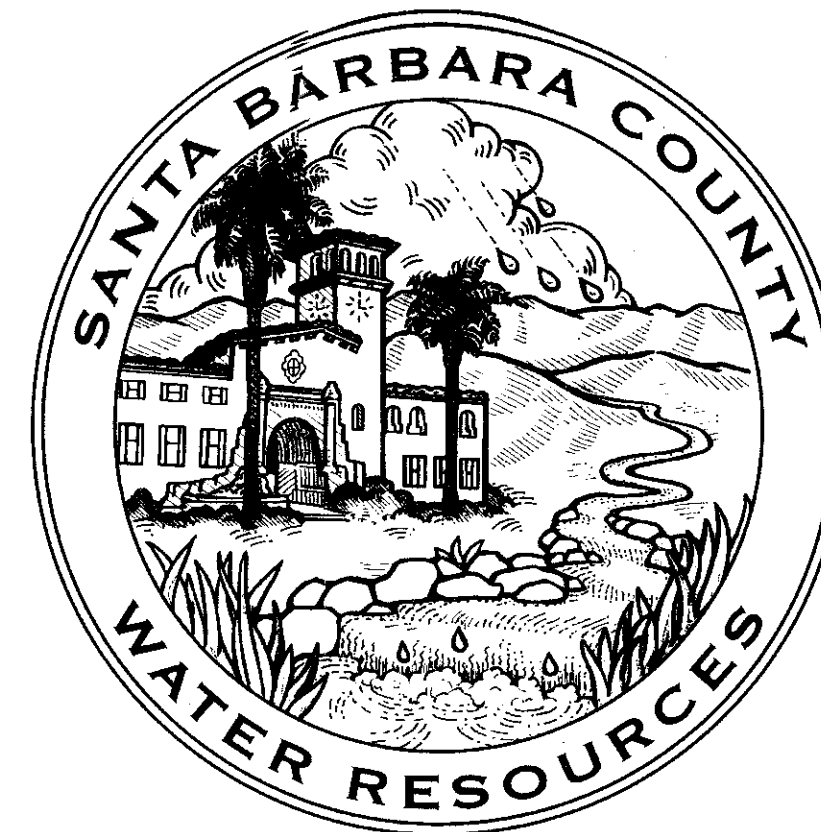
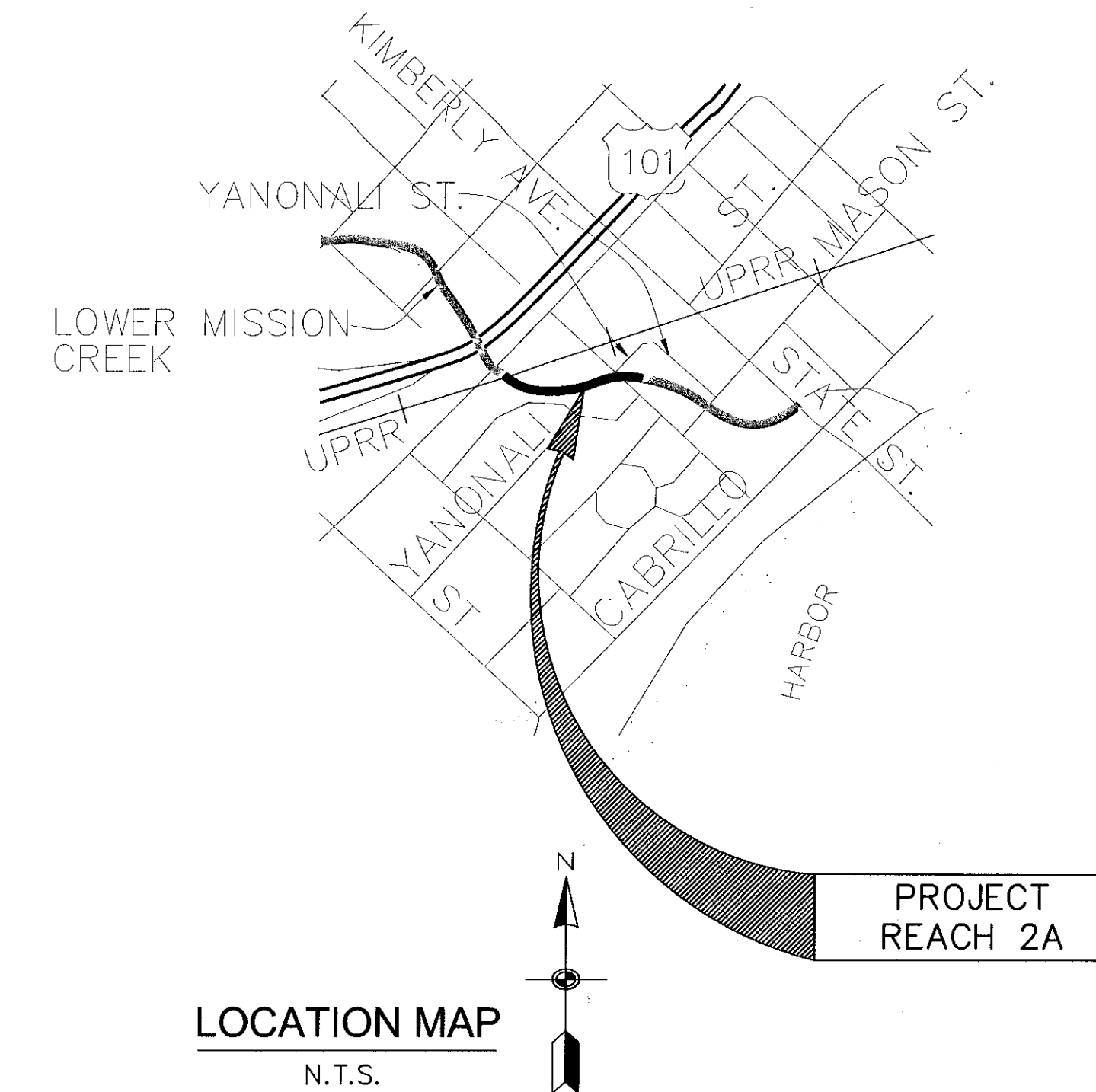


VICINITY MAP
N.T.S.



SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
**LOWER MISSION CREEK
FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT**
UNION PACIFIC RAILROAD TO YANONALI STREET

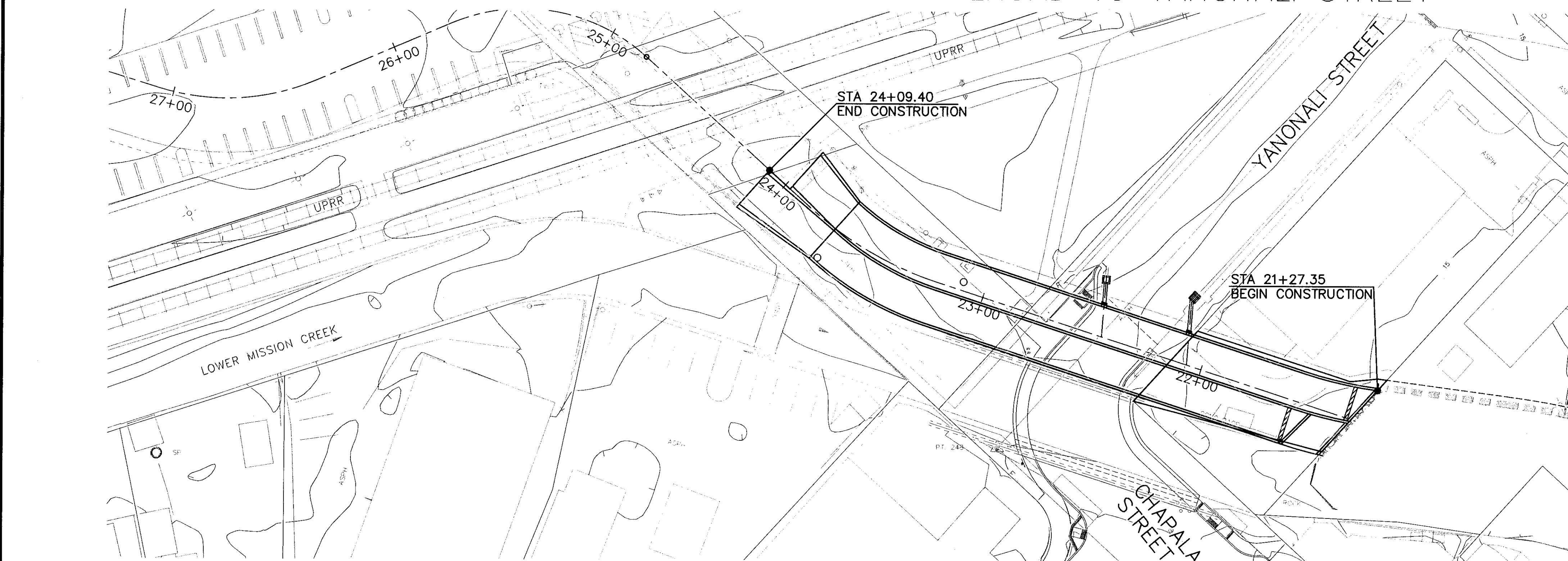


LOCATION MAP
N.T.S.

SHEET INDEX	SHEET NO.
TITLE	FC1
NOTES	FC2
NOTES, ABBREV., SYMBOLS &	
CONSTRUCTION NOTES	FC3
HORIZONTAL CONTROL	FC4
PROPERTY EASEMENTS	FC5
PLAN AND PROFILE	FC6
DEMO AND UTILITY PLAN	FC7
STORM DRAIN LATERAL PLAN AND PROFILE	FC8
DETAILS & EARTHWORK PAYLINES	FC9
STREET IMPROVEMENTS &	
134 CHAPALA STREET IMPROVEMENTS	FC10
CHANNEL TRANSITION DETAIL	FC11
RCB DETAILS	FC12
FENCING DETAILS	FC13
CONSTRUCTION AREA SIGNS	FC14
STAGING PLAN	FC15
SUBDRAIN DETAILS	FC16
WALL TREATMENT & MISC. DETAILS	FC17
STREET IMPROVEMENT DETAILS	FC18

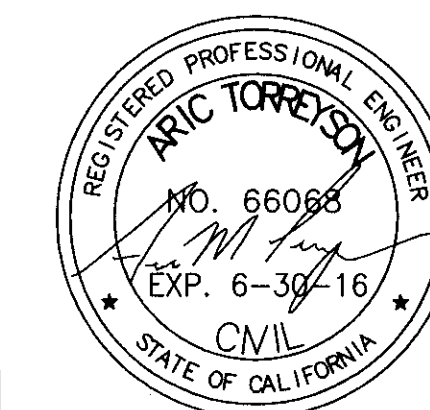
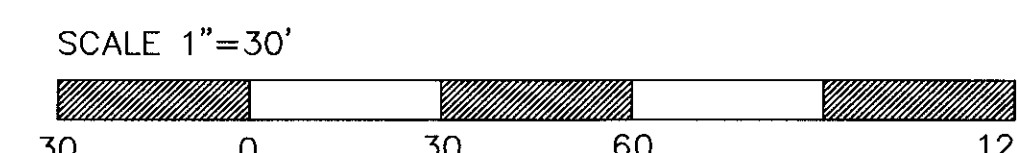
DISTRICT BOARD OF DIRECTORS

FIRST DISTRICT	SALUD CARBAJAL
SECOND DISTRICT	JANET WOLF
THIRD DISTRICT	DOREEN FARR
FOURTH DISTRICT	PETER ADAM
FIFTH DISTRICT	STEVE LAVAGNINO

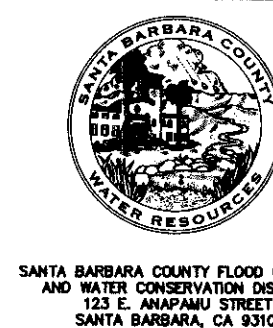


UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

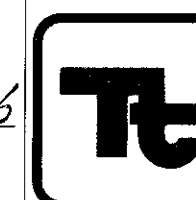
REVIEWED BY: _____
original to be signed _____
SANTA BARBARA CITY ENGINEER _____ DATE _____



MARK	DESCRIPTION	DATE	APPR.



REVIEWED BY: <i>[Signature]</i> FLOOD CONTROL ENGINEERING MANAGER DATE 7-14-16	REVIEWED BY: <i>[Signature]</i> MAINTENANCE SUPERINTENDENT DATE 7-14-16
REVIEWED BY: <i>[Signature]</i> FLOOD CONTROL DEPUTY DIRECTOR DATE 7-14-16	REVIEWED BY: <i>[Signature]</i> ENVIRONMENTAL SERVICES MANAGER DATE 7-14-16



TETRA TECH
17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000
ARIC M. TORREYSON P.E. 66068
JUNE 15, 2016

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

TITLE

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC001.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER
FC1
SHEET 1 of 18

SURVEY NOTES

- TOPOGRAPHIC MAPPING WAS COMPILED AT A SCALE OF 1"=200', WITH A 1 FOOT CONTOUR INTERVAL, USING STANDARD PHOTOGRAMMETRIC METHODS AND PROCEDURES BY ARROWHEAD MAPPING CORPORATION, FROM AERIAL PHOTOGRAPHY DATED MAY 5, 2003.
- MAPPING IS SUPPLEMENTED BY DATA COLLECTED IN A FIELD SURVEY USING CONVENTIONAL METHODS AND PROCEDURES IN JUNE 2003 BY PENFIED & SMITH, AND IN AUGUST 2003 BY JOHNSON FRANK & ASSOCIATES.
- THE AERIAL PHOTOGRAPHY USED AS THE BACKGROUND FOR THIS MAP WAS OBTAINED ON MAY 5, 2003 BY ARROWHEAD MAPPING CORPORATION, THE PHOTOGRAPHY HAS BEEN CONVERTED INTO A DIGITAL FORMAT AND CORRECTED FOR HORIZONTAL AND VERTICAL DISTORTION USING STANDARD PHOTOGRAMMETRIC METHODS.
- BEARINGS SHOWN ON THIS MAP ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, NAD 83, ZONE 5 GRID (EPOCH 1991.35), DEFINED LOCALLY BY THE SANTA BARBARA CONTROL NETWORK AS SHOWN ON RECORD OF SURVEY FILED WITH THE COUNTY SURVEYOR IN BOOK 147 PAGES 70-74. DISTANCES AND COORDINATES SHOWN AS MEASURED OR CALCULATED ARE EXPRESSED IN CCS, NAD 83, ZONE V GRID US SURVEY FOOT UNITS.
- ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), DEFINED LOCALLY BY THE SANTA BARBARA CONTROL NETWORK AS SHOWN ON RECORD OF SURVEY FILED WITH THE COUNTY SURVEYOR IN BOOK 147 PAGES 70-74.
- IT IS THE CONTRACTOR'S RESPONSIBLTY, PRIOR TO SUBMITTING THEIR BID, TO PERFORM, AT THEIR SOLE EXPENSE, ANY/ALL SITE INSPECTIONS REQUIRED TO ASSURE THAT THE SURVEY INFORMATION WHICH SERVES AS THE BASIS FOR DESIGN, INCLUDING, BUT NOT LIMITED TO, FEATURE LOCATIONS, REMOVALS, PROTECTION AND/OR, CONSTRAINTS IS REPRESENTATIVE OF THE CONDITIONS ANTICIPATED TO BE ENCOUNTERED WITHIN THE LIMITS OF THE PROJECT. SUCH INSEPTIONS SHALL BE UNDERTAKEN ONLY UPON PREAPPROVAL FROM THE SBCFCWCD.

GENERAL NOTES

- EXISTING UTILITIES INFORMATION WAS ASSEMBLED FROM EXISTING UTILITY COMPANY MAPS.
- REFERENCE DRAWINGS LISTED ON THE PLANS ARE AVAILABLE TO THE CONTRACTOR (SEE SPECIFICATIONS). THESE REFERENCE DOCUMENTS ARE NOT CONSIDERED EXHAUSTIVE AND COMPLETE, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT THOROUGH AND COMPLETE RESEARCH ON EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL VERIFY SITE CONDITIONS, LOCATION AND SIZE OF UNDERGROUND UTILITIES AS SHOWN ON THE DRAWNGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.
- ALL FEES AND PERMITS SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY, IN WRITING, ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO EXCAVATION WORK AND CALL DIG ALERT 811, PRIOR TO COMMENCING WORK.
- FOR BORING LOGS AND OTHER GEOTECHNICAL INFORMATION, SEE PROJECT GEOTECHNICAL REPORTS BY BENGAL ENGINEERING, INC. DATED AUGUST 2010. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL GEOTECHNICAL REPORT UPDATES. THE AFOREREFERENCED GEOTECHNICAL AND/OR SUBSURFACE INFORMATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE CONSIDERED A PART OF THE CONSTRUCTION DOCUMENTS OR CONTRACT. NEITHER THE SBCFCWCD NOR THE DESIGN ENGINEER WARRANT OR GUARANTEE THE RESULTS OF ANY GEOTECHNICAL OR SUBSURFACE INVESTIGATIONS AS BEING REPRESENTATIVE OF THE SITE BEYOND THE ACTUAL LOCATION OF THE TEST SPECIMEN(S) AND ASSUME NO RESPONSIBILITY FOR THE MANNER IN WHICH THIS INFORMATION MAY BE USED OR THE CONCLUSIONS REACHED IN UTILIZING THE INFORMATION CONTAINED IN THE CONTRACT

UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

DOCUMENTS. FURTHER, SBCFCWCD AND THE DESIGN ENGINEER NEITHER WARRANT NOR GUARANTEE THE CONCLUSIONS REACHED, RECOMMENDATIONS MADE OR TEST RESULTS PRESENTED AS PART OF THE GEOTECHNICAL AND/OR SUBSURFACE INVESTIGATIONS AS BEING REPRESENTATIVE OF THE ENTIRE SITE. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO SUPPLEMENT ANY INFORMATION PROVIDED WITH ADDITIONAL SUBSURFACE INVESTIGATIONS AND TESTING, AT THEIR SOLE EXPENSE, IN ORDER TO ASSURE THEMSELVES THE INFORMATION PROVIDED IN THE CONSTRUCTION DOCUMENTS IS REPRESENTATIVE OF THE CONDITIONS TO BE ENCOUNTERED WITHIN THE LIMITS OF THE PROJECT AT THE TIME OF CONSTRUCTION. SUCH INVESTIGATIONS SHALL COMMENCE ONLY UPON OBTAINING APPROVAL FROM SBCFCWCD.

- CONTRACTOR IS ADVISED ADDITIONAL WORK BY OTHER CONTRACTORS WILL TAKE PLACE WITHIN AND ADJACENT TO THE PROJECT LIMITS. CONTRACTOR IS TO COORDINATE AND COOPERATE WITH OTHER CONTRACTORS AND GOVERNING AGENCIES AS REQUIRED.
- SITE SECURITY DURING CONSTRUCTION SHOULD CONSIST OF TEMPORARY FENCING TO BE INSTALLED AND MAINTAINED BY THE CONTRACTOR DURING THE ENTIRE CONSTRUCTION OF THE PROJECT.

ENVIRONMENTAL CONTROL AND MAINTENANCE OF SITE CONDITIONS

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE CONSTRUCTION AREA. SWPPP ELEMENTS AND WORK SHALL BE CONFINED WITHIN THE ROW AND/OR EASEMENT LIMITS, WITH A MINIMUM INTERIOR BUFFER OF ONE FOOT. THE SWPPP SHALL BE SUBMITTED TO THE COR PRIOR TO COMMENCEMENT OF ANY WORK ON THE PROJECT.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL AS REQUIRED THROUGHOUT CONSTRUCTION AND INSPECT EROSION CONTROLS ON A MINIMUM WEEKLY BASIS.
- PRIOR TO THE BEGINNING OF ANY CONSTRUCTION PHASE THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL AND MAKE ANY REPAIRS REQUIRED AS WELL AS CONFIRM THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL WHICH IS SPECIFIC TO ANY CONSTRUCTION PHASE.
- THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL CONFORM TO ALL EROSION CONTROL DETAILS AND SPECIFICATIONS. IF TEMPORARY DRAINAGE IS REQUIRED WITHIN THE STAGING AND STORAGE AREA IT SHALL CONFORM TO ALL EROSION CONTROL SPECIFICATIONS AND DETAILS AND APPROVED BY THE GOVERNING AGENCY PRIOR TO INSTALLATION.
- ALL SOILS STORED WITHIN THE CONTRACTOR STAGING AND STORAGE AREA SHALL BE SURROUNDED BY A SINGLE ROW OF STAKED HAY BALES AND COVERED TO PREVENT WIND EROSION.
- ALL TREE PROTECTION SHALL BE MAINTAINED AND INSPECTED THROUGHOUT CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED AS SOON AS POSSIBLE. CONTRACTOR SHALL WATER AS REQUIRED BY CONTRACT DOCUMENTS TO ASSURE PROPER GROWTH.
- PRECAUTIONS SHALL BE TAKEN TO PREVENT AND CONTROL DUST FROM CONSTRUCTION OPERATIONS BECOMING A NUISANCE TO ADJACENT AREAS. SURROUNDING STREETS AND WALKWAYS SHALL BE SWEEPED AND WASHED CLEAN ON A DAILY BASIS OR AS DIRECTED BY GOVERNING AGENCY. STOCKPILES AND UNSTABILIZED SURFACES SHALL BE KEPT MOIST.
- CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- UPON COMPLETION OF TRENCH BACKFILLING OR OTHER INDIVIDUAL ITEMS OF CONSTRUCTION, ALL SURPLUS MATERIALS AND EQUIPMENT NO LONGER NEEDED SHALL BE IMMEDIATELY REMOVED, LEAVING THE CONSTRUCTION SITE AND SURROUNDINGS FREE AND CLEAN.
- AFTER WORK IS COMPLETE, SEWERS, DRAINS, MANHOLES, CATCH BASINS AND OTHER STRUCTURES SHALL BE CAREFULLY CLEANED OF DIRT, BROKEN MASONRY, MORTAR AND OTHER DEBRIS AND LEFT READY FOR USE.

- DISCHARGES OF STORMWATER FROM THE PROJECT MUST COMPLY WITH NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES (ORDER NO. 2012-0006-DWQ NPDES NO. CAS000002).

CONSTRUCTION PHASING

PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL:

- SUBMIT PLAN OF PROPOSED CONTRACTOR STAGING AND STORAGE AREA FOR REVIEW AND APPROVAL BY GOVERNING AGENCY.
- SUBMIT FOR APPROVAL A TRAFFIC PLAN SHOWING HOW ALL TRUCK MOVEMENTS TO AND FROM THE SITE ARE TO BE ACCOMPLISHED. TRAFFIC CONTROL SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (1988 EDITION, INCLUDING REVISION J, DATED SEPTEMBER 3, 1993) AS WELL AS ANY CALTRANS AND LOCAL JURISDICTION MODIFICATIONS THERETO.
- REVIEW ALL EXISTING UTILITY INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS AND CONDUCT ALL OTHER ADDITIONAL RESEARCH REQUIRED TO CONFIRM EXISTING UTILITIES. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED.
- MARK OUT ALL EXISTING UTILITIES ON THE SITE AND COORDINATE WITH EACH UTILITY OWNER OR OPERATOR ON THE WORK THAT WILL AFFECT EACH UTILITY. THE GOVERNING AGENCY SHALL BE NOTIFIED THAT THE UTILITY OWNERS/OPERATORS HAVE BEEN CONTACTED AND SHALL BE PRESENT FOR ALL SITE MEETINGS.
- SUBMIT TO THE GOVERNING AGENCY COMPLETE PHASING PLANS FOR REVIEW AND APPROVAL.

SITE PREPARATION AND DEMOLITION

- CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED MATERIAL AND DEBRIS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS HAVING JURISDICTION.
- CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ANY AREAS ADJACENT TO AND OUTSIDE THE LIMIT OF WORK WHICH ARE DISTURBED DURING CONSTRUCTION, AT THE CONTRACTOR'S OWN EXPENSE.
- CONTRACTOR SHALL SAW CUT PAVEMENT WHERE PAVEMENT TO BE REMOVED ABUTS PAVEMENT WHICH IS TO REMAIN.
- CONTRACTOR SHALL STOCKPILE ALL STRIPPED TOPSOIL OFFSITE.
- UTILITY SERVICES SHALL BE MAINTAINED TO ALL BUILDINGS BEING OCCUPIED AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AT ALL TIMES WITHIN THE LIMIT OF WORK. THERE SHALL BE NO PONDING OF WATER OR EROSION OF LANDSCAPED AREAS AT ANY TIME.
- EXISTING UTILITIES, INDICATED TO REMAIN, SHALL BE PROTECTED IN PLACE, AND MAINTAINED IN GOOD WORKING CONDITION.

LAYOUT

- LABELED DIMENSIONS SUPERSEDE SCALED DIMENSIONS FOR ALL LAYOUT WORK.
- AT ALL LOCATIONS, STATION AND OFFSETS ARE GIVEN TO REVEAL SIDE OF CURB OR EDGE OF PAVEMENT AS APPROPRIATE.
- ALL LINES ARE PARALLEL OR PERPENDICULAR UNLESS OTHERWISE INDICATED.
- ALL HORIZONTAL DRAWING DIMENSIONS SHALL BE MEASURED IN A TRUE VERTICAL PLANE, EXCEPT AS OTHERWISE NOTED.

GRADING

- THE CONTRACTOR SHALL PROVIDE UNIFORM SLOPE BETWEEN SPOT GRADES AND CONTOURS.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY CASTINGS TO FINISHED LINE AND GRADE, UNLESS OTHERWISE NOTED.

UTILITY

- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES IN THE FIELD, SOME UTILITIES MAY BE RELOCATED AS PART OF THE CHAPALA STREET BRIDGE REPLACEMENT PROJECT, PROJECT NO. 7890. REFER TO GENERAL NOTE NO. 7, THIS SHEET.
- CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS AND SIZES OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. CALL DIG ALERT AT 811, A MINIMUM OF TWO (2) FULL WORKING DAYS PRIOR TO EXCAVATING.
- CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER AND STORM DRAIN ELEVATIONS WHICH MAY REQUIRE POT-HOLING.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL UTILITY WORK WITH THE APPROPRIATE GOVERNING AGENCIES.

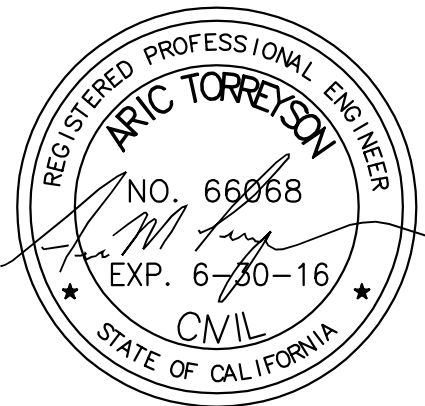
STRUCTURAL NOTES

- REINFORCED CONCRETE MEMBERS ARE DESIGNED IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", AMERICAN CONCRETE INSTITUTE, (ACI 318M) STRENGTH DESIGN METHOD.
- STRUCTURAL STEEL MEMBERS ARE DESIGNED IN ACCORDANCE WITH "MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN", AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- DESIGN LOADS: DEAD LOADS/MATERIAL DENSITIES
NORMAL WEIGHT CONCRETE 150 PCF
STRUCTURAL STEEL 490 PCF
BACKFILLED SOIL 120 PCF
WATER AND BUOYANCY 62.4 PCF
ALUMINUM 170 PCF
VEHICULAR LIVE LOADS: AASHTO HS-20 VEHICLE
AASHTO HS-25 VEHICLE
- FOR GEOTECHNICAL DATA, SEE PROJECT GEOTECHNICAL REPORTS FROM BENGAL ENGINEERING, INC. DATED AUGUST 2010.
- ALL DIMENSIONS TO REINFORCING SHOWN ON THE DRAWINGS ARE TO CENTERLINES OF BARS UNLESS OTHERWISE NOTED.

FOUNDATIONS:

- ALL UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION OR BACKFILL.
- BACKFILL SHALL BE PLACED AND COMPACTED ON SIDES OF STRUCTURES SIMULTANEOUSLY IN ACCORDANCE WITH THE SPECIFICATIONS.
- TOP OF ROCK ELEVATION IS DEFINED BY THE GEOTECHNICAL DATA REPORT AT DISCRETE BORING LOCATIONS ONLY.

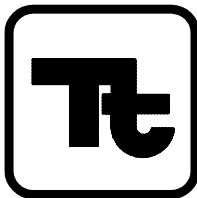
(NOTES TO BE CONTINUED ON FC3)



REVISIONS			
MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH

17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068

JUNE 15, 2016
DATE

SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

NOTES

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC002.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER

FC2

SHEET 2 OF 18

CONSTRUCTION NOTES

- 1

CONSTRUCT DOUBLE 15'W X 6'H RCB PER DETAIL ON SHEET FC12
- 2

LIMIT TOTAL PATIO CONCRETE AND AC PARKING LOT REMOVAL AND REPLACEMENT TO 500 SF OR LESS.
- 3

CONSTRUCT PARAPET WALL PER DETAILS ON SHEET FC12
- 4

CONSTRUCT 18" RCP (D-LOAD 2000) PER CITY OF SANTA BARBARA STANDARD DETAILS U-01.0 AND U-01.1.
- 5

CONSTRUCT CUTOFF WALL PER CALTRANS STD PLAN NO. D86A
- 6

REMOVE EXISTING STORM DRAIN AND CATCH BASIN
- 7

REMOVE EXISTING TREES AND LANDSCAPING
- 8

SAW CUT, REMOVE, AND DISPOSE OF EXISTING PAVEMENT, CURB, GUTTER, AND SIDEWALK
- 9

COORDINATE INSTALLATION OF 6" SPLIT STEEL CONDUIT TO BE DONE BY THE FIBER OPTIC CARRIERS. CONSTRUCT FIBER OPTIC LINE CONCRETE ENCASEMENT PER DETAIL ON SHEET FC7.
- 10

REMOVE ABANDONED WATER LINE AS NEEDED TO CONSTRUCT PROPOSED IMPROVEMENTS
- 11

EXISTING UTILITY POLE TO BE PROTECTED IN PLACE
- 12

EXISTING ELECTRICAL VAULT TO BE PROTECTED IN PLACE
- 13

REMOVE EXISTING BULKHEAD
- 14

CONSTRUCT ORNAMENTAL STEEL FENCE PER DETAIL D ON SHEET FC13
- 15

REMOVE AND REPLACE TRAFFIC SIGN
- 16

CONSTRUCT JUNCTION STRUCTURE- PIPE TO RCB PER APWA STANDARD PLAN 333-2
- 17

CONSTRUCT CURBSIDE GRATING CATCH BASIN PER APWA STANDARD PLAN 303-3, H=2' 2 GRATES
- 18

CONSTRUCT COMMERCIAL DRIVEWAY PER CITY OF SANTA BARBARA STD DETAIL H-03.1
- 19

CONSTRUCT NEW 2.5" AC PAVING OVER 6" AGGREGATE BASE
- 20

CONSTRUCT CONCRETE SIDEWALK PER CITY OF SANTA BARBARA STD DETAIL H-06.0 AND H-06.1
- 21

CONSTRUCT 18" CONC. CURB AND GUTTER WITH A 6" CURB PER CITY OF SANTA BARBARA STD DETAIL H-03.1
- 22

EXISTING CATCH BASIN PROTECT IN PLACE REMOVE INTERFERING PORTION OF 12" RCP
- 23

TEMPORARY SHORING ARE REQUIRED TO CONSTRUCT RCB CULVERT
- 24

RECONSTRUCT IRRIGATION PER BACKPACKERS HOSTEL RECORD DRAWINGS
- 25

REMOVE AND SALVAGE EX. PIPE HANDRAILING ON BRIDGE. CONTRACTOR MAY REFURBISH AND INCORPORATE INTO THE NEW WORK.
- 26

REMOVE EXISTING STRUCTURE
- 27

CONSTRUCT MODIFIED 15' WIDE SLOPED PROTECTION BARRIER AND LIFTING LUG PER APWA STANDARD PLAN 360-2
- 28

CONSTRUCT PIPE HANDRAILING PER DETAILS ON SHEET FC13.
- 29

CONSTRUCT TRANSITION STRUCTURE-PIPE TO PIPE PER APWA STANDARD PLAN 340-2
- 30

CONSTURCT NEW LANDSCAPE PLANTER IN KIND
- 31

CONSTRUCT CELLULAR GRASSCRETE PAVERS OR APPROVED EQUAL TO BE USED WITH WITH AGGREGATE BASE
- 32

REMOVE AND SALVAGE EXISTING LANDSCAPING LIGHTS TO BE INSTALLED AFTER CONSTRUCTION PER ENGINEERS DIRECTION.
- 33

PLACE RIPRAP REVETMENT PER DETAIL H ON SHEET FC17
- 34

CONSTRUCT EXPOSED EXTERIOR WALL AND PARAPET WALL FINISHING WITH COLORED CONCRETE, DAVIS-COLOR "MESA BUFF," TEXTURED WITH SPEC FORMLINERS, INC. CABRILLO ROCK PATTERN, OR APPROVED EQUIVLANT, ON FC17. CONSTRUCT REAL SANDSTONE CAP PER DETAIL G ON SHEET FC17.

- 35

REMOVE, SALVAGE, AND RECONSTRUCT EXISTING DECOMPOSED GRANITE AND ROCK BORDERS.
- 36

CONSTRUCT LOCAL DEPRESSIONS AT CATCH BASINS PER APWA STANDARD PLAN 313-3, CASE F, K=3'
- 37

CONSTRUCT MONOLITHIC CATCH BASIN CONNECTION PER APWA STANDARD PLAN 308-2
- 38

CONSTRUCT 6' WIDE TEMPORARY DG WALKWAY (12" THICK)
- 39

CONSTRUCT DROP INLET THROUGH THE TOP OF THE RCB PER MANHOLE STRUCTURE TO RCB PER APWA DETAIL 323-2 WITH A 36" DIA. TRAFFIC RATED METAL GRATE
- 40

CONSTRUCT PATIO COLUMN AND BASE PER DETAIL ON SHEET FC10
- 41

CONSTRUCT 30" ROLLED CURB AND GUTTER PER CITY OF SANTA BARBARA STANDARD DETAIL H-02.1.
- 42

CONSTRUCT GRATED LINE DRAIN (NEEHAH FRAME AND GRATE R-3928 OR APPROVED EQUAL) AND PER DETAIL ON SHEET FC8.
- 43

RECONSTRUCT PATIO CONCRETE SLAB PER BACKPACKERS HOSTEL RECORD DRAWINGS

(NOTES CONTINUATION FROM SHEET FC2)

CONCRETE

1.

STRUCTURAL CONCRETE, INCLUDING ALL PRECAST COMPONENTS, SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED ON THE PLANS AND SHALL CONFORM TO THE REQUIREMENTS OF THE PROJECT SPECIFICATION
2.

PROVIDE A 3/4" CHAMFER AT ALL EXPOSED CONCRETE EDGES UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
3.

CONCRETE WORK SHALL BE COORDINATED AND VERIFIED WITH ALL OTHER WORK TO ENSURE PROPER PROVISIONS FOR DOWELS, INSERTS, EMBEDMENTS, PIPING AND MANHOLE REQUIREMENTS PRIOR TO CONCRETE PLACEMENT.
4.

CONSTRUCTION JOINTS SHOWN ON THE DRAWINGS SHALL NOT BE OMITTED WITHOUT PRIOR APPROVAL.
5.

CONSTRUCTION JOINTS, IN ADDITION TO THOSE SHOWN ON THE DRAWINGS, SHALL NOT BE PERMITTED UNLESS ACCEPTED IN WRITING BY THE GOVERNING AGENCY.

REINFORCEMENT

1.

REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60 UNLESS OTHERWISE NOTED.
2.

WELDED BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM, A706, GRADE 60.
3.

EPOXY-COATED REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A775.
4.

THE MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE 2", EXCEPT IT SHALL BE 3" FOR CONCRETE CAST DIRECTLY AGAINST EARTH.
5.

SEE STRUCTURAL SPECIFICATIONS FOR SPECIFIC REINFORCEMENT GUIDELINES
6.


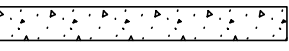

BARS SHALL BE MECHANICALLY SPliced WHERE INDICATED ON THE DRAWINGS AND AS OTHERWISE REQUIRED TO ACCOMMODATE CONSTRUCTION SEQUENCING. MECHANICAL SPLICES SHALL DEVELOP 125% OF THE YIELD STRENGTH OF THE BAR.
7.

MECHANICAL SPLICES SHALL BE STAGGERED A MINIMUM OF 12" ADJACENT BARS.


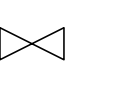
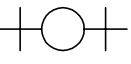
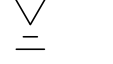






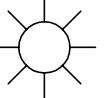

ABBREVIATIONS

ABAND.	ABANDONED	OC	ON CENTER
ABC	AGGREGATE BASE COURSE	OG	ORIGINAL GROUND
AC	ASPHALTIC CONCRETE	PED	PEDESTRIAN
APPROX.	APPROXIMATE	PERF.	PERFORATED
AVE	AVENUE	PCC	POINT OF COMPUND CURVE
BC	BEGIN CURVE	PI	POINT OF INTERSECTION
BLDG	BUILDING	PIP	PROTECT IN PLACE
BOW	BACK OF WALK	PRC	POINT OF REVERSE CURVE
CL	CENTERLINE	PROP	PROPOSED
C	CURVE DATA	PVC	POLYVINYL CHLORIDE
CF	CUBIC FEET	R	RADIUS
CFS	CUBIC FEET PER SECOND	RCP	REINFORCED CONCRETE PIPE
CG	CURB AND GUTTER	RD	ROAD
CH	CHANNEL	RET	RETAINING
C.J.	CONSTRUCTION JOINT	ROW	RIGHT-OF-WAY
CLR	CLEAR	S=	SLOPE
CMP	CORRUGATED METAL PIPE	S	SOUTH
COE	CORPS OF ENGINEERS	SD	STORM DRAIN
CONC	CONCRETE	SDMH	STORM DRAIN MANHOLE
CONST.	CONSTRUCT	SF	SQUARE FEET
CY	CUBIC YARD	SHT	SHEET
DIA	DIAMETER	SS	SANITARY SEWER
DR	DRIVE	STA	STATION
E	EAST, EASTING	STD	STANDARD
EA	EACH	STR	STRUCTURE
EC	END CURVE	SW	SIDEWALK
EG	EXISTING GRADE	TBD	TO BE DETERMINED
EL	ELEVATION	TEMP.	TEMPORARY
EX	EXISTING	TF	TOP OF FOOTING
EOP	EDGE OF PAVEMENT	TOB	TOP OF BANK
FG	FINISH GRADE	TOW	TOP OF WALL
FL	FLOWLINE	TYP	TYPICAL
FS	FINISH SURFACE	UG	UNDERGROUND
FT	FEET	UPRR	UNION PACIFIC RAILROAD
FWY	FREEWAY	VERT	VERTICAL
GALV	GALVANIZED	VLF	VERTICAL LINEAR FEET
GB	GRADE BREAK	W	WEST
HDPE	HIGH DENSITY POLYETHYLENE PIPE	WS	WATER SURFACE
HOR	HORIZONTAL		
HT	HEIGHT		
INV	INVERT ELEVATION		
L	LINE DATA		
LBS	POUNDS		
LF	LINEAR FEET		
MAX	MAXIMUM		
MH	MANHOLE		
MIN	MINIMUM		
MWD	METROPOLITAN WATER DISTRICT		
N	NORTH, NORTHING		
NAD	NORTH AMERICAN DATUM		
NAVD	NORTH AMERICAN VERTICAL DATUM		
NTS	NOT TO SCALE		

LINETYPES

————	OHW	————	OVERHEAD WIRE
————	AS	————	UNDERGROUND ABANDONED SEWER
————	AW	————	UNDERGROUND ABANDONED WATER
————	G	————	UNDERGROUND GAS
————	E	————	UNDERGROUND ELECTRIC
————	FOC	————	UNDERGROUND FIBER OPTIC CABLE
————	RW	————	UNDERGROUND RECLAIMED WATER
————	S	————	UNDERGROUND SEWER
————	SD	————	UNDERGROUND STORM DRAIN
————	SL	————	UNDERGROUND STREET LIGHT (ELEC.)
————	T	————	UNDERGROUND TELEPHONE
————	TR	————	UNDERGROUND TRAFFIC SIGNAL (ELEC.)
————	W	————	UNDERGROUND WATER
- - - - -			EXISTING
— / — / —			ABANDONED IN PLACE
————			CONTOUR GRADE LINE
			RIP-RAP
			PROPOSED CONCRETE
			SOIL
- - - - -			RIGHT-OF-WAY (R/W)
— - - - -			CENTER LINE/CONTROL LINE
- · - · - · -	TCE	- · - · - · -	TEMPORARY CONSTRUCTION EASEMENT (TCE)
- - - - -			LIMITS OF CONSTRUCTION

SYMBOLS

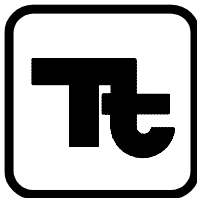
	CATCH BASIN		WATER VALVE
	FIRE HYDRANT		WATER SURFACE
	IRRIGATION CONTROL		SLOPE
	VALVE METER	24	EXISTING ELEVATION
	MANHOLE (TYPE INDICATED)		
	POWER POLE		
	PULLBOX (TYPE INDICATED)		
	STREET LIGHT		
	SURVEY MARKER		

UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

REVISIONS			
MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH

17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068

JUNE 15, 2016

DATE

SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

NOTES, ABBREV., SYMBOLS &
CONSTRUCTION NOTES

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC003.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER

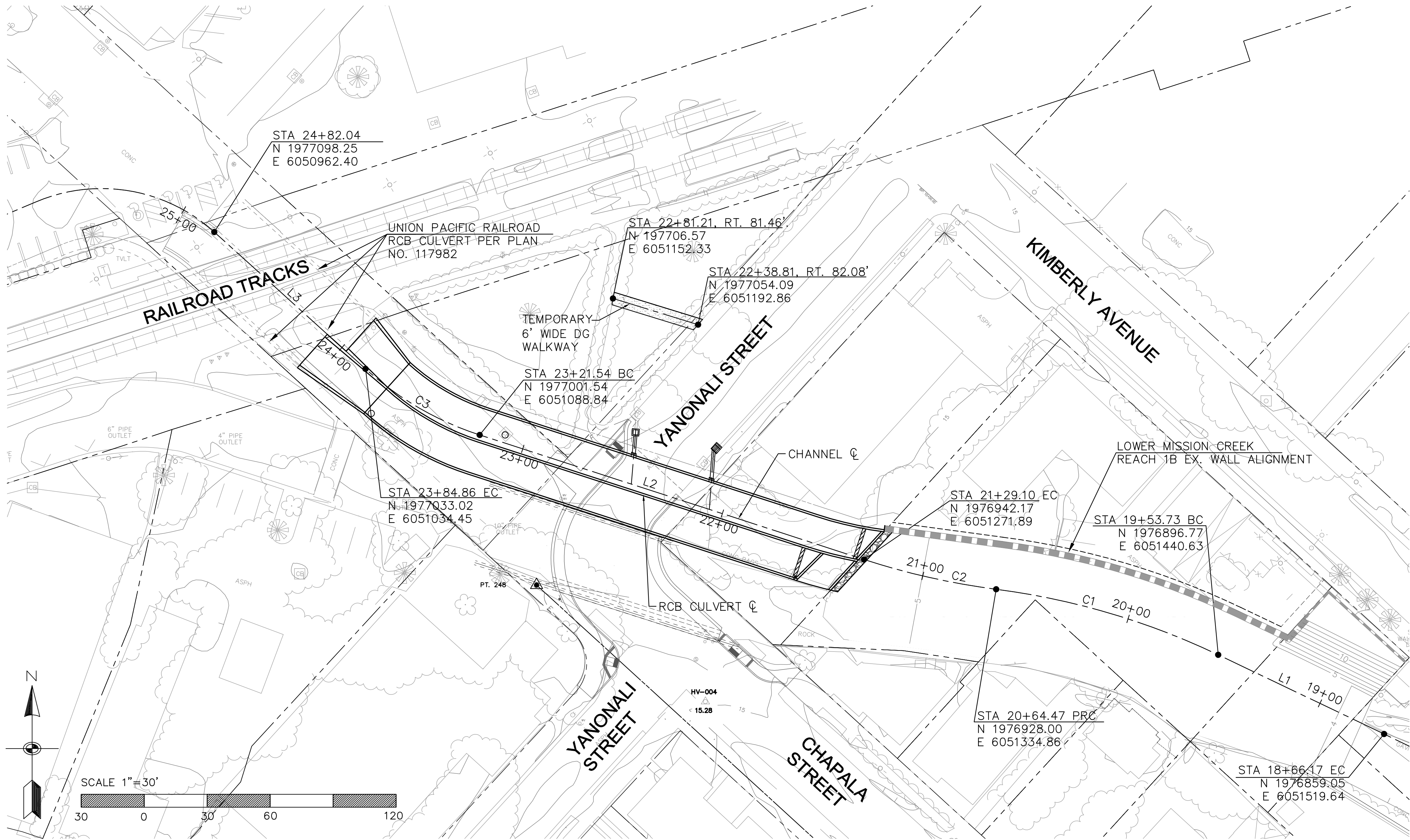
FC3

SHEET 3 OF 18



LOWER MISSION CREEK BYPASS CULVERT – LINE TABLE								
LINE NO.	BEG. NORTHING	BEG. EASTING	BEG. STATION	END STATION	END NORTHING	END EASTING	LENGTH	BEARING
L1	1976859.05	6051519.64	18+66.17	19+53.73	1976896.77	6051440.63	87.56	S64°28'54.79"E
L2	1976942.17	6051271.89	21+29.10	23+21.54	1977001.54	6051088.84	192.44	N72°01'49.56"W
L3	1977033.02	6051034.45	23+84.86	24+82.04	1977098.25	6050962.40	97.18	N47°50'39.60"W

LOWER MISSION CREEK BYPASS CULVERT – CURVE TABLE										
CURVE NO.	BEG. STATION	BEG. NORTHING	BEG. EASTING	END STATION	END NORTHING	END EASTING	LENGTH	RADIUS	DELTA	TANGENT
C1	19+53.73	1976896.77	6051440.63	20+64.47	1976928.00	6051334.86	110.74	350.00	18°07'43.95"	55.84
C2	20+64.47	1976928.00	6051334.86	21+29.10	1976942.17	6051271.89	64.63	350.00	10°34'49.44"	32.41
C3	23+21.54	1977001.54	6051088.84	23+84.86	1977033.02	6051034.45	63.32	150.00	24°11'09.96"	32.14



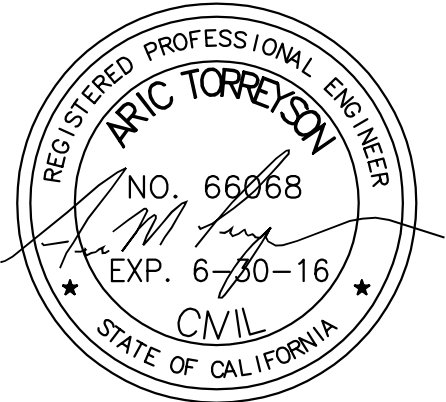
BENCHMARK

FOUND STANDARD USC&GS BRASS TIDAL STATION DISK (DESIGNATION 941 1340 TIDAL 1) STAMPED "BM 1 1930" NEAR THE INTERSECTION OF HELENA AVENUE AND EAST CABRILLO BLVD., SET IN THE TOP OF THE NE'LY END OF A 4' HIGH CONCRETE GUARDRAIL OF THE BRIDGE OVER MISSION CREEK, 52.5' SE'LY OF THE CENTERLINE OF CABRILLO BLVD. ELEVATION = 4.921 METERS NAVD88.

SURVEY CONTROL

- TOPOGRAPHIC MAPPING WAS COMPILED AT A SCALE OF 1"=200', WITH A 1 FOOT CONTOUR INTERVAL, USING STANDARD PHOTOGRAMMETRIC METHODS AND PROCEDURES BY ARROWHEAD MAPPING CORPORATION, FROM AERIAL PHOTOGRAPHY DATED MAY 5, 2003.
- MAPPING IS SUPPLEMENTED BY DATA COLLECTED IN A FIELD SURVEY USING CONVENTIONAL METHODS AND PROCEDURES IN JUNE 2003 BY PENFIED & SMITH, AND IN AUGUST 2003 BY JOHNSON FRANK & ASSOCIATES.
- BEARINGS SHOWN ON THIS MAP ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, NAD 83, ZONE 5 GRID (EPOCH 1991.35), DEFINED LOCALLY BY THE SANTA BARBARA CONTROL NETWORK AS SHOWN ON RECORD OF SURVEY FILED WITH THE COUNTY SURVEYOR IN BOOK 147 PAGES 70-74. DISTANCES AND COORDINATES SHOWN AS MEASURED OR CALCULATED ARE EXPRESSED IN CCS, NAD 83, ZONE V GRID US SURVEY FOOT UNITS.
- ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), DEFINED LOCALLY BY THE SANTA BARBARA CONTROL NETWORK AS SHOWN ON RECORD OF SURVEY FILED WITH THE COUNTY SURVEYOR IN BOOK 147 PAGES 70-74.
- THE EXISTING UTILITIES SHOWN HEREON HAVE BEEN COMPILED FROM ATLAS MAPS OBTAINED FROM THE FOLLOWING PUBLIC AND PRIVATE ENTITIES:

ELECTRIC – SOUTHERN CALIFORNIA EDISON COMPANY
GAS – SOUTHERN CALIFORNIA GAS COMPANY
CATV – COX COMMUNICATIONS
TELEPHONE COMMUNICATIONS – VERIZON
FIBER OPTIC CABLE – AT&T
FIBER OPTIC CABLE – U.S. SPRINT
FIBER OPTIC CABLE – MCI NETWORK SERVICES INC.
WATER – CITY OF SANTA BARBARA
SEWER – CITY OF SANTA BARBARA
STORM DRAIN – CITY OF SANTA BARBARA
- COMPILED UTILITIES HAVE BEEN GEOREFERENCED TO VISIBLE SURFACE UTILITIES LOCATED BY SAID AERIAL MAPPING AND SUPPLEMENTAL FIELD SURVEYS.
- TETRA TECH INC. DOES NOT ACCEPT ANY RESPONSIBILITY FOR INDICATED SIZES, LOCATIONS, ACCURACY OR COMPLETENESS OF INFORMATION OBTAINED FROM SAID ATLAS MAPS.

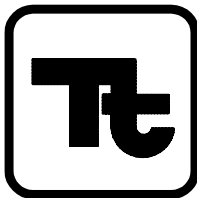


UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

REVISIONS			
MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH

17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068

JUNE 15, 2016
DATE

SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A – BYPASS CULVERT

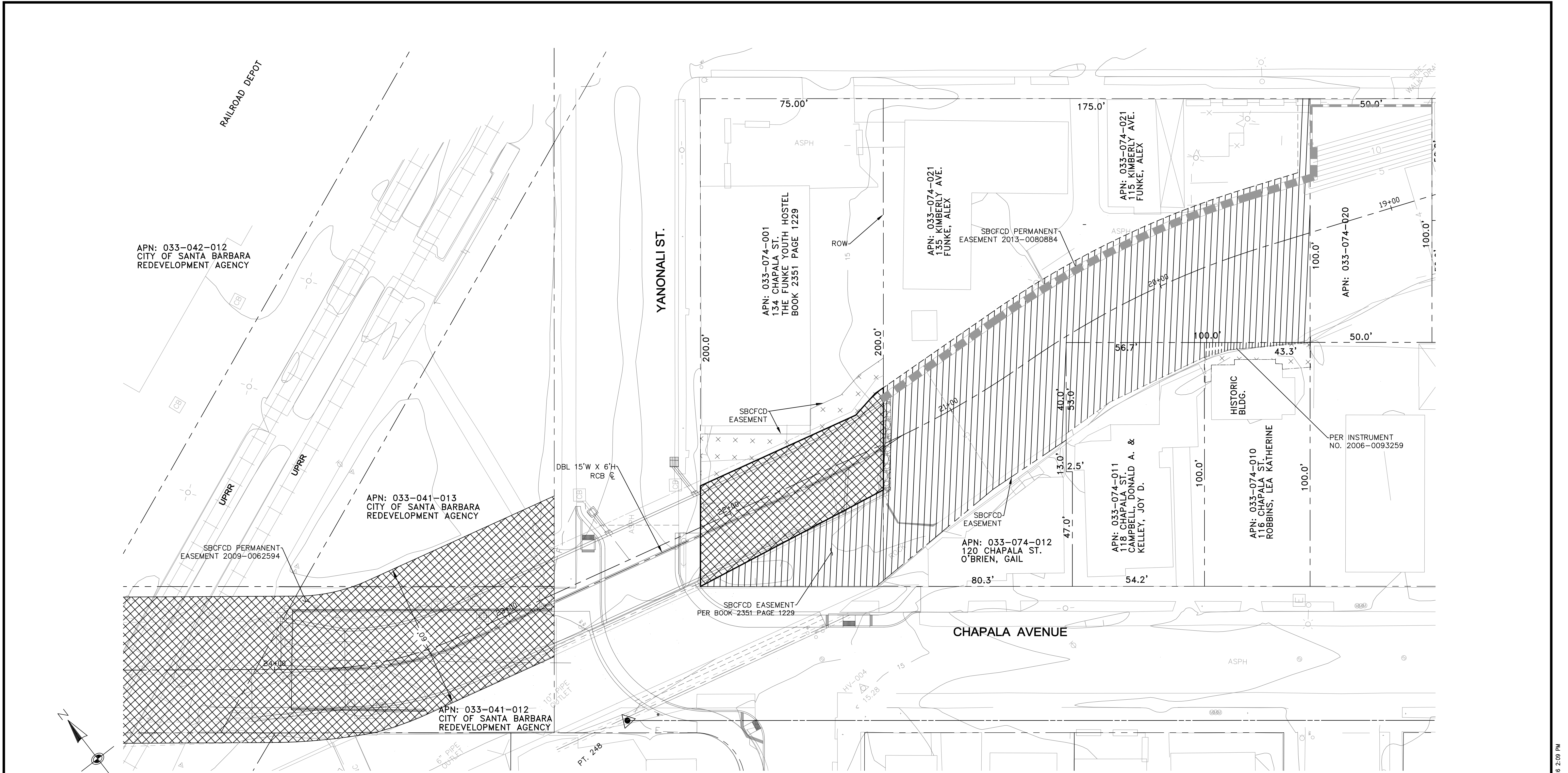
HORIZONTAL CONTROL

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC004.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER

FC4

SHEET 4 OF 18



UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

SHEET LEGEND:

- TEMPORARY CONSTRUCTION EASEMENT (TCE)
- EXISTING SBCFCD CHANNEL EASEMENT
- SBCFCD PERMANENT EASEMENT (INSTRUMENT NO. INDICATES EXISTING SBCFCD EASEMENT)

PROPERTY NOTES:

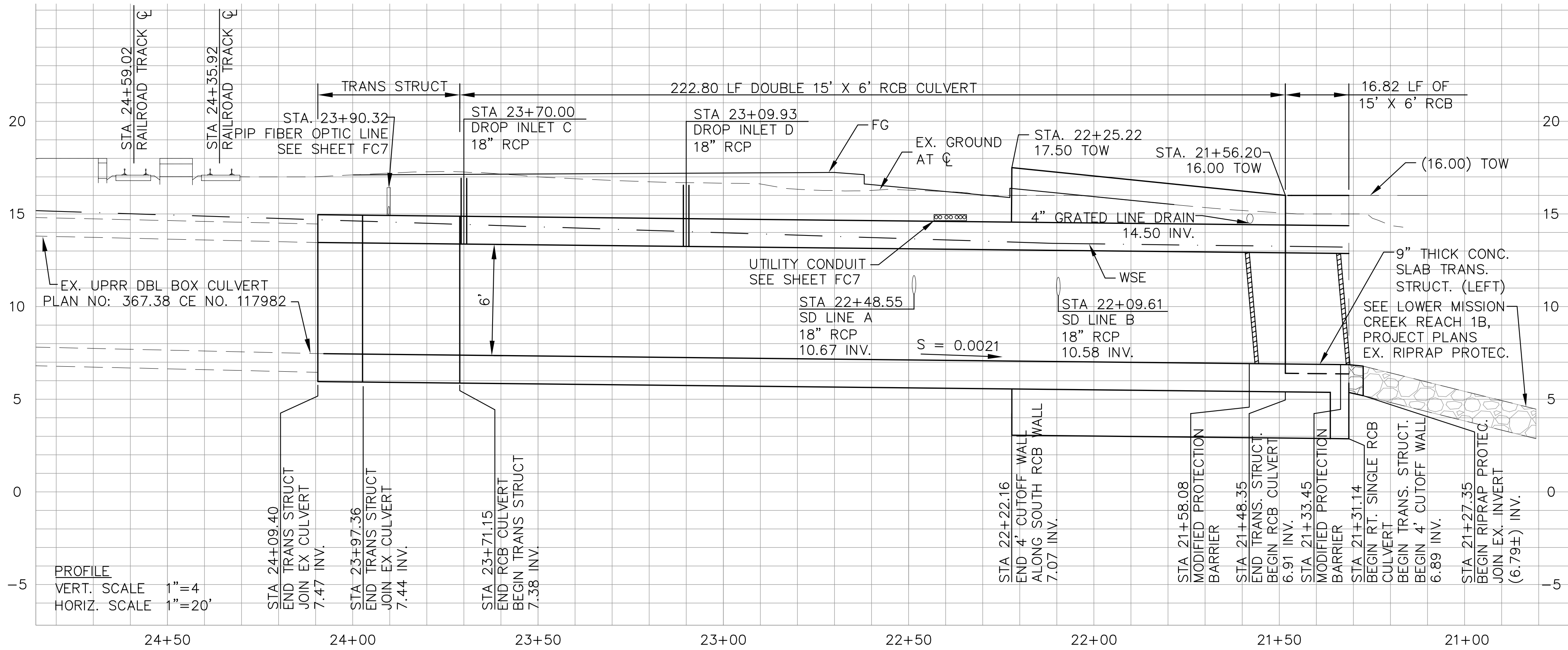
1. SANTA BARBARA COUNTY FLOOD CONTROL DISTRICT (SBCFCD) EASEMENTS AND TEMPORARY CONSTRUCTION EASEMENTS (TCE) LINEWORK ARE PROVIDED BY SBCFCD.

REVISIONS

MARK	DESCRIPTION	DATE	APPR.

SCALE: 1" = 20'

APRIL TORREYSON
REGISTERED PROFESSIONAL ENGINEER
No. 66068
EXP. 6-30-16
CIVIL
STATE OF CALIFORNIA

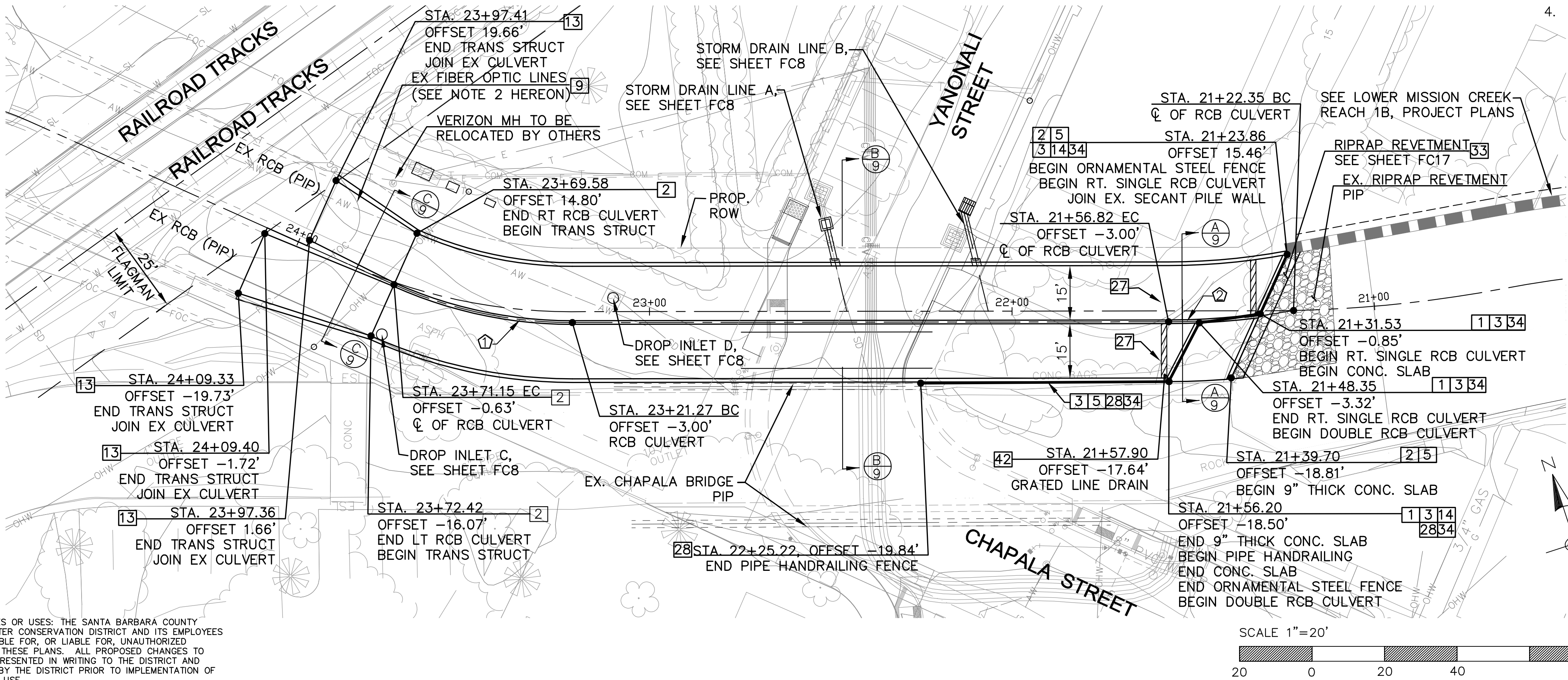


CONSTRUCTION NOTES

- [1] CONSTRUCT DOUBLE 15'W X 6'H RCB PER DETAIL ON SHEET FC12
- [3] CONSTRUCT PARAPET WALL PER DETAILS ON SHEET FC12
- [5] CONSTRUCT CUTOFF WALL PER CALTRANS STD PLAN NO. D86A
- [9] COORDINATE INSTALLATION OF 6" SPLIT STEEL CONDUIT TO BE DONE BY THE FIBER OPTIC CARRIERS. CONSTRUCT FIBER OPTIC LINE CONCRETE ENCASEMENT PER DETAIL ON SHEET FC7.
- [13] REMOVE EXISTING BULKHEAD
- [14] CONSTRUCT ORNAMENTAL STEEL FENCE PER DETAIL D ON SHEET FC13
- [27] CONSTRUCT MODIFIED 15' WIDE SLOPED PROTECTION BARRIER AND LIFTING LUG PER APWA STANDARD PLAN 360-2
- [28] CONSTRUCT PIPE HANDRAILING PER DETAILS ON SHEET FC13.
- [33] PLACE RIPRAP REVETMENT PER DETAIL H ON SHEET FC17
- [34] CONSTRUCT EXPOSED EXTERIOR WALL AND PARAPET WALL FINISHING WITH COLORED CONCRETE, DAVIS-COLOR "MESA BUFF," TEXTURED WITH SPEC FORMLINERS, INC. CABRILLO ROCK PATTERN, OR APPROVED EQUIVLANT, ON FC17. CONSTRUCT REAL SANDSTONE CAP PER DETAIL G ON SHEET FC17.
- [40] CONSTRUCT PATIO COLUMN AND BASE PER DETAIL ON SHEET FC10
- [42] CONSTRUCT GRATED LINE DRAIN (NEEHAH FRAME AND GRATE R-3928 OR APPROVED EQUAL) AND PER DETAIL ON SHEET FC8.

NOTES:

1. SEE SHEET FC7 FOR DEMO PLAN
2. USE EXTREME CAUTION WHEN WORKING AROUND FIBER OPTIC LINES. FIBER OPTIC LINES WILL BE RELOCATED BY VERIZON.
3. CONTRACTOR SHALL COORDINATE WITH AMTRAK AND UNION PACIFIC RAILROAD PRIOR TO CONSTRUCTION ACTIVITIES.
4. A FLAGMEN IS REQUIRED IF WORK IS DONE WITH 25 FEET OF THE CENTERLINE OF THE NEAREST RAIL.



RCB C CURVE ALIGNMENT				
CURVE	RADIUS	LENGTH	TANGEN	DELTA
1	120.00'	50.66'	25.71'	24°11'10"
2	195.22'	34.65'	17.37'	10°10'13"

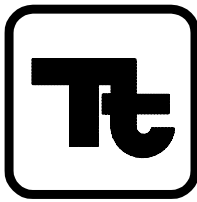
HYDRAULIC DESIGN DATA					
Q (CFS)	E.G. SLOPE (FT/FT)	Vn (FT/S)	Yn (FT)	Yc (FT)	FROUDE. NO.
1840	0.0038	10.22	7.92	4.89	0.65

UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

REVISIONS			
MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH

17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068

JUNE 15, 2016
DATE

SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

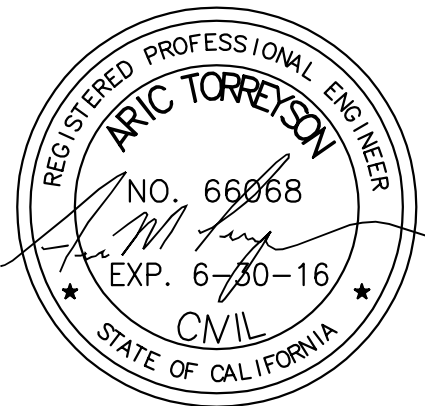
PLAN AND PROFILE

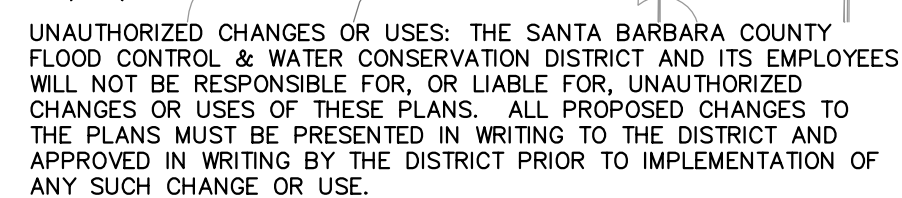
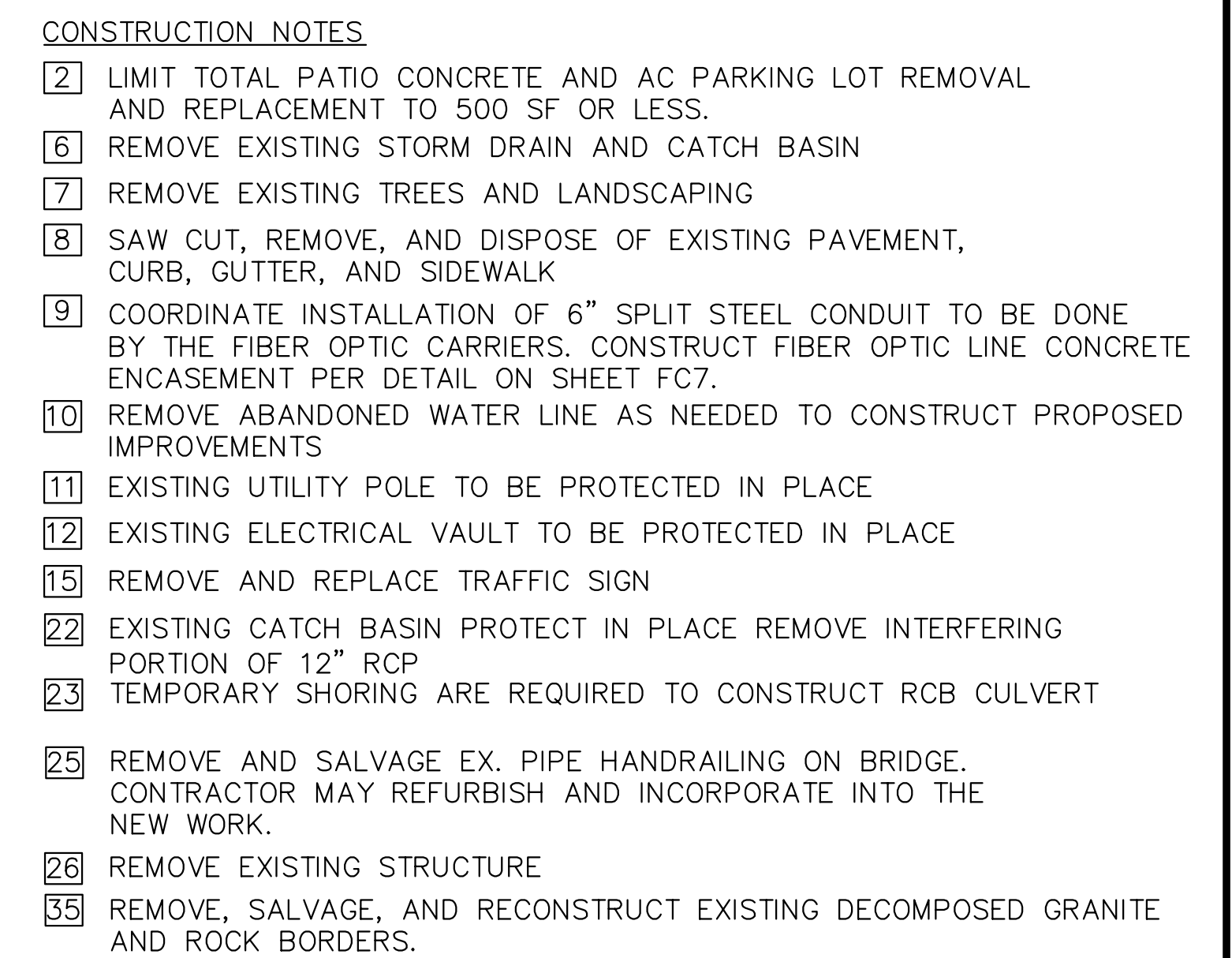
DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC006.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER

FC6

SHEET 6 OF 18



The seal of Santa Barbara County Water Resources is a circular emblem. It features a central illustration of a mission-style building with a bell tower, flanked by palm trees. A winding river flows from the building towards the foreground, where there are rocks and reeds. The text "SANTA BARBARA COUNTY" is arched across the top, and "WATER RESOURCES" is arched across the bottom.

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068

JUNE 15, 2016

DATE

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

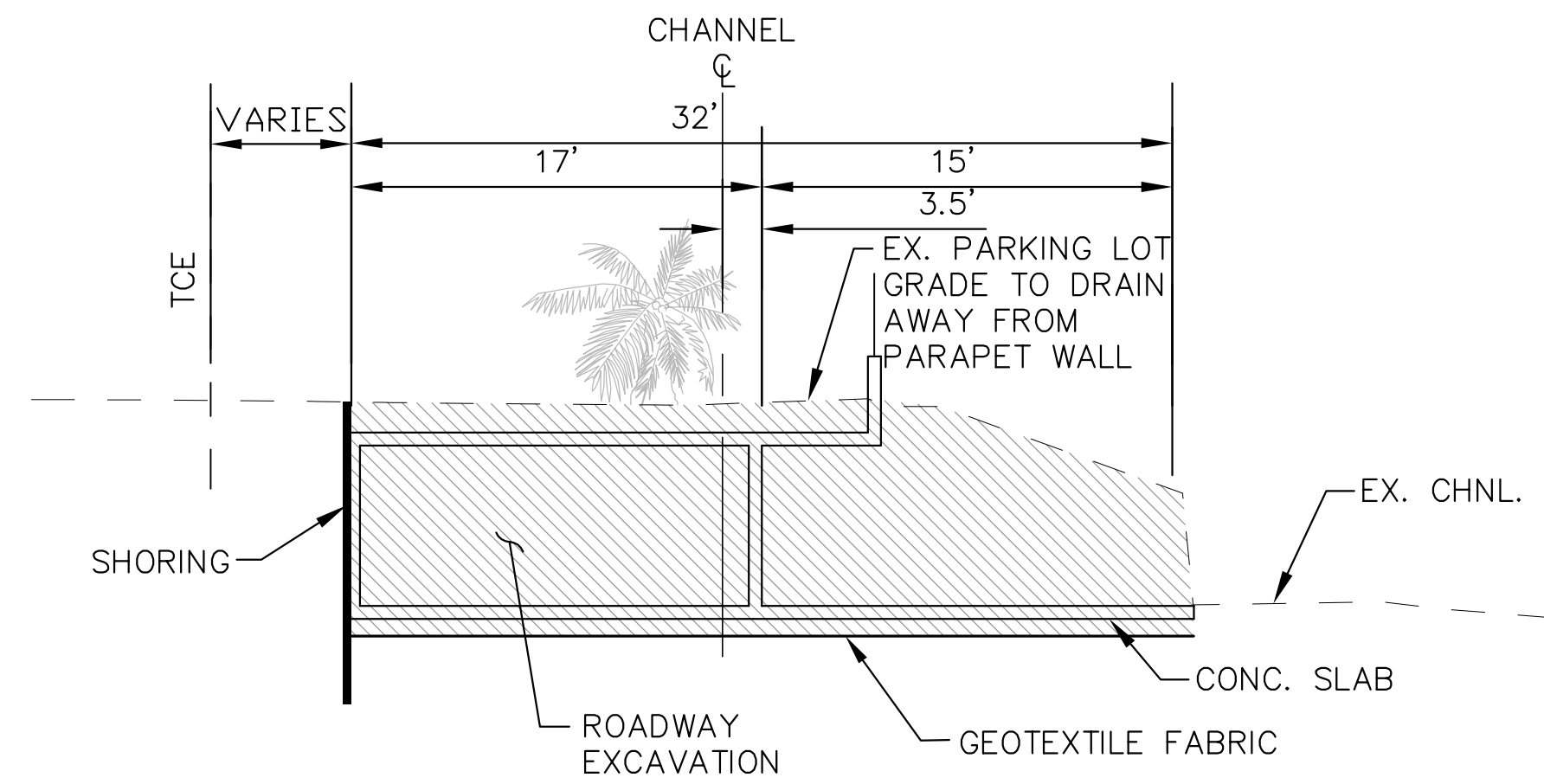
DEMO AND UTILITY PLAN

DATE:	JUNE 2016
SCALE:	AS SHOWN
FILE NAME:	T26034FC007.dwg
DESIGNED BY:	AG
DRAWN BY:	AG
CHECKED BY:	YHC

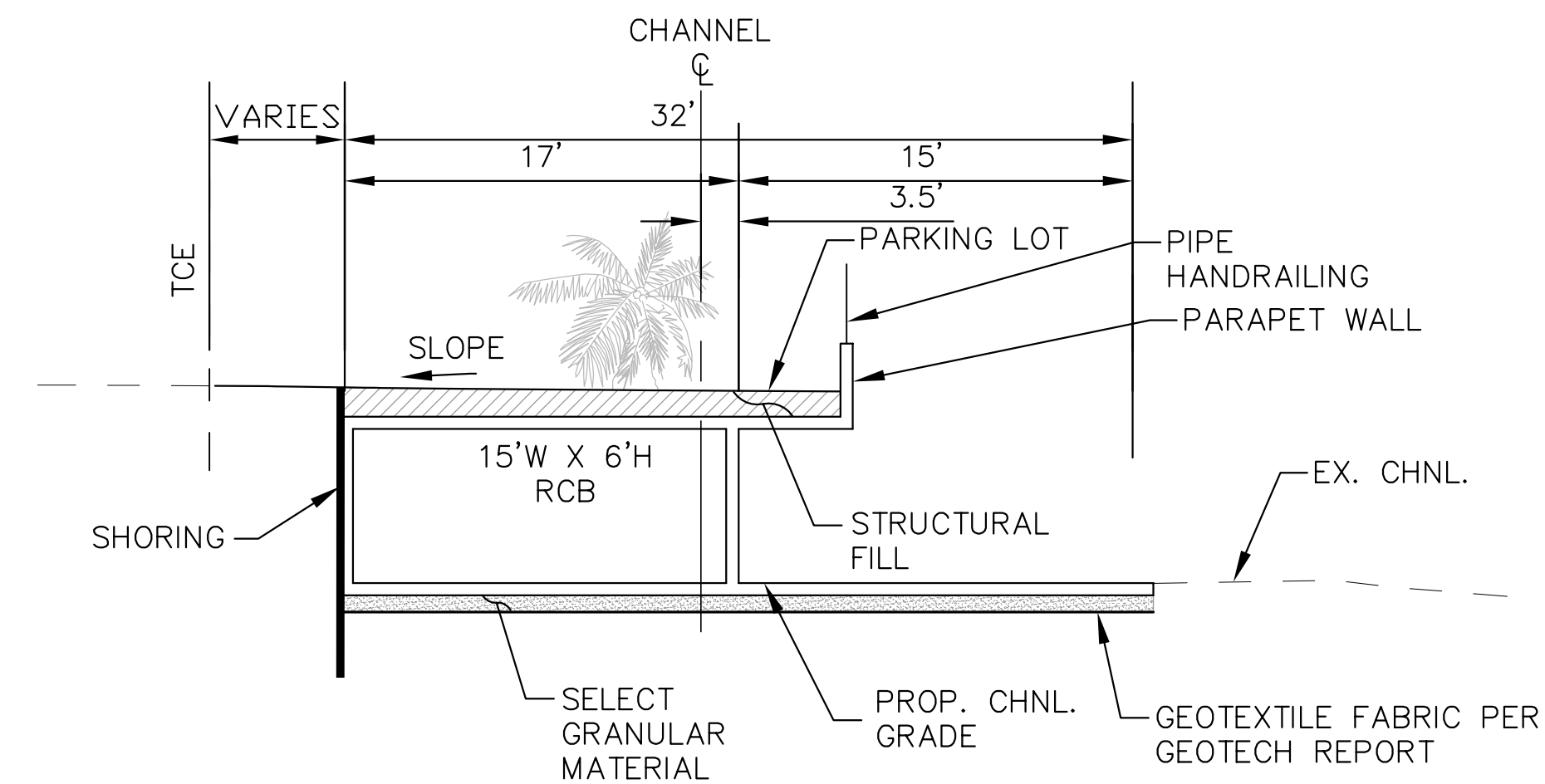
SHEET
REFERENCE
NUMBER

FC7

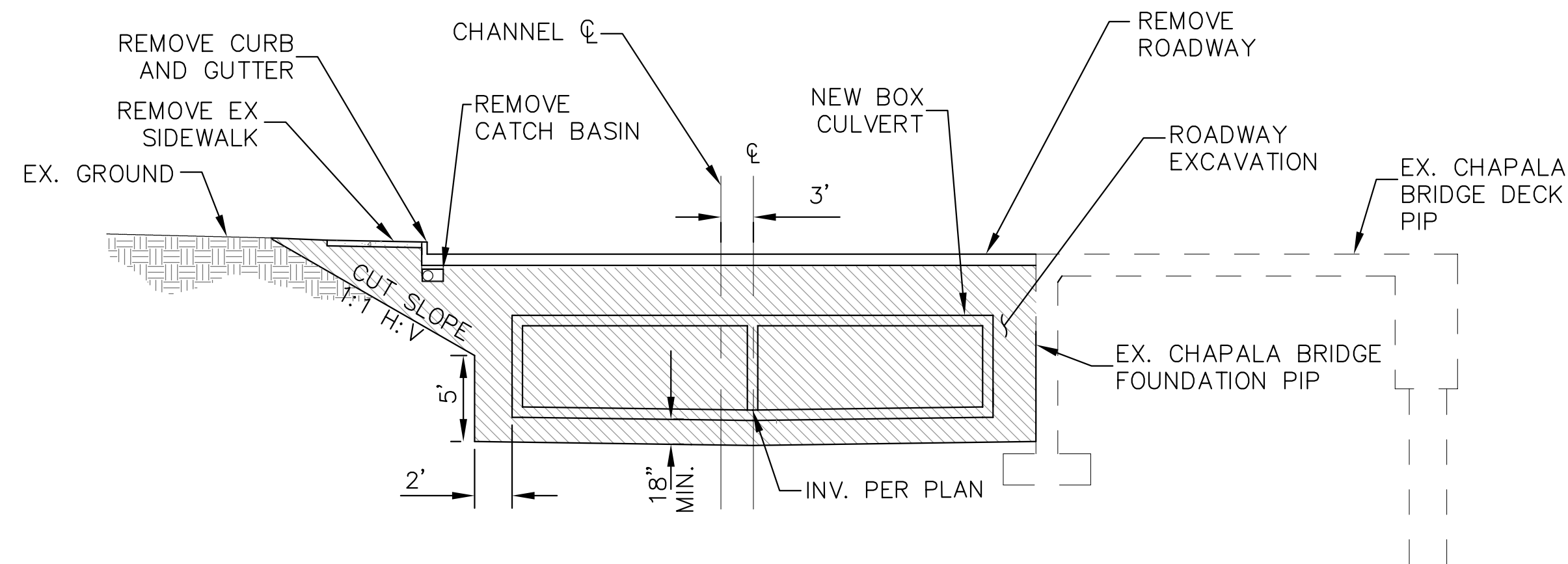
SHEET 7 OF 18



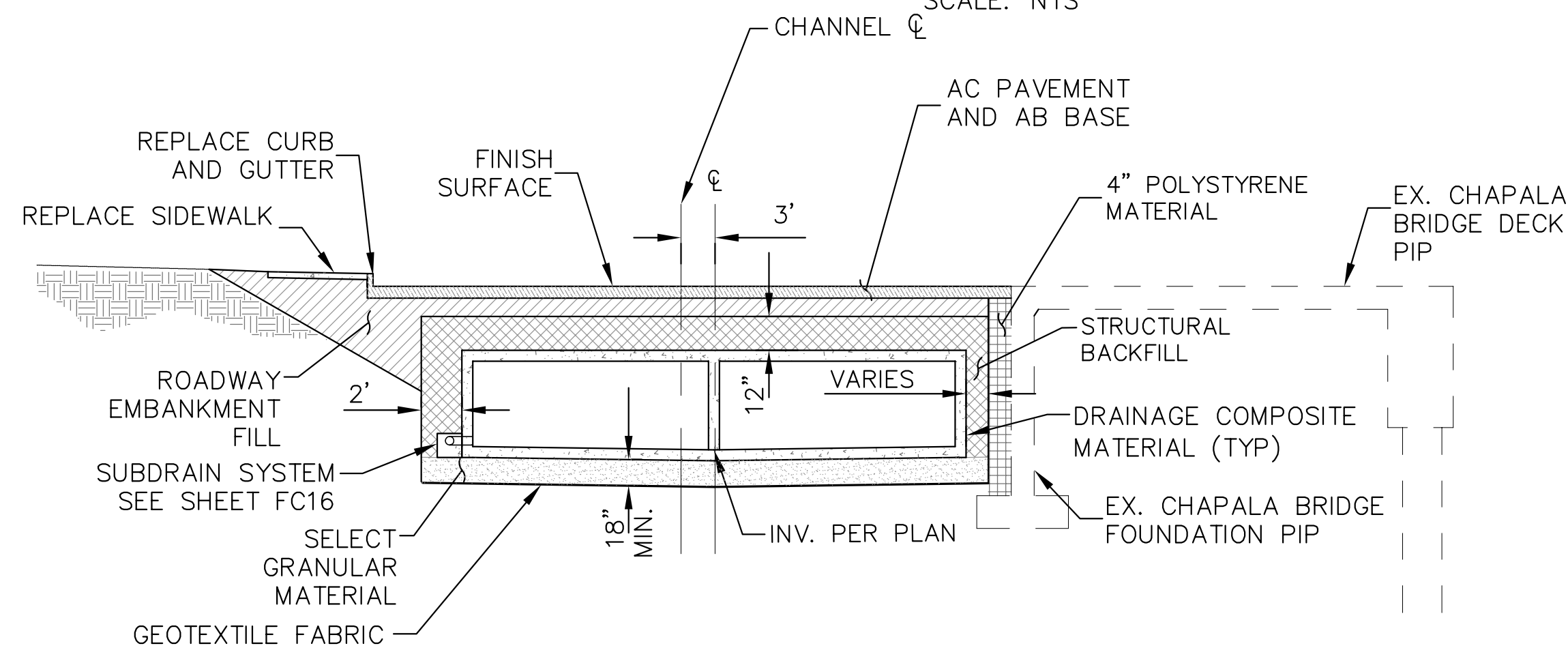
A
6 SECTION A-A (EXCAVATION)
STA. 21+50.00
SCALE: NTS



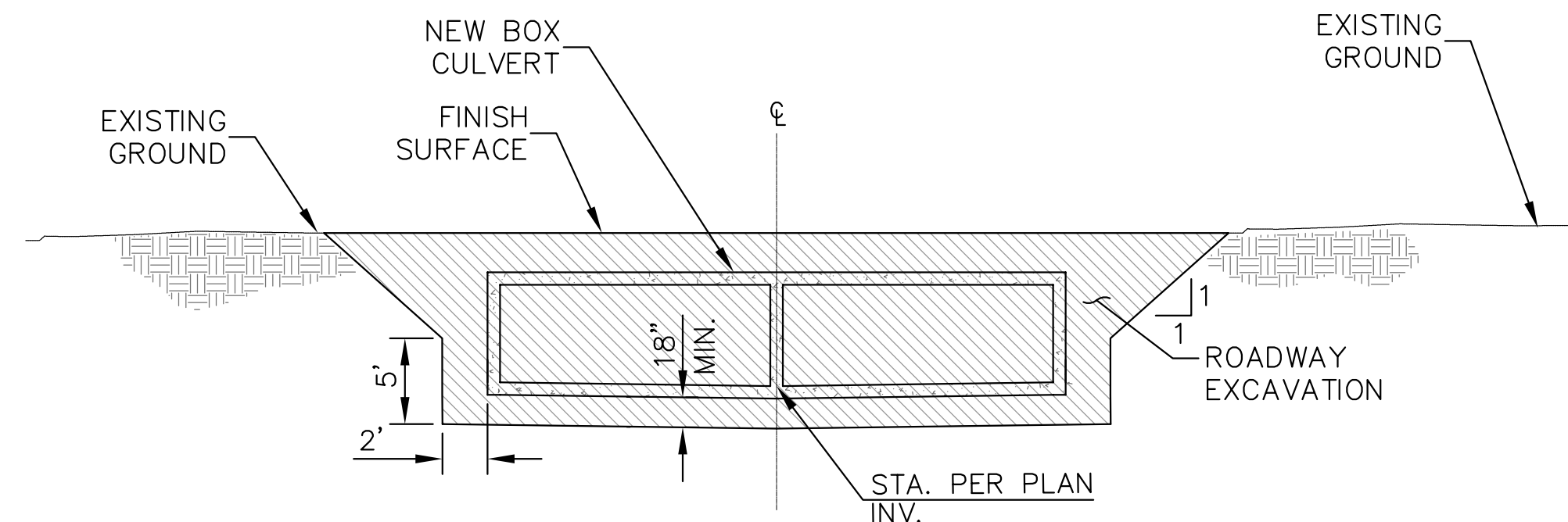
A
6 SECTION A-A (BACKFILL)
STA. 21+50.00
SCALE: NTS



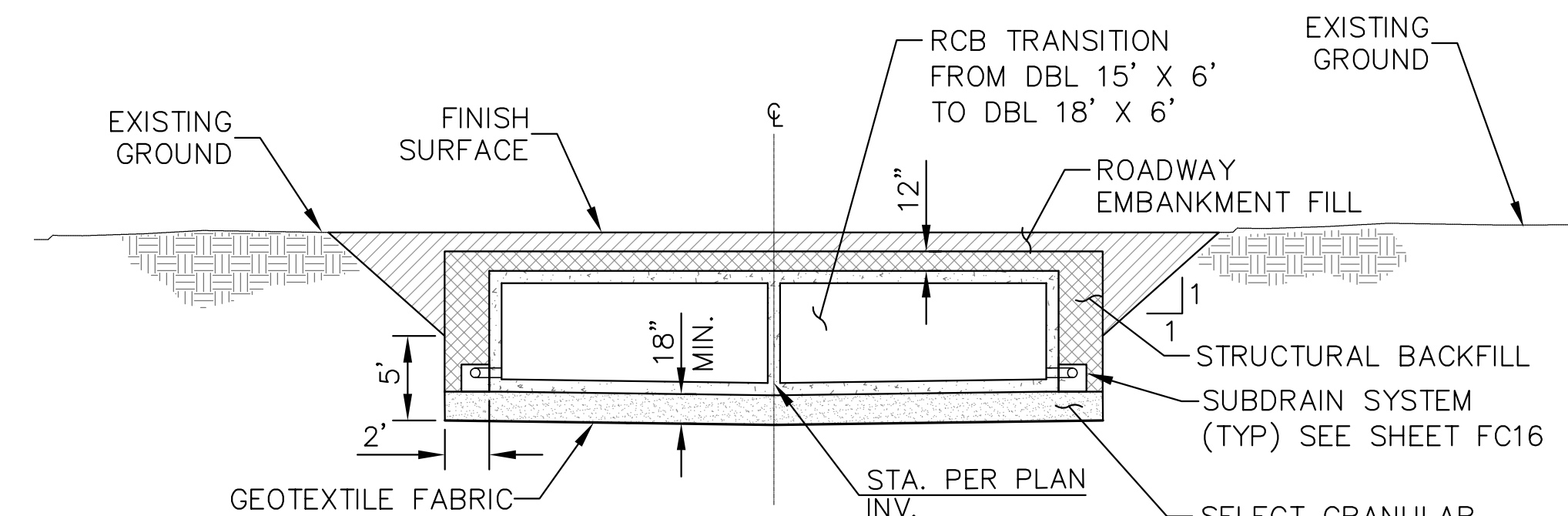
B
6 SECTION B-B (EXCAVATION)
STA. 22+50.00
SCALE: NTS



B
6 SECTION B-B (BACKFILL)
STA. 22+50.00
SCALE: NTS



C
6 SECTION C-C (EXCAVATION)
STA. 23+75.00
SCALE: NTS

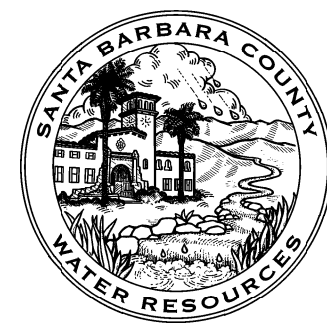


C
6 SECTION C-C (BACKFILL)
STA. 23+75.00
SCALE: NTS

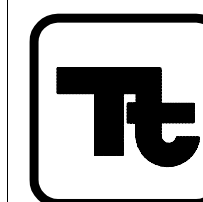
UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

REVISIONS

MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH
17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068
JUNE 15, 2016
DATE

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

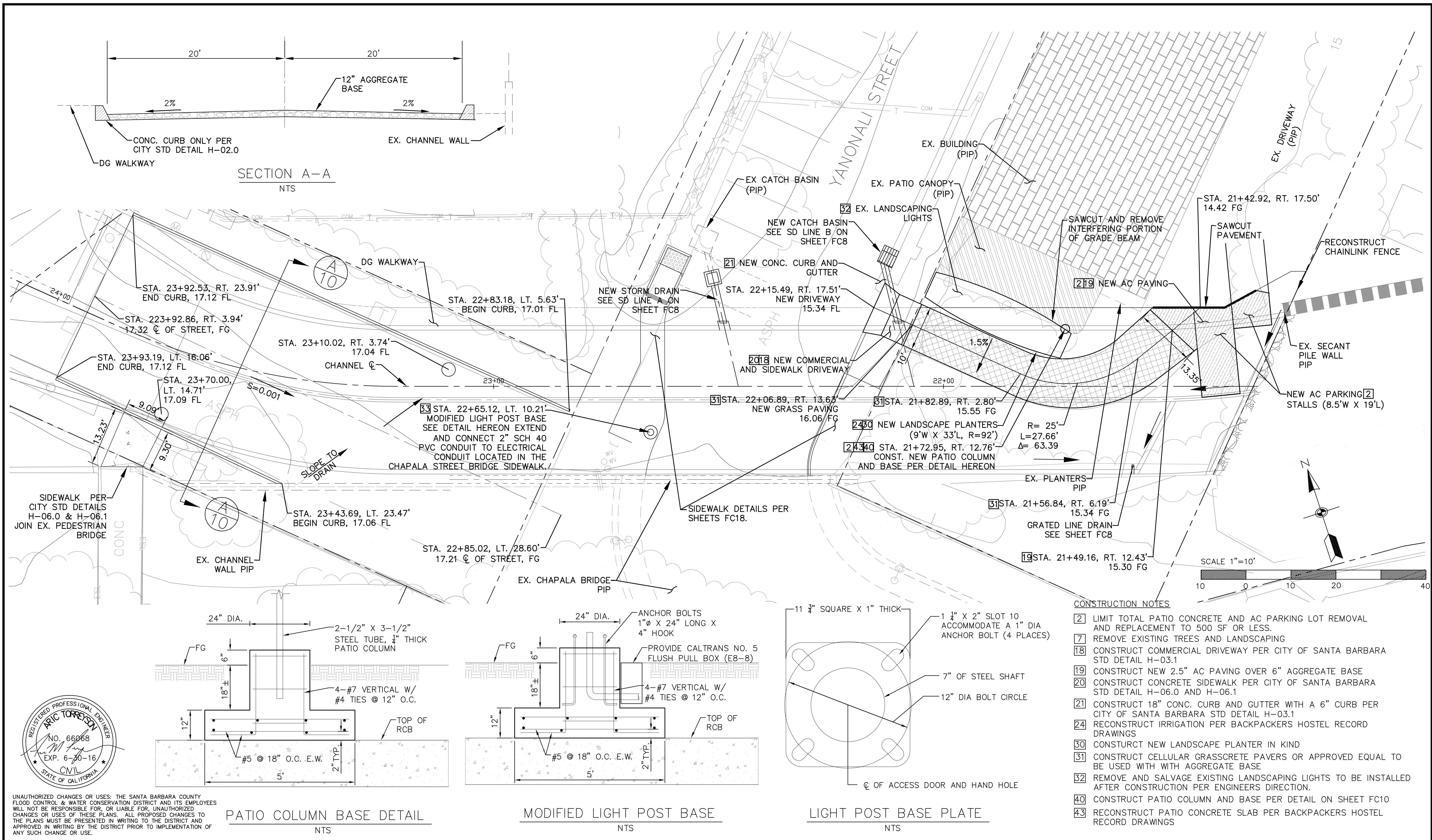
DETAILS & EARTHWORK PAYLINES

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC009.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER

FC9

SHEET 9 OF 18



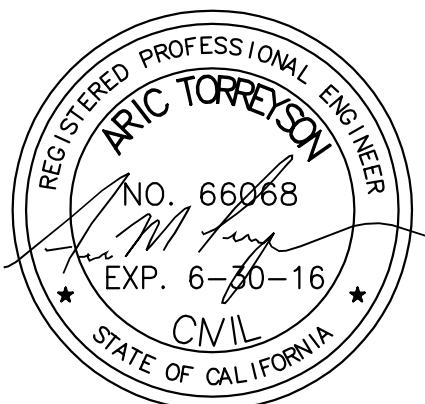
SECTION A-A
NTS

PATIO COLUMN BASE DETAIL
NTS

MODIFIED LIGHT POST BASE
NTS

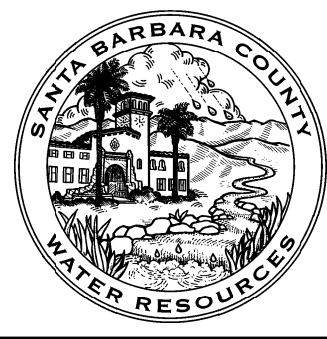
LIGHT POST BASE PLATE
NTS

- CONSTRUCTION NOTES
- 2 LIMIT TOTAL PATIO CONCRETE AND AC PARKING LOT REMOVAL AND REPLACEMENT TO 500 SF OR LESS.
 - 7 REMOVE EXISTING TREES AND LANDSCAPING
 - 18 CONSTRUCT COMMERCIAL DRIVEWAY PER CITY OF SANTA BARBARA STD DETAIL H-03.1
 - 19 CONSTRUCT NEW 2.5" AC PAVING OVER 6" AGGREGATE BASE
 - 20 CONSTRUCT CONCRETE SIDEWALK PER CITY OF SANTA BARBARA STD DETAIL H-06.0 AND H-06.1
 - 21 CONSTRUCT 18" CONC. CURB AND GUTTER WITH A 6" CURB PER CITY OF SANTA BARBARA STD DETAIL H-03.1
 - 24 RECONSTRUCT IRRIGATION PER BACKPACKERS HOSTEL RECORD DRAWINGS
 - 30 CONSTRUCT NEW LANDSCAPE PLANTER IN KIND
 - 31 CONSTRUCT CELLULAR GRASSCRETE PAVERS OR APPROVED EQUAL TO BE USED WITH WITH AGGREGATE BASE
 - 32 REMOVE AND SALVAGE EXISTING LANDSCAPING LIGHTS TO BE INSTALLED AFTER CONSTRUCTION PER ENGINEERS DIRECTION.
 - 40 CONSTRUCT PATIO COLUMN AND BASE PER DETAIL ON SHEET FC10
 - 43 RECONSTRUCT PATIO CONCRETE SLAB PER BACKPACKERS HOSTEL RECORD DRAWINGS

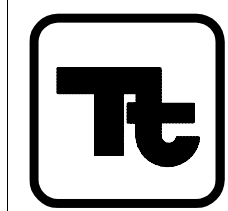


UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

REVISIONS			
MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440

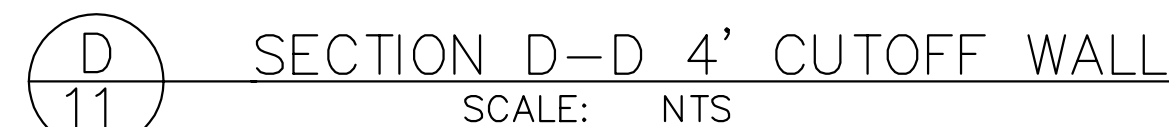
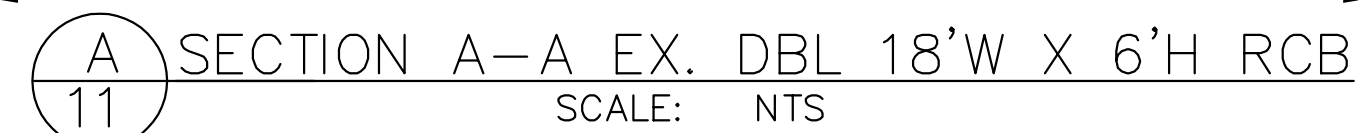


TETRA TECH
17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000
ARIC M. TORREYSON R.C.E. 66068
JUNE 15, 2016

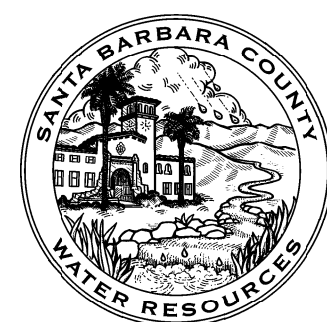
SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT
STREET IMPROVEMENTS & 134 CHAPALA ST IMPROVEMENTS

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC010.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

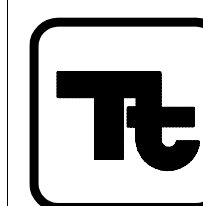
SHEET
REFERENCE
NUMBER
FC10
SHEET 10 OF 18



UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

[illegible]

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH

17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068

DATE JUNE 15, 2016

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A – BYPASS CULVERT

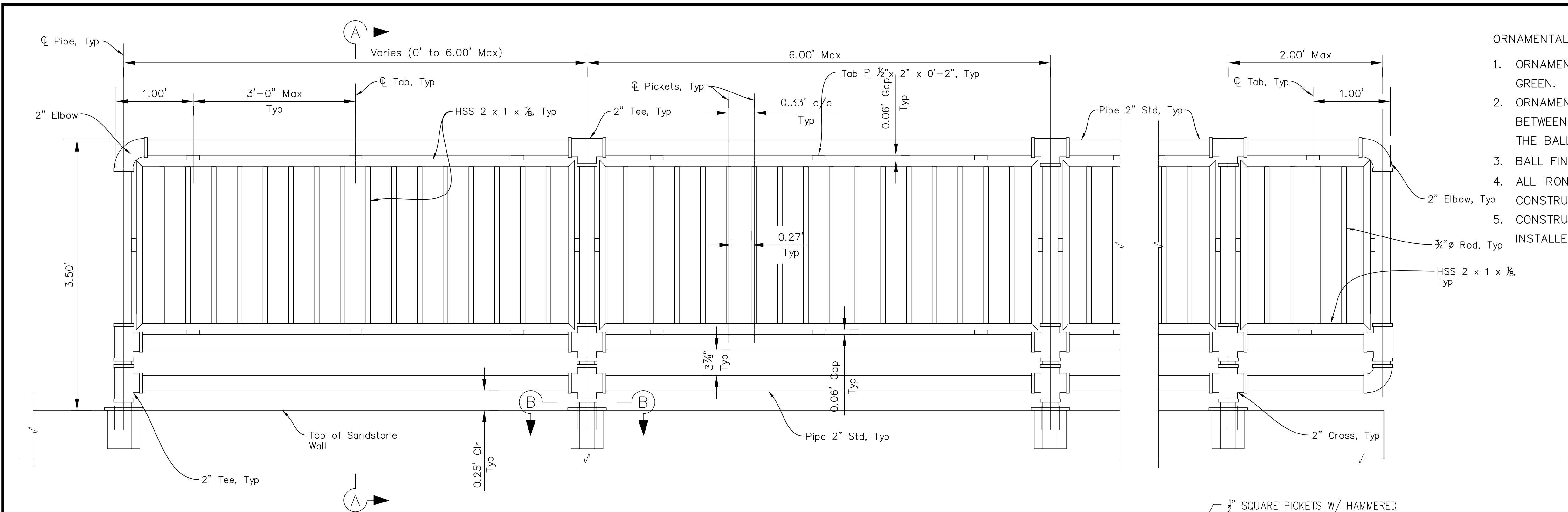
CHANNEL TRANSITION DETAIL

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC011.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER

FC11

SHEET 11 OF 18

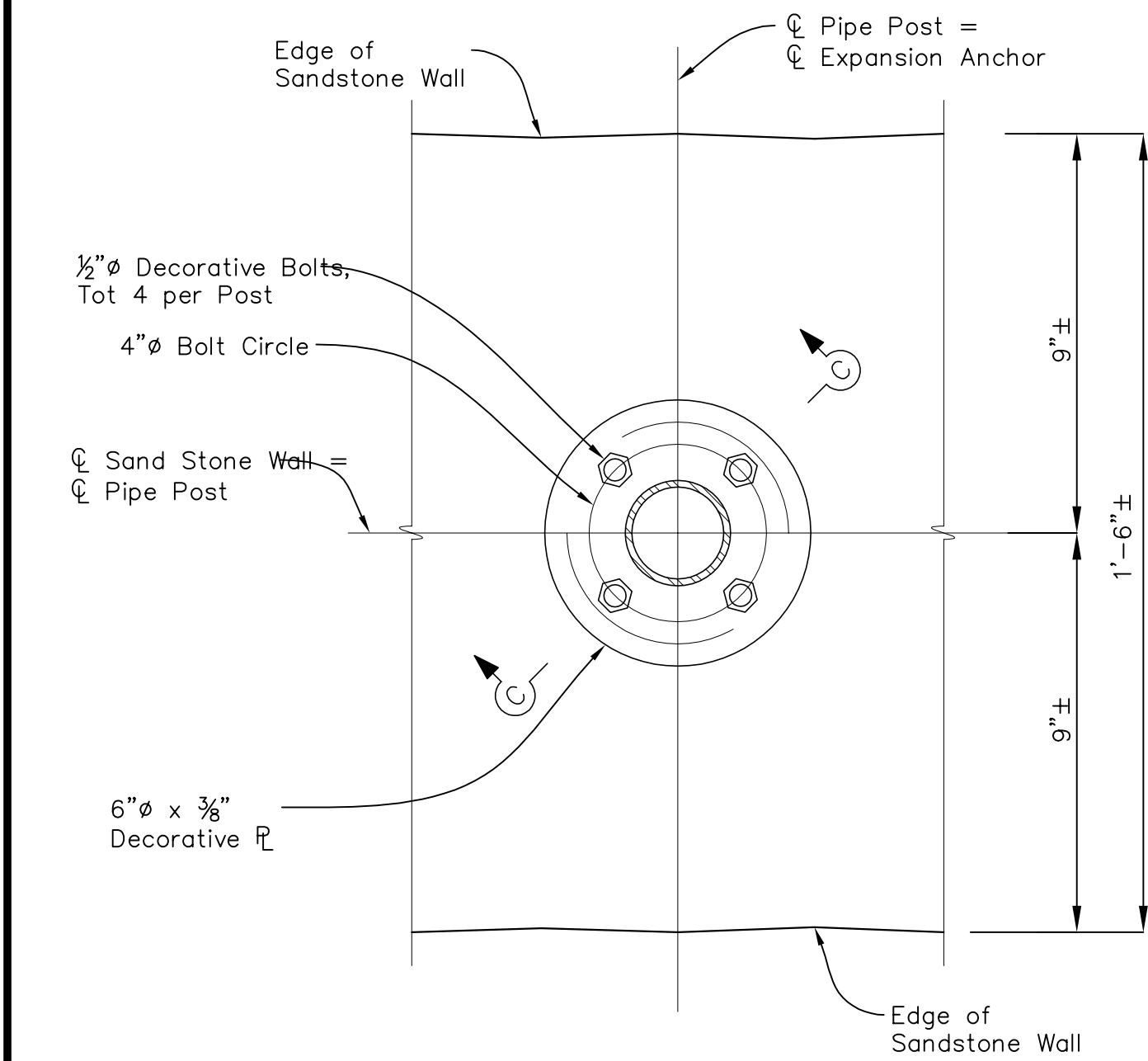


ORNAMENTAL STEEL FENCING NOTES:

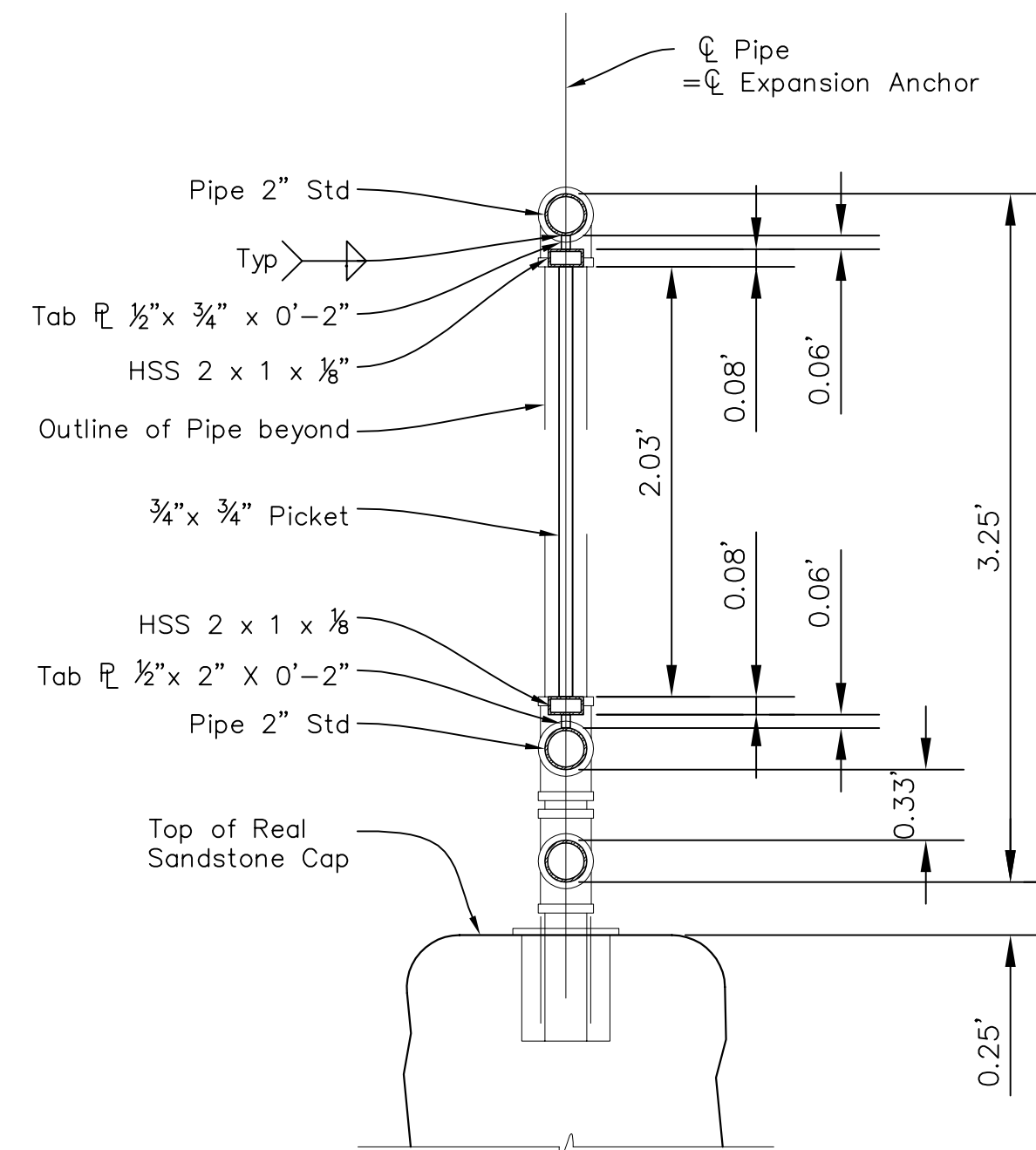
1. ORNAMENTAL STEEL FENCE SHALL BE POWDER COATED MELAGA GREEN.
2. ORNAMENTAL STEEL FENCE SPEAR POINT TIPS SHALL BE LOCATED BETWEEN THE BOTTOM OF THE BALL FINIAL AND THE MID-POINT OF THE BALL FINIAL.
3. BALL FINIALS SHALL BE 2" DIAMETER.
4. ALL IRON SHALL BE SOLID STOCK AND GALVANIZED PRIOR TO CONSTRUCTION.
5. CONSTRUCTION SHALL MATCH EXISTING ORNAMENTAL STEEL FENCE INSTALLED AS PART OF THE ADJACENT REACH 1B PROJECT.

PIPE HANDRAILING DETAIL NOT TO SCALE

D
13

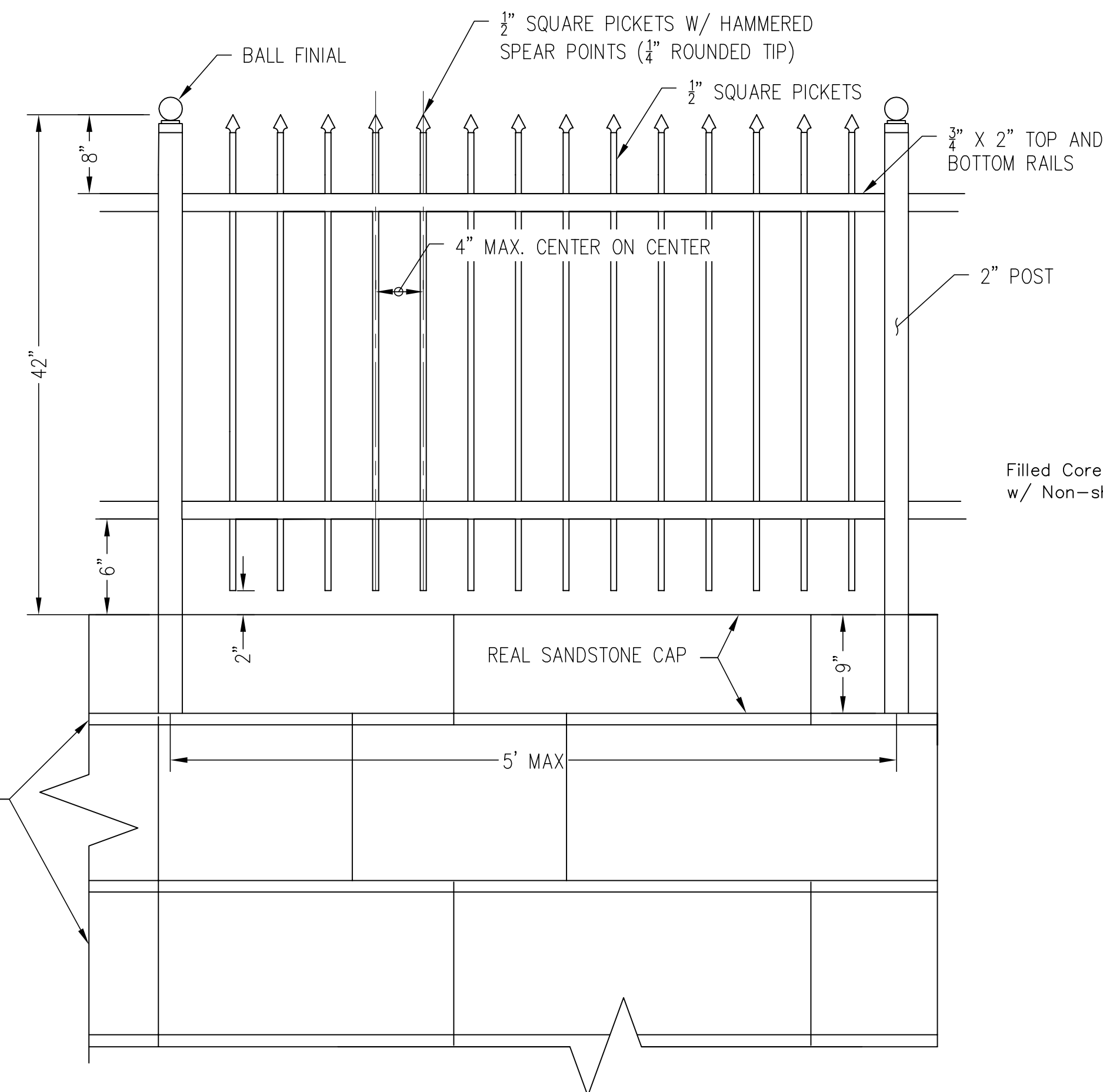


SECTION B-B NOT TO SCALE



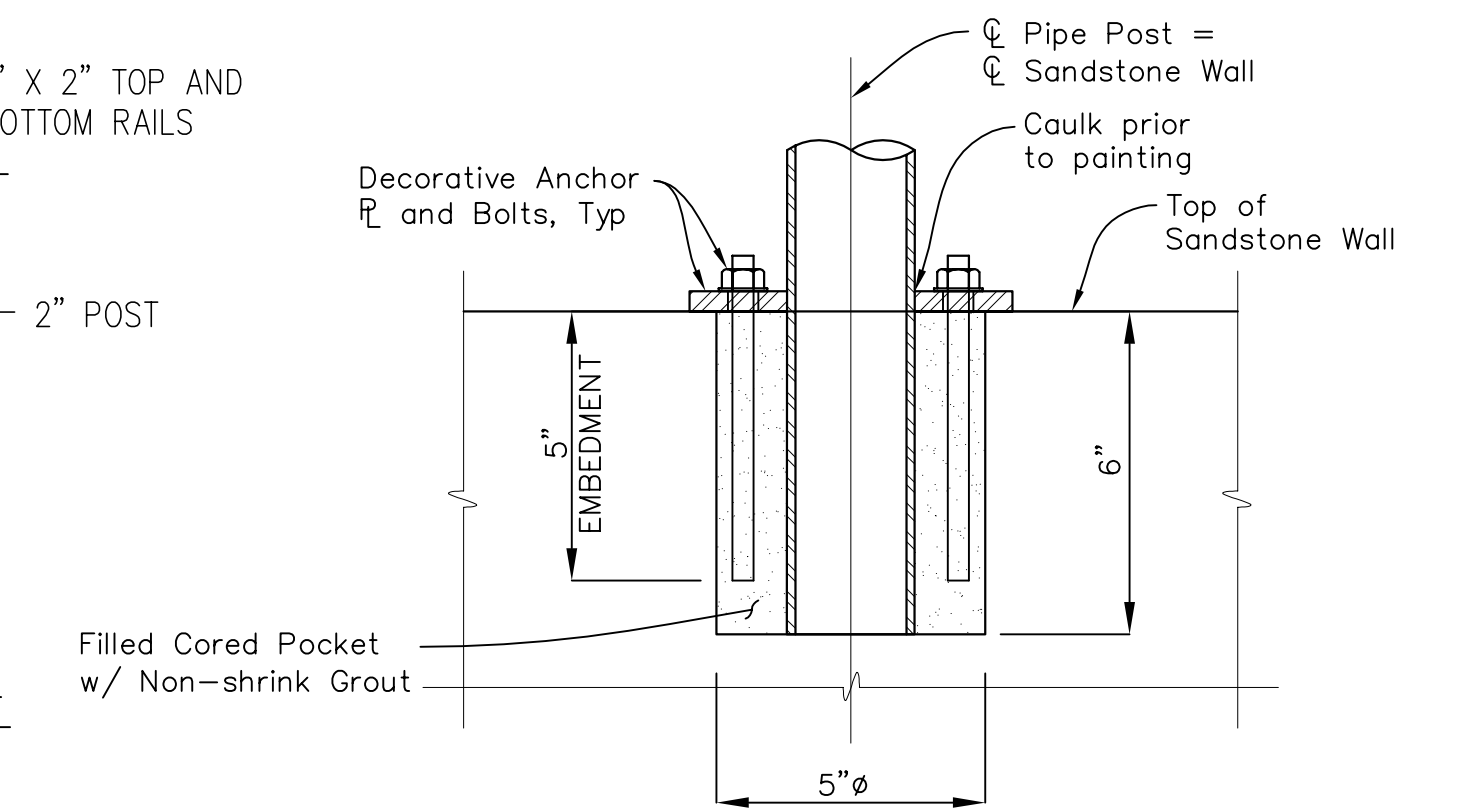
SECTION A-A NOT TO SCALE

TEXTURE USING THE
PATTERN ON DETAIL F,
SHEET FC17



ORNAMENTAL STEEL FENCE NOT TO SCALE

E
13

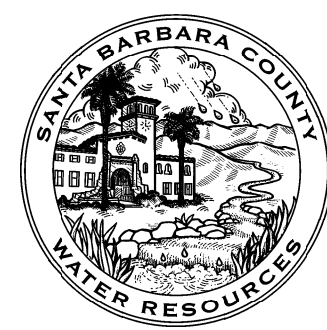


SECTION C-C NOT TO SCALE

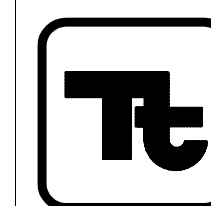
UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

REVISIONS

MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH
17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068
JUNE 15, 2016
DATE

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

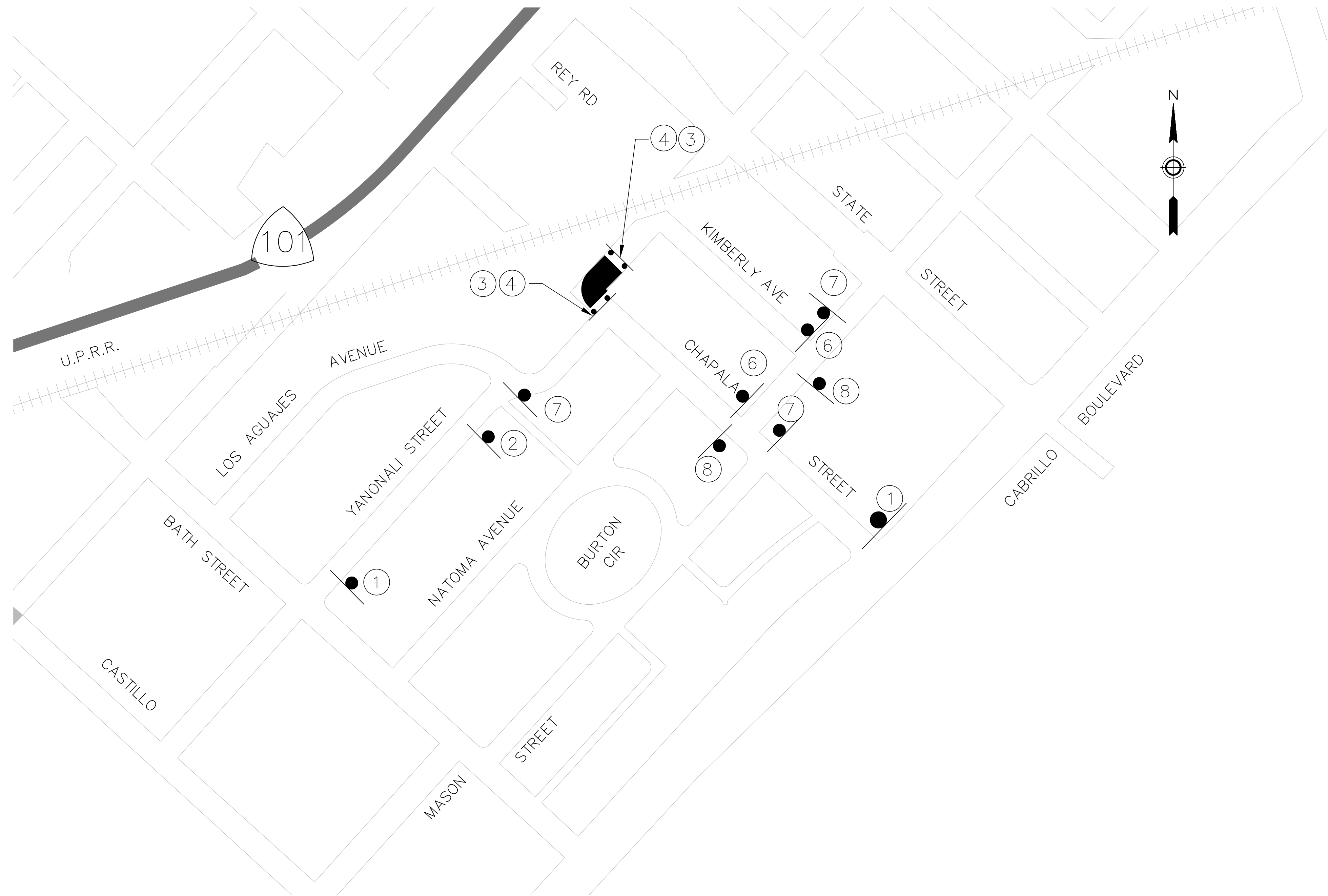
FENCING DETAILS

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME:
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER

FC13

SHEET 13 OF 18

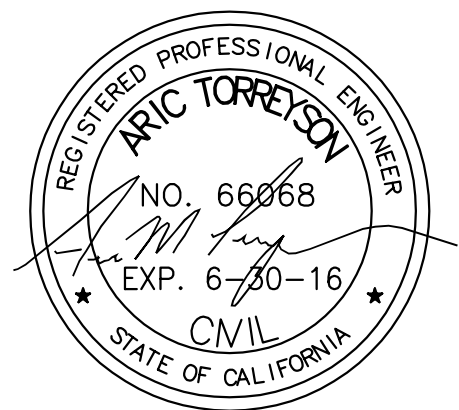


PLAN
NTS

CONSTRUCTION NOTES:

CONSTRUCTION AREA SIGNS		
SIGN #	SIGN CODE	DESCRIPTION
①	W20-1	ROAD WORK AHEAD
②	W20-3	ROAD CLOSED AHEAD
③	R11-2	ROAD CLOSED
④	-	PLACE TYPE III BARRICADE WITH SIGN, AS SHOWN (2 BARRICADES IN EACH LOCATION).
⑤	W20-3	ROAD CLOSED AHEAD
⑥	R11-3a	ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY
⑦	M4-10 AND GUIDE SIGN	DETOUR RIGHT AND "TO YOUTH HOSTEL"
⑧	M4-10 AND GUIDE SIGN	DETOUR LEFT AND "TO YOUTH HOSTEL"

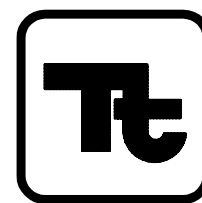
UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.



REVISIONS			
MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



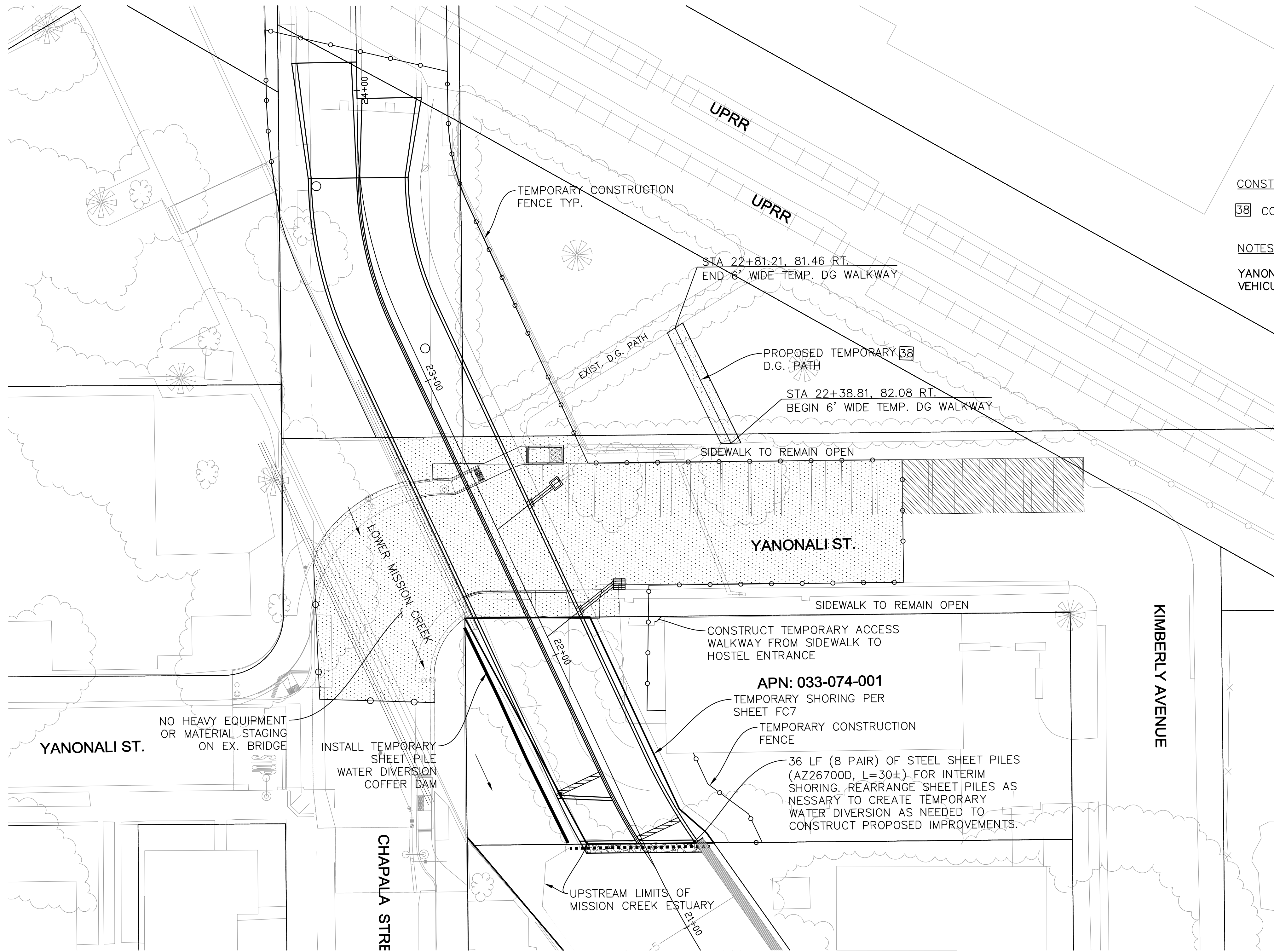
TETRA TECH
17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000
Aric M. Torreyson
ARIC M. TORREYSON R.C.E. 66068

JUNE 15, 2016
DATE

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT
CONSTRUCTION AREA SIGNS

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC010.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER
FC14
SHEET 14 OF 18



CONSTRUCTION NOTES

38 CONSTRUCT 6' WIDE TEMPORARY DG WALKWAY (12" THICK)

NOTES

YANONALI STREET MUST BE ACCESSIBLE TO THROUGH VEHICULAR TRAFFIC BY FEBRUARY 1, 2017.

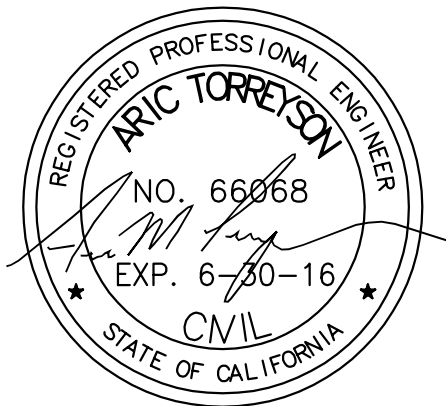
SCALE: 1" = 20'

UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

SHEET LEGEND

NO PARKING, 6 STALLS, TO BE CONTROLLED BY CONTRACTOR 24-7 FOR USE BY HOSTEL GUESTS (APN: 033-074-001) IF HOSTEL IS OPERATIONAL

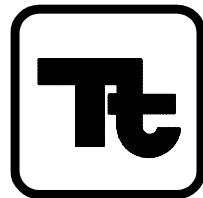
PUBLIC ROW OCCUPIED BY CONTRACTOR FOR CONSTRUCTION AND STAGING



REVISIONS			
MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440

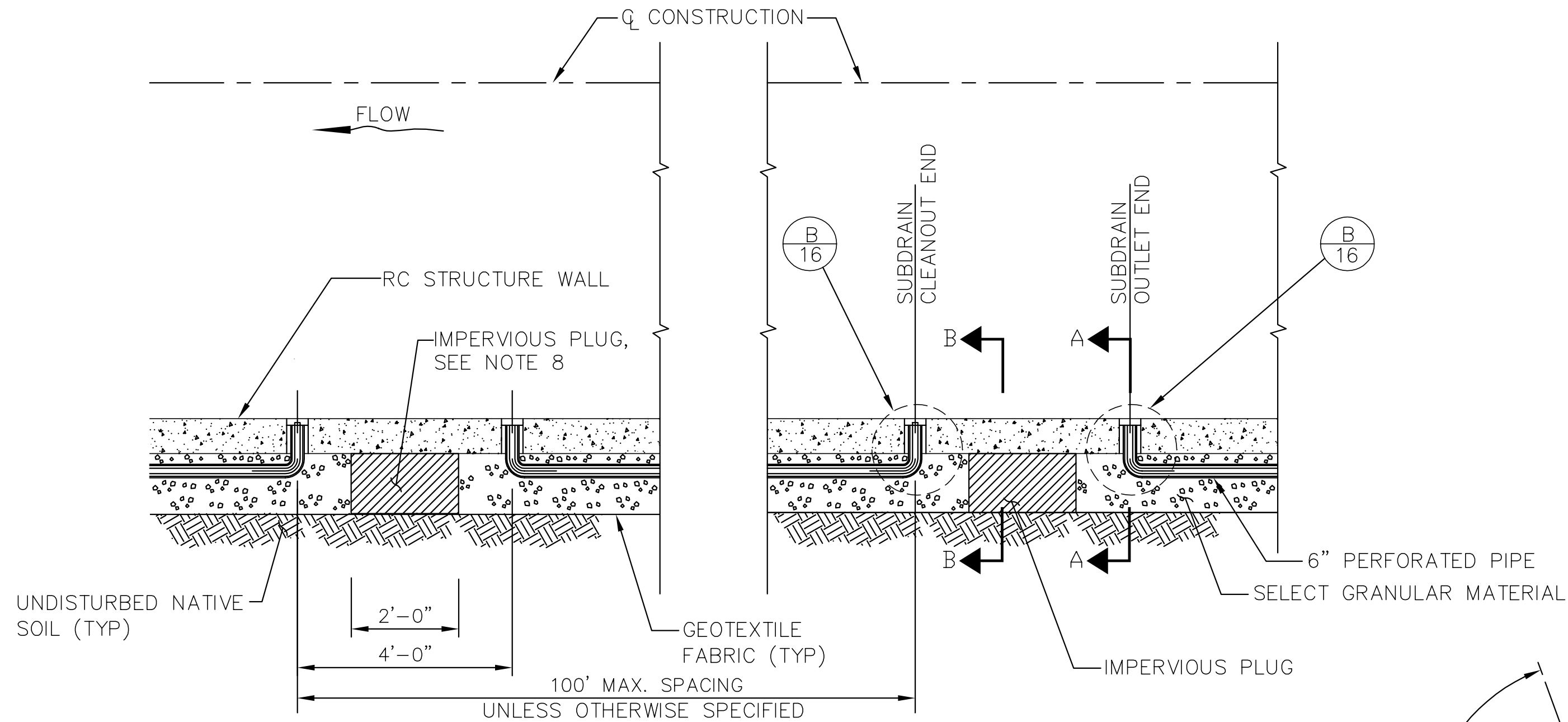


TETRA TECH
17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000
ARIC M. TORREYSON R.C.E. 66068
JUNE 15, 2016
DATE

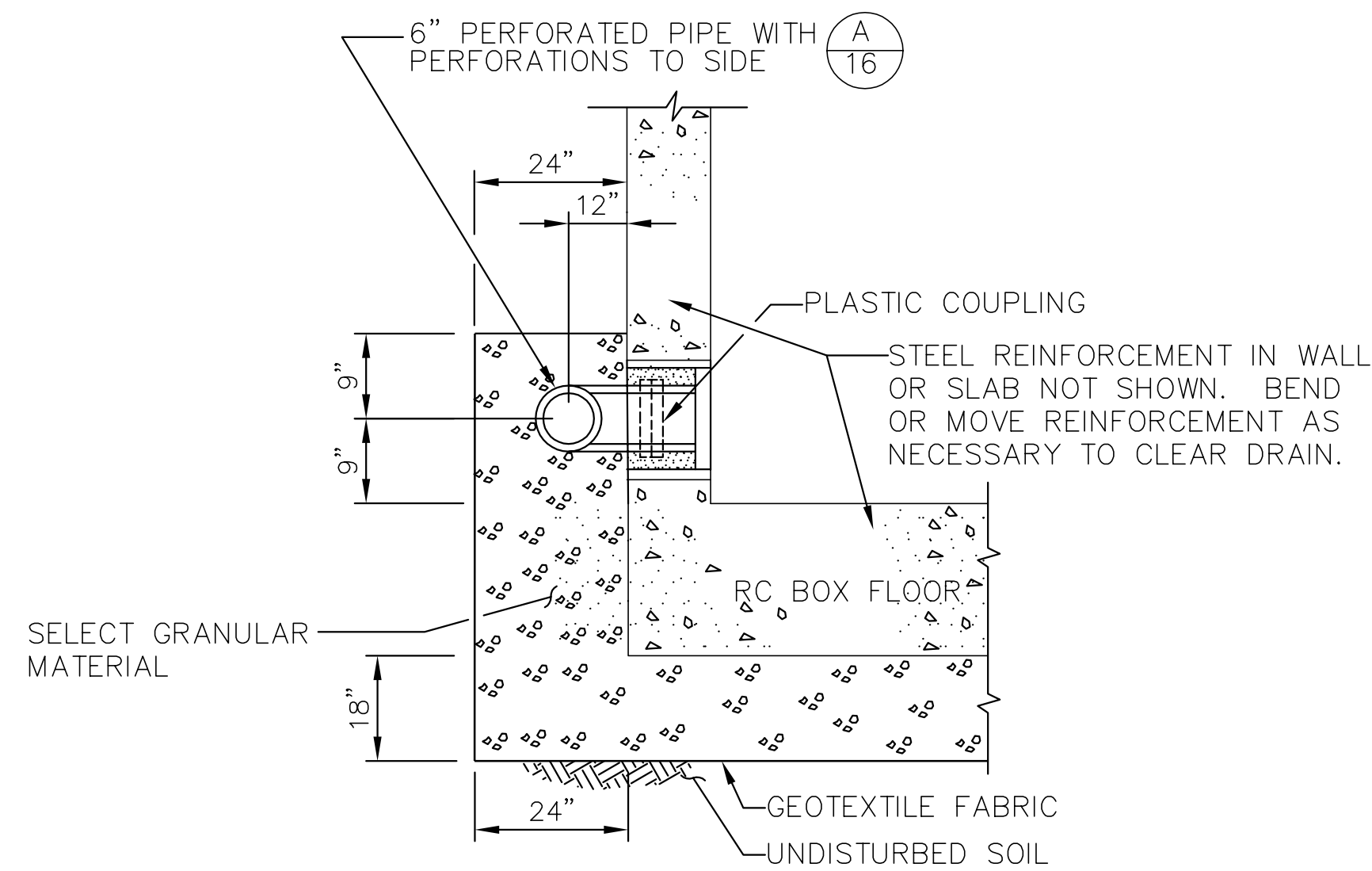
SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT
STAGING PLAN

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC002.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

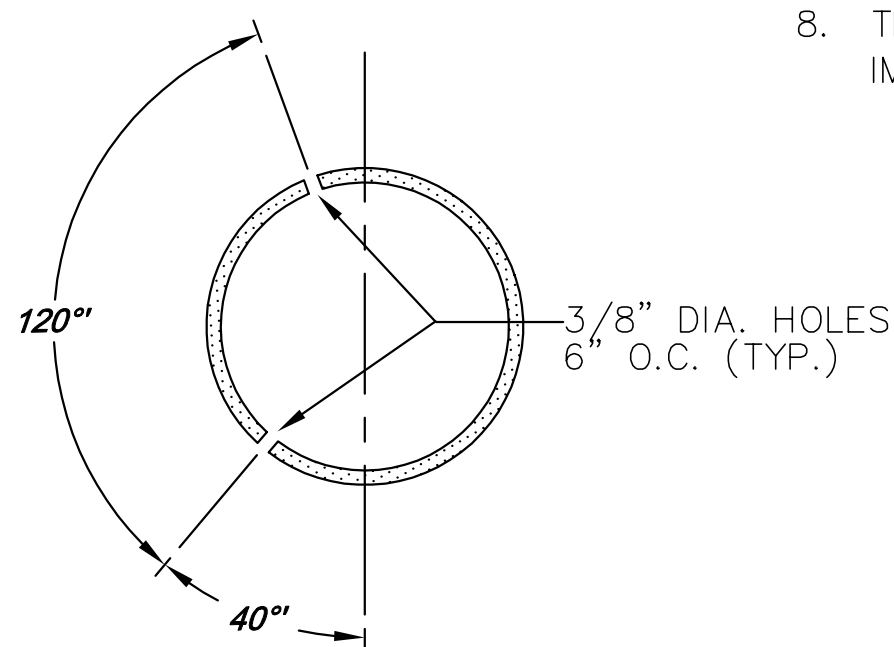
SHEET REFERENCE NUMBER
FC15
SHEET 15 OF 18



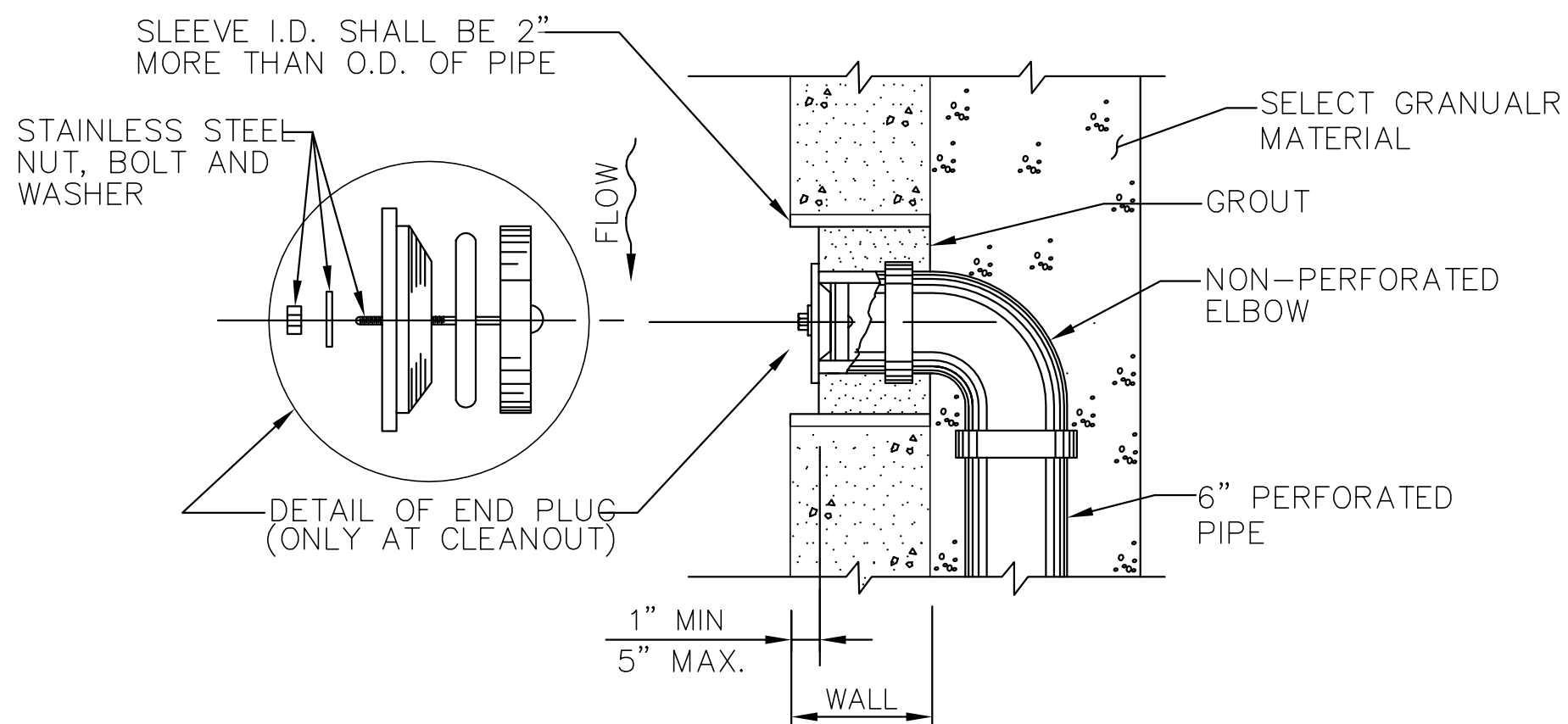
PLAN VIEW



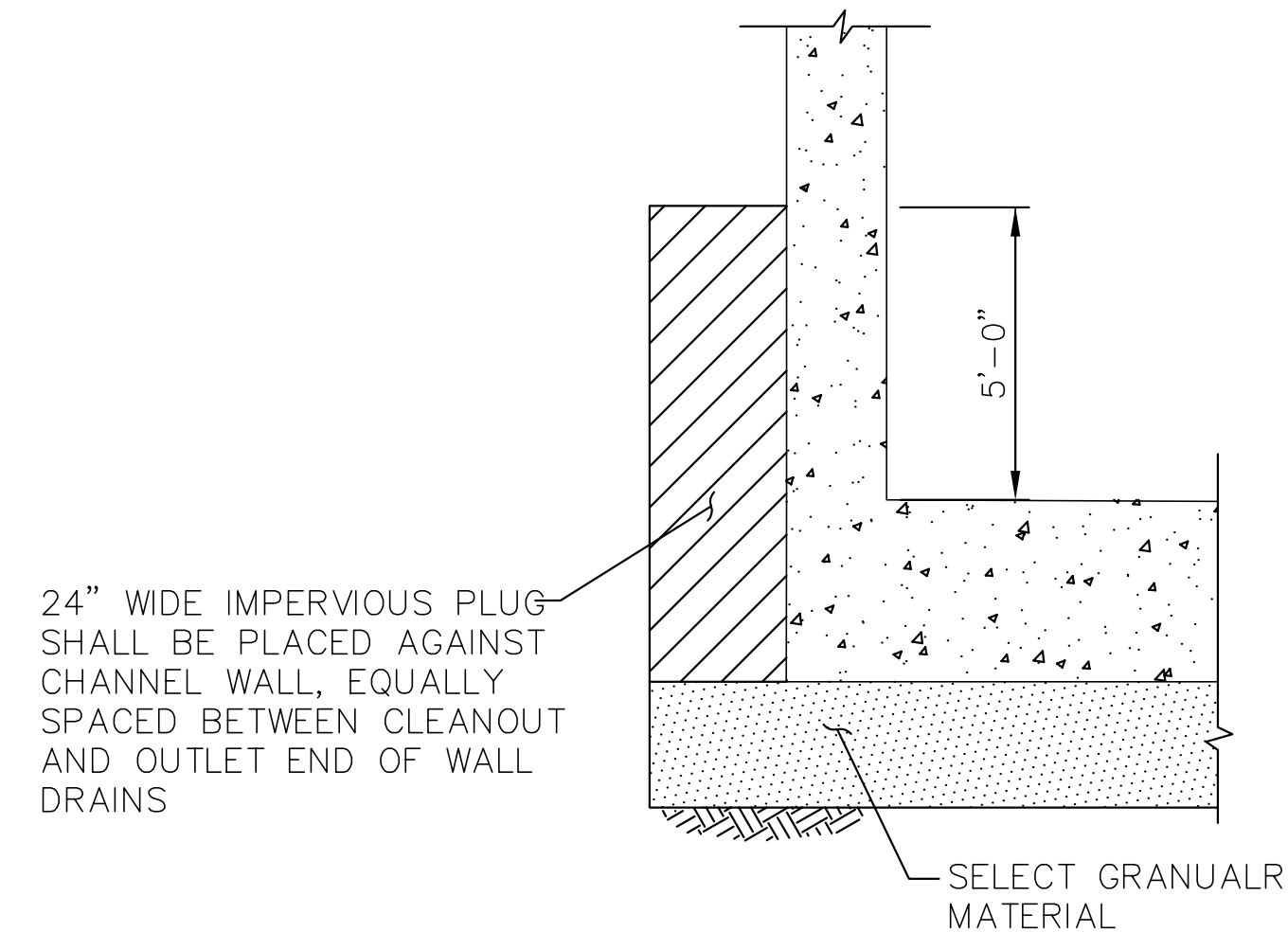
SECTION A-A



A
16 PERFORATED PIPE DETAIL
SCALE: NTS



B
16 CLEANOUT AND OUTLET END DETAIL
SCALE: NTS



SECTION B-B

NOTES FOR SUBDRAIN SYSTEM

- SUBDRAINS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS ALONG EACH WALL IN OPEN AND RC BOX REACHES.
 - NORTH RCB WALL BETWEEN STATION 22+07.08, 12.50' TO STATION 23+97.41, 19.65'.
 - SOUTH RCB WALL BETWEEN STATION 22+74.71, -18.50' TO STATION 24+09.33, -19.73'.
- SUBDRAIN CLEANOUT SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET UNLESS OTHERWISE SHOWN.
- ALL PIPE SHALL BE PERFORATED AND SHALL BE POLYVINYL CHLORIDE (PVC) PLASTIC (SCHEDULE 40). PIPE PERFORATIONS SHALL BE ON 120 DEGREE ARC AND FACE OUTWARD FROM THE WALL. (SEE DETAIL HEREON)
- SUBDRAIN OUTLETS AND CLEANOUT ENDS SHALL BE LOCATED A MINIMUM OF 2 FEET FROM TRANSVERSE CONSTRUCTION JOINTS.
- SUBDRAIN OUTLETS SHALL BE SET IN WALL AND NO PART OF IT SHALL PROTRUDE BEYOND THE INSIDE FACE OF CHANNEL WALL.
- UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL CLEAR ALL SUBDRAINS OF DIRT, RUBBLE, OR OTHER RESTRICTIONS THAT WOULD PROHIBIT FREE FLOW OF WATER THROUGH THE SUBDRAIN PIPE.
- FILTER AND DRAIN MATERIAL SHALL BE PLACED UP TO PIPE INVERT PRIOR TO INSTALLING PIPE.
- THE IMPERVIOUS PLUG SHALL CONSIST OF CALTRANS CLASS 3 CONCRETE. CONTINUOUS IMPERVIOUS PLUGS @ 1000'.

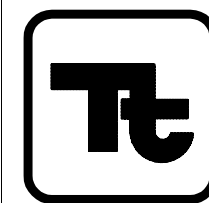
UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

REVISIONS

MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH

17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068

JUNE 15, 2016
DATE

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

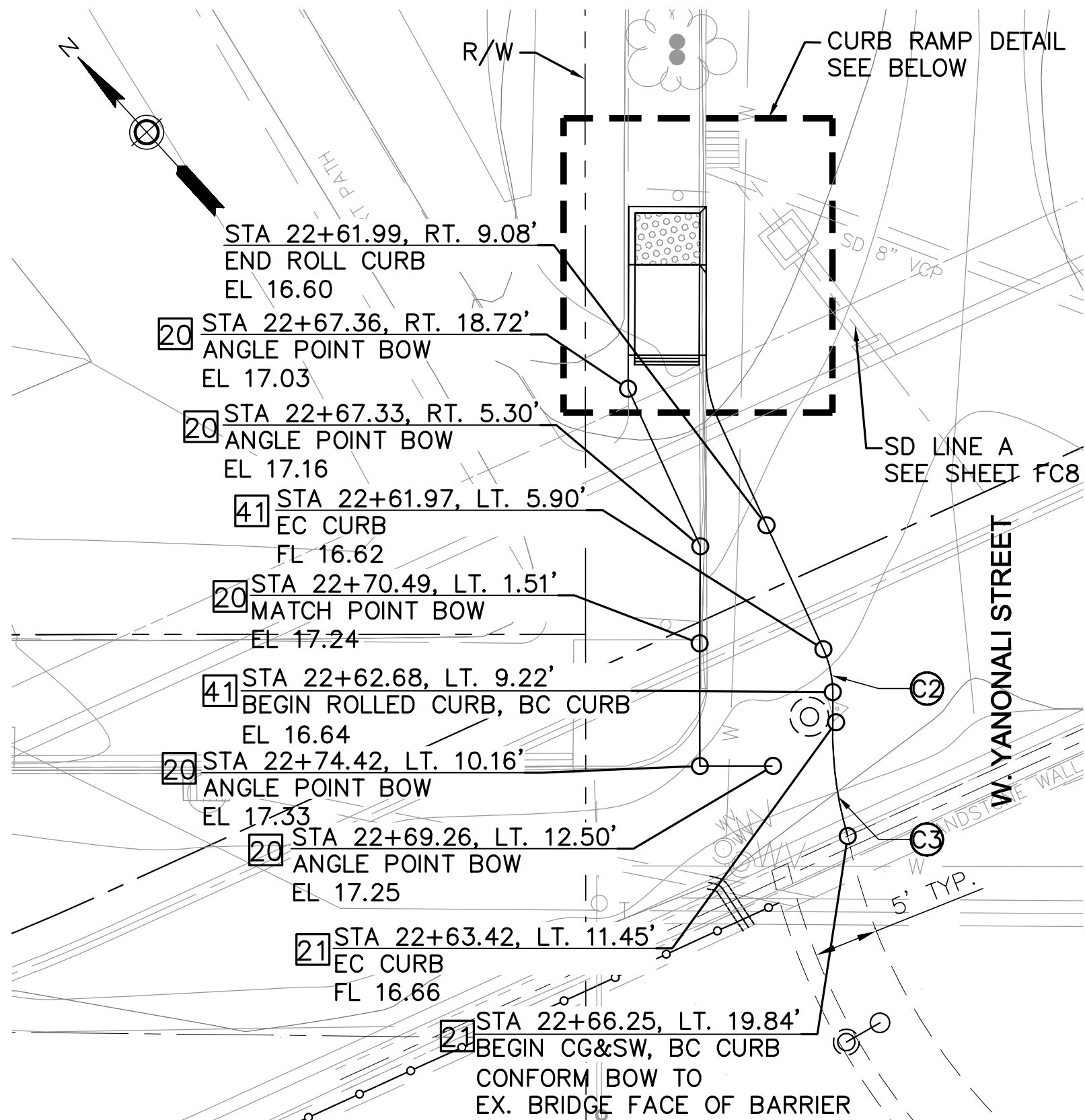
SUBDRAIN DETAILS

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME: T26034FC016.dwg
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

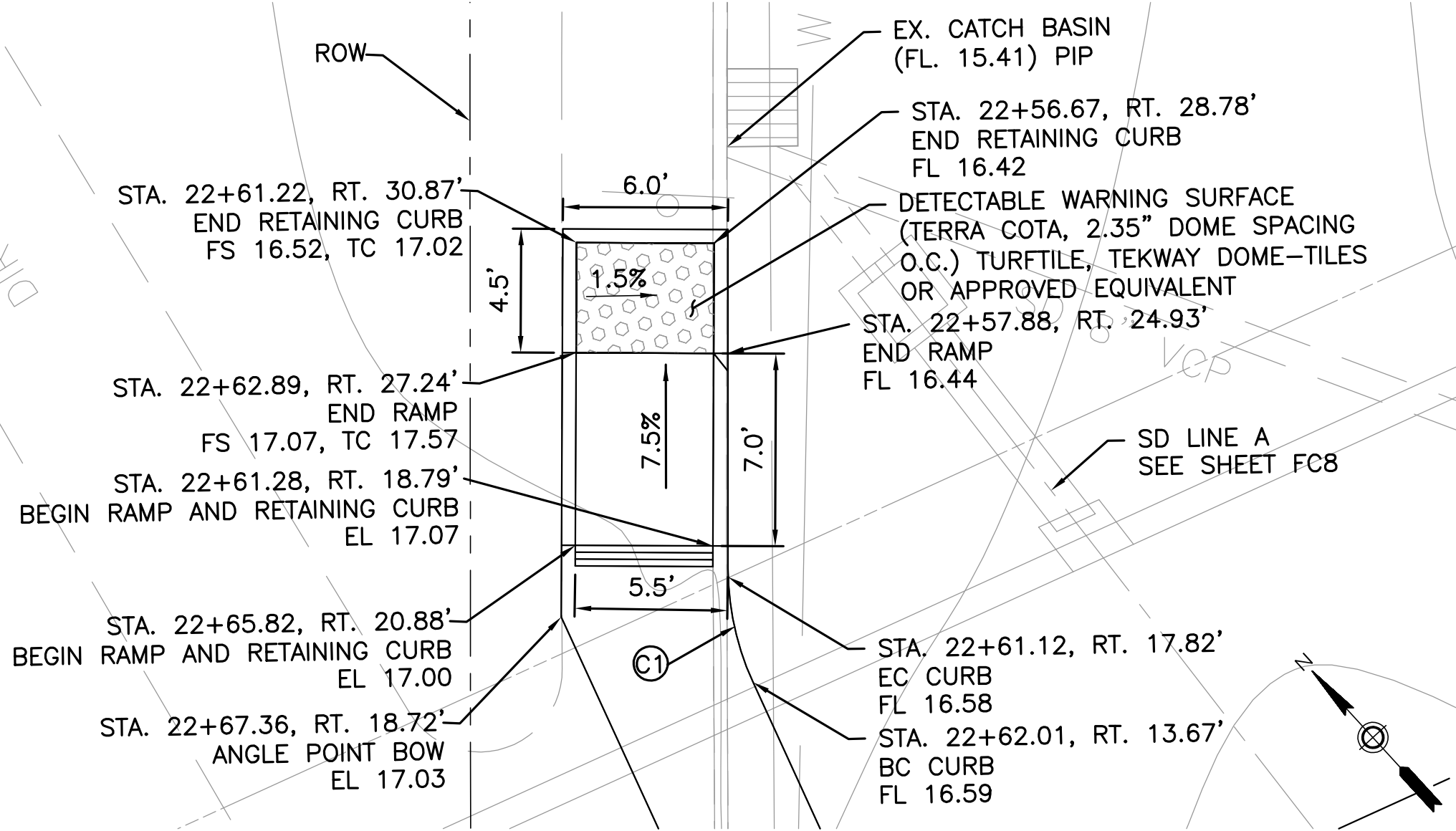
SHEET
REFERENCE
NUMBER

FC16

SHEET 16 OF 18



NW SIDEWALK DETAIL
SCALE 1"=10'



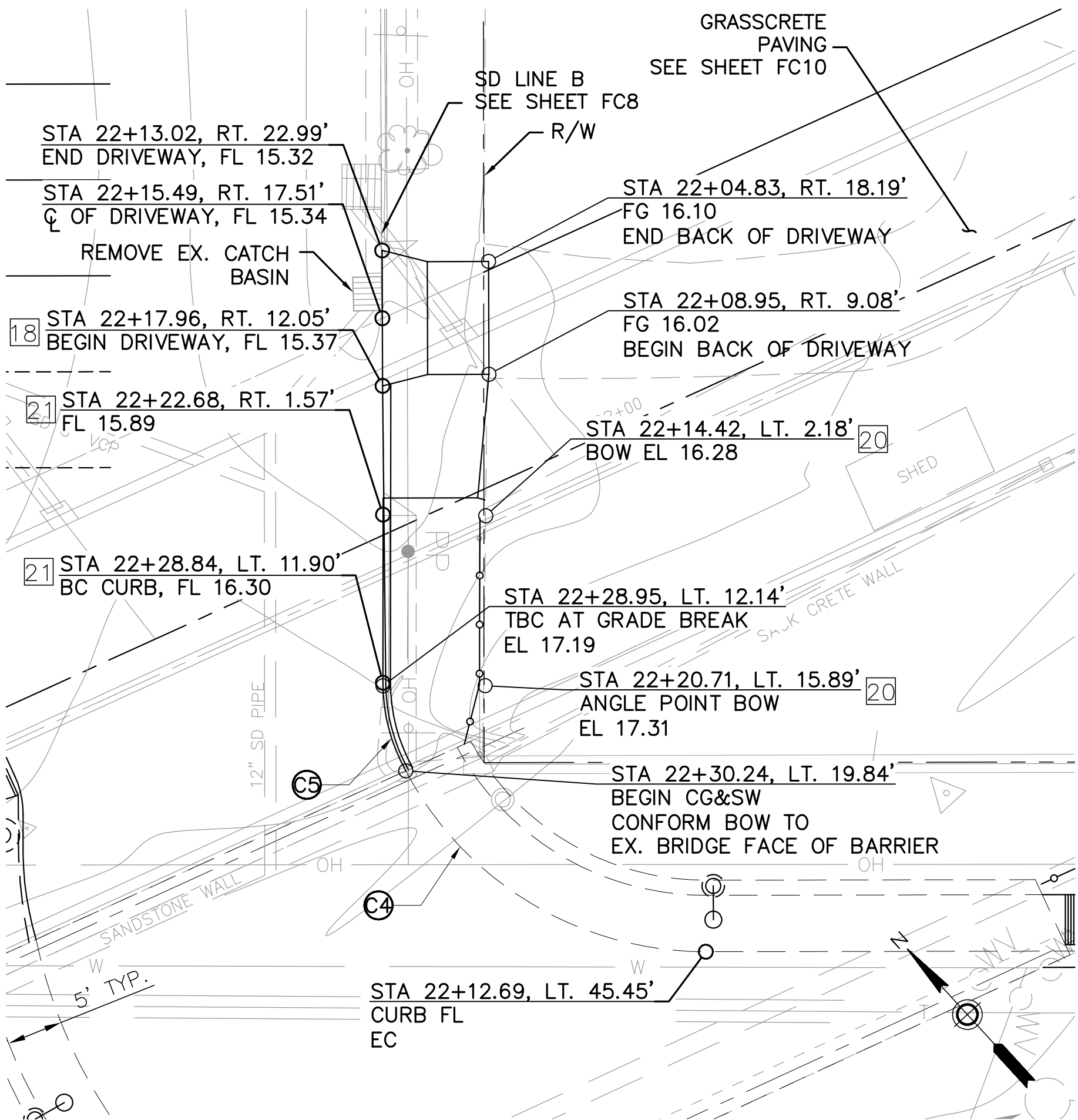
CURB RAMP DETAIL
SCALE 1"=5'

CURB FLOW LINE CURVE DATA				
CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
(C1)	10.00	4.28	2.17	24°32'10"
(C2)	8.00	3.43	1.74	24°32'10"
(C3)	44.25	8.98	4.50	18°01'11"
(C4)	30.00	32.73	18.21	62°30'37"
(C5)	15.98	8.06	4.12	28°53'57"

CONSTRUCTION NOTES

- [18] CONSTRUCT COMMERCIAL DRIVEWAY PER CITY OF SANTA BARBARA STD DETAIL H-03.1
- [20] CONSTRUCT CONCRETE SIDEWALK PER CITY OF SANTA BARBARA STD DETAIL H-06.0 AND H-06.1
- [21] CONSTRUCT 18" CONC. CURB AND GUTTER WITH A 6" CURB PER CITY OF SANTA BARBARA STD DETAIL H-03.1
- [41] CONSTRUCT 30" ROLLED CURB AND GUTTER PER CITY OF SANTA BARBARA STANDARD DETAIL H-02.1.

AC ROADWAY NOTE: YANONALI STREET SECTION TO BE 6" AC OVER 12" OF AB. MATCH ROADWAY CROWNS.



NE SIDEWALK DETAIL
SCALE 1"=10'

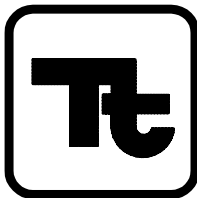
NOTE: CONTRACTOR TO VERIFY EXISTING AND PROPOSED ELEVATIONS PRIOR TO CONSTRUCTION OF STREET IMPROVEMENTS. IF THERE ARE ANY DISCREPANCIES CONTRACTOR TO REPORT CONFLICT TO THE ENGINEER FOR RESOLUTION.

UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

REVISIONS			
MARK	DESCRIPTION	DATE	APPR.



SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
123 E. ANAPAMU STREET
SANTA BARBARA, CA 93101
805.568.3440



TETRA TECH

17885 VON KARMAN AVENUE, SUITE 500
IRVINE, CA 92614 (949) 809-5000

ARIC M. TORREYSON R.C.E. 66068

JUNE 15, 2016
DATE

SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

LOWER MISSION CREEK FLOOD CONTROL PROJECT
REACH 2A - BYPASS CULVERT

STREET IMPROVEMENT DETAILS

DATE: JUNE 2016
SCALE: AS SHOWN
FILE NAME:
DESIGNED BY: AG
DRAWN BY: AG
CHECKED BY: YHC

SHEET
REFERENCE
NUMBER

FC18

SHEET 18 OF 18

