


## REPORT TO CITY COUNCIL

**DATE:** MAY 22, 2019

**TO:** HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

**FROM:** GREG RAMIREZ, CITY MANAGER *h74 For G.R.*

**BY:** RAMIRO ADEVA, PUBLIC WORKS DIRECTOR/CITY ENGINEER 

**SUBJECT:** AUTHORIZATION TO COMPLETE 100% DESIGN PLANS AND DRAFT ENVIRONMENTAL DOCUMENT FOR THE KANAN ROAD/AGOURA ROAD ULTIMATE INTERSECTION IMPROVEMENTS PROJECT

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On November 8, 2017, the City Council directed staff to prepare the 95% design plans, as well as initiate the preparation of the draft environmental document for the Kanan Road/ Agoura Road Ultimate Intersection Improvements Project. A copy of the plans is attached for reference, as well as a chronology of the design process to date.

Staff is seeking direction from the City Council to complete the 100% design plans and draft environmental document for the Kanan Road/Agoura Road Ultimate Intersection Improvements Project.

If approved, staff expects to bring the final design plan set and environmental document for Council consideration by the end of the 2019 calendar year.

### RECOMMENDATION

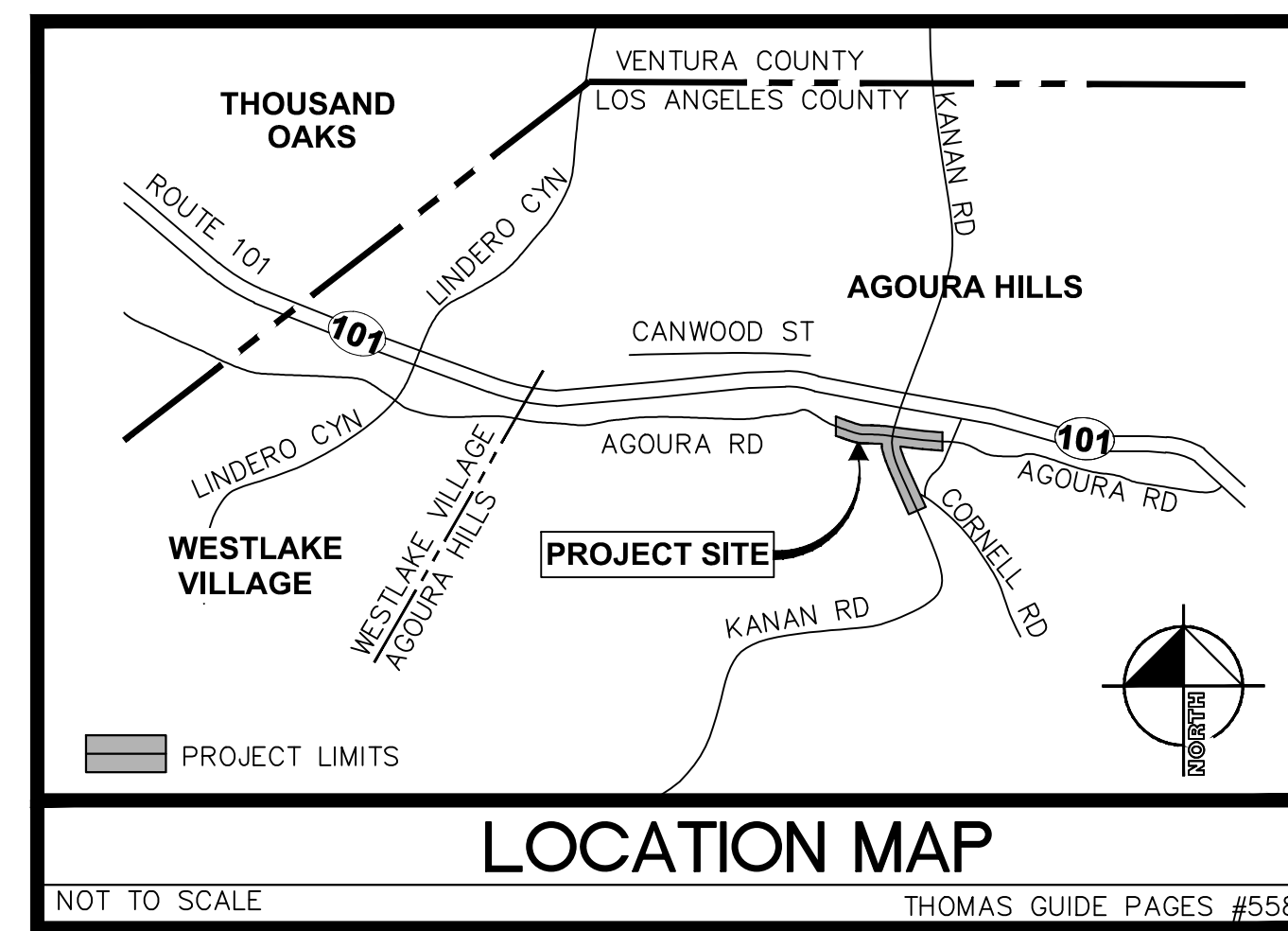
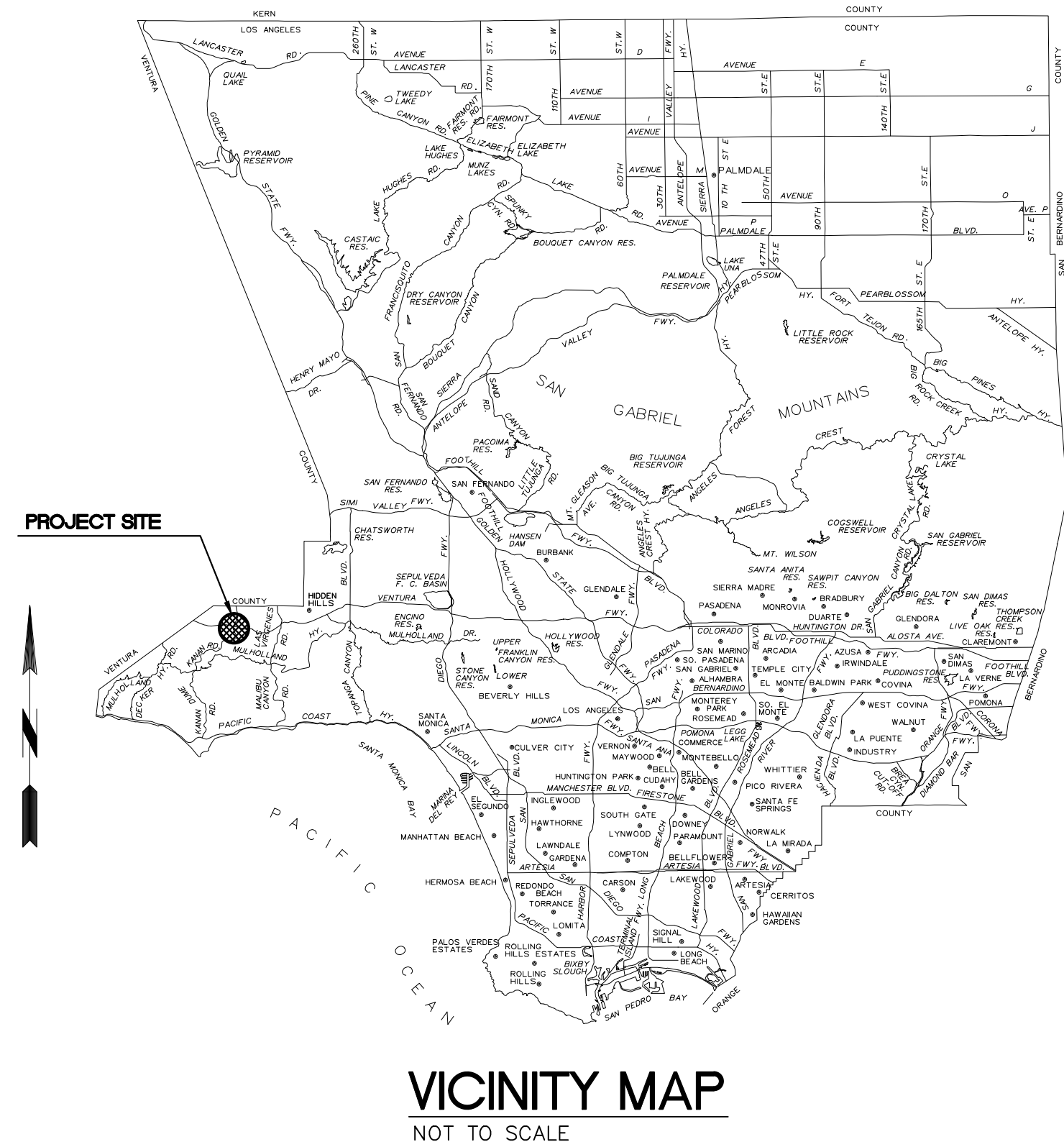
Staff respectfully recommends the City Council direct staff to complete the 100% design plans and draft environmental document.

Attachments: 95% Design Plans  
Chronology of Design Process

# Attachment 1

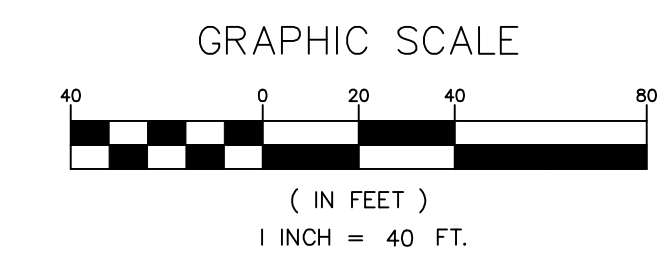
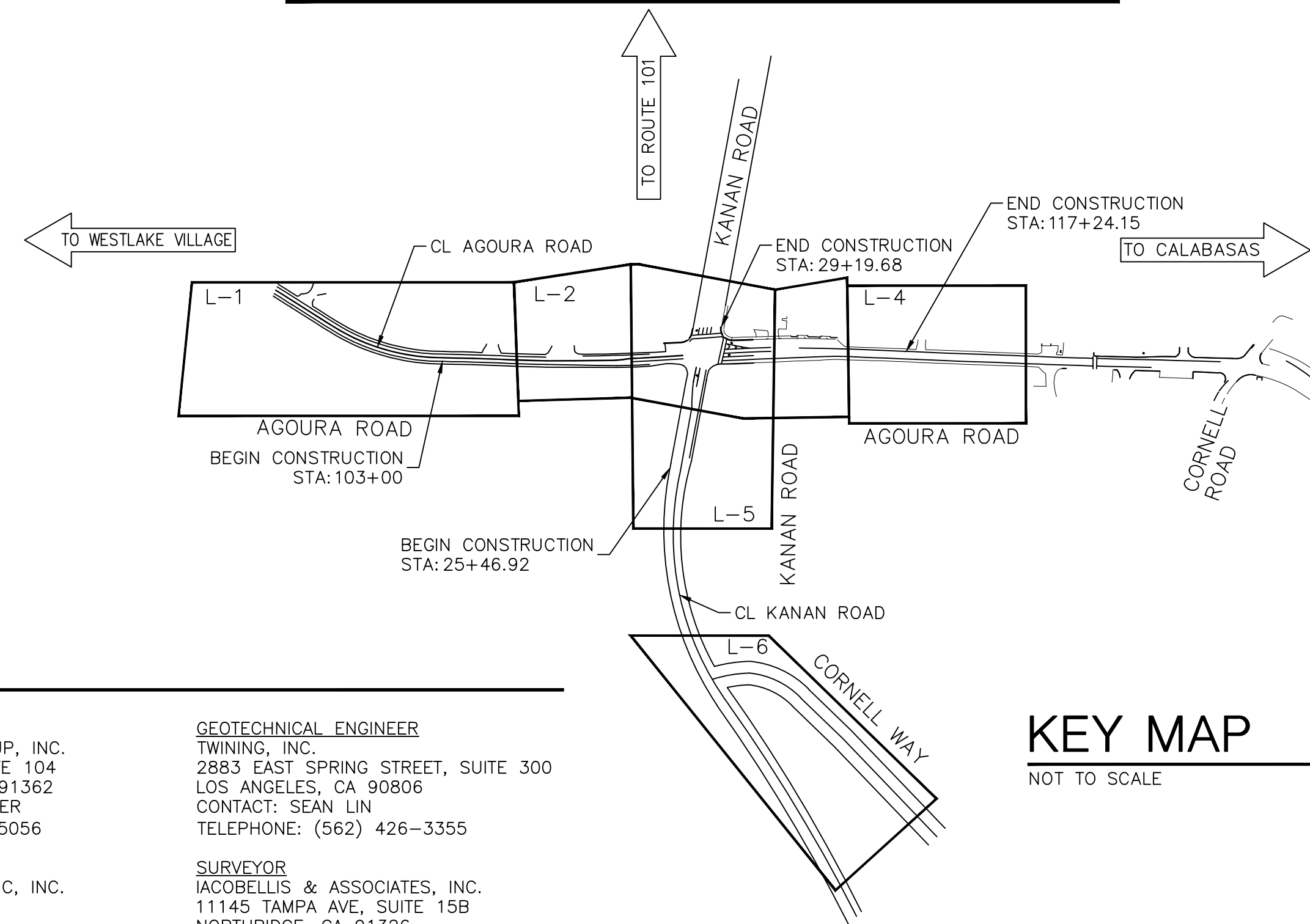
# CITY OF AGOURA HILLS KANAN ROAD/ AGOURA ROAD ULTIMATE INTERSECTION IMPROVEMENTS NIB - XX-XX

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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 CURV
BCR	BEGINNING OF REVERSE CURVE	PCC	PORTLAND CEMENT CONCRETE
CA TV (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



DIAL TOLL FREE  
8 1 1

Know what's below.  
Call before you dig.  
AT LEAST TWO DAYS  
BEFORE YOU DIG  
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

**CITY OF AGOURA HILLS**  
DEPARTMENT OF PUBLIC WORKS  
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AGOURA HILLS, CA 91301  
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LOS ANGELES, CA 90017  
CONTACT: SRIKANTH CHAKRAVARTHY  
TELEPHONE: (213) 261-4040

**LANDSCAPE ARCHITECT**  
L. NEWMAN DESIGN GROUP, INC.  
31300 VIA COLINAS, SUITE 104  
WESTLAKE VILLAGE, CA 91306  
CONTACT: BOB BOMBARDIER  
TELEPHONE: (818) 991-5056

**ENVIRONMENTAL**  
RINCON CONSULTANTS, INC., INC.  
180 NORTH ASHWOOD  
VENTURA, CA 93003  
CONTACT: JOE POWER  
TELEPHONE: (805) 644-4455

**GEOTECHNICAL ENGINEER**  
TWINING, INC.  
2883 EAST SPRING STREET, SUITE 300  
LOS ANGELES, CA 90806  
CONTACT: SEAN LIN  
TELEPHONE: (562) 426-3355

**SURVEYOR**  
IACOBELLIS & ASSOCIATES, INC.  
11145 TAMPA AVE, SUITE 15B  
NORTHridge, CA 91326  
CONTACT: MARK FOX  
TELEPHONE: (818) 366-9222

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 YAMBABO 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 42

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## GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2015 EDITION, THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC 2012), AND CITY OF AGOURA HILLS STANDARD PLANS. IN THE EVENT OF A CONFLICT BETWEEN THESE DOCUMENTS THE MOST STRINGENT REQUIREMENTS SHALL PREVAIL.
- 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.
- 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.
- 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.
- WHEN JOINING EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SAW-CUT EXISTING SIDEWALK AND/OR CURB AND GUTTER AT THE NEAREST SCORELINE.
- THE CONTRACTOR SHALL SAW-CUT ALL CONCRETE AND/OR ASPHALT PAVEMENT PRIOR TO EXCAVATION, AND AT THE NEAREST SCORE LINES WHERE APPROPRIATE.
- THE CONTRACTOR SHALL REPLACE ALL IMPROVEMENTS TO MATCH EXISTING THAT ARE DAMAGED OR REMOVED DURING CONSTRUCTION OPERATIONS.
- SHOULD CONFLICTING INFORMATION BE FOUND ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK IN QUESTION.
- 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.
- THREE WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT 811.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND LICENSES BEFORE COMMENCING WORK.
- 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.
- CONTRACTOR SHALL REPLACE AT CONTRACTOR'S COST, ALL TRAFFIC STRIPING AND MARKING ON THE STREET AFFECTED BY THE CONSTRUCTION.
- 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.
- 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.
- CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS TO THE CITY ENGINEER IMMEDIATELY UPON COMPLETION OF THE WORK.
- 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.
- THE CONTRACTOR SHALL BE AWARE OF OVERHEAD LINES AT ALL TIMES.
- STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON PLANS.
- 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.
- SHORING DESIGN, PLAN AND PERMITTING REQUIRED FOR EXCAVATIONS WILL BE PROVIDED BY CONTRACTOR.
- DIMENSIONS TO PIPE LINES ARE TO CENTERLINE, U.N.O.
- 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.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, SITE AND SOIL CONDITIONS BEFORE COMMENCING WORK AND SHALL REPORT DISCREPANCIES OR CONFLICTS TO THE ENGINEER.
- 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.
- 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.
- STORM DRAIN MANHOLES SHALL BE ADJUSTED TO GRADE PER LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD DWG NO. 3029-0 (SPPWC 324-2).
- CONSTRUCTION SURVEYING IS THE RESPONSIBILITY OF THE CONTRACTOR. SURVEYOR FOR THE CONTRACTOR SHALL BE A LICENSED SURVEYOR IN THE STATE OF CALIFORNIA.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH UTILITY OWNERS BEFORE START OF WORK, AND THROUGHOUT CONSTRUCTION.
- 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.
- CONTRACTOR TO MAINTAIN ACCESS TO EXISTING DRIVEWAYS AT ALL TIMES.
- 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.
- 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.
- CONTRACTOR SHALL SCHEDULE THE CONSTRUCTION OF THIS PROJECT AS DIRECTED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW AT ALL TIMES AS DIRECTED IN THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL NOTIFY CITY OF AGOURA HILLS AND MTA BUS LINES OF ANY STREET CLOSURES THREE WORKING DAYS PRIOR TO BEGINNING ANY WORK.
- ALL IMPORTED SOIL USED FOR BACKFILL SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
- 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.

## 95% SUBMITTAL

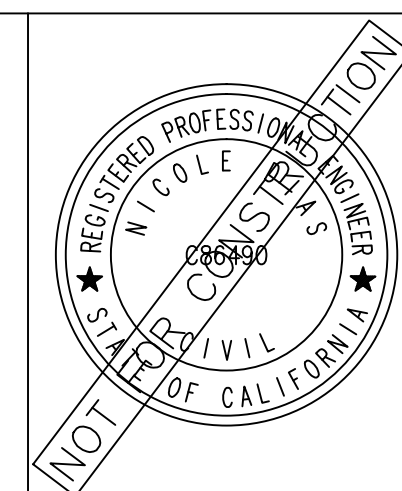
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PREPARED BY:

**Kimley»Horn**

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NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:

\_\_\_\_\_  
CHARMAINE YAMBEO DATE  
ASSOCIATE CIVIL ENGINEER

APPROVED BY:

\_\_\_\_\_  
RAMIRO ADEVA DATE  
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



KANAN ROAD/AGOURA ROAD  
ULTIMATE INTERSECTION IMPROVEMENTS  
GENERAL NOTES

DESIGNED BY: ND	DRAWN BY: CG	CHECKED BY: AC	KHA JOB NUMBER 099083026
SHEET			2 OF 42

## GENERAL NOTES (SIGNING AND STRIPING ONLY)

- 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.
- 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.
- ALL LANE LINES AT INTERSECTION APPROACHES SHALL BEGIN AND END WITH 50' OF SOLID WHITE.
- ALL ARROWS SHALL BE THERMOPLASTIC TYPE IV (L OR R), UNLESS OTHERWISE INDICATED.
- LANE WIDTHS SHALL BE MEASURED BETWEEN THE CENTER LINES OF EACH ADJACENT SINGLE OR DOUBLE STRIPE OR FACE OF CURB AS APPROPRIATE.
- 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.
- PROPOSED LANE LINES SHALL MATCH EXISTING LANE LINES AT LIMITS OF CONSTRUCTION, UNLESS OTHERWISE INDICATED.
- SIGN POSTS SHALL BE "UNISTRUT" 2" SQUARE GALVANIZED STEEL POSTS WITH BREAKAWAY ANCHOR SLEEVE, OR APPROVED EQUAL.
- 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)

- 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.
- ALL CONDUIT SHALL BE PLACED BEHIND CURB EXCEPT AT INTERSECTIONS.
- ALL INSTALLATION SHALL CONFORM TO THE GENERAL NOTES IN THE CITY OF AGOURA HILLS STANDARD PLANS.

## GENERAL NOTES (OAK TREES)

- 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.
- 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

- 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.
- 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.
- 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.

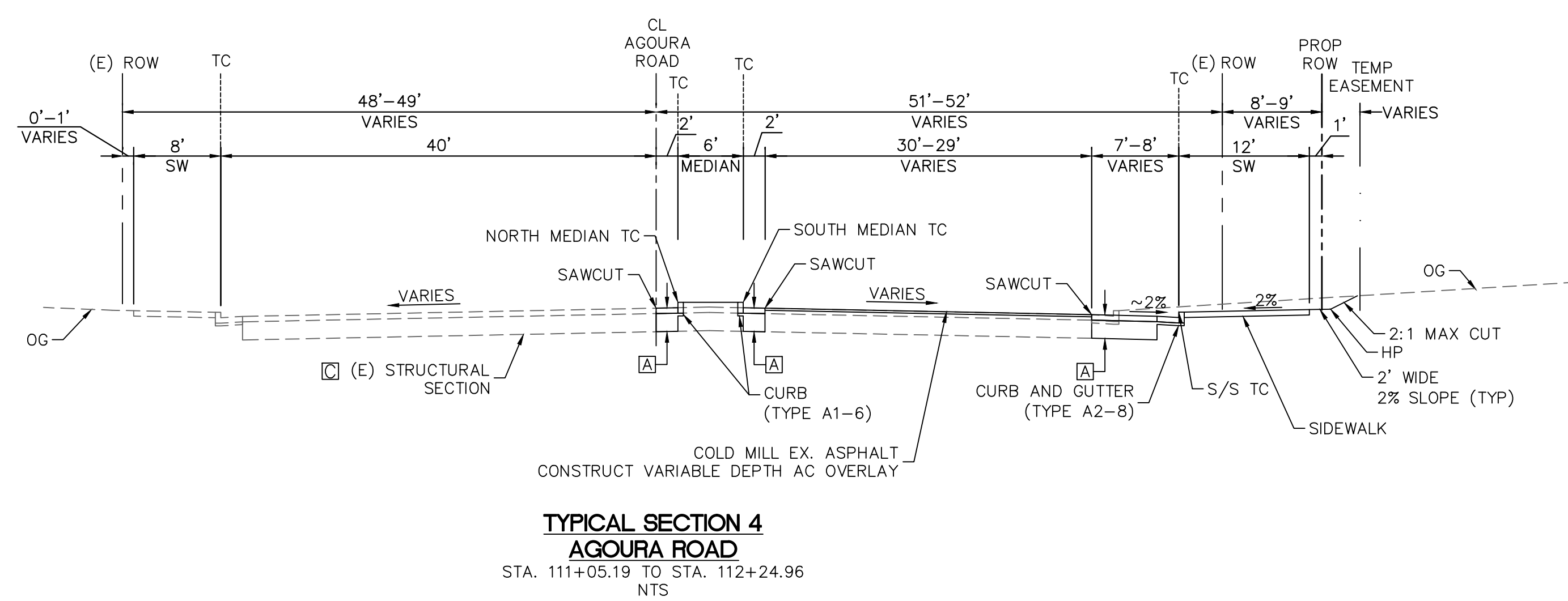
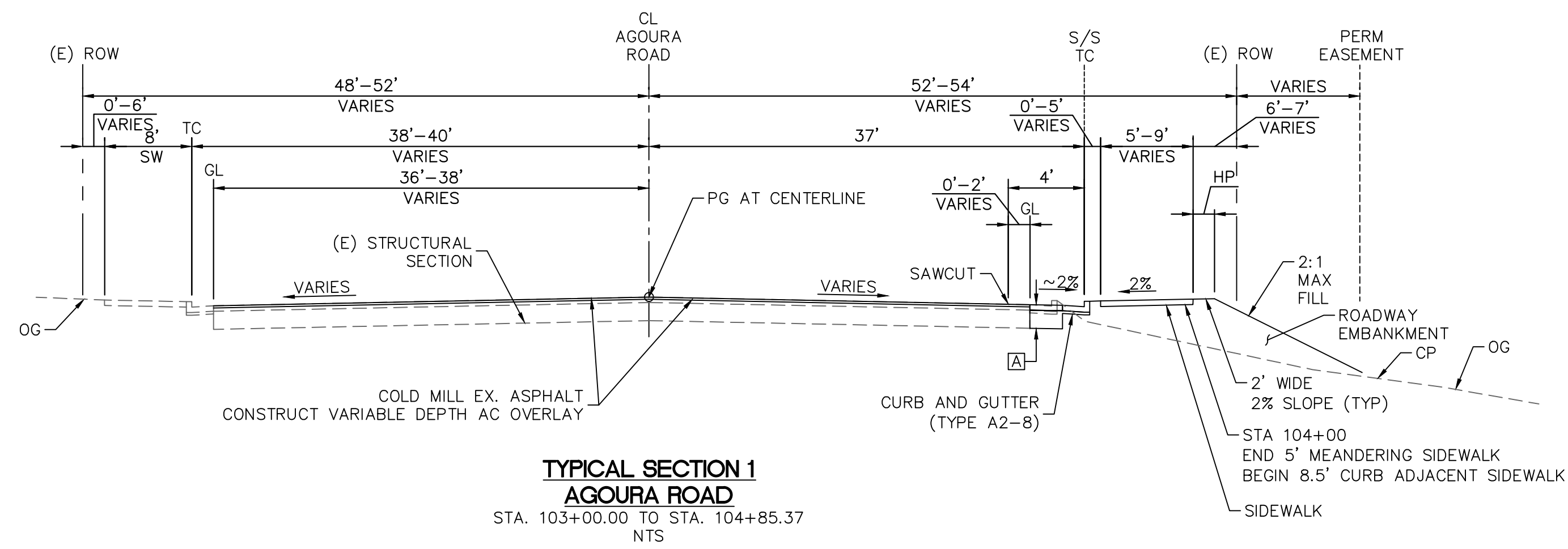
GEOTECHNICAL ENGINEER/GEOLOGIST	REGISTRATION NO.	DATE

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.

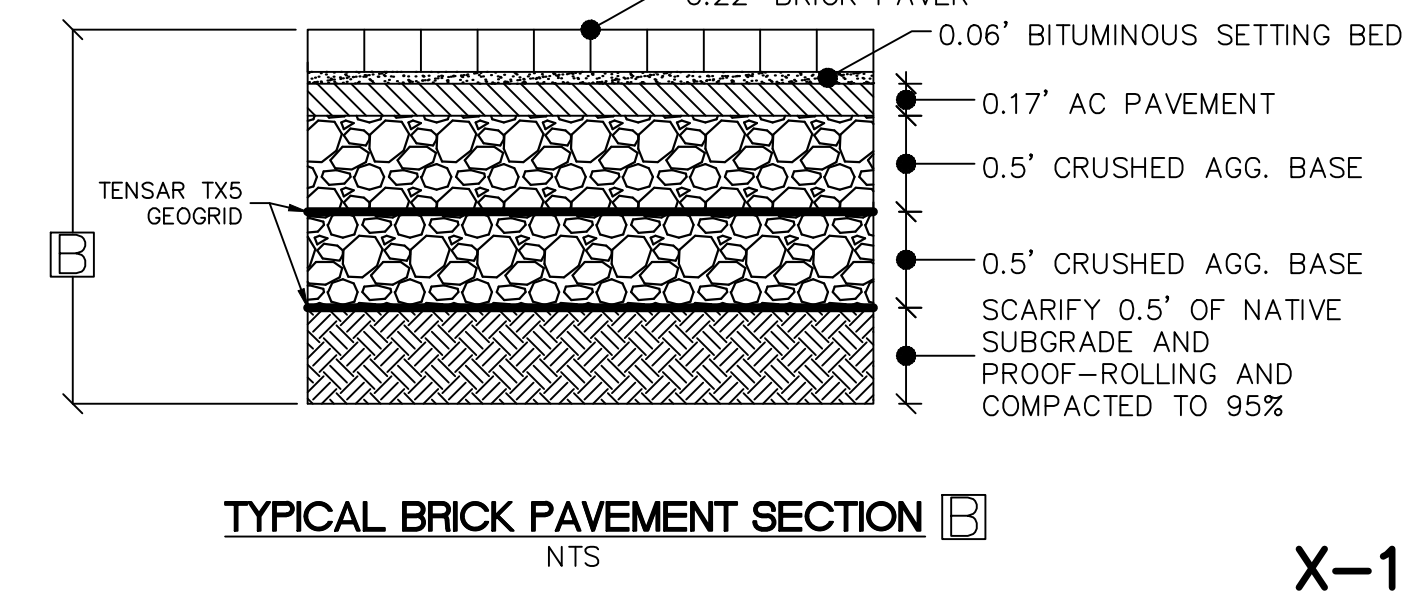
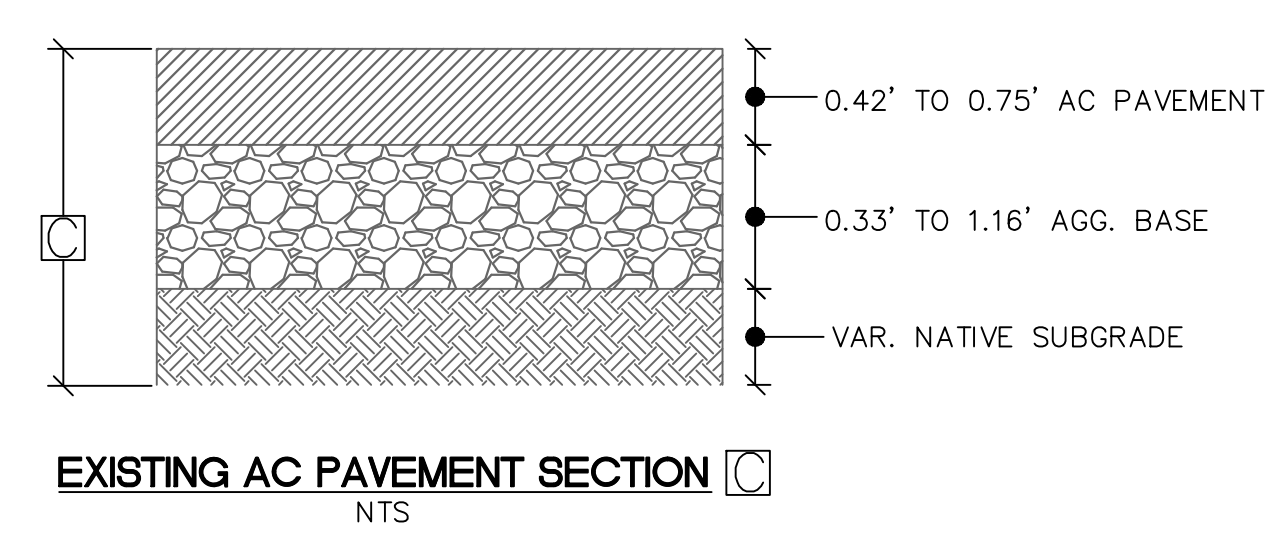
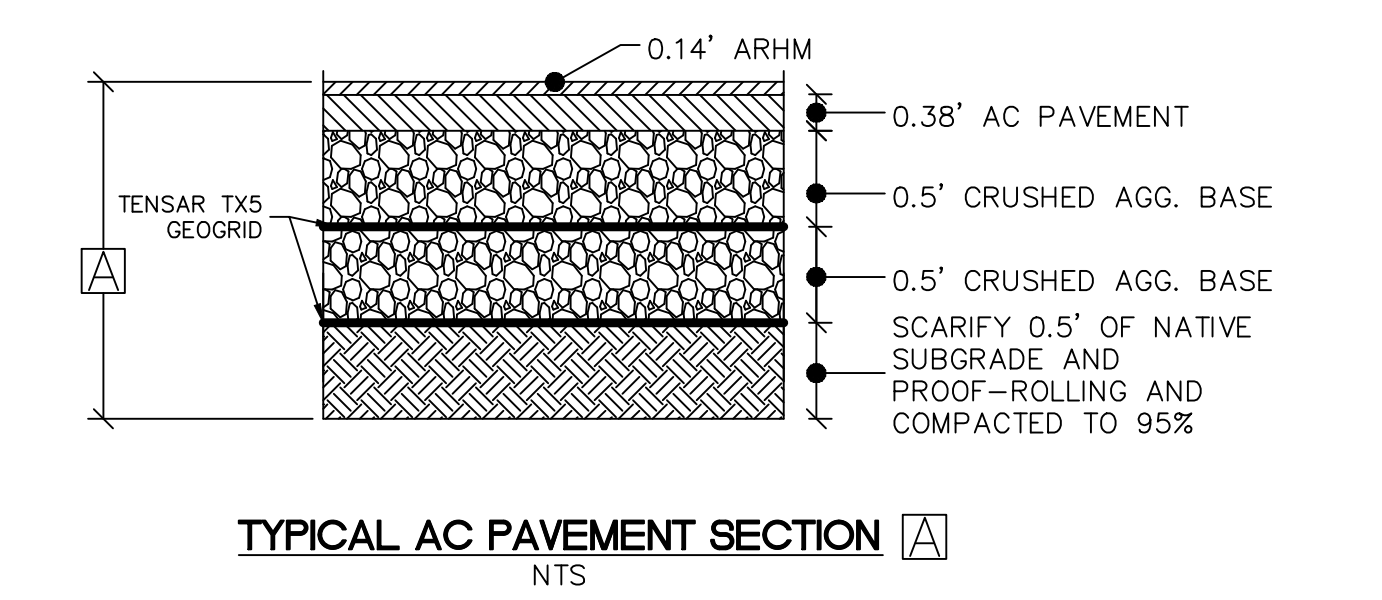
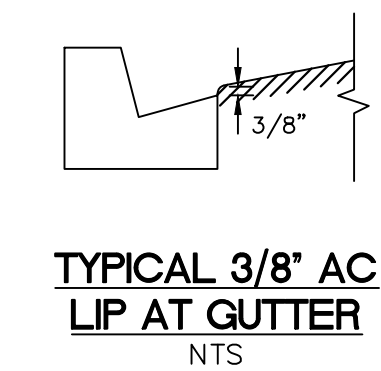
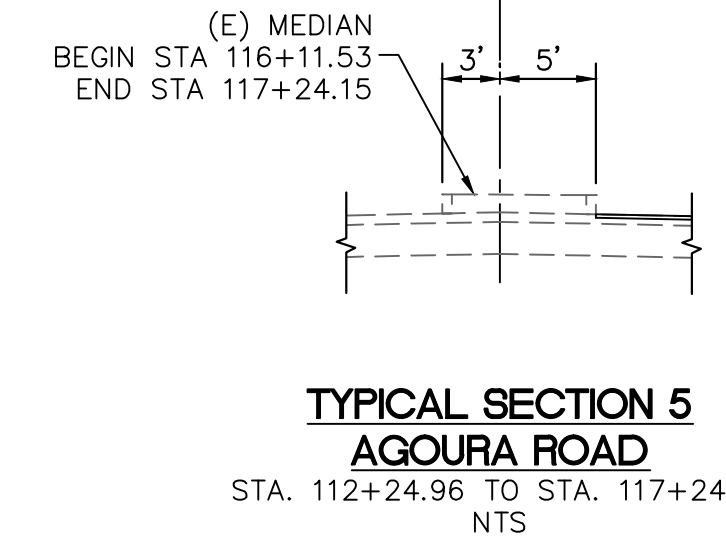
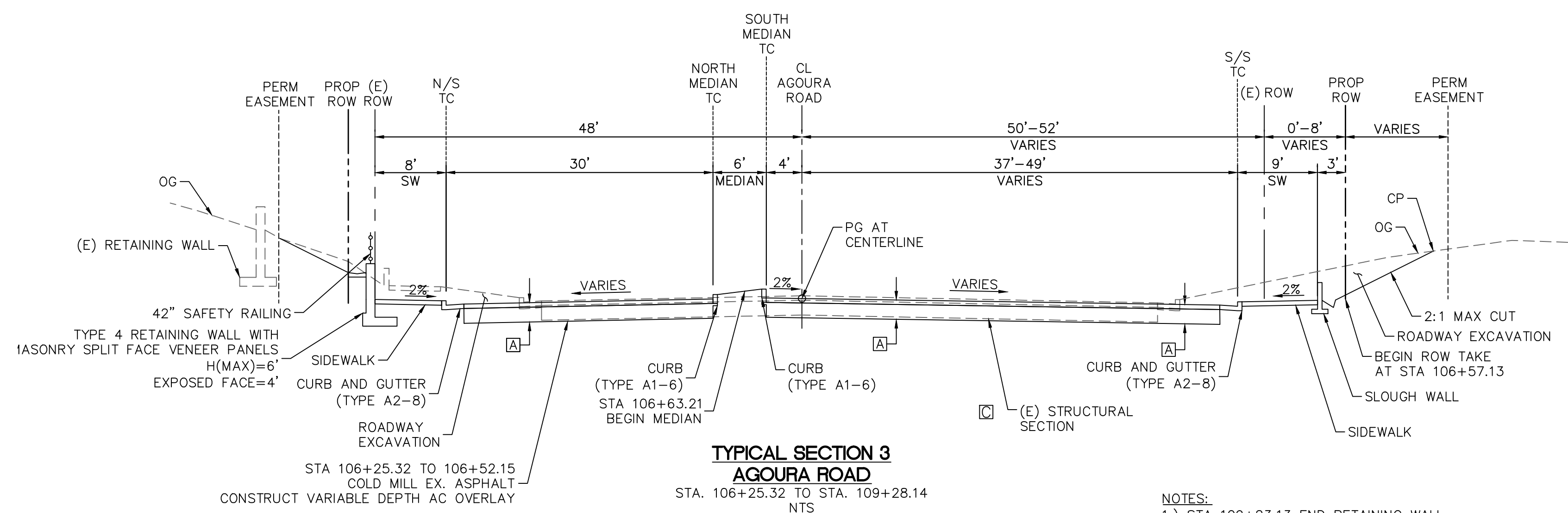
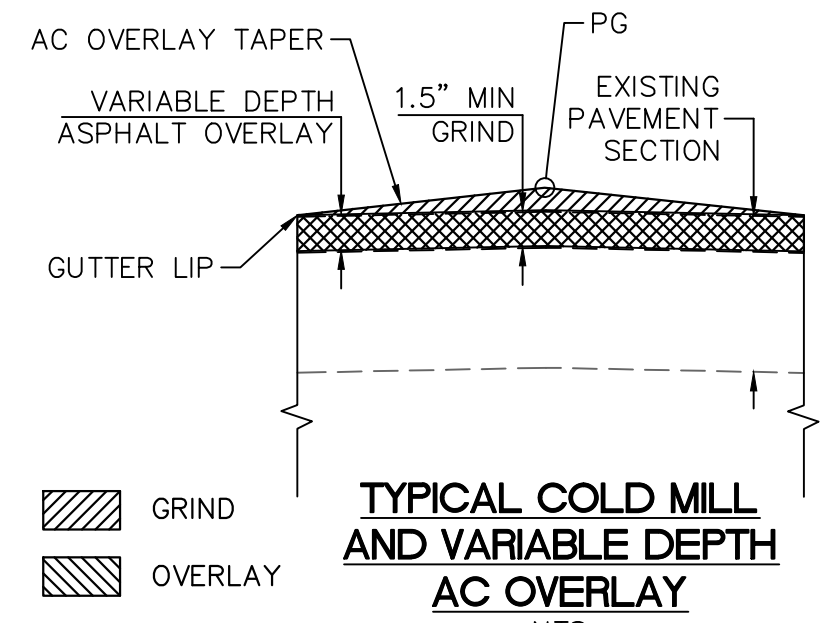
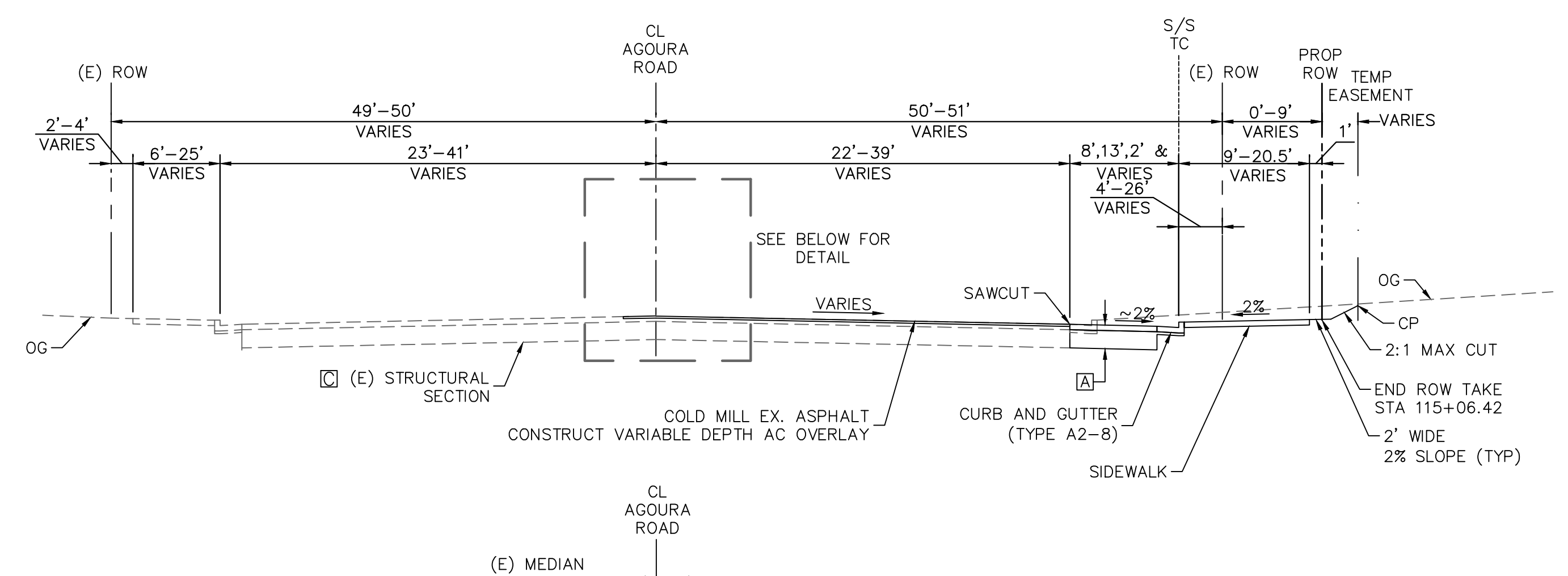
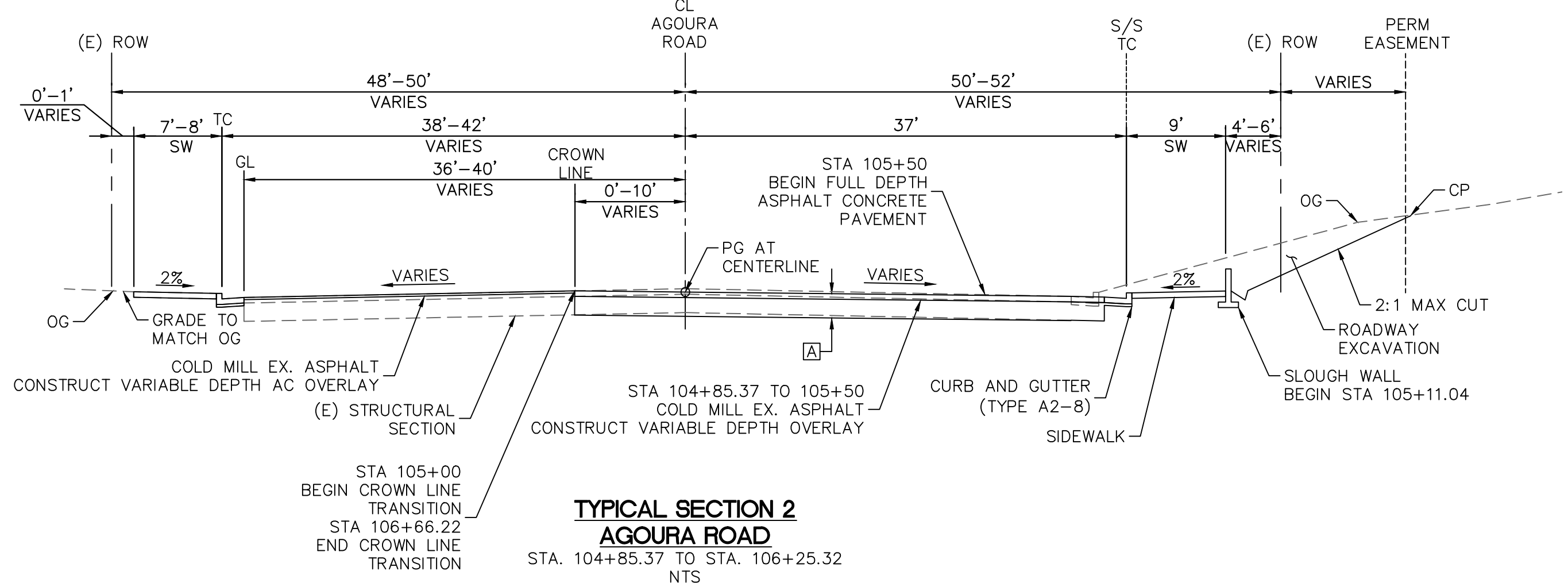
## UTILITY CONTACTS

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





- 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)

**95% SUBMITTAL**

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

NICOLE DIAS R.C.E. C86490 DATE



REVIEWED BY:

CHARMAINE 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

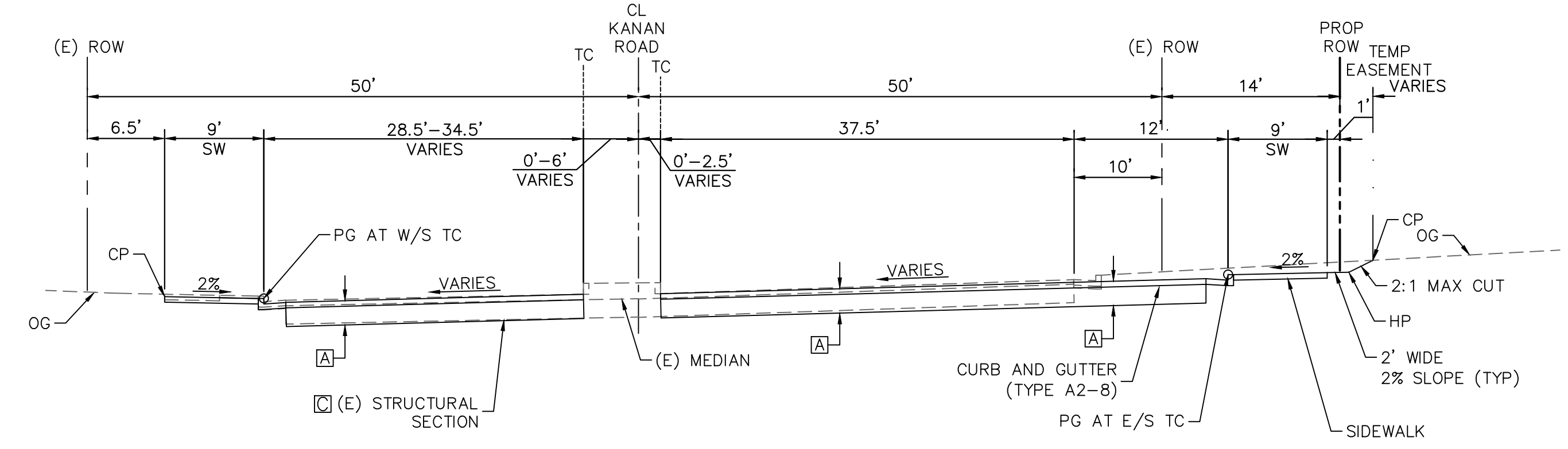
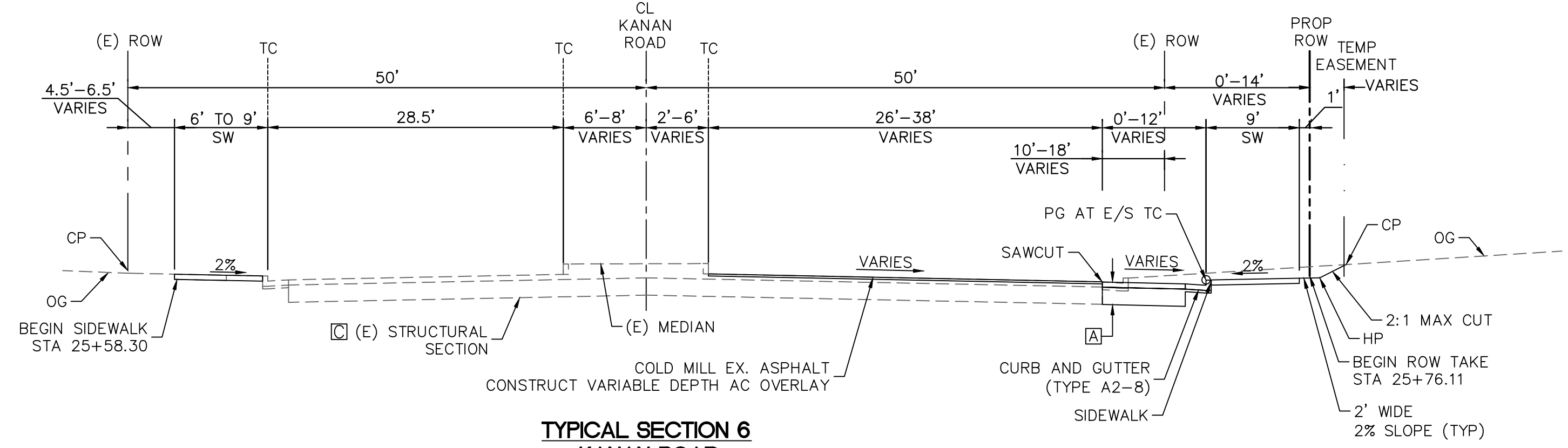
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DRAWN BY: CG  
CHECKED BY: AC

KHA JOB NUMBER: 099083026

SHEET 3 OF 42

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



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X-2

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

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**Kimley»Horn**  
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 CHARMINE YAMBABO DATE  
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APPROVED BY:  
 RAMIRO ADEVA DATE  
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



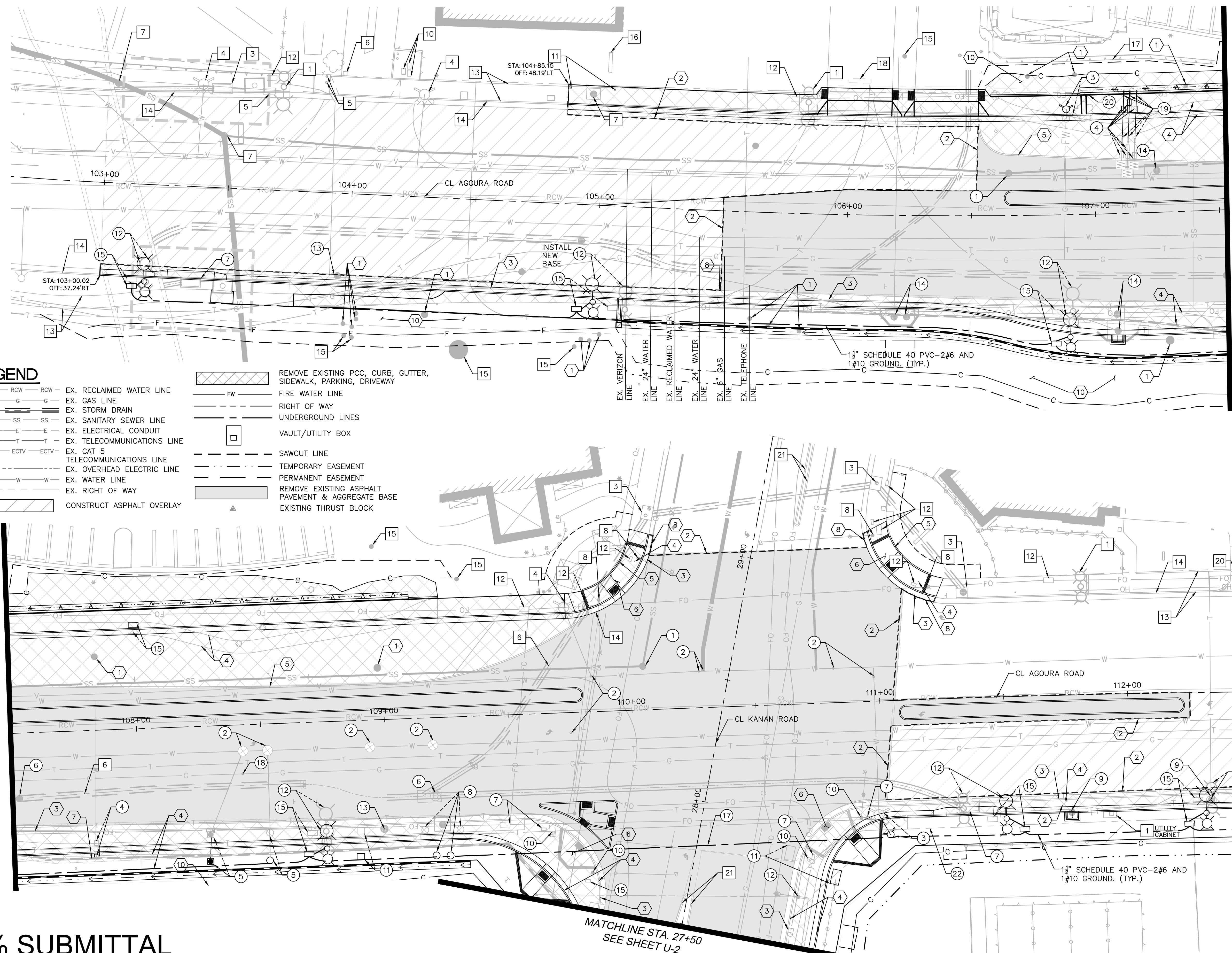
KANAN ROAD/AGOURA ROAD  
 ULTIMATE INTERSECTION IMPROVEMENTS

TYPICAL SECTIONS

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

SHEET 4 OF 42

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**NOTES**

**PROTECT-IN-PLACE**

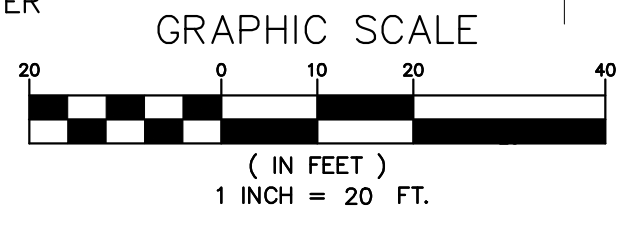
- |                               |                       |
|-------------------------------|-----------------------|
| 1 EX. STREET LIGHT AND POLE   | 13 EX. SIDEWALK       |
| 2 EX. UTILITY BOX             | 14 EX. CURB & GUTTER  |
| 3 EX. STORM DRAIN CATCH BASIN | 15 EX. TREE(S)        |
| 4 EX. FIRE 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



**LEGEND**

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

**95% SUBMITTAL**

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:

**Kimley»Horn**

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ASSOCIATE CIVIL ENGINEER

APPROVED BY:

RAMIRO ADEVA DATE  
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



KANAN ROAD/AGOURA ROAD  
ULTIMATE INTERSECTION IMPROVEMENTS

DEMOLITION/UTILITY PLANS

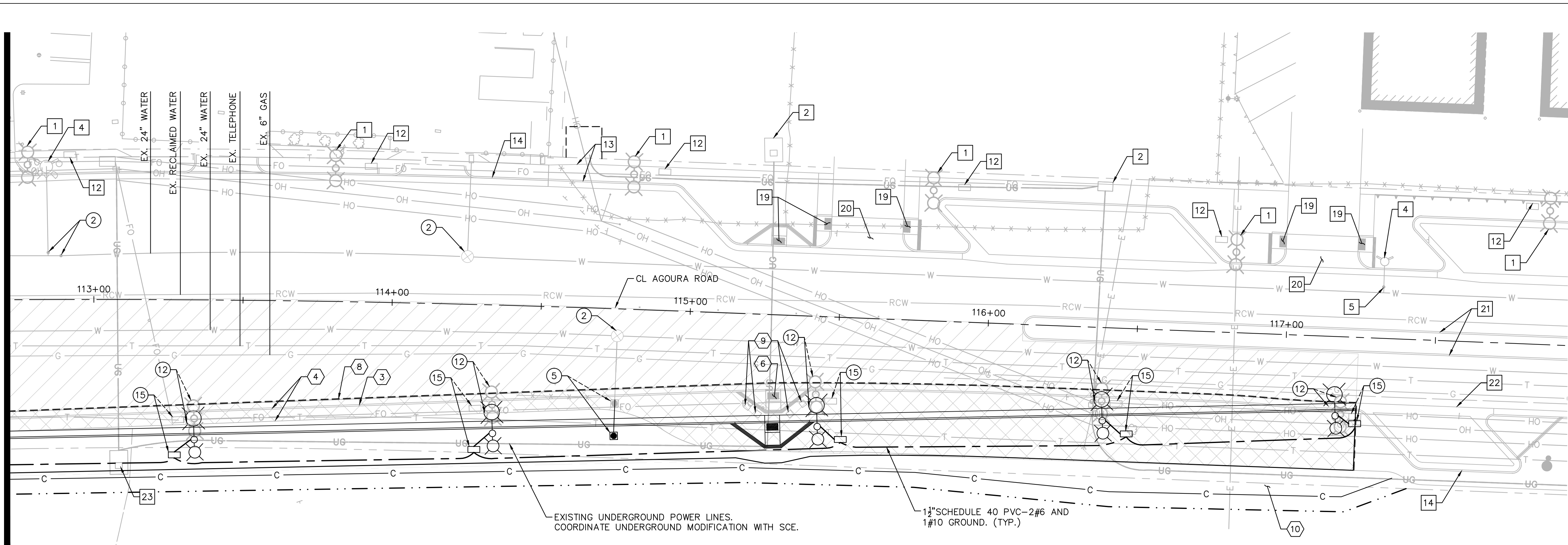
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DRAWN BY: CG  
CHECKED BY: AC  
KHA JOB NUMBER: 099083026

SHEET 5 OF 42

U-1

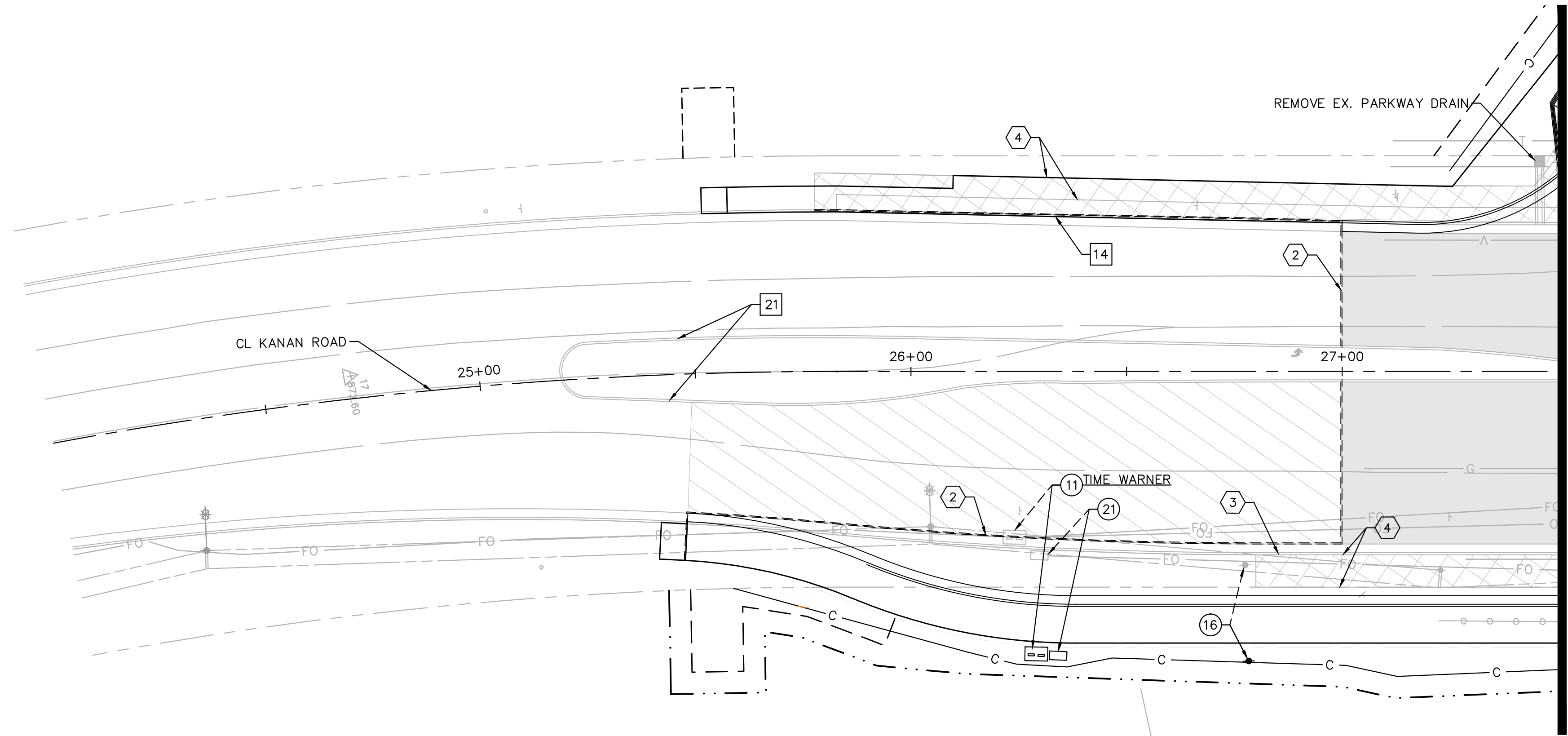
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MATCHLINE STA. 112+50  
SEE SHEET U-1



**LEGEND**

- RCW - RCW - RCW - EX. RECLAIMED WATER LINE
- G - G - G - EX. GAS LINE
- SD - SD - SD - 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
- OH - OH - OH - EX. OVERHEAD ELECTRIC LINE
- W - W - W - EX. WATER LINE
- RW - RW - RW - EX. RIGHT OF WAY
- [Hatched Box] CONSTRUCT ASPHALT OVERLAY
- [Cross-hatched Box] REMOVE EXISTING PCC, CURB, GUTTER, SIDEWALK, PARKING, DRIVEWAY
- FW - FW - FW - FIRE WATER LINE
- RW - RW - RW - RIGHT OF WAY
- UG - UG - UG - UNDERGROUND LINES
- [Square Box] VAULT/UTILITY BOX
- - - SAWCUT LINE
- - - TEMPORARY EASEMENT
- - - PERMANENT EASEMENT
- [Hatched Box] REMOVE EXISTING ASPHALT PAVEMENT & AGGREGATE BASE
- [Triangle] EXISTING THRUST BLOCK



MATCHLINE STA. 27+50  
SEE SHEET U-1

**NOTES**

**PROTECT-IN-PLACE**

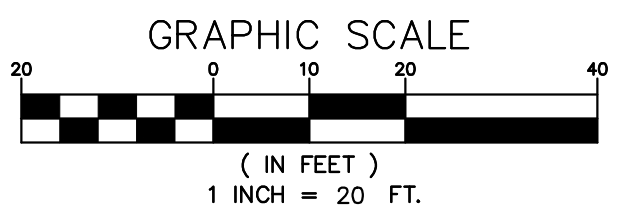
- |                               |                       |
|-------------------------------|-----------------------|
| 1 EX. STREET LIGHT AND POLE   | 13 EX. SIDEWALK       |
| 2 EX. UTILITY BOX             | 14 EX. CURB & GUTTER  |
| 3 EX. STORM DRAIN CATCH BASIN | 15 EX. TREE(S)        |
| 4 EX. FIRE HYDRANT            | 16 EX. SIGN           |
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| 10 EX. WATER METER            | 22 EX. CROSS GUTTER   |
| 11 EX. VENT                   | 23 EX. TRANSFORMER    |
| 12 EX. PULL BOX               |                       |

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- 1 REMOVE AND RELOCATE EX. TREE(S) (SEE PLAN FOR SIZE AND TYPE)
- 2 SAWCUT EX. PAVEMENT
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- 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
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- 7 REMOVE CATCH BASIN/INLET PER STORM DRAIN PLANS.
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- 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.
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- 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



**95% SUBMITTAL**

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:

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ASSOCIATE CIVIL ENGINEER

APPROVED BY:

RAMIRO ADEVA DATE  
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



KANAN ROAD/AGOURA ROAD  
ULTIMATE INTERSECTION IMPROVEMENTS

DEMOLITION/UTILITY PLANS

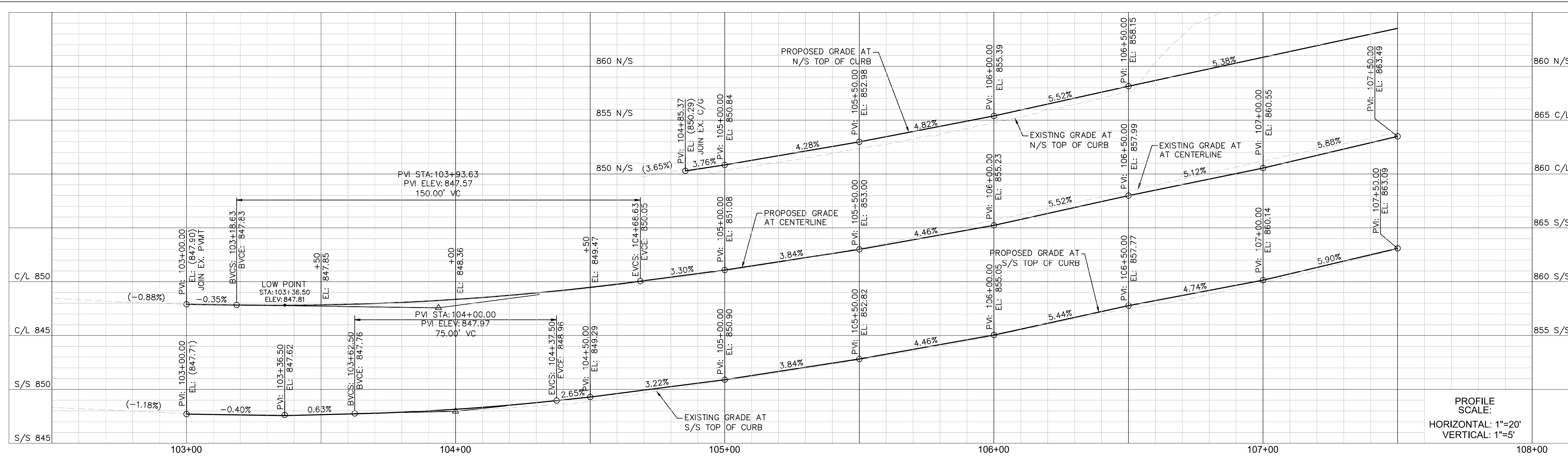
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DRAWN BY: CG  
CHECKED BY: AC  
KHA JOB NUMBER: 099083026

SHEET 6 OF 42

U-2

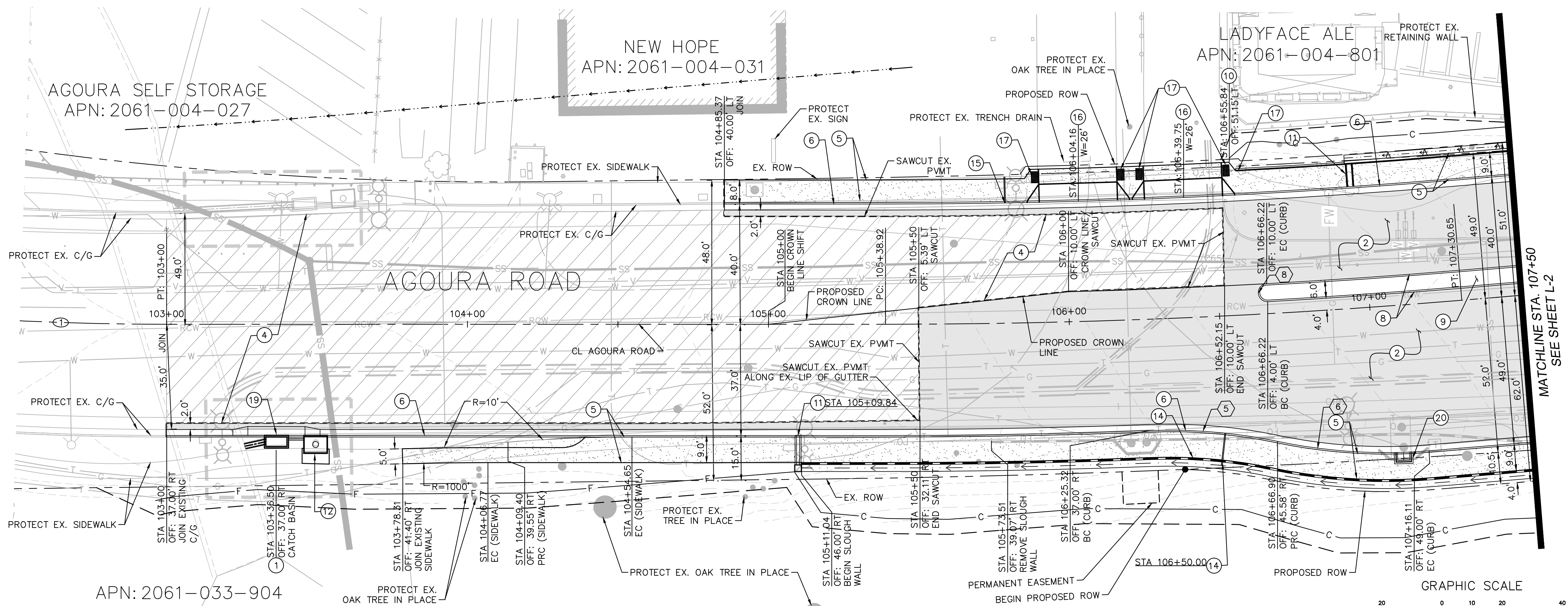
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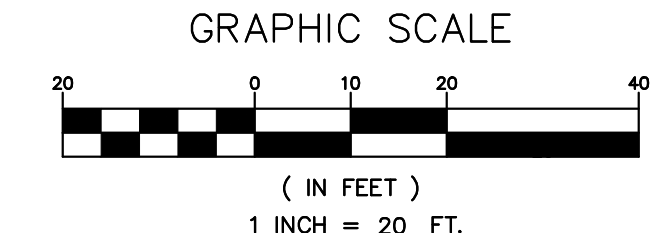
- ### LEGEND
- CONSTRUCT ASPHALT OVERLAY
  - CONSTRUCT ASPHALT CONCRETE PAVEMENT
  - CONSTRUCT DECORATIVE PAVEMENT
  - PROPOSED RIGHT OF WAY
  - EX. RIGHT OF WAY
  - SAWCUT LINE
  - SLOUGH WALL
  - RETAINING WALL
  - EXTENT OF EARTHWORK CUT
  - EXTENT OF EARTHWORK FILL
  - TEMPORARY EASEMENT
  - PERMANENT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

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



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REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:

**Kimley»Horn**

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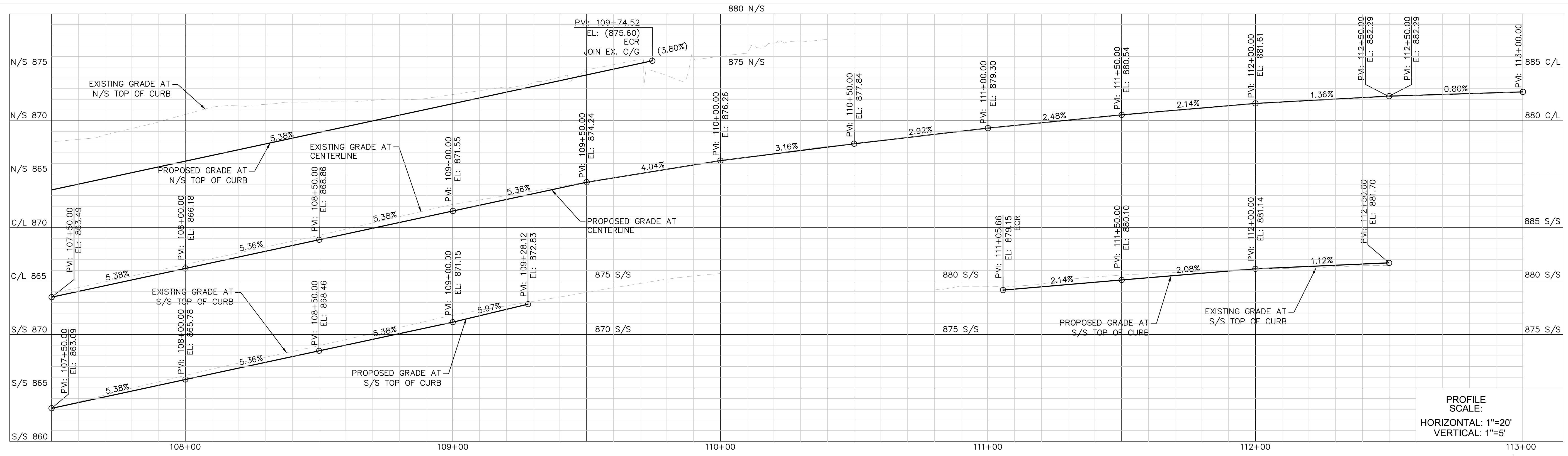
KANAN ROAD/AGOURA ROAD  
ULTIMATE INTERSECTION IMPROVEMENTS

STREET PLANS

DESIGNED BY: ND  
DRAWN BY: CG  
CHECKED BY: AC

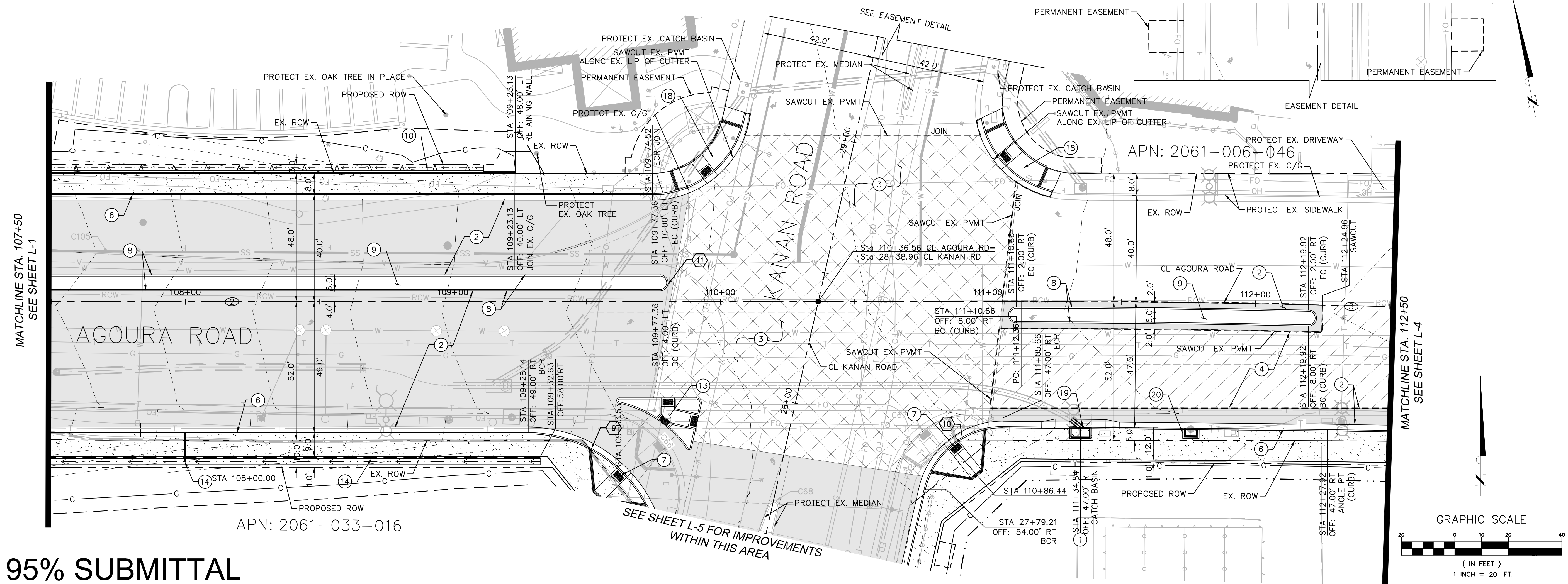
KHA JOB NUMBER: 099083026

SHEET 7 OF 42



- ### 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.
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  - 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'

**95% SUBMITTAL**

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:

**Kimley»Horn**

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ASSOCIATE CIVIL ENGINEER

APPROVED BY:

RAMIRO ADEVA DATE  
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



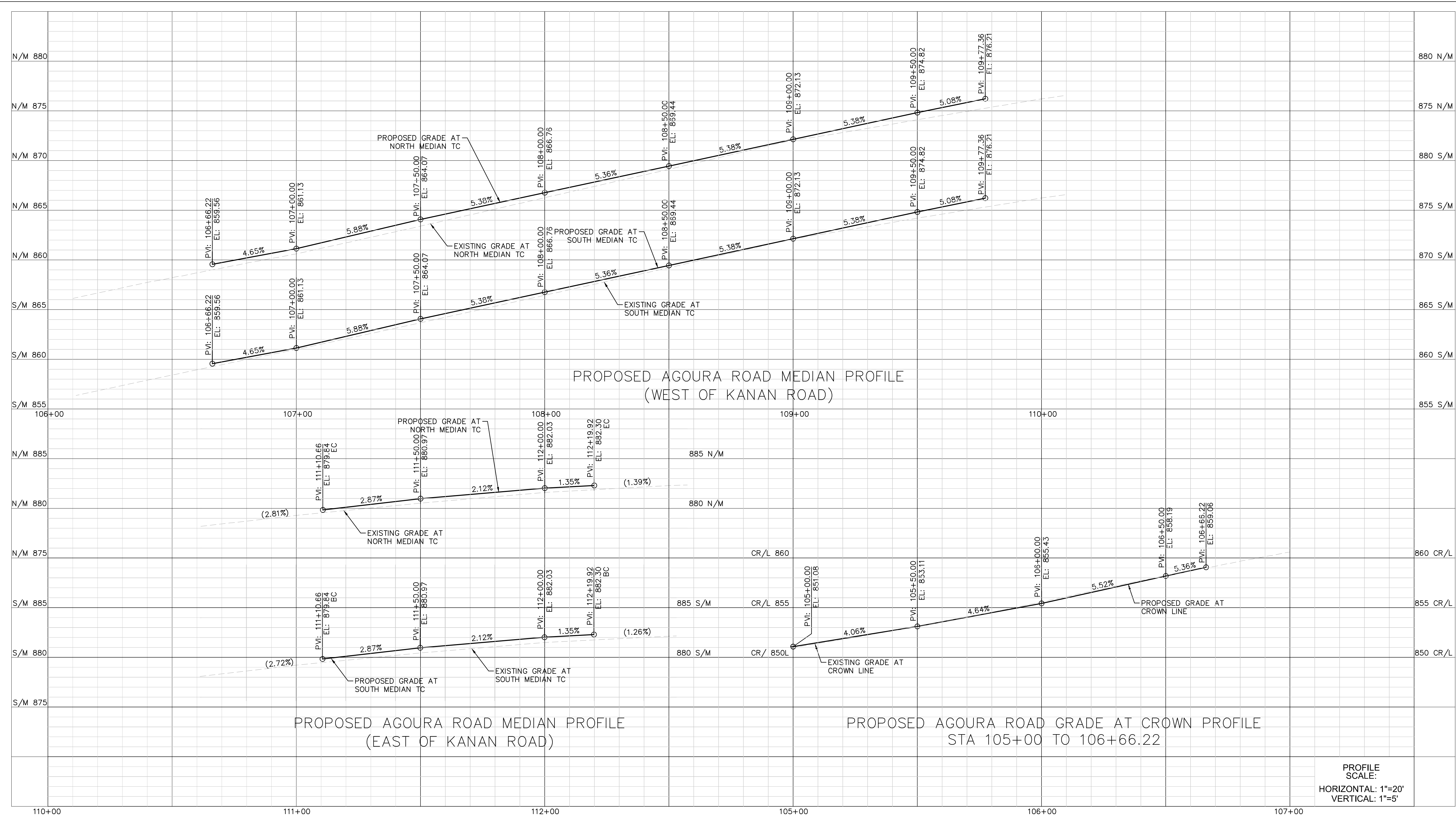
KANAN ROAD/AGOURA ROAD  
ULTIMATE INTERSECTION IMPROVEMENTS

STREET PLANS

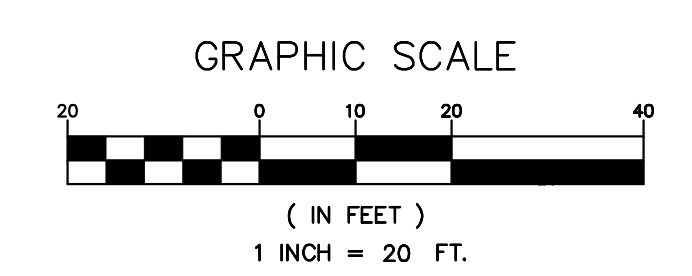
DESIGNED BY: ND  
DRAWN BY: CG  
CHECKED BY: AC

KHA JOB NUMBER: 099083026

SHEET 8 OF 42



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



95% SUBMITTAL

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

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



KANAN ROAD/AGOURA ROAD  
 ULTIMATE INTERSECTION IMPROVEMENTS

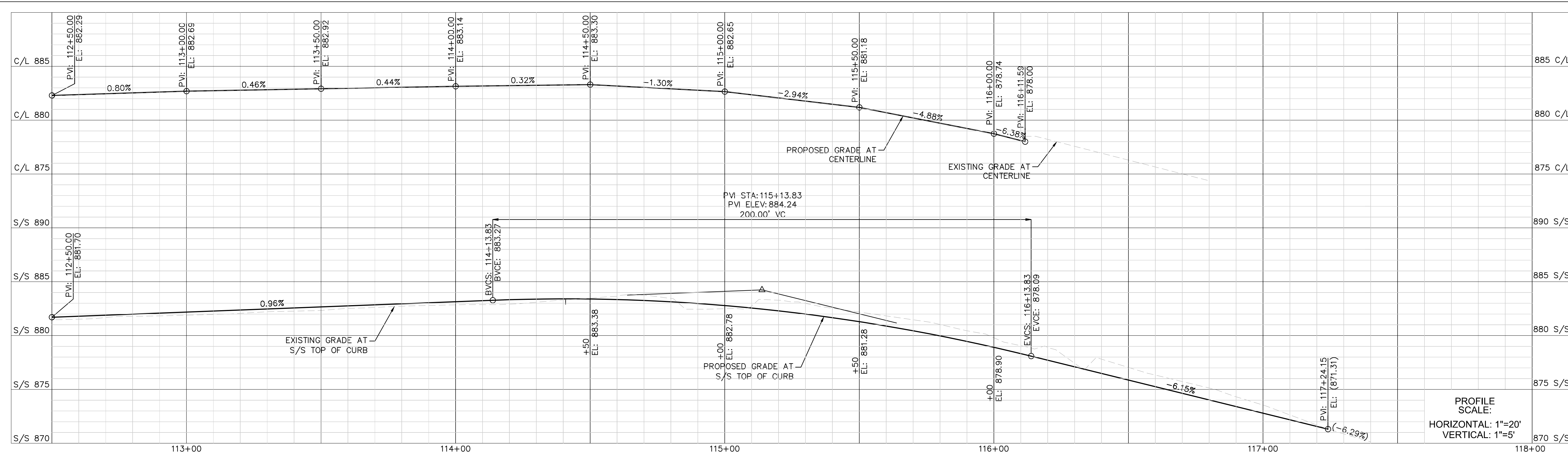
STREET PROFILES

DESIGNED BY: ND  
 DRAWN BY: CG  
 CHECKED BY: AC

KHA JOB NUMBER: 099083026

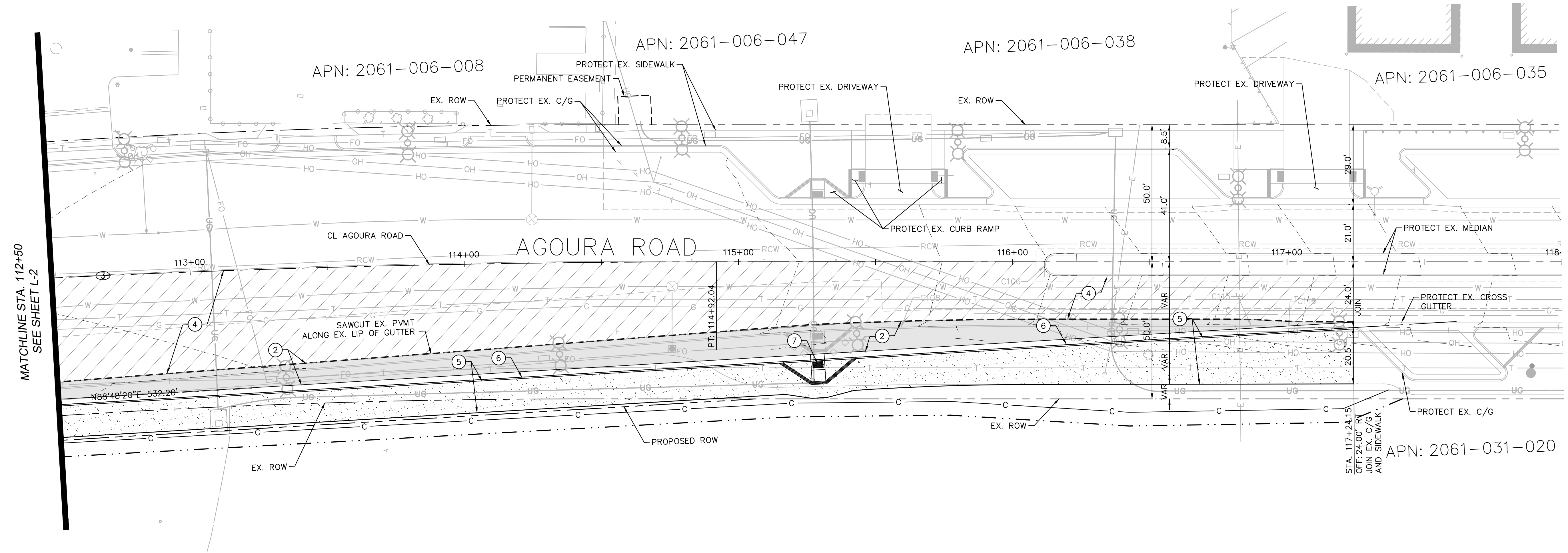
SHEET 9 OF 42

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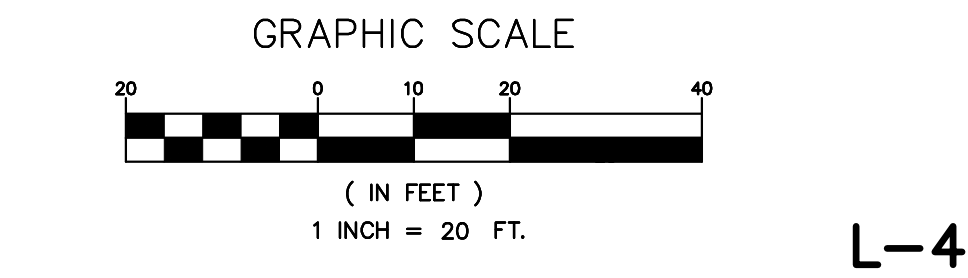
- ### LEGEND
- CONSTRUCT ASPHALT OVERLAY
  - CONSTRUCT ASPHALT CONCRETE PAVEMENT
  - CONSTRUCT DECORATIVE PAVEMENT
  - PROPOSED RIGHT OF WAY
  - EX. RIGHT OF WAY
  - SAWCUT LINE
  - SLOUGH WALL
  - RETAINING WALL
  - EXTENT OF EARTHWORK CUT
  - EXTENT OF EARTHWORK FILL
  - TEMPORARY EASEMENT
  - PERMANENT 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.
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  10. CONSTRUCT TYPE 4 RETAINING WALL PER SPPWC STD. PLAN 613-4.
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  12. CONSTRUCT URBANGREEN BIOFILTER PER CONSTRUCTION DETAIL SHEET CD-5.
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  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'



95% SUBMITTAL

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

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

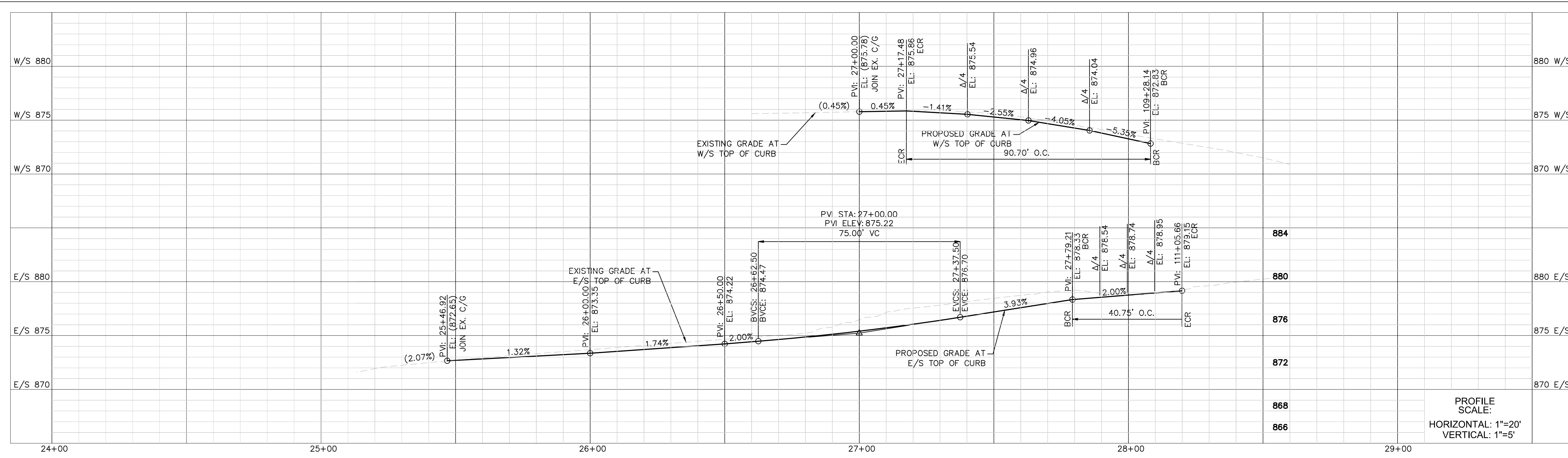
STREET PLANS

DESIGNED BY: ND  
DRAWN BY: CG  
CHECKED BY: AC

KHA JOB NUMBER: 099083026

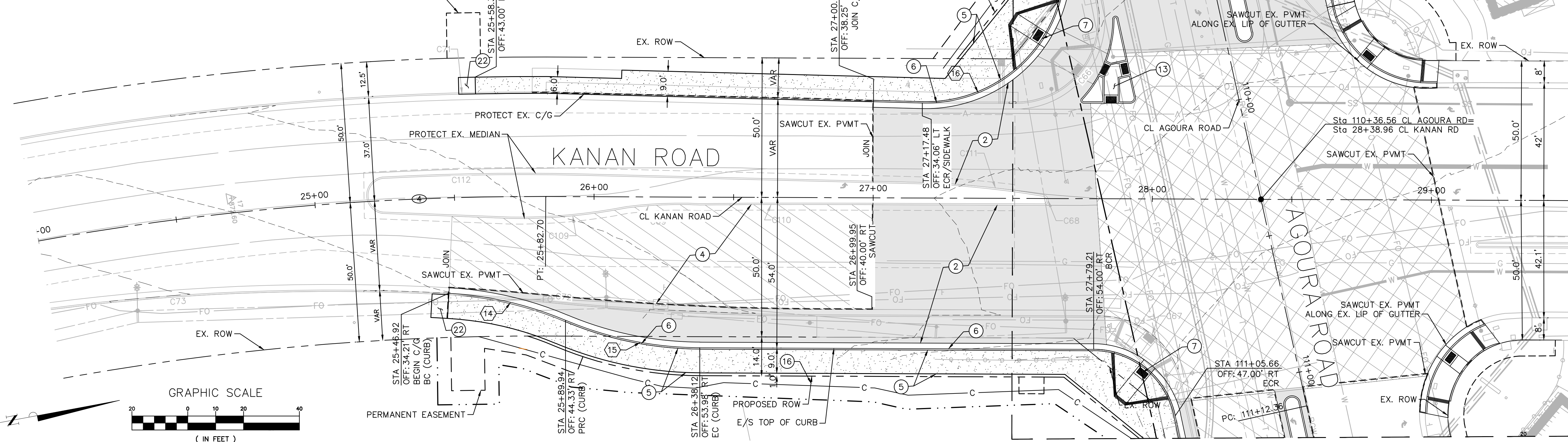
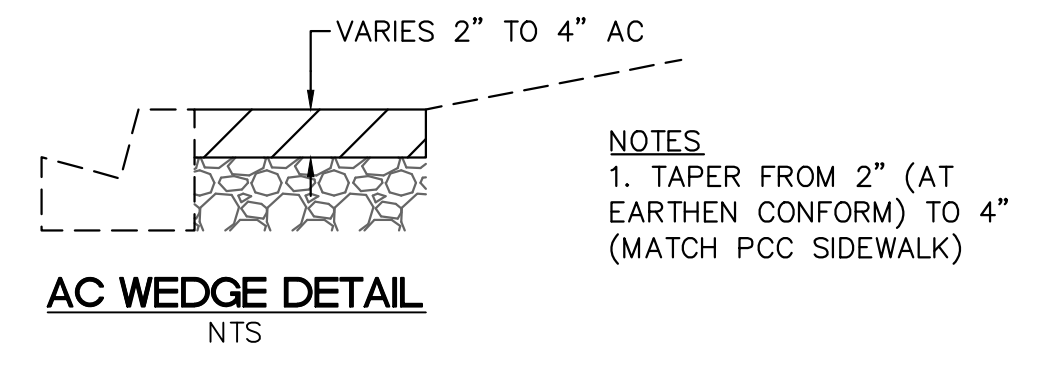
SHEET 10 OF 42

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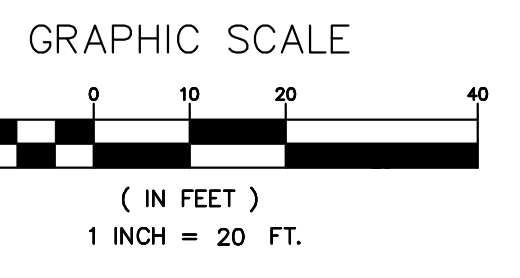
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  - 21 CONSTRUCT AC DIKE, TYPE D1-8, PER SPPWC STD. PLAN 120-2.
  - 22 CONSTRUCT AC WEDGE, HEREON.



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'



**95% SUBMITTAL**

REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

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

STREET PLANS

DESIGNED BY: ND  
DRAWN BY: CG  
CHECKED BY: AC

KHA JOB NUMBER: 099083026



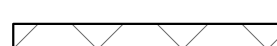



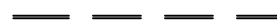


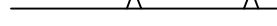


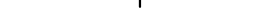
SHEET 11 OF 42

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**GENERAL NOTES**

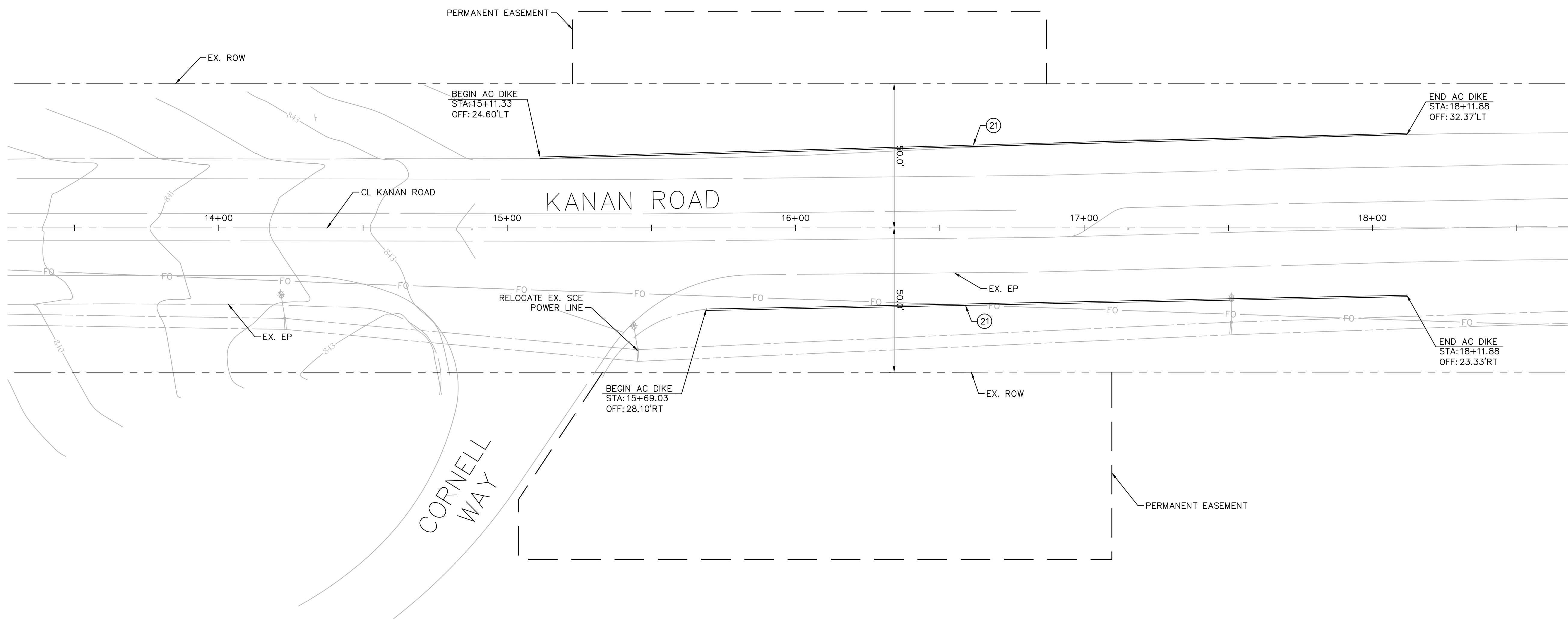
1. FOR HARDSCAPE AND LANDSCAPE IMPROVEMENTS, REFER TO SHEETS HS-1 THROUGH HS-5 AND LP-1 THROUGH LP-4, RESPECTIVELY.

**LEGEND**

-  CONSTRUCT ASPHALT OVERLAY
-  CONSTRUCT ASPHALT CONCRETE PAVEMENT
-  CONSTRUCT DECORATIVE PAVEMENT
-  PROPOSED RIGHT OF WAY
-  EX. RIGHT OF WAY
-  SAWCUT LINE
-  SLOUGH WALL
-  RETAINING WALL
-  EXTENT OF EARTHWORK CUT
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**95% SUBMITTAL**

**L-6**

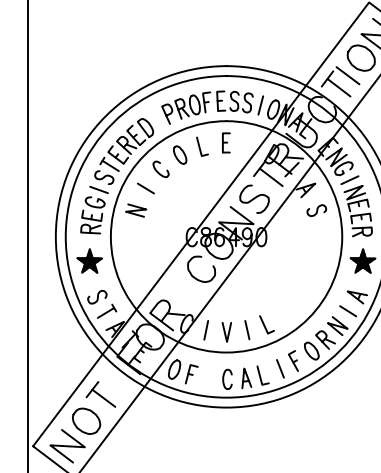
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

PREPARED BY:

**Kimley»Horn**

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

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



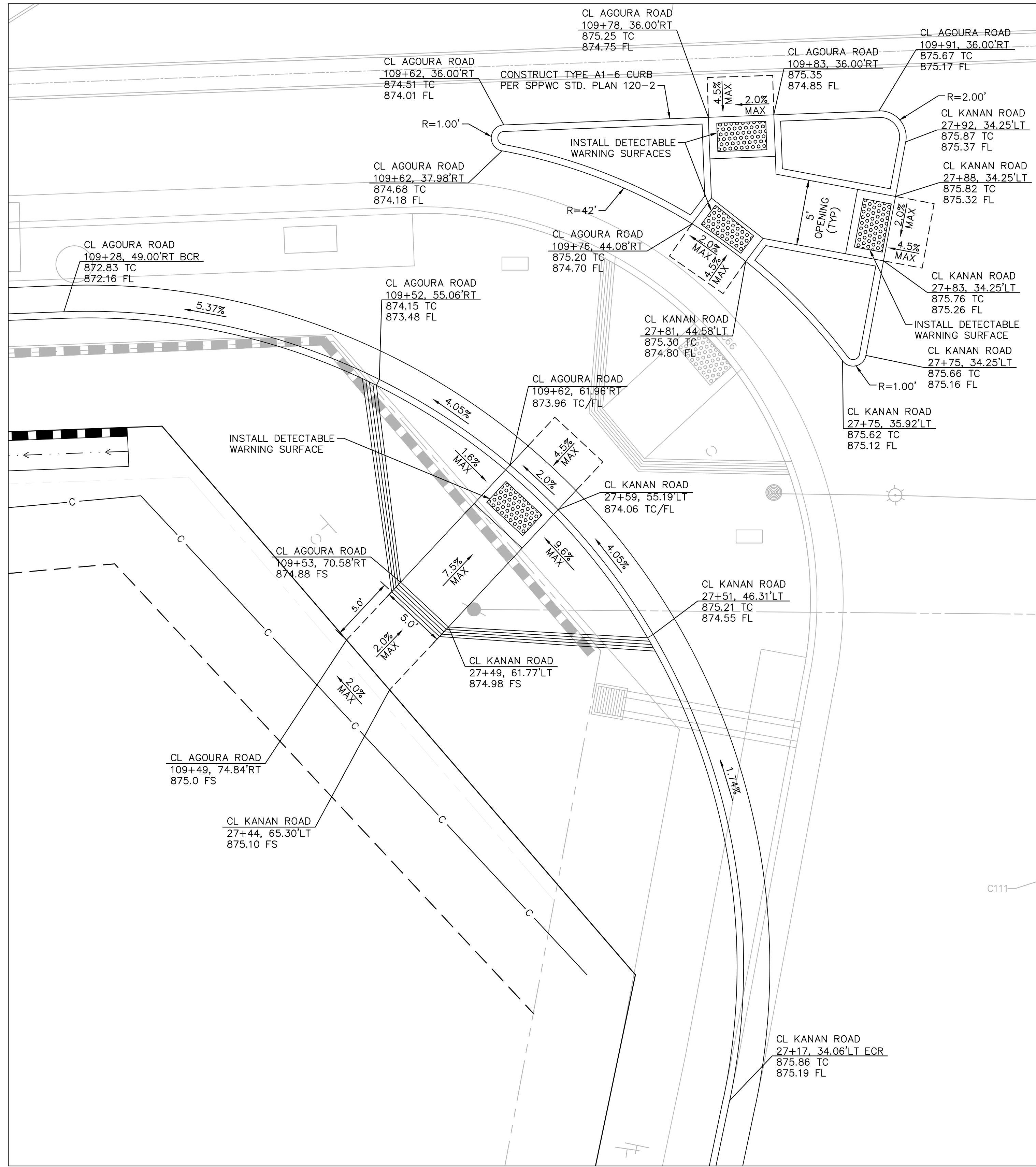
KANAN ROAD/AGOURA ROAD  
ULTIMATE INTERSECTION IMPROVEMENTS

STREET PLANS

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

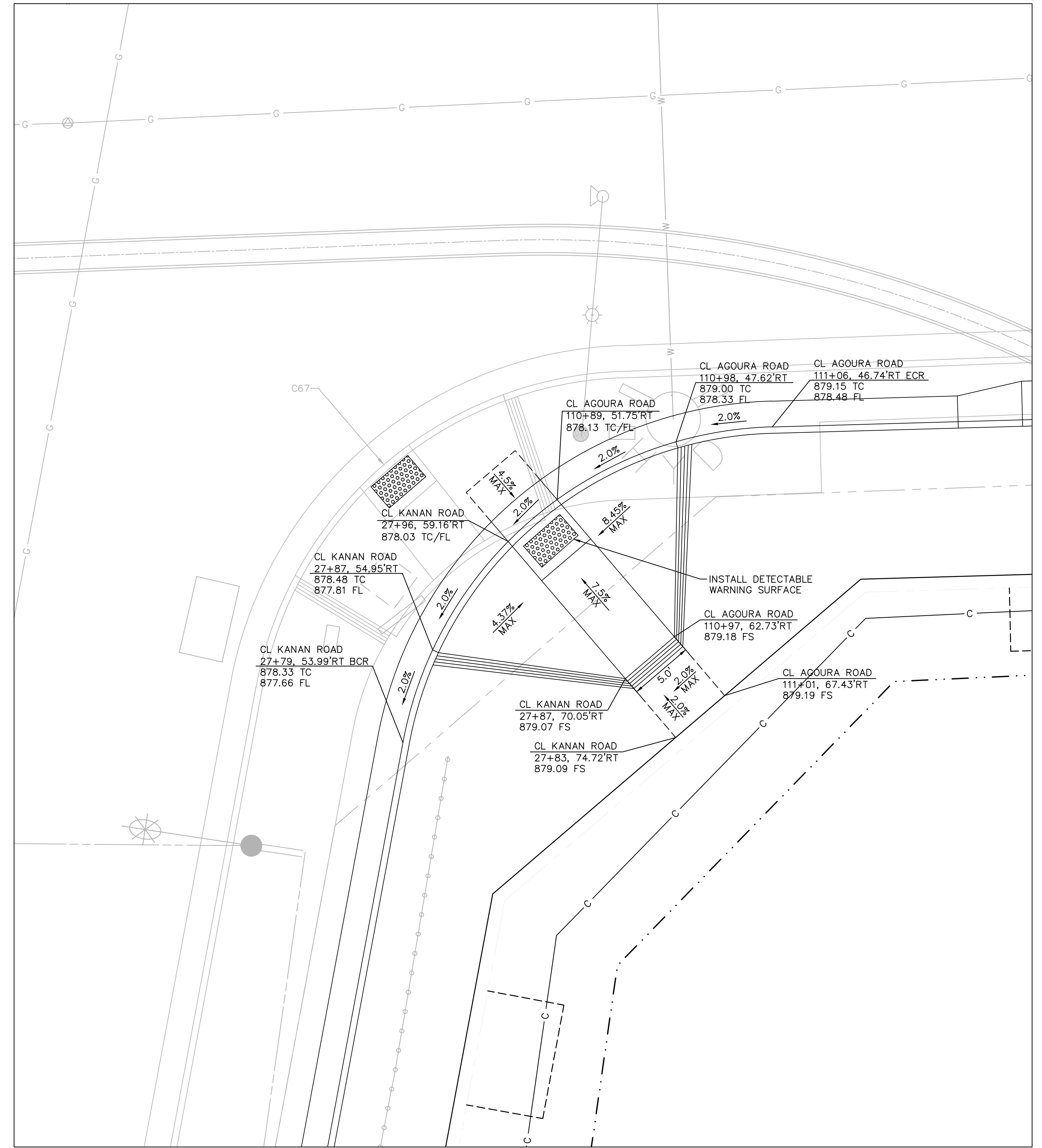
SHEET 12 OF 42

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SW CURB RAMP DETAIL

SCALE: 1" = 5'



SE CURB RAMP DETAIL

SCALE: 1" = 5'

95% SUBMITTAL

CD-1

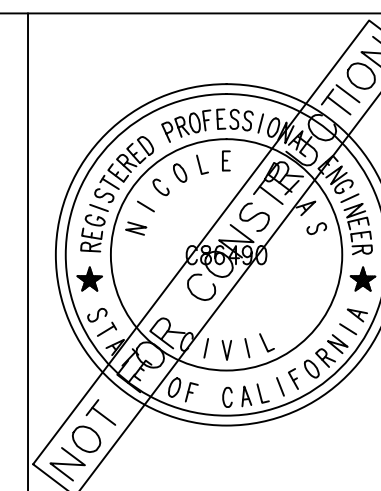
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

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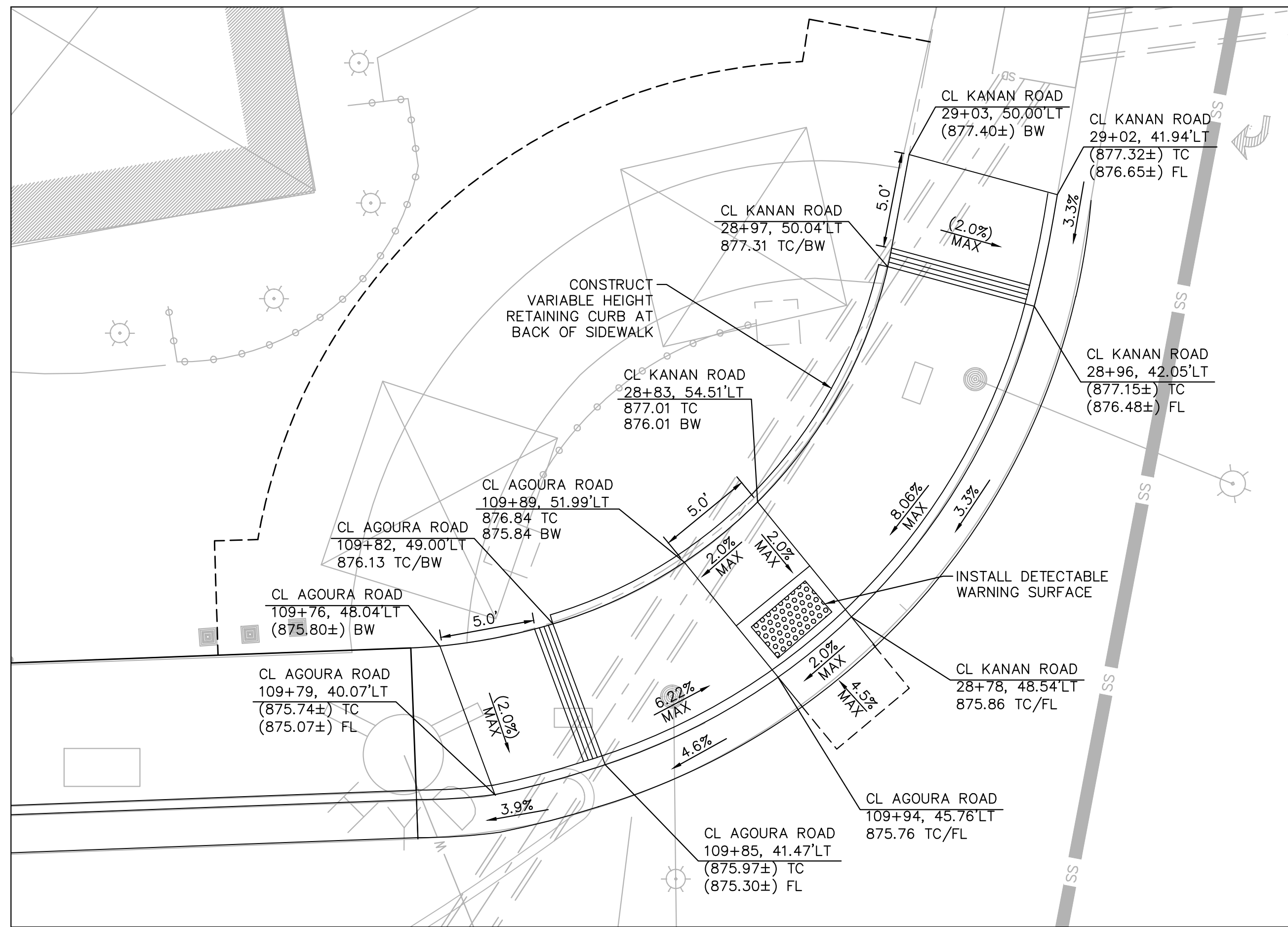
KANAN ROAD/AGOURA ROAD  
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CONSTRUCTION DETAILS

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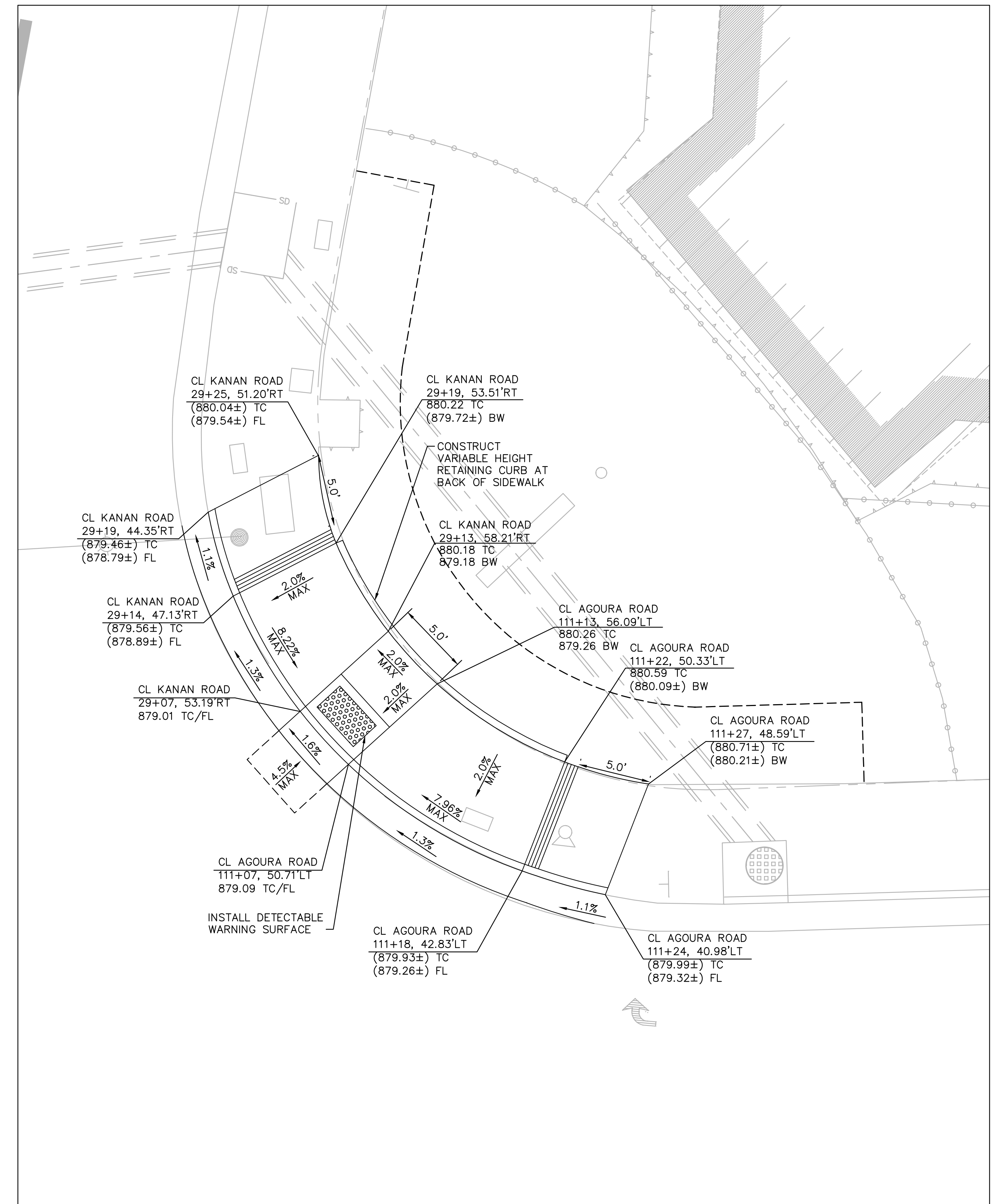
SHEET 13 OF 42

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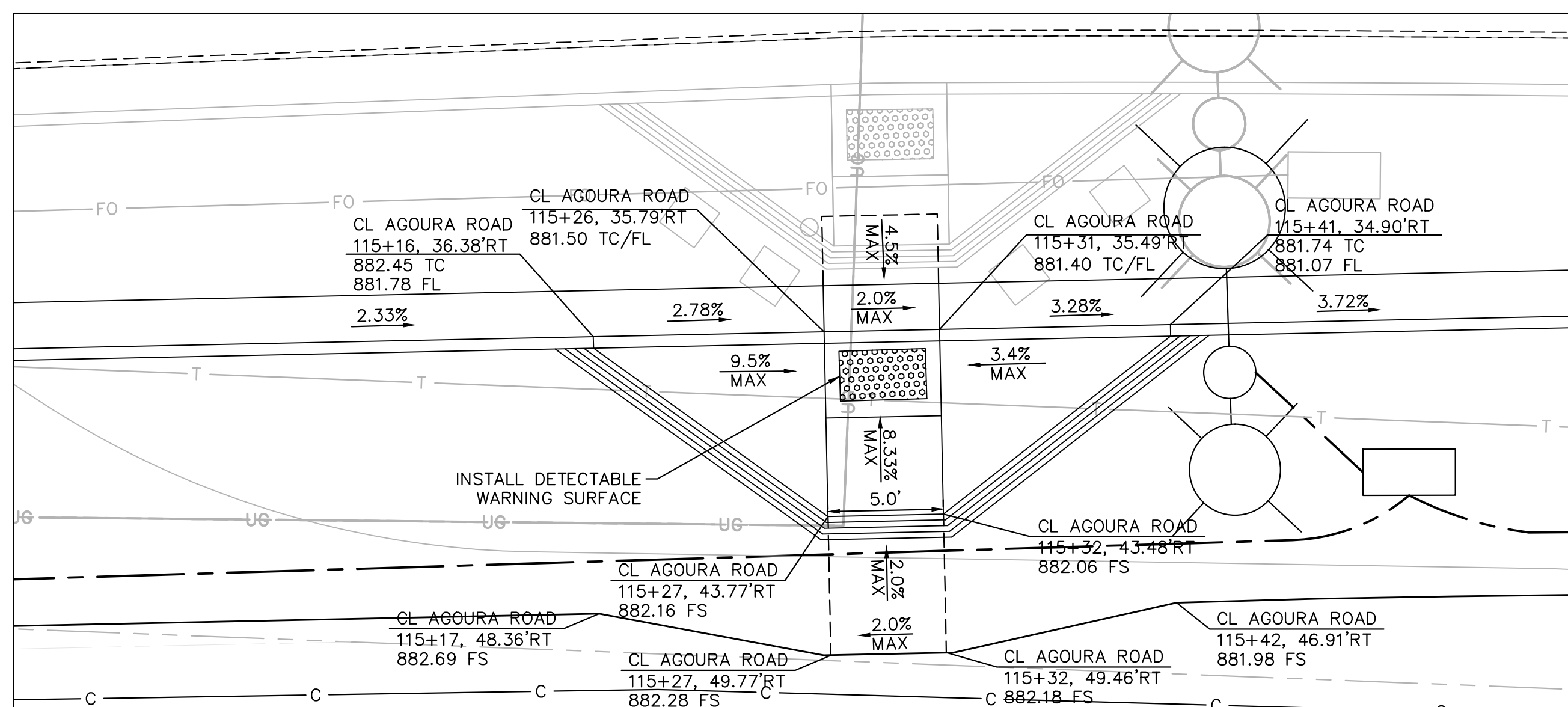
NW CURB RAMP DETAIL

SCALE: 1" = 5'



NE CURB RAMP DETAIL

SCALE: 1" = 5'



AGOURA RD CURB RAMP DETAIL

SCALE: 1" = 5'

95% SUBMITTAL

CD-2

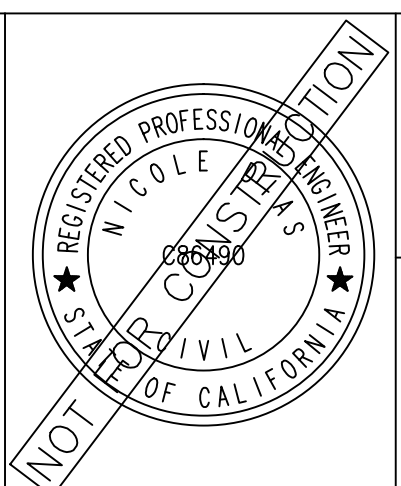
REV	SYMBOL	DESCRIPTION OF CHANGE	RCE	DATE

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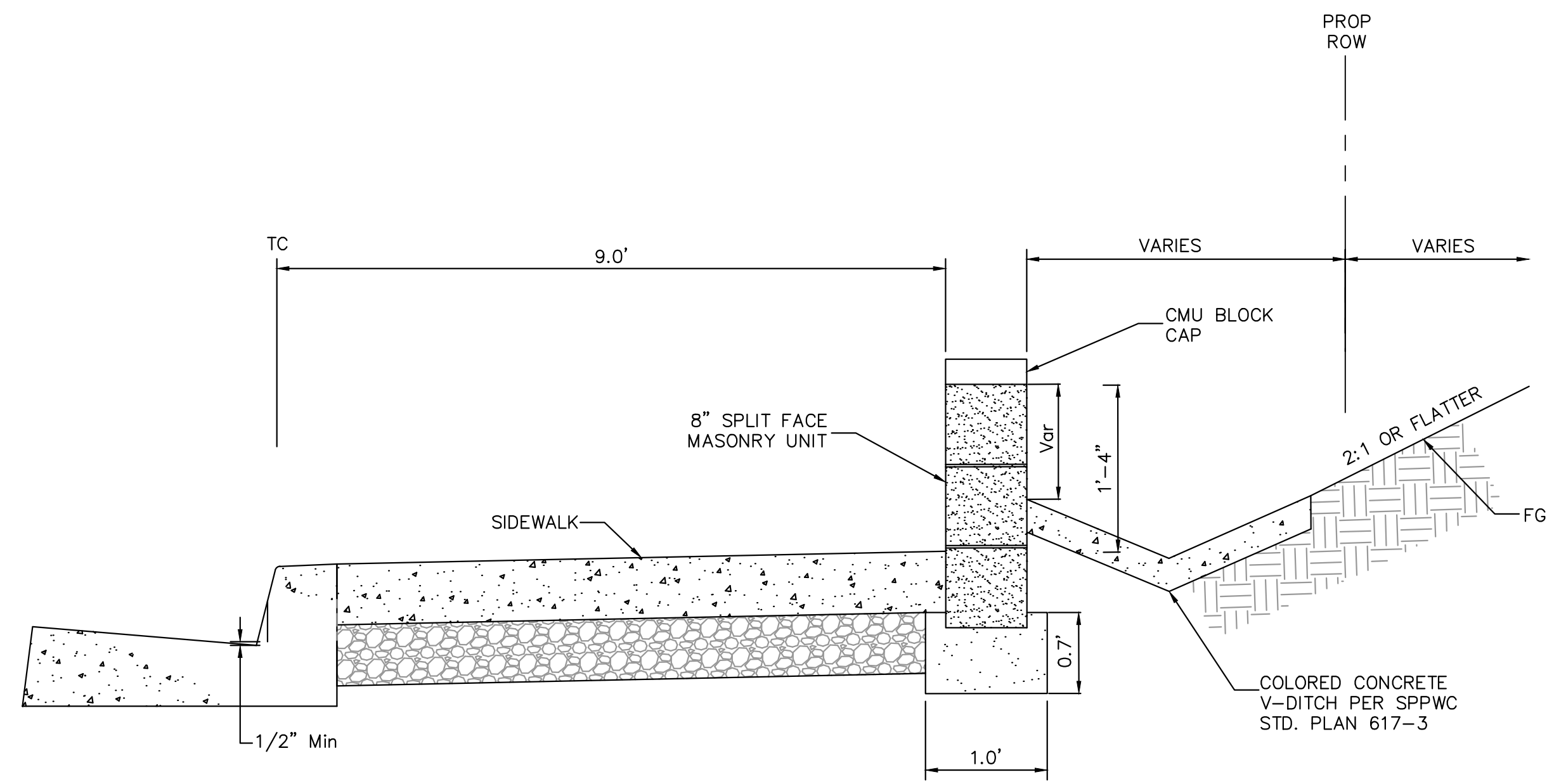
KANAN ROAD/AGOURA ROAD  
ULTIMATE INTERSECTION IMPROVEMENTS  
CONSTRUCTION DETAILS

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

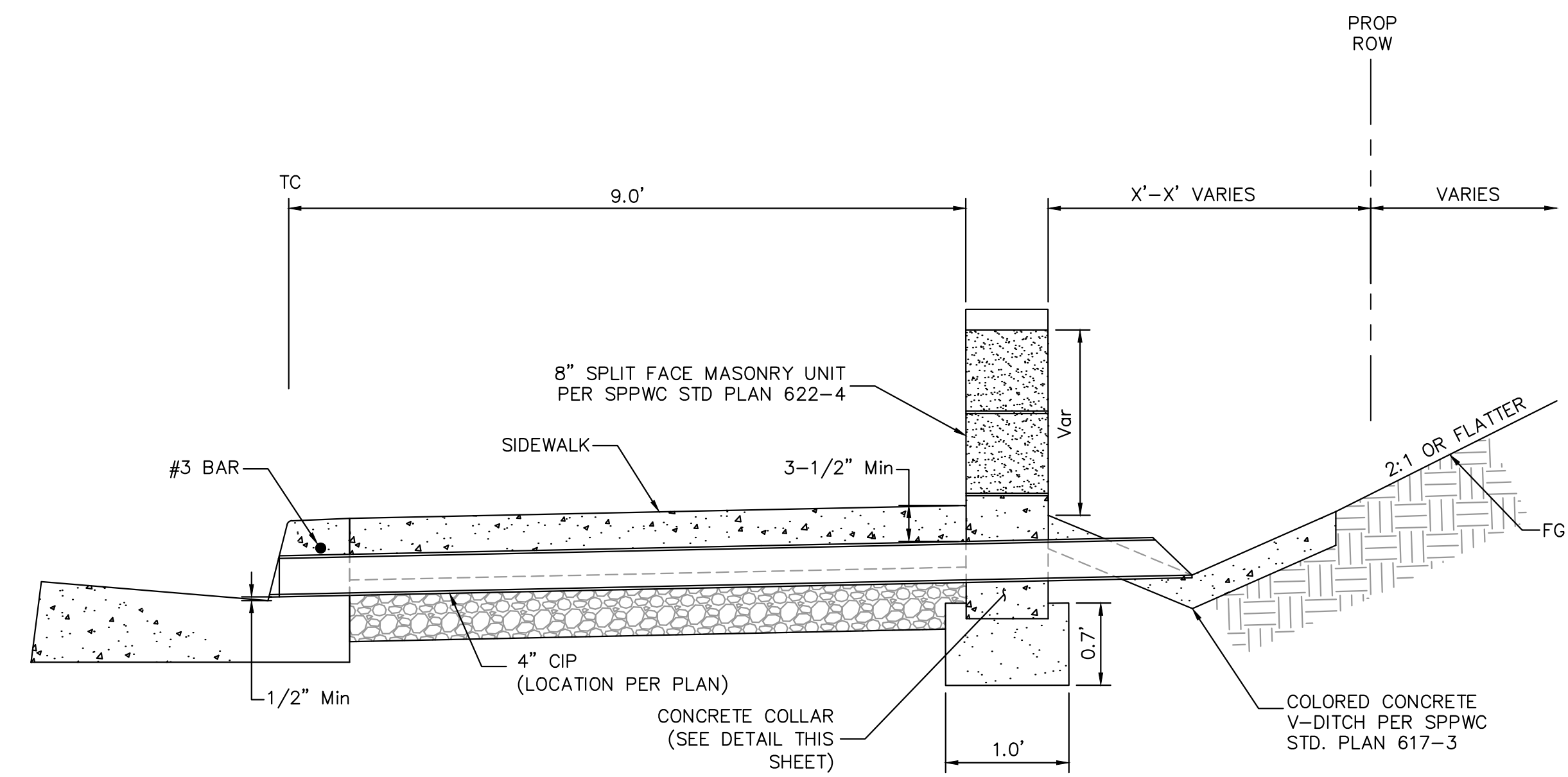
SHEET 14 OF 42

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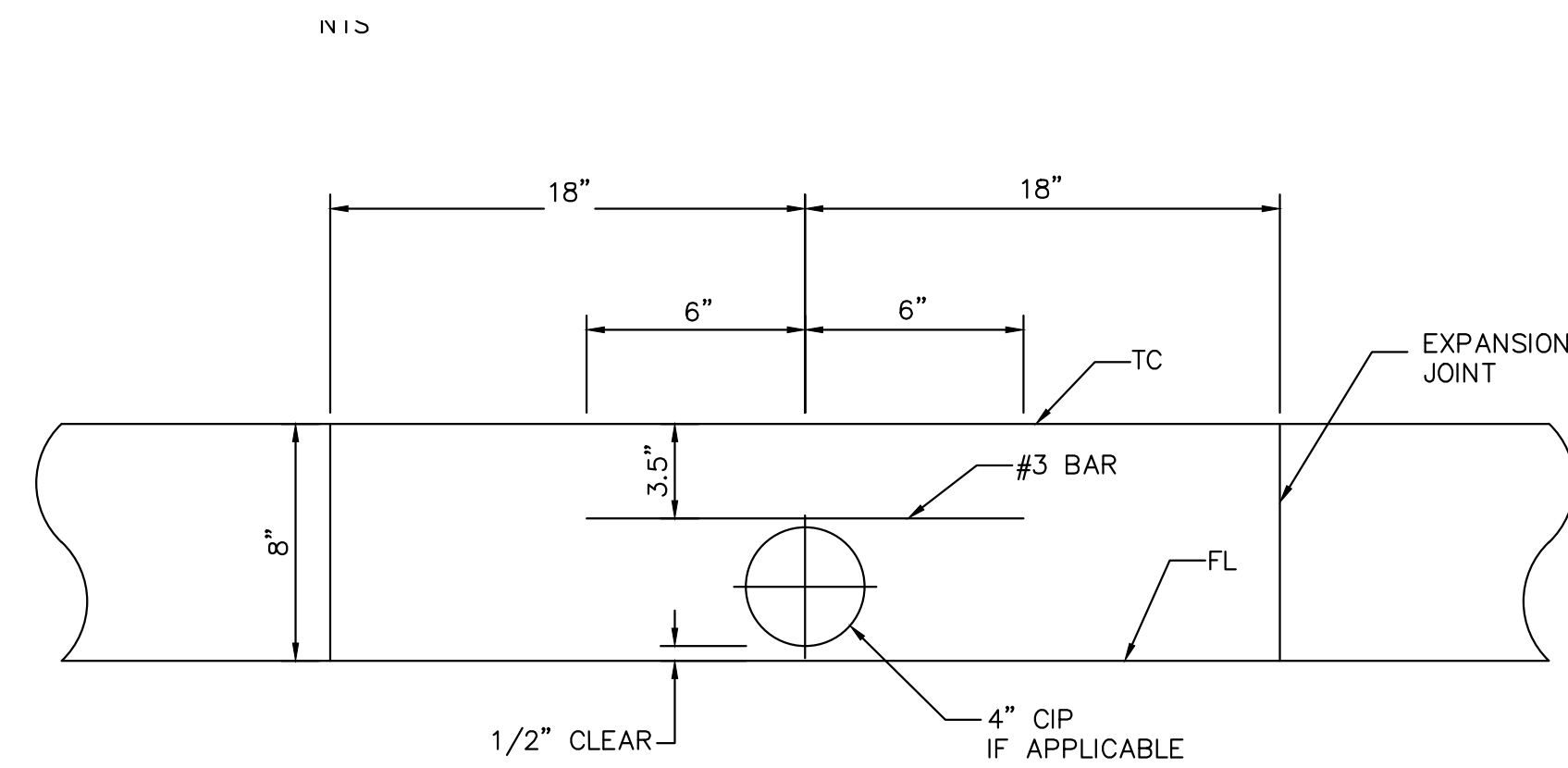




SLOUGH WALL AT BACK OF SIDEWALK  
NTS

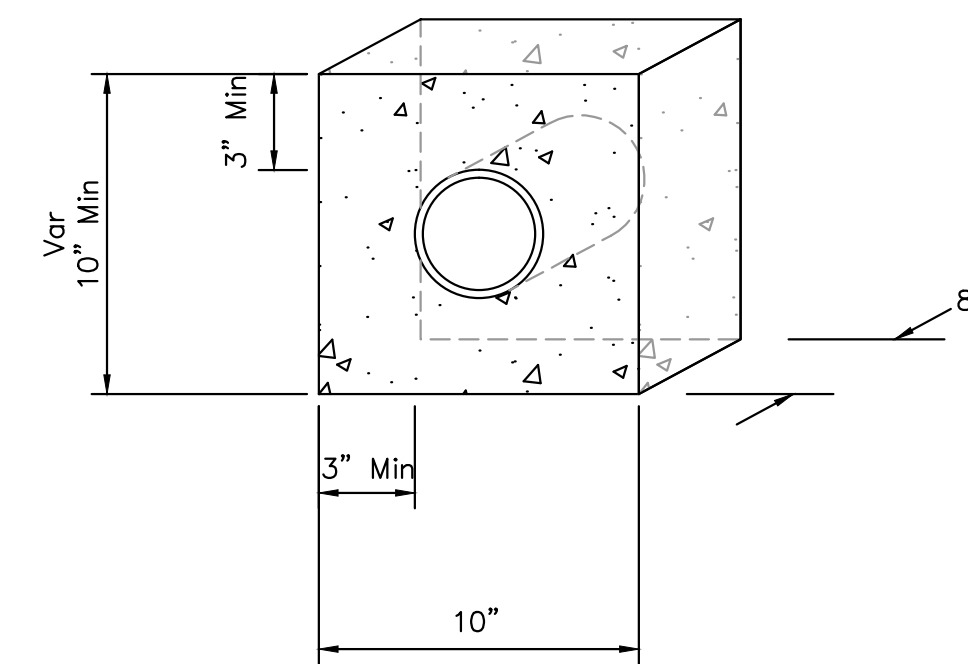


SLOUGH WALL AT BACK OF SIDEWALK  
WITH CURB DRAIN  
NTS



NOTE: APPLIES TO ANY NUMBER OF PIPES.  
SPACE ADDITIONAL PIPES 6" C-C.

CURB PROFILE  
NTS



NOTE: APPLIES TO ANY NUMBER OF PIPES.  
SPACE ADDITIONAL PIPES 6" C-C.

CONCRETE COLLAR DETAIL  
NTS

95% SUBMITTAL

CD-3

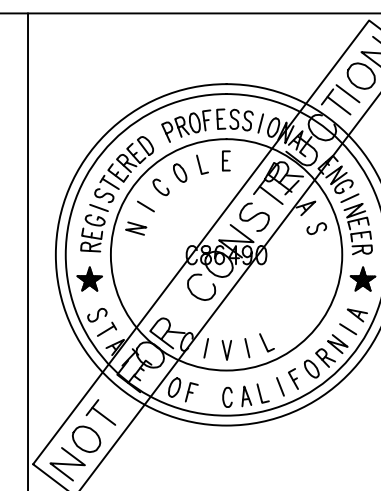
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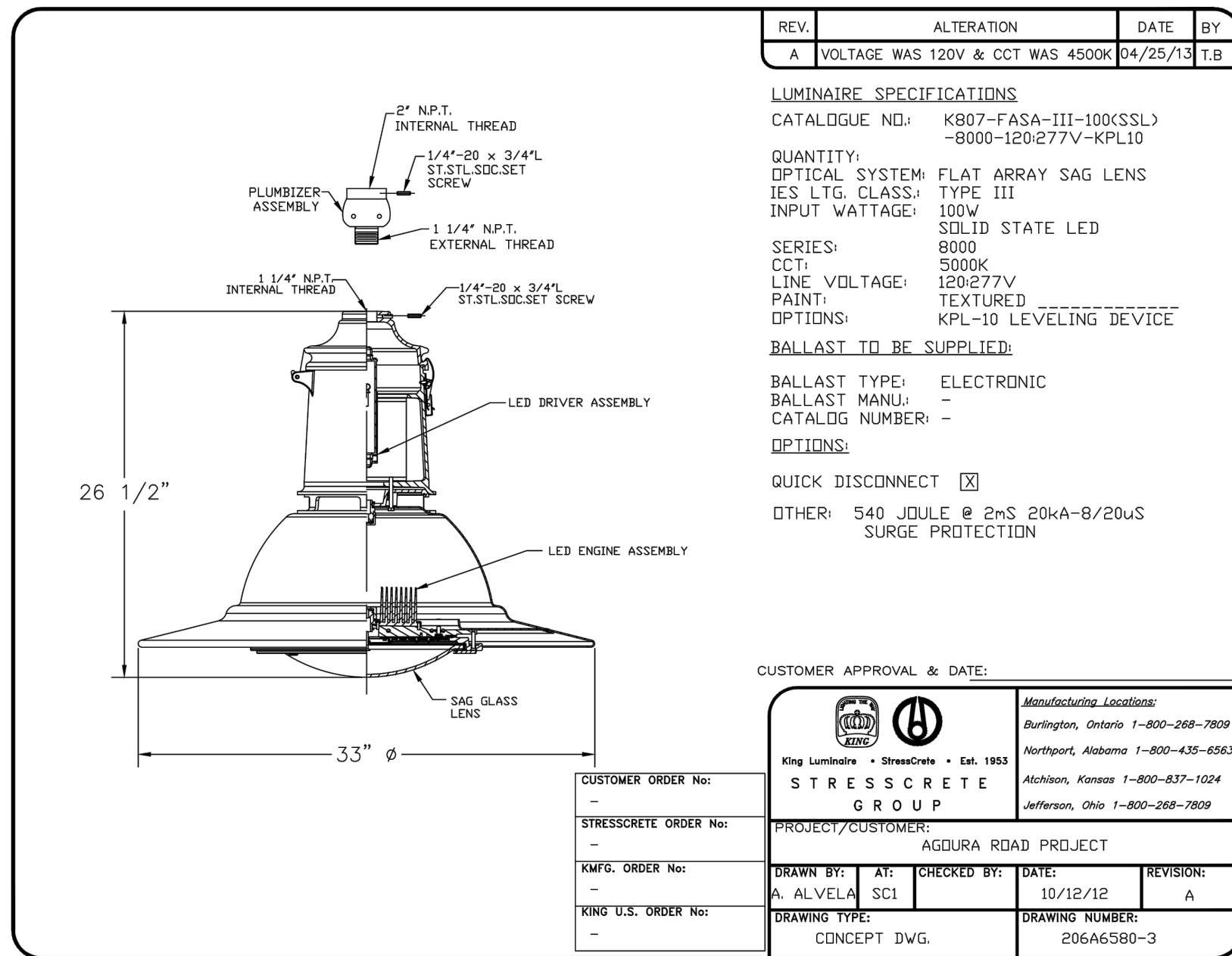
KANAN ROAD/AGOURA ROAD  
ULTIMATE INTERSECTION IMPROVEMENTS

CONSTRUCTION DETAILS

DESIGNED BY: ND	DRAWN BY: CG	CHECKED BY: AC	KHA JOB NUMBER 099083026
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SHEET 15 OF 42

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REV.	ALTERATION	DATE	BY
A	VOLTAGE WAS 120V & CCT WAS 4500K	04/25/13	T.B

**LUMINAIRE SPECIFICATIONS**  
 CATALOGUE NO.: K807-FASA-III-100(SSL) -8000-120/277V-KPL10  
 QUANTITY: 100W  
 OPTICAL SYSTEM: FLAT ARRAY SAG LENS  
 IES Ltg. CLASS: TYPE III  
 INPUT WATTAGE: 100W  
 SERIES: SOLID STATE LED  
 CCT: 5000K  
 LINE VOLTAGE: 120/277V  
 PAINT: TEXTURED  
 OPTIONS: KPL-10 LEVELING DEVICE  
**BALLAST TO BE SUPPLIED:**  
 BALLAST TYPE: ELECTRONIC  
 BALLAST MANU: -  
 CATALOG NUMBER: -  
**OPTIONS:**  
 QUICK DISCONNECT   
 OTHER: 540 JDULE @ 2ms 20kA-8/20uS SURGE PROTECTION

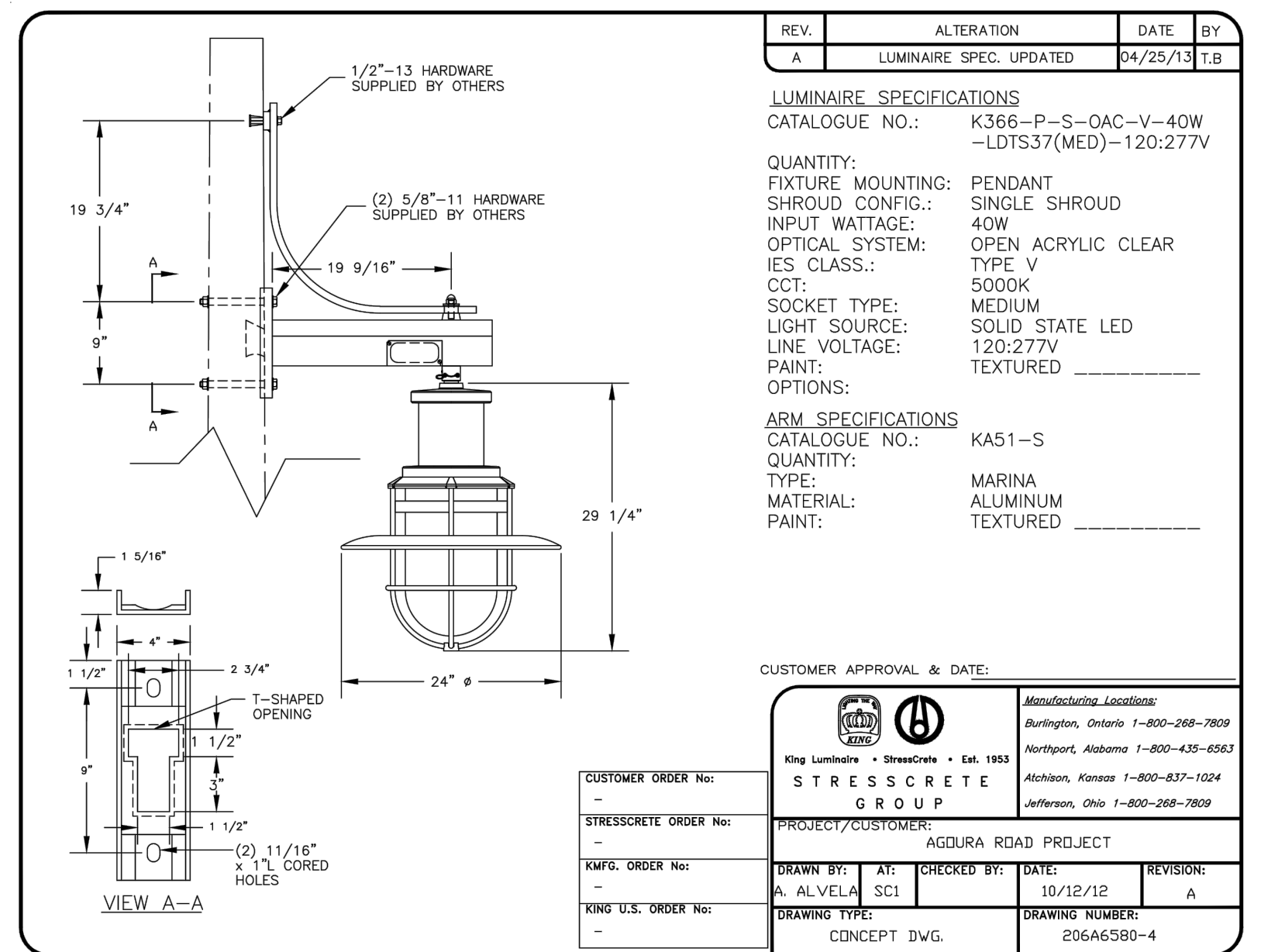
CUSTOMER APPROVAL & DATE:

King Luminaire	Stresscrete
King Luminaire	Stresscrete
King Luminaire	Stresscrete
King Luminaire	Stresscrete

PROJECT/CUSTOMER: AGOURA ROAD PROJECT  
 DRAWN BY: A. ALVELLA  
 CHECKED BY: SCI  
 DATE: 10/12/12  
 REVISION: A  
 DRAWING NUMBER: 206A6580-3

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-04C-V-40W -LPTS37(MED)-120/277V  
 QUANTITY: 40W  
 FIXTURE MOUNTING: PENDANT  
 SHROUD CONFIG.: SINGLE SHROUD  
 INPUT WATTAGE: 40W  
 OPTICAL SYSTEM: OPEN ACRYLIC CLEAR  
 IES CLASS.: TYPE V  
 CCT: 5000K  
 SOCKET TYPE: MEDIUM  
 LIGHT SOURCE: SOLID STATE LED  
 LINE VOLTAGE: 120/277V  
 PAINT: TEXTURED  
 OPTIONS: -  
**ARM SPECIFICATIONS**  
 CATALOGUE NO.: KA51-S  
 QUANTITY: 1  
 TYPE: MARINA  
 MATERIAL: ALUMINUM  
 PAINT: TEXTURED

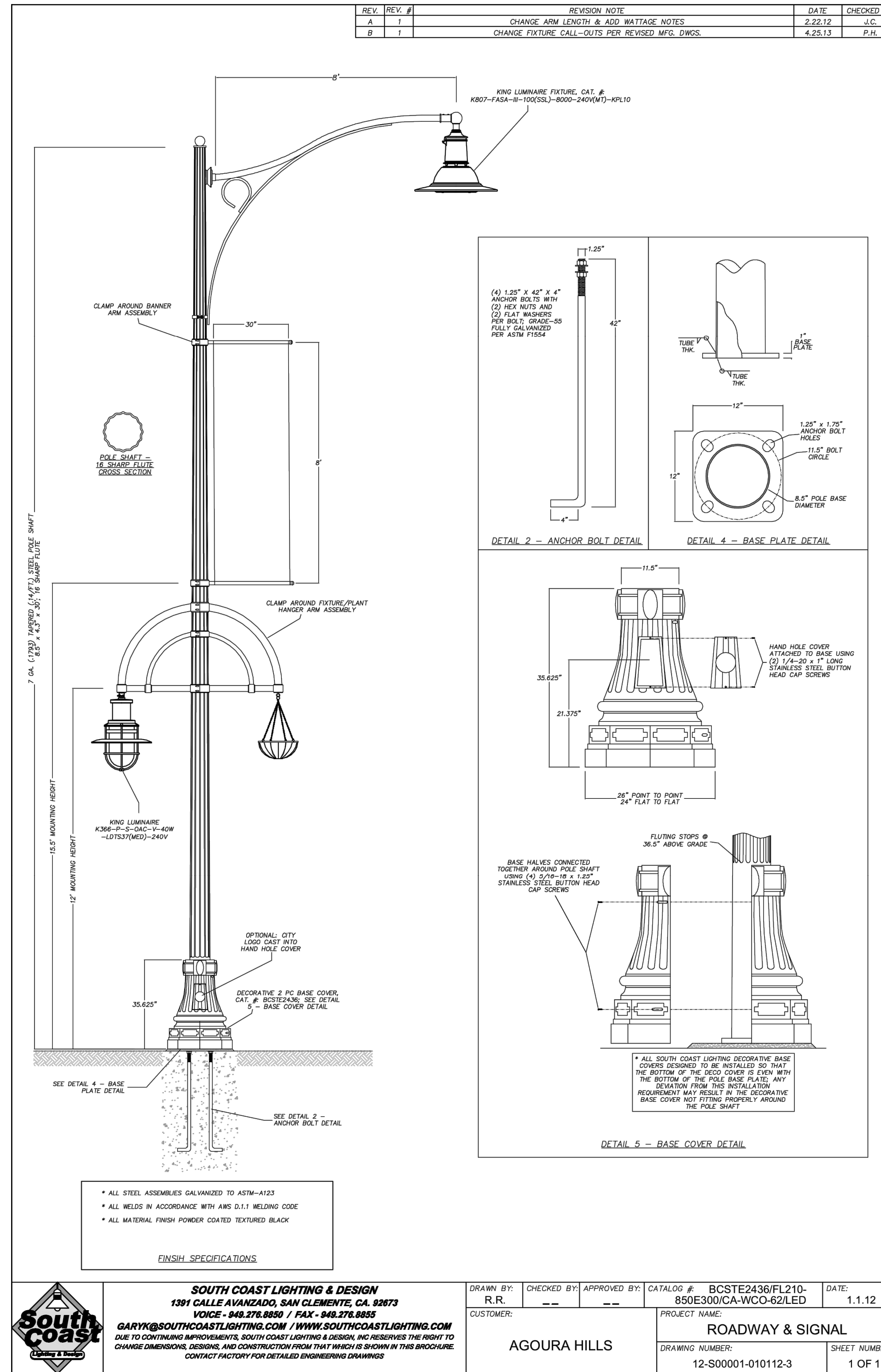
CUSTOMER APPROVAL & DATE:

King Luminaire	Stresscrete
King Luminaire	Stresscrete
King Luminaire	Stresscrete
King Luminaire	Stresscrete

PROJECT/CUSTOMER: AGOURA ROAD PROJECT  
 DRAWN BY: A. ALVELLA  
 CHECKED BY: SCI  
 DATE: 10/12/12  
 REVISION: A  
 DRAWING NUMBER: 206A6580-4

40W LUMINAIRE - DETAIL "B"

NTS

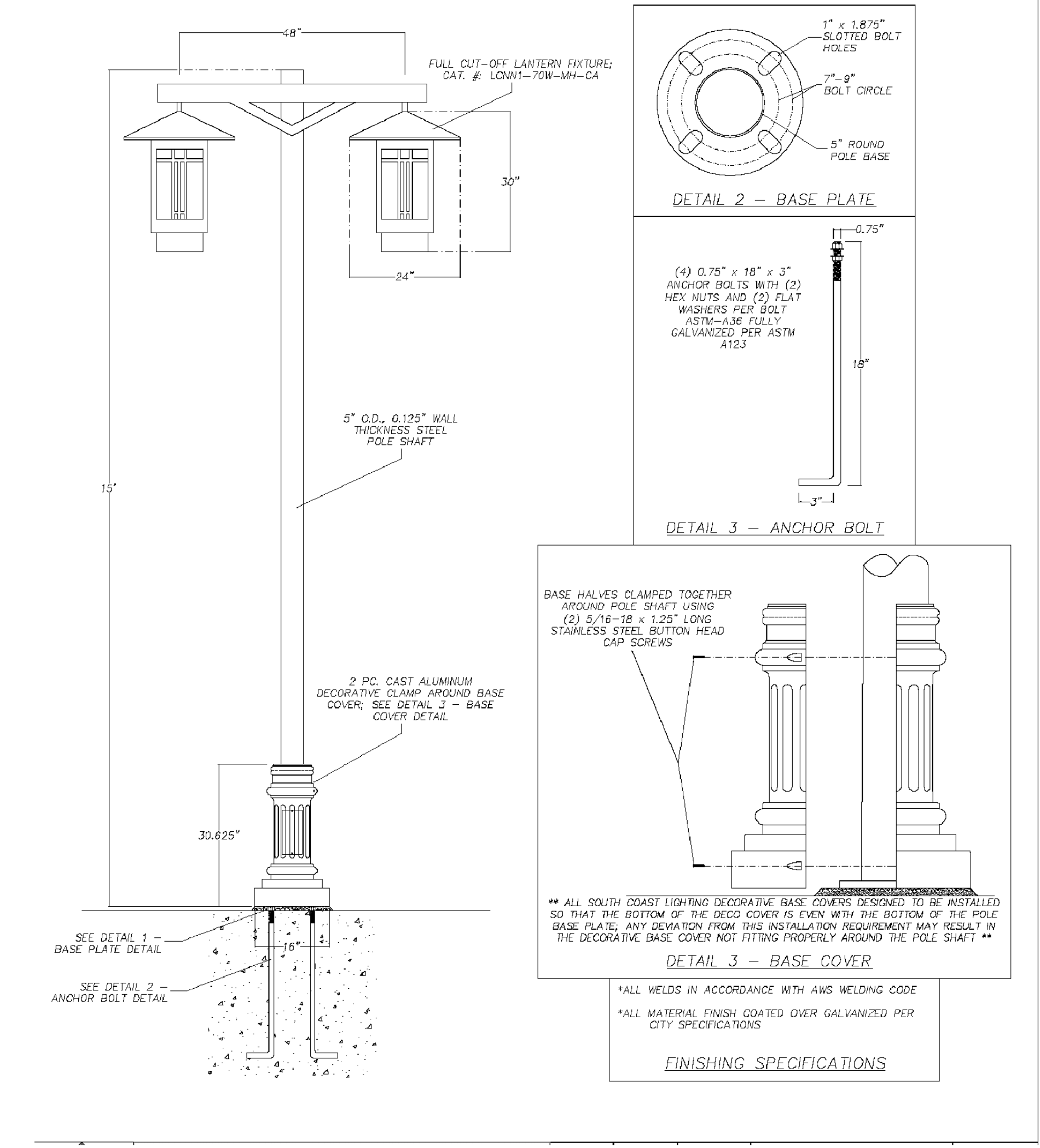


REV.	REV. #	REVISION NOTE	DATE	CHECKED BY
A	1	CHANGE ARM LENGTH & ADD WATTAGE NOTES	3.22.12	J.C.
B	1	CHANGE FIXTURE CALL-OUTS PER REVISED MFG. DWGS.	4.25.13	P.H.

**FINISH SPECIFICATIONS**

- ALL STEEL ASSEMBLIES GALVANIZED TO ASTM-A153
- ALL WELDS IN ACCORDANCE WITH AWS D1.1 WELDING CODE
- ALL MATERIAL FINISH POWDER COATED TEXTURED BLACK

<b>SOUTH COAST LIGHTING &amp; DESIGN</b> 1391 CALLE AVANZADO, SAN CLEMENTE, CA 92673 VOICE - 949.276.8650 / FAX - 949.276.8655 GARYK@SOUTHCOASTLIGHTING.COM / WWW.SOUTHCOASTLIGHTING.COM DUE TO CONTINUING IMPROVEMENTS, SOUTH COAST LIGHTING & DESIGN, INC. RESERVES THE RIGHT TO CHANGE DIMENSIONS, COLORS AND CONSTRUCTION FROM THAT WHICH IS SHOWN IN THIS SPECIFICATION. CONTACT FACTORY FOR DETAILED ENGINEERING DRAWINGS.	DRAWN BY: R.R. CHECKED BY: - APPROVED BY: - CUSTOMER: AGOURA HILLS	CATALOG # BCSTE2436FL210 850E300/CA-WCO-62/LED PROJECT NAME: ROADWAY & SIGNAL	DATE: 1.1.12 DRAWING NUMBER: 12-S00001-010112-3 SHEET NUMBER: 1 OF 1
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DECORATIVE ROADWAY LIGHTING - DETAIL "D"

NTS

DECORATIVE ROADWAY LIGHTING - DETAIL "C"

NTS

95% SUBMITTAL

CD-4

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

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

CONSTRUCTION DETAILS

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

SHEET 16 OF 42

K:\D:\RHW\099083026 - Kanan Agoura Intersection\Working\03\_CADD\03\_Sheets\Construction\Detail - 099083026.dwg 10:56:17 - 12/09/14