

REPORT TO CITY COUNCIL

DATE: AUGUST 23, 2017
TO: HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL
FROM: GREG RAMIREZ, CITY MANAGER 
BY: RAMIRO ADEVA, PUBLIC WORKS DIRECTOR/CITY ENGINEER 
SUBJECT: DISCUSS 75% ENGINEERING PLANS AND PEDESTRIAN BRIDGE CONCEPT FOR THE KANAN/AGOURA ROAD ULTIMATE INTERSECTION IMPROVEMENTS PROJECT

The intersection of Kanan Road and Agoura Road carries so much importance in relation to the safe and orderly development of the Agoura Village Specific Plan (AVSP) area. The existing and proposed land uses approved by the City Council (Council) as part of the AVSP are the driving force behind the design of the ultimate intersection improvements. With the steady increase in activity by developers looking to deliver the Council's vision as outlined in the AVSP, it is imperative that this intersection be designed with adequate capacity, careful attention to aesthetic enhancements, and focus on safety details in order to ensure long-term success of Agoura Village.

On July 12, 2017, staff presented the draft aesthetic plans for the Kanan/Agoura Road Ultimate Intersection Improvements Project (Project) to the Council. The presentation of the draft plans was a proactive effort by staff to ensure the intersection design was progressing in a direction consistent with the Council's vision for public improvements within the Agoura Village area. As discussed at the meeting, reaching a final draft set of plans will be a multiple-step process. Feedback on the aesthetic plan received at the July meeting was step one, while consideration of the engineering plans and pedestrian connectivity concerns was step two. Following the conclusion of both steps, staff will incorporate feedback and direction into a final set of engineering plans that will be presented to the Council again in November 2017.

Step two consists of the following specific discussion items:

1. Engineering details and operations, and
2. Pedestrian connectivity.

The 75% design plans are attached for reference. As you may recall, the Council voted to eliminate the roundabout concept originally outlined in the Agoura Village Specific Plan, and replaced it with a standard signalized intersection that would achieve the same Level of Service (LOS) as the roundabout. Following data collection and detailed analysis, the 75% plan set lays out the geometrics, roadway alignment, and lane configuration necessary to achieve acceptable and safe levels of operation of the ultimate intersection.

In June 2016, various Council Members also discussed the desire to consider the impacts of a pedestrian bridge that would span across Kanan Road, south of Agoura Road. This option creates challenges related to right-of-way, view, lighting, etc. Additionally, specific attention was placed on the aesthetic details of the intersection, in order to create a visual appeal that helps to encourage users to walk within Agoura Village. Concurrently, discussions have been ongoing with adjacent developments to the intersection, both existing and proposed, to collaboratively create inviting corners to further promote the idea that users can simply walk from one place to another, without needing to drive.

Based on the feedback and direction staff receives on the 75% engineering plans and pedestrian connectivity, the tentative schedule to finalize the project plans would be as follows:

1. November 8, 2017: Seek Council approval of the 95% plan set, which would include revisions incorporating Council feedback/direction on the aesthetics, detailed engineering, and pedestrian connectivity discussion.
2. November 2017 through 1st Quarter of 2018: Finalize Plans, Specifications, and Estimates (PS&E), and complete environmental document.
3. March 2018: Seek Council approval of the Final Plans, Specifications, and Estimates (PS&E) package and environmental document.

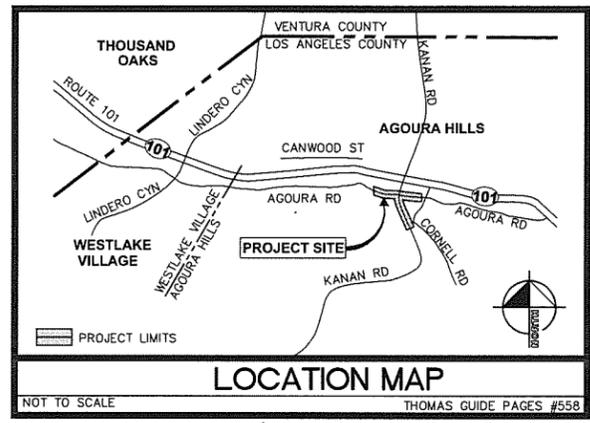
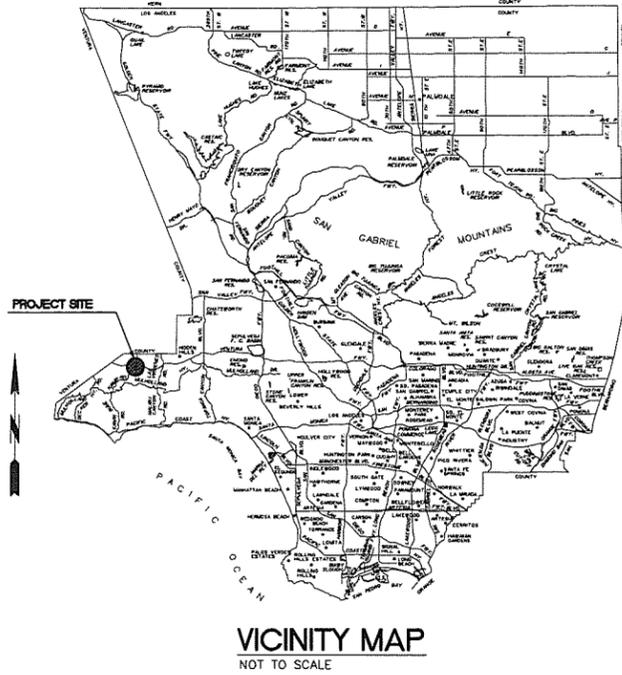
RECOMMENDATION

Staff respectfully recommends the City Council provide direction and feedback on the 75% design plan set and pedestrian bridge concept in order for staff to finalize plans and complete the environmental document.

Attachment: 75% Design Plans for the Kanan/Agoura Ultimate Intersection Improvements Project

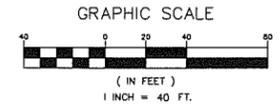
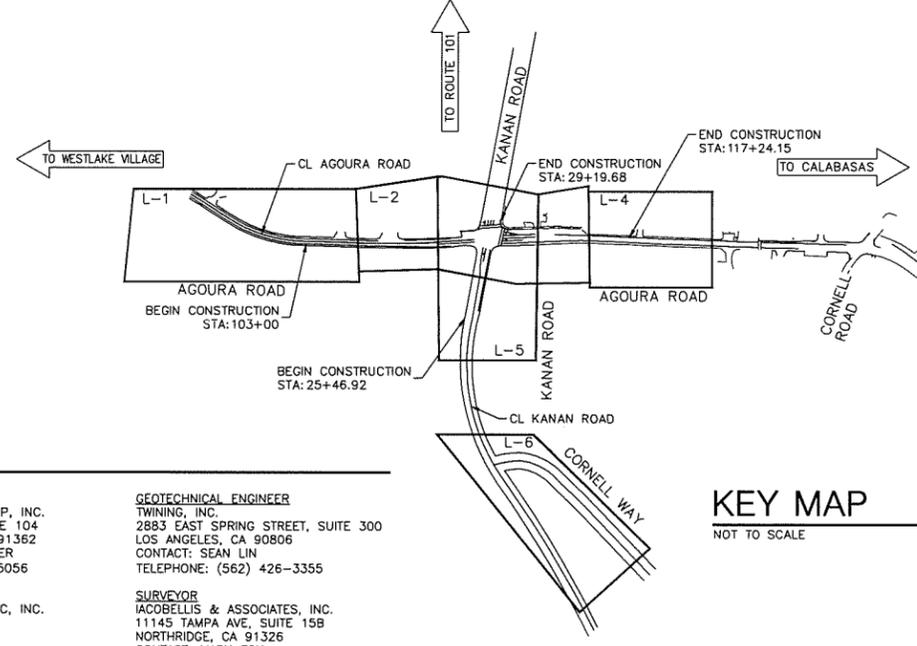
CITY OF AGOURA HILLS KANAN ROAD/ AGOURA ROAD ULTIMATE INTERSECTION IMPROVEMENTS NIB - XX-XX

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ABBREVIATIONS LIST

AB	AGGREGATE BASE	N	NORTH
AC	ASPHALT CONCRETE	NO	NUMBER
AG	AGOURA ROAD CENTERLINE	NTS	NOT TO SCALE
AP	ANGLE POINT	N/M	NORTH MEDIAN
ARHM	ASPHALT RUBBER HOT MIX	N/S	NORTH SIDE
BEG	BEGIN	OG	ORIGINAL GRADE
BW	BACK OF WALK	OHE	OVERHEAD ELECTRICAL
BC	BEGINNING OF CURVE	PC	POINT OF CURVE
BCR	BEGINNING OF REVERSE CURVE	PCC	PORTLAND CEMENT CONCRETE
CATV (CTV)	CABLE TV	PG	PROFILE GRADE
CL	CENTER LINE	PI	POINT OF TANGENT INTERSECTIONS
C/G	CURB AND GUTTER	PL	PROPERTY LINE
CIP	CAST IN PLACE	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PR	PROPOSED
CONC	CONCRETE	PRC	POINT OF REVERSE CURVATURE
CR/L	CROWN LINE	PT	POINT OF TANGENT OR POINT
DPW	DEPARTMENT OF PUBLIC WORKS	PVC	POLYVINYL CHLORIDE
DWG	DRAWING	PVMT	PAVEMENT
DWY	DRIVEWAY	PWFB	PUBLIC WORKS FIELD BOOK
E	ELECTRIC/EAST	R	RADIUS
E/S	EAST SIDE	ROW (R/W)	RIGHT OF WAY
EC	END OF CURVE	RT (Rt)	RIGHT
ECR	END OF REVERSE CURVE	RW	RECLAIMED WATER
EG	EXISTING GROUND	S	SOUTH
ELEV	ELEVATION	S/S	SOUTH SIDE
EMH	ELECTRIC MANHOLE	S/M	SOUTH MEDIAN
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EX. (E) (EX)	EXISTING	SDMH	STORM DRAIN MANHOLE
FG	FINISHED GRADE	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
FL	FLOW LINE	SS	SANITARY SEWER
FS	FINISHED SURFACE	STA	STATION
FW	FIRE WATER	STD	STANDARD
G	GAS	SW	SIDEWALK
GA	GUY ANCHOR	T	TELEPHONE
GP	GUY POLE	TRAN	TRANSITION
GP	GUARD POST	TC (TOC)	TOP OF CURB
GV	GAS VALVE	TEPM	TEMPORARY
GL	GUTTER LIP	TC	TOP OF GRATE
HMA	HOT MIXED ASPHALT	TMH	TELEPHONE MANHOLE
HP	HINGE POINT	TW	TOP OF WALL
HOR	HORIZONTAL	TYP (TYP)	TYPICAL
ID	IDENTIFICATION	UNO	UNLESS NOTED OTHERWISE
L	LENGTH	UTB	UTILITY BOX
LT (Lt)	LEFT	UTV	UTILITY VAULT/VALVE
LACO	LOS ANGELES COUNTY	VERT	VERTICAL
MAX	MAXIMUM	W	WEST
MBGR	METAL BEAM GUARDRAIL	W/S	WEST SIDE
MH	MANHOLE	W (WT)	WATER
MIN	MINIMUM	WV	WATER VALVE



PROJECT TEAM

CITY OF AGOURA HILLS DEPARTMENT OF PUBLIC WORKS 30001 LADYFACE COURT AGOURA HILLS, CA 91301 CONTACT: CHARMINE YAMBAO TELEPHONE: (818) 597-7360	LANDSCAPE ARCHITECT L. NEWMAN DESIGN GROUP, INC. 31300 VIA COLINAS, SUITE 104 WESTLAKE VILLAGE, CA 91362 CONTACT: BOB BOMBARDIER TELEPHONE: (818) 991-5056	GEOTECHNICAL ENGINEER TWINING, INC. 2883 EAST SPRING STREET, SUITE 300 LOS ANGELES, CA 90806 CONTACT: SEAN LIN TELEPHONE: (562) 426-3355
CIVIL ENGINEER KIMLEY-HORN AND ASSOCIATES, INC. 660 South Figueroa St., Suite 2050 LOS ANGELES, CA 90017 CONTACT: SRIKANTH CHAKRAVARTHY TELEPHONE: (213) 261-4040	ENVIRONMENTAL RINCON CONSULTANTS, INC. 180 NORTH ASHWOOD VENTURA, CA 93003 CONTACT: JOE POWER TELEPHONE: (805) 644-4455	SURVEYOR IACOBELLIS & ASSOCIATES, INC. 11145 TAMPA AVE, SUITE 158 NORTHridge, CA 91326 CONTACT: MARK FOX TELEPHONE: (818) 366-9222



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PREPARED BY:

Kimley»Horn

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660 South Figueroa Street, Suite 2050, Los Angeles, CA 90017
Tel (213) 261-4040

CARLIE CAMPUZANO R.C.E. C85217 DATE



REVIEWED BY:

CHARMAINE YAMBAO	8/4/15
ASSOCIATE CIVIL ENGINEER	DATE

APPROVED BY:

RAMIRO ADEVA	8/4/15
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	DATE



KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS
Title Sheet

DESIGNED BY: CC
DRAWN BY: RP
CHECKED BY: SC

KHA_JOB NUMBER: 099083026

SHEET 1 OF 43

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GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2015 EDITION, THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPWC 2012), AND CITY OF AGOURA HILLS STANDARD PLANS. IN THE EVENT OF A CONFLICT BETWEEN THESE DOCUMENTS THE MOST STRINGENT REQUIREMENTS SHALL PREVAIL.
2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING IMPROVEMENTS INTERFERING WITH THE PROPOSED WORK. WHETHER OR NOT SHOWN ON THE PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS. NO IMPROVEMENTS ARE TO BE REMOVED IN THE PUBLIC RIGHT-OF-WAY UNLESS APPROVED BY THE CITY.
3. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
4. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE PLANS AND THE SITE CONDITIONS PRIOR TO COMMENCING WORK. IF CONDITIONS DIFFER FROM THOSE SHOWN IN THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
5. WHEN JOINING EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SAW-CUT EXISTING SIDEWALK AND/OR CURB AND GUTTER AT THE NEAREST SCORELINE.
6. THE CONTRACTOR SHALL SAW-CUT ALL CONCRETE AND/OR ASPHALT PAVEMENT PRIOR TO EXCAVATION, AND AT THE NEAREST SCORE LINES WHERE APPROPRIATE.
7. THE CONTRACTOR SHALL REPLACE ALL IMPROVEMENTS TO MATCH EXISTING THAT ARE DAMAGED OR REMOVED DURING CONSTRUCTION OPERATIONS.
8. SHOULD CONFLICTING INFORMATION BE FOUND ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK IN QUESTION.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A STORAGE AREA TO STOCKPILE MATERIAL, PARK EQUIPMENT AND STORE SURPLUS MATERIAL AT THE END OF EACH DAY. LOCATION USED AS A STORAGE AREA SHALL BE PER CITY CODE, AND APPROVED BY THE CITY PRIOR TO COMMENCING ANY WORK. NO STORAGE OF PIPE, MATERIAL OR EQUIPMENT SHALL BE PERMITTED WITHIN THE STREET RIGHT OF WAY.
10. THREE WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT 811.
11. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND LICENSES BEFORE COMMENCING WORK.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE TO ANY EXISTING UTILITY DURING EXCAVATION AT CONTRACTOR'S COST, WHETHER THE EXISTING UTILITY IS SHOWN OR NOT SHOWN ON THE PLAN.
13. CONTRACTOR SHALL REPLACE AT CONTRACTOR'S COST, ALL TRAFFIC STRIPING AND MARKING ON THE STREET AFFECTED BY THE CONSTRUCTION.
14. ALL LAWN, SPRINKLER LINES, SPRINKLER HEAD AND APPURTENANCES, SHRUBS, GRASS, PLANTS AND GROUND COVERS THAT HAVE BEEN DAMAGED OR DISTURBED DURING CONSTRUCTION, SHALL BE REPLANTED AND/OR REPLACED TO MATCH EXISTING BY CONTRACTOR AT CONTRACTOR'S COST, AND THE WORK SITE SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
15. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CITY'S TRAFFIC ENGINEER PRIOR TO BEGINNING OF ANY WORK IN THE PUBLIC RIGHT-OF-WAY.
16. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS TO THE CITY ENGINEER IMMEDIATELY UPON COMPLETION OF THE WORK.
17. THE CONTRACTOR SHALL DEMONSTRATE WITH THE FLOW OF WATER FROM A WATER TRUCK OR HOSE THAT THE STREET AND GUTTER DRAIN SATISFACTORILY BEFORE THE CITY WILL ACCEPT THE WORK AS COMPLETE.
18. THE CONTRACTOR SHALL BE AWARE OF OVERHEAD LINES AT ALL TIMES.
19. STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON PLANS.
20. THE CONTRACTOR SHALL OBTAIN AN O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE START OF CONSTRUCTION OF TRENCHES OR EXCAVATIONS FIVE FEET OR DEEPER.
21. SHORING DESIGN, PLAN AND PERMITTING REQUIRED FOR EXCAVATIONS WILL BE PROVIDED BY CONTRACTOR.
22. DIMENSIONS TO PIPE LINES ARE TO CENTERLINE, U.N.O.
23. CONTRACTOR TO COORDINATE WITH THE CITY TO PROVIDE NOTICES TO RESIDENTS AND BUSINESSES AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO START OF CONSTRUCTION OR AS DIRECTED BY THE CITY.
24. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, SITE AND SOIL CONDITIONS BEFORE COMMENCING WORK AND SHALL REPORT DISCREPANCIES OR CONFLICTS TO THE ENGINEER.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RUBBISH AND DEBRIS RESULTING FROM THE WORK AND SHALL REMOVE IT FROM THE SITE AND DISPOSE OF IT PROPERLY.
26. THE CONTRACTOR SHALL ADJUST WATER VALVE BOXES, STORM DRAIN AND SEWER MANHOLES, VAULTS, METER BOXES, AND TRAFFIC SIGNAL AND STREET LIGHT PULL BOXES TO CONFORM TO FINISHED GRADES AS CONSTRUCTED WHETHER INDICATED ON THE PLANS OR NOT, AND SHALL BE APPROVED BY THE CITY ENGINEER OR HIS/HER REPRESENTATIVE.
27. STORM DRAIN MANHOLES SHALL BE ADJUSTED TO GRADE PER LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD DWG NO. 3029-0 (SPWC 324-2).
28. CONSTRUCTION SURVEYING IS THE RESPONSIBILITY OF THE CONTRACTOR. SURVEYOR FOR THE CONTRACTOR SHALL BE A LICENSED SURVEYOR IN THE STATE OF CALIFORNIA.
29. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH UTILITY OWNERS BEFORE START OF WORK, AND THROUGHOUT CONSTRUCTION.
30. THE EXACT LOCATIONS OF UTILITIES HAVE NOT BEEN INDICATED ON THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND FACILITIES PRIOR TO DOING ANY WORK THAT MAY DAMAGE SUCH FACILITIES, OR IMPACT OR INTERFERE WITH THEIR SERVICE.
31. CONTRACTOR TO MAINTAIN ACCESS TO EXISTING DRIVEWAYS AT ALL TIMES.
32. SAWING OF JOINTS SHALL BEGIN AS SOON AS THE CONCRETE HAS SUFFICIENTLY HARDENED TO PERMIT SAWING WITHOUT RAVELING, BUT NOT EXCEEDING SIX (6) HOURS AFTER PLACEMENT OF CONCRETE.
33. P.C.C. TRENCH BACKFILL SAND CEMENT SLURRY NEEDS NOT TO BE COMPACTED. HOWEVER, IF SOIL-CEMENT MATERIALS ARE USED, THEN SOILS MUST BE COMPACTED TO 90% OF THE MAX. DENSITY OBTAINABLE BY ASTM D-1557.
34. CONTRACTOR SHALL SCHEDULE THE CONSTRUCTION OF THIS PROJECT AS DIRECTED IN THE SPECIFICATIONS.
35. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW AT ALL TIMES AS DIRECTED IN THE SPECIAL PROVISIONS.
36. THE CONTRACTOR SHALL NOTIFY CITY OF AGOURA HILLS AND MTA BUS LINES OF ANY STREET CLOSURES THREE WORKING DAYS PRIOR TO BEGINNING ANY WORK.
37. ALL IMPORTED SOIL USED FOR BACKFILL SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
38. CONTRACTOR AGREES THAT THEY 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, AND THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER AND CITY FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR ENGINEER.

GENERAL NOTES (SIGNING AND STRIPING ONLY)

1. ALL SIGNING AND STRIPING SHALL BE ACCORDING TO THE 2015 EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS AND THE LATEST EDITION OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD). ALL SIGNING AND STRIPING SHALL BE NEW INSTALLATIONS EXCEPT AS OTHERWISE NOTED.
2. ALL CONFLICTING SIGNING OR STRIPING SHALL BE REMOVED. LINES AND PAVEMENT MARKINGS SHALL BE REMOVED BY SANDBLASTING OR GRINDING. PAVEMENT DAMAGED DUE TO REMOVING RAISED PAVEMENT MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER.
3. ALL LANE LINES AT INTERSECTION APPROACHES SHALL BEGIN AND END WITH 50' OF SOLID WHITE.
4. ALL ARROWS SHALL BE THERMOPLASTIC TYPE IV (L OR R), UNLESS OTHERWISE INDICATED.
5. LANE WIDTHS SHALL BE MEASURED BETWEEN THE CENTER LINES OF EACH ADJACENT SINGLE OR DOUBLE STRIPE OR FACE OF CURB AS APPROPRIATE.
6. STRIPING SHALL BE MARKED-OUT (CAT-TRACKED) AND APPROVED BY THE CITY ENGINEER PRIOR TO FINAL INSTALLATION. CONTRACTOR SHALL WAIT ONE WEEK PRIOR TO FINAL STRIPING INSTALLATION.
7. PROPOSED LANE LINES SHALL MATCH EXISTING LANE LINES AT LIMITS OF CONSTRUCTION, UNLESS OTHERWISE INDICATED.
8. SIGN POSTS SHALL BE "UNISTRUT" 2" SQUARE GALVANIZED STEEL POSTS WITH BREAKAWAY ANCHOR SLEEVE, OR APPROVED EQUAL.
9. ALL STRIPING INCLUDING BICYCLE LANE LEGENDS SHALL BE 2-COAT PAINT EXCEPT AS NOTED HEREON. PAVEMENT LEGENDS, MARKINGS, AND STRIPING WITHIN 200 FEET OF ALL INTERSECTIONS SHALL BE THERMOPLASTIC.

GENERAL NOTES (ELECTRICAL ONLY)

1. ALL NEW STREET LIGHT INSTALLATIONS SHALL MAINTAIN 30' MINIMUM VERTICAL CLEARANCE FROM THE BOTTOM OF THE LIGHT FIXTURE TO THE FINISHED SURFACE OF THE ROADWAY.
2. ALL CONDUIT SHALL BE PLACED BEHIND CURB EXCEPT AT INTERSECTIONS.
3. ALL INSTALLATION SHALL CONFORM TO THE GENERAL NOTES IN THE CITY OF AGOURA HILLS STANDARD PLANS.

GENERAL NOTES (OAK TREES)

1. SEVERAL OAK TREES WILL BE TRANSPLANTED TO THE NEW LOCATION NEAR THE INTERSECTION OF KANAN ROAD AND CORNELL ROAD. AN ARBORIST SHALL SUPERVISE THE OAK TREES TRANSPLANT OPERATIONS. THE HOLES CREATED BY THE REMOVAL OF TREES SHOULD BE BACKFILLED WITH COMPACTED FILL. THE HOLES SHOULD BE INSPECTED BY A GEOTECHNICAL ENGINEER TO ENSURE ALL THE LOOSE MATERIALS ARE REMOVED PRIOR TO PLACEMENT OF BACKFILL. AS AN ALTERNATIVE, CONTROLLED-LOW-STRENGTH-MATERIAL (CLSM) MAY BE USED TO BACKFILL HOLES DEEPER THAN 3 FEET. IN SUCH CASE, WE RECOMMEND THE HOLE BE BACKFILLED WITH CLSM CONSISTING OF 2-SACK CEMENT SLURRY UP TO 2 FEET BELOW THE PROPOSED SUBGRADE, AND THEN CAPPED WITH COMPACTED FILL TO THE SUBGRADE ELEVATION.
2. BASED ON OUR FIELD OBSERVATIONS, A DESCENDING SLOPE IS LOCATED AT THE WEST SIDE OF THE PROPOSED TRANSPLANT LOCATION ON THE WEST SHOULDER OF KANAN ROAD. WE RECOMMEND A MINIMUM 3 FEET SETBACK DISTANCE FROM THE DRIP LINE OF TREES TO THE TOP OF THE SLOPE BE PROVIDED. AN ARBORIST SHOULD BE RETAINED TO EVALUATE THE SITE TOPOGRAPHICAL AND HORTICULTURAL SOIL CONDITIONS AS WELL AS SUPERVISE THE TRANSPLANT OPERATIONS.

GRADING AND GEOTECHNICAL SPECIFICATIONS

1. ALL GRADING SHALL BE DONE UNDER THE OBSERVATION AND TESTING BY A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND, IF REQUIRED, BOTH A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND AN ENGINEERING GEOLOGIST. ALL GRADING MUST BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY ORDINANCE AND THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS REPORT OR GEOLOGICAL/GEOTECHNICAL INVESTIGATION PREPARED BY KLEINFELDER WEST, INC. DATED MAY 26, 2011, AND THE GEOTECHNICAL RECOMMENDATION PREPARED BY TWINING, INC. DATED APRIL 4, 2016.
2. IF THE GEOTECHNICAL CONSULTANT OF RECORD IS CHANGED FOR THE PROJECT, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT HAS AGREED IN WRITING TO ACCEPT THE RESPONSIBILITY WITHIN THE AREA OF THEIR TECHNICAL COMPETENCE FOR APPROVAL UPON COMPLETION OF THE WORK. IT SHALL BE THE DUTY OF THE PERMITTEE TO NOTIFY THE CITY IN WRITING OF SUCH CHANGE PRIOR TO THE RECOMMENCEMENT OF GRADING.
3. THESE PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS CONTAINED IN THE REFERENCED GEOTECHNICAL REPORT(S) PREPARED FOR THIS PROJECT.

GEOTECHNICAL ENGINEER/GEOLOGIST	REGISTRATION NO.	DATE
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NOTE: THIS LIST IS FOR GENERAL INFORMATION PURPOSE ONLY. CONTRACTOR SHALL BE RESPONSIBLE IN CONTACTING ALL UTILITY AGENCIES AFFECTED BY THE PROJECT WHETHER SHOWN HERE OR NOT. CONTACTS AND NUMBERS SHOWN BELOW MAY NOT BE CURRENT.

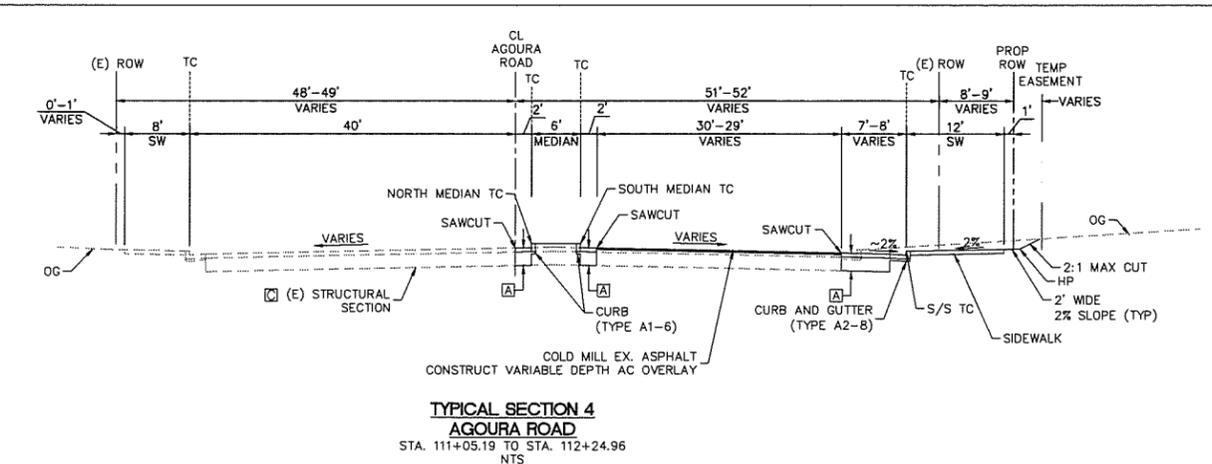
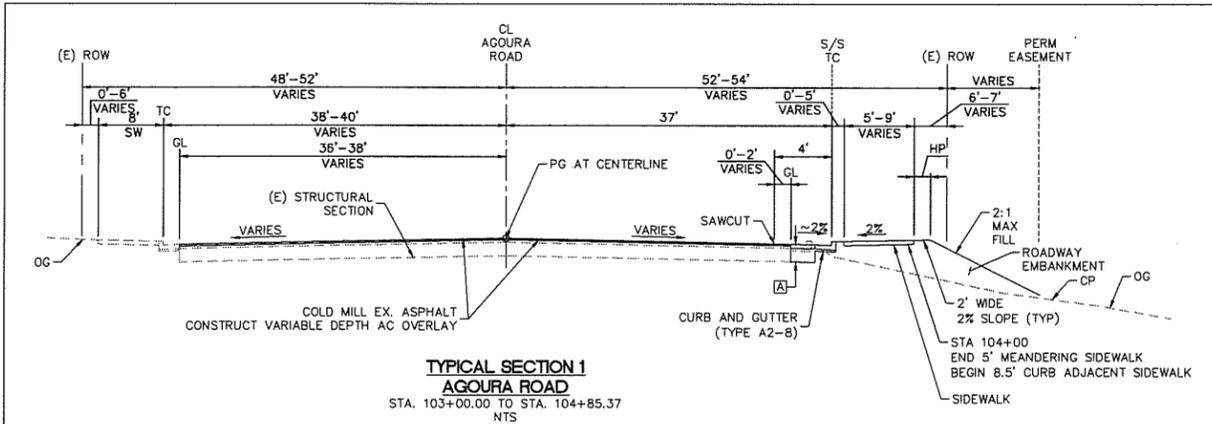
UTILITY CONTACTS

UTILITY	PHONE NUMBER
AT&T (TOM KEMMERLING).....	(818) 536-4135
AT&T (MICHAEL OSBORN).....	(818) 374-6411
AT&T (JODI RIEHL).....	(805) 583-6500
AT&T MOBILITY (FORMERLY CINGULAR) (JOHN CROSSE).....	(818) 923-9298
LA COUNTY TRAFFIC & LIGHTING.....	(626) 300-4700
LA COUNTY WATER RESOURCES.....	(626) 458-6100
LAS VIRGENES MUNICIPAL WATER DISTRICT (ERIC SCHLAGETER).....	(818) 251-5159
LAS VIRGENES MUNICIPAL WATER DISTRICT (JEFF GUSMEROLI).....	(818) 251-2159
LOS ANGELES COUNTY ROAD DEPARTMENT (GEORGE ELLIS).....	(626) 458-1700
SOUTHERN CALIFORNIA EDISON (KIMBERLIE GURULE).....	(714) 796-9932
SOUTHERN CA GAS COMPANY (CHRIS MALLORY).....	(818) 725-1159
SOUTHERN CA GAS COMPANY (SALVADOR MIRANDA).....	(818) 457-8486
TIME WARNER CABLE (RICARDO ZAMBRANA).....	(805) 477-4443
VERIZON WIRELESS (REID BIGGS).....	(818) 898-2352
VERIZON (STEVEN SWINNEY).....	()
VERIZON BUSINESS (FORMERLY MCI WORLDCOM) (CHUCK CZUMAK).....	(941) 906-6703
VERIZON WIRELESS (PHILLIP OLIVAS).....	(818) 522-4979
UNDERGROUND SERVICE ALERT.....	811

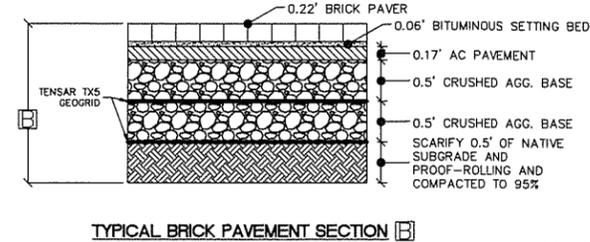
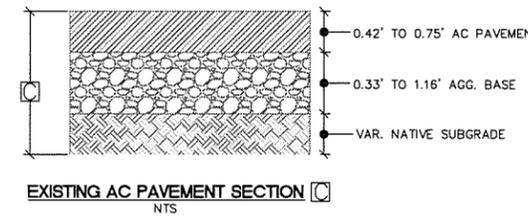
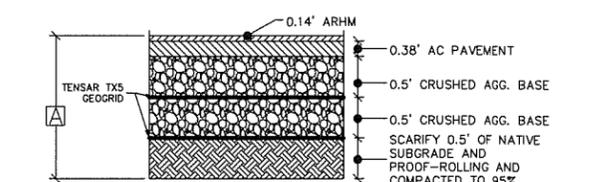
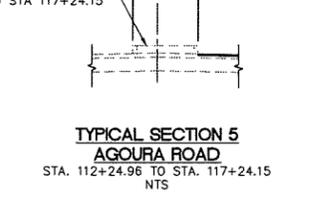
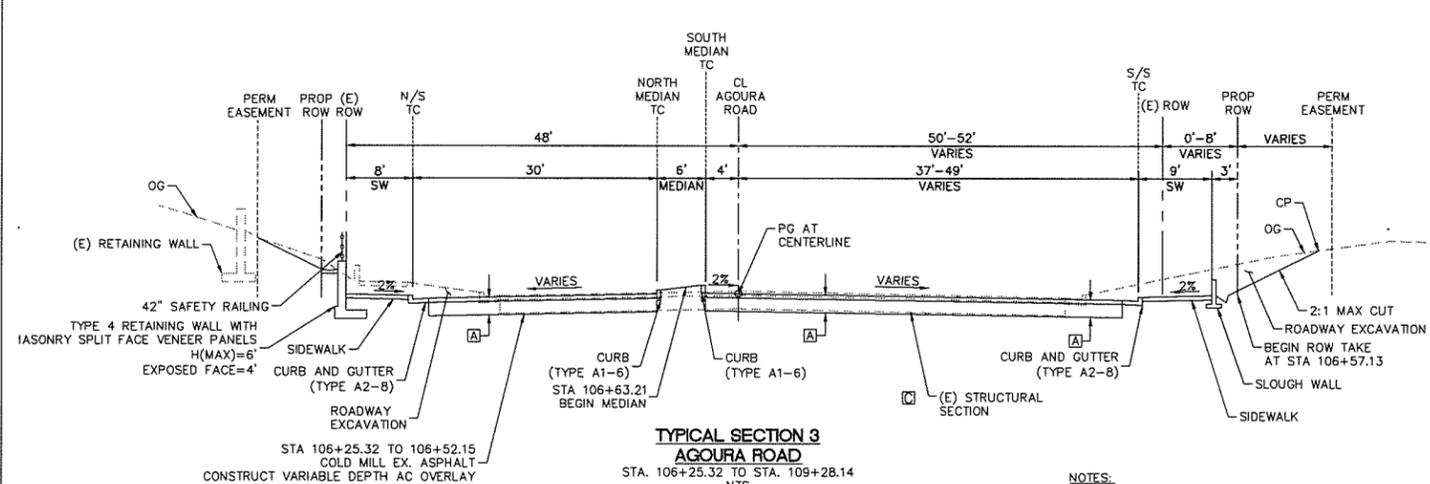
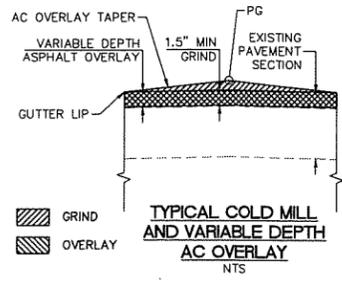
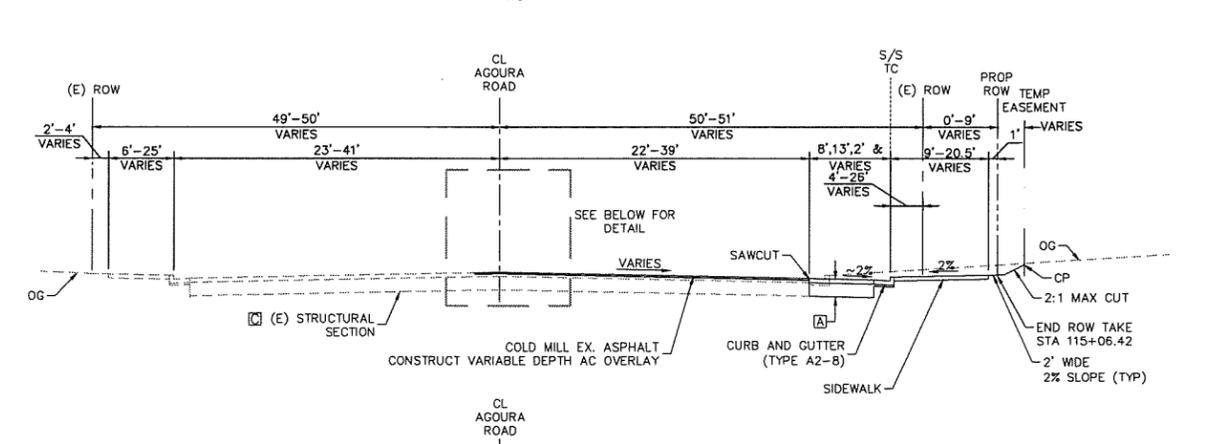
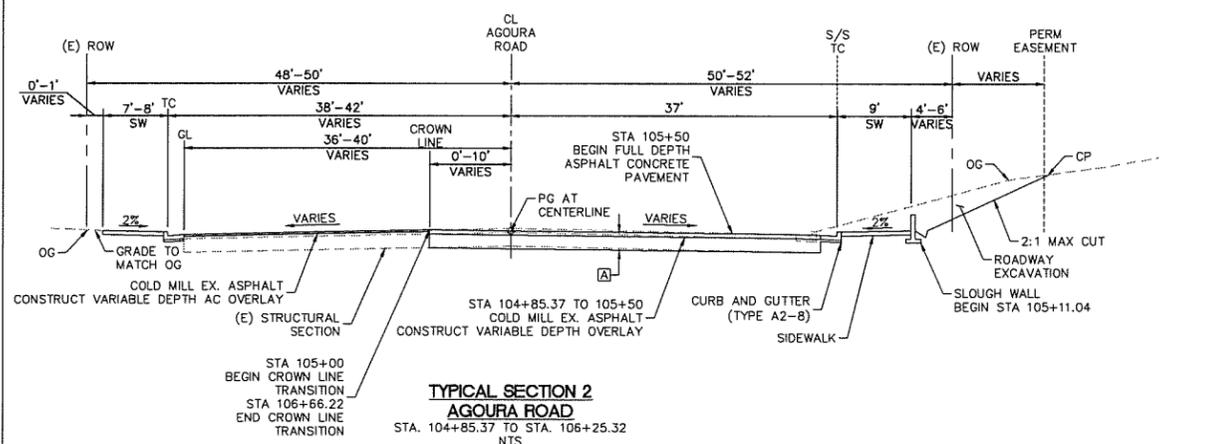


					PREPARED BY: © 2017 KIMLEY-HORN AND ASSOCIATES, INC. 880 South Figueroa Street, Suite 2050, Los Angeles, CA 90017 Tel (213) 261-4040				REVIEWED BY: CHARMINE YAMBAO DATE ASSOCIATE CIVIL ENGINEER				KANAN ROAD/AGOURA ROAD ULTIMATE INTERSECTION IMPROVEMENTS GENERAL NOTES			
							APPROVED BY: RAMIRO ADEVA DATE DIRECTOR OF PUBLIC WORKS/CITY ENGINEER		DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026							
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE	NICOLE DIAS R.C.E. C85490 DATE											

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- NOTES:**
- SEE SIGNING AND STRIPING SHEET FOR LANE TRANSITIONS.
 - DIMENSIONS OF STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE SPECIFICATIONS.
 - SUBGRADE SLOPE TO BE THE SAME AS THE TYPICAL SURFACE SLOPE UNLESS OTHERWISE SHOWN OR NOTED.
 - PAVEMENT SECTION WAS OBTAINED FROM THE GEOTECHNICAL REPORT BY TWINING ON 04/04/2016.
 - TRAFFIC INDEX IS 9.5.
 - FOR EXACT LENGTH OF PAVEMENT, CURB, GUTTER, SIDEWALK, DRIVEWAY, RETAINING WALLS SEE PLANS.



- NOTES:**
- STA 109+23.13 END RETAINING WALL
 - STA 109+80.36 END MEDIAN
 - STA 109+81.23 TO STA 111+05.19 CONSTRUCT DECORATIVE PAVEMENT (INTERSECTION)

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

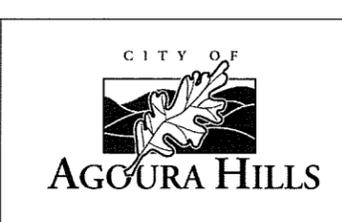
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Tel (213) 261-4040

PREPARED BY:
NICOLE DIAS R.C.E. CB6490 DATE



REVIEWED BY:
CHARMAINE YAMBAO ASSOCIATE CIVIL ENGINEER DATE

APPROVED BY:
RAMIRO ADEVA DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE



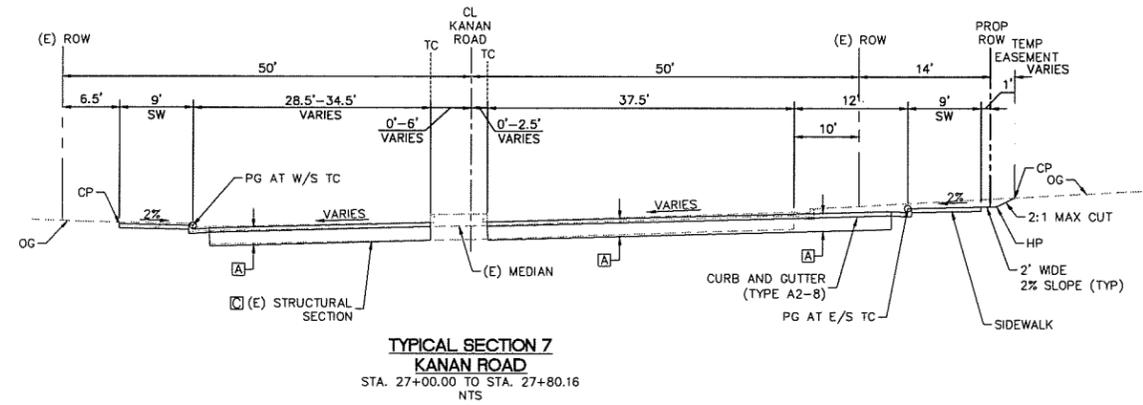
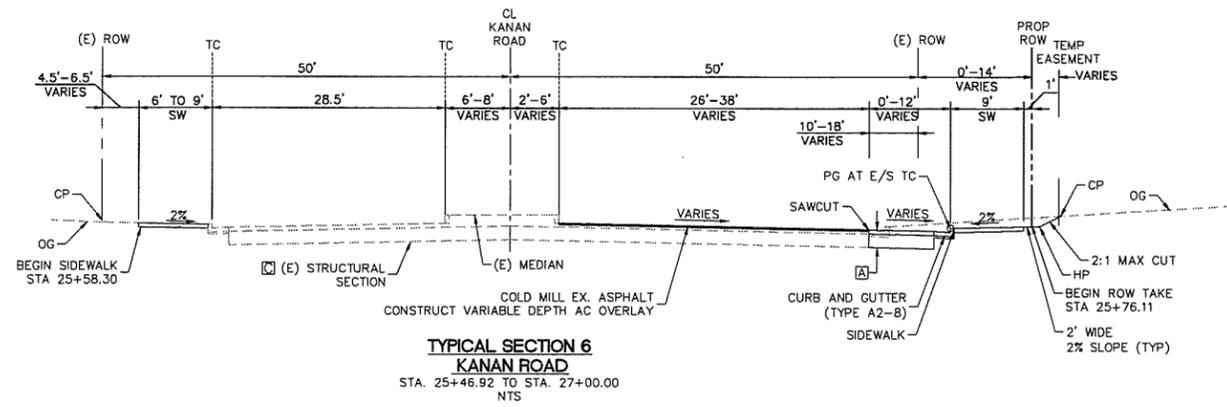
KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

TYPICAL SECTIONS

DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

SHEET 3 OF 43

NOTES:
 1. SEE TYPICAL SECTIONS X-1 FOR ADDITIONAL INFORMATION.

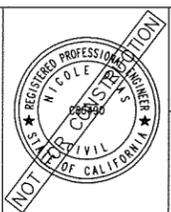


X-2

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

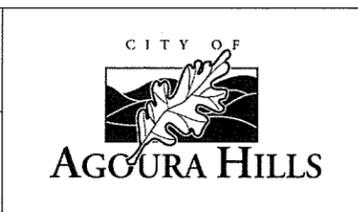
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NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:
 CHARMINE YAMBABO DATE
 ASSOCIATE CIVIL ENGINEER

APPROVED BY:
 RAMIRO ADEVA DATE
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



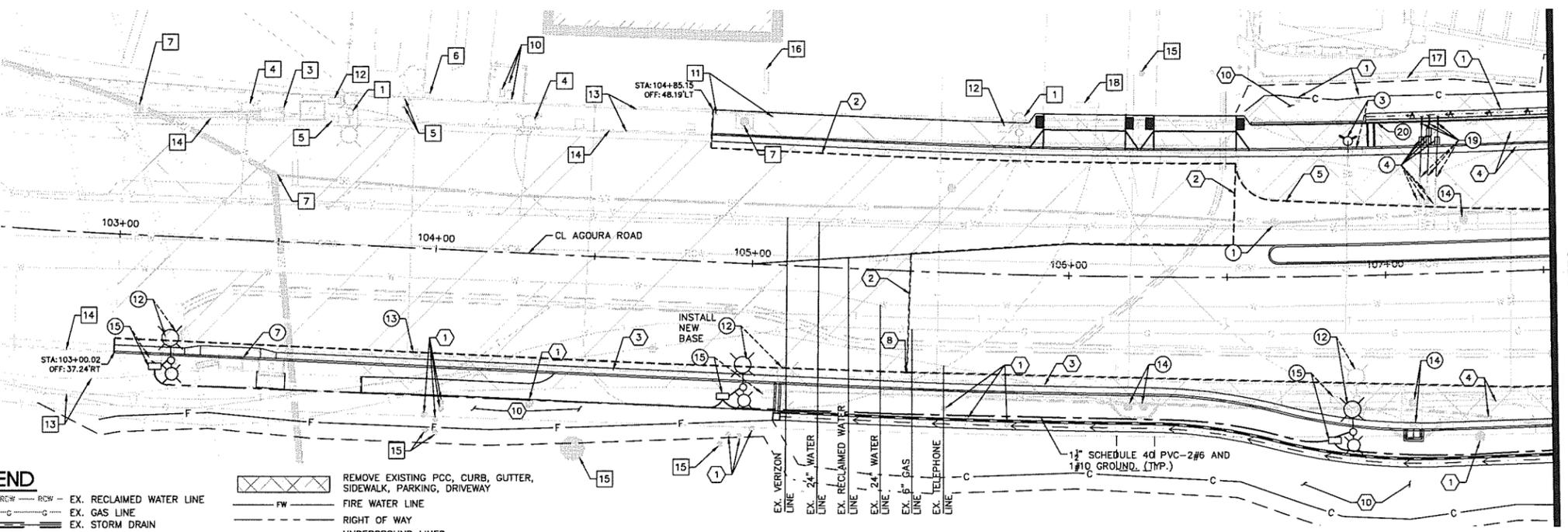
KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS

TYPICAL SECTIONS

DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

SHEET 4 OF 43

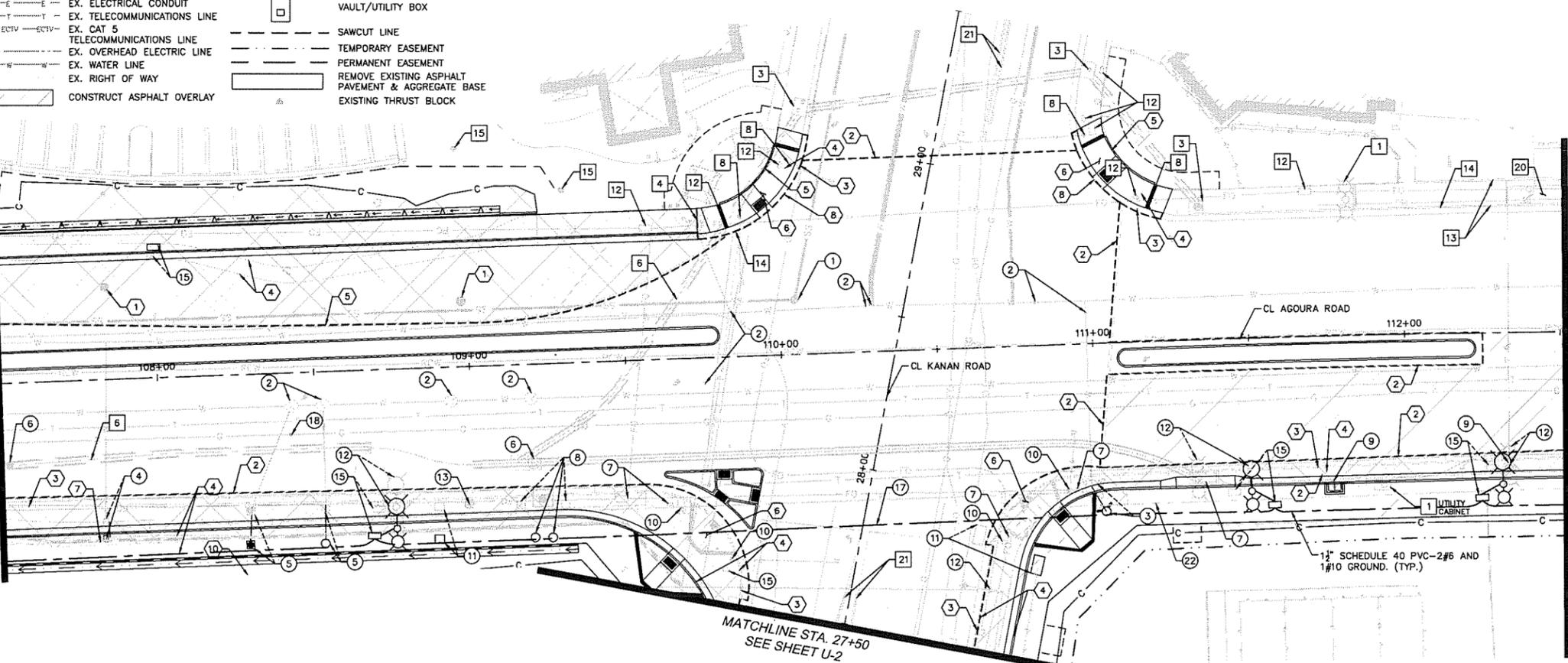
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MATCHLINE STA. 107+50
SEE BELOW

LEGEND

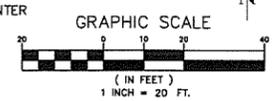
— RCW — RCW — RCW —	EX. RECLAIMED WATER LINE		REMOVE EXISTING PCC, CURB, GUTTER, SIDEWALK, PARKING, DRIVEWAY
— G — G — G —	EX. GAS LINE	— FW —	FIRE WATER LINE
— SD — SD — SD —	EX. STORM DRAIN	— RW —	RIGHT OF WAY
— SS — SS — SS —	EX. SANITARY SEWER LINE	— UL —	UNDERGROUND LINES
— E — E — E —	EX. ELECTRICAL CONDUIT		VAULT/UTILITY BOX
— T — T — T —	EX. TELECOMMUNICATIONS LINE	— SL —	SAWCUT LINE
— ECTV — ECTV — ECTV —	EX. CAT 5 TELECOMMUNICATIONS LINE	— TE —	TEMPORARY EASEMENT
— OE — OE — OE —	EX. OVERHEAD ELECTRIC LINE	— PE —	PERMANENT EASEMENT
— W — W — W —	EX. WATER LINE		REMOVE EXISTING ASPHALT PAVEMENT & AGGREGATE BASE
— RW — RW — RW —	EX. RIGHT OF WAY		EXISTING THRUST BLOCK
	CONSTRUCT ASPHALT OVERLAY		



MATCHLINE STA. 107+50
SEE ABOVE

MATCHLINE STA. 112+50
SEE SHEET U-2

- NOTES**
- PROTECT-IN-PLACE**
- | | |
|-------------------------------|-----------------------|
| 1 EX. STREET LIGHT AND POLE | 13 EX. SIDEWALK |
| 2 EX. UTILITY BOX | 14 EX. CURB & GUTTER |
| 3 EX. STORM DRAIN CATCH BASIN | 15 EX. TREE(S) |
| 4 EX. FIRE HYDRANT | 16 EX. SIGN |
| 5 EX. UTILITY VALVE | 17 EX. RETAINING WALL |
| 6 EX. STORM DRAIN | 18 EX. TRENCH DRAIN |
| 7 EX. MANHOLE | 19 EX. CURB RAMP |
| 8 EX. TRAFFIC SIGNAL AND POLE | 20 EX. DRIVEWAY |
| 9 EX. POWER POLE | 21 EX. MEDIAN |
| 10 EX. WATER METER | 22 EX. CROSS GUTTER |
| 11 EX. VENT | 23 EX. TRANSFORMER |
| 12 EX. PULL BOX | |
- DEMOLITION**
- 1 REMOVE AND RELOCATE EX. TREE(S) (SEE PLAN FOR SIZE AND TYPE)
 - 2 SAWCUT EX. PAVEMENT
 - 3 REMOVE EX. CURB & GUTTER
 - 4 REMOVE EX. SIDEWALK
 - 5 REMOVE EX. AC CURB
 - 6 REMOVE EX. CURB RAMP
 - 7 REMOVE EX. SLOUGH WALL
 - 8 SAWCUT EX. PAVEMENT ALONG EX. LIP OF GUTTER
 - 9 REMOVE EX. STONE BOLLARD
 - 10 CLEAR AND GRUB, EXCAVATION AND/OR EMBANKMENT
- UTILITY CONSTRUCTION/RELOCATION**
- 1 ADJUST EX. SEWER MANHOLE TO GRADE
 - 2 ADJUST EX. VALVE TO GRADE/AIR VAC.
 - 3 RELOCATE EX. FIRE HYDRANT
 - 4 RELOCATE EX. WATER METER ASSEMBLY.
 - 5 RELOCATE EX. AIR VAC/BLOW OFF ASSEMBLY
 - 6 ADJUST EX. STORM DRAIN MANHOLE TO GRADE.
 - 7 REMOVE CATCH BASIN/INLET PER STORM DRAIN PLANS.
 - 8 RELOCATE EXISTING ELECTRICAL VAULT VENTS.
 - 9 ADJUST EX. TELEPHONE MANHOLE TO GRADE.
 - 10 RELOCATE TRAFFIC SIGNAL SEE TRAFFIC SIGNAL PLANS.
 - 11 RELOCATE EX. UTILITY BOX.
 - 12 RELOCATE DECORATIVE STREET LIGHT ON NEW FOUNDATION, PER CONSTRUCTION DETAIL SHEET CD-4.
 - 13 ADJUST EX. ELECTRIC MANHOLE OR VAULT TO GRADE.
 - 14 ADJUST EX. TELEPHONE VAULT. COORDINATE WORK WITH TELEPHONE COMPANY. REMOVE BOLLARDS OR WALLS AS REQUIRED.
 - 15 RELOCATE #5 PULL BOX (25"x15").
 - 16 RELOCATE EX. SCE POWER LINE. COORDINATE WORK WITH SCE.
 - 17 FURNISH AND INSTALL 2" RIGID STEEL CONDUIT -2#6 AND 1#10 GROUND.
 - 18 ADJUST EX. VALVE TO GRADE.
 - 19 RELOCATE EX. BACKFLOW PREVENTER
 - 20 RELOCATE EX. FIBER OPTIC LINE
 - 21 RELOCATE EX. VENT
 - 22 RELOCATE EX. COMM LINE



U-1

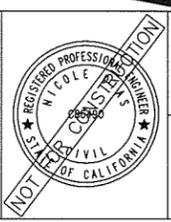
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:

Kimley»Horn

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Tel (213) 281-4040

PREPARED BY: NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:

CHARMAINE YAMBAO DATE
ASSOCIATE CIVIL ENGINEER

APPROVED BY:

RAMIRO ADEVA DATE
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

CITY OF

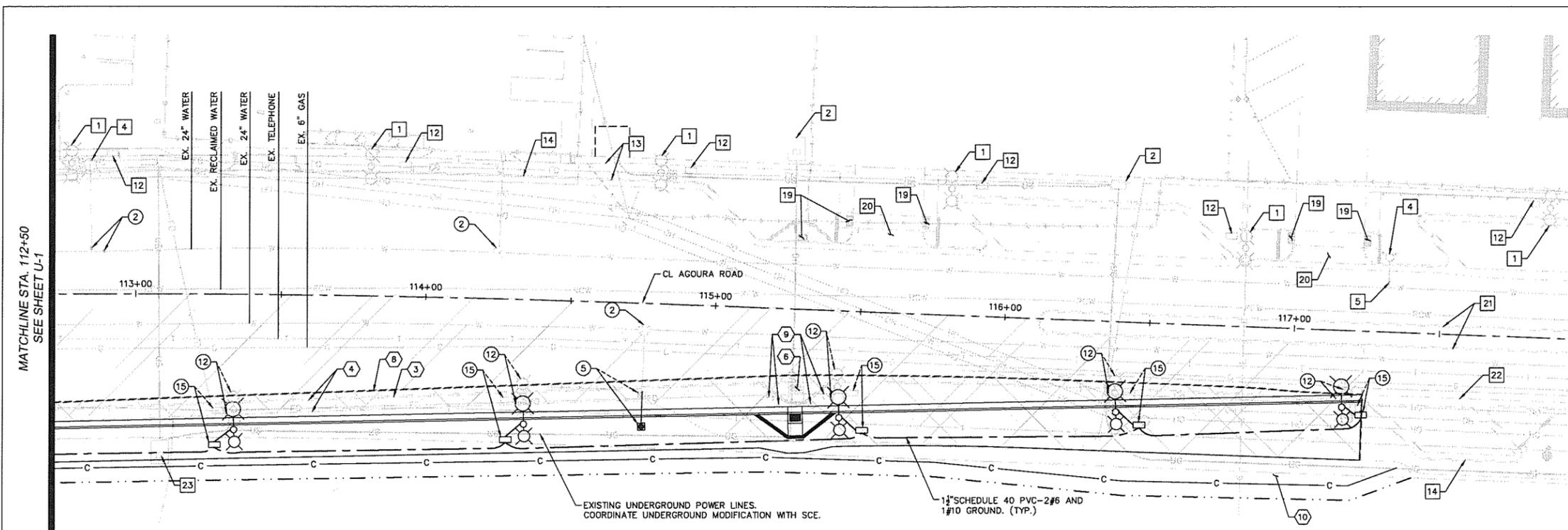
AGOURA HILLS

KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

DEMOLITION/UTILITY PLANS

DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

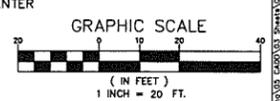
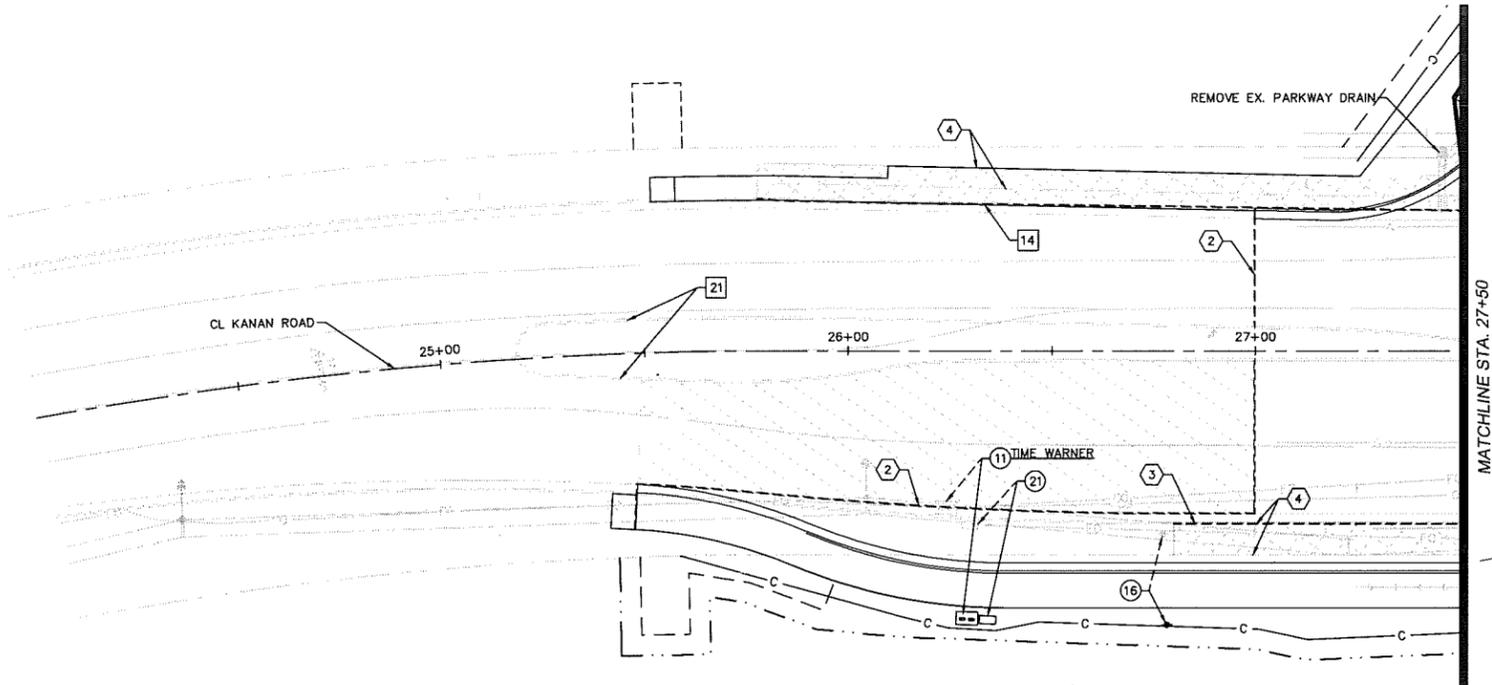
SHEET 5 OF 43



LEGEND

--- RCW --- RCW --- RCW ---	EX. RECLAIMED WATER LINE
--- G --- G --- G ---	EX. GAS LINE
==== S --- S --- S ---	EX. STORM DRAIN
--- SS --- SS --- SS ---	EX. SANITARY SEWER LINE
--- E --- E --- E ---	EX. ELECTRICAL CONDUIT
--- T --- T --- T ---	EX. TELECOMMUNICATIONS LINE
--- ECTV --- ECTV --- ECTV ---	EX. CAT 5 TELECOMMUNICATIONS LINE
--- OEL --- OEL --- OEL ---	EX. OVERHEAD ELECTRIC LINE
--- W --- W --- W ---	EX. WATER LINE
---	EX. RIGHT OF WAY
[Hatched Box]	CONSTRUCT ASPHALT OVERLAY
[Cross-hatched Box]	REMOVE EXISTING PCC, CURB, GUTTER, SIDEWALK, PARKING, DRIVEWAY
FW	FIRE WATER LINE
---	RIGHT OF WAY
---	UNDERGROUND LINES
[Square]	VAULT/UTILITY BOX
---	SAWCUT LINE
---	TEMPORARY EASEMENT
---	PERMANENT EASEMENT
[Hatched Box]	REMOVE EXISTING ASPHALT PAVEMENT & AGGREGATE BASE
[Triangle]	EXISTING THRUST BLOCK

- NOTES**
- PROTECT-IN-PLACE**
- | | |
|-------------------------------|-----------------------|
| 1 EX. STREET LIGHT AND POLE | 13 EX. SIDEWALK |
| 2 EX. UTILITY BOX | 14 EX. CURB & GUTTER |
| 3 EX. STORM DRAIN CATCH BASIN | 15 EX. TREE(S) |
| 4 EX. FIRE HYDRANT | 16 EX. SIGN |
| 5 EX. UTILITY VALVE | 17 EX. RETAINING WALL |
| 6 EX. STORM DRAIN | 18 EX. TRENCH DRAIN |
| 7 EX. MANHOLE | 19 EX. CURB RAMP |
| 8 EX. TRAFFIC SIGNAL AND POLE | 20 EX. DRIVEWAY |
| 9 EX. POWER POLE | 21 EX. MEDIAN |
| 10 EX. WATER METER | 22 EX. CROSS GUTTER |
| 11 EX. VENT | 23 EX. TRANSFORMER |
| 12 EX. PULL BOX | |
- DEMOLITION**
- REMOVE AND RELOCATE EX. TREE(S) (SEE PLAN FOR SIZE AND TYPE)
 - SAWCUT EX. PAVEMENT
 - REMOVE EX. CURB & GUTTER
 - REMOVE EX. SIDEWALK
 - REMOVE EX. AC CURB
 - REMOVE EX. CURB RAMP
 - REMOVE EX. SLOUGH WALL
 - SAWCUT EX. PAVEMENT ALONG EX. LIP OF GUTTER
 - REMOVE EX. STONE BOLLARD
 - CLEAR AND GRUB, EXCAVATION AND/OR EMBANKMENT
- UTILITY CONSTRUCTION/RELOCATION**
- ADJUST EX. SEWER MANHOLE TO GRADE
 - ADJUST EX. VALVE TO GRADE/AIR VAC.
 - RELOCATE EX. FIRE HYDRANT
 - RELOCATE EX. WATER METER ASSEMBLY.
 - RELOCATE EX. AIR VAC/BLOW OFF ASSEMBLY
 - ADJUST EX. STORM DRAIN MANHOLE TO GRADE.
 - REMOVE CATCH BASIN/INLET PER STORM DRAIN PLANS.
 - RELOCATE EXISTING ELECTRICAL VAULT VENTS.
 - ADJUST EX. TELEPHONE MANHOLE TO GRADE.
 - RELOCATE TRAFFIC SIGNAL SEE TRAFFIC SIGNAL PLANS.
 - RELOCATE EX. UTILITY BOX.
 - RELOCATE DECORATIVE STREET LIGHT ON NEW FOUNDATION, PER CONSTRUCTION DETAIL SHEET CD-4.
 - ADJUST EX. ELECTRIC MANHOLE OR VAULT TO GRADE.
 - ADJUST EX. TELEPHONE VAULT. COORDINATE WORK WITH TELEPHONE COMPANY. REMOVE BOLLARDS OR WALLS AS REQUIRED.
 - RELOCATE #5 PULL BOX (25"x15").
 - RELOCATE EX. SCE POWER LINE. COORDINATE WORK WITH SCE.
 - FURNISH AND INSTALL 2" RIGID STEEL CONDUIT -2#6 AND 1#10 GROUND.
 - ADJUST EX. VALVE TO GRADE.
 - RELOCATE EX. BACKFLOW PREVENTER
 - RELOCATE EX. FIBER OPTIC LINE
 - RELOCATE EX. VENT
 - RELOCATE EX. COMM LINE



U-2

PREPARED BY:

Kimley»Horn

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CHARMAINE YAMBAO
ASSOCIATE CIVIL ENGINEER

APPROVED BY:

RAMIRO ADEVA
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

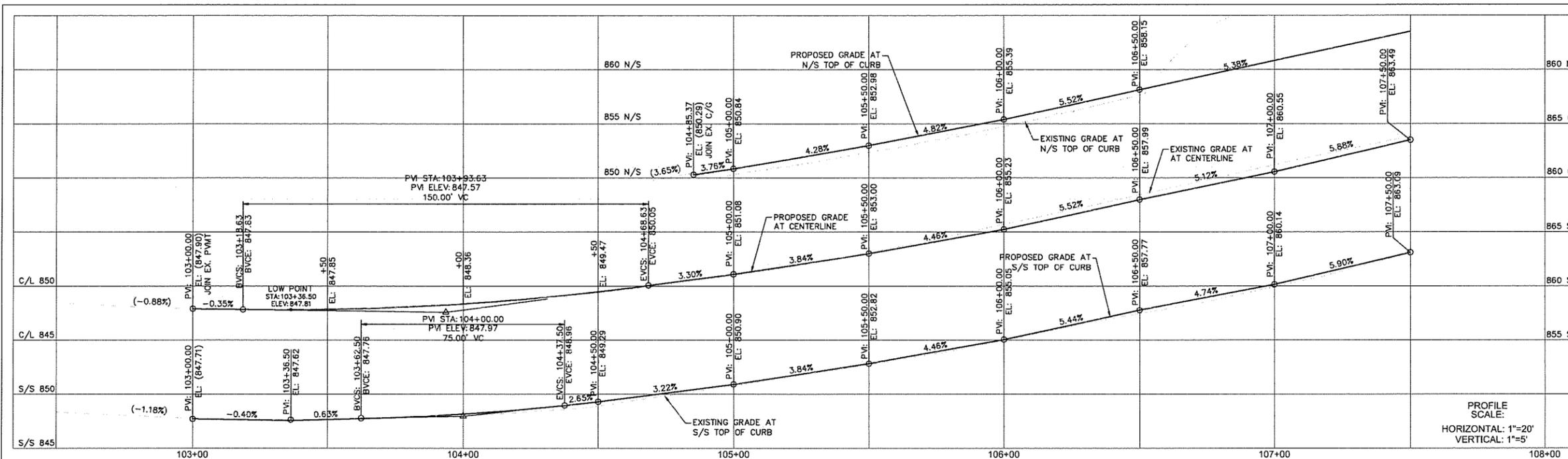


KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

DEMOLITION/UTILITY PLANS

DESIGNED BY: ND	DRAWN BY: CG	CHECKED BY: AC	KHA JOB NUMBER 099083026
			SHEET 6 OF 43

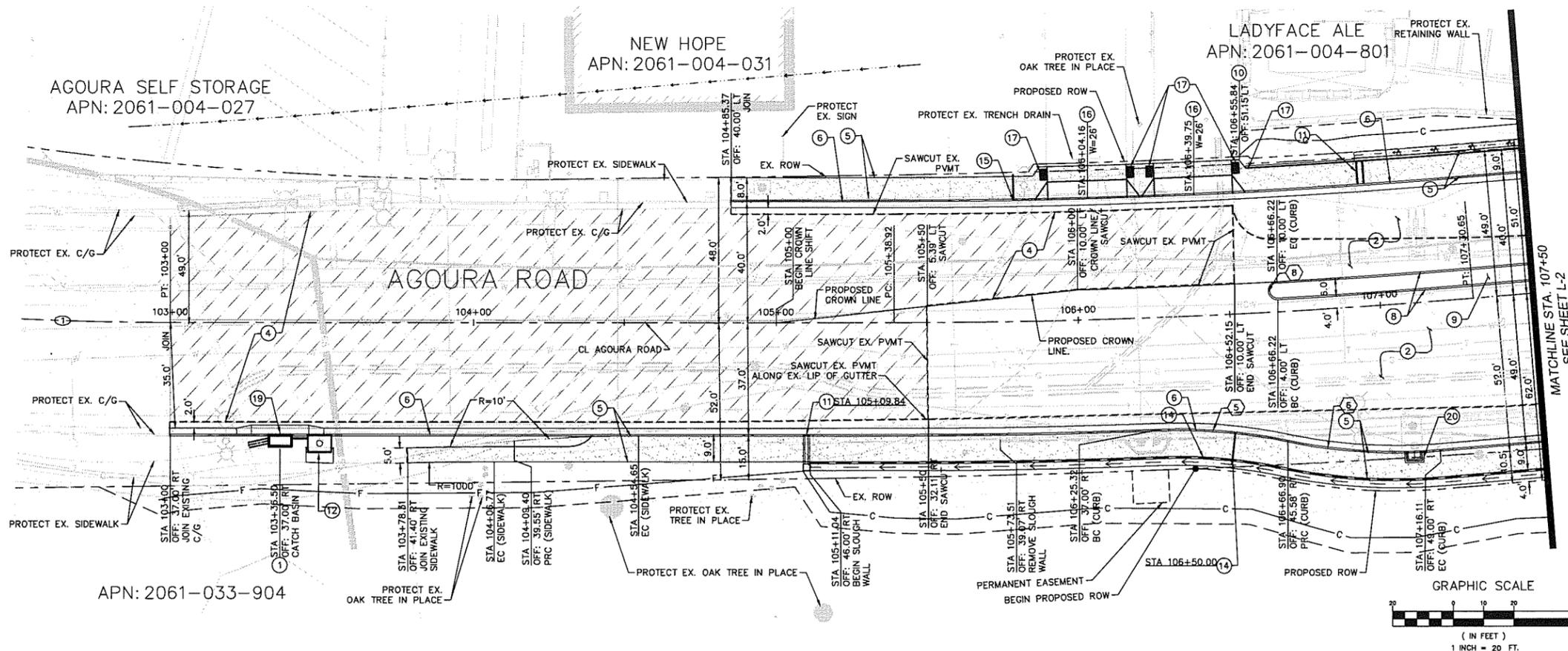
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE



- LEGEND**
- CONSTRUCT ASPHALT OVERLAY
 - CONSTRUCT ASPHALT CONCRETE PAVEMENT
 - CONSTRUCT DECORATIVE PAVEMENT
 - PROPOSED RIGHT OF WAY
 - EX. RIGHT OF WAY
 - SAWCUT LINE
 - SLOUGH WALL
 - RETAINING WALL
 - EXTENT OF EARTHWORK CUT
 - EXTENT OF EARTHWORK FILL
 - TEMPORARY EASEMENT
 - PERMANENT EASEMENT
 - FLOWLINE

- CONSTRUCTION NOTES**
- 1 CONSTRUCT NEW CATCH BASIN. SEE STORM DRAIN PLANS FOR DETAILS.
 - 2 CONSTRUCT ASPHALT CONCRETE PAVEMENT. SEE PAVEMENT DETAIL A ON SHEET X-1.
 - 3 CONSTRUCT DECORATIVE PAVEMENT. SEE PAVEMENT DETAIL B ON SHEET X-1.
 - 4 CONSTRUCT VARIABLE DEPTH ASPHALT OVERLAY.
 - 5 CONSTRUCT 4" PCC SIDEWALK. CONSTRUCT SIDEWALK JOINTS PER SPPWC STD. PLAN 112-2.
 - 6 CONSTRUCT CURB AND GUTTER, TYPE A2-B, PER SPPWC STD. PLAN 120-2.
 - 7 CONSTRUCT CURB RAMP, CASE A-TYPE 1, PER SPPWC STD. PLAN 111-5.
 - 8 CONSTRUCT CURB, TYPE A1-6, PER SPPWC STD. PLAN 120-2.
 - 9 CONSTRUCT LANDSCAPING PER LANDSCAPE PLANS.
 - 10 CONSTRUCT TYPE 4 RETAINING WALL PER SPPWC STD. PLAN 613-4.
 - 11 CONSTRUCT PARKWAY DRAIN PER SPPWC STD. PLAN 151-2. 5=2'
 - 12 CONSTRUCT URBANGREEN BIOFILTER PER CONSTRUCTION DETAIL SHEET CD-5.
 - 13 CONSTRUCT ISLAND PASSAGEWAY PER CONSTRUCTION DETAIL SHEET CD-1.
 - 14 CONSTRUCT SLOUGH WALL AND/OR CURB DRAIN PER CONSTRUCTION DETAIL SHEET CD-2.
 - 15 CONSTRUCT CURB DRAIN PER SPPWC STD. PLAN 150-3. N=1. CASE TYPE TO MATCH EXISTING CONDITION.
 - 16 CONSTRUCT TYPE B DRIVEWAY APPROACH PER SPPWC STD. PLAN 110-2.
 - 17 CONSTRUCT 36" WIDE DETECTABLE WARNING SURFACE PER SPPWC STD. PLAN 111-5.
 - 18 CONSTRUCT CURB RAMP, CASE B-TYPE 1, PER SPPWC STD. PLAN 111-5.
 - 19 CONSTRUCT MODIFIED LOCAL DEPRESSION, CASE B, PER MODIFIED SPPWC STD. PLAN 313-3. M=3
 - 20 CONSTRUCT REMOVABLE CURB PER SCE UNDERGROUND STRUCTURES STD. MC 870. SEE SHEET CD-5 FOR DETAILS.
 - 21 CONSTRUCT AC DIKE, TYPE D1-B, PER SPPWC STD. PLAN 120-2.
 - 22 CONSTRUCT AC WEDGE

PROFILE SCALE:
HORIZONTAL: 1"=20'
VERTICAL: 1"=5'

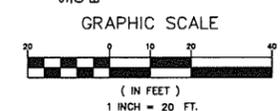


CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
1	1040.00'	540.24'	29°45'47"	276.36'
2	2300.00'	191.73'	4°46'34"	95.92'
3	5000.00'	379.68'	4°21'03"	189.93'
4	1000.00'	686.85'	39°21'13"	357.60'

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
5	175.00'	42.77'	14°00'10"	21.49'
6	175.00'	50.78'	16°37'37"	25.57'
8	3.00'	9.42'	180°00'00"	INFINITY



L-1

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:
Kimley»Horn
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NICOLE DIAS R.C.E. C85490 DATE



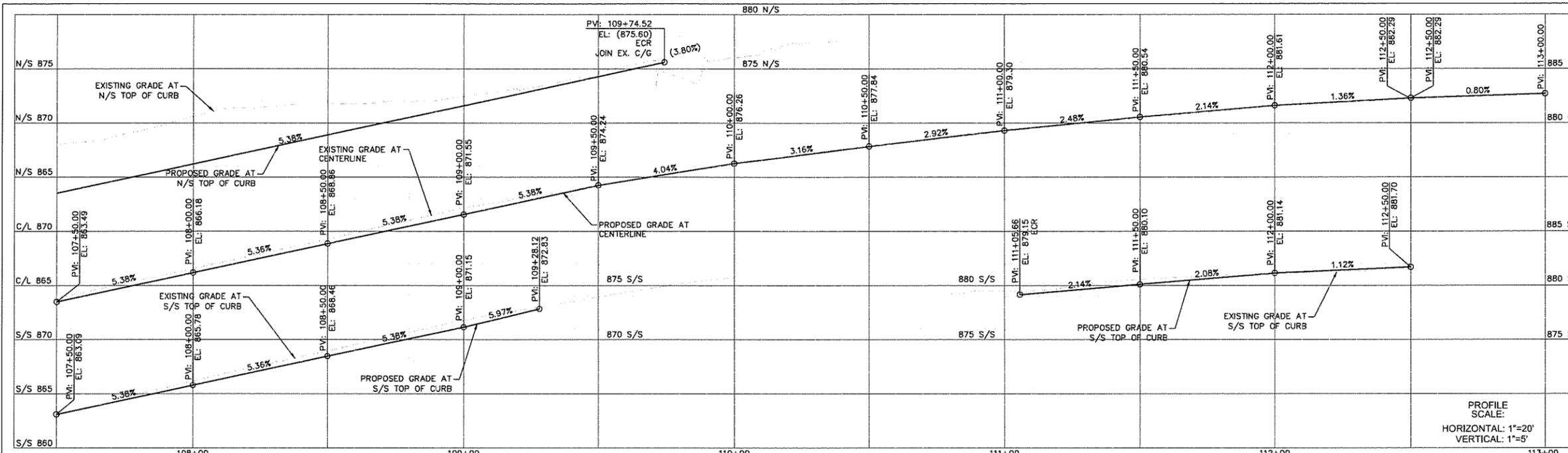
REVIEWED BY:
CHARMAINE YAMBAO DATE
ASSOCIATE CIVIL ENGINEER

APPROVED BY:
RAMIRO ADEVA DATE
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

CITY OF
AGOURA HILLS

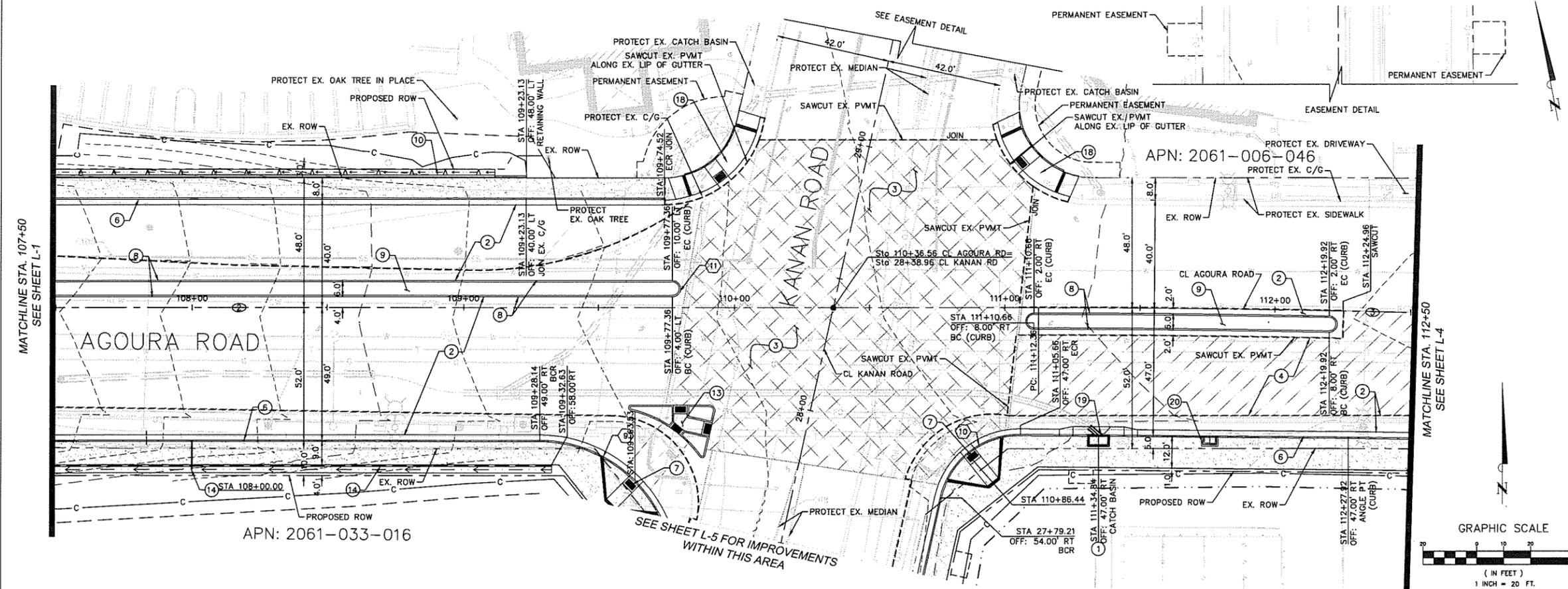
KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS
STREET PLANS

DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC
KHA JOB NUMBER: 099083026
SHEET 7 OF 43



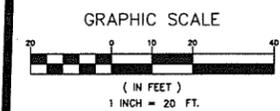
- ### LEGEND
- CONSTRUCT ASPHALT OVERLAY
 - CONSTRUCT ASPHALT CONCRETE PAVEMENT
 - CONSTRUCT DECORATIVE PAVEMENT
 - PROPOSED RIGHT OF WAY
 - EX. RIGHT OF WAY
 - SAWCUT LINE
 - SLOUGH WALL
 - RETAINING WALL
 - EXTENT OF EARTHWORK CUT
 - EXTENT OF EARTHWORK FILL
 - TEMPORARY EASEMENT
 - PERMANENT EASEMENT
 - FLOWLINE

- ### CONSTRUCTION NOTES
1. CONSTRUCT NEW CATCH BASIN. SEE STORM DRAIN PLANS FOR DETAILS.
 2. CONSTRUCT ASPHALT CONCRETE PAVEMENT. SEE PAVEMENT DETAIL A ON SHEET X-1.
 3. CONSTRUCT DECORATIVE PAVEMENT. SEE PAVEMENT DETAIL B ON SHEET X-1.
 4. CONSTRUCT VARIABLE DEPTH ASPHALT OVERLAY.
 5. CONSTRUCT 4" PCC SIDEWALK. CONSTRUCT SIDEWALK JOINTS PER SPPWC STD. PLAN 112-2.
 6. CONSTRUCT CURB AND GUTTER, TYPE A2-B, PER SPPWC STD. PLAN 120-2.
 7. CONSTRUCT CURB RAMP, CASE A-TYPE 1, PER SPPWC STD. PLAN 111-5.
 8. CONSTRUCT CURB, TYPE A1-6, PER SPPWC STD. PLAN 120-2.
 9. CONSTRUCT LANDSCAPING PER LANDSCAPE PLANS.
 10. CONSTRUCT TYPE 4 RETAINING WALL PER SPPWC STD. PLAN 613-4.
 11. CONSTRUCT PARKWAY DRAIN PER SPPWC STD. PLAN 151-2, S=2'.
 12. CONSTRUCT URBAN/GREEN BIOFILTER PER CONSTRUCTION DETAIL SHEET CD-5.
 13. CONSTRUCT ISLAND PASSAGEWAY PER CONSTRUCTION DETAIL SHEET CD-1.
 14. CONSTRUCT SLOUGH WALL AND/OR CURB DRAIN PER CONSTRUCTION DETAIL SHEET CD-2.
 15. CONSTRUCT CURB DRAIN PER SPPWC STD. PLAN 150-3, N=1. CASE TYPE TO MATCH EXISTING CONDITION.
 16. CONSTRUCT TYPE B DRIVEWAY APPROACH PER SPPWC STD. PLAN 110-2.
 17. CONSTRUCT 36" WIDE DETECTABLE WARNING SURFACE PER SPPWC STD. PLAN 111-5.
 18. CONSTRUCT CURB RAMP, CASE B-TYPE 1, PER SPPWC STD. PLAN 111-5.
 19. CONSTRUCT MODIFIED LOCAL DEPRESSION, CASE B, PER MODIFIED SPPWC STD. PLAN 313-3, M=3.
 20. CONSTRUCT REMOVABLE CURB PER SEE UNDERGROUND STRUCTURES STD. MC 870. SEE SHEET CD-5 FOR DETAILS.
 21. CONSTRUCT AC DIKE, TYPE D1-8, PER SPPWC STD. PLAN 120-2.
 22. CONSTRUCT AC WEDGE.



CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
1	1040.00'	540.24'	29°45'47"	276.36'
2	2300.00'	191.73'	4°46'34"	95.92'
3	5000.00'	379.68'	4°21'03"	189.93'
4	1000.00'	686.85'	39°21'13"	357.60'

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
9	50.00'	90.70'	103°56'05"	63.92'
10	30.00'	40.75'	77°50'01"	24.22'
11	3.00'	9.42'	180°00'00"	INFINITY



REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:
Kimley»Horn
 © 2017 KIMLEY-HORN AND ASSOCIATES, INC.
 660 South Figueroa Street, Suite 2050, Los Angeles, CA 90017
 Tel (213) 261-4040

NICOLE DIAS R.C.E. CB6490 DATE



REVIEWED BY:
 CHARMINE YAMBAO DATE
 ASSOCIATE CIVIL ENGINEER

APPROVED BY:
 RAMIRO ADEVA DATE
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

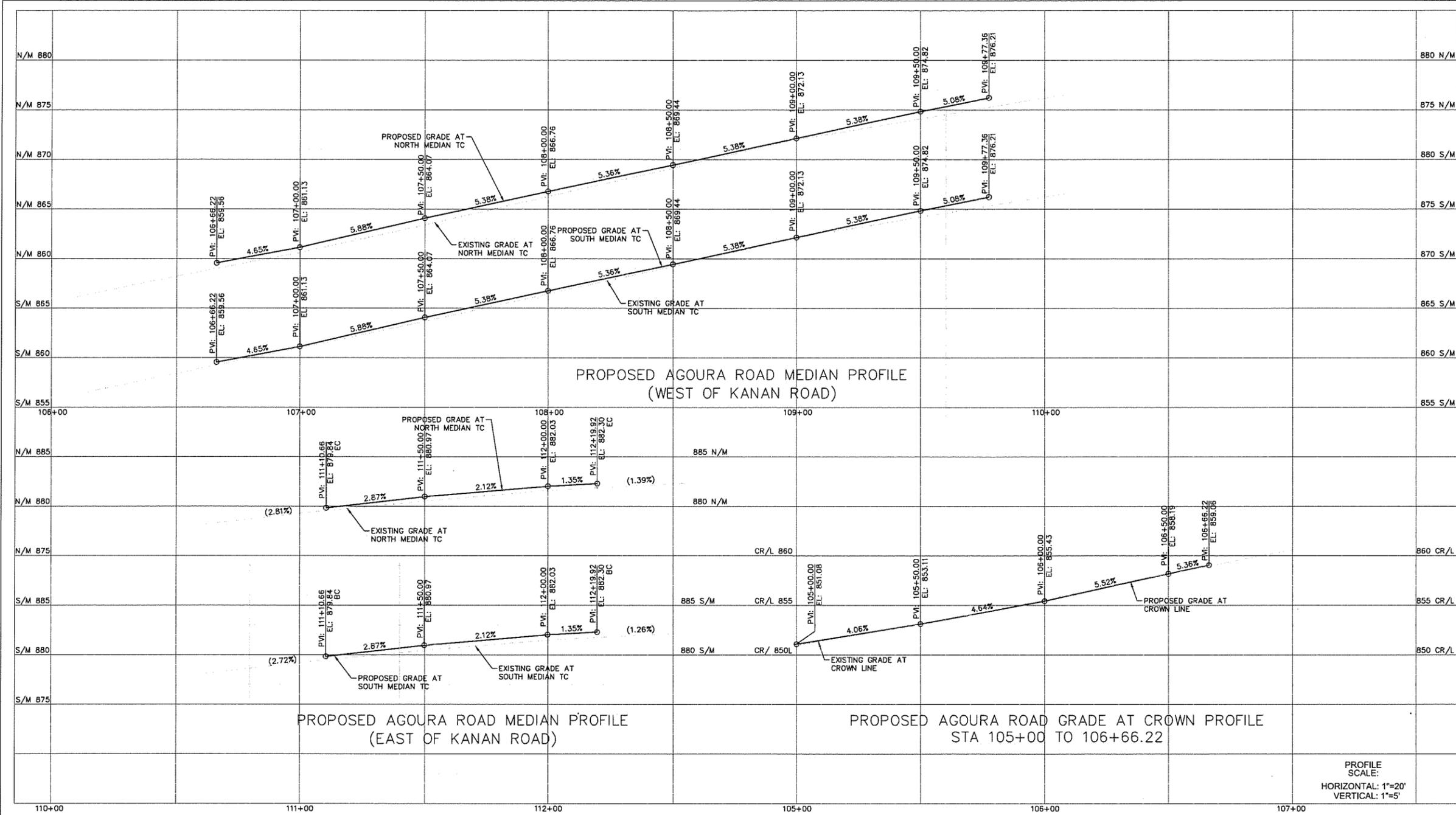
CITY OF

AGOURA HILLS

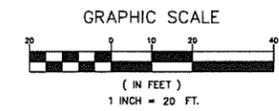
KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 STREET PLANS

DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

SHEET 8 OF 43



PROFILE SCALE:
HORIZONTAL: 1"=20'
VERTICAL: 1"=5'

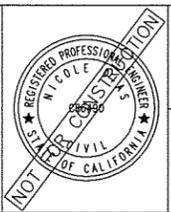


L-3

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:
Kimley»Horn
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680 South Figueroa Street, Suite 2050, Los Angeles, CA 90017
Tel (213) 261-4040

PREPARED BY:
NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:
CHARMAINE YAMBAO DATE
ASSOCIATE CIVIL ENGINEER

APPROVED BY:
RAMIRO ADEVA DATE
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

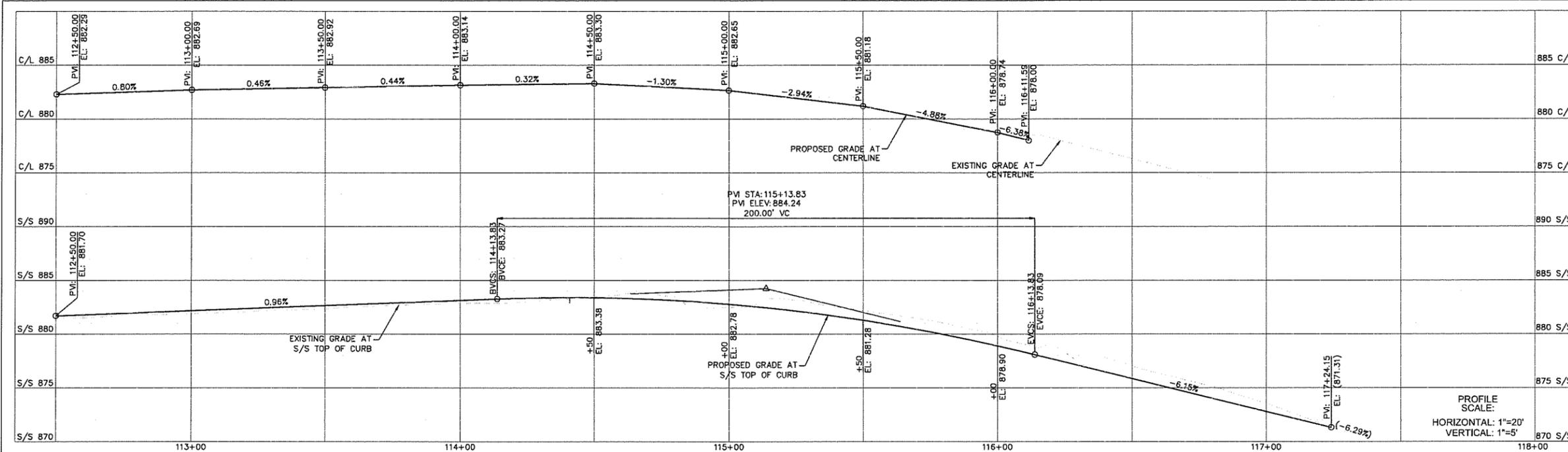


KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS
STREET PROFILES

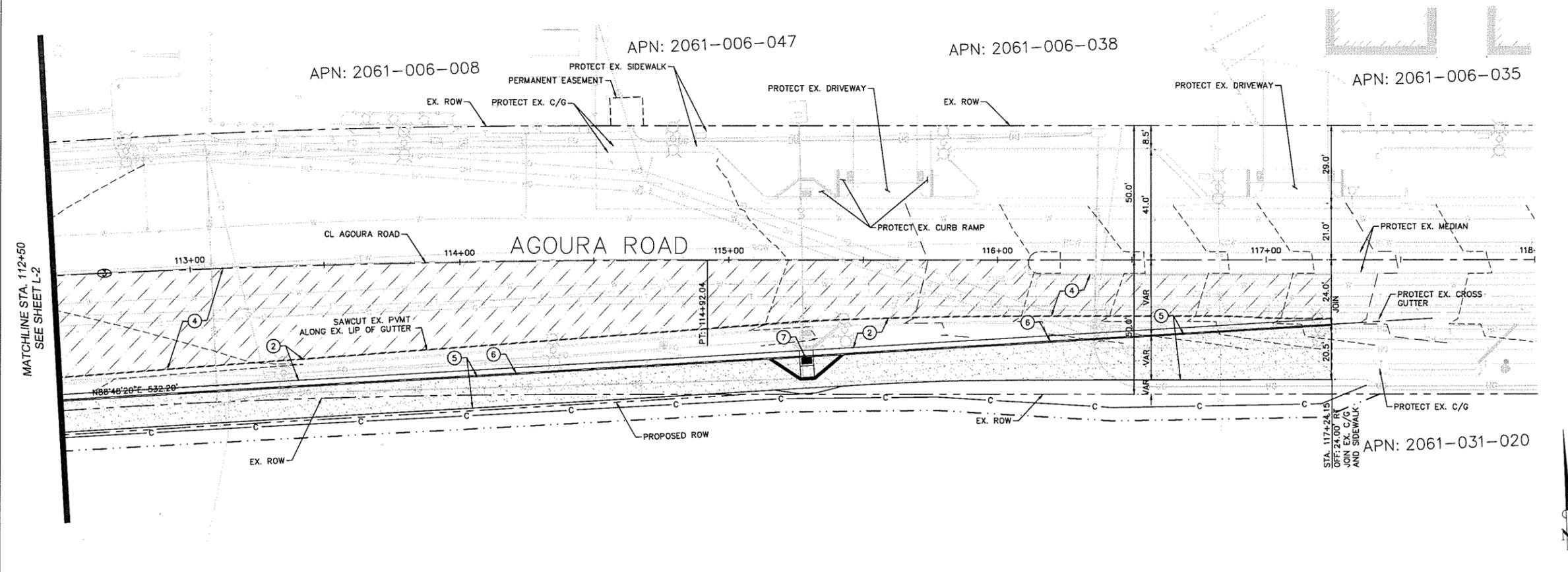
DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

SHEET 9 OF 43

K:\Projects\099083026 - Kanan Agoura Intersection\Drawings\03 Sheets\Street Profiles - 03 - 099083026.dwg 4/12/17 3:05 PM



- ### LEGEND
- CONSTRUCT ASPHALT OVERLAY
 - CONSTRUCT ASPHALT CONCRETE PAVEMENT
 - CONSTRUCT DECORATIVE PAVEMENT
 - PROPOSED RIGHT OF WAY
 - EX. RIGHT OF WAY
 - SAWCUT LINE
 - SLOUGH WALL
 - RETAINING WALL
 - EXTENT OF EARTHWORK CUT
 - EXTENT OF EARTHWORK FILL
 - TEMPORARY EASEMENT
 - PERMANENT EASEMENT
 - FLOWLINE
- ### CONSTRUCTION NOTES
1. CONSTRUCT NEW CATCH BASIN. SEE STORM DRAIN PLANS FOR DETAILS.
 2. CONSTRUCT ASPHALT CONCRETE PAVEMENT. SEE PAVEMENT DETAIL A ON SHEET X-1.
 3. CONSTRUCT DECORATIVE PAVEMENT. SEE PAVEMENT DETAIL B ON SHEET X-1.
 4. CONSTRUCT VARIABLE DEPTH ASPHALT OVERLAY.
 5. CONSTRUCT 4" PCC SIDEWALK. CONSTRUCT SIDEWALK JOINTS PER SPPWC STD. PLAN 112-2.
 6. CONSTRUCT CURB AND GUTTER, TYPE A2-8, PER SPPWC STD. PLAN 120-2.
 7. CONSTRUCT CURB RAMP, CASE A-TYPE 1, PER SPPWC STD. PLAN 111-5.
 8. CONSTRUCT CURB, TYPE A1-6, PER SPPWC STD. PLAN 120-2.
 9. CONSTRUCT LANDSCAPING PER LANDSCAPE PLANS.
 10. CONSTRUCT TYPE 4 RETAINING WALL PER SPPWC STD. PLAN 613-4.
 11. CONSTRUCT PARKWAY DRAIN PER SPPWC STD. PLAN 151-2, S=2'.
 12. CONSTRUCT URBANGREEN BIOFILTER PER CONSTRUCTION DETAIL SHEET CD-5.
 13. CONSTRUCT ISLAND PASSAGEWAY PER CONSTRUCTION DETAIL SHEET CD-1.
 14. CONSTRUCT SLOUGH WALL AND/OR CURB DRAIN PER CONSTRUCTION DETAIL SHEET CD-2.
 15. CONSTRUCT CURB DRAIN PER SPPWC STD. PLAN 150-3, N=1, CASE TYPE, TO MATCH EXISTING CONDITION.
 16. CONSTRUCT TYPE B DRIVEWAY APPROACH PER SPPWC STD. PLAN 110-2.
 17. CONSTRUCT 36" WIDE DETECTABLE WARNING SURFACE PER SPPWC STD. PLAN 111-5.
 18. CONSTRUCT CURB RAMP, CASE B-TYPE 1, PER SPPWC STD. PLAN 111-5.
 19. CONSTRUCT MODIFIED LOCAL DEPRESSION, CASE B, PER MODIFIED SPPWC STD. PLAN 313-3, M=3.
 20. CONSTRUCT REMOVABLE CURB PER SCE UNDERGROUND STRUCTURES STD. MC 870. SEE SHEET CD-5 FOR DETAILS.
 21. CONSTRUCT AC DIKE, TYPE D1-8, PER SPPWC STD. PLAN 120-2.
 22. CONSTRUCT AC WEDGE.

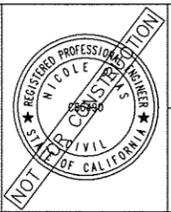


- ### CURVE TABLE
- | CURVE | RADIUS | LENGTH | DELTA | TANGENT |
|-------|----------|---------|-----------|---------|
| 1 | 1040.00' | 540.24' | 29°45'47" | 276.36' |
| 2 | 2300.00' | 191.73' | 4°46'34" | 95.92' |
| 3 | 5000.00' | 379.68' | 4°21'03" | 189.93' |
| 4 | 1000.00' | 686.85' | 39°21'13" | 357.60' |
- ### GRAPHIC SCALE
- (IN FEET)
1 INCH = 20 FT.

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

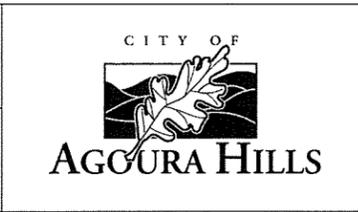
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 660 South Figueroa Street, Suite 2050, Los Angeles, CA 90017
 Tel (213) 261-4040

NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:
 CHARMINE YAMBAO DATE
 ASSOCIATE CIVIL ENGINEER

APPROVED BY:
 RAMIRO ADEVA DATE
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

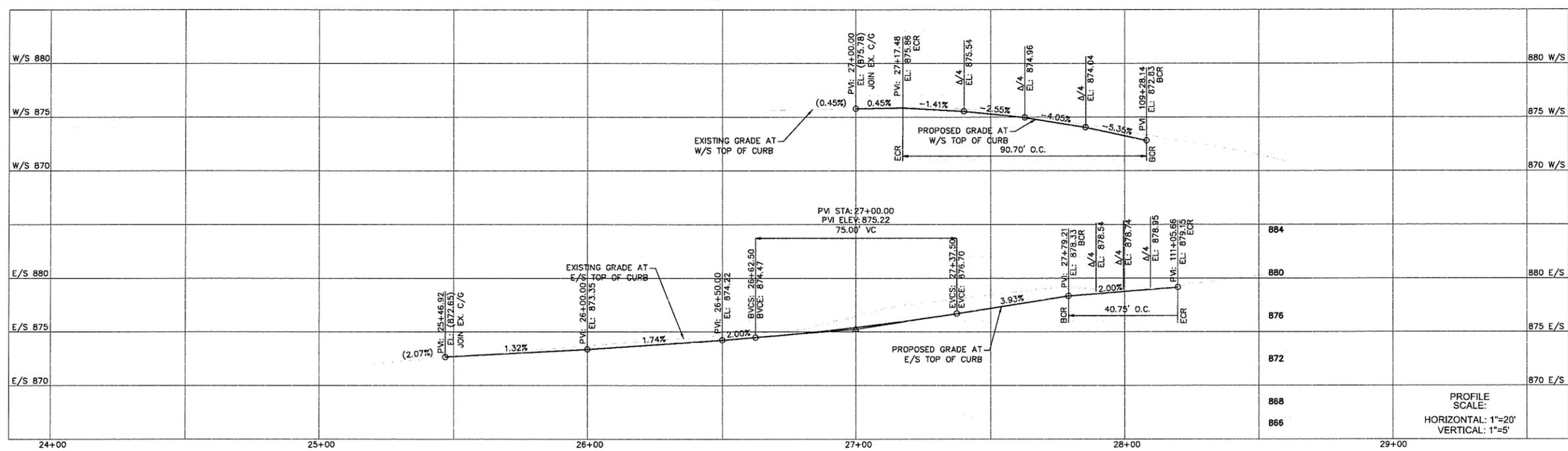


KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 STREET PLANS

DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

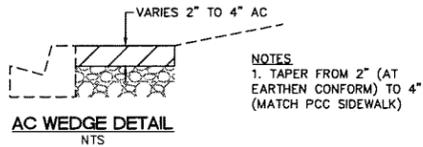
SHEET 10 OF 43

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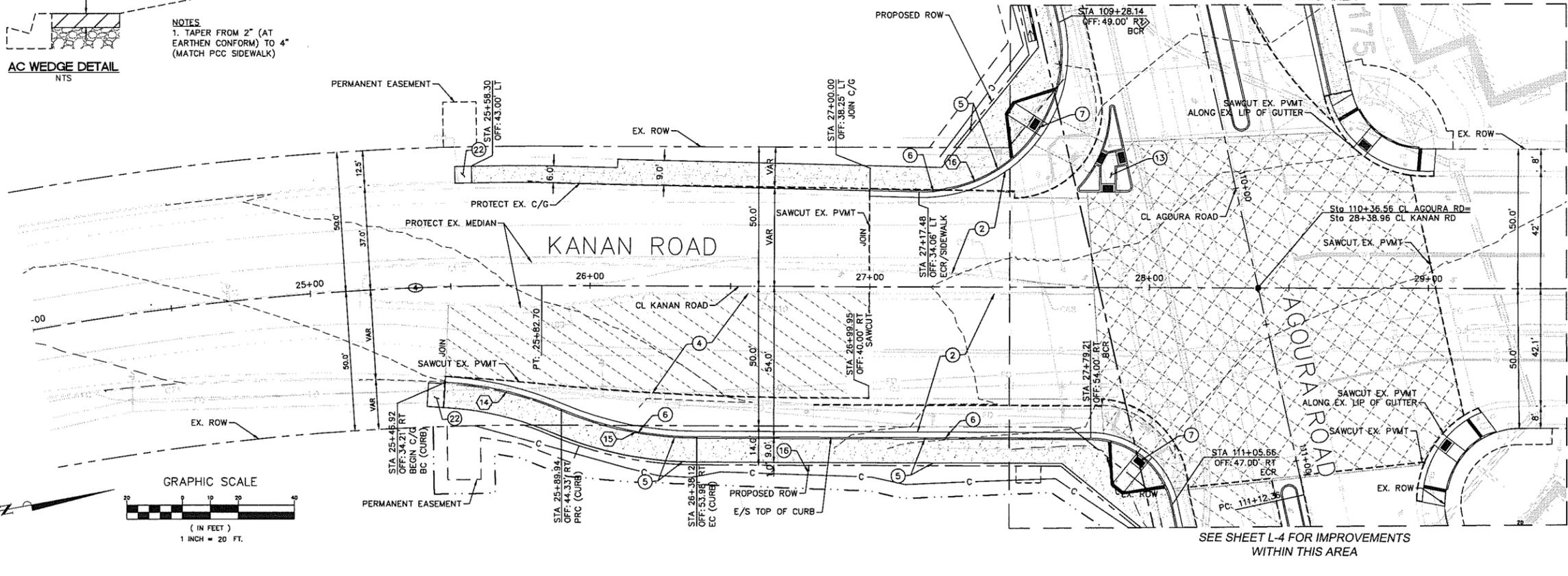


- ### LEGEND
- CONSTRUCT ASPHALT OVERLAY
 - CONSTRUCT ASPHALT CONCRETE PAVEMENT
 - CONSTRUCT DECORATIVE PAVEMENT
 - PROPOSED RIGHT OF WAY
 - EX. RIGHT OF WAY
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 20. CONSTRUCT REMOVABLE CURB PER SCE UNDERGROUND STRUCTURES STD. MC 870. SEE SHEET CD-5 FOR DETAILS.
 21. CONSTRUCT AC DIKE, TYPE D1-8, PER SPPWC STD. PLAN 120-2.
 22. CONSTRUCT AC WEDGE, HEREON.

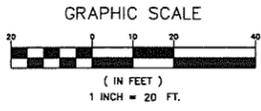


VARIES 2" TO 4" AC



CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
1	1040.00'	540.24'	29°45'47"	276.36'
2	2300.00'	191.73'	4°46'34"	95.92'
3	5000.00'	379.68'	4°21'03"	189.93'
4	1000.00'	686.85'	39°21'13"	357.60'

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
14	125.00'	43.06'	19°44'20"	21.75'
15	125.00'	49.46'	22°40'16"	25.06'
16	50.00'	90.70'	103°56'05"	63.92'



REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

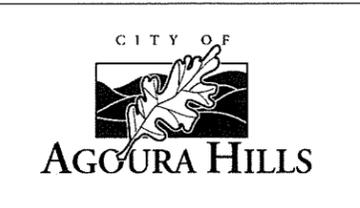
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Tel (213) 261-4040

NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:
CHARMAINE YAMBAO
ASSOCIATE CIVIL ENGINEER DATE

APPROVED BY:
RAMIRO ADEVA
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE



KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

STREET PLANS

DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

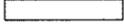
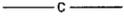
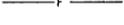
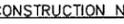
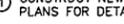
SHEET 11 OF 43

L-5

GENERAL NOTES

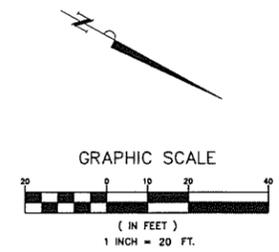
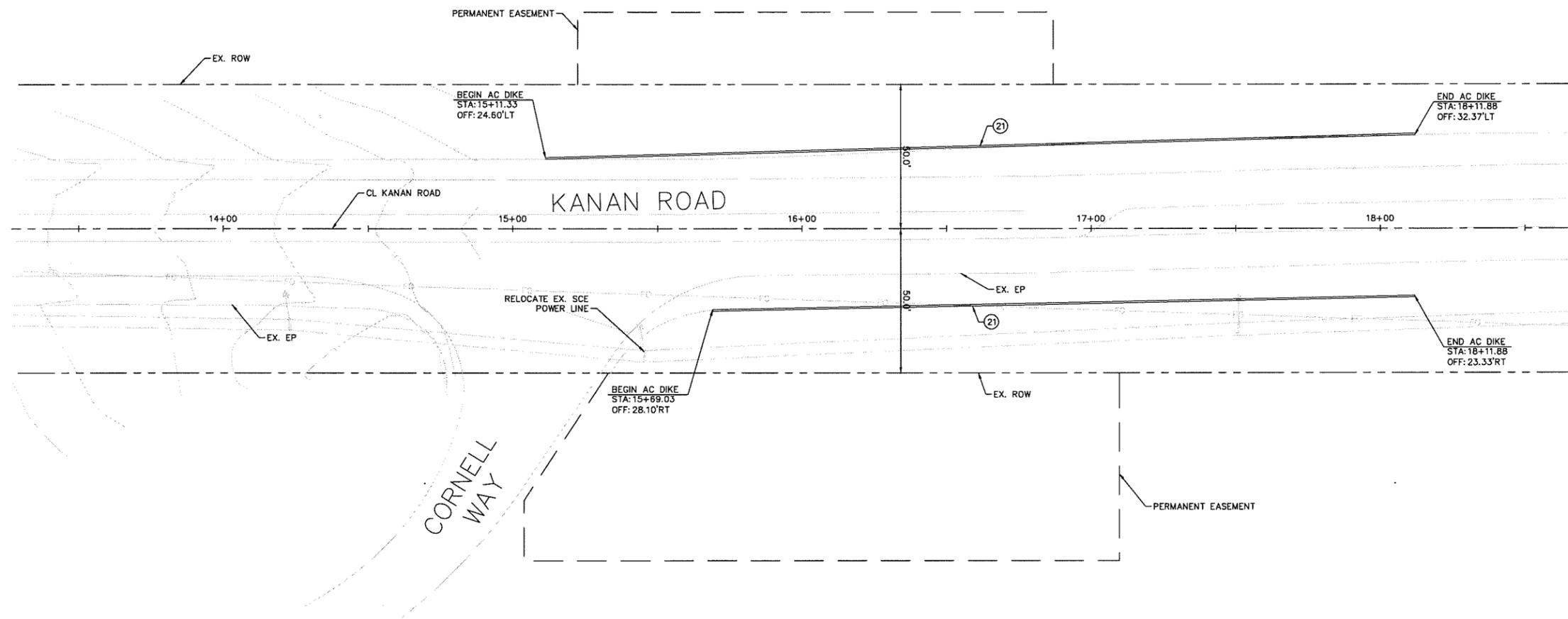
1. FOR HARDSCAPE AND LANDSCAPE IMPROVEMENTS, REFER TO SHEETS HS-1 THROUGH HS-5 AND LP-1 THROUGH LP-4, RESPECTIVELY.

LEGEND

-  CONSTRUCT ASPHALT OVERLAY
-  CONSTRUCT ASPHALT CONCRETE PAVEMENT
-  CONSTRUCT DECORATIVE PAVEMENT
-  PROPOSED RIGHT OF WAY
-  EX. RIGHT OF WAY
-  SAWCUT LINE
-  SLOUGH WALL
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L-6

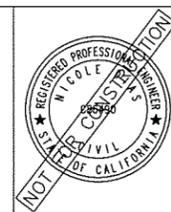
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:

Kimley»Horn

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NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:

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APPROVED BY:

RAMIRO ADEVA DATE
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



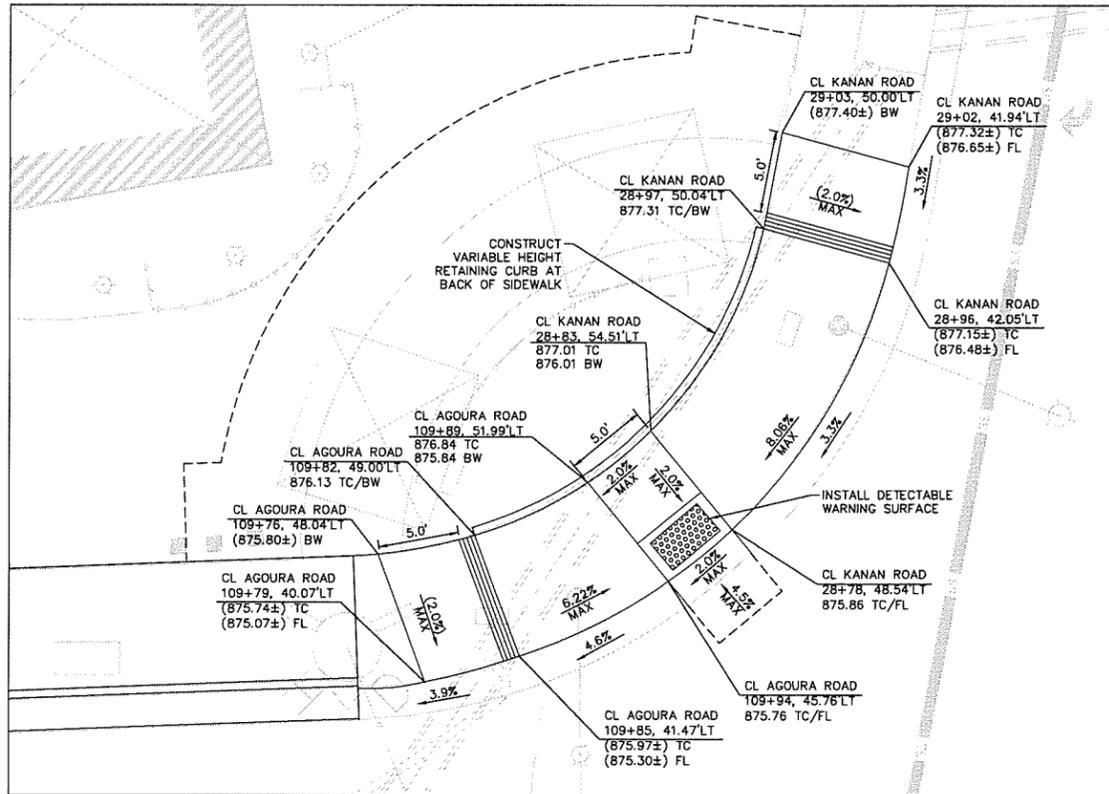
KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

STREET PLANS

DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

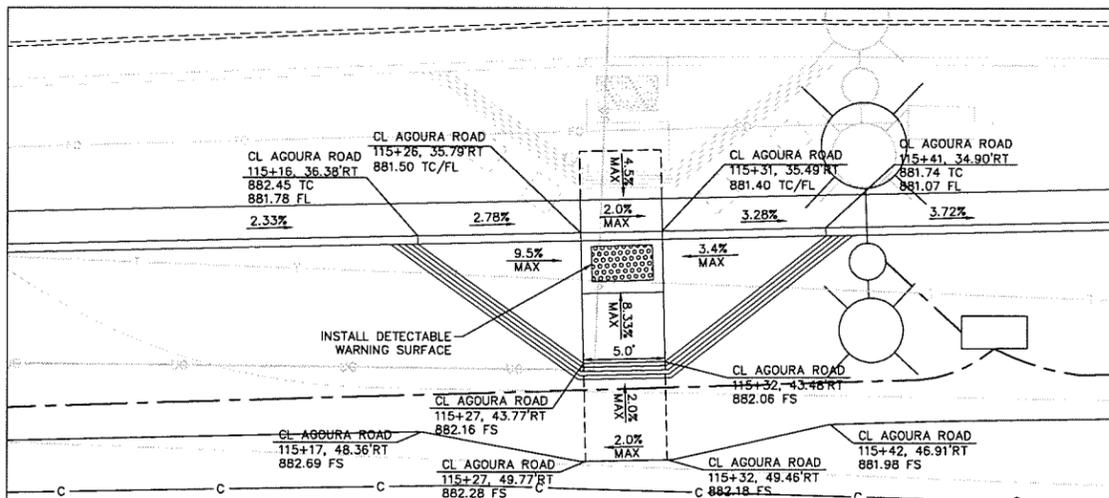
SHEET 12 OF 43

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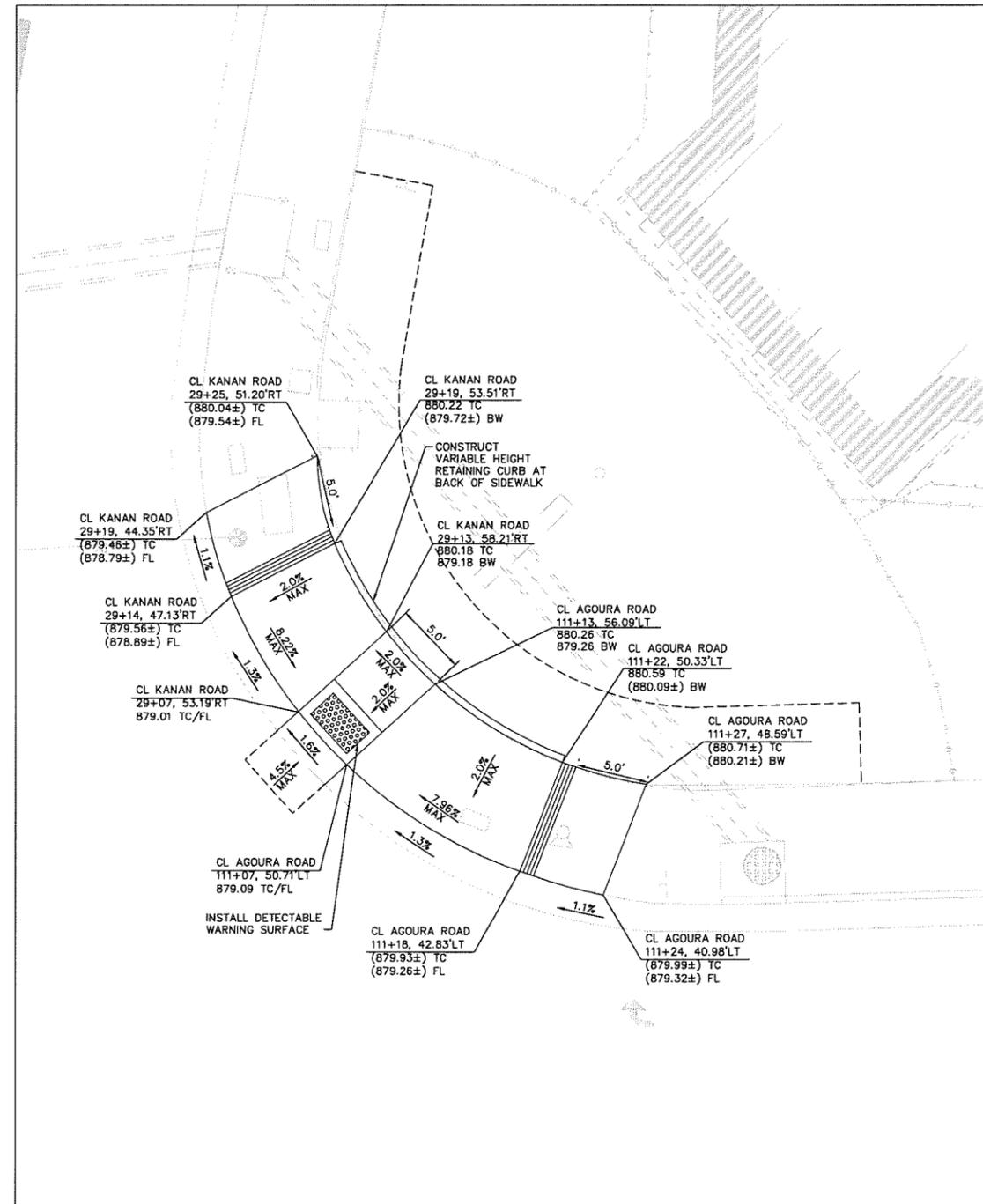
NW CURB RAMP DETAIL

SCALE: 1" = 5'



AGOURA RD CURB RAMP DETAIL

SCALE: 1" = 5'



NE CURB RAMP DETAIL

SCALE: 1" = 5'

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

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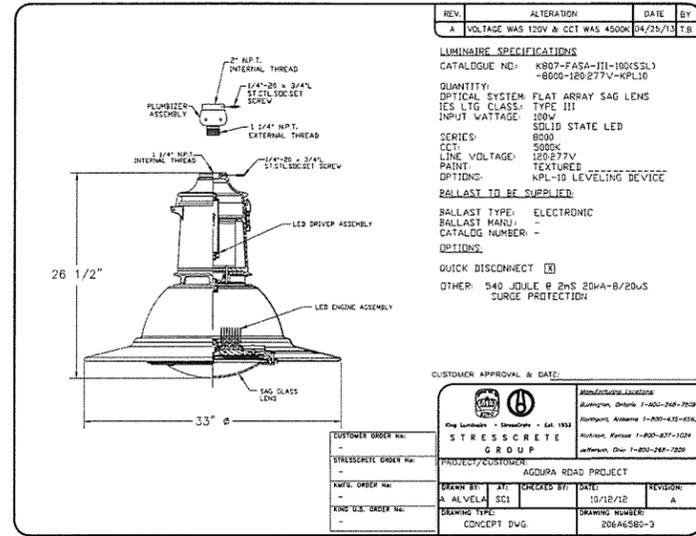


KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 CONSTRUCTION DETAILS

DESIGNED BY: ND DRAWN BY: CC CHECKED BY: AC KHA JOB NUMBER: 099083026

SHEET 14 OF 43

CD-2

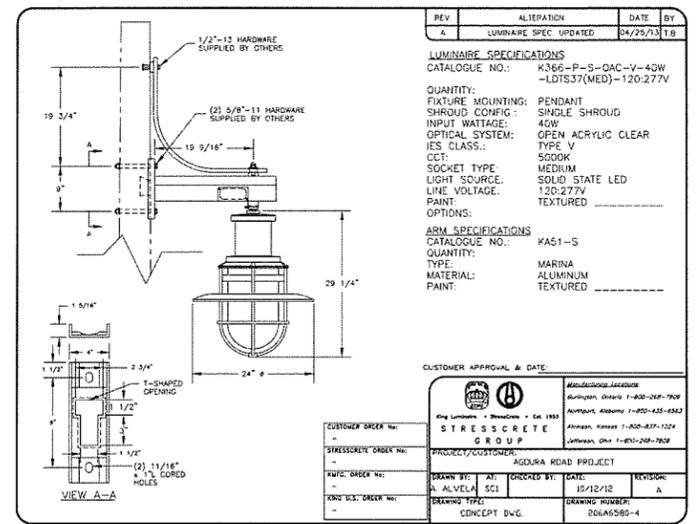


REV.	ALTERATION	DATE	BY
A	LUMINAIRE SPEC. UPDATED	04/25/13	T.B.

LUMINAIRE SPECIFICATIONS
 CATALOGUE NO.: K807-FASA-III-100(SLL)-8000-120-277V-KPL10
 QUANTITY: 1
 OPTICAL SYSTEM: FLAT ARRAY SAG LENS
 IES LG CLASS: TYPE III
 INPUT WATTAGE: 100W
 SERIES: SOLID STATE LED
 CCT: 5000K
 LINE VOLTAGE: 120-277V
 BALLAST TYPE: ELECTRONIC
 BALLAST MANU: -
 CATALOG NUMBER: -
 OPTIONS: NPL-10 LEVELING DEVICE
 BALLAST TO BE SUPPLIED:
 BALLAST TYPE: ELECTRONIC
 BALLAST MANU: -
 CATALOG NUMBER: -
 OPTIONS: -
 QUICK DISCONNECT:
 OTHER: 540 JODULE @ 2WS 20HA-@/20WS SURGE PROTECTION

CUSTOMER APPROVAL & DATE:
 King Luminaire - Stresscrete - Est. 1993
 King Luminaire - Stresscrete - Est. 1993
 Stresscrete Order No.: -
 Project/Client: AGOURA ROAD PROJECT
 Drawn By: A. ALVAREZ
 Checked By: SCI
 Date: 10/12/12
 Revision: A
 Drawing No.: 206A6580-3
 Drawing Type: CONCEPT DVG

100W LUMINAIRE - DETAIL "A"
NTS

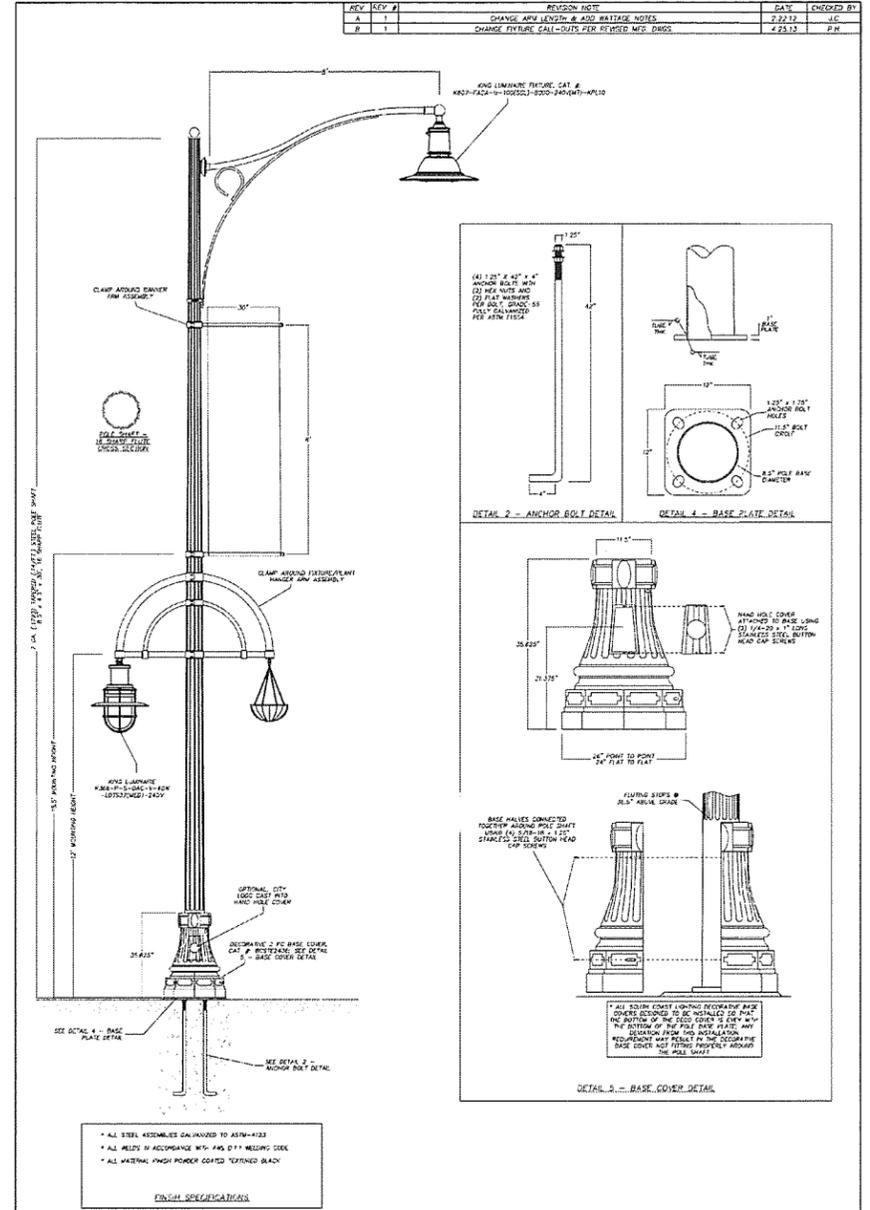


REV.	ALTERATION	DATE	BY
A	LUMINAIRE SPEC. UPDATED	04/25/13	T.B.

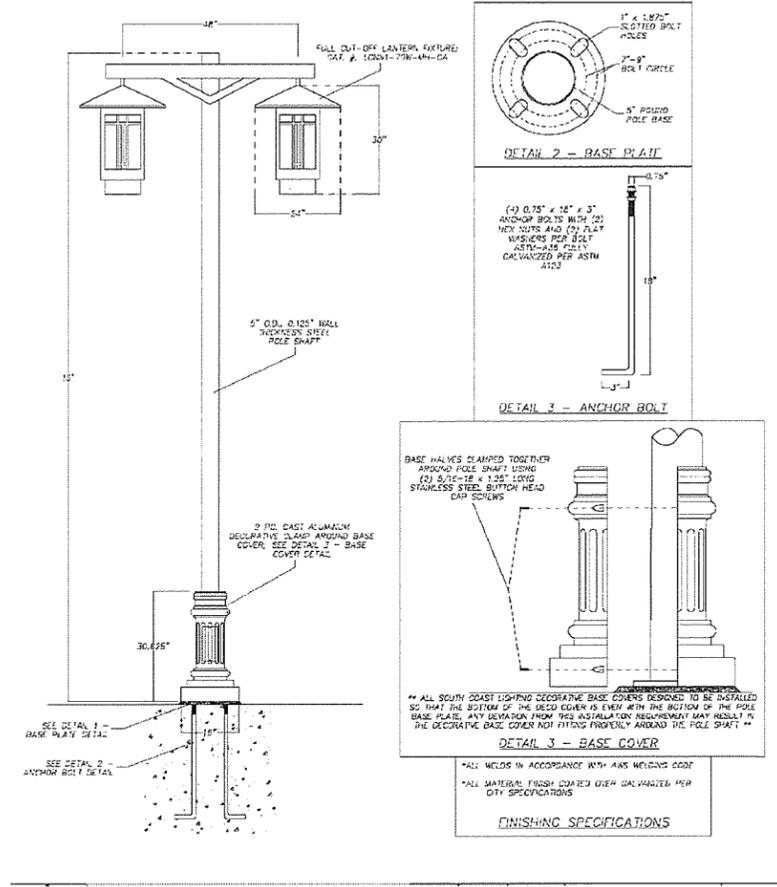
LUMINAIRE SPECIFICATIONS
 CATALOGUE NO.: K366-P-S-OAC-V-40W-LDTS37(MED)-120-277V
 QUANTITY: 1
 FIXTURE MOUNTING: PENDANT
 SHROUD CONFIG: SINGLE SHROUD
 INPUT WATTAGE: 40W
 OPTICAL SYSTEM: OPEN ACRYLIC CLEAR
 IES CLASS: TYPE V
 SOCKET TYPE: MEDIUM
 LIGHT SOURCE: SOLID STATE LED
 LINE VOLTAGE: 120-277V
 PAINT: TEXTURED
 OPTIONS: -
ARM SPECIFICATIONS
 CATALOGUE NO.: KAS1-S
 QUANTITY: 1
 TYPE: MARINA
 MATERIAL: ALUMINUM
 PAINT: TEXTURED

CUSTOMER APPROVAL & DATE:
 King Luminaire - Stresscrete - Est. 1993
 King Luminaire - Stresscrete - Est. 1993
 Stresscrete Order No.: -
 Project/Client: AGOURA ROAD PROJECT
 Drawn By: A. ALVAREZ
 Checked By: SCI
 Date: 10/12/12
 Revision: A
 Drawing No.: 206A6580-4
 Drawing Type: CONCEPT DVG

40W LUMINAIRE - DETAIL "B"
NTS



DECORATIVE ROADWAY LIGHTING - DETAIL "C"
NTS



DECORATIVE ROADWAY LIGHTING - DETAIL "D"
NTS

SOUTH COAST LIGHTING & DESIGN 1301 CALLE AVANZADO, SAN CLEMENTE, CA 95073 VOICE - 848.276.8850 / FAX - 848.276.8856 GARY@SOUTHCOSTLIGHTING.COM / WWW.SOUTHCOSTLIGHTING.COM DUE TO CONTINUING IMPROVEMENTS, SOUTH COAST LIGHTING & DESIGN HAS RESERVED THE RIGHT TO CHANGE DIMENSIONS, DESIGN, AND CONSTRUCTION FROM THAT WHICH IS SHOWN IN THIS BROCHURE. CONTACT FACTORY FOR DETAILED ENGINEERING DRAWINGS.	DRAWN BY: R.R. CHECKED BY: - APPROVED BY: - CUSTOMER: AGOURA HILLS	CATALOG # BOSTE2438/FL210-850E900CA/WCO-62/LED DATE 1.1.12 PROJECT NAME ROADWAY & SIGNAL DRAWING NUMBER: 12-S00001-010112-3 SHEET NUMBER: 1 OF 1
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:
Kimley»Horn
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 660 South Figueroa Street, Suite 2050, Los Angeles, CA 90017
 Tel (213) 261-4040

PREPARED BY: NICOLE DIAS
 R.C.E. CB6490
 DATE: _____

REVIEWED BY:
 CHARMINE YAMBAO
 ASSOCIATE CIVIL ENGINEER
 DATE: _____

APPROVED BY:
 RAMIRO ADEVA
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
 DATE: _____

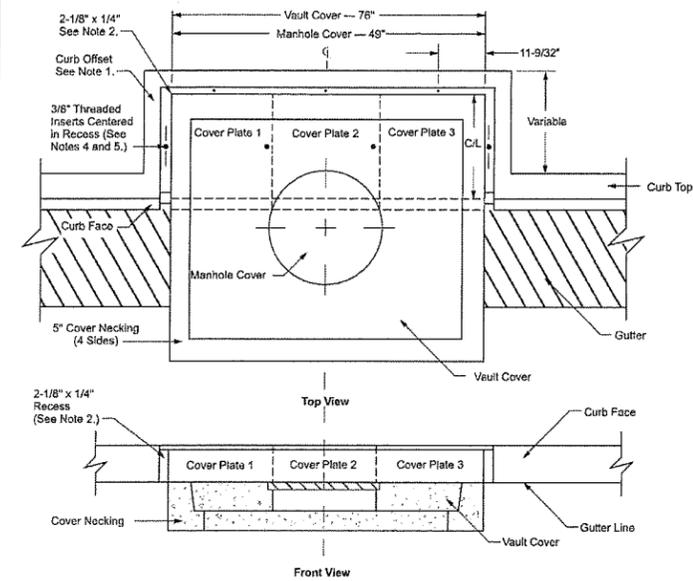
CITY OF
AGOURA HILLS

KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 CONSTRUCTION DETAILS

DESIGNED BY: ND
 DRAWN BY: CG
 CHECKED BY: AC
 KHA JOB NUMBER: 099083026
 SHEET: 16 OF 43

MC 870 Removable Curb for 4' x 5' Vault Covers and Manhole Covers
Scope MC 870.1 Removable Curb for 4' x 5' Vault Covers and Manhole Covers

Figure MC 870-1: Removable Curb for 4' x 5' Vault Covers and Manhole Covers



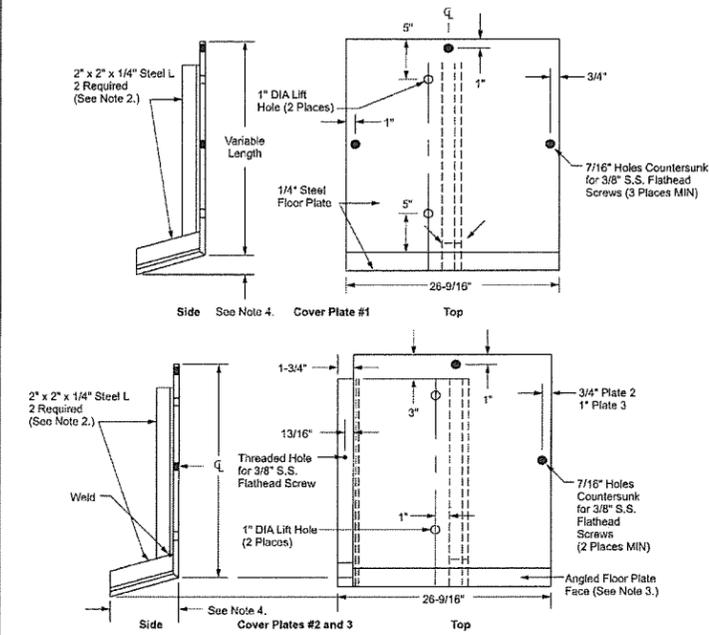
- Notes:**
- The three-sided offset curbing around the vault necking, or manhole necking, shall be constructed to the dimensions of the existing or proposed curbing.
 - A 2-1/8" wide by 1/4" deep recess shall be placed on top of the offset curb, and curb face, as shown on the drawing.
 - Three plate covers are required for 4' x 5' vault covers. Manhole covers require two plate covers (plate #1 and 3).
 - Threaded 3/8" inserts shall be placed in the 2-1/8" wide curb recesses, to the dimensions shown on the "Top View" drawing. A minimum of five inserts are required for the 4' x 5' vault cover, four for a manhole cover.
 - Whenever the plate depth exceeds 36", an additional insert, equally spaced, shall be placed into the recess of the offset curbing sides.
 - For steel cover plate details, see Scope MC 870.2 (Sheet 2).

Approved by:	Removable Curb for 4' x 5' Vault Covers and Manhole Covers	MC 870
Effective Date:	10-23-2015	Sheet 1 of 2
What's Changed?		UGS
		► SCE Public ◀

REMOVABLE CURB DETAIL
NTS

Scope MC 870.2 Removable Curbing (Steel Cover Plates)

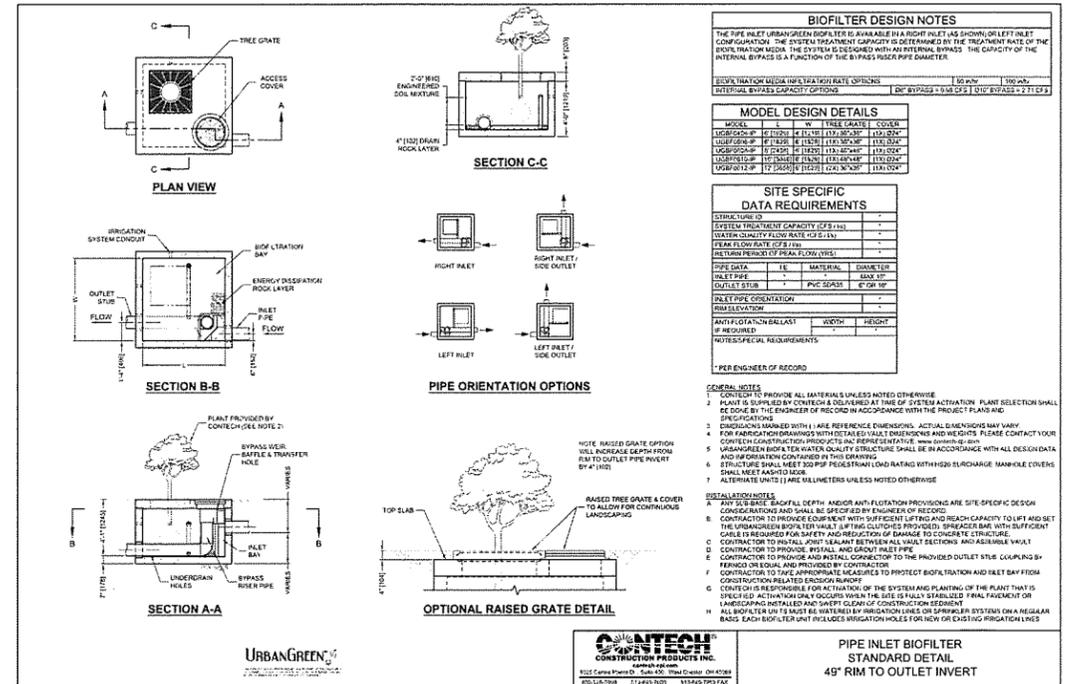
Figure MC 870-2: Removable Curbing (Steel Cover Plates)



- Notes:**
- Nonskid 1/4" thick steel floor plates shall be constructed to the dimensions shown. See MC 800 for plate location sequence on curb offset.
 - The 2' x 2' x 1/4" steel L shall be welded to the top and angled floor plate face.
 - Angled floor plate face may be bent or welded in place to the top plate.
 - Angle and depth of floor plate face shall match standard curb.
 - A minimum of seven 3/8" stainless steel flathead screws are required for the 4' x 5' vault cover plates, and a minimum of five screws for the manhole plates.
 - Covers to be hot dip galvanized per ASTM A123 after fabrication.

Approved by:	Removable Curb for 4' x 5' Vault Covers and Manhole Covers	MC 870
Effective Date:	10-23-2015	Sheet 2 of 2
What's Changed?	Note 6 was updated for clarity.	UGS
		► SCE Public ◀

REMOVABLE CURBING (STEEL
COVER PLATES) DETAIL
NTS



URBANGREEN BIOFILTER
STANDARD DETAIL
NTS

PREPARED BY:

Kimley»Horn

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Tel (213) 261-4040

NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:

CHARMAINE YAMBAO DATE
ASSOCIATE CIVIL ENGINEER

APPROVED BY:

RAMIRO ADEVA DATE
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



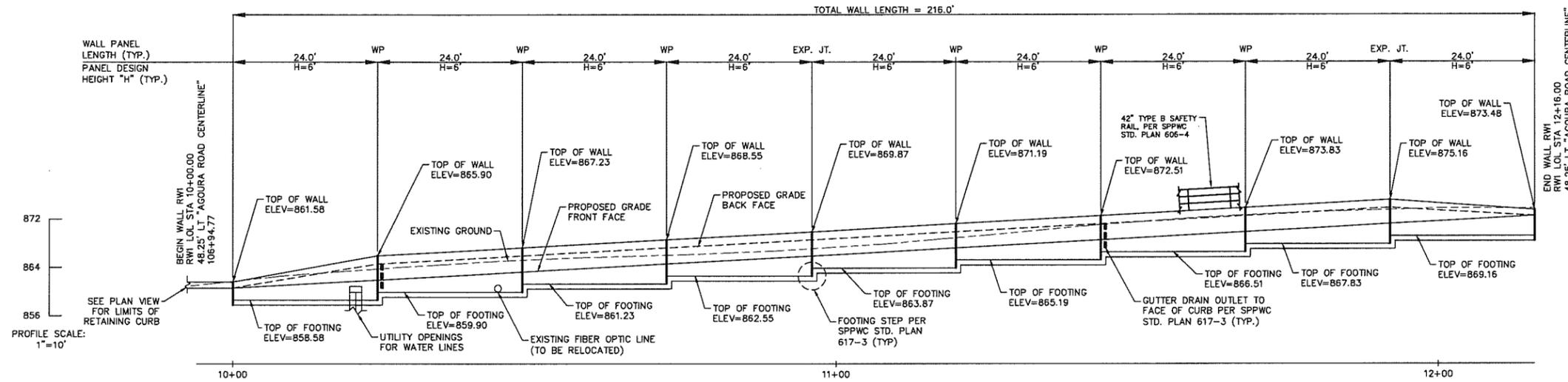
KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS
CONSTRUCTION DETAILS

DESIGNED BY: ND
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CHECKED BY: AC

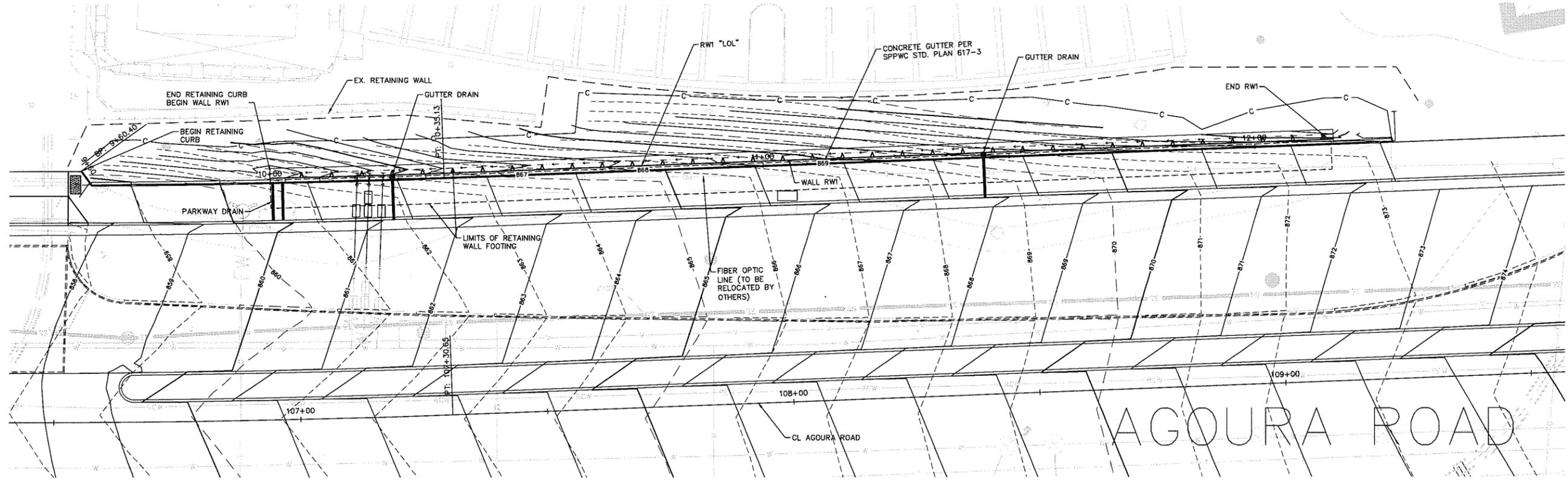
KHA JOB NUMBER: 099083026

SHEET 17 OF 43

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE



WALL RW1 PLAN
SCALE: 1" = 10'



WALL RW1 DEVELOPED ELEVATION
SCALE: 1" = 10'

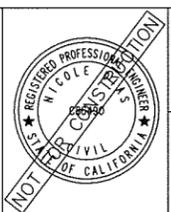
GENERAL NOTES

1. FOR RETAINING WALL TYPICAL SECTION AND DIMENSIONS CORRESPONDING TO "H" SHOWN ON WALL ELEVATION, SEE SPPWC STD. PLAN 613-4.
2. FOR RETAINING WALL FOOTING STEP DETAILS AND JOINT DETAILS SEE SPPWC STD. PLAN 617-3.
3. FOR WALL GUTTER OUTLET TO CURB DETAIL SEE SPPWC STD. PLAN 617-3
4. EXCAVATION AND BACKFILL LIMITS PER TYPICAL SECTION.
5. WALL LENGTH MEASURED ALONG WALL LAYOUT LINE.
6. FOR 42" TYPE B SAFETY RAIL DETAIL SEE SPPWC STD. PLAN 606-4.
7. FOR UTILITY OPENING DETAILS SEE SPPWC STD. PLAN 617-3.

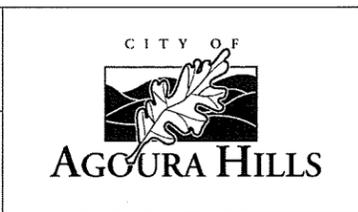
RW-1

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

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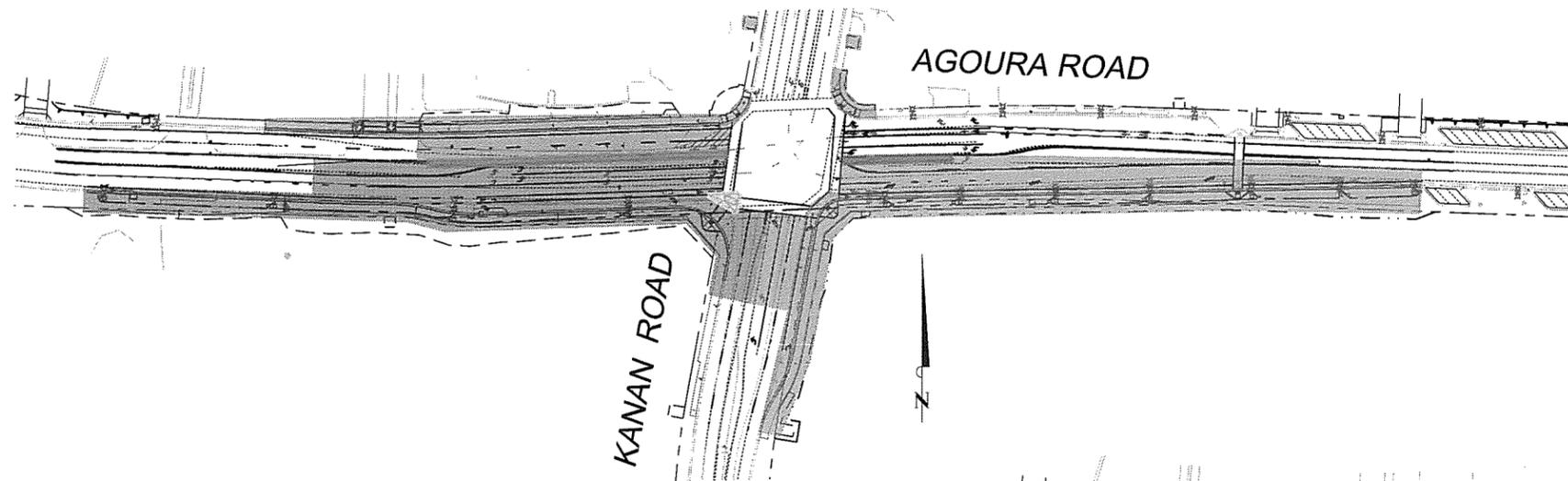
REVIEWED BY:
 CHARMINE YAMBAO
 ASSOCIATE CIVIL ENGINEER
 DATE
 APPROVED BY:
 RAMIRO ADEVA
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
 DATE



KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 RETAINING WALL PLANS

DESIGNED BY: ND
 DRAWN BY: CG
 CHECKED BY: AC
 KHA JOB NUMBER: 099083026
 SHEET 18 OF 43

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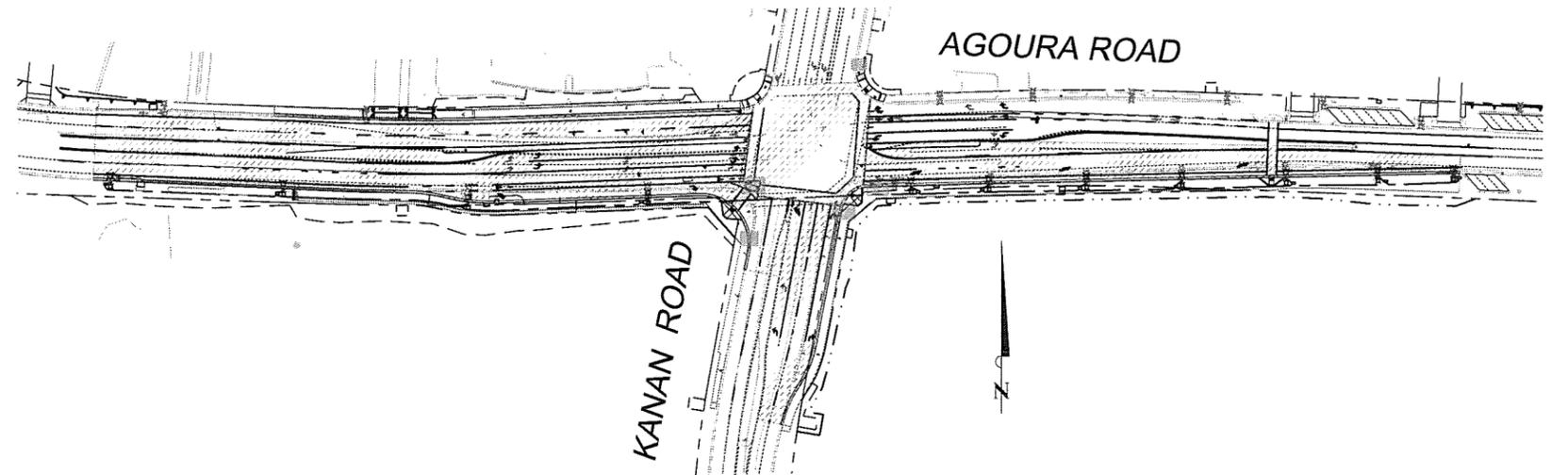


CONSTRUCTION PHASES 3, 4, & 5

- 
PHASE 3
 INSTALL TRAFFIC SIGNALS AND OTHER NECESSARY EQUIPMENT AS INDICATED ON PLANS.
- 
PHASE 4
 CONSTRUCT ASPHALT OVERLAY.
- PHASE 5A**
 REMOVE INTERSECTION PAVEMENT.
- PHASE 5B**
 INSTALL DECORATIVE PAVEMENT.

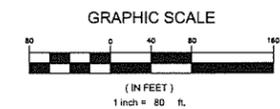
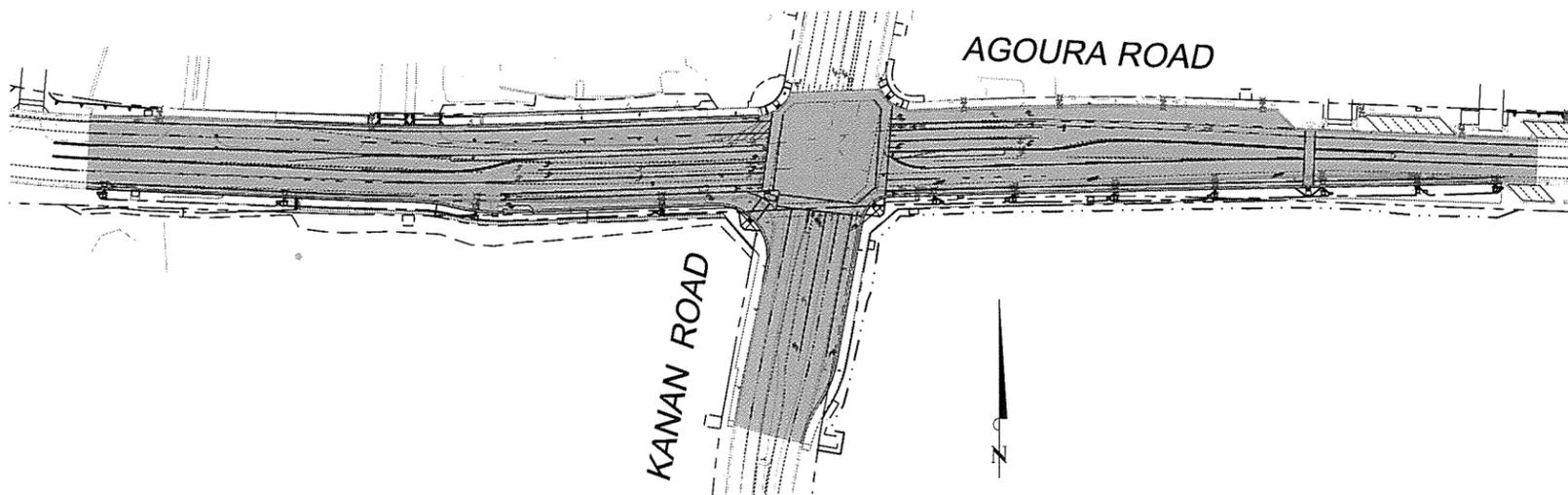
CONSTRUCTION PHASES 1 & 2

- 
PHASE 1A - NORTHWEST SECTION
 REMOVE EXISTING CURB, GUTTER, AND ADA RAMP. RECONSTRUCT CURB, GUTTER, ADA RAMP, AND CONCRETE PAVEMENT. CONSTRUCT RETAINING WALL AND PILASTERS. RELOCATE ANY OAK TREES, EXISTING SIGNS, POSTS, STREET LIGHTS, ETC. AS INDICATED ON PLANS. INSTALL TEMPORARY TRAFFIC SIGNALS.
- 
PHASE 1B - NORTHEAST SECTION
 REMOVE AND RECONSTRUCT EXISTING ADA RAMP. CONSTRUCT PILASTERS. RELOCATE ANY EXISTING SIGNS, POSTS, STREET LIGHTS, ETC. AS INDICATED ON PLANS. INSTALL TEMPORARY TRAFFIC SIGNALS.
- 
PHASE 1C - SOUTHWEST SECTION
 REMOVE EXISTING CURB, GUTTER, AND RAMP. RECONSTRUCT CURB, GUTTER, RAMP, AND CONCRETE PAVEMENT. RELOCATE ANY SIGNS, POSTS, STREET LIGHTS, ETC. AS INDICATED ON PLANS. INSTALL TEMPORARY TRAFFIC SIGNALS.
- 
PHASE 1D - SOUTHEAST SECTION
 REMOVE EXISTING CURB, GUTTER, AND RAMP. RECONSTRUCT CURB, GUTTER, RAMP, AND CONCRETE PAVEMENT. RELOCATE ANY SIGNS, POSTS, STREET LIGHTS, ETC. AS INDICATED ON PLANS. INSTALL TEMPORARY TRAFFIC SIGNALS.
- 
PHASE 2A - EAST LEG
 CONSTRUCT MEDIAN ON EAST LEG OF AGOURA ROAD.
- 
PHASE 2B - WEST LEG
 CONSTRUCT MEDIAN ON WEST LEG OF AGOURA ROAD.
- PHASE 2C**
 CONSTRUCT PEDESTRIAN REFUGE ISLAND "PORKCHOP" AT SOUTHWEST CORNER.



CONSTRUCTION PHASE 6

- 
 INSTALL TRAFFIC SIGNING AND PAVEMENT STRIPING AS INDICATED ON PLANS.



CP-1

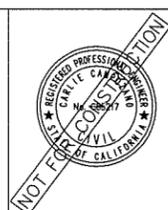
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:

Kimley»Horn

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CARLIE CAMPUZANO R.C.E. C85217 DATE

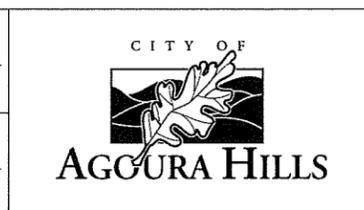


REVIEWED BY:

CHARMAINE YAMBAO 8/4/15 DATE
 ASSOCIATE CIVIL ENGINEER

APPROVED BY:

RAMIRO ADEVA 8/4/15 DATE
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



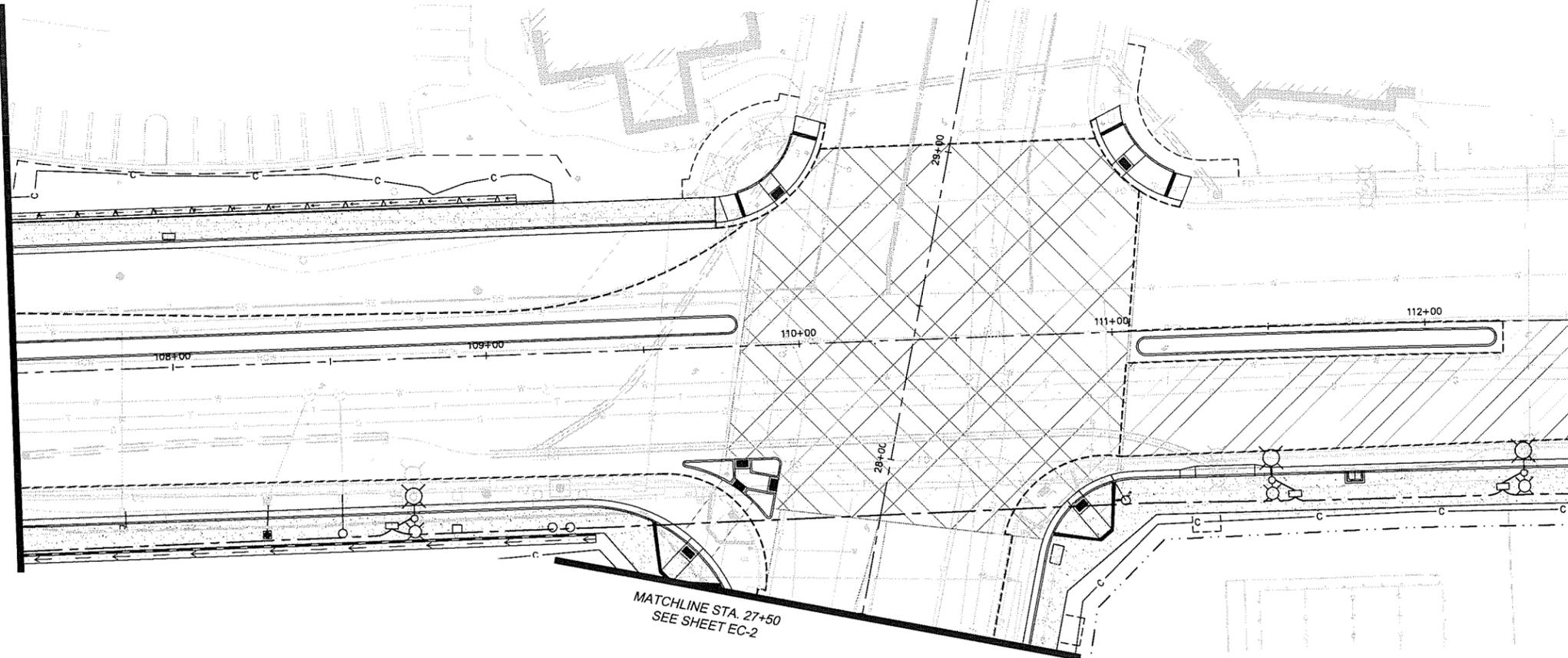
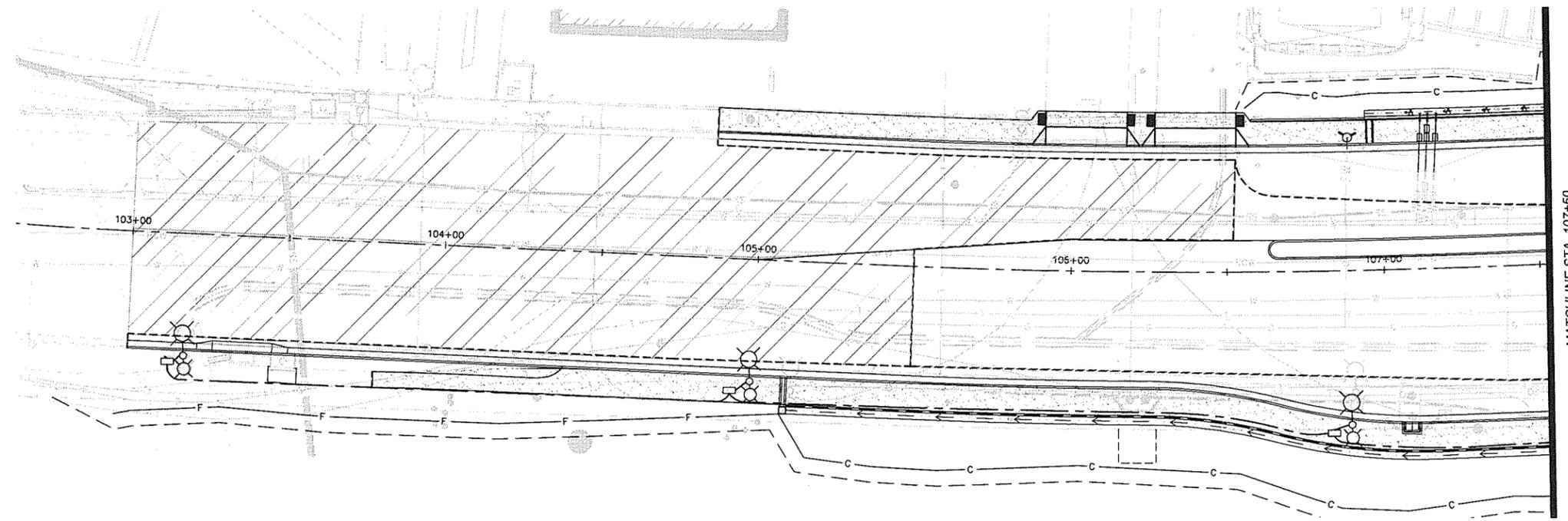
KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS

CONSTRUCTION PHASING PLAN

DESIGNED BY: CC DRAWN BY: RP CHECKED BY: SC KHA JOB NUMBER: 099083026

SHEET 19 OF 43

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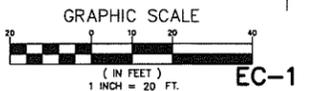


MATCHLINE STA. 107+50
SEE BELOW

MATCHLINE STA. 107+50
SEE ABOVE

MATCHLINE STA. 112+50
SEE SHEET EC-2

MATCHLINE STA. 27+50
SEE SHEET EC-2



EC-1

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 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

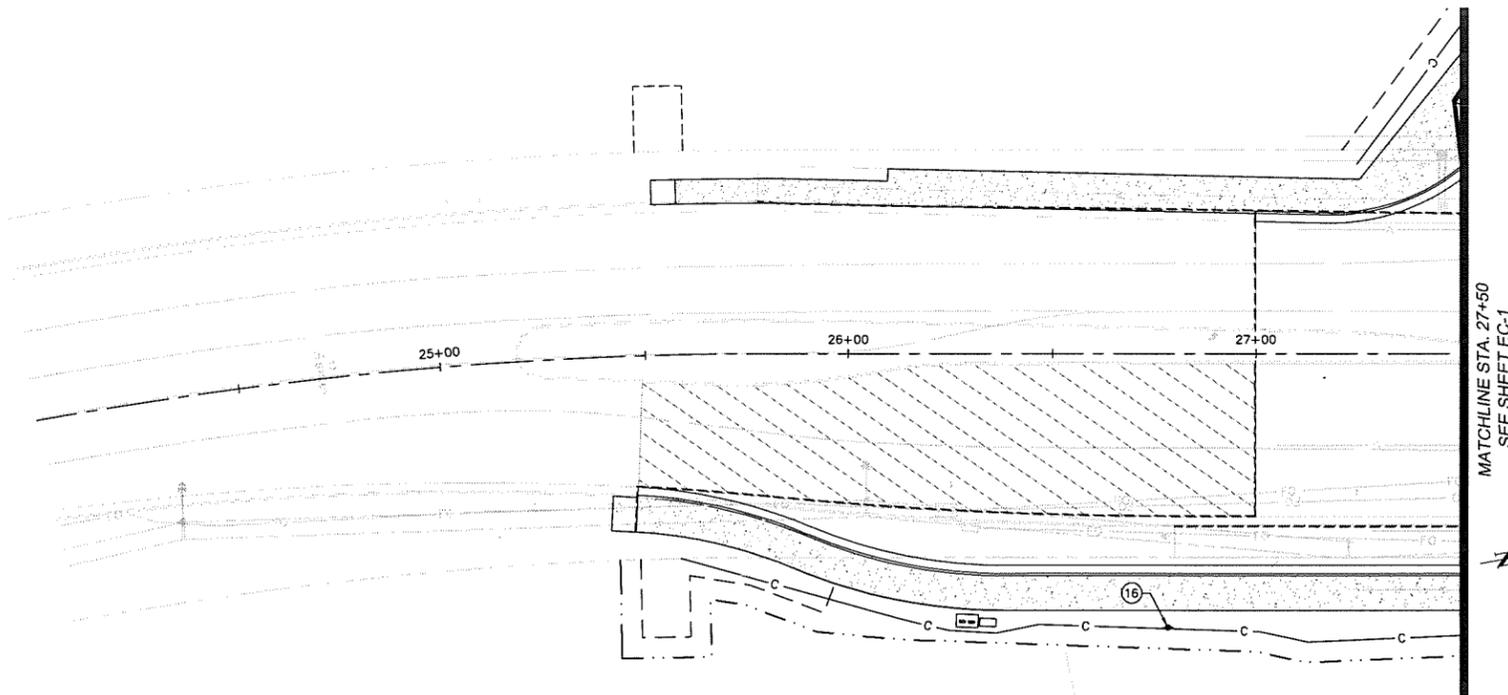
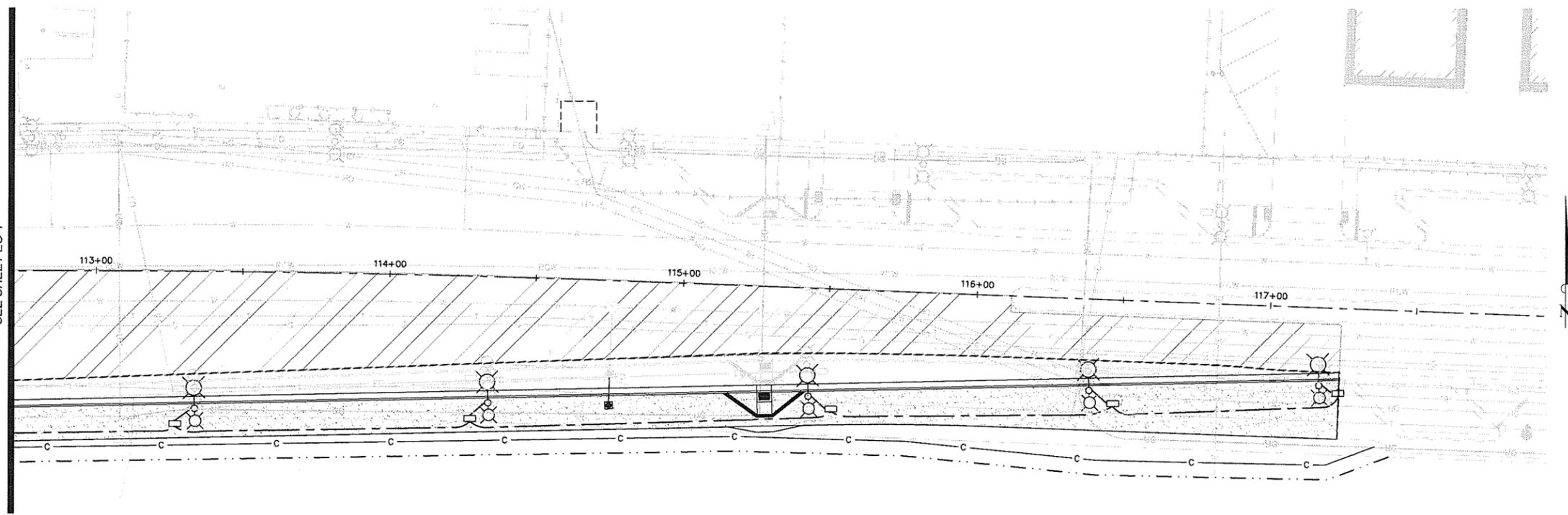


KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 EROSION CONTROL PLANS

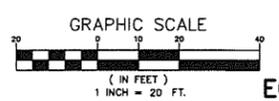
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MATCHLINE STA. 112+50
SEE SHEET EC-1



MATCHLINE STA. 27+50
SEE SHEET EC-1



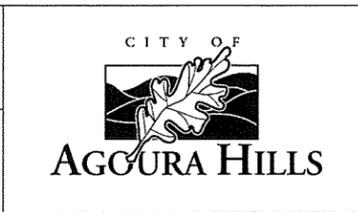
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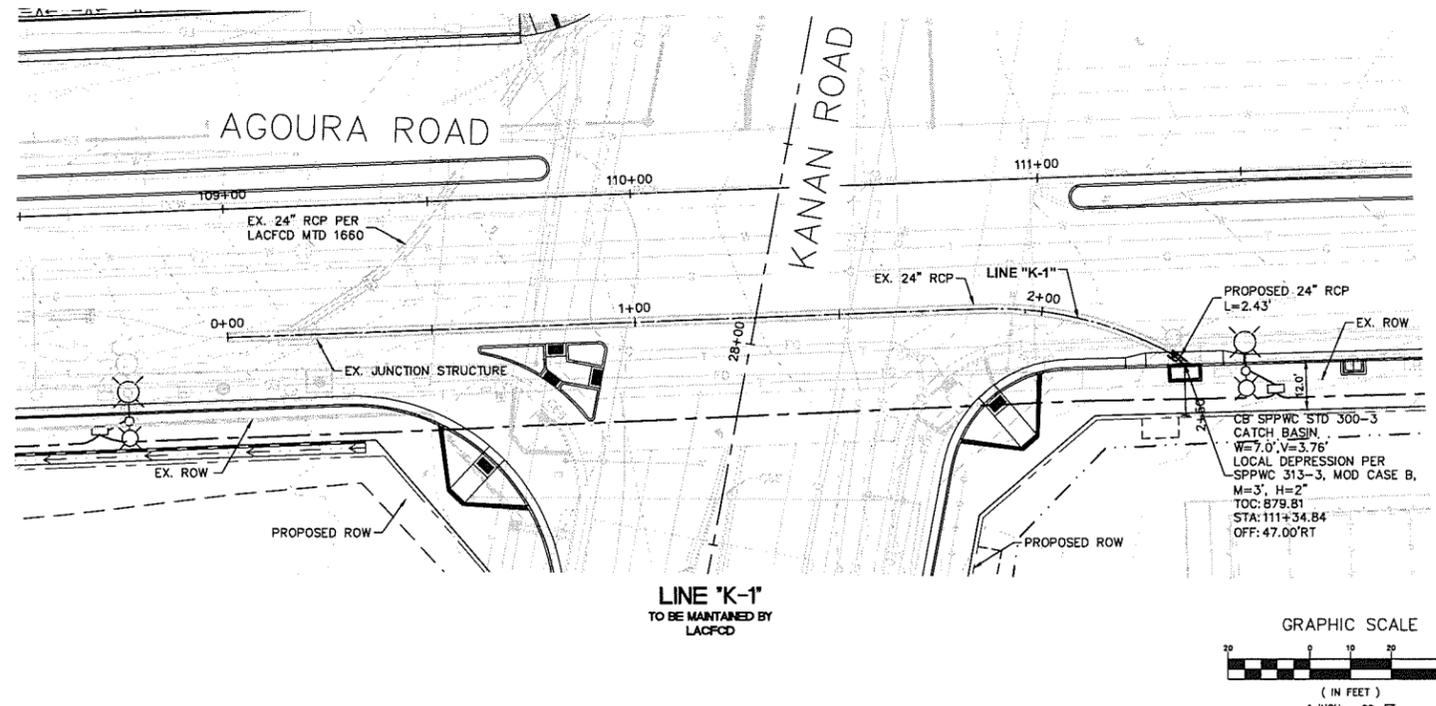
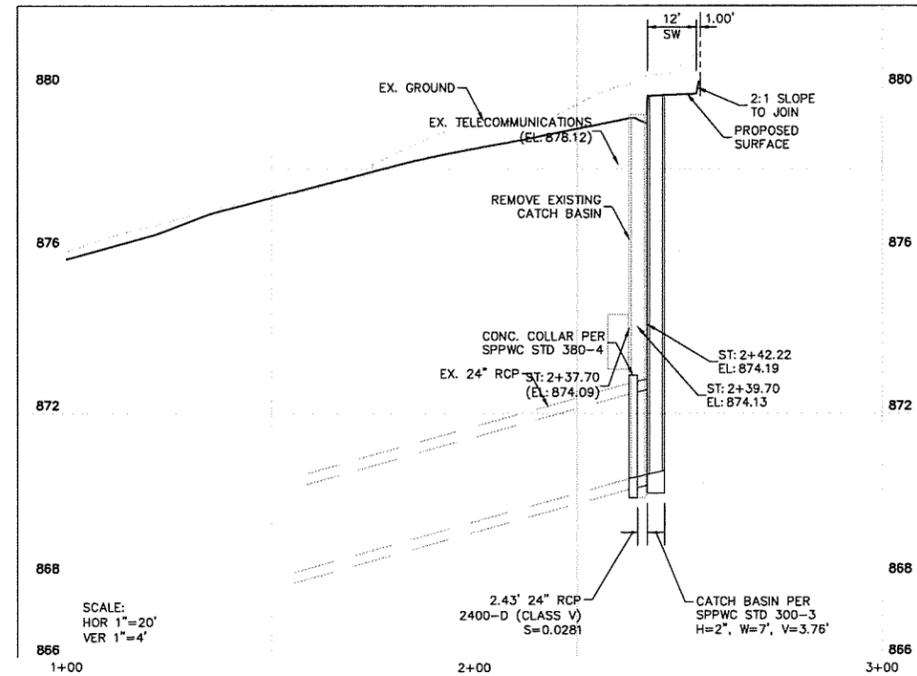
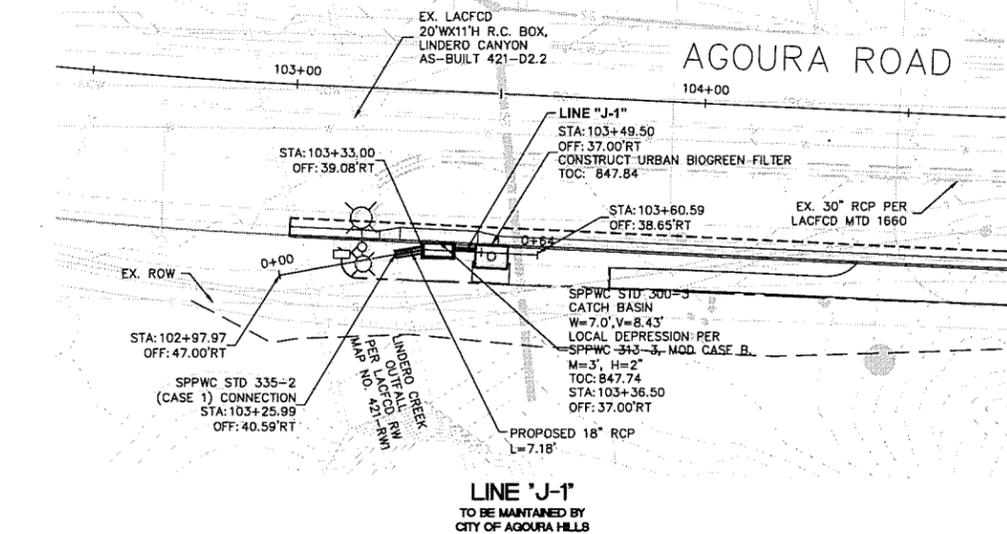
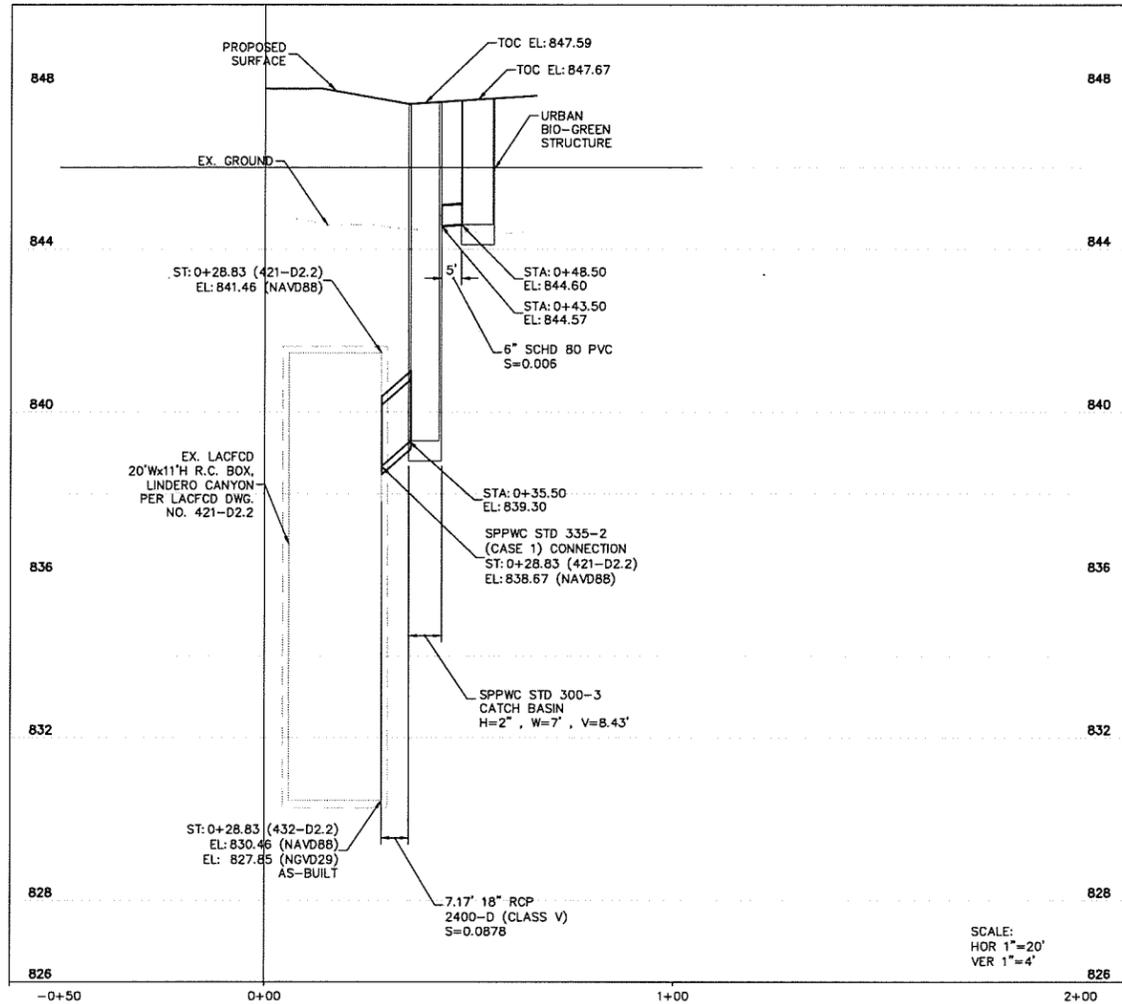


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 APPROVED BY:
 RAMIRO ADEVA DATE
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KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 EROSION CONTROL PLANS
 DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026
 SHEET 21 OF 43

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- NOTES**
1. ALL CATCH BASIN STATION AND OFFSET LOCATIONS ARE BASED ON THE CENTER OF THE CB AT THE FACE OF CURB.
 2. ALL STATION AND OFFSETS SHOWN IN PLAN ARE BASED ON AGOURA ROAD ALIGNMENT

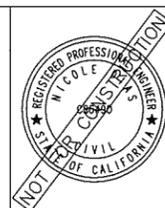
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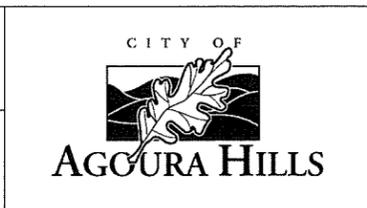


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CHARMAINE YAMBABO DATE
ASSOCIATE CIVIL ENGINEER

APPROVED BY:

RAMIRO ADEVA DATE
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

STORM DRAIN PLANS

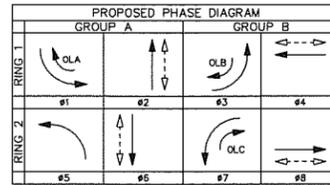
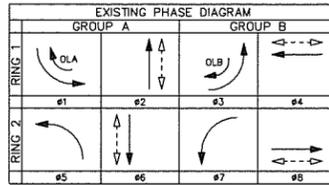
DESIGNED BY: ND DRAWN BY: CG CHECKED BY: AC KHA JOB NUMBER: 099083026

SHEET 22 OF 43

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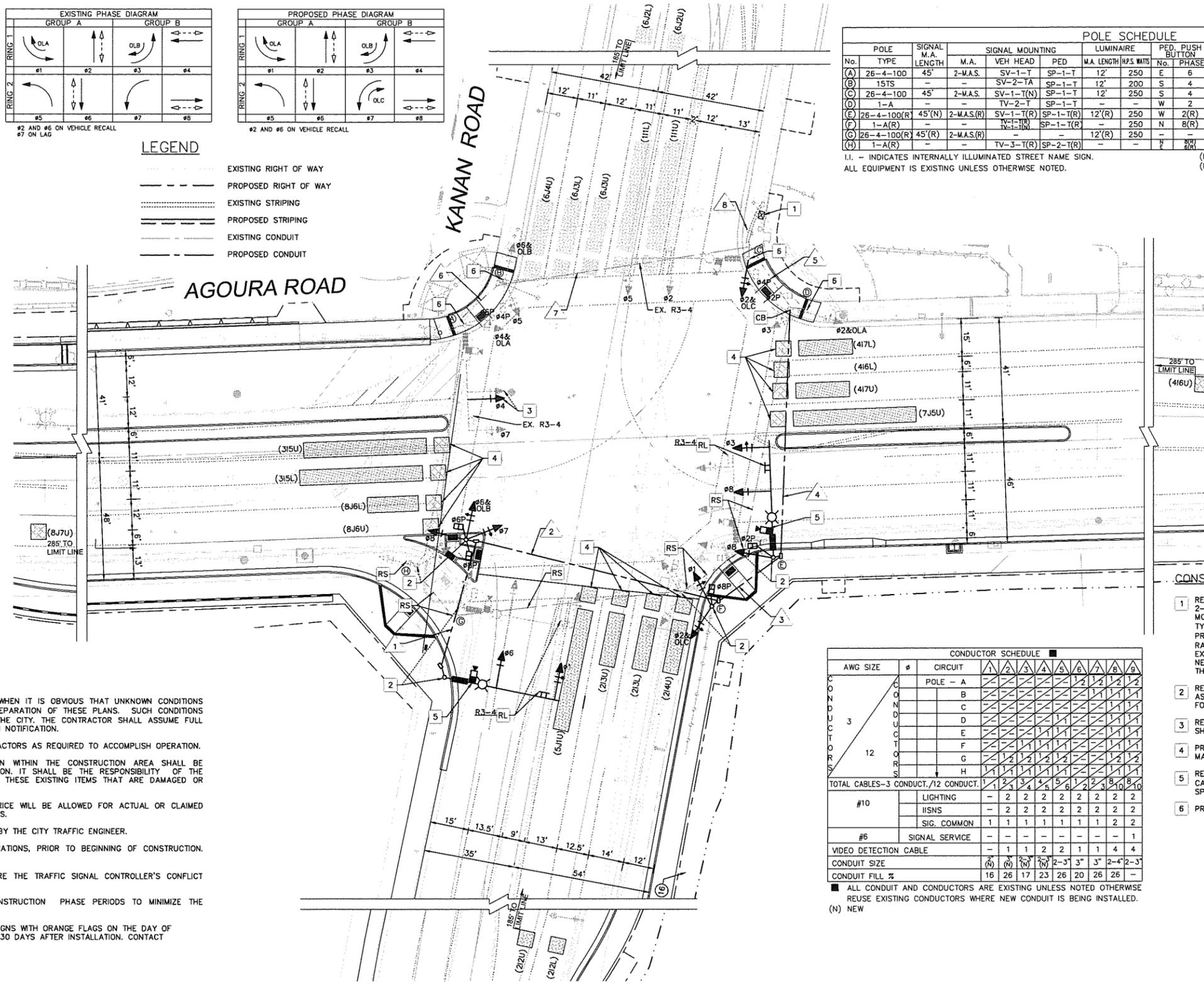
GENERAL NOTES:

- TRAFFIC SIGNAL AND HIGHWAY SAFETY LIGHTING SYSTEMS SHALL CONFORM TO 2010 CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS, AS SHOWN HEREON AND IN THE SPECIAL PROVISIONS.
- ALL MATERIAL AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- ALL SIGNAL EQUIPMENT SHALL BE RE-WIRED IN ACCORDANCE WITH THE NEW PROPOSED SIGNAL PHASE DIAGRAM.
- INDICATES BICYCLE DETECTION ZONE.
- CONDUIT SHALL BE 3" GALVANIZED RIGID UNLESS OTHERWISE SPECIFIED.
- PULL BOXES SHALL BE SIZE No. 6E UNLESS OTHERWISE SPECIFIED.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- POLE LOCATIONS SHOWN HEREON ARE NEW.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 811, 48 HOURS PRIOR TO EXCAVATION. NO EXCAVATION SHALL BEGIN PRIOR TO THE MARKING OF UTILITY LOCATIONS.
- UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF THE UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE OR INTERFERE WITH THEIR SERVICE.
- FOR SIGNING AND STRIPING SEE SIGNING AND STRIPING SHEETS.
- THIS PLAN IS ACCURATE FOR TRAFFIC SIGNAL WORK ONLY.
- ALL VEHICLE HEADS SHALL HAVE 12" LENSES WITH LOUVER SLOTTED BACKPLATES AND TYPE 1 "LED" INDICATIONS. USE DIALIGHT MODEL 433 SERIES, OR APPROVED EQUAL.
- VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURER REPRESENTATIVE SHALL BE PRESENT DURING THE INSTALLATION OF THE VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
- DETECTION ZONES SHALL BE CENTERED IN THE LANE AND ADJACENT TO CROSSWALK UNLESS OTHERWISE NOTED.
- INDICATES PROPOSED VIDEO DETECTION ZONE.
- INDICATES VIDEO DETECTION CAMERA.
- VEHICLE HEAD MOUNTINGS, PEDESTRIAN HEAD MOUNTINGS, PULL BOXES AND CONTROLLER ASSEMBLY SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION.
- THE HEIGHT OF ALL PEDESTRIAN PUSH BUTTONS SHALL BE 3"-4" FROM THE GROUND. ALL PED PUSH BUTTONS SHALL BE ACCOMPANIED WITH R10-3E SIGN PLATES AND SHALL BE POLARA EZ COMMUNICATOR ACCESSIBLE PEDESTRIAN SIGNAL (APS) OR CITY APPROVED EQUAL.
- PEDESTRIAN SIGNAL HEAD SHALL BE LED COUNTDOWN TYPE.
- LOCATE ALL SUBSTRUCTURES PRIOR TO CONSTRUCTION. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTIONS. COORDINATE POLE INSTALLATIONS WITH OVERHEAD UTILITY OR SUBSTRUCTURE OWNERS.
- CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS SHOWN WHEN IT IS OBVIOUS THAT UNKNOWN CONDITIONS AND/OR OBJECTS EXIST THAT MAY NOT HAVE BEEN KNOWN DURING THE PREPARATION OF THESE PLANS. SUCH CONDITIONS AND/OR OBJECTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH OPERATION.
- ALL EXISTING IMPROVEMENTS, MATERIALS AND PLANT MATERIAL TO REMAIN WITHIN THE CONSTRUCTION AREA SHALL BE PROPERLY AND ADEQUATELY PROTECTED FROM DAMAGE DURING CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE TO ORIGINAL CONDITION OR REPLACE IN KIND OF THESE EXISTING ITEMS THAT ARE DAMAGED OR DISTURBED IN ANY WAY, AT NO COST TO THE CITY.
- CONTRACTOR SHALL VISIT SITE PRIOR TO BID. NO CHANGE ON CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING SITE CONDITIONS AND THOSE SHOWN ON PLANS.
- ANY MODIFICATIONS OF OR CHANGE IN APPROVED PLANS MUST BE APPROVED BY THE CITY TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL OBTAIN TIMING SHEET FOR TRAFFIC SIGNAL MODIFICATIONS, PRIOR TO BEGINNING OF CONSTRUCTION. CONTACT CHARMAINE YAMBAO AT (818) 597-7360.
- CONTRACTOR SHALL HAVE A CERTIFIED TRAFFIC SIGNAL TECHNICIAN HARDWIRE THE TRAFFIC SIGNAL CONTROLLER'S CONFLICT MONITOR TO MONITOR FOR AN ENTRAPMENT SITUATION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE TIMELY CONSTRUCTION PHASE PERIODS TO MINIMIZE THE INTERSECTION TO OPERATE ON RECALL MODE.
- CONTRACTOR SHALL FURNISH AND INSTALL SPECIAL "NEW TRAFFIC PATTERN" SIGNS WITH ORANGE FLAGS ON THE DAY OF TURN-ON AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL REMOVE SIGNS 30 DAYS AFTER INSTALLATION. CONTACT CITY OF AGOURA HILLS FOR SIGN DETAIL.



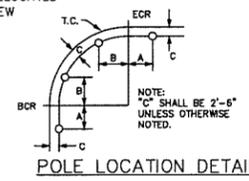
LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- EXISTING STRIPING
- PROPOSED STRIPING
- EXISTING CONDUIT
- PROPOSED CONDUIT



POLE SCHEDULE														
POLE No.	TYPE	SIGNAL M.A. LENGTH	M.A.	VEH HEAD	SP	LUMINAIRE M.A. LENGTH	HPS WATS	PEDESTRIAN PUSH BUTTON No.	PHASE	STREET NAME SIGN TYPE	LEGEND	POLE LOCATION		
(A)	26-4-100	45'	2-M.A.S.	SV-1-T	SP-1-T	12'	250	E	6	I.I.	KANAN RD	A	B	C
(B)	15TS	-	-	SV-2-TA	SP-1-T	12'	200	S	4	-	-	-	-	-
(C)	26-4-100	45'	2-M.A.S.	SV-1-T(N)	SP-1-T	12'	250	S	4	I.I.	AGOURA RD	-	-	-
(D)	1-A	-	-	TV-2-T	SP-1-T	-	-	W	2	-	-	-	-	-
(E)	26-4-100(R)	45'(N)	2-M.A.S.(R)	SV-1-T(R)	SP-1-T(R)	12'(R)	250	W	2(R)	I.I.	KANAN RD (R)	-	-	-
(F)	1-A(R)	-	-	TV-1-T(N)	SP-1-T(R)	-	250	N	8(R)	-	-	-	-	-
(G)	26-4-100(R)	45'(R)	2-M.A.S.(R)	-	-	12'(R)	250	-	-	I.I.	AGOURA RD(R)	-	-	-
(H)	1-A(R)	-	-	TV-3-T(R)	SP-2-T(R)	-	-	N	8(R)	-	-	-	-	-

I.I. - INDICATES INTERNALLY ILLUMINATED STREET NAME SIGN. (R) RELOCATED (N) NEW
ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE NOTED.

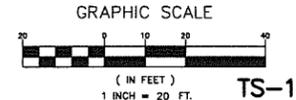


CONSTRUCTION NOTES

- REUSE EXISTING 332 CABINET COMPLETE WITH 2-CHANNEL ILD SENSOR UNITS, PED ISOLATION MODULES, AND SWITCH PACKS. REUSE EXISTING TYPE 170 ATC/HC11 CONTROLLER, LACO-4E PROGRAM, GPS UNIVERSAL TIME BASE UNIT, (4) RACK MOUNTED VIDEO IMAGE PROCESSORS, (2) EXTENSION MODULES, AND ALL APPURTENANCES NECESSARY TO PROVIDE THE OPERATION SHOWN ON THE PLAN.
- RELOCATE EXISTING POLE AND SIGNAL EQUIPMENT AS SHOWN TO NEW FOUNDATION. REMOVE EXISTING FOUNDATION.
- RELOCATE EXISTING TRAFFIC SIGNAL HEAD AS SHOWN.
- PROGRAM BICYCLE VIDEO DETECTION ZONE PER MANUFACTURER SPECIFICATIONS.
- RESET ITERIS VANTAGE EDGE 2 VIDEO DETECTION CAMERA ON LUMINAIRE ARM PER MANUFACTURER'S SPECIFICATIONS.
- PROTECT IN PLACE.

CONDUCTOR SCHEDULE											
AWG SIZE	#	CIRCUIT	1	2	3	4	5	6	7	8	9
CONDUCTOR	3	POLE - A	-	-	-	-	-	-	-	-	-
		B	-	-	-	-	-	-	-	-	-
		C	-	-	-	-	-	-	-	-	-
		D	-	-	-	-	-	-	-	-	-
		E	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-
		G	-	-	-	-	-	-	-	-	-
		H	-	-	-	-	-	-	-	-	-
TOTAL CABLES-3 CONDUCT./12 CONDUCT.			2	2	2	2	2	2	2	2	
#10	LIGHTING	-	2	2	2	2	2	2	2	2	
	IISNS	-	2	2	2	2	2	2	2	2	
	SIG. COMMON	1	1	1	1	1	1	1	1	1	
#6	SIGNAL SERVICE	-	-	-	-	-	-	-	-	-	
	VIDEO DETECTION CABLE	-	1	1	2	2	1	1	4	4	
CONDUIT SIZE			(N)	(N)	(N)	(N)	2-3"	3"	3"	2-4"	
CONDUIT FILL %			16	26	17	23	26	20	26	26	

ALL CONDUIT AND CONDUCTORS ARE EXISTING UNLESS NOTED OTHERWISE REUSE EXISTING CONDUCTORS WHERE NEW CONDUIT IS BEING INSTALLED. (N) NEW



REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:
Kimley»Horn
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Tel (213) 261-4040

CARLIE CAMPUZANO R.C.E. C85217 DATE

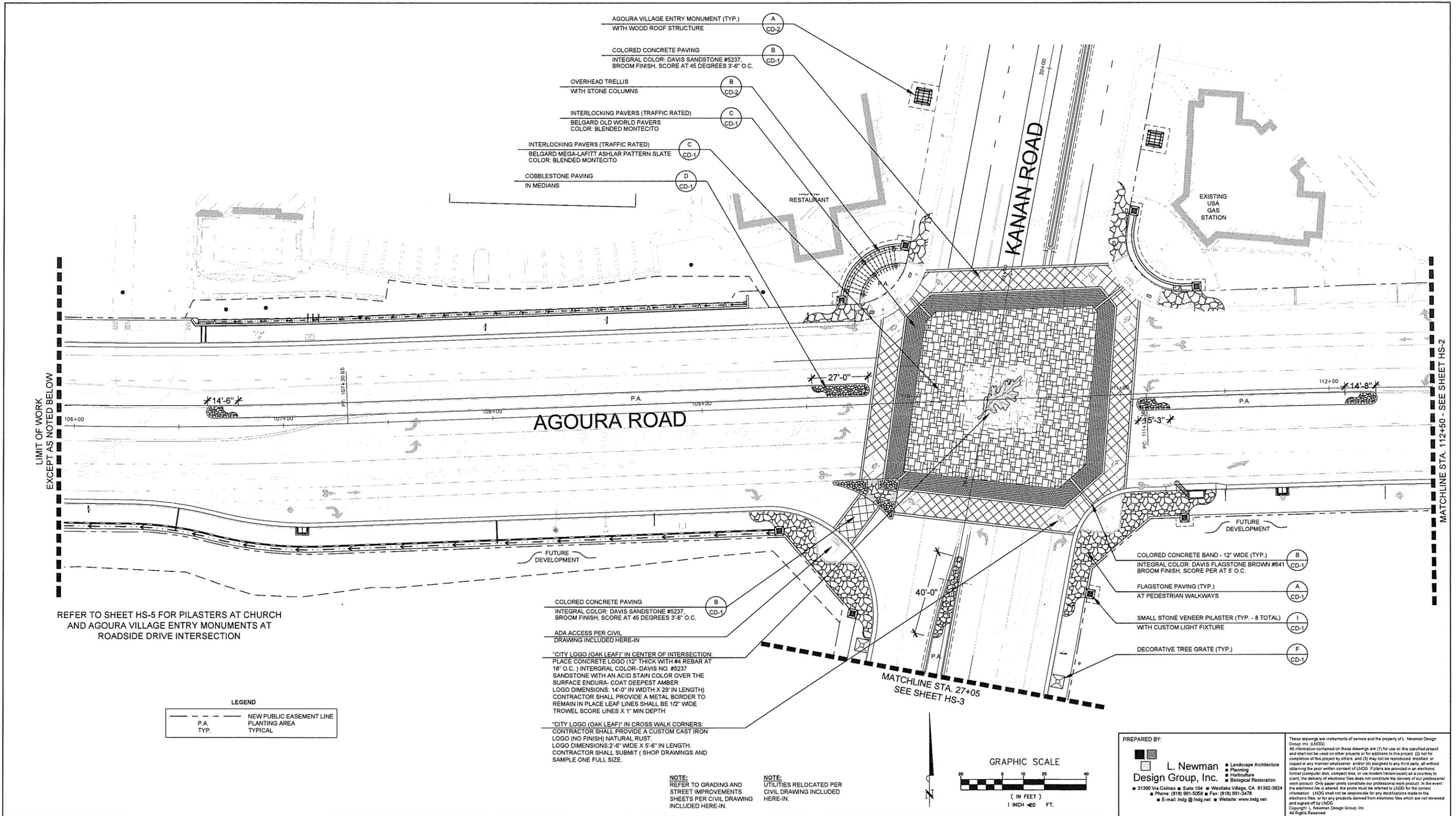
REVIEWED BY:
CHARMAINE YAMBAO 8/4/15 DATE
ASSOCIATE CIVIL ENGINEER

APPROVED BY:
RAMIRO ADEVA 8/4/15 DATE
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

CITY OF
AGOURA HILLS

KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS
TRAFFIC SIGNAL PLAN

DESIGNED BY: CC DRAWN BY: RP CHECKED BY: SC KHA JOB NUMBER: 099083026 SHEET 24 OF 43



LIMIT OF WORK EXCEPT AS NOTED BELOW

MATCHLINE STA. 112+50 - SEE SHEET HS-2

REFER TO SHEET HS-5 FOR PILASTERS AT CHURCH AND AGOURA VILLAGE ENTRY MONUMENTS AT ROADSIDE DRIVE INTERSECTION

LEGEND
 --- NEW PUBLIC EASEMENT LINE
 P.A. TYP. PLANTING AREA TYPICAL

COLORED CONCRETE PAVING
 INTEGRAL COLOR: DAVIS SANDSTONE #5237, BROOM FINISH, SCORE PER AT 5 O.C.

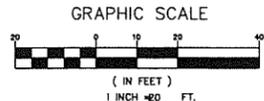
ADA ACCESS PER CIVIL DRAWING INCLUDED HERE-IN

"CITY LOGO (OAK LEAF)" IN CENTER OF INTERSECTION:
 PLACE CONCRETE LOGO (12" THICK WITH #4 REBAR AT 18" O.C.) INTEGRAL COLOR- DAVIS NO. #5237 SANDSTONE WITH AN ACID STAIN COLOR OVER THE SURFACE ENDURA- COAT DEEPEST AMBER LOGO DIMENSIONS: 14'-0" IN WIDTH X 29" IN LENGTH CONTRACTOR SHALL PROVIDE A METAL BORDER TO REMAIN IN PLACE LEAF LINES SHALL BE 1/2" WIDE TROWEL SCORE LINES X 1" MIN. DEPTH

"CITY LOGO (OAK LEAF)" IN CROSS WALK CORNERS:
 CONTRACTOR SHALL PROVIDE A CUSTOM CAST IRON LOGO (NO FINISH) NATURAL RUST LOGO DIMENSIONS: 2'-6" WIDE X 5'-6" IN LENGTH. CONTRACTOR SHALL SUBMIT (SHOP DRAWINGS AND SAMPLE ONE FULL SIZE.

NOTE:
 REFER TO GRADING AND STREET IMPROVEMENTS SHEETS PER CIVIL DRAWING INCLUDED HERE-IN.

NOTE:
 UTILITIES RELOCATED PER CIVIL DRAWING INCLUDED HERE-IN.



PREPARED BY:
L. Newman Design Group, Inc.

- Landscape Architecture
- Planning
- Horticulture
- Biological Restoration

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ROBERT BOMBARDIER RLA 2464 xx/xx/xx DATE



REVIEWED BY:
 CHARMINE YAMBABO 8/4/15 DATE
 ASSOCIATE CIVIL ENGINEER

APPROVED BY:
 RAMIRO ADEVA 8/4/15 DATE
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

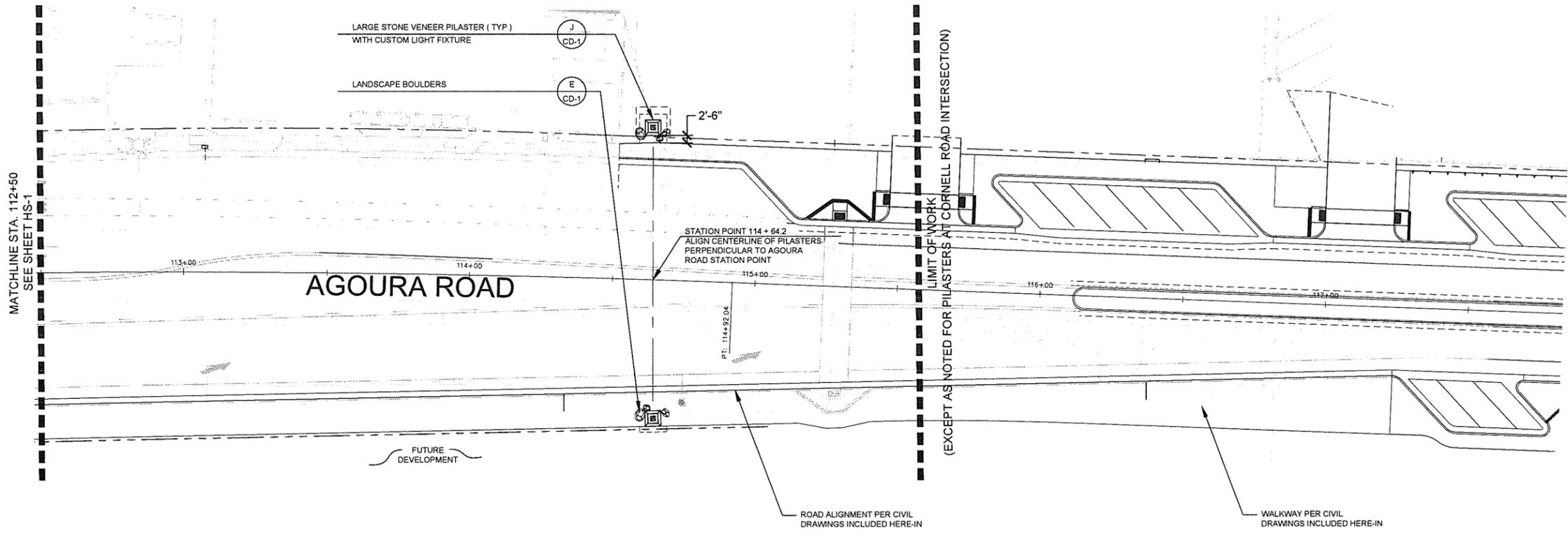


KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS

HARDSCAPE PLAN HS-1

DESIGNED BY: BB DRAWN BY: RK CHECKED BY: XX KHA JOB NUMBER: 099083026

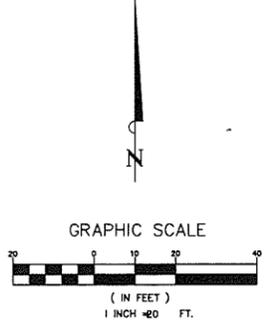
SHEET 25 OF 43



REFER TO SHEET HS-5 FOR AGOURA VILLAGE ENTRY MONUMENTS AT CORNELL ROAD INTERSECTION

LEGEND

---	NEW PUBLIC EASEMENT LINE
P.A.	PLANTING AREA TYPICAL



NOTE: REFER TO GRADING AND STREET IMPROVEMENTS SHEETS PER CIVIL DRAWING INCLUDED HERE-IN.

NOTE: UTILITIES RELOCATED PER CIVIL DRAWING INCLUDED HERE-IN.

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 ■ Horticulture ■ Biological Restoration
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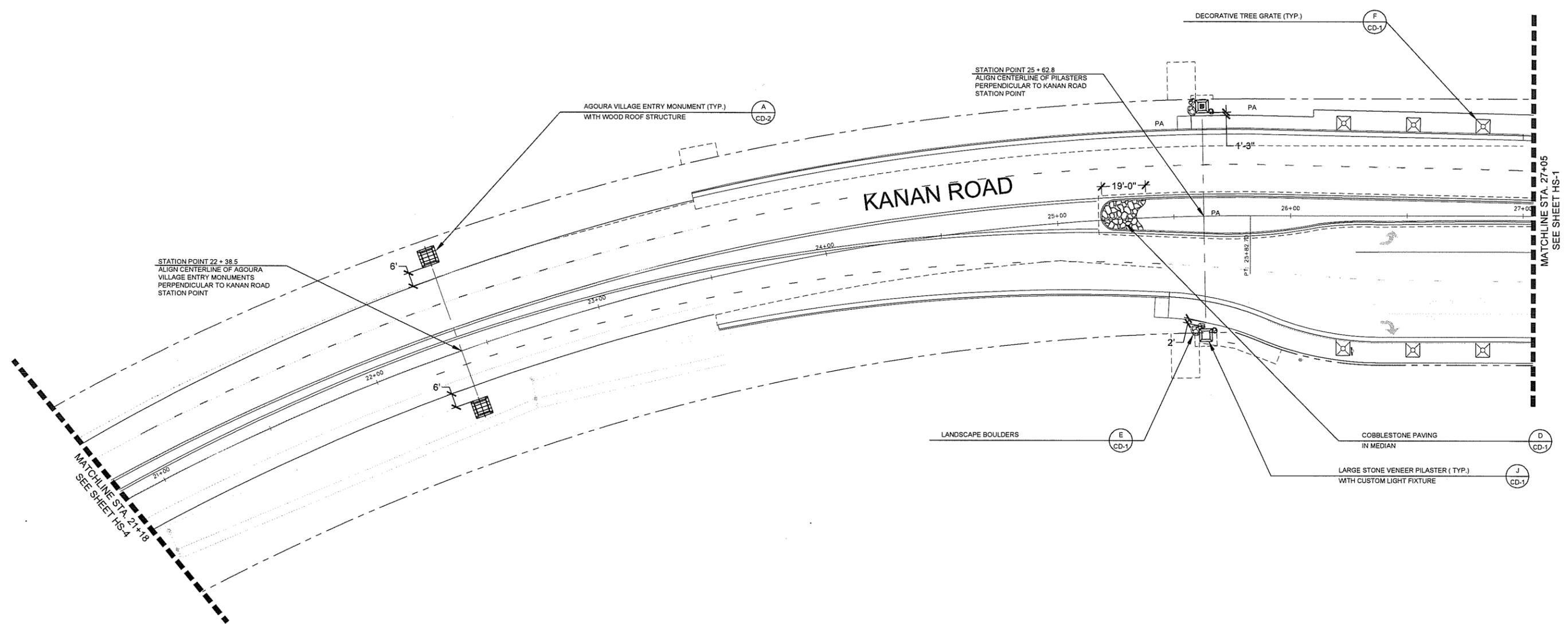
REVIEWED BY:
 CHARMINE YAMBAO
 ASSOCIATE CIVIL ENGINEER
 DATE: 8/4/15

APPROVED BY:
 RAMIRO ADEVA
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
 DATE: 8/4/15



KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 HARDSCAPE PLAN HS-2

DESIGNED BY: BB
 DRAWN BY: RK
 CHECKED BY: XX
 KHA JOB NUMBER: 099083026
 SHEET 26 OF 43



STATION POINT 22 + 38.5
ALIGN CENTERLINE OF AGOURA VILLAGE ENTRY MONUMENTS PERPENDICULAR TO KANAN ROAD STATION POINT

AGOURA VILLAGE ENTRY MONUMENT (TYP.) WITH WOOD ROOF STRUCTURE

STATION POINT 25 + 62.8
ALIGN CENTERLINE OF PILASTERS PERPENDICULAR TO KANAN ROAD STATION POINT

DECORATIVE TREE GRATE (TYP.)

KANAN ROAD

LANDSCAPE BOULDERS

COBBLESTONE PAVING IN MEDIAN

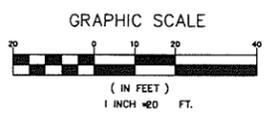
LARGE STONE VENEER PILASTER (TYP.) WITH CUSTOM LIGHT FIXTURE

MATCHLINE STA. 27+05
SEE SHEET HS-1

MATCHLINE STA. 21+18
SEE SHEET HS-4

LEGEND

---	PUBLIC EASEMENT LINE
---	PLANTING AREA TYPICAL



NOTE: REFER TO GRADING AND STREET IMPROVEMENTS SHEETS PER CIVIL DRAWING INCLUDED HERE-IN.

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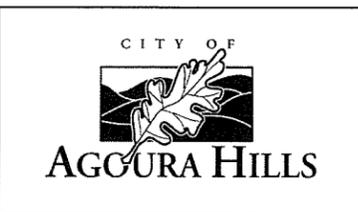
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ROBERT BOMBARDIER RLA 2464 DATE



REVIEWED BY:
 CHARMAINE YAMBAO 8/4/15 DATE
 ASSOCIATE CIVIL ENGINEER

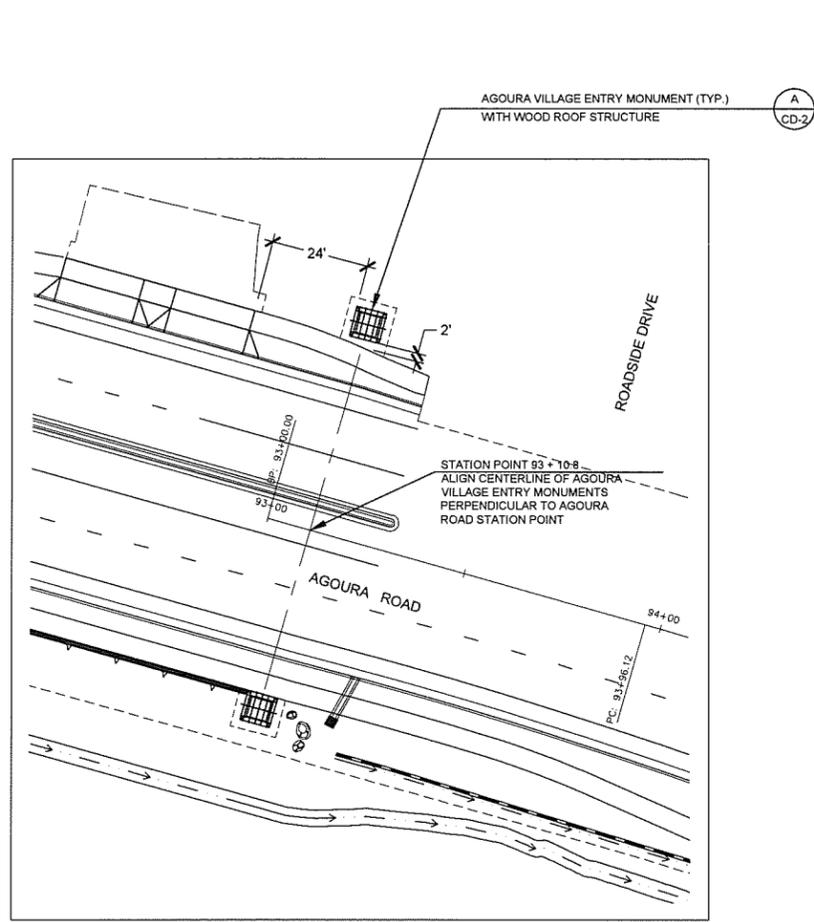
APPROVED BY:
 RAMIRO ADEVA 8/4/15 DATE
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



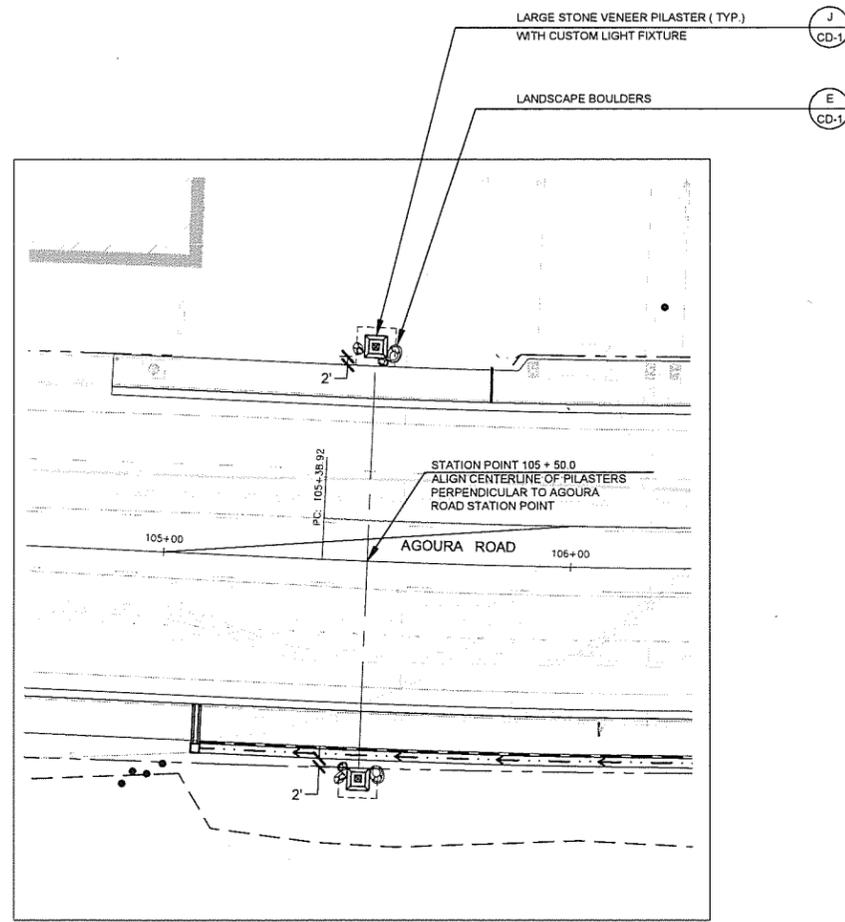
KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 HARDSCAPE PLAN HS-3

DESIGNED BY: BB DRAWN BY: RK CHECKED BY: XX KHA_JOB NUMBER: 099083026

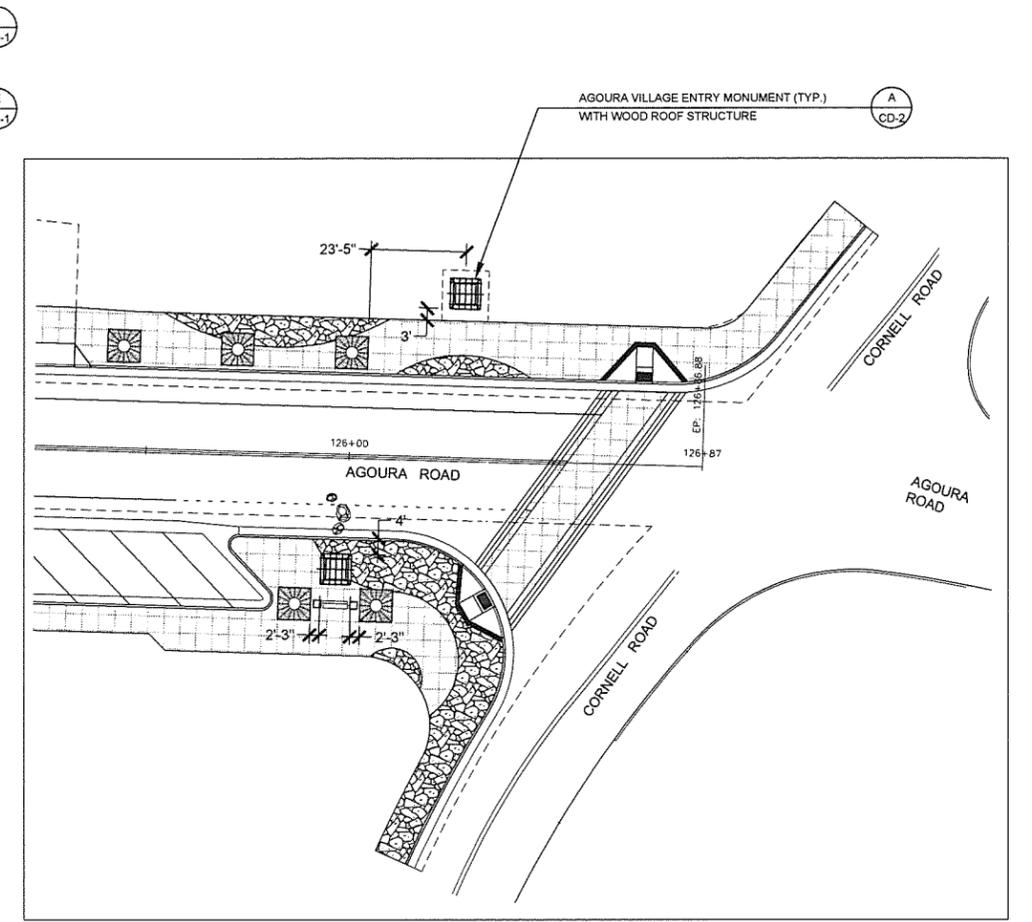
SHEET 27 OF 43



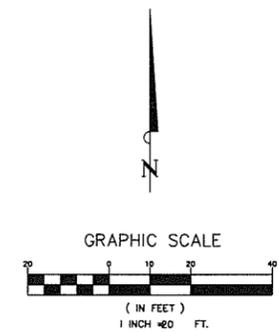
AGOURA VILLAGE ENTRY MONUMENTS
STATION POINT 93 + 10.8
SCALE: 1"=20'-0"



AGOURA VILLAGE ENTRY MONUMENTS
STATION POINT 105 + 50.0
SCALE: 1"=20'-0"



AGOURA VILLAGE ENTRY MONUMENTS
CORNELL ROAD INTERSECTION
SCALE: 1"=20'-0"



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SHEETS PER CIVIL DRAWING
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L. Newman Design Group, Inc.
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APPROVED BY:

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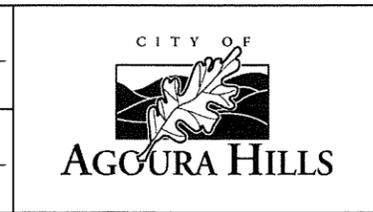


REVIEWED BY:

CHARMAINE YAMBAO
ASSOCIATE CIVIL ENGINEER
DATE: 8/4/15

APPROVED BY:

RAMIRO ADEVA
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
DATE: 8/4/15

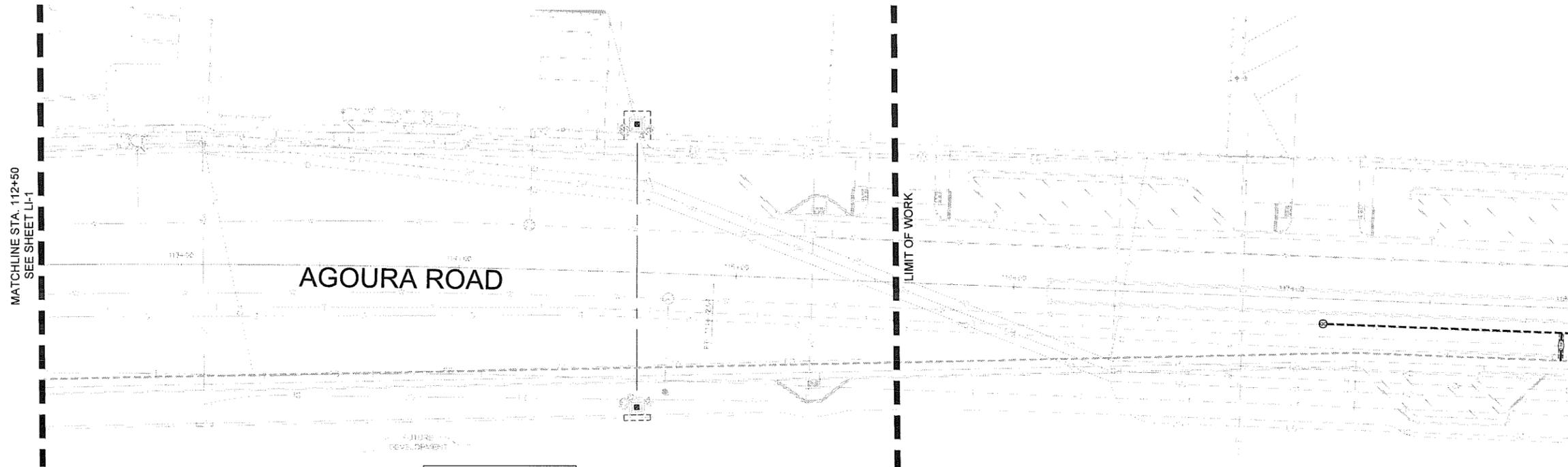


KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

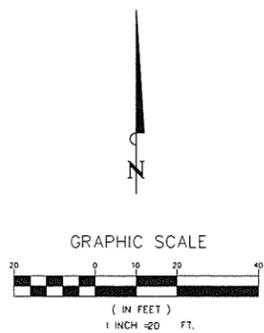
HARDSCAPE PLAN HS-5

DESIGNED BY: BB
DRAWN BY: RK
CHECKED BY: XX
KHA JOB NUMBER: 099083026

SHEET 29 OF 43



NO NEW IRRIGATION
OCCURS ON THIS SHEET



PREPARED BY:
L. Newman Design Group, Inc.
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 ■ Planning
 ■ Horticulture
 ■ Biological Restoration
 ■ 31300 Via Colinas ■ Suite 104 ■ Westlake Village, CA 91362-3924
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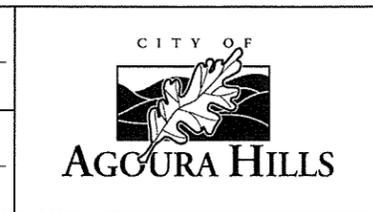
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ROBERT BOMBARDIER RLA 2464 xx/xx/xx
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REVIEWED BY:
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 ASSOCIATE CIVIL ENGINEER
 DATE: 8/4/15

APPROVED BY:
 RAMIRO ADEVA
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
 DATE: 8/4/15

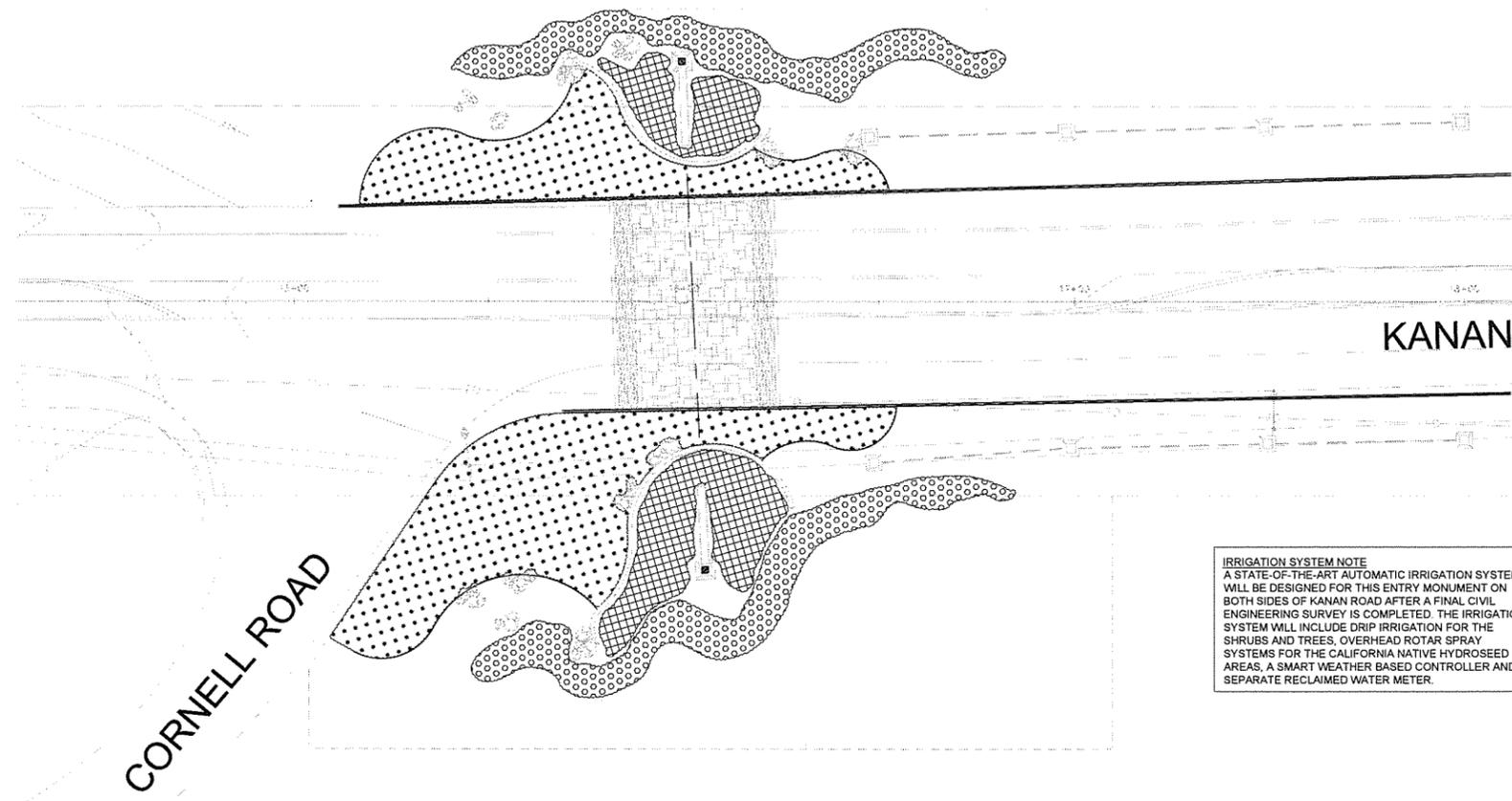


KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS

IRRIGATION PLAN LI-2

DESIGNED BY: BB DRAWN BY: RK CHECKED BY: XX KHA_JOB NUMBER: 099083026

SHEET 31 OF 43

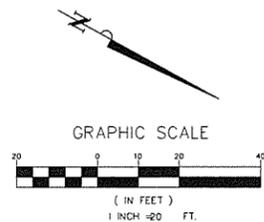


KANAN ROAD

CORNELL ROAD

IRRIGATION SYSTEM NOTE
 A STATE-OF-THE-ART AUTOMATIC IRRIGATION SYSTEM WILL BE DESIGNED FOR THIS ENTRY MONUMENT ON BOTH SIDES OF KANAN ROAD AFTER A FINAL CIVIL ENGINEERING SURVEY IS COMPLETED. THE IRRIGATION SYSTEM WILL INCLUDE DRIP IRRIGATION FOR THE SHRUBS AND TREES, OVERHEAD ROTAR SPRAY SYSTEMS FOR THE CALIFORNIA NATIVE HYDROSEED AREAS, A SMART WEATHER BASED CONTROLLER AND A SEPARATE RECLAIMED WATER METER.

MATCHLINE STA. 21+18
SEE SHEET LI-3



PREPARED BY:
 L. Newman Design Group, Inc.
 ■ Landscape Architecture
 ■ Planning
 ■ Horticulture
 ■ Biological Restoration

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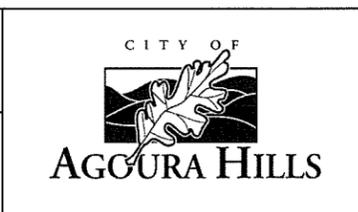
APPROVED BY:

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ROBERT BOMBARDIER RLA 2464
 xx/xx/xx
 DATE

REVIEWED BY:
 CHARMINE YAMBAO 8/4/15
 ASSOCIATE CIVIL ENGINEER DATE

APPROVED BY:
 RAMIRO ADEVA 8/4/15
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE



KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS

IRRIGATION PLAN LI-4

DESIGNED BY: BB DRAWN BY: RK CHECKED BY: XX KHA JOB NUMBER: 099083026

SHEET 33 OF 43

**LAS VIRGENES MUNICIPAL WATER DISTRICT
RECYCLED WATER SERVICE GENERAL NOTES
(WHERE APPLICABLE)**

- A. THESE RECYCLED WATER SERVICE GENERAL NOTES MUST APPEAR ON ALL ORIGINAL AND "AS-BUILT" COPIES OF THE IRRIGATION SYSTEM PLANS.
- B. THE RECYCLED WATER SYSTEM SHALL MEET THE AMERICAN WATER WORKS ASSOCIATION "GUIDELINES TO DISTRIBUTION OF NON-POTABLE WATER".
- C. A SET OF ORIGINAL IRRIGATION SYSTEM DESIGN DRAWINGS MUST BE SUPPLIED TO THE LAS VIRGENES WATER DISTRICT BEFORE SYSTEM CONSTRUCTION BEGINS.
- D. A SET OF "AS-BUILT" IRRIGATION SYSTEM DRAWINGS MUST BE SUPPLIED TO THE LAS VIRGENES WATER DISTRICT UPON COMPLETION OF THE INSTALLATION.
- E. THE LAS VIRGENES WATER DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO THE START OF CONSTRUCTION OR PIPELINE INSTALLATION BY CALLING (818) 251-2100, TO SCHEDULE AN INSPECTION. INSPECTION MUST BE MADE BEFORE TRENCHING FOR BELOW GROUND PIPING ARE BACK-FILLED.
- F. PIPE MATERIAL:
- G. ALL ON-SITE POTABLE WATER LINES MUST BE COPPER, AND IDENTIFIED WITH A WARNING TAPE WITH A BLUE OR GREEN BACKGROUND AND THE WORDS: "CAUTION: POTABLE WATER LINE".
- H. ALL NEWLY CONSTRUCTED, BURIED RECYCLED WATER DISTRIBUTION PIPING, INCLUDING MAIN AND LATERAL LINES, VALVES AND OTHER APPURTENANCES SHOULD BE COLOR EXTRUDED PURPLE, PANTONE 512, AND EMBOSSED OR INTEGRALLY STAMPED/MARKED BY THE MANUFACTURER EVERY 24 INCHES ON TWO (2) SIDES: "CAUTION: RECYCLED WATER - DO NOT DRINK". DISTRIBUTION PIPING AND LATERAL LINES SHALL BE MARKED EVERY 24 INCHES ON OPPOSITE SIDES: "CAUTION: RECYCLED WATER - DO NOT DRINK".
- I. WHEN, DUE TO PREEXISTING CONDITIONS, RECYCLED AND POTABLE WATER LINES ARE OF THE SAME MATERIAL AND COLOR, AS IN THE CASE OF SITES WHERE THE IRRIGATION SYSTEM WAS CONVERTED TO RECYCLED WATER USE, WHEN THE POTABLE SYSTEM IS EXPANDED, COPPER WILL BE USED.
- J. ALL PRESSURE MAIN LINE PIPING FROM THE RECYCLED WATER SYSTEM SHALL BE INSTALLED TO MAINTAIN A TEN (10) FOOT MINIMUM HORIZONTAL SEPARATION FROM ALL POTABLE WATER PIPING. WHERE RECYCLED AND POTABLE WATER PRESSURE MAIN LINE PIPING CROSSES, THE RECYCLED WATER PIPING SHALL BE INSTALLED BELOW THE POTABLE WATER PIPING TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF ONE (1) FOOT, AND SHALL BE INSTALLED IN A PVC CLASS 200 PIPE SLEEVE THAT EXTENDS A MINIMUM OF FIVE (5) FEET ON EITHER SIDE OF THE POTABLE WATER PIPING.
- K. SIGN AGE INDICATING THAT RECYCLED WATER IS BEING USED FOR IRRIGATION SHALL BE LOCATED AT POINTS WHERE THE PUBLIC MAY ENTER THE USE AREA.
- L. ALL ABOVE GROUND RECYCLED WATER FACILITIES (CONTROLLERS, VALVES, RISERS, HEADS, QUICK COUPLERS, ETC.) MUST HAVE IDENTIFYING COLORS AND LABELS FOR RECYCLED WATER.
- M. HOSE BIBS ARE NOT PERMITTED ON THE RECYCLED WATER IRRIGATION SYSTEM. QUICK COUPLERS SHALL BE USED IF HOSE CONNECTIONS ARE NECESSARY.
- N. BACK FLOW PREVENTION DEVICES SHALL NOT BE INCLUDED IN NEWLY CONSTRUCTED RECYCLED WATER SYSTEMS UNLESS REQUESTED BY THE DISTRICT.
- O. BACK FLOW PREVENTION DEVICES ON PRE-EXISTING POTABLE IRRIGATION SYSTEMS BEING CONVERTED TO USE RECYCLED WATER SHALL BE REMOVED UNLESS REQUIRED BY THE DISTRICT.
- P. A REDUCED PRESSURE PRINCIPLE BACKFLOW DEVICE IS REQUIRED ON ANY AND ALL POTABLE WATER SERVICE TO A PROPERTY WHERE RECYCLED WATER IS BEING USED FOR IRRIGATION.
- Q. DRINKING FOUNTAINS AND PICNIC TABLES SHOULD BE PLACED TO MINIMIZE EXPOSURE TO DIRECT AND WIND BLOWN RECYCLED WATER SPRAY.
- R. RECYCLED WATER SHALL NOT BE SPRAYED OUTSIDE OF THE DESIGN AREA.
- S. RECYCLED WATER SHALL NOT BE USED TO IRRIGATE ANY ENCLOSED PRIVATE REAR YARD OR PATIO AREA. EXCEPTIONS CAN BE MADE IN THE CASE OF RANCHETTES, WHERE SPECIAL RULES TAKE PRECEDENCE.
- T. A PHYSICAL SEPARATION (BARRIER - IE. FENCE, CONCRETE MOW STRIP, OR EQUIVALENT, AS DETERMINED BY THE DISTRICT) IS REQUIRED BETWEEN AREAS IRRIGATED WITH RECYCLED AND AREAS IRRIGATED WITH POTABLE WATER.
- U. COMPLIANCE WITH THESE NOTES IS REQUIRED FOR RECYCLED WATER SERVICE.

IRRIGATION NOTES:

1. ALL MAIN LINE, LATERAL PIPING AND CONTROL WIRES, UNDER PAVING, SHALL BE IN SEPARATE SLEEVES. MAIN LINE AND LATERAL SLEEVES SHALL BE A MINIMUM OF 4". FOR PIPING LARGER THAN 2", THE SLEEVES SHALL BE TWICE THE PIPE DIAMETER. WIRE SLEEVING SHALL BE 2" OR LARGER TO ACCOMMODATE CONTROL AND COMMON WIRES. SLEEVES UNDER ROADWAYS SHALL BE 30" DEEP; BURY ALL OTHER MAIN LINE 18" DEEP AND ALL LATERALS 12" DEEP, EXCEPT AS NOTED WITHIN SLEEVES. THESE DEPTHS ARE MINIMUMS.
2. AFTER MAIN LINE HAS BEEN INSTALLED AND PRIOR TO COVERING THE MAIN LINE TRENCH, A PRESSURE TEST SHALL BE CONDUCTED. ALL PRESSURE LINES SHALL BE TESTED UNDER A HYDROSTATIC PRESSURE AT 160 PSI FOR A PERIOD NOT LESS THAN 24 HOURS. IF LEAKS DEVELOP, THE JOINTS SHALL BE REPLACED AND THE TEST REPEATED UNTIL THE ENTIRE MAIN LINE IS PROVEN TO BE WATERTIGHT. CERTIFICATION, IN WRITING, SHALL BE SUBMITTED TO THE OWNER VERIFYING THAT THE TEST HAS BEEN CONDUCTED SUCCESSFULLY.
3. ALL HEADS ADJACENT TO SIDEWALKS, DRIVEWAYS, AND ALL TURF HEADS SHALL BE ATTACHED TO POP-UP BODIES. TURF TO BE 4" POP-UPS AND SHRUB AREAS TO BE 6" POP-UPS IN PLANTERS LESS THAN 6' IN WIDTH AND 12" POP-UPS IN PLANTERS GREATER THAN 6' IN WIDTH. ALL OTHER SHRUB HEADS TO BE ON RISERS 12" ABOVE FINISH GRADE.
4. THE SPRINKLER SYSTEM DESIGN IS BASED ON A DESIGN PRESSURE OF XX PSI AND A MAXIMUM FLOW OF 30 GPM. THE IRRIGATION CONTRACTOR SHALL VERIFY THE PRESSURE AND FLOW PRIOR TO CONSTRUCTION. ANY VARIANCE FROM THE DESIGN PRESSURE SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT WITHIN 24 HOURS AND PRIOR TO COMMENCEMENT OF ANY WORK. IF IT IS FOUND THAT THE PRESSURE AND/OR FLOW DEVIATE FROM THE DESIGN AND THE CONTRACTOR COMMENCES WORK WITHOUT NOTIFYING THE LANDSCAPE ARCHITECT, ALL CORRECTIVE ACTION NECESSARY TO ESTABLISH A FUNCTIONAL IRRIGATION SYSTEM SHALL BE AT THE CONTRACTOR'S EXPENSE.
5. UPON COMPLETION OF THE IRRIGATION SYSTEM INSTALLATION, A COVERAGE TEST SHALL BE CONDUCTED WITH THE LANDSCAPE ARCHITECT PRESENT.
6. NOTE FOR OAKS:
IRRIGATION CONTRACTOR TO HAND TRENCH UNDER ALL EXISTING OAKS AND SPECIMEN TREES AS DESIGNATED TO AVOID OAK ROOT IMPACT. KEEP WIRES AND LATERAL LINES AS CLOSE TO CURB OR HARDSCAPE AS POSSIBLE.
CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE OAK TREE PERMIT.

EQUIPMENT LEGEND			
SYMBOL	MANUFACTURER / MODEL NUMBER	SIZE	DETAIL
	IRRIGATION POINT OF CONNECTION	EXISTING	N/A
	CONTROLLER - EXISTING	EXISTING	N/A
▶	NIBCO T-580-70 BRONZE BALL VALVE - 3" AND SMALLER WITH PURPLE LOCKING COVER	LINE SIZE	'F' - CD-4
⊙	RAIN BIRD #33-DNP-DLRC QUICK COUPLING VALVE WITH PURPLE LOCKING COVER	3/4"	'B' - CD-4
⊙	RAIN BIRD PESB-R SERIES REMOTE CONTROL VALVE WITH PURPLE LOCKING COVER	PLAN SIZE	'A' - CD-4
⊕	RAIN BIRD XCZ-150-PRBR-COM CONTROL ZONE KIT WITH PURPLE LOCKING COVER	PLAN SIZE	'G' - CD-4
—	SCH 40 PVC IRRIGATION PRESSURE MAINLINE, 24" MINIMUM COVER (PURPLE COLOR)	PLAN SIZE	'D' - CD-4
—	SCH 40 PVC NON-PRESSURE LATERAL LINE, 12" MINIMUM COVER (PURPLE COLOR)	PLAN SIZE	'D' - CD-4
—	SCH 40 PVC SLEEVE, 36" MINIMUM COVER	PLAN SIZE	'C' - CD-4
NOT SHOWN	UF DIRECT BURIAL CONTROL WIRE WITH WATERPROOF CONNECTIONS	N/A	-

SPRINKLER LEGEND						
SYMBOL	MANUFACTURER / MODEL	NOZZLE	RAD	PSI	FLOW - GPM Q / H / F	DETAIL
DRIP EMITTER ON RISER						
•	RAIN BIRD XERI-BUG	XBT-10PC-1032	-	-	1.0 GPH	'K' - CD-4
INDICATES RAINBIRD TREE BUBBLER (2 PER TREE) EXCEPT FOR SPECIMEN OAKS IN CENTER PLANTER - SEE BELOW AND DETAIL 'E', LD-3						
⊙	RAIN BIRD ROOT WATERING SYSTEM W/ RECLAIMED 'PURPLE' GRATE	RWS-B-C-1402 W/ RWS-GRATE-P	-	30	.50	'T' - CD-4

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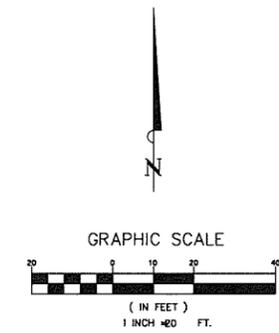
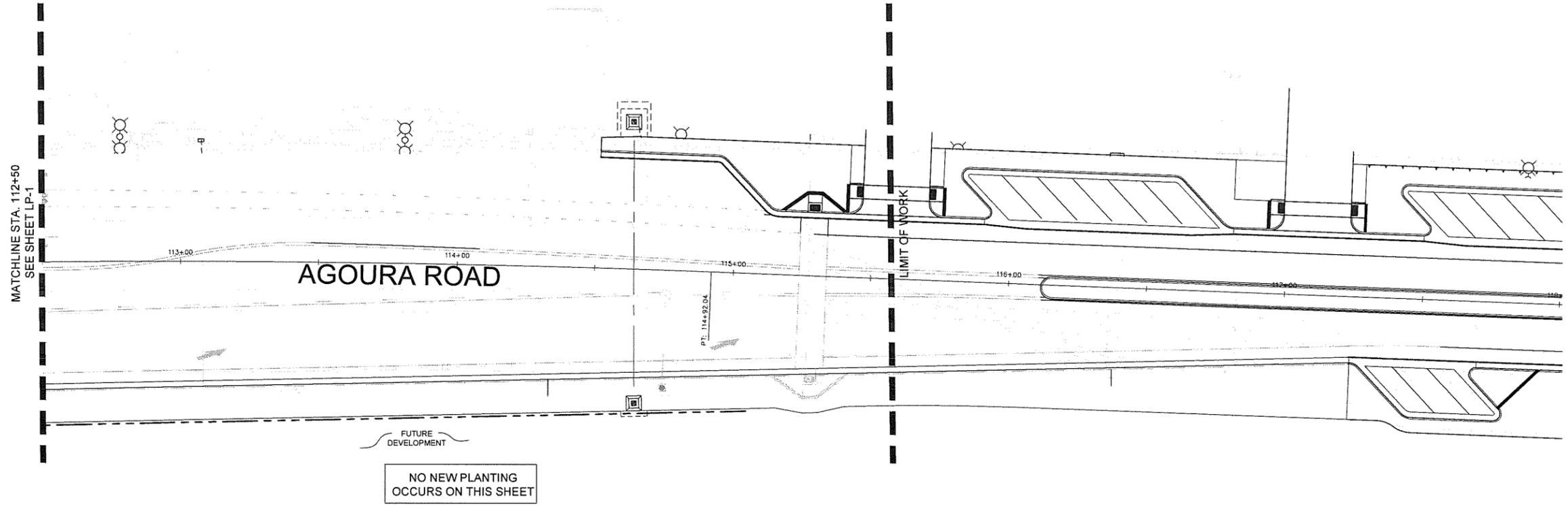
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KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

IRRIGATION LEGEND LI-5

DESIGNED BY: BB
DRAWN BY: RK
CHECKED BY: XX
KHA JOB NUMBER: 099083026

SHEET 34 OF 43



PREPARED BY:
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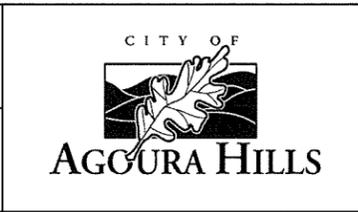
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 CHARMINE YAMBAO 8/4/15
 ASSOCIATE CIVIL ENGINEER DATE

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 RAMIRO ADEVA 8/4/15
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE



KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS

PLANTING PLAN LP-2

DESIGNED BY: BB DRAWN BY: RK CHECKED BY: XX KHA JOB NUMBER: 099083026

SHEET 36 OF 43

SOIL PREPARATION SPECIFICATIONS

PREPLANT SOIL AMENDMENTS AND FERTILIZERS

- 3 cu. yds. AGROMEND
- 20 LBS. 8-8-4 FERTILIZER
- ROTOTILL TO 8" DEPTH

A. GROUND COVER

1. SOIL AMENDMENTS	APPLY PER 1000 sq. ft.
• ORGANIC (WELL-COMPOSTED) NITROZED	2.00 cu. yds.
• REDWOOD SHAWINGS	
2. FERTILIZERS	APPLY PER 1000 sq. ft.
• PHOSPHORUS (P2 O5)	1.30 lbs.
• POTASSIUM (K2 O)	2.50 lbs.
• SOIL SULPHUR	25.0 lbs.
• IRON (Fe)	0.50 lbs.
• ZINC (Zn)	3.80 lbs.

ALL GROUND COVER AREAS SHALL RECEIVE THESE AMENDMENTS WELL BLENDED AND FILLED INTO THE TOP 4-6". AFTER INCORPORATION THE ABOVE SOIL PREPARATION INTO THE SITE SPREAD 25 LBS EACH OF GYPSUM AND SOIL SULPHUR ON THE SURFACE.

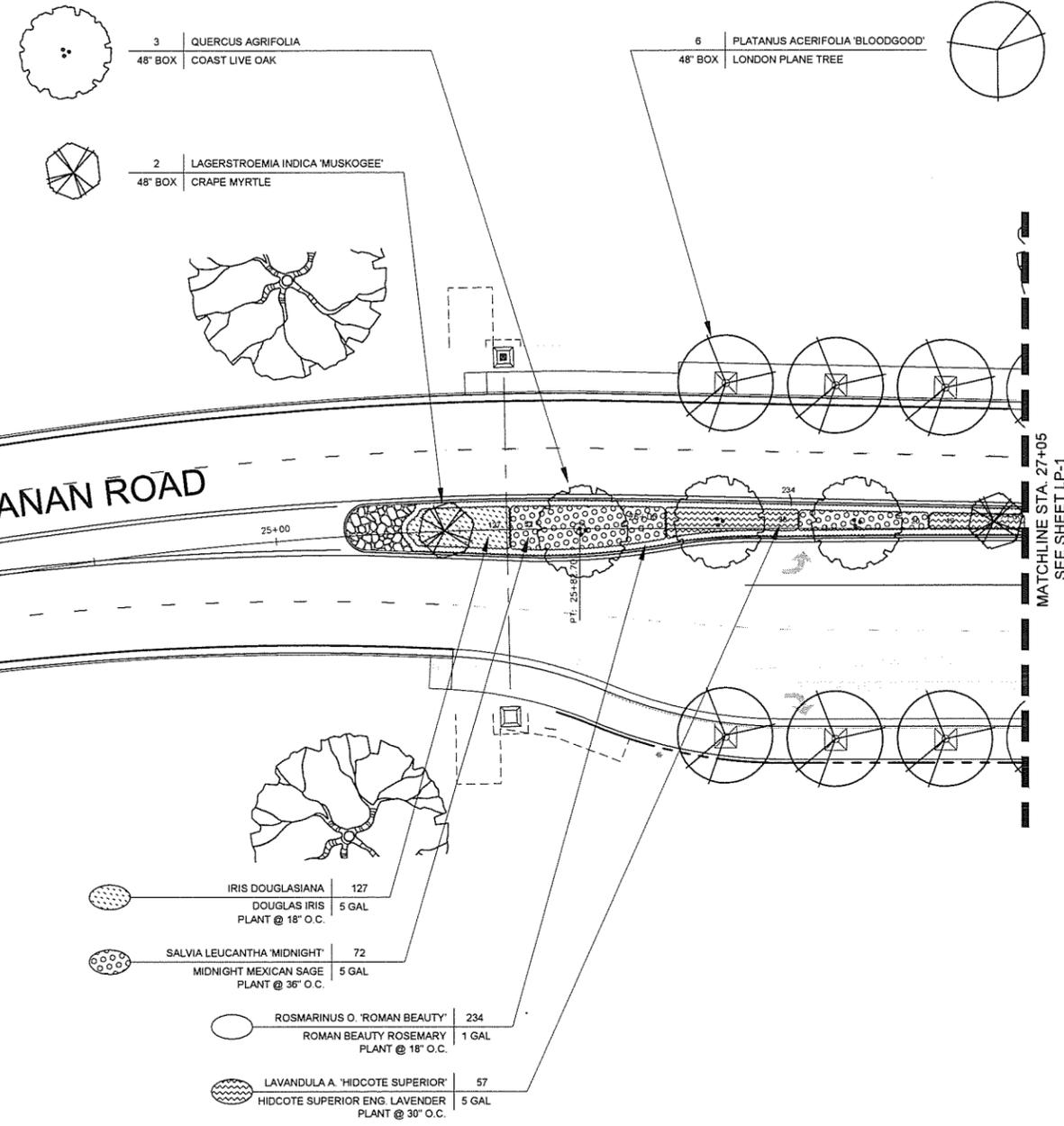
B. TREE AND SHRUB BACKFILL MIX

1. NATIVE (SITE) SOIL	67%
2. NITROGEN FERTILIZED ORGANIC MATERIAL	33%
3. COMMERCIAL FERTILIZER (8-8-4)	1 lb. / cu. yd.
4. IRON	2 oz. / cu. yd.
5. ZINC	1 lb. / cu. yd.
6. MANGANESE	1 lb. / cu. yd.

THESE MATERIALS SHALL BE THOROUGHLY BLENDED AND PLACED IN PLANT PITS. PLANT PITS TO BE DUG TWO TIMES THE DIAMETER OF THE PLANT CONTAINER.

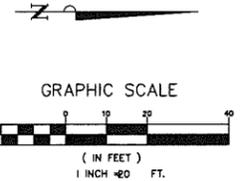
CONTRACTOR SHALL UTILIZE THE ABOVE SOIL PREPARATION FOR THE BASE BID. FINAL SOIL PREPARATION SPECIFICATIONS SUBJECT TO CHANGE PENDING THE FINAL SOILS ANALYSIS AND RECOMMENDATIONS.

- PLANTING NOTES**
1. ALL PLANT MATERIAL SHALL BE OF THE HIGHEST QUALITY AVAILABLE, EQUAL TO "NORMAN'S NURSERY" OR AS APPROVED BY THE LANDSCAPE ARCHITECT.
 2. ALL PLANTS SHALL BE OF A-A QUALITY, THEY SHALL BE SYMMETRICAL, FILL THE CONTAINER, THEY SHALL NOT BE ROOT BOUND, THEY SHALL NOT BE RECENTLY PLANTED FROM ONE CONTAINER SIZE TO THE SPECIFIED SIZE AND THEY WILL BE HEALTHY REPRESENTATIVE SPECIMENS.
 3. ALL PLANT MATERIAL TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY.
 4. ALL PLANTING BEDS SHALL BE GRADED, AND HAVE AMENDMENTS ADDED PRIOR TO PLANTING. REFER TO GENERAL SOIL PREPARATION SPECIFICATIONS THIS SHEET.
 5. FINAL LOCATION OF ALL TREES, SHRUBS TO BE VERIFIED IN THE FIELD BY THE LANDSCAPE ARCHITECT AND APPROVED PRIOR TO INSTALLATION. TREE & SHRUB PLANTING PER PLANTING DETAILS.
 6. DO NOT PLANT TREES WITHIN 10' OF DRAINS, CATCH BASINS, DRIVEWAYS, UTILITY POLES AND STREET LIGHTS, 5' FROM WATER METERS, OR 4' FROM CURBS.
 7. PLANT ALL TREES AND SHRUBS OUT OF THE LINE OF ANY INVERTS, ETC.
 8. LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
 9. LOCATIONS AND COUNTS ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL TREE AND SHRUB COUNTS. CONTRACTOR TO PROMPTLY NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY IN PLANT OR TREE COUNTS. CONTRACTOR IS SOLELY RESPONSIBLE FOR PLANTING PER PLAN. NO EXTRAS SHALL BE ALLOWED FOR PLANT COUNT DISCREPANCIES.
 10. CONTRACTOR TO SUPPLY ONLY THE PLANT MATERIALS SPECIFIED ON THE PLANS. CONTRACTOR SHALL NOT SUBSTITUTE ANY PLANT MATERIAL WITHOUT THE EXPRESS CONSENT OF THE OWNER AND THE LANDSCAPE ARCHITECT. ALL PLANT MATERIALS DELIVERED TO THE SITE SHALL HAVE PLANT TAGS FROM PROVIDING NURSERY IDENTIFYING THE PLANT BY GENUS AND SPECIES. PLANTS WITHOUT TAGS SHALL BE REJECTED.
 11. NO PLANTING SHALL TAKE PLACE UNTIL AN IRRIGATION COVERAGE TEST HAS BEEN COMPLETED AND APPROVED BY THE LANDSCAPE ARCHITECT.
 12. ALL SHRUB PLANTING BEDS TO RECEIVE 2" OF AGROMIN ES2 OR EQUAL AS APPROVED BY LANDSCAPE ARCHITECT AT TIME OF PLANTING. AN ADDITIONAL 1" OF AGROMIN ES2 SHALL BE INSTALLED PRIOR TO END OF 90 DAY MAINTENANCE. ALL EXISTING AND TRANSPLANTED OAK TREES TO RECEIVE A 2" LAYER OF AGROMIN ES2, AS NOTED ON PLANTING PLAN.
 13. ALL TREES PLANTED WITHIN 10'-0" OF HARDSCAPE TO RECEIVE ROOT BARRIERS.



MATCHLINE STA. 21+18
SEE SHEET LP-4

MATCHLINE STA. 27+05
SEE SHEET LP-1



PREPARED BY:
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APPROVED BY:

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DIRECTOR OF PUBLIC WORKS/CITY ENGINEER DATE

CITY OF
AGGOURA HILLS

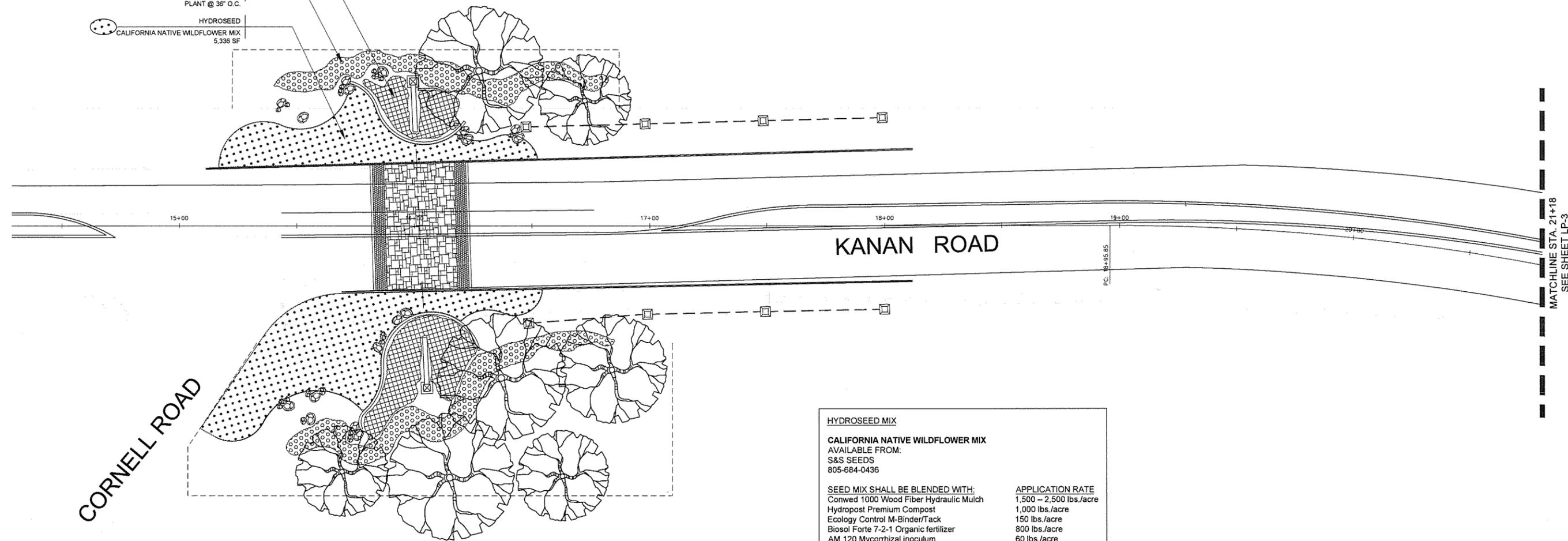
KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

PLANTING PLAN LP-3

DESIGNED BY: BB DRAWN BY: RK CHECKED BY: XX KHA JOB NUMBER: 099083026

SHEET 37 OF 43

-  MUHLENBURGIA RIGEN 125
-  DEERGRASS PLANT @ 24" O.C. 5 GAL
-  SALVIA LEUCANTHA 'MIDNIGHT' 72
-  MIDNIGHT MEXICAN SAGE PLANT @ 36" O.C. 5 GAL
-  HYDROSEED
-  CALIFORNIA NATIVE WILDFLOWER MIX 5,336 SF



HYDROSEED MIX

CALIFORNIA NATIVE WILDFLOWER MIX
 AVAILABLE FROM:
 S&S SEEDS
 805-684-0436

SEED MIX SHALL BE BLENDED WITH:

Conwed 1000 Wood Fiber Hydraulic Mulch	1,500 – 2,500 lbs./acre
Hydropost Premium Compost	1,000 lbs./acre
Ecology Control M-Binder/Tack	150 lbs./acre
Biosol Forte 7-2-1 Organic fertilizer	800 lbs./acre
AM 120 Mycorrhizal inoculum	60 lbs./acre
Tri-C Soluble Humate	1 lb./acre
Seed mix (as prescribed by above)	20 lb./acre

MATCHLINE STA. 21+18
SEE SHEET LP-3

NOTE:
REFER TO LP-3 FOR SOIL PREPARATION AND BACKFILL MIX SPECIFICATIONS

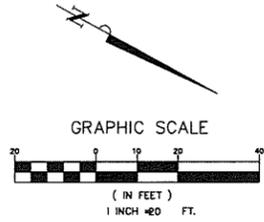
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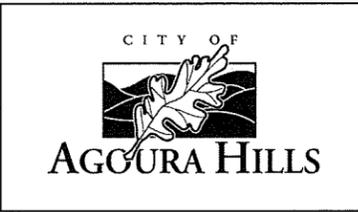


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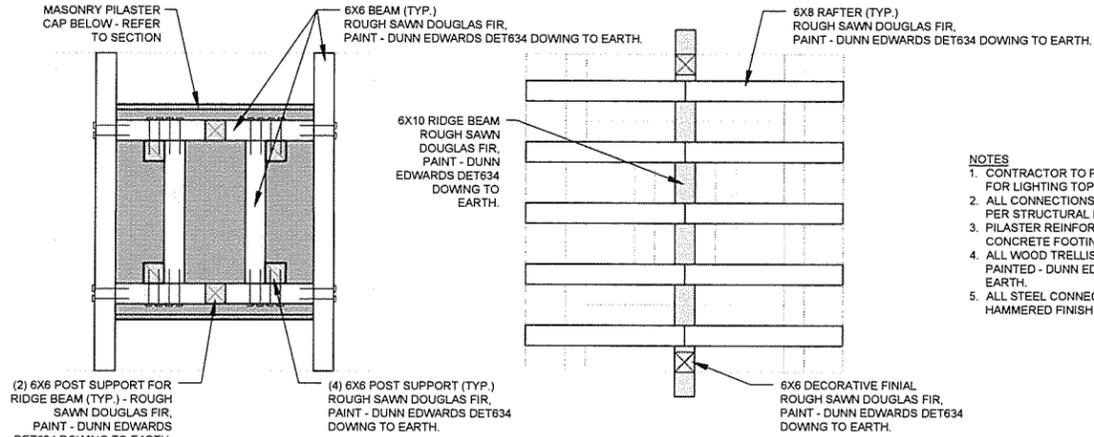


KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS

PLANTING PLAN LP-4

DESIGNED BY: BB DRAWN BY: RK CHECKED BY: XX KHA JOB NUMBER: 099083026

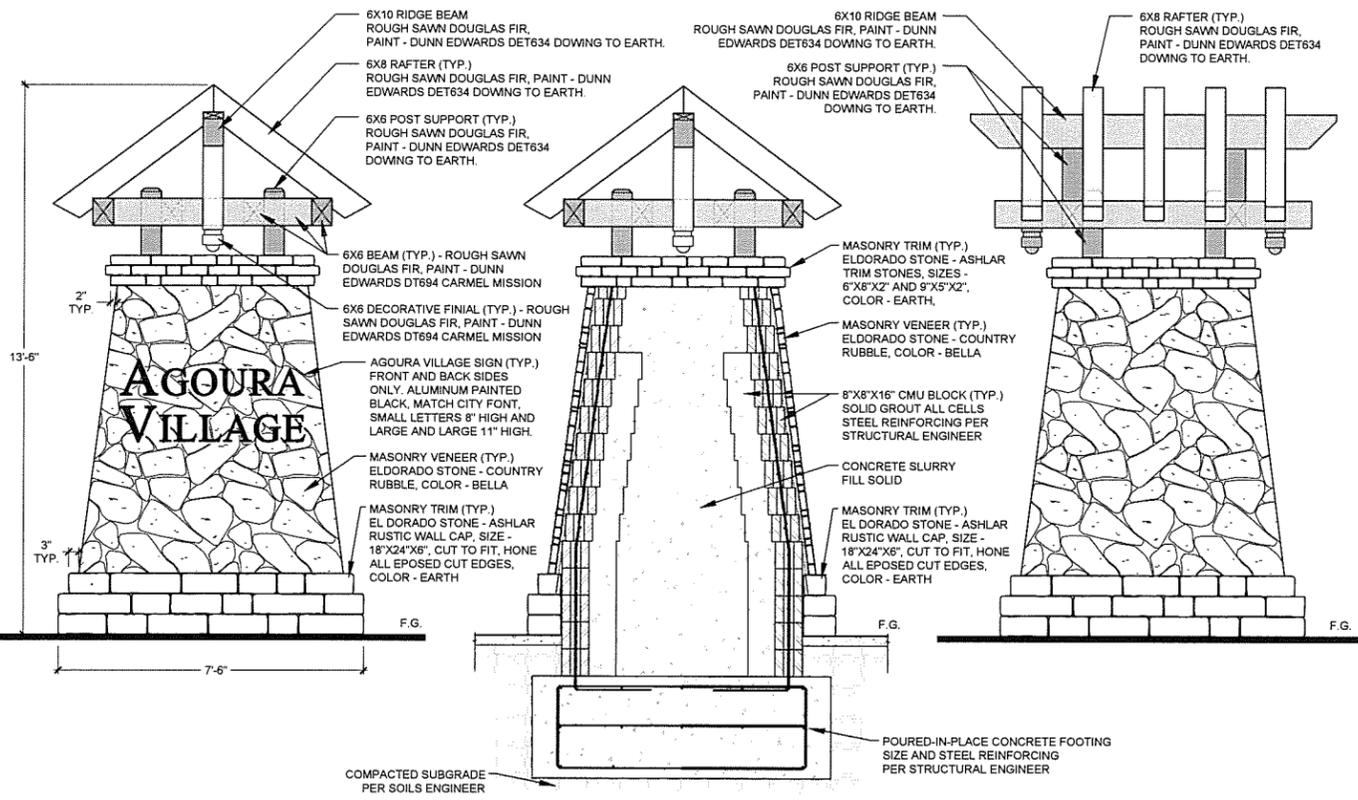
SHEET 38 OF 43



PLAN - TRELLIS LOWER

PLAN - TRELLIS UPPER

SCALE: 1/2"=1'-0"

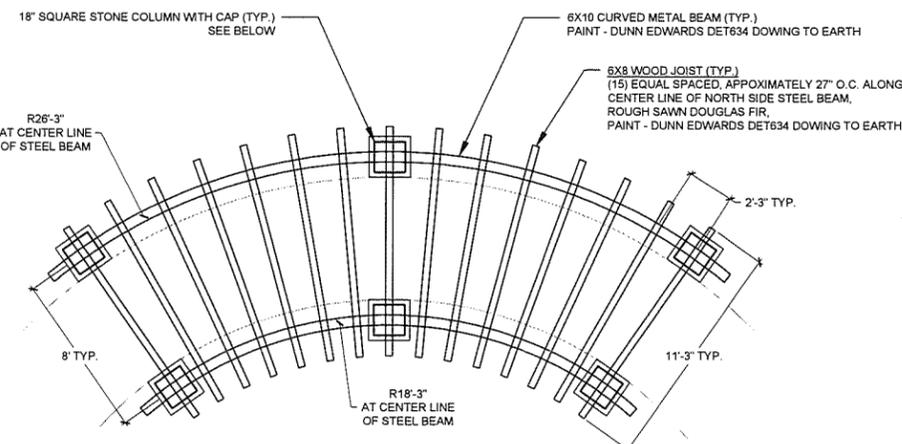


ELEVATION

SCALE: 1/2"=1'-0"

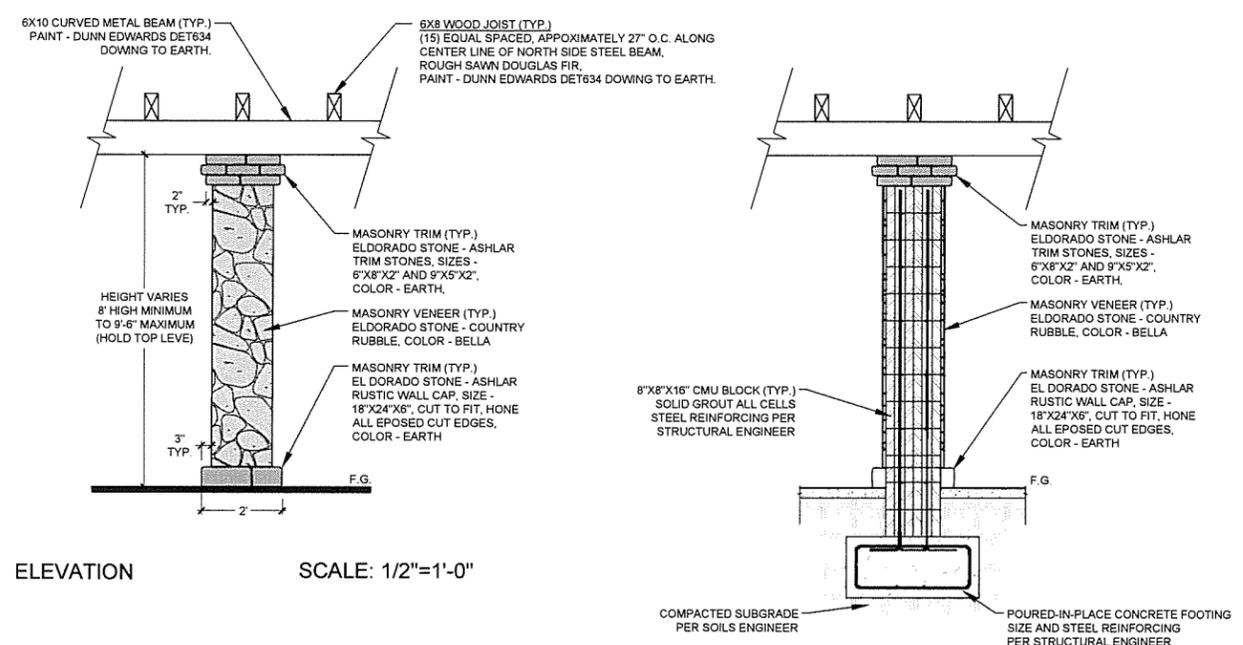
SECTION

SCALE: 1/2"=1'-0"



PLAN

SCALE: 1/4"=1'-0"



ELEVATION

SCALE: 1/2"=1'-0"

SECTION

SCALE: 1/2"=1'-0"

A AGOURA VILLAGE ENTRY MONUMENT W/ WOOD ROOF STRUCTURE

B OVERHEAD TRELLIS W/ STONE COLUMNS

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1		35%PS&E		08/04/15
2		65%PS&E		04/21/16
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

APPROVED BY:

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 960 South Figueroa Street, Suite 2050, Los Angeles, CA 90017
 Tel (213) 261-4040

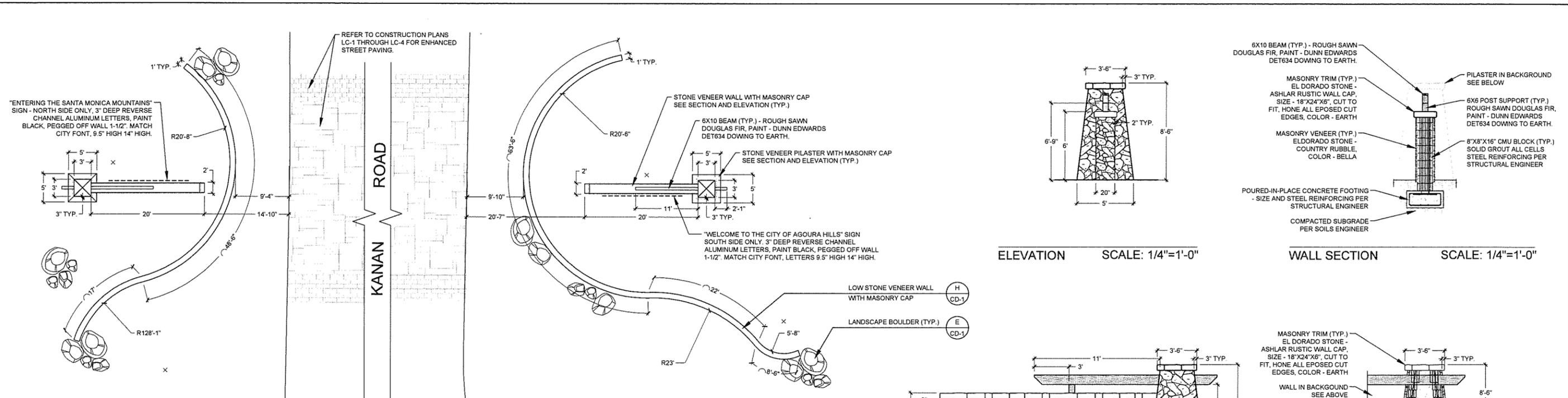
REVIEWED BY:
 CHARMINE YAMBAO
 ASSOCIATE CIVIL ENGINEER
 DATE: 8/4/15

APPROVED BY:
 RAMIRO ADEVA
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
 DATE: 8/11/15



KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 CONSTRUCTION DETAILS CD-2

DESIGNED BY: BB
 DRAWN BY: RK
 CHECKED BY: XX
 KHA JOB NUMBER: 099083026
 SHEET 40 OF 43

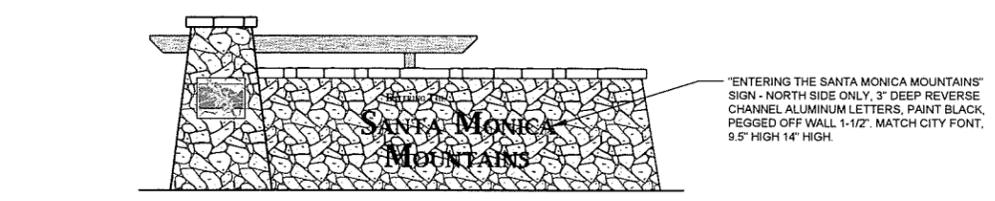


ENTRY MONUMENT PLAN VIEW

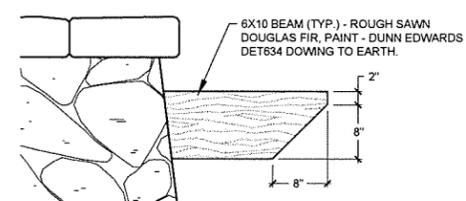
SCALE: 1/8"=1'-0"

ELEVATION SCALE: 1/4"=1'-0"

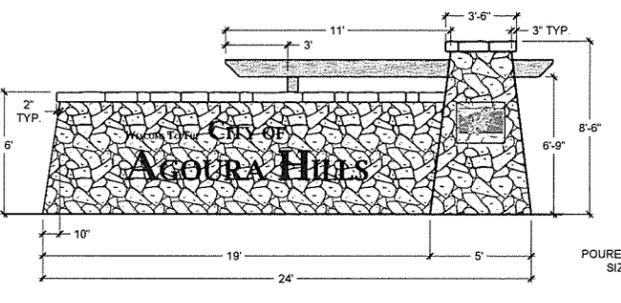
WALL SECTION SCALE: 1/4"=1'-0"



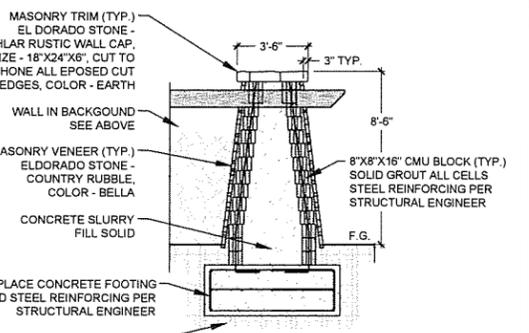
ELEVATION - WEST SIDE (NORTH FACE)



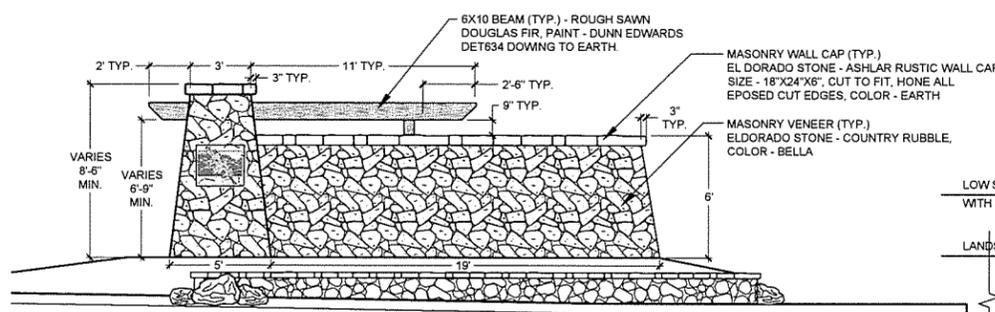
BEAM END DETAIL SCALE: 1"=1'-0"



ELEVATION SCALE: 1/4"=1'-0"

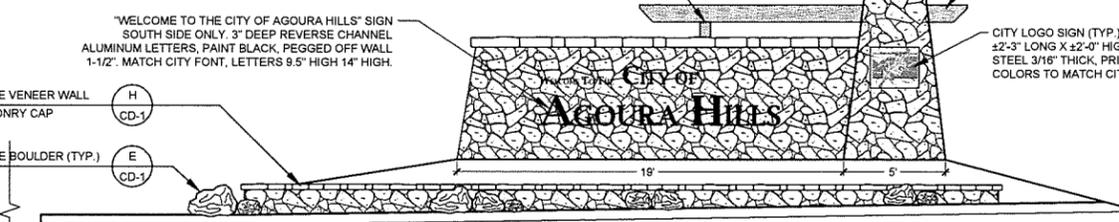


PILASTER SECTION SCALE: 1/4"=1'-0"



ENTRY MONUMET ELEVATION - WEST SIDE

SCALE: 1/4"=1'-0"



ENTRY MONUMENT ELEVATION - EAST SIDE

SCALE: 1/4"=1'-0"

- NOTES
1. ALL CONNECTIONS OF WOOD BEAM AND POST MEMBERS PER STRUCTURAL ENGINEER.
 2. PILASTER AND WALL REINFORCING AND POURED-IN-PLACE CONCRETE FOOTING PER STRUCTURAL ENGINEER.
 3. ALL WOOD MEMBERS TO BE PRIMED AND PAINTED - DUNN EDWARDS DET634 DOWNG TO EARTH.
 4. ALL STEEL CONNECTORS TO BE HEAVY DUTY HAMMERED FINISH.

A ENTRY MONUMENT STRUCTURE

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE
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ROBERT BOMBARDIER RLA 2464



REVIEWED BY:

CHARMAINE YAMBABO	8/4/15
ASSOCIATE CIVIL ENGINEER	DATE

APPROVED BY:

RAMIRO ADEVA	8/4/15
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER	DATE



PREPARED BY:

L. Newman Design Group, Inc.

■ Landscape Architecture
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■ Horticulture
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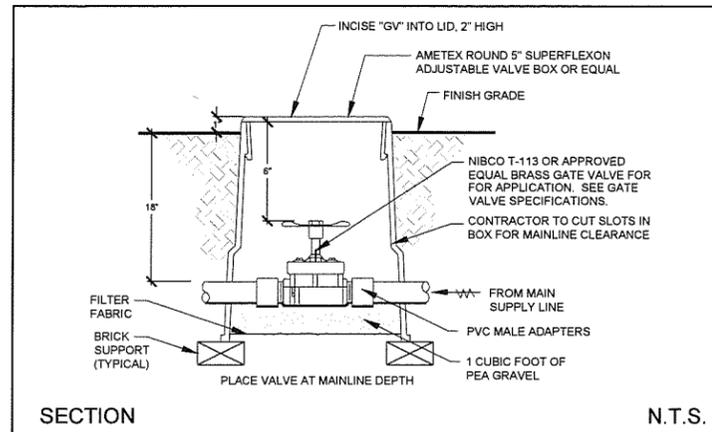
KANAN ROAD/AGOURA ROAD
ULTIMATE INTERSECTION IMPROVEMENTS

CONSTRUCTION DETAILS CD-3

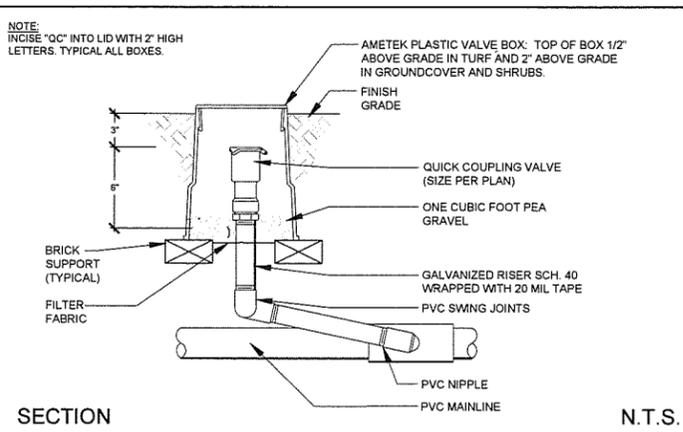
DESIGNED BY: BB
DRAWN BY: RK
CHECKED BY: XX

KHA JOB NUMBER: 099083026

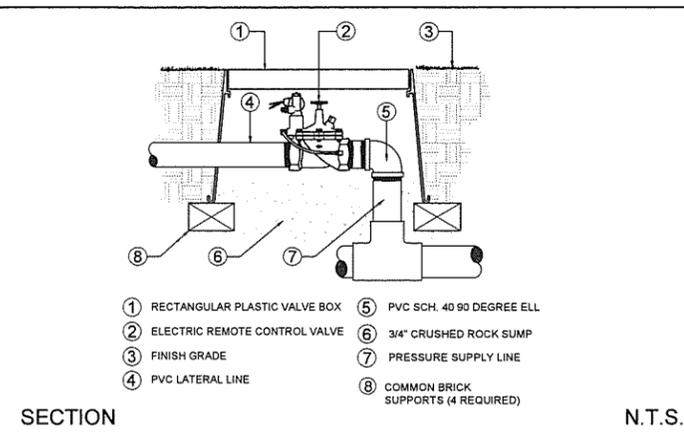
SHEET 41 OF 43



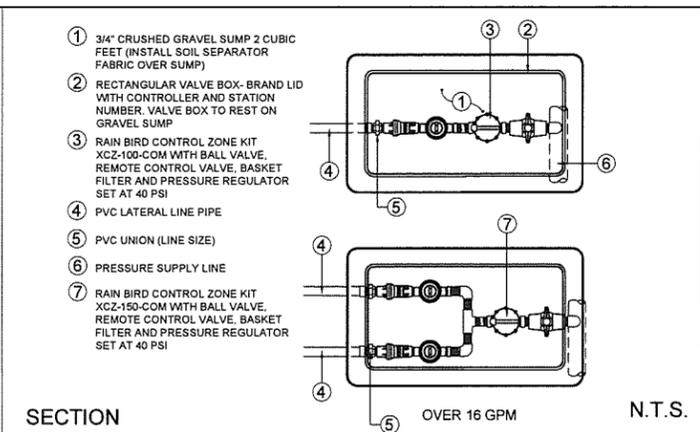
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SECTION N.T.S.



SECTION N.T.S.



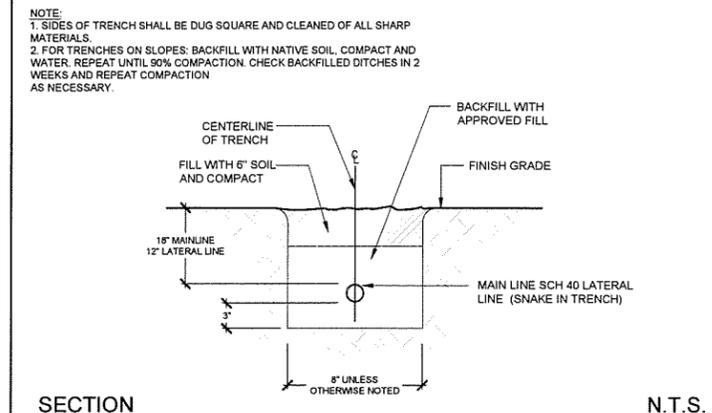
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A GATE VALVE

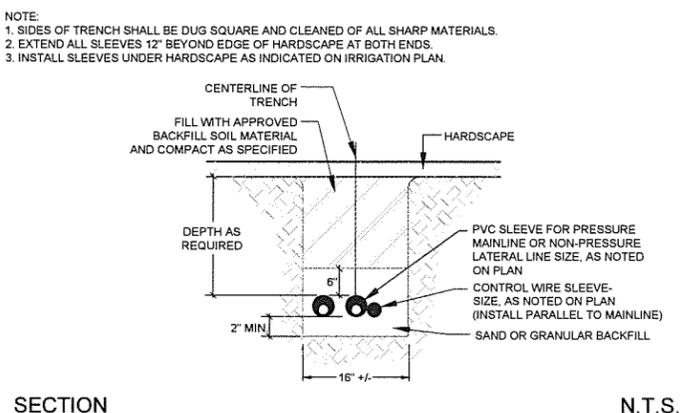
B QUICK COUPLER VALVE

C REMOTE VALVE

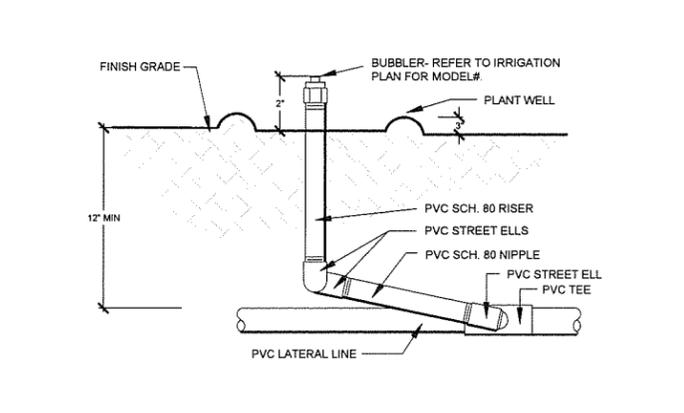
D 1" CONTROL ZONE KIT - DRIP COMMERCIAL W/BASKET FILTER



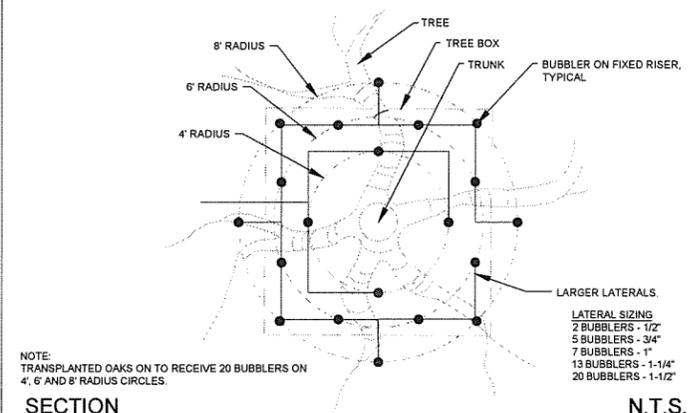
SECTION N.T.S.



SECTION N.T.S.



SECTION N.T.S.



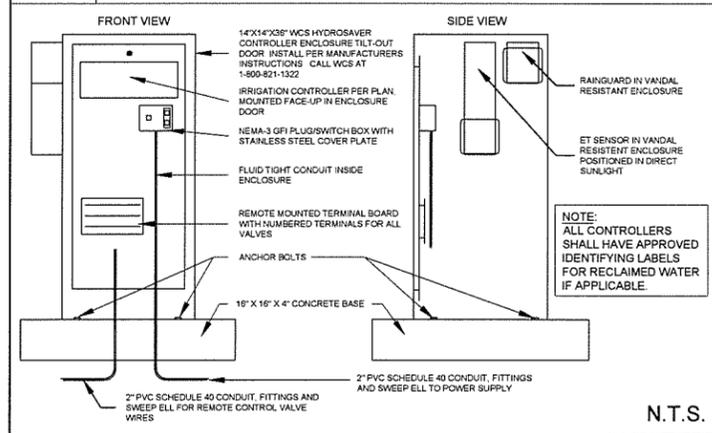
SECTION N.T.S.

E TRENCHING LATERAL / MAINLINE

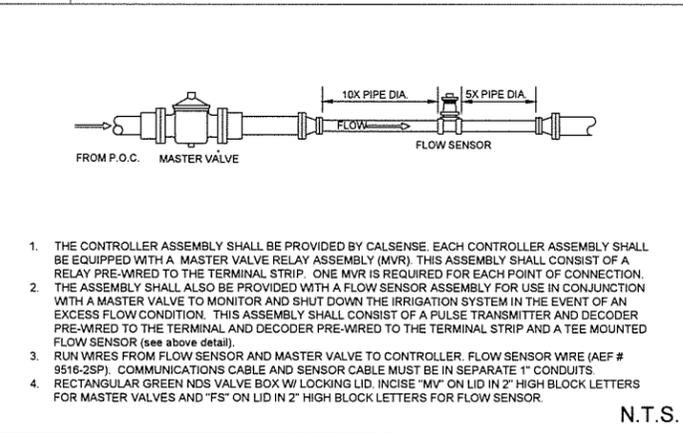
F SLEEVING MAINLINE, LATERAL & ELECTRICAL

G BUBBLER

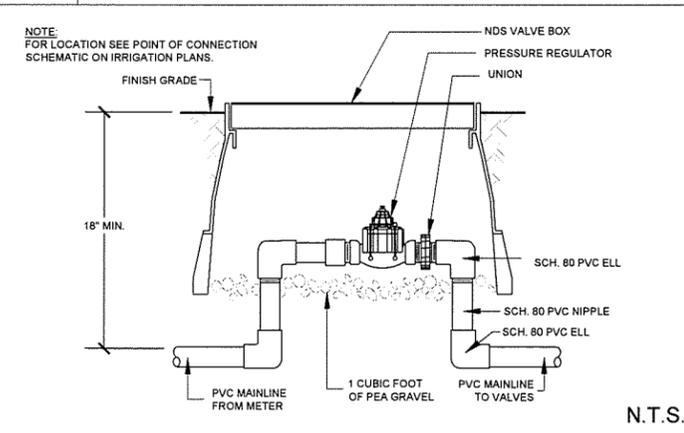
H SPECIMEN TREE



SECTION N.T.S.



SECTION N.T.S.



SECTION N.T.S.

I PEDESTAL CONTROLLER (CORNELL AND KANAN INTERSECTIONS)

J MASTER VALVE AND FLOW SENSOR

K PRESSURE REGULATOR

PREPARED BY:

 L. Newman Design Group, Inc.
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 ■ Planning
 ■ Horticulture
 ■ Biological Restoration
 ■ 31300 Via Coknas ■ Suite 104 ■ Westlake Village, CA 91362-3924
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REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

APPROVED BY:

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 Tel (213) 261-4040

ROBERT BOMBARDIER RLA 2464 xx/xx/xx DATE

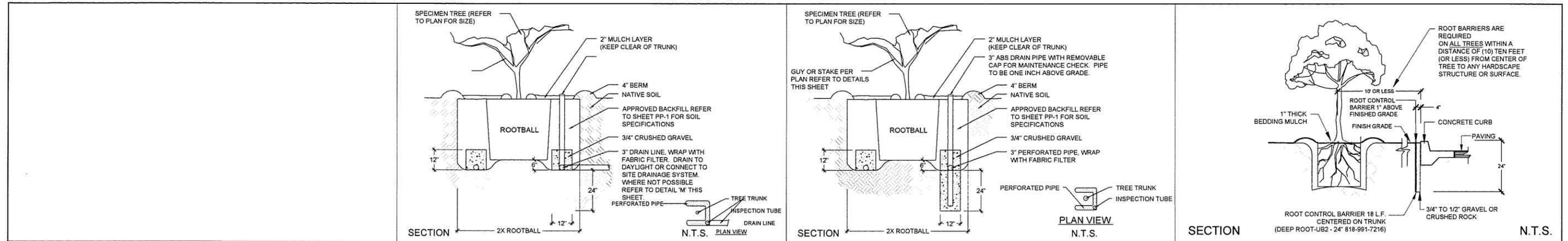
REVIEWED BY:
 CHARMINE YAMBAO 8/4/15 DATE
 ASSOCIATE CIVIL ENGINEER

APPROVED BY:
 RAMIRO ADEVA 8/4/15 DATE
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

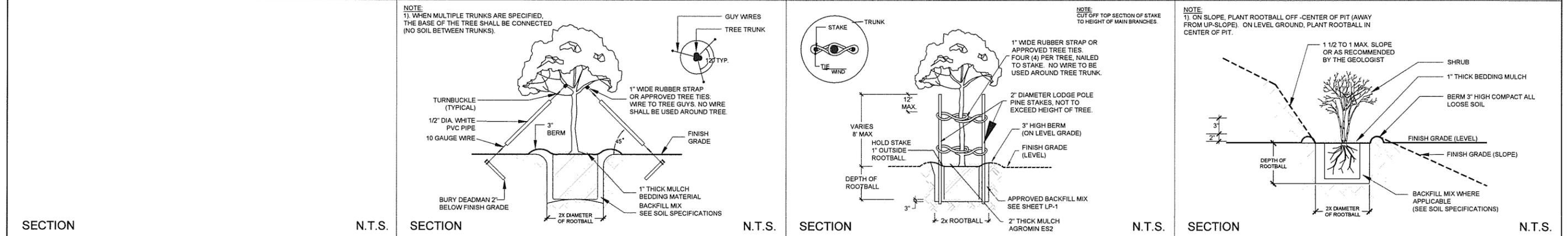
CITY OF AGOURA HILLS

DESIGNED BY: BB
 DRAWN BY: RK
 CHECKED BY: XX
 KHA JOB NUMBER: 099083026
 SHEET 42 OF 43

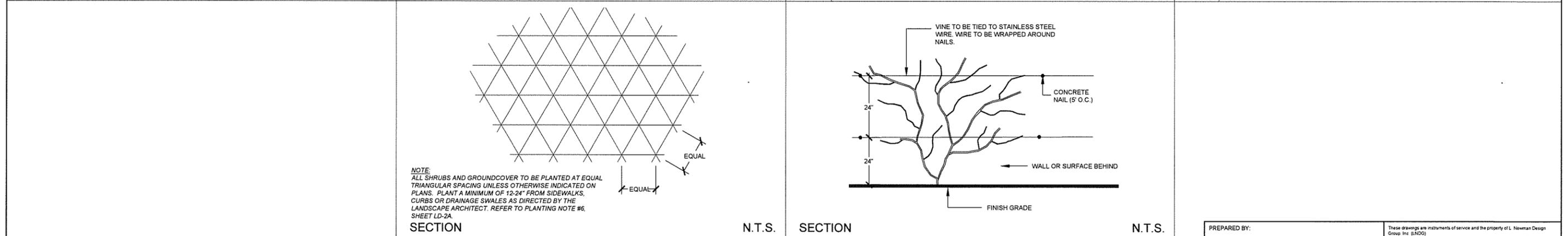
KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 CONSTRUCTION DETAILS CD-4



A **B** **C** **D**
SECTION **SECTION** **SECTION** **SECTION**
2X ROOTBALL **2X ROOTBALL** **2X ROOTBALL** **2X DETERMINED BY GEOTECH**
N.T.S. **N.T.S.** **N.T.S.** **N.T.S.**



E **F** **G** **H**
SECTION **SECTION** **SECTION** **SECTION**
N.T.S. **N.T.S.** **N.T.S.** **N.T.S.**



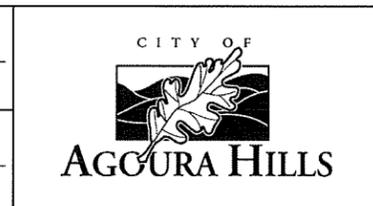
I **J** **K**
SECTION **SECTION** **SECTION**
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1		35%PS&E		08/04/15
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KANAN ROAD/AGOURA ROAD
 ULTIMATE INTERSECTION IMPROVEMENTS
 CONSTRUCTION DETAILS CD-5
 DESIGNED BY: BB DRAWN BY: RK CHECKED BY: XX KHA JOB NUMBER: 099083026
 SHEET 43 OF 43