

SECTION G

PROJECT PLANS

COUNTY SERVICE AREA (CSA) 18 CEDARPINES ROADS PROJECT

ON

ALL ROADS ON TOWER HEIGHTS RD, ELLIOT RD, COLD SPRINGS RD, AND BUCKTHORNE DR

FOR

COUNTY SERVICE AREA (CSA) 18 CRESTLINE, CALIFORNIA

PROJECT NO. 30.30.0127



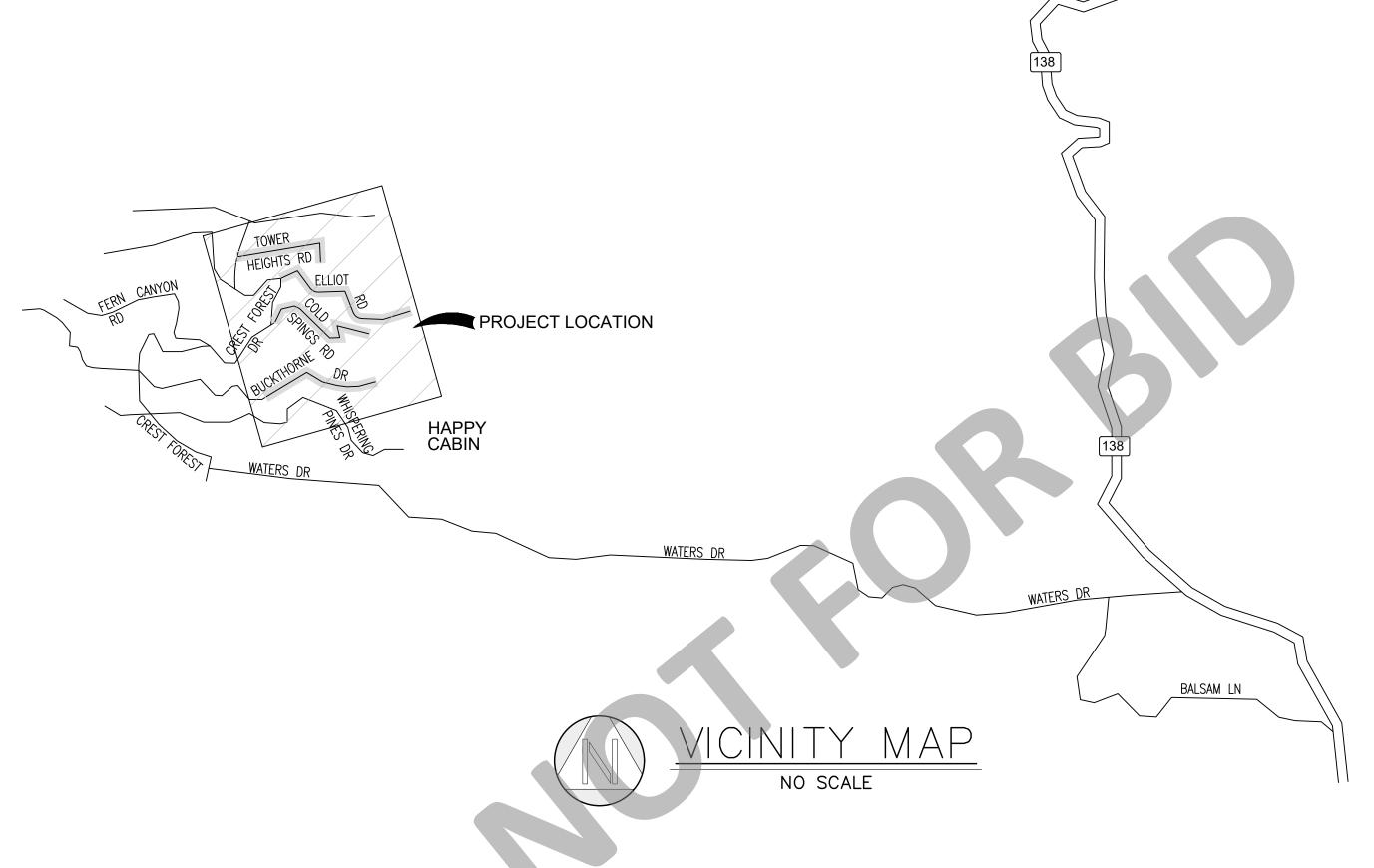
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS SPECIAL DISTRICTS

COUNTY SERVICE AREA CSA-18, CEDAR PINES

DRAWINGS FOR CONSTRUCTION OF: TOWER HEIGHTS RD, ELLIOT RD, COLD SPRINGS RD, AND BUCKTHORNE DR PAVEMENT REHABILITATION PROJECT

DRAWINGS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATION IS MADE SPECIAL DISTRICTS DEPARTMENT. APPROVAL OF THIS PLAN BY THE SPECIAL DISTRICTS EXPOSE UTILITIES WHERE POTENTIAL CONFLICTS EXIST PRIOR TO EXCAVATION, GRADING OR TRENCHING TO VERIFY EXACT LOCATIONS, ELEVATIONS AND DIMENSIONS IN THE FIELD. IT SHALL STRUCTURES CONCERNED BEFORE STARTING WORK.

- INDICATES EXISTING CONTOUR — – INDICATES BOUNDARY LINE — – INDICATES BOUNDARY LINE → · · · · · · · · · · · · · · · · · INDICATES FLOW LINE - INDICATES EXISTING CHAIN LINK FENCE - INDICATES ASSESSOR'S PARCEL NUMBER STA. INDICATES STATION C/L INDICATES CENTERLINE P/L - INDICATES PROPERTY LINE (E) INDICATES EXISTING - INDICATES PROPOSED (P) B.C. INDICATES BEGIN CURVE E.C. - INDICATES END CURVE B.C.C. - INDICATES BEGIN COMPOUND CURVE B.R.C. INDICATES BEGIN REVERSE CURVE INDICATES LENGTH - INDICATES RADIUS INDICATES DELTA INDICATES TYPICAL DRIVE INDICATES DRIVEWAY A.C. INDICATES ASPHALT PAVEMENT STD. INDICATES STANDARD C.S.D. INDICATES COMMUNITY SERVICE DEPARTMENT AGG. INDICATES AGGREGATE A.C. INDICATES ASPHALT CONCRETE FS INDICATES FINISH SURFACE EXIST. - INDICATES EXISTING INDICATES POWER POLE INDICATES SPIKE AND WASHER INDICATES WATER METER INDICATES REDWOOD INDICATES WATER RISE PEDESTAL



BASIS OF BEARING:

THE BEARINGS SHOWN HEREON ARE BASED THE "CENTERLINE" OF LOT "A" RUNNING ADJACENT TO THE EASTERLY LINE OF LOT 167, AS DEPICTED ON TRACT NO. 1940, MAP OF SKYLAND SUBDIVISION #2, BK. 28, PG. 11.

BEARING BEING N 26°22'00" E

BENCHMARK:

BENCHMARK 72-19-25A

DESCRIPTION: FD. BRASS DISK STAMPED 72-19-25A, IN BOULDER 25 FEET S.W. OF S.E. COR OF CRESTLINE / LAKE ARROWHEAD WATER AGENCY BLDG., 10 FEET SOUTH OF SOUTH WALL OF BLDG, 100 FEET NORTH OF C.L. CREST FOREST DRIVE.

ELEVATION: 5185.643' (NGVD29)

LIST OF DRAWINGS:

TITLE SHEET -	 SHEET 1
SECTION AND DETAILS -	- SHEET 2
TOWER HEIGHTS RD PLAN AND PROFILE	 SHEETS 3
ELLIOT RD PLAN AND PROFILE	SHEETS 4
COLD SPRINGS RD PLAN AND PROFILE	 SHEETS 5
BUCKTHORNE DR PLAN AND PROFILE	 SHEETS 6

GENERAL NOTES:

- 1. ALL FEDERAL, STATE OF CALIFORNIA AND LOCAL REGULATIONS APPLICABLE TO PUBLIC WORKS PROJECTS SHALL BE IN EFFECT.
- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE JOB SITE AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL AT HIS OWN EXPENSE DAMAGE TO ANY UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY UNDERGROUND
- WHERE SURVEY MONUMENTS EXIST, SUCH MONUMENTS SHALL BE PROTECTED OR SHALL BE REFERENCED AND RESET PURSUANT TO BUSINESS AND PROFESSIONS CODE, SECTIONS 8700
- 4. CONTRACTOR SHALL NOTIFY SPECIAL DISTRICT DEPARTMENT AT (909) 386-8800 TO COORDINATE INSPECTION AT LEAST 48 HOURS PRIOR TO STARTING ANY WORK. WORK PERFORMED WITHOUT CALLING FOR INSPECTION SHALL BE REJECTED AND MAY BE REQUIRED
- 6. EXISTING PAVING, LAWN, SHRUBS, FENCES, ROCK GARDENS, IRRIGATION SYSTEMS, SIGNS, MAILBOXES, AND OTHER IMPROVEMENTS DAMAGED AND/OR REMOVED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF INSPECTOR AND AT NO ADDITIONAL COST TO THE DISTRICT
- 7. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS. A PERMIT SHALL BE OBTAINED FROM THE SAN BERNARDINO COUNTY TRANSPORTATION DEPARTMENT PRIOR TO ANY WORK

ENGINEER'S NOTES:

- 1. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE
- 2. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS
- 3. QUANTITIES SHOWN HEREON ARE PROVIDED FOR BIDDING PURPOSES ONLY. CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES PRIOR TO BIDDING FOR
- 4. STREET CENTERLINES SHOWN HEREON ARE BASED ON CENTER OF EXISTING PAVEMENT, NOT PER RECORDS DRAWINGS, MONUMENTS OR EXISTING RIGHT OF WAYS. CENTERLINES ARE FOR DESIGN REFERENCE ONLY.

COI	NSTRUCTION NOTES	QUANTITIES
1	SAWCUT AND JOIN PAVEMENT PER DETAIL ON SHEET 2.	140 SF
2	PULVERIZE, SHAPE AND COMPACT EXISTING PAVEMENT TO 95% MAX COMPACTION.	49,387 SF
3	CONSTRUCT 3" A.C. PAVEMENT PER TYPICAL SECTIONS ON SHEET 2.	59,378 SF
4	GRADE, SHAPE AND COMPACT SUBGRADE OF ROAD	-9,991 SF 59,378 S I
5	FEATHER OVERLAY AT ALL DRIVEWAYS AND ROADSIDE PARKING AREAS PER DETAIL ON SHEET 2.	15 EA
6	ADJUST EDGE OF AC ROADWAY AS NECCESSARY TO PROTECT EXISTING RETAINING WALL.	
98	RESET EXIST. MONUMENT AFTER CONSTRUCTION.	
99	PROTECT IN PLACE, ITEM PER PLAN.	74 EA
ONLY,	QUANTITIES SHOWN HEREON ARE ESTIMATES CONTRACTOR TO DO THEIR OWN TAKE OFF	

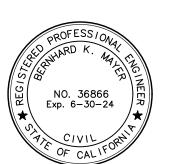
Underground Service Alert | NOTE:



THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE DATE: ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE DATE:_ PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION | CHECKED BY: AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

 INDICATES REFLECTOR PADDLE - INDICATES METAL POST

> 10/06/2023 10/06/2023 B.K.M. 10/06/2023

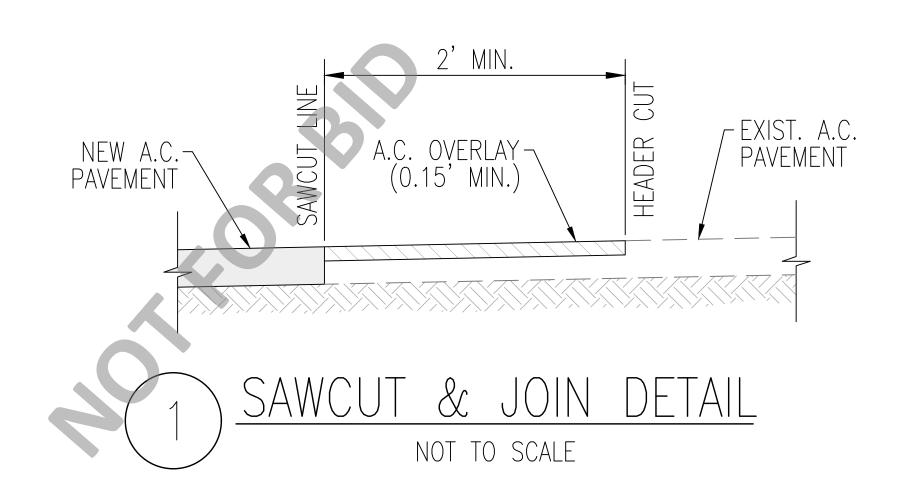


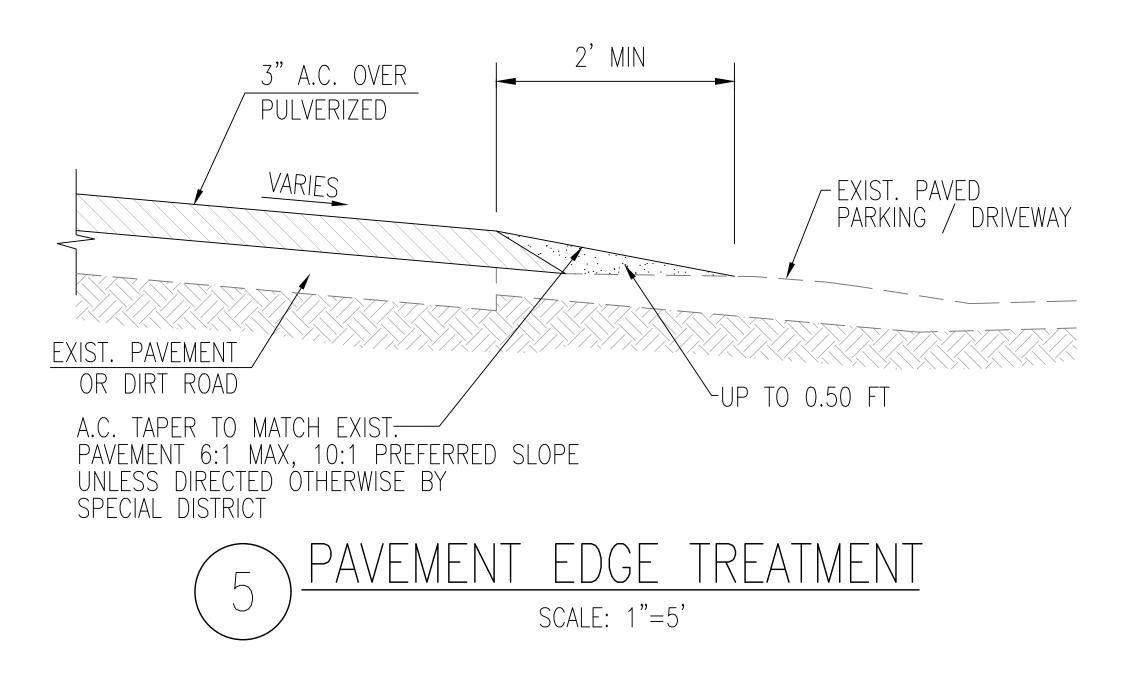
PROFESS/ONLY/ SHARD K. May Fry	3	SITETECH
NO. 36866 Exp. 6-30-24	8061 CHURCH ST. HIGHLA PH: (909) 864-3180	AND CA 92346 PO BO), FAX: (909) 864-0850
OF CALIFORNIA	Blay	10/06,
	BERNHARD K. MAYER	R.C.E. 36866 DAT

4 INC.		
BOX 592 0850		
/06/2023		
DATE	MARK	

			COUNTY OF SAN BERNARDINO PUBLIC WORKS COUNTY SERVICE AREA		COUNTY SERVICE AREA CSA 18 CEDAR PINES, CALIFORNIA	W.O. NO.:
			APPROVED BY:			ROAD NO.:
			SPECIAL DISTRICTS	DATE	TITLE SHEET	DWG NO.:
					SCALE:	
(REVISIONS	APPR. DATE	COUNTY SERVICE AREA R-50	DATE	HORIZ: AS SHOWN VERT: AS SHOWN	SHEET 1 OF 6

PRIOR TO CONSTRUCTION.





DESIGNED BY:__

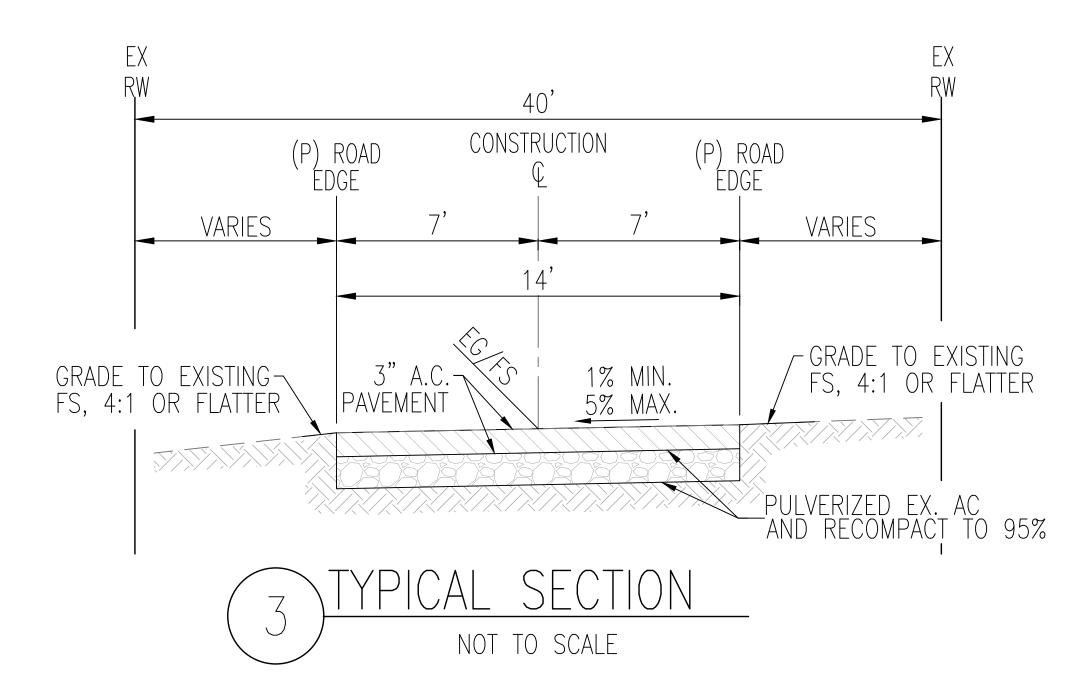
DRAWN BY:_

10/06/2023

B.K.M.

10/06/2023

10/06/2023



POPOSED AC PAVED ROADWAY SHALL BE CONSTRUCTED TO ENSURE NO ADVERSE DRAINAGE IMPACT TO THE ADJACENT PROPERTY OWNERS
THE CROSS—SECTION OF THE ROAD CAN BE REVISED AS NEEDED TO MATCH EXISTING
ROAD CONDITIONS AND DRAINAGE PATTERNS.

CONSTRUCTION NOTES

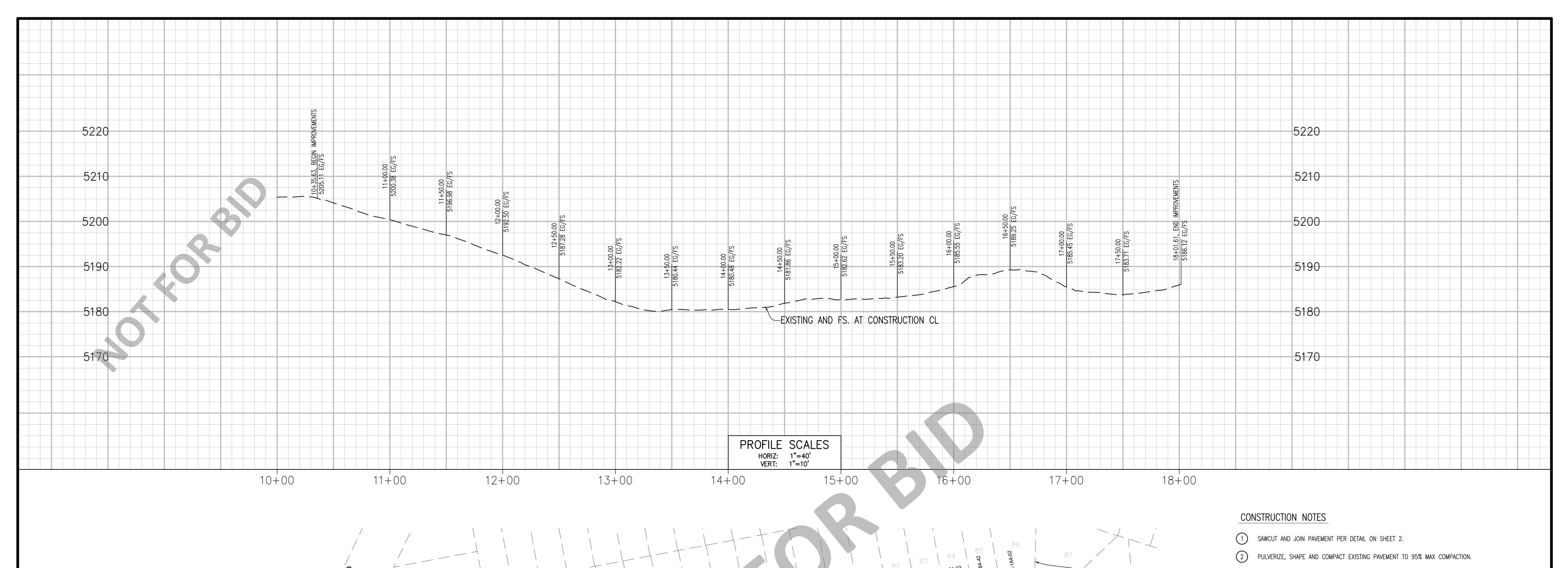
- (1) SAWCUT AND JOIN PAVEMENT PER DETAIL ON THIS SHEET.
- CONSTRUCT 3" A.C. PAVEMENT PER TYPICAL SECTIONS ON THIS SHEET.
- FEATHER OVERLAY AT ALL DRIVEWAYS AND ROADSIDE PARKING AREAS PER DETAIL ON THIS SHEET.

Underground Service Alert NOTE:

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE DATE:_ ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF
DISCREPANCIES ARISING AFTER COUNTY
APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE
FOR DETERMINING AN ACCEPTABLE SOLUTION
AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

PROFESSIONAL PROFE		SITETE	CH INC.
NO. 36866 Exp. 6-30-24	8061 CHURCH ST. HI PH: (909) 864-	GHLAND CA 92346 3180, FAX: (909) 8	PO BOX 592 64-0850
AVE OF CALIFORN	Blay		10/06/2023
	BERNHARD K. MAYER	R.C.E. 36866	DATE

				COUNTY OF SAN BERNARDINO PUBLIC WORKS — SPECIAL DISTRICTS COUNTY SERVICE AREA CSA 18	COUNTY SERVICE AREA CSA 18 CEDAR PINES, CALIFORNIA	W.O. NO.:
				APPROVED BY:	SECTIONS AND DETAILS	ROAD NO.:
				SPECIAL DISTRICTS DATE		DWG NO.:
ARK	REVISIONS	APPR.	. DATE	COUNTY SERVICE AREA R-50 DATE	SCALE: HORIZ: AS SHOWN VERT: AS SHOWN	SHEET 2 OF 6



Line Table					
Line #	Length	Direction			
L1	437.758	N78° 02' 23.43"E			
L2	174.134	N82° 59' 32.27"E			
L3	95.220	N01° 45′ 13.53"W			

Curve Table						
Curve #	Length	Radius	Delta			
C1	26.633	100.000	015.2594			
C2	17.989	100.000	010.3069			
C3	49.875	30.000	095.2539			





- 3) CONSTRUCT 3" A.C. PAVEMENT PER TYPICAL SECTIONS ON SHEET 2.
- 4) GRADE, SHAPE AND COMPACT SUBGRADE OF ROAD
- 5 FEATHER OVERLAY AT ALL DRIVEWAYS AND ROADSIDE PARKING AREAS PER DETAIL ON SHEET 2.
- 6 ADJUST EDGE OF AC ROADWAY AS NECCESSARY TO PROTECT EXISTING RETAINING WALL.
- 98) RESET EXIST. MONUMENT AFTER CONSTRUCTION.

99) PROTECT IN PLACE, ITEM PER PLAN.

UTILITY NOTE:

EC: 17+06.39

STA: 18+01.61 -

APN 0342-186-16

REVISIONS

APN 0342-184-02-02

WATER VALVES AND SEWER MANHOLES LOCATED WITHIN THE PROJECT AREA MAY BE BURIED BENEATH THE EXISTING GRADE. CONTRACTOR SHPULD BE AWARE THAT THE EXACT LOCATION OF WATER VALVES AND SEWER MANHOLES MAY VARY FROM THE LOCATION SHOWN ON THE SUBJECT PLAN. THERE ALSO MAY BE ADDITIONAL WATER VALVES OR SEWER MANHOLES LOCATED WITHIN THE PROJECT AREA. CONTRACTOR SHOULD LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHOULD ADJUST ALL UTILITIES IN THE PROJECT AREA TO THE FINISH GRADE.

TOWER HEIGHTS RD

MARK

Underground Service Alert NOTE:

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DESIGNED BY:_	A.M.	
DATE:	10/06/2023	
DRAWN BY:	A.M.	
DATE:	10/06/2023	
CHECKED BY:_	B.K.M.	
DATE:	10/06/2023	

CREST



OFESSIONAL RD K. My CL		SITE TE	CH INC
0. 36866 6. 6-30-24	8061 CHURCH ST. HI PH: (909) 864-	GHLAND CA 92346 3180, FAX: (909)	PO BOX 592 864-0850
CIVIL PRINT	BERNHARD K. MAYER	R.C.E. 36866	10/06/2023 DATE
	BERRY JAKO K. JAKTEK	N.O.L. 30000	DATE

		COUNTY OF SAN BERNARDINO PUBLIC WORKS COUNTY SERVICE AREA		COUNTY SERVICE AREA CSA 18 W.O. NO.: CEDAR PINES, CALIFORNIA
		APPROVED BY:		TOWER HEIGHTS RD ROAD NO.:
		SPECIAL DISTRICTS	DATE	PLAN AND PROFILE DWG NO.:
		_		SCALE:
APF	R. DATE	COUNTY SERVICE AREA R-50	DATE	horiz: as shown vert: as shown sheet 3 of 6

