IMPROVEMENT PLANS FOR

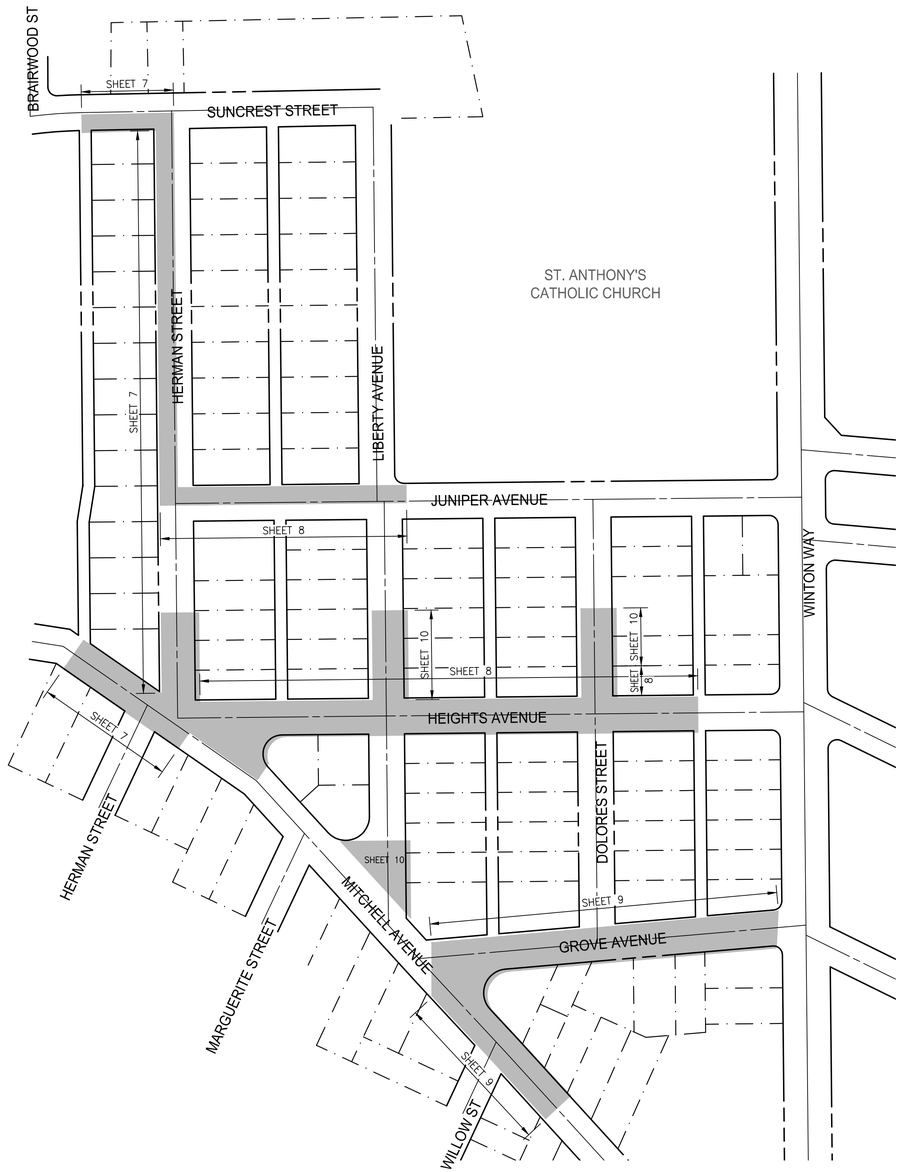
CITY OF ATWATER

AILEEN COLBURN PEDESTRIAN IMPROVEMENTS PROJECT - PHASE II

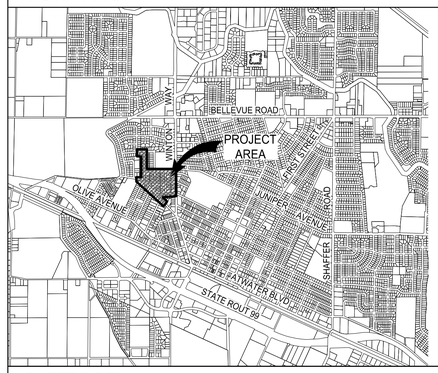
RFB NUMBER - 691-20

CITY PROJECT NUMBER - 17-1

FEDERAL PROJECT NUMBER - CML-5254 (028)



VICINITY MAP



SHEET INDEX

1	COVER SHEET
2	GENERAL NOTES AND SPECIFICATIONS
3	DEMOLITION PLAN HERMAN STREET & SUNCREST STREET
4	DEMOLITION PLAN JUNIPER AVENUE & HEIGHTS AVENUE
5	DEMOLITION PLAN GROVE AVENUE & MITCHELL AVENUE
6	DEMOLITION PLAN LIBERTY AVENUE & DOLORES STREET
7	CONSTRUCTION PLAN HERMAN STREET & SUNCREST STREET
8	CONSTRUCTION PLAN JUNIPER AVENUE & HEIGHTS AVENUE
9	CONSTRUCTION PLAN GROVE AVENUE & MITCHELL AVENUE
10	CONSTRUCTION PLAN LIBERTY AVENUE & DOLORES STREET
11	CONSTRUCTION DETAILS
12	CONSTRUCTION DETAILS
13	CONSTRUCTION DETAILS

BENCHMARK

ELEVATIONS IN THIS DRAWING ARE BASED ON PID HS1553, BRASS DISC STAMPED "150.918 U 84 1930", AT THE SOUTHWEST CORNER OF THIRD STREET AND CEDAR AVENUE, AT THE CITY LIBRARY, IN THE TOP OF THE SOUTHWEST CORNER OF THE BOTTOM STEP TO THE LAST ENTRANCE, 7.5' EAST OF THE EAST WALL OF THE BUILDING, 1' SOUTH OF THE SOUTH BALUSTRADE, AND APPROXIMATELY 1.5' HIGHER THAN THE STREET. ELEVATION=153.00 NAVD88.

AGENCY APPROVALS

APPROVED BY:

06/30/2020

CITY ENGINEER FOR THE CITY OF ATWATER — DATE

CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawings. Any discrepancies shall be reported to the Engineer before proceeding with the work. Copyrights to all designs and drawings are the property of WHCE. Reproduction or use for any purpose other than that authorized by WHCE is forbidden. The drawings shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.

Revision

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
COVER SHEET

Engineer's Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Engineer's Signature:
Signature Date:

811
Know what's below.
Call before you dig.

Project Engineer: ROBERT F. CHRISTENSEN
Project Number: 1093-0800
File Name: 01_CVR.dwg

AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

Sheet No.

1 of 13 sheets
CML-5254 (028)

W:\1093\0800\civil\sheet_files\01_CVR.dwg
2020-4-27 12:40 By: arreed

ORIGINAL SHEET – ARCH D

GENERAL NOTES

1. ALL MATERIAL AND WORK SHALL CONFORM TO CITY OF ATWATER IMPROVEMENT STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE DIRECTED IN THESE PLANS AND/OR THE PROJECT SPECIFICATIONS. THE IMPROVEMENTS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION AND/OR PUBLIC WORKS DEPARTMENT. CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION AT (209) 357–6337 AT LEAST TWO (2) FULL WORKING DAYS (48 HOURS) PRIOR TO THE START OF ANY WORK TO ARRANGE FOR INSPECTION.
2. THE CONTRACTOR OR DEVELOPER SHALL OBTAIN AN ENCROACHMENT PERMIT PRIOR TO THE START OF ANY WORK WITHIN PUBLIC RIGHTS–OF–WAY. NO WORK CAN BEGIN WITHOUT AN APPROVED AND SIGNED SET OF IMPROVEMENT PLANS.
3. AN APPROVED SET OF IMPROVEMENT PLANS SHALL BE AT THE CONSTRUCTION SITE AT ALL TIMES.
4. PRIOR TO EXCAVATING NEAR ANY UNDERGROUND UTILITIES, CALL UNDERGROUND SERVICE ALERT (USA) AT LEAST TWO (2) FULL WORKING DAYS (48 HOURS) IN ADVANCE AT 811 OR (800) 227–2600. THE CONTRACTOR IS RESPONSIBLE TO DIRECTLY NOTIFY ANY UTILITY COMPANY THAT IS NOT A USA MEMBER AND PROVIDE THEM THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
5. THESE PLANS HAVE BEEN CHECKED BY THE CITY OF ATWATER AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE DEVELOPER AND CONTRACTOR FROM HIS/HER RESPONSIBILITY TO CORRECT ERRORS OR OMISSIONS, OR TO MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION.
6. CONTRACTOR SHALL CONTROL DUST AT ALL TIMES DURING CONSTRUCTION AS REQUIRED BY THE CITY OF ATWATER AND THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT (SJVAPCD).
7. RELOCATION OF DESIGNED UTILITY SYSTEMS MUST BE REVIEWED BY THE COMMUNITY DEVELOPMENT DEPARTMENT ENGINEERING DIVISION PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED STAMPED PLANS AND SHALL BE APPROVED BY THE CITY ENGINEER AND THE DESIGN ENGINEER PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
8. ALL CONSTRUCTION STAKING FOR CURB, GUTTER, AND SIDEWALK, SANITARY SEWERS, STORM DRAINS, WATER LINES, FIRE HYDRANTS, AND ELECTROLIERS, ETC. SHALL BE PERFORMED UNDER THE DIRECTION OF THE CITY SURVEYOR, LICENSED UNDER THE CALIFORNIA BUSINESS & PROFESSIONS CODE.
9. ALL EXISTING UNDERGROUND UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL NOT BEGIN EXCAVATION UNTIL ALL UTILITY COMPANIES AND THE CITY OF ATWATER HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
10. HOUSE SERVICES, FIRE HYDRANT LATERALS, GAS AND TELEPHONE LINES, AND ALL OTHER UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO CURB, GUTTER, AND SIDEWALK CONSTRUCTION AND STREET PAVING.
11. ALL LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED.
12. MATERIAL TESTING:

A. MATERIAL TESTING AND INSPECTION SHALL BE PERFORMED BY THE CITY.

B. CONTRACTOR SHALL FURNISH MATERIAL CERTIFICATIONS FOR PRE–MANUFACTURED MATERIAL WHEN CALLED FOR BY THE CITY ENGINEER.

13. STREET STRIPING SHALL INCLUDE STOP BARS, CENTERLINE STRIPING OR MARKERS, CROSSWALKS AND ALL OTHER MARKINGS REQUIRED BY THE CITY ENGINEER. STRIPING SHALL BE DONE WITH THERMOPLASTIC AND REFLECTIVE MARKERS.
14. WHEN WIDENING THE PAVEMENT ON AN EXISTING ROAD, THE EXISTING PAVEMENT SHALL BE CUT TO A NEAT, STRAIGHT LINE AND REMOVED BACK TO AN EXISTING ADEQUATE STRUCTURAL SECTION, OR TO THE ORIGINAL ROAD SECTION. AN EXPLORATORY TRENCH, OR POT–HOLING, MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAVEMENT REMOVAL.
15. ALL TRENCHES AND POT–HOLES SHALL BE BACKFILLED IN ACCORDANCE WITH CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS (LATEST EDITION) AND CITY OF ATWATER IMPROVEMENT STANDARDS AND SPECIFICATIONS.
16. EXISTING CURB, GUTTER, AND SIDEWALK WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED PER CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS (LATEST EDITION) AND CITY OF ATWATER IMPROVEMENT STANDARDS AND SPECIFICATIONS, EVEN IF DAMAGE OR DISPLACEMENT OCCURRED PRIOR TO ANY WORK PERFORMED BY THE CONTRACTOR.
17. SIDEWALKS TO BE REMOVED SHALL BE SAW CUT IN A NEAT, STRAIGHT LINE AT EXISTING JOINTS OR SCORE MARKS. SAW CUTTING OF SIDEWALKS BETWEEN JOINTS OR SCORE MARKS IS NOT PERMITTED.
18. PRIOR TO TRENCHING FOR ANY SEWER, WATER, OR STORM DRAIN PIPE, THE CONTRACTOR SHALL VERIFY, IN THE FIELD, THE SIZE AND LOCATION OF THE EXISTING PIPE AT THE POINT OF CONNECTION. ANY DEVIATION FROM THE PLANS SHALL BE RESOLVED BY THE DESIGN ENGINEER PRIOR TO TRENCHING.
19. MANHOLES, VALVES, CLEANOUTS, ETC. SHALL BE BROUGHT TO FINISH GRADE BY THE CONTRACTOR AFTER THE FINAL PAVING COURSE IS PLACED.
20. STREET CLOSURE OR LANE CLOSURE REQUIRES A TRAFFIC CONTROL PLAN AND THE DESIGNATION OF A QUALIFIED INDIVIDUAL FOR ITS IMPLEMENTATION AND SAFE MAINTENANCE.
21. ALL CONSTRUCTION SITE ACTIVITIES SHALL COMPLY WITH CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS (LATEST EDITION), AND/OR CITY OF ATWATER STANDARD PLANS AND SPECIFICATIONS, AND/OR MITIGATION MEASURES ADOPTED BY THE PLANNING COMMISSION AND/OR THE CITY COUNCIL FOR THE SPECIFIC PROJECT.
22. PRIOR TO INITIATING ANY CONSTRUCTION, THE CONTRACTOR/DEVELOPER SHALL VERIFY THAT ALL NECESSARY FEDERAL, STATE, AND LOCAL PERMITS AND/OR AUTHORIZATIONS HAVE BEEN OBTAINED.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS THAT WILL BE DISTURBED, DAMAGED, OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR BY A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR BY THE REGISTERED CIVIL ENGINEER AS REQUIRED BY SECTION 8771 OF THE PROFESSIONAL LAND SURVEYORS' ACT (CA BUSINESS AND PROFESSIONS CODE SECTIONS 8700 – 8805).

NPDES

1. DEVELOPER AND CONTRACTOR SHALL BE IN COMPLIANCE WITH CHAPTER 13.22 OF THE ATWATER MUNICIPAL CODE.
2. ALL CONSTRUCTION SITE ACTIVITIES, REGARDLESS OF PROJECT SIZE, SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF ATWATER MUNICIPAL CODE SECTION 13.22.120 "REDUCTION OF POLLUTANTS IN STORM WATER." COMPLIANCE WITH CITY OF ATWATER POST–CONSTRUCTION STANDARDS, DEVELOPMENT OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP), COVERAGE UNDER THE CURRENT STATE WATER RESOURCE CONTROL BOARD (SWRCB) GENERAL PERMIT FOR DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (CONSTRUCTION GENERAL PERMIT), AND THE IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMPS) ARE REQUIRED WHERE APPLICABLE.
3. CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPS) FOR THE MANAGEMENT OF STORM WATER AND NON–STORMWATER DISCHARGES SHALL BE DOCUMENTED ON THE GRADING PLAN. ARRANGEMENTS SHALL BE MADE BY THE DEVELOPER TO RETAIN THE SWPPP AND/OR THE EROSION/SEDIMENT CONTROL PLAN ON THE JOBSITE THROUGHOUT THE TIME OF CONSTRUCTION. THE IMPLEMENTATION AND MAINTENANCE OF SITE BMPS IS REQUIRED TO MINIMIZE JOBSITE EROSION AND SEDIMENTATION. ARRANGEMENTS SHALL BE MADE BY THE DEVELOPER TO MAINTAIN THOSE BMPS THROUGHOUT THE TIME OF CONSTRUCTION.
4. EROSION CONTROL BMPS SHALL BE IMPLEMENTED AND MAINTAINED TO MINIMIZE THE ENTRAINMENT OF SOIL IN RUNOFF FROM DISTURBED SOIL AREAS ON CONSTRUCTION SITES.
5. SEDIMENT CONTROL BMPS SHALL BE IMPLEMENTED AND MAINTAINED TO MINIMIZE THE TRANSPORT OF SOIL FROM THE CONSTRUCTION SITE.
6. GRADING SHALL BE PHASED TO LIMIT THE AMOUNT OF DISTURBED AREAS EXPOSED TO THE EXTENT FEASIBLE.
7. AREAS THAT ARE CLEARED AND GRADED SHALL BE LIMITED TO ONLY THE PORTION OF THE SITE THAT IS NECESSARY FOR CONSTRUCTION. THE CONSTRUCTION SITE SHALL BE MANAGED TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION.
8. ONCE DISTURBED, SLOPES (TEMPORARY OR PERMANENT) SHALL BE STABILIZED IF THEY WILL NOT BE WORKED WITHIN 14 DAYS. ALL SLOPES SHALL BE STABILIZED PRIOR TO A PREDICTED STORM EVENT. CONSTRUCTION SITES SHALL BE REVEGETATED AS EARLY AS FEASIBLE AFTER SOIL DISTURBANCE.
9. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
10. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT A STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OTHER THAN STORMWATER (NON–STORMWATER DISCHARGES) ARE PROHIBITED, EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT, THE STATEWIDE GENERAL PERMIT–CONSTRUCTION ACTIVITY. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, LIME, PESTICIDES, HERBICIDES, FERTILIZERS, WOOD PRESERVATIVES, AND ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; CONCRETE AND RELATED CUTTING OR CURING RESIDUES; FLOATABLE WASTES; WASTES FROM ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; WASTES FROM STREET CLEANING; AND SUPER–CHLORINATED POTABLE WATER FROM LINE FLUSHING AND TESTING. DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON–SITE PHYSICALLY SEPARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
11. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT THE CONSTRUCTION SITE AND MUST NOT BE DISCHARGED TO RECEIVING WATERS OR THE LOCAL STORM DRAIN SYSTEM.
12. APPROPRIATE BMPS FOR CONSTRUCTION–RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED TO ELIMINATE OR REDUCE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
13. ALL CONSTRUCTION CONTACTORS AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BMPS AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
14. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING GROUNDWATER THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS ALSO PROHIBITED. DISCHARGING NON–CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES MAY REQUIRE A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE REGIONAL WATER QUALITY CONTROL BOARD.
15. BMPS SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, BMPS SHALL BE INSPECTED PRIOR TO PREDICTED STORM EVENTS AND FOLLOWING STORM EVENTS.
16. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF IN TRASH OR RECYCLE BINS.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
@	AT	OG	ORIGINAL GROUND / GRADE
AB	AGGREGATE BASE	P	PAVEMENT
AC	ASPHALT CONCRETE	PC	POINT OF CURVATURE
BMP	BEST MANAGEMENT PRACTICES	ℙ OR PL	PROPERTY LINE
BP	BEGINNING POINT	PT	POINT OF TANGENCY
BSL	BUILDING SETBACK LINE	PUE	PUBLIC UTILITY EASEMENT
℄ OR CL	CENTERLINE	PVC	POLYVINYL CHLORIDE PIPE
CO	CLEAN OUT	R	RADIUS, RIM GRADE OF STRUCTURE
COA	CITY OF ATWATER	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RD	RELATIVE DENSITY
CB	CATCH BASIN	REF	REFERENCE
CR	CROWN	RET	RETURN
DIA	DIAMETER	RP	RETURN POINT
DIP	DUCTILE IRON PIPE	RT	RIGHT
DL	DAYLIGHT LINE	R/W	RIGHT OF WAY
DTL	DETAIL	RV	RESISTANCE VALUE
DW	DRIVEWAY	SHT	SHEET
DWG	DRAWING	STA	STATION
E	EAST OR EASTING	STD	STANDARD
ELECT OR ELEC	ELECTROLIER	S/W	SIDEWALK
EL OR ELEV	ELEVATION	S	SLOPE OR SOUTH
EP	EDGE OF PAVEMENT, OR END POINT	SCH	SCHEDULE
		SD	STORM DRAIN
ESC	EROSION STORM CONTROL	SDMH	STORM DRAIN MANHOLE
EX OR EXIST	EXISTING	SF	SQUARE FOOT
FG	FINISH GRADE	SW	SWALE/SIDEWALK
FH	FIRE HYDRANT	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FL	FLOW LINE		
GB	GRADE BREAK	TC	TOP OF CURB
HMA	HOT MIX ASPHALT	TG	TOP OF GRATE
HP	HIGH POINT	THRU	THROUGH
INV OR IE	INVERT ELEVATION	TI	TRAFFIC INDEX
IRR	IRRIGATION	TP	TOP OF PAVEMENT
LF	LINEAL FEET OR LINEAR FOOT	TS	TOP OF SLAB
LP	LOW POINT	TYP	TYPICAL
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
MH	MANHOLE	V	VELOCITY OF FLOW
MIN	MINIMUM	VERT	VERTICAL
N	NORTH OR NORTHING	WCR	WHEELCHAIR RAMP
NIC	NOT IN CONTRACT	W	WATER, OR WEST
NTS	NOT TO SCALE	±	PLUS OR MINUS (NOT EXACT)

PROPOSED

LEGEND

Symbol	Description
TC 100.00 / P 99.50	PROPOSED FINISH ELEVATION
.003 .003	PROPOSED SLOPE AND DIRECTION
	PROPOSED GRADE BREAK
	PROPOSED SIDE SLOPE INDICATION
	PROPOSED SAWCUT LINE
	PROPOSED CURB, GUTTER AND SIDEWALK
	PROPOSED EDGE OF ASPHALT PAVEMENT
	PROPOSED EDGE OF SHOULDER
	PROPOSED CONCRETE
	PROPOSED ASPHALT CONCRETE PAVEMENT
	PROPOSED LANDSCAPING
	PROPOSED DRIVEWAY
	PROPOSED CURB RETURN

EXISTING

Symbol	Description
+100.00 P	EXISTING PAVEMENT ELEVATION
+100.00 EP	EXISTING EDGE OF PAVEMENT ELEVATION
+100.00 C	EXISTING CONCRETE ELEVATION
+100.00 BOW	EXISTING BACK OF SIDEWALK ELEVATION
+100.00 BC	EXISTING BACK OF CURB ELEVATION
+100.00 TC	EXISTING TOP OF CURB ELEVATION
+100.00 FL	EXISTING FLOW LINE ELEVATION
+100.00 L	EXISTING LIP OF GUTTER ELEVATION
+100.00 TR	EXISTING TOP OF RAIL (TRACKS) ELEVATION
+100.00 GS	EXISTING GROUND ELEVATION
	EXISTING STREET LIGHT
E	EXISTING UNDERGROUND ELECTRICAL LINE
E	EXISTING ELECTRICAL BOX
OHE	EXISTING OVERHEAD UTILITY LINE
T	EXISTING TELECOMMUNICATIONS MANHOLE
C	EXISTING CABLE TV/ UTILITY BOX
COM	EXISTING UNDERGROUND TELECOMMUNICATIONS LINE
T	EXISTING TELECOMMUNICATIONS BOX
	EXISTING COMMUNICATIONS STRUCTURE
GV	EXISTING GAS VALVE
G	EXISTING UNDERGROUND GAS LINE
S	EXISTING UNDERGROUND SANITARY SEWER LINE
	EXISTING AREA DRAIN
	EXISTING STORM DRAIN CURB INLET
EX12"D	EXISTING UNDERGROUND STORM DRAIN LINE (SIZE AS NOTED)
D	EXISTING STORM DRAIN MANHOLE
	EXISTING HOSE BIB
FH	EXISTING FIRE HYDRANT
WV	EXISTING WATER VALVE
WM	EXISTING WATER METER
EX12"W	EXISTING UNDERGROUND WATER LINE (SIZE AS NOTED)
	EXISTING BACKFLOW PREVENTION DEVICE
IV	EXISTING IRRIGATION VALVE
	EXISTING IRRIGATION STAND PIPE
	EXISTING LANDSCAPE IRRIGATION CONTROL VALVE
	EXISTING UNDERGROUND IRRIGATION LINE
	EXISTING UNDERGROUND IRRIGATION ELECTRIC
	EXISTING DETECTOR LOOP HAND WELL
	EXISTING FLASHING SIGN
	EXISTING SANITARY SEWER CLEANOUT
	EXISTING SITE LIGHT
	EXISTING UTILITY SERVICE POLE
	EXISTING GUY WIRE
	EXISTING UTILITY POLE
	EXISTING TRAFFIC SIGN
	EXISTING BOLLARD
	EXISTING MAILBOX
	EXISTING BUSH DRIP LINE
	EXISTING DRIP LINE
	EXISTING CHAIN LINK FENCE
	EXISTING WOOD FENCE
	EXISTING MASONRY WALL
	EXISTING RETAINING WALL
	EXISTING GUARD RAIL
	EXISTING CABLE FENCE
	EXISTING BARBED WIRE FENCE
	EXISTING FENCE
	EXISTING TRUNCATED DOMES
	EXISTING CONCRETE PAVING
	EXISTING ASPHALT CONCRETE PAVING
	EXISTING EDGE OF ASPHALT PAVEMENT
	EXISTING CONCRETE CURB AND GUTTER
	EXISTING CONCRETE CURB
TOP	EXISTING TOP OF BANK
TOE	EXISTING TOE OF BANK
	EXISTING GRADE BREAK
	EXISTING ADA CURB RAMP
	EXISTING DRIVEWAY RAMP
	EXISTING MAILBOX
	EXISTING BUILDING
	EXISTING PAVEMENT MARKING
STOP	EXISTING STOP MARKING AND LEGEND
	EXISTING SOLID PAVEMENT MARKING
	EXISTING SINGLE BROKEN WHITE LINE PAVEMENT MARKING
	EXISTING DOUBLE SOLID YELLOW LINE PAVEMENT MARKING
	EXISTING SINGLE SOLID WHITE LINE PAVEMENT MARKING
	EXISTING WHITE CROSSWALK PAVEMENT MARKING
	EXISTING SHRUB
	EXISTING TREE
S	EXISTING TRAFFIC SIGNAL UTILITY BOX
	EXISTING TRAFFIC SIGNAL LIGHT

CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale drawing. Any errors or omissions shall be reported to WHCE without delay. Copyrights to all designs and drawings are the property of WHCE. Reproduction or use in whole or in part for any purpose other than that authorized in writing by WHCE is strictly forbidden. This drawing shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.

Revision

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
NOTES, ABBREVIATIONS AND LEGENDS

Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Robert F. Christensen
Engineer's Signature:
Signature Date:

811 Know what's below. Call before you dig.

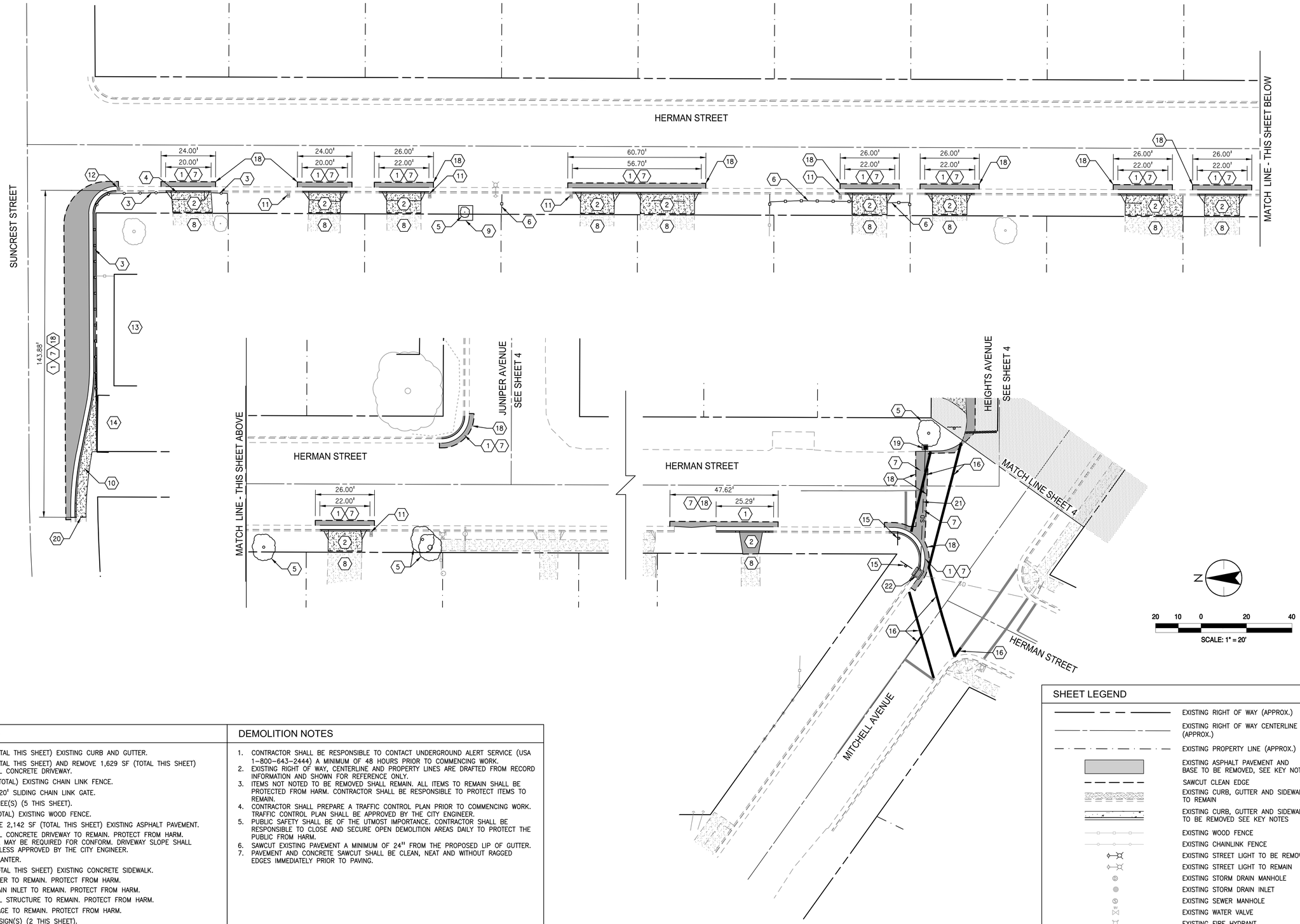
Project Engineer: ROBERT F. CHRISTENSEN
Project Number: 1093–0800
File Name: 02_NTS.dwg

AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

Sheet No.
02 of 13 sheets
CML-5254 (028)

W:\10930800\civil\ip\sheet_files\02_NTS.dwg)
2020–6–17 12:41 By: areed

ORIGINAL SHEET – ARCH D



KEYNOTES (#)

1. REMOVE 466 LF (TOTAL THIS SHEET) EXISTING CURB AND GUTTER.
2. SAWCUT 178 LF (TOTAL THIS SHEET) AND REMOVE 1,629 SF (TOTAL THIS SHEET) EXISTING RESIDENTIAL CONCRETE DRIVEWAY.
3. RELOCATE 136 LF (TOTAL) EXISTING CHAIN LINK FENCE.
4. RELOCATE EXISTING 20' SLIDING CHAIN LINK GATE.
5. REMOVE EXISTING TREE(S) (5 THIS SHEET).
6. RELOCATE 77 LF (TOTAL) EXISTING WOOD FENCE.
7. SAWCUT AND REMOVE 2,142 SF (TOTAL THIS SHEET) EXISTING ASPHALT PAVEMENT.
8. EXISTING RESIDENTIAL CONCRETE DRIVEWAY TO REMAIN. PROTECT FROM HARM. ADDITIONAL REMOVAL MAY BE REQUIRED FOR CONFORM. DRIVEWAY SLOPE SHALL NOT EXCEED 8% UNLESS APPROVED BY THE CITY ENGINEER.
9. REMOVE EXISTING PLANTER.
10. REMOVE 207 SF (TOTAL THIS SHEET) EXISTING CONCRETE SIDEWALK.
11. EXISTING WATER METER TO REMAIN. PROTECT FROM HARM.
12. EXISTING STORM DRAIN INLET TO REMAIN. PROTECT FROM HARM.
13. EXISTING RESIDENTIAL STRUCTURE TO REMAIN. PROTECT FROM HARM.
14. EXISTING SHED/GARAGE TO REMAIN. PROTECT FROM HARM.
15. RELOCATE EXISTING SIGN(S) (2 THIS SHEET).
16. REMOVE EXISTING STRIPING (BY GRINDING).
17. NOT USED.
18. SAWCUT 740 LF (TOTAL THIS SHEET) EXISTING ASPHALT PAVEMENT.
19. REMOVE EXISTING DRAIN INLET (1 THIS SHEET)
20. 20 SAWCUT 7 LF (TOTAL THIS SHEET) EXISTING SIDEWALK, CURB AND GUTTER
21. REMOVE 55 LF EXISTING STORM DRAIN PIPE
22. EXISTING GO INLET, REMOVE EXISTING FRAME AND GRATE, INLET BASE AND RISER TO REMAIN.

DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT UNDERGROUND ALERT SERVICE (USA 1-800-643-2444) A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK.
2. EXISTING RIGHT OF WAY, CENTERLINE AND PROPERTY LINES ARE DRAFTED FROM RECORD INFORMATION AND SHOWN FOR REFERENCE ONLY.
3. ITEMS NOT NOTED TO BE REMOVED SHALL REMAIN. ALL ITEMS TO REMAIN SHALL BE PROTECTED FROM HARM. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ITEMS TO REMAIN.
4. CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN PRIOR TO COMMENCING WORK. TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE CITY ENGINEER.
5. PUBLIC SAFETY SHALL BE OF THE UTMOST IMPORTANCE. CONTRACTOR SHALL BE RESPONSIBLE TO CLOSE AND SECURE OPEN DEMOLITION AREAS DAILY TO PROTECT THE PUBLIC FROM HARM.
6. SAWCUT EXISTING PAVEMENT A MINIMUM OF 24" FROM THE PROPOSED LIP OF GUTTER.
7. PAVEMENT AND CONCRETE SAWCUT SHALL BE CLEAN, NEAT AND WITHOUT RAGGED EDGES IMMEDIATELY PRIOR TO PAVING.

SHEET LEGEND

- EXISTING RIGHT OF WAY (APPROX.)
- EXISTING RIGHT OF WAY CENTERLINE (APPROX.)
- EXISTING PROPERTY LINE (APPROX.)
- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED, SEE KEY NOTES
- SAWCUT CLEAN EDGE
- EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN
- EXISTING CURB, GUTTER AND SIDEWALK TO BE REMOVED SEE KEY NOTES
- EXISTING WOOD FENCE
- EXISTING CHAINLINK FENCE
- EXISTING STREET LIGHT TO BE REMOVED
- EXISTING STREET LIGHT TO REMAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING GUY WIRE
- SD — EXISTING STORM DRAIN PIPE

CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale drawings. Any discrepancies shall be reported to the Engineer before proceeding with the work. Copyrights to all designs and drawings are the property of WHCE. Reproduction or publication by any method, in whole or in part, is prohibited. Title to all plans and drawings remain with WHCE. In event of unauthorized reuse of these documents, the user will indemnify and hold harmless WHCE from any liability arising out of such reuse. These drawings shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Revision	By	Appd.

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
DEMOLITION PLAN
HERMAN STREET

Engineer's Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Engineer's Signature:
Signature Date:

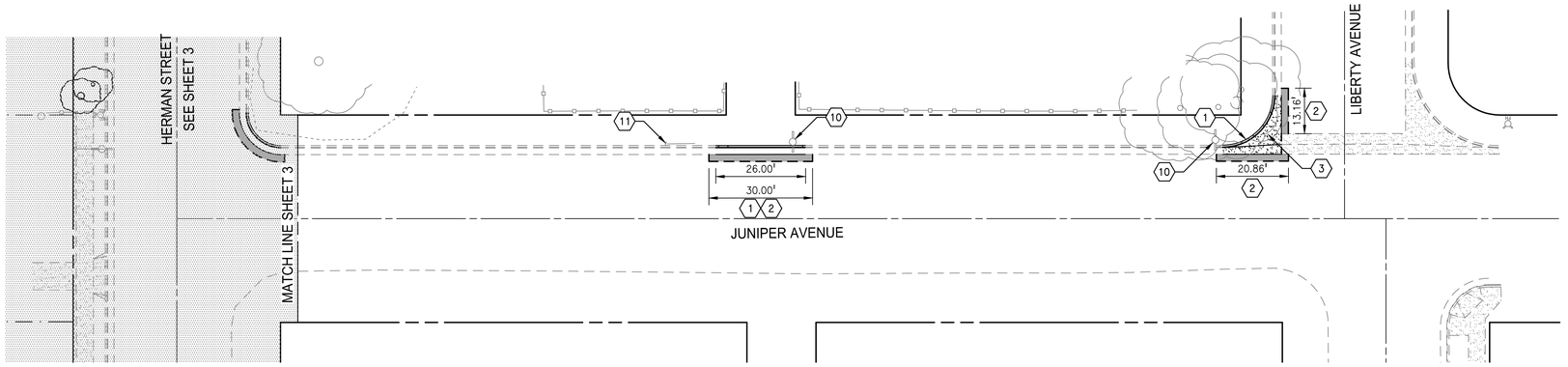
Know what's below.
Call before you dig.

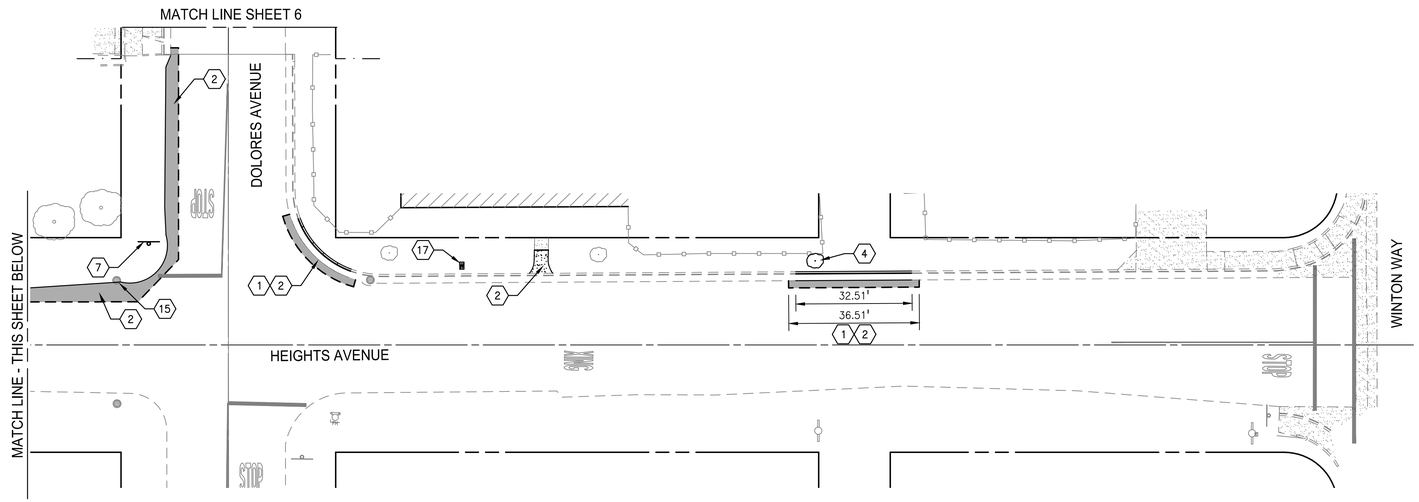
Project Engineer: ROBERT F. CHRISTENSEN			
Project Number: 1093-0800			
File Name: 03_DEMO.dwg			
AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

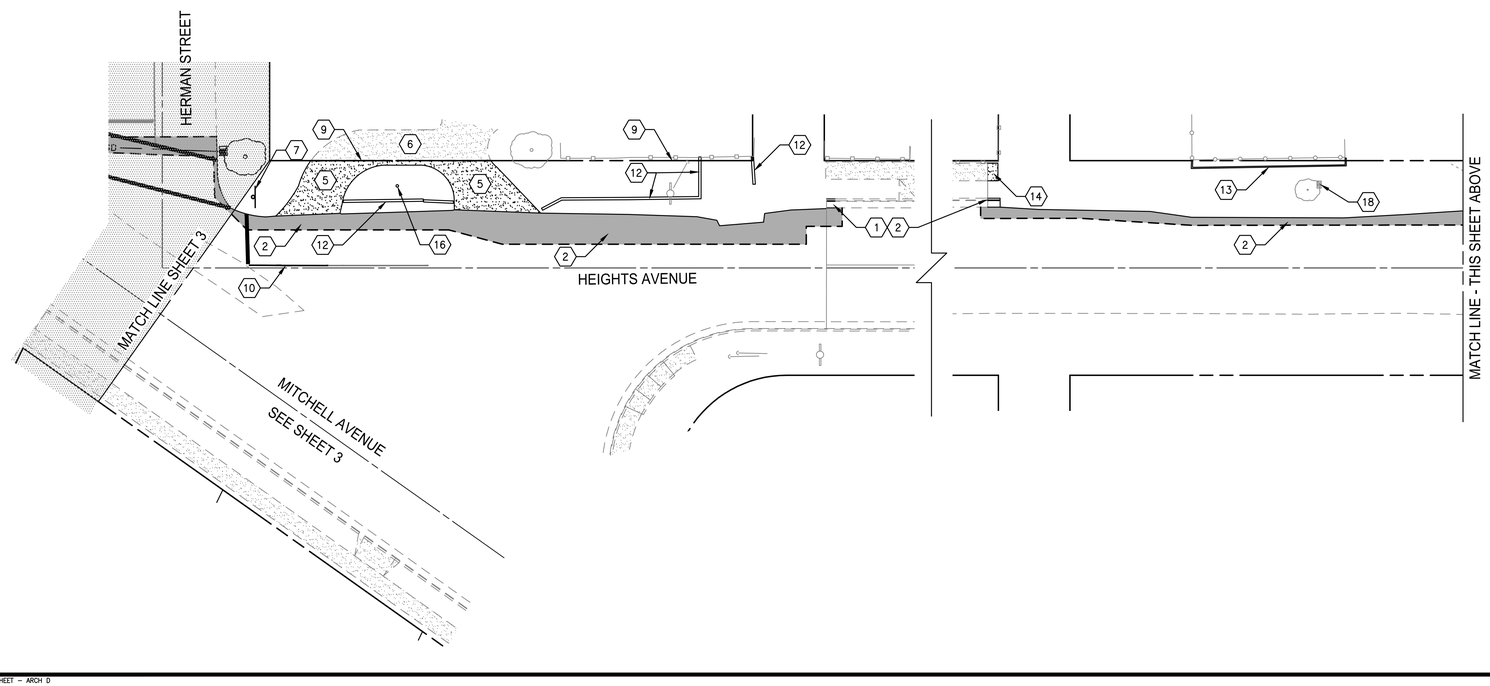
Sheet No.
3 of 13 sheets
CML-5254 (028)

W:\1093\0800\civil\cp\sheet_files\03_DEMO.dwg
2020-6-17 12:41 By: dreed

ORIGINAL SHEET – ARCH D







DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT UNDERGROUND ALERT SERVICE (USA 1-800-643-2444) A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK.
2. EXISTING RIGHT OF WAY, CENTERLINE AND PROPERTY LINES ARE DRAFTED FROM RECORD INFORMATION AND SHOWN FOR REFERENCE ONLY.
3. ITEMS NOT NOTED TO BE REMOVED SHALL REMAIN. ALL ITEMS TO REMAIN SHALL BE PROTECTED FROM HARM. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ITEMS TO REMAIN.
4. CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN PRIOR TO COMMENCING WORK. TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE CITY ENGINEER.
5. PUBLIC SAFETY SHALL BE OF THE UTMOST IMPORTANCE. CONTRACTOR SHALL BE RESPONSIBLE TO CLOSE AND SECURE OPEN DEMOLITION AREAS DAILY TO PROTECT THE PUBLIC FROM HARM.
6. SAWCUT EXISTING PAVEMENT A MINIMUM OF 24" FROM THE PROPOSED LIP OF GUTTER.
7. PAVEMENT AND CONCRETE SAWCUT SHALL BE CLEAN, NEAT AND WITHOUT RAGGED EDGES IMMEDIATELY PRIOR TO PAVING.

KEYNOTES (#)

1. REMOVE 50 LF (TOTAL THIS SHEET) EXISTING CURB AND GUTTER.
2. SAWCUT 712 LF (TOTAL THIS SHEET) AND REMOVE 2,329 SF (TOTAL THIS SHEET) EXISTING ASPHALT PAVEMENT.
3. REMOVE 110 SF (TOTAL) EXISTING CONCRETE VALLEY GUTTER.
4. REMOVE EXISTING TREE (1 THIS SHEET).
5. SAWCUT 37 LF (TOTAL THIS SHEET) AND REMOVE 718 SF (TOTAL THIS SHEET) EXISTING RESIDENTIAL STAMPED CONCRETE DRIVEWAY.
6. EXISTING CONCRETE TO REMAIN. PROTECT FROM HARM.
7. RELOCATE EXISTING SIGN (2 THIS SHEET).
8. REMOVE EXISTING STRIPING (BY GRINDING).
9. CONSTRUCTION ALONG THE FRONTAGE OF THIS PARCEL IS ONLY ALLOWED WITHIN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL IDENTIFY THE RIGHT OF WAY PRIOR TO CONSTRUCTION AND NOTIFY THE PROPERTY OWNER 72 HOURS IN ADVANCE OF CONSTRUCTION (2189 HEIGHTS AVENUE).
10. EXISTING POWER POLE TO REMAIN. PROTECT FROM HARM.
11. EXISTING GUY WIRE TO REMAIN. PROTECT FROM HARM
12. REMOVE EXISTING DECORATIVE RAIL ROAD TIES.
13. REMOVE 46 LF (TOTAL THIS SHEET) EXISTING CONCRETE MOW STRIP
14. REMOVE 14 SF (TOTAL THIS SHEET) EXISTING CONCRETE SIDEWALK.
15. EXISTING STORM DRAIN INLET TO REMAIN.
16. REMOVE EXISTING TREE STUMP.
17. RELOCATE EXISTING WATER METER AND BOX (1 THIS SHEET)
18. EXISTING WATER METER TO REMAIN, PROTECT FROM HARM

N

20 10 0 20 40

SCALE: 1" = 20'

SHEET LEGEND

- EXISTING RIGHT OF WAY (APPROX.)
- EXISTING RIGHT OF WAY CENTERLINE (APPROX.)
- EXISTING PROPERTY LINE (APPROX.)
- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED, SEE KEY NOTES
- SAWCUT CLEAN EDGE
- EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN
- EXISTING CURB, GUTTER AND SIDEWALK TO BE REMOVED SEE KEY NOTES
- EXISTING WOOD FENCE
- EXISTING CHAINLINK FENCE
- EXISTING STREET LIGHT TO BE REMOVED
- EXISTING STREET LIGHT TO REMAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING GUY WIRE

CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawings. Any discrepancies shall be reported to the Engineer before work is performed. Copyrights to all designs and drawings are the property of WHCE. Reproduction or publication by any method, in whole or in part, is prohibited. Title to all plans and drawings remain with WHCE. In the event of unauthorized reuse, the user will indemnify WHCE against all claims arising therefrom. This drawing shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM/YY	Description	By	Appd.

Revision

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
DEMOLITION PLAN
JUNIPER AVENUE & HEIGHTS AVENUE

Engineer's Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Engineer's Signature: Robert F. Christensen
Signature Date:

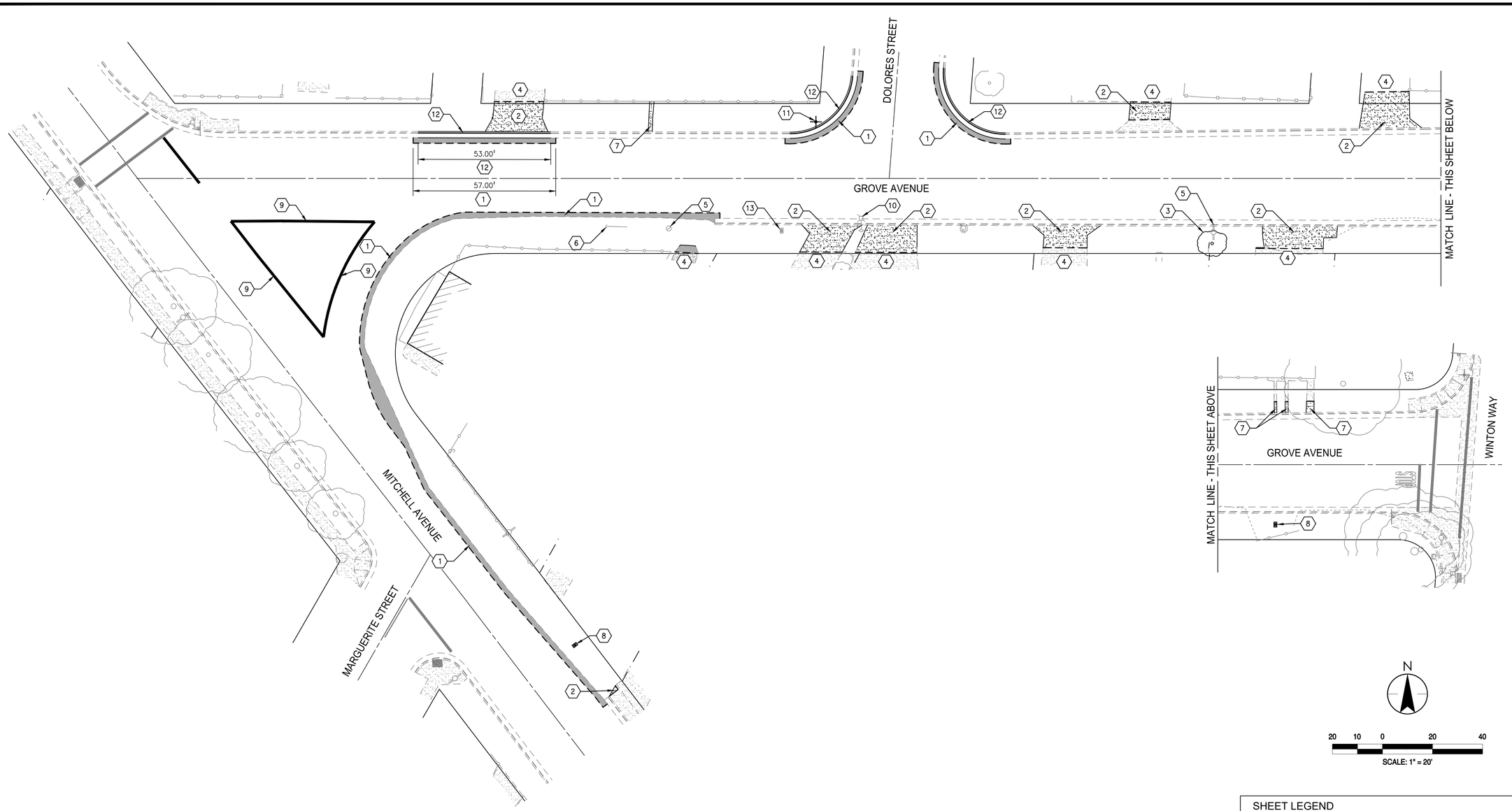
811
Know what's below.
Call before you dig.

Project Engineer: ROBERT F. CHRISTENSEN			
Project Number: 1093-0800			
File Name: 04_DEMO.dwg			
AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

Sheet No.

4 of 13 sheets
CML-5254 (028)

W:\1093\0800\civil\sheet_files\04_DEMO.dwg
2020-6-17 12:42 By: areed
ORIGINAL SHEET - ARCH D



KEYNOTES (#)

1. SAWCUT 525 LF (TOTAL THIS SHEET) AND REMOVE 888 SF (TOTAL THIS SHEET) EXISTING ASPHALT PAVEMENT.
2. SAWCUT 170 LF (TOTAL THIS SHEET) AND REMOVE 1,512 SF (TOTAL) EXISTING RESIDENTIAL CONCRETE DRIVEWAY.
3. REMOVE EXISTING TREE (1 THIS SHEET).
4. EXISTING RESIDENTIAL CONCRETE DRIVEWAY TO REMAIN. PROTECT FROM HARM. ADDITIONAL REMOVAL MAY BE REQUIRED FOR CONFORM. DRIVEWAY SLOPE SHALL NOT EXCEED 8% UNLESS APPROVED BY THE CITY ENGINEER.
5. EXISTING UTILITY POLE TO REMAIN. PROTECT FROM HARM.
6. EXISTING GUY WIRE TO REMAIN. PROTECT FROM HARM.
7. REMOVE 31 LF (TOTAL THIS SHEET) EXISTING CONCRETE MOW STRIP.
8. RELOCATE EXISTING WATER METER AND BOX (2 THIS SHEET).
9. REMOVE EXISTING STRIPING (BY GRINDING).
10. EXISTING STREET LIGHT TO REMAIN. PROTECT FROM HARM.
11. RELOCATE EXISTING STREET NAME SIGN (1 THIS SHEET)
12. SAWCUT AND REMOVE 132 LF (TOTAL THIS SHEET) EXISTING CURB AND GUTTER.
13. EXISTING WATER METER TO REMAIN, PROTECT FROM HARM.

DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT UNDERGROUND ALERT SERVICE (USA 1-800-643-2444) A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK.
2. EXISTING RIGHT OF WAY, CENTERLINE AND PROPERTY LINES ARE DRAFTED FROM RECORD INFORMATION AND SHOWN FOR REFERENCE ONLY.
3. ITEMS NOT NOTED TO BE REMOVED SHALL REMAIN. ALL ITEMS TO REMAIN SHALL BE PROTECTED FROM HARM. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ITEMS TO REMAIN.
4. CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN PRIOR TO COMMENCING WORK. TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE CITY ENGINEER.
5. PUBLIC SAFETY SHALL BE OF THE UTMOST IMPORTANCE. CONTRACTOR SHALL BE RESPONSIBLE TO CLOSE AND SECURE OPEN DEMOLITION AREAS DAILY TO PROTECT THE PUBLIC FROM HARM.
6. SAWCUT EXISTING PAVEMENT A MINIMUM OF 24" FROM THE PROPOSED LIP OF GUTTER.
7. PAVEMENT AND CONCRETE SAWCUT SHALL BE CLEAN, NEAT AND WITHOUT RAGGED EDGES IMMEDIATELY PRIOR TO PAVING.

SHEET LEGEND

- EXISTING RIGHT OF WAY (APPROX.)
- EXISTING RIGHT OF WAY CENTERLINE (APPROX.)
- EXISTING PROPERTY LINE (APPROX.)
- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED, SEE KEY NOTES
- SAWCUT CLEAN EDGE
- EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN
- EXISTING CURB, GUTTER AND SIDEWALK TO BE REMOVED SEE KEY NOTES
- EXISTING WOOD FENCE
- EXISTING CHAINLINK FENCE
- EXISTING STREET LIGHT TO BE REMOVED
- EXISTING STREET LIGHT TO REMAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING GUY WIRE

VANIR CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale drawings. Any discrepancies shall be reported to the Engineer before proceeding with the work. Copyrights to all designs and drawings are the property of VANIR. Reproduction or publication thereof is expressly limited to the use for the specified project prepared by VANIR, is strictly forbidden. This drawing shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.

Revision

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
DEMOLITION PLAN
GROVE AVENUE

Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Engineer's Signature:
Signature Date:

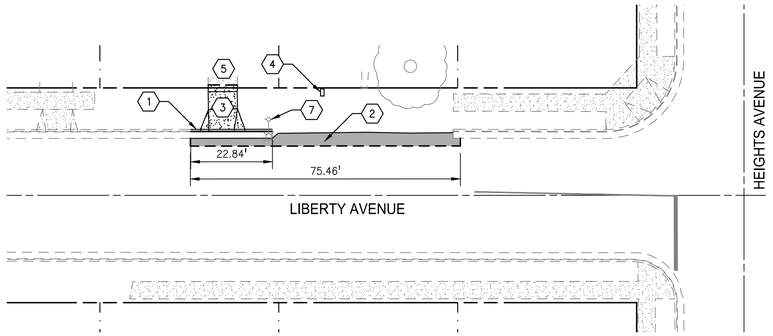
Know what's below. Call before you dig.

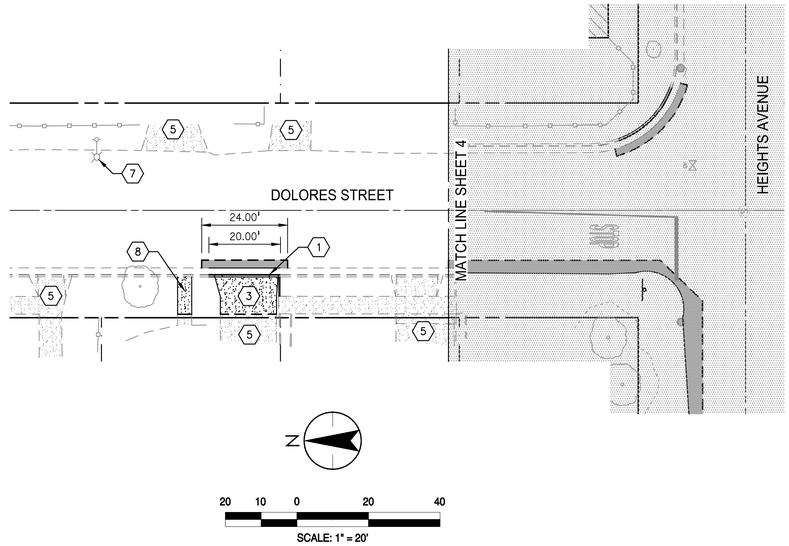
Project Engineer: ROBERT F. CHRISTENSEN			
Project Number: 1093-0800			
File Name: 05_DEMO.dwg			
AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

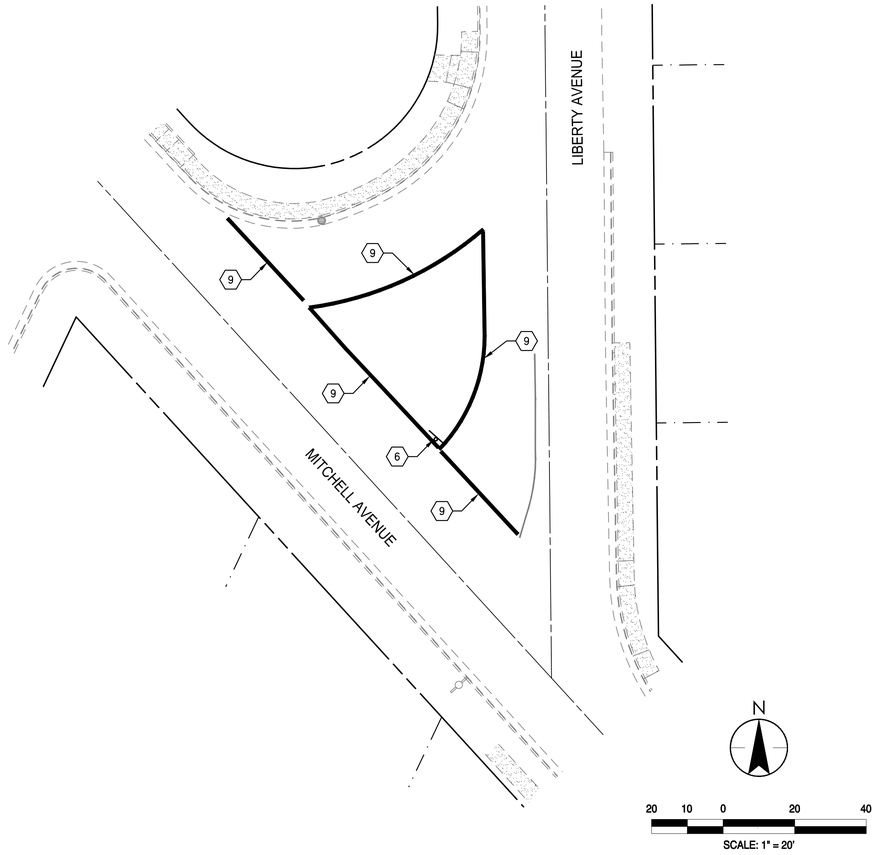
Sheet No.
5 of 13 sheets
CML-5254 (028)

W:\1093\0800\cad\sheet_files\05_DEMO.dwg
2020-04-17 12:42 By: jarred

ORIGINAL SHEET - ARCH D







DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT UNDERGROUND ALERT SERVICE (USA 1-800-643-2444) A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK.
2. EXISTING RIGHT OF WAY, CENTERLINE AND PROPERTY LINES ARE DRAFTED FROM RECORD INFORMATION AND SHOWN FOR REFERENCE ONLY.
3. ITEMS NOT NOTED TO BE REMOVED SHALL REMAIN. ALL ITEMS TO REMAIN SHALL BE PROTECTED FROM HARM. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ITEMS TO REMAIN.
4. CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN PRIOR TO COMMENCING WORK. TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE CITY ENGINEER.
5. PUBLIC SAFETY SHALL BE OF THE UTMOST IMPORTANCE. CONTRACTOR SHALL BE RESPONSIBLE TO CLOSE AND SECURE OPEN DEMOLITION AREAS DAILY TO PROTECT THE PUBLIC FROM HARM.
6. SAWCUT EXISTING PAVEMENT A MINIMUM OF 24" FROM THE PROPOSED LIP OF GUTTER.
7. PAVEMENT AND CONCRETE SAWCUT SHALL BE CLEAN, NEAT AND WITHOUT RAGGED EDGES IMMEDIATELY PRIOR TO PAVING.

KEYNOTES (#)

1. REMOVE 43 LF EXISTING CURB AND GUTTER
2. SAWCUT AND REMOVE 289 SF (TOTAL THIS SHEET) EXISTING ASPHALT PAVEMENT.
3. REMOVE 1,061 SF (TOTAL THIS SHEET) EXISTING RESIDENTIAL CONCRETE DRIVEWAY.
4. RELOCATE EXISTING MAIL BOX (1 THIS SHEET).
5. EXISTING RESIDENTIAL CONCRETE DRIVEWAY TO REMAIN. PROTECT FROM HARM. ADDITIONAL REMOVAL MAY BE REQUIRED FOR CONFORM. DRIVEWAY SLOPE SHALL NOT EXCEED 8% UNLESS APPROVED BY THE CITY ENGINEER.
6. RELOCATE EXISTING SIGN (1 THIS SHEET).
7. EXISTING STREET LIGHT TO REMAIN. PROTECT FROM HARM
8. REMOVE 31 SF EXISTING CONCRETE SIDEWALK.
9. REMOVE EXISTING STRIPING (BY GRINDING).
10. EXISTING DRAIN INLET TO REMAIN. PROTECT FROM HARM.

SHEET LEGEND

- EXISTING RIGHT OF WAY (APPROX.)
- EXISTING RIGHT OF WAY CENTERLINE (APPROX.)
- EXISTING PROPERTY LINE (APPROX.)
- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED, SEE KEY NOTES
- SAWCUT CLEAN EDGE
- EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN
- EXISTING CURB, GUTTER AND SIDEWALK TO BE REMOVED SEE KEY NOTES
- EXISTING WOOD FENCE
- EXISTING CHAINLINK FENCE
- EXISTING STREET LIGHT TO BE REMOVED
- EXISTING STREET LIGHT TO REMAIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- EXISTING SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING GUY WIRE

WHITLOCK & WEISMAN CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawings. Any discrepancies shall be reported to WHITLOCK & WEISMAN before proceeding with the work affected. Copyrights to all designs and drawings are the property of WHITLOCK & WEISMAN. Reproduction or publication by any method, in any manner, is prohibited. These plans are not to be used by WHITLOCK & WEISMAN. The drawings shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.

Revision

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
DEMOLITION PLAN
LIBERTY AVENUE, DOLORES STREET & WILLOW STREET

Engineer's Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Robert F. Christensen
Engineer's Signature:
Signature Date:

811
Know what's below.
Call before you dig.

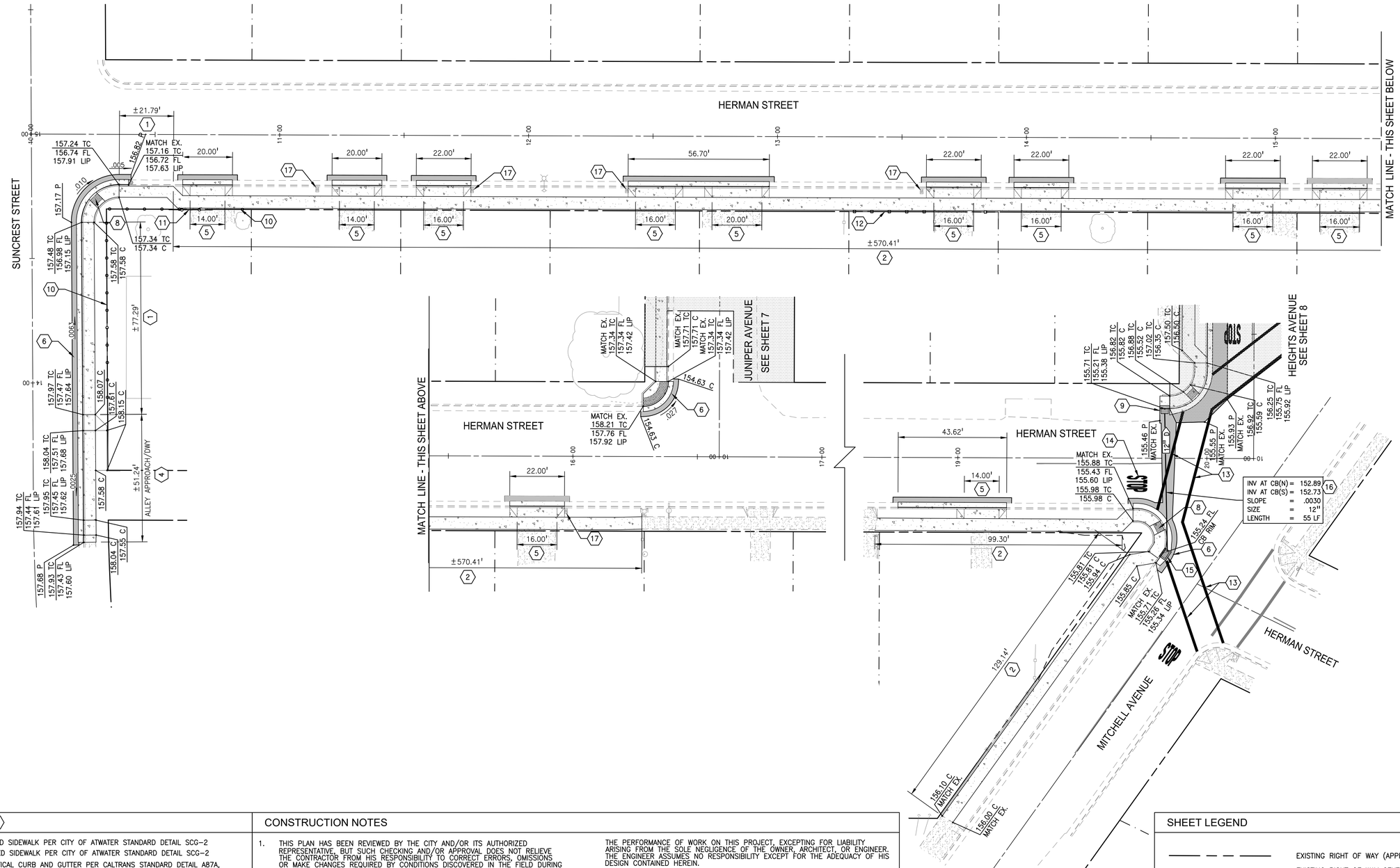
Project Engineer:	ROBERT F. CHRISTENSEN
Project Number:	1093-0800
File Name:	06_DEMO.dwg

AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

Sheet No.
6 of 13 sheets
CML-5254 (028)

W:\1093\0800\civil\sheet_files\06_DEMO.dwg
2020-6-17 12:43 By: arreed

ORIGINAL SHEET - ARCH D



KEYNOTES

1. CONSTRUCT ATTACHED SIDEWALK PER CITY OF ATWATER STANDARD DETAIL SCG-2
2. CONSTRUCT DETACHED SIDEWALK PER CITY OF ATWATER STANDARD DETAIL SCG-2
3. CONSTRUCT 6" VERTICAL CURB AND GUTTER PER CALTRANS STANDARD DETAIL A87A, SHEET 11. (MAX. GUTTER SLOPE OF 5% AT ALL CURB RAMPS)
4. CONSTRUCT ALLEY APPROACH PER CITY OF ATWATER STANDARD DETAIL DR-1
5. CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH PER CALTRANS STANDARD PLAN A87A, SHEET 11
6. CONSTRUCT NEW PAVEMENT SECTION. 2.5" HMA ON 5.5" CLASS II A.B. ON NATIVE SOILS SCARIFIED AND RECOMPACTED TO 95% R.D. FOR A MINIMUM 6" DEPTH. REPLACEMENT AREA SHALL BE MINIMUM 2' WIDE, PARALLEL WITH NEW LIP OF GUTTER
7. NOT USED THIS SHEET
8. CONSTRUCT ACCESSIBLE CURB RAMP PER CALTRANS STANDARD DETAIL A88A, SHEET 13
9. CONSTRUCT CALTRANS "G0" INLET PER CALTRAN STANDARD DETAIL D72E, SHEET 12
10. CONSTRUCT 121 LF 3' CHAIN LINK FENCE
11. INSTALL 20' SLIDING CHAIN LINK GATE
12. INSTALL 46 LF 3' WOOD FENCE
13. INSTALL 12" WIDE WHITE CROSSWALK STRIPING
14. INSTALL STOP BAR AND LEGEND
15. FIT "G3" FRAME AND GRATE ON EXISTING "G0" INLET RISER, ADJUST RIM TO FINISHED GRADE, SEE CALTRANS STANDARD PLAN D72B FOR "G3" FRAME AND GRATE DETAILS
16. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. IF A DISCREPANCY IS FOUND THE CITY ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
17. ADJUST EXISTING WATER METER BOX TO FINISH GRADE (5 THIS SHEET)

CONSTRUCTION NOTES

1. THIS PLAN HAS BEEN REVIEWED BY THE CITY AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION. CIVIL ENGINEER & THE CITY MUST BE INFORMED IN WRITING OF ANY CHANGES MADE DURING CONSTRUCTION PRIOR TO EXECUTION OF THE SAID CHANGE.
2. ALL REVISIONS TO THIS PLAN MUST BE REVIEWED BY THE GOVERNING AGENCY(S) PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY THE APPROPRIATE GOVERNING AGENCY(S) PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
3. THE CONTRACTOR SHALL NOT PERFORM ANY EXCAVATION OPERATIONS UNTIL ALL UTILITY COMPANIES, STATE, COUNTY, AND CITY AGENCIES HAVE BEEN NOTIFIED AND GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO ASSUME ALL LIABILITY FOR ANY AND ALL DAMAGES WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO PHYSICALLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
5. ALL WORK SHALL BE PER OSHA AND APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
6. THE CONTRACTOR SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR OTHER PERMITS FROM ALL GOVERNING AGENCIES BEFORE THE COMMENCEMENT OF WORK.
7. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER, ARCHITECT, CITY, AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, OR ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY EXCEPT FOR THE ADEQUACY OF HIS DESIGN CONTAINED HEREIN.
8. EXISTING A.C. PAVING AND/OR CONCRETE SHALL BE CUT TO A NEAT, STRAIGHT LINE (WHEN APPLICABLE). INITIAL CUT SHALL BE EQUAL TO THE WIDTH OF TRENCH, FINAL CUT SHALL BE 6" WIDER ON EACH SIDE PER CITY OF ATWATER STANDARD PLAN T-1. ALL EXPOSED VERTICAL SURFACES SHALL BE TACK COATED BELOW FINISH GRADE LINE WITH ASPHALT EMULSION PRIOR TO PAVING.
9. ALL SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR, IF DAMAGED, RESET BY A LICENSED LAND SURVEYOR.
10. ALL GRADING SHALL CONFORM TO CITY AND COUNTY GRADING ORDINANCE AND SHALL BE BE IN ACCORDANCE WITH 2013 CBC APPENDIX J AND ANY APPLICABLE CALTRANS SPECIFICATIONS.
11. NO GRADING SHALL BE ONTO ADJACENT PROPERTY WITHOUT WRITTEN PERMISSION OF PROPERTY OWNER.
12. THE CONTRACTOR SHALL OBTAIN A GRADING PERMIT AND ABIDE BY ALL CONDITIONS THEREOF AND PAY PERMIT FEES.
13. CONTRACTOR IS RESPONSIBLE FOR RESETTING EXISTING MONITORING WELLS, MANHOLES, CLEAN-OUTS, VALVE BOXES, UTILITY VAULTS, OR ANY OTHER STRUCTURES TO REMAIN TO FINISH GRADE AS NECESSARY.
14. UNLESS OTHERWISE NOTED, ALL CURBS SHALL HAVE A 6" CURB FACE. DRILL AND EPOXY REBAR WHEN ABUTTING EXISTING CURBS.
15. ASPHALTIC CONCRETE PAVEMENT SHALL BE PLACED IN TWO OR MORE LIFTS PER CITY STANDARD SPECIFICATIONS AND/OR CALTRANS SPECIFICATIONS.
16. THE CONTRACTOR SHALL REMOVE ALL ROOTS WITHIN 24" OF PROPOSED CONCRETE CURB, GUTTER, SIDEWALK AND DRIVEWAYS.

SHEET LEGEND

- EXISTING RIGHT OF WAY (APPROX.)
- EXISTING RIGHT OF WAY CENTERLINE (APPROX.)
- EXISTING PROPERTY LINE (APPROX.)
- 150.50 TC / 150.00 FL, .004 — PROPOSED TOP OF CURB & FLOWLINE
- PROPOSED SLOPE AND FLOW DIRECTION
- PROPOSED CURB, GUTTER AND SIDEWALK
- EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN
- PROPOSED ASPHALT PAVEMENT
- SAWCUT CLEAN EDGE
- 12" D — PROPOSED STORM DRAIN PIPE AND SIZE
- PROPOSED CATCH BASIN

CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale drawings. Any discrepancies shall be reported to the Engineer before proceeding with the work. Copyrights to all designs and drawings are the property of WHCE. Reproduction or publication thereof is expressly limited to the use for which they were prepared by WHCE, and publication thereof is forbidden. The drawings shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM/YY	Description	By	Appd.
Revision				

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
CONSTRUCTION PLAN
HERMAN STREET & SUNCREST STREET

Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Engineer's Signature:
Signature Date:

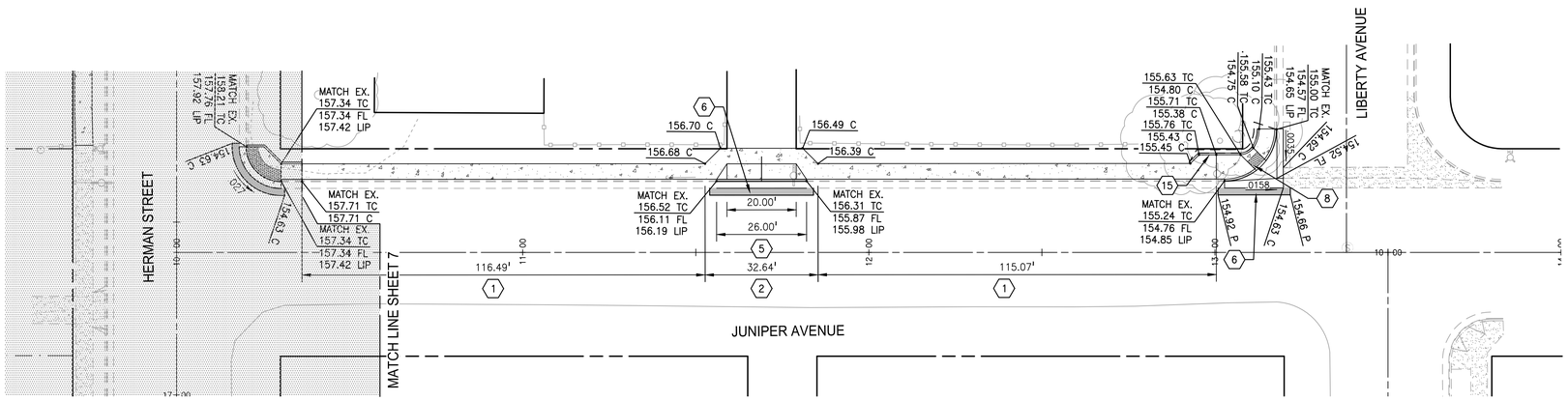
811
Know what's below.
Call before you dig.

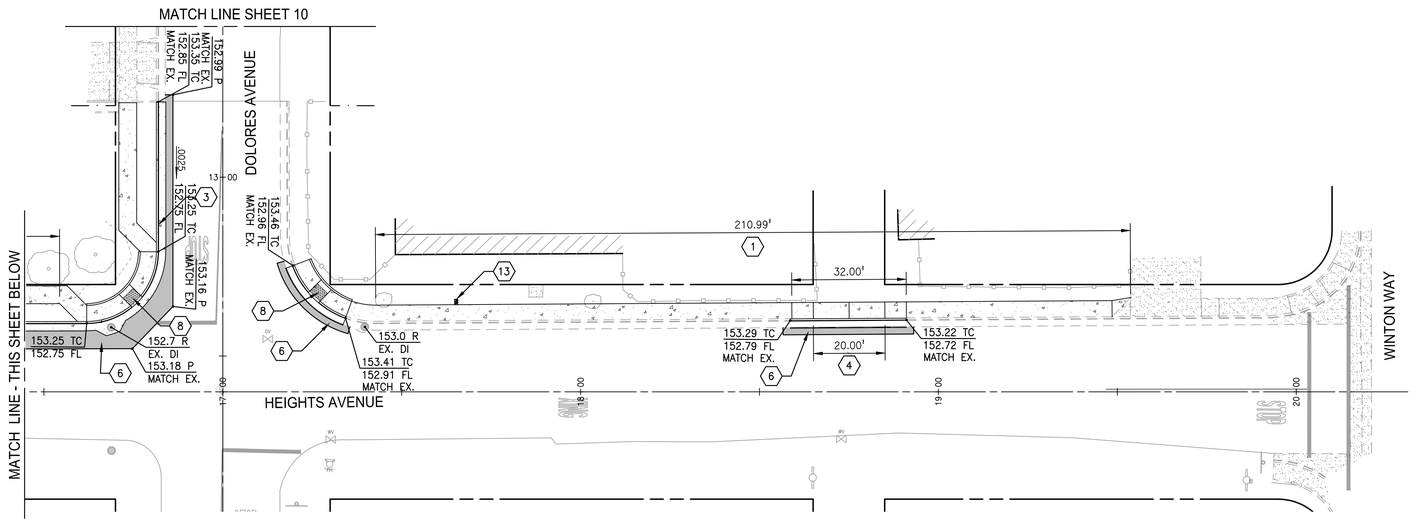
Project Engineer: ROBERT F. CHRISTENSEN			
Project Number: 1093-0800			
File Name: 07_IMP.dwg			
AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

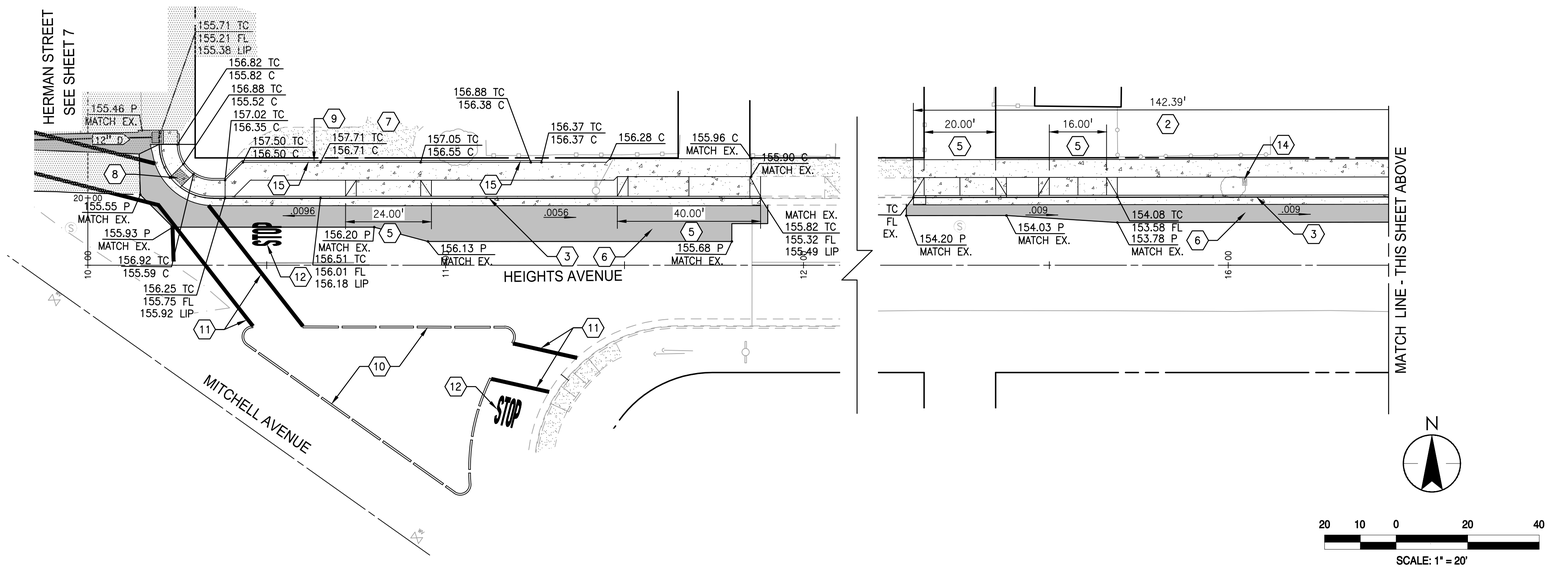
Sheet No.
7 of 13 sheets
CML-5254 (028)

W:\1093\0800\civil\planset_files\07_IMP.dwg
2020-4-17 12:43 By: dreed

ORIGINAL SHEET - ARCH D







20 10 0 20 40

SCALE: 1" = 20'

KEYNOTES

1. CONSTRUCT ATTACHED SIDEWALK PER CITY OF ATWATER STANDARD DETAIL SCG-2
2. CONSTRUCT DETACHED SIDEWALK PER CITY OF ATWATER STANDARD DETAIL SCG-2
3. CONSTRUCT 6" VERTICAL CURB AND GUTTER PER CALTRANS STANDARD DETAIL A87A, SHEET 11 (MAX. GUTTER SLOPE OF 5% AT ALL CURB RAMPS)
4. CONSTRUCT ALLEY APPROACH PER CITY OF ATWATER STANDARD DETAIL DR-1
5. CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH PER CALTRANS STANDARD PLAN A87A, SHEET 11
6. CONSTRUCT NEW PAVEMENT SECTION. 2.5" HMA ON 5.5" CLASS II A.B. ON NATIVE SOILS SCARIFIED AND RECOMPACTED TO 95% R.D. FOR A MINIMUM 6" DEPTH. REPLACEMENT AREA SHALL BE MINIMUM 2' WIDE, PARALLEL WITH NEW LIP OF GUTTER
7. CONSTRUCT CONCRETE DRIVEWAY TRANSITION. DISTANCE VARIES WITH A SLOPE NOT TO EXCEED 8%
8. CONSTRUCT ACCESSIBLE CURB RAMP PER CALTRANS STANDARD DETAIL A88A, SHEET 13
9. CONSTRUCTION ALONG THE FRONTAGE OF THIS PARCEL (2189 HEIGHTS AVENUE) IS ONLY ALLOWED WITHIN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL IDENTIFY THE RIGHT OF WAY PRIOR TO CONSTRUCTION AND NOTIFY THE PROPERTY OWNER 72 HOURS IN ADVANCE OF CONSTRUCTION. RETAINING CURB WILL BE INSTALLED AT A HEIGHT TO MATCH EXISTING GROUND.
10. CONSTRUCT HMA DIKE MEDIAN PER CALTRANS STANDARD DETAIL A87B, SHEET 11
11. INSTALL 12" WIDE WHITE CROSSWALK STRIPE
12. INSTALL STOP BAR AND LEGEND
13. INSTALL WATER METER PER CITY OF ATWATER STANDARD W-1
14. ADJUST EXISTING WATER METER BOX TO FINISH GRADE
15. CONSTRUCT 105 LF RETAINING CURB PER DETAIL 9, SHEET 13

CONSTRUCTION NOTES

1. THIS PLAN HAS BEEN REVIEWED BY THE CITY AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION. CIVIL ENGINEER & THE CITY MUST BE INFORMED IN WRITING OF ANY CHANGES MADE DURING CONSTRUCTION PRIOR TO EXECUTION OF THE SAID CHANGE.
2. ALL REVISIONS TO THIS PLAN MUST BE REVIEWED BY THE GOVERNING AGENCY(S) PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY THE APPROPRIATE GOVERNING AGENCY(S) PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
3. THE CONTRACTOR SHALL NOT PERFORM ANY EXCAVATION OPERATIONS UNTIL ALL UTILITY COMPANIES, STATE, COUNTY, AND CITY AGENCIES HAVE BEEN NOTIFIED AND GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO ASSUME ALL LIABILITY FOR ANY AND ALL DAMAGES WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO PHYSICALLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
5. ALL WORK SHALL BE PER OSHA AND APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
6. THE CONTRACTOR SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR OTHER PERMITS FROM ALL GOVERNING AGENCIES BEFORE THE COMMENCEMENT OF WORK.
7. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER, ARCHITECT, CITY, AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, OR ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY EXCEPT FOR THE ADEQUACY OF HIS DESIGN CONTAINED HEREIN.
8. EXISTING A.C. PAVING AND/OR CONCRETE SHALL BE CUT TO A NEAT, STRAIGHT LINE (WHEN APPLICABLE). INITIAL CUT SHALL BE EQUAL TO THE WIDTH OF TRENCH, FINAL CUT SHALL BE 6" WIDER ON EACH SIDE PER CITY OF ATWATER STANDARD PLAN T-1. ALL EXPOSED VERTICAL SURFACES SHALL BE TACK COATED BELOW FINISH GRADE LINE WITH ASPHALT EMULSION PRIOR TO PAVING.
9. ALL SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR, IF DAMAGED, RESET BY A LICENSED LAND SURVEYOR.
10. ALL GRADING SHALL CONFORM TO CITY AND COUNTY GRADING ORDINANCE AND SHALL BE BE IN ACCORDANCE WITH 2013 CBC APPENDIX J AND ANY APPLICABLE CALTRANS SPECIFICATIONS.
11. NO GRADING SHALL BE ONTO ADJACENT PROPERTY WITHOUT WRITTEN PERMISSION OF PROPERTY OWNER.
12. THE CONTRACTOR SHALL OBTAIN A GRADING PERMIT AND ABIDE BY ALL CONDITIONS THEREOF AND PAY PERMIT FEES.
13. CONTRACTOR IS RESPONSIBLE FOR RESETTING EXISTING MONITORING WELLS, MANHOLES, CLEAN-OUTS, VALVE BOXES, UTILITY VAULTS, OR ANY OTHER STRUCTURES TO REMAIN TO FINISH GRADE AS NECESSARY.
14. UNLESS OTHERWISE NOTED, ALL CURBS SHALL HAVE A 6" CURB FACE. DRILL AND EPOXY REBAR WHEN ABUTTING EXISTING CURBS.
15. ASPHALTIC CONCRETE PAVEMENT SHALL BE PLACED IN TWO OR MORE LIFTS PER CITY STANDARD SPECIFICATIONS AND/OR CALTRANS SPECIFICATIONS.
16. THE CONTRACTOR SHALL REMOVE ALL ROOTS WITHIN 24" OF PROPOSED CONCRETE CURB, GUTTER, SIDEWALK AND DRIVEWAYS.

SHEET LEGEND

- EXISTING RIGHT OF WAY (APPROX.)
- EXISTING RIGHT OF WAY CENTERLINE (APPROX.)
- EXISTING PROPERTY LINE (APPROX.)
- 150.50 TC / 150.00 FL — PROPOSED TOP OF CURB & FLOWLINE
- .004 — PROPOSED SLOPE AND FLOW DIRECTION
- PROPOSED CURB, GUTTER AND SIDEWALK
- EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN
- PROPOSED ASPHALT PAVEMENT
- SAWCUT CLEAN EDGE
- 12" D — PROPOSED STORM DRAIN PIPE AND SIZE
- PROPOSED CATCH BASIN

CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawings. Any discrepancies shall be reported to the engineer immediately. Copyrights to all designs and drawings are the property of WHCE. Reproduction or use for any purpose other than that authorized by WHCE is forbidden. The planning shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM/YY	Description	By	Appd.

Revision

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
CONSTRUCTION PLAN
JUNIPER AVENUE & HEIGHTS VENUE

Engineer's Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Robert F. Christensen
Engineer's Signature:
Signature Date:

811
Know what's below.
Call before you dig.

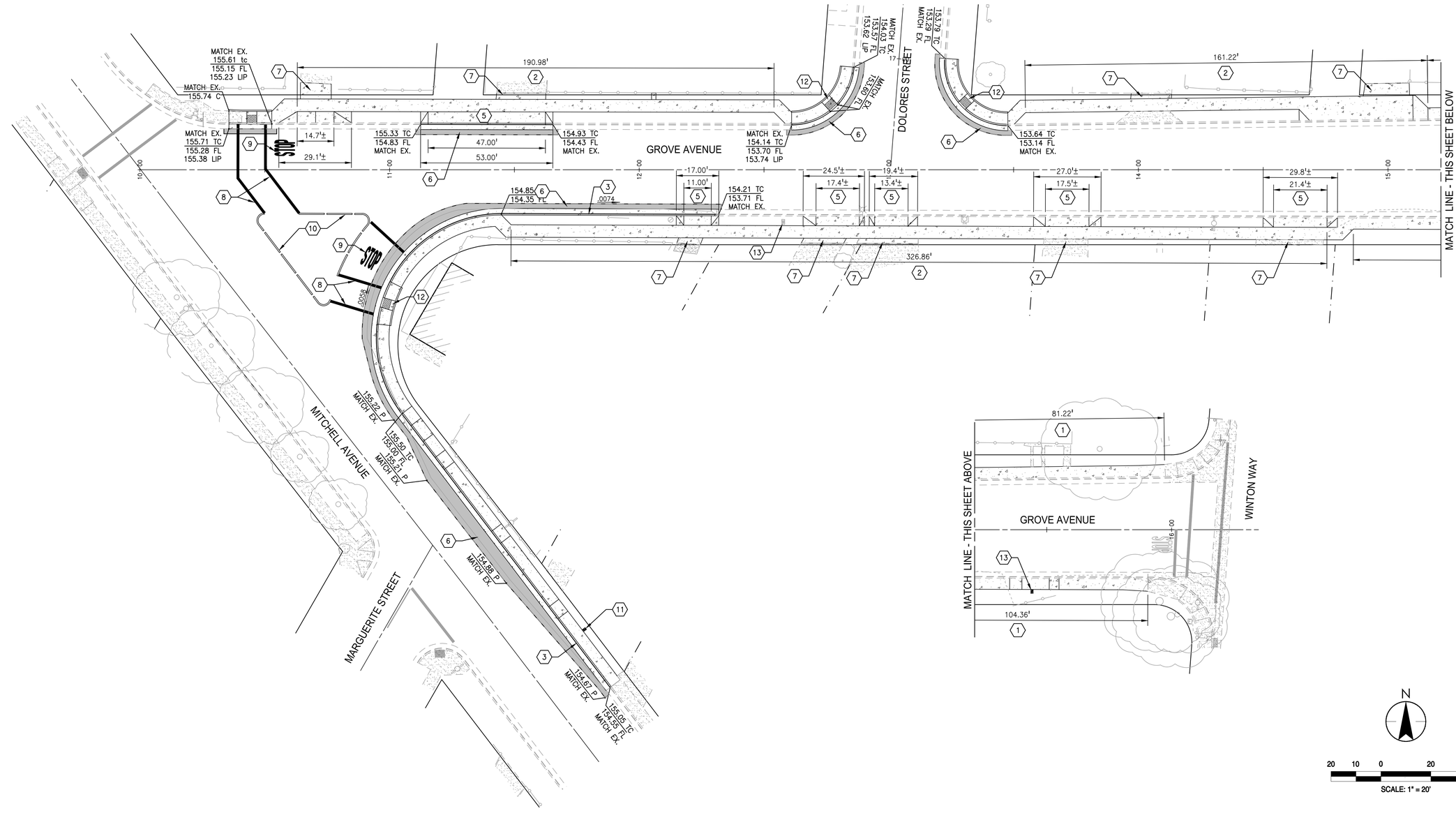
Project Engineer:	ROBERT F. CHRISTENSEN
Project Number:	1093-0800
File Name:	08_IMP.dwg

Dwn.	Chkd.	Dsgn.	MM.DD.YY
AR	RFC	AR	04.28.20

Sheet No.

8 of 13 sheets
CML-5254 (028)

W:\1093\0800\civil\sheet_files\08_IMP.dwg
2020-6-17 12:44 By: creed
ORIGINAL SHEET - ARCH D



N

20 10 0 20 40

SCALE: 1" = 20'

KEYNOTES

1. CONSTRUCT ATTACHED SIDEWALK PER CITY OF ATWATER STANDARD DETAIL SCG-2
2. CONSTRUCT DETACHED SIDEWALK PER CITY OF ATWATER STANDARD DETAIL SCG-2
3. CONSTRUCT 6" VERTICAL CURB AND GUTTER PER CALTRANS STANDARD DETAIL A87A, SHEET 11 (MAX. GUTTER SLOPE OF 5% AT ALL CURB RAMPS)
4. CONSTRUCT ALLEY APPROACH PER CITY OF ATWATER STANDARD DETAIL DR-1, SHEET 11
5. CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH PER CALTRANS STANDARD DETAIL A87A, SHEET 11
6. CONSTRUCT NEW PAVEMENT SECTION. 2.5" HMA ON 5.5" CLASS II AB ON NATIVE SOILS SCARIFIED AND RECOMPACTED TO 95% R.D. FOR A MINIMUM 6" DEPTH. REPLACEMENT AREA SHALL BE MINIMUM 2' WIDE, PARALLEL WITH NEW LIP OF GUTTER
7. CONSTRUCT CONCRETE DRIVEWAY TRANSITION. DISTANCE VARIES WITH A SLOPE NOT TO EXCEED 8%
8. INSTALL 12" WIDE WHITE CROSSWALK STRIPE
9. INSTALL BAR AND LEGEND
10. CONSTRUCT HMA DIKE PER CALTRANS STANDARD DETAIL A87B, SHEET 11
11. RELOCATE WATER METER PER CITY OF ATWATER STANDARD W-1
12. CONSTRUCT ACCESSIBLE CURB RAMP PER CALTRANS STANDARD DETAIL A88A, SHEET 12
13. ADJUST EXISTING WATER METER BOX TO FINISH GRADE

CONSTRUCTION NOTES

1. THIS PLAN HAS BEEN REVIEWED BY THE CITY AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION. CIVIL ENGINEER & THE CITY MUST BE INFORMED IN WRITING OF ANY CHANGES MADE DURING CONSTRUCTION PRIOR TO EXECUTION OF THE SAID CHANGE.
2. ALL REVISIONS TO THIS PLAN MUST BE REVIEWED BY THE GOVERNING AGENCY(S) PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY THE APPROPRIATE GOVERNING AGENCY(S) PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
3. THE CONTRACTOR SHALL NOT PERFORM ANY EXCAVATION OPERATIONS UNTIL ALL UTILITY COMPANIES, STATE, COUNTY, AND CITY AGENCIES HAVE BEEN NOTIFIED AND GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO ASSUME ALL LIABILITY FOR ANY AND ALL DAMAGES WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO PHYSICALLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
5. ALL WORK SHALL BE PER OSHA AND APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
6. THE CONTRACTOR SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR OTHER PERMITS FROM ALL GOVERNING AGENCIES BEFORE THE COMMENCEMENT OF WORK.
7. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER, ARCHITECT, CITY, AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, OR ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY EXCEPT FOR THE ADEQUACY OF HIS DESIGN CONTAINED HEREIN.
8. EXISTING A.C. PAVING AND/OR CONCRETE SHALL BE CUT TO A NEAT, STRAIGHT LINE (WHEN APPLICABLE). INITIAL CUT SHALL BE EQUAL TO THE WIDTH OF TRENCH, FINAL CUT SHALL BE 6" WIDER ON EACH SIDE PER CITY OF ATWATER STANDARD PLAN T-1. ALL EXPOSED VERTICAL SURFACES SHALL BE TACK COATED BELOW FINISH GRADE LINE WITH ASPHALT EMULSION PRIOR TO PAVING.
9. ALL SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR, IF DAMAGED, RESET BY A LICENSED LAND SURVEYOR.
10. ALL GRADING SHALL CONFORM TO CITY AND COUNTY GRADING ORDINANCE AND SHALL BE BE IN ACCORDANCE WITH 2013 CBC APPENDIX J AND ANY APPLICABLE CALTRANS SPECIFICATIONS.
11. NO GRADING SHALL BE ONTO ADJACENT PROPERTY WITHOUT WRITTEN PERMISSION OF PROPERTY OWNER.
12. THE CONTRACTOR SHALL OBTAIN A GRADING PERMIT AND ABIDE BY ALL CONDITIONS THEREOF AND PAY PERMIT FEES.
13. CONTRACTOR IS RESPONSIBLE FOR RESETTING EXISTING MONITORING WELLS, MANHOLES, CLEAN-OUTS, VALVE BOXES, UTILITY VAULTS, OR ANY OTHER STRUCTURES TO REMAIN TO FINISH GRADE AS NECESSARY.
14. UNLESS OTHERWISE NOTED, ALL CURBS SHALL HAVE A 6" CURB FACE. DRILL AND EPOXY REBAR WHEN ABUTTING EXISTING CURBS.
15. ASPHALTIC CONCRETE PAVEMENT SHALL BE PLACED IN TWO OR MORE LIFTS PER CITY STANDARD SPECIFICATIONS AND/OR CALTRANS SPECIFICATIONS.
16. THE CONTRACTOR SHALL REMOVE ALL ROOTS WITHIN 24" OF PROPOSED CONCRETE CURB, GUTTER, SIDEWALK AND DRIVEWAYS.

SHEET LEGEND

- EXISTING RIGHT OF WAY (APPROX.)
- EXISTING RIGHT OF WAY CENTERLINE (APPROX.)
- EXISTING PROPERTY LINE (APPROX.)
- 150.50 TC / 150.00 FL / .004 — PROPOSED TOP OF CURB & FLOWLINE
- PROPOSED SLOPE AND FLOW DIRECTION
- PROPOSED CURB, GUTTER AND SIDEWALK
- EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN
- PROPOSED ASPHALT PAVEMENT
- SAWCUT CLEAN EDGE
- 12" D — PROPOSED STORM DRAIN PIPE AND SIZE
- PROPOSED CATCH BASIN

CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawings. Any discrepancies shall be reported to the Engineer before proceeding with the work. Copyrights to all designs and drawings are the property of WHCE. Reproduction or publication by any method, in whole or in part, is prohibited. Title to the plans remains with WHCE. In which conditions, The plans are not to be used by the Contractor, until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.
Revision				

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
CONSTRUCTION PLAN
GROVE AVENUE & MITCELL AVENUE

Engineer's Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Engineer's Signature:
Signature Date:

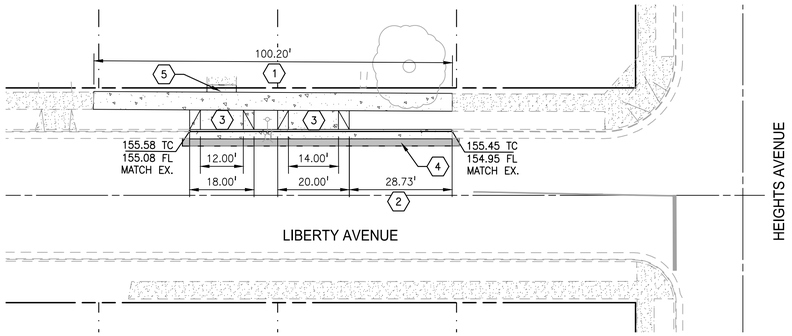
811
Know what's below.
Call before you dig.

Project Engineer: ROBERT F. CHRISTENSEN			
Project Number: 1093-0800			
File Name: 09_IMP.dwg			
AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

Sheet No.
9 of 13 sheets
CML-5254 (028)

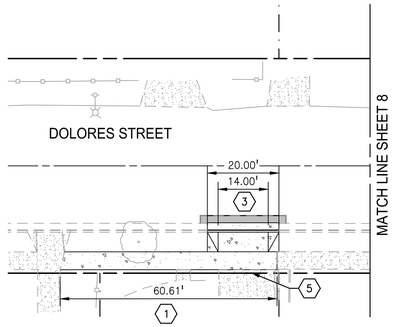
W:\1093\0800\civil\plansheet_files\09_IMP.dwg
2020-6-17 12:45 By: orreed

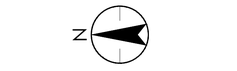
ORIGINAL SHEET - ARCH D



20 10 0 20 40

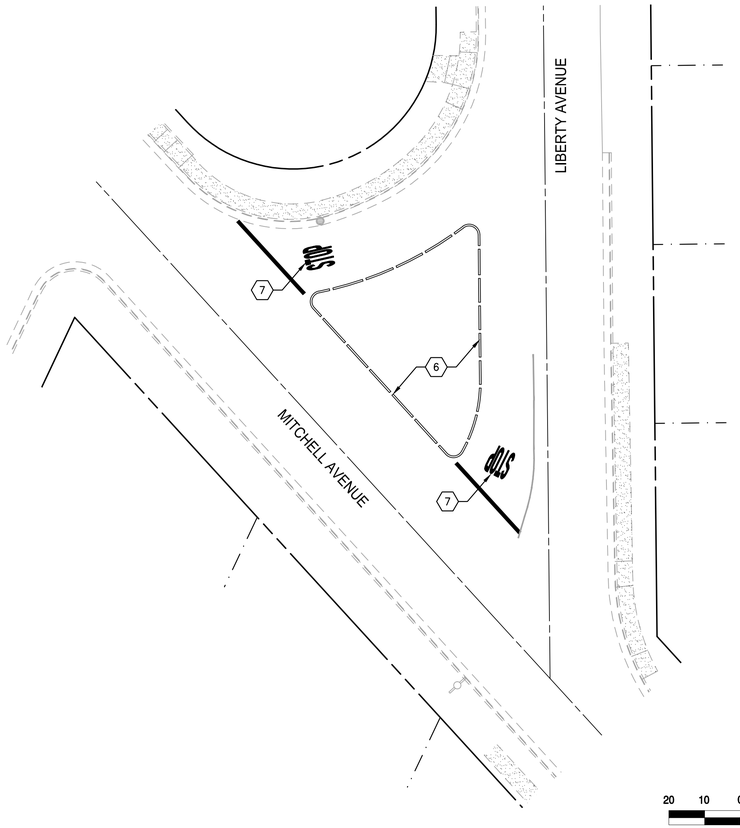
SCALE: 1" = 20'





20 10 0 20 40

SCALE: 1" = 20'



20 10 0 20 40

SCALE: 1" = 20'

KEYNOTES (#)

1. CONSTRUCT DETACHED SIDEWALK PER CITY OF ATWATER STANDARD DETAIL SCG-2
2. CONSTRUCT 6" VERTICAL CURB AND GUTTER PER CALTRANS STANDARD DETAIL A87A, SHEET 11 (MAX. GUTTER SLOPE OF 5% AT ALL CURB RAMPS)
3. CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH PER CALTRANS STANDARD DETAIL A87A, SHEET 11
4. CONSTRUCT NEW PAVEMENT SECTION. 2.5" HMA ON 5.5" CLASS II A.B. ON NATIVE SOILS SCARIFIED AND RECOMPACTED TO 95% R.D. FOR A MINIMUM 6" DEPTH. REPLACEMENT AREA SHALL BE MINIMUM 2' WIDE, PARALLEL WITH NEW LIP OF GUTTER
5. CONSTRUCT CONCRETE DRIVEWAY TRANSITION. DISTANCE VARIES WITH A SLOPE NOT TO EXCEED 8%
6. CONSTRUCT HMA DIKE PER CALTRANS STANDARD DETAIL A87B, SHEET 11
7. INSTALL STOP BAR AND LEGEND
8. NOT USED

CONSTRUCTION NOTES

1. THIS PLAN HAS BEEN REVIEWED BY THE CITY AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION. CIVIL ENGINEER & THE CITY MUST BE INFORMED IN WRITING OF ANY CHANGES MADE DURING CONSTRUCTION PRIOR TO EXECUTION OF THE SAID CHANGE.
2. ALL REVISIONS TO THIS PLAN MUST BE REVIEWED BY THE GOVERNING AGENCY(S) PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY THE APPROPRIATE GOVERNING AGENCY(S) PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
3. THE CONTRACTOR SHALL NOT PERFORM ANY EXCAVATION OPERATIONS UNTIL ALL UTILITY COMPANIES, STATE, COUNTY, AND CITY AGENCIES HAVE BEEN NOTIFIED AND GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO ASSUME ALL LIABILITY FOR ANY AND ALL DAMAGES WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO PHYSICALLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
5. ALL WORK SHALL BE PER OSHA AND APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
6. THE CONTRACTOR SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR OTHER PERMITS FROM ALL GOVERNING AGENCIES BEFORE THE COMMENCEMENT OF WORK.
7. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER, ARCHITECT, CITY, AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, OR ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY EXCEPT FOR THE ADEQUACY OF HIS DESIGN CONTAINED HEREIN.
8. EXISTING A.C. PAVING AND/OR CONCRETE SHALL BE CUT TO A NEAT, STRAIGHT LINE (WHEN APPLICABLE). INITIAL CUT SHALL BE EQUAL TO THE WIDTH OF TRENCH, FINAL CUT SHALL BE 6" WIDER ON EACH SIDE PER CITY OF ATWATER STANDARD PLAN T-1. ALL EXPOSED VERTICAL SURFACES SHALL BE TACK COATED BELOW FINISH GRADE LINE WITH ASPHALT EMULSION PRIOR TO PAVING.
9. ALL SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR, IF DAMAGED, RESET BY A LICENSED LAND SURVEYOR.
10. ALL GRADING SHALL CONFORM TO CITY AND COUNTY GRADING ORDINANCE AND SHALL BE BE IN ACCORDANCE WITH 2013 CBC APPENDIX J AND ANY APPLICABLE CALTRANS SPECIFICATIONS.
11. NO GRADING SHALL BE ONTO ADJACENT PROPERTY WITHOUT WRITTEN PERMISSION OF PROPERTY OWNER.
12. THE CONTRACTOR SHALL OBTAIN A GRADING PERMIT AND ABIDE BY ALL CONDITIONS THEREOF AND PAY PERMIT FEES.
13. CONTRACTOR IS RESPONSIBLE FOR RESETTING EXISTING MONITORING WELLS, MANHOLES, CLEAN-OUTS, VALVE BOXES, UTILITY VAULTS, OR ANY OTHER STRUCTURES TO REMAIN TO FINISH GRADE AS NECESSARY.
14. UNLESS OTHERWISE NOTED, ALL CURBS SHALL HAVE A 6" CURB FACE. DRILL AND EPOXY REBAR WHEN ABUTTING EXISTING CURBS.
15. ASPHALTIC CONCRETE PAVEMENT SHALL BE PLACED IN TWO OR MORE LIFTS PER CITY STANDARD SPECIFICATIONS AND/OR CALTRANS SPECIFICATIONS.
16. THE CONTRACTOR SHALL REMOVE ALL ROOTS WITHIN 24" OF PROPOSED CONCRETE CURB, GUTTER, SIDEWALK AND DRIVEWAYS.

SHEET LEGEND

- EXISTING RIGHT OF WAY (APPROX.)
- EXISTING RIGHT OF WAY CENTERLINE (APPROX.)
- EXISTING PROPERTY LINE (APPROX.)
- 150.50 TC / 150.00 FL — PROPOSED TOP OF CURB & FLOWLINE
- .004 — PROPOSED SLOPE AND FLOW DIRECTION
- PROPOSED CURB, GUTTER AND SIDEWALK
- EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN
- PROPOSED ASPHALT PAVEMENT
- SAWCUT CLEAN EDGE
- 12" D — PROPOSED STORM DRAIN PIPE AND SIZE
- PROPOSED CATCH BASIN

CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawings. Any discrepancies shall be reported to WHCE before proceeding with the work. Copyrights to all designs and drawings are the property of WHCE. Reproduction or publication thereof is expressly limited to the use for the original specified building by WHCE. Any other use is prohibited. The drawings shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.

Revision

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
CONSTRUCTION PLAN
LIBERTY AVENUE & DOLORES STREET

Engineer's Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Engineer's Signature:

Signature Date:

811
Know what's below.
Call before you dig.

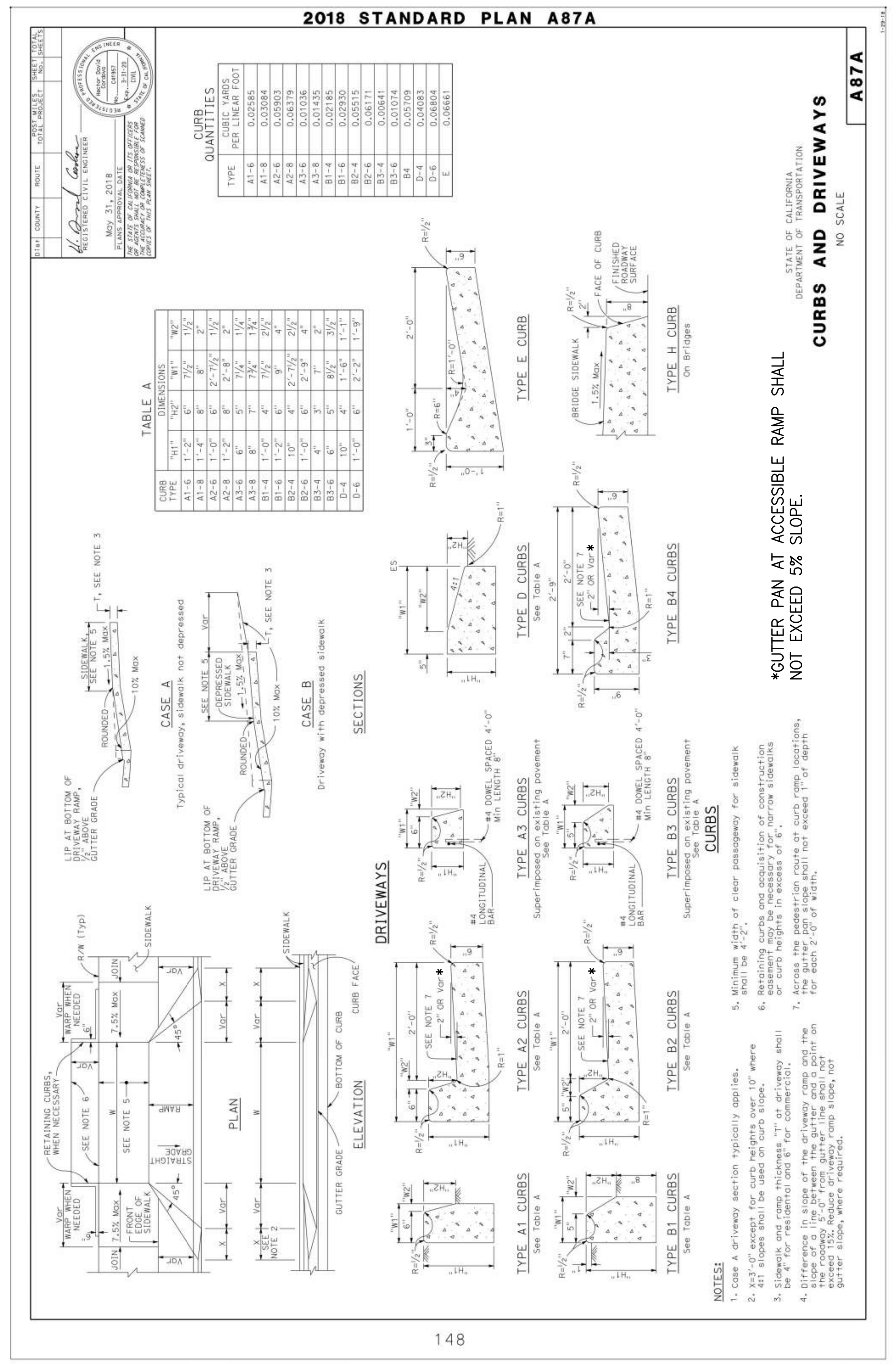
Project Engineer: ROBERT F. CHRISTENSEN			
Project Number: 1093-0800			
File Name: 10_IMP.dwg			
AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

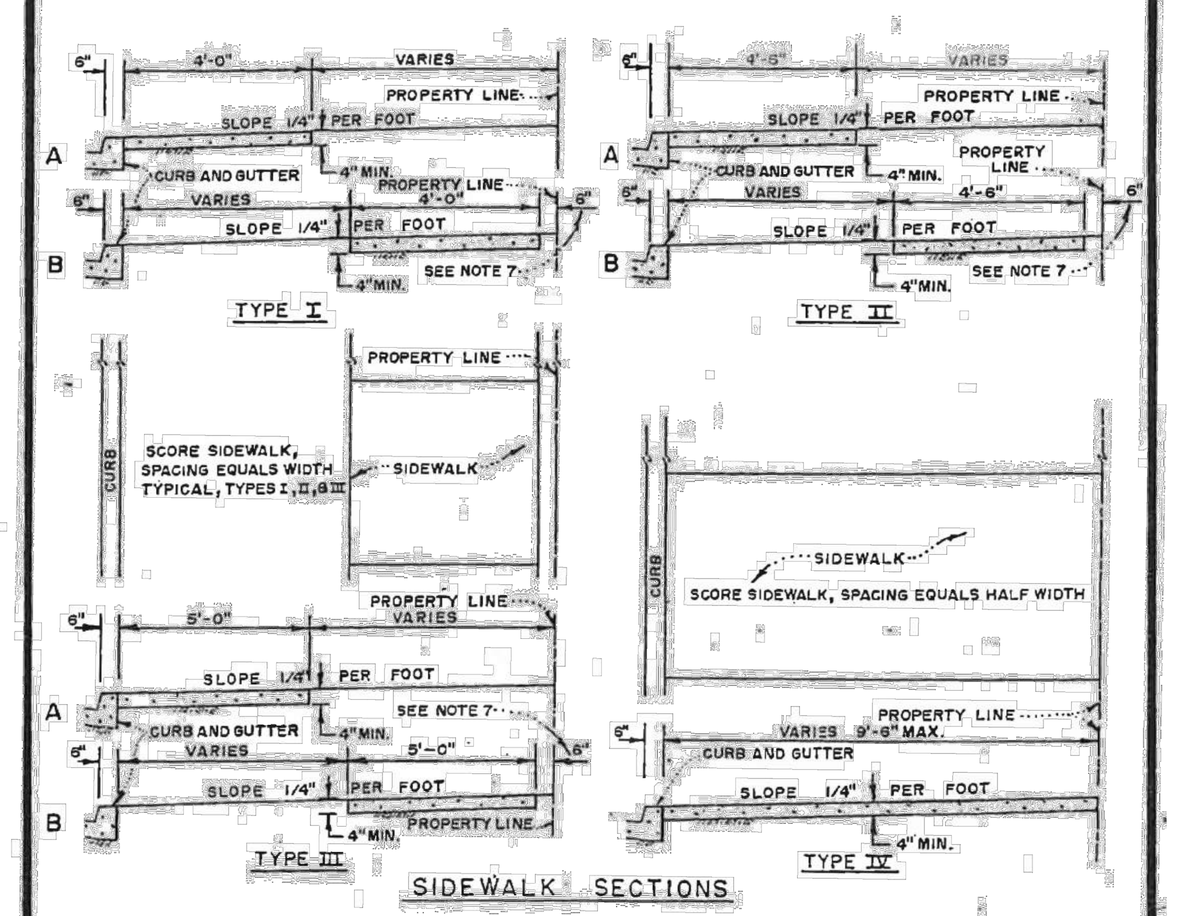
Sheet No.

10 of 13 sheets
CML-5254 (028)

W:\1093\0800\civil\sheet_files\10_IMP.dwg
2020-6-17 12:45 By: jcreed

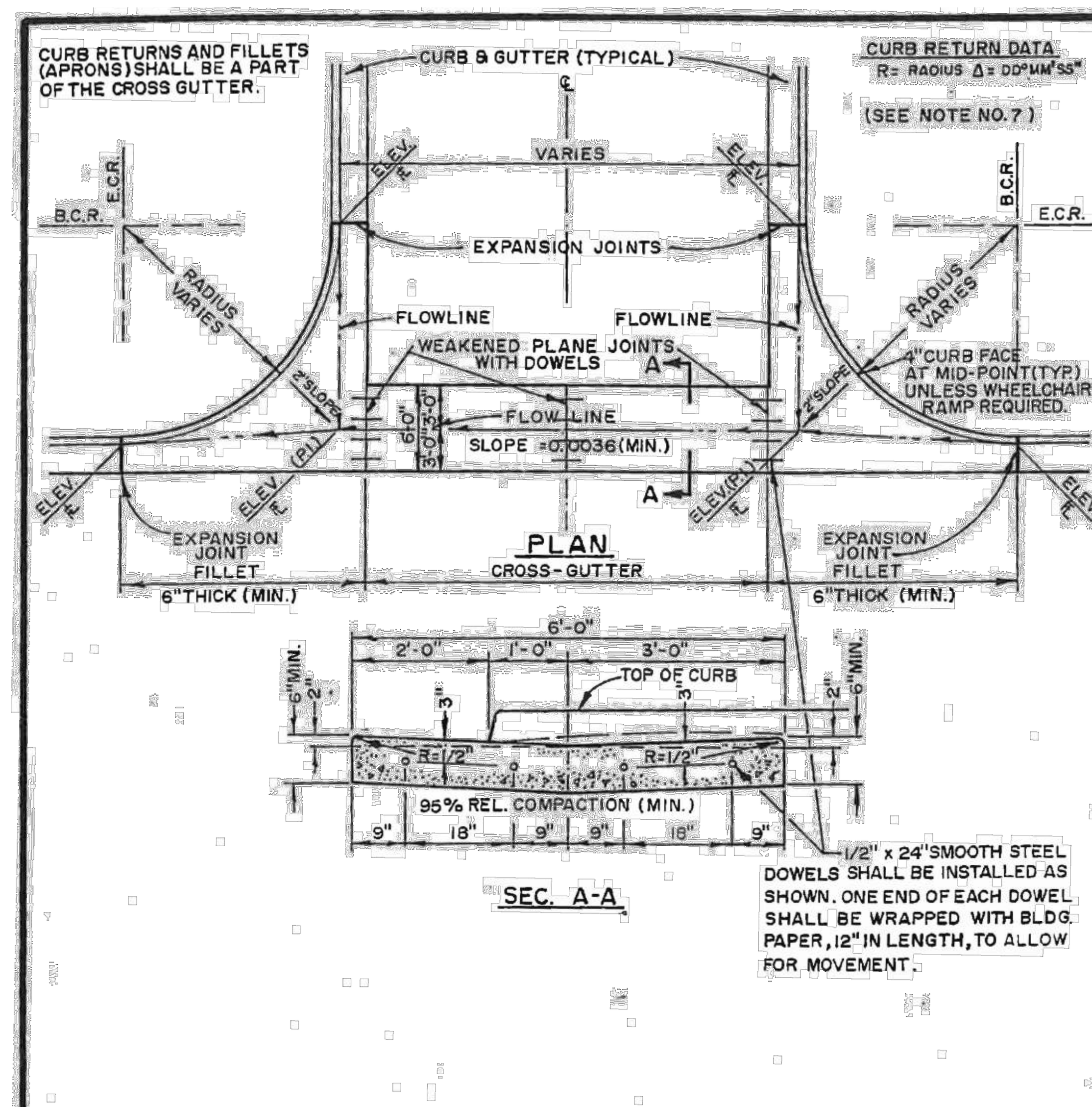
ORIGINAL SHEET - ARCH D





NOTES:
1. CONCRETE FOR SIDEWALKS SHALL BE CLASS "B" (5 SACK) PORTLAND CEMENT CONCRETE CONFORMING TO THE PROVISIONS OF SECTION 90, STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, LATEST EDITION, AND TO THE DIMENSIONS SHOWN HEREON.
2. SUBGRADE SHALL BE THOROUGHLY WATERED AND MECHANICALLY COMPACTED TO 90% RELATIVE COMPACTION. SUBGRADE AND FORMS SHALL BE THOROUGHLY WATERED PRIOR TO PLACEMENT OF CONCRETE.
3. EXPANSION JOINTS 1/2" THICK SHALL BE PLACED AT CURB RETURNS AND AT 30' MAXIMUM INTERVALS.
4. SIDEWALKS SHALL BE SCREEDED TO SECTION, COMPACTED WITH METAL GRID TO GIVE A LAYER OF MORTAR 3/8" THICK ON THE SURFACE, FINISHED WITH A WOODEN FLOAT TO A MAXIMUM VARIATION OF 1/8" FROM THE EDGE OF A 5 FOOT STRAIGHTEDGE, TROWELED SMOOTH AND FINISHED WITH A FINE HAIR PUSH BROOM TRANSVERSE TO THE DIRECTION OF TRAFFIC.
5. CONCRETE SHALL BE CURED BY IMMEDIATE APPLICATION OF A WHITE PIGMENTED CURING COMPOUND.
6. SCORE MARKS SHALL BE 1/4" DEEP, SPACED AS SHOWN HEREON, AND TRUE TO LINE.
7. WHERE SIDEWALK EXISTS ADJACENT TO PROPOSED CONSTRUCTION, SAWCUT EXISTING AS DIRECTED, REMOVE AND REPLACE EXISTING, AND MAINTAIN EXISTING ALIGNMENT, UNLESS REQUIRED OTHERWISE.

ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: STANDARD SIDEWALK DETAILS — STANDARD PLAN SCG-2
DRN. HED — DATE 10/81 — REV.
APPROVED BY: WIN WESTFALL, CITY ENGINEER — DATE: 5-18-82

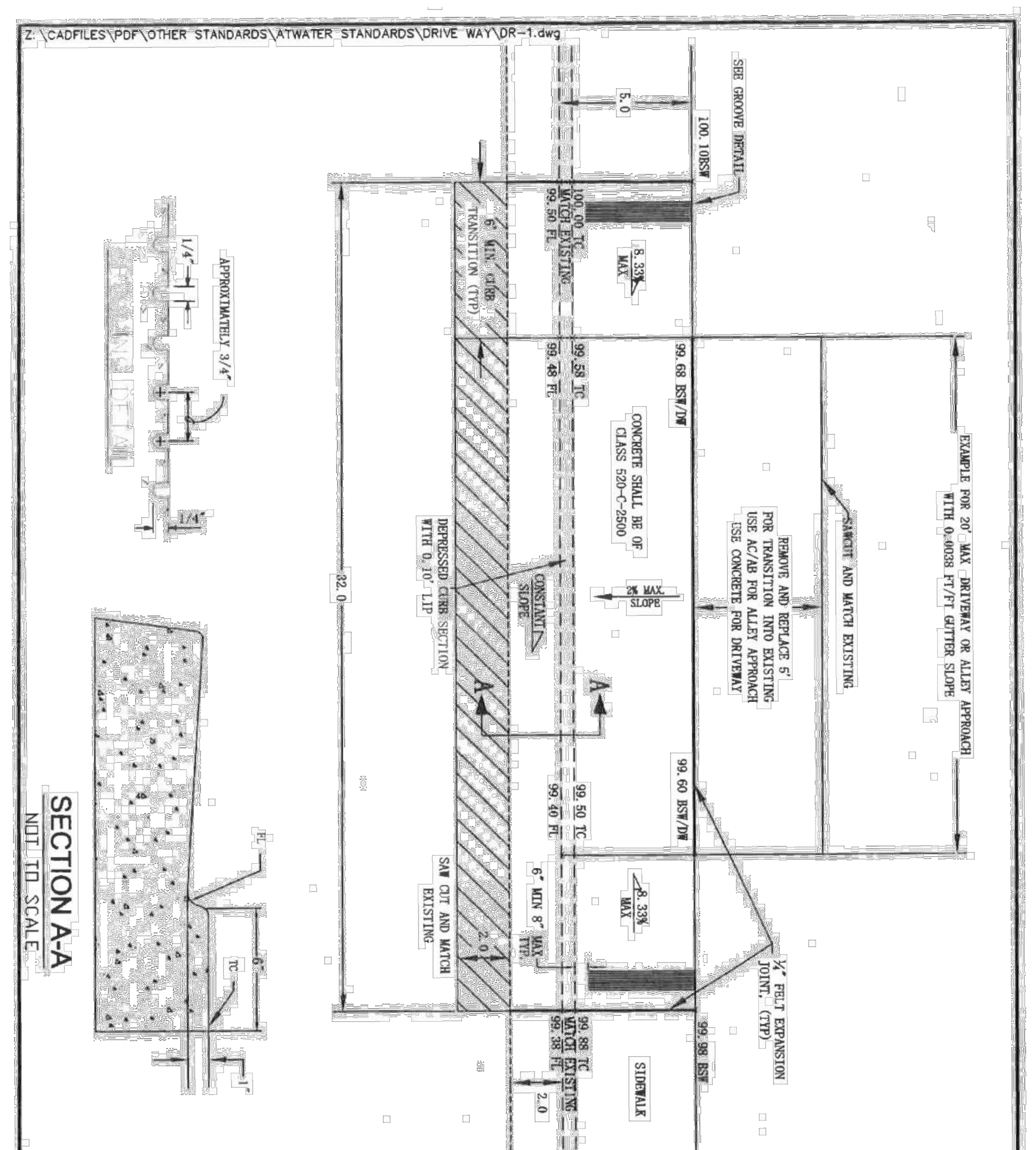


NOTES:
1. CONCRETE SHALL BE CLASS "B" (5 SACK), MAX. 4" SLUMP.
2. A WHITE PIGMENTED CURING COMPOUND SHALL BE ADEQUATELY APPLIED.
3. AN APPROVED SOIL STERILANT SHALL BE APPLIED TO SUB-GRADE PRIOR TO CONSTRUCTION.
4. 1 1/2" DEEP WEAKENED PLANE JOINTS SHALL BE INSTALLED AT SHOWN LOCATIONS.
5. INSTALL PREFORMED EXPANSION JOINTS, 1/2" WIDE, AT ALL CURB RETURNS.
6. GUTTER FLOWLINES SHALL BE TROWEL FINISHED SMOOTH.
7. CURB RETURN DATA AND STATIONING OF RETURNS SHALL BE SHOWN ON ALL IMPROVEMENT PLANS, EXCEPT FOR RIGHT ANGLE (90°) INTERSECTIONS.

ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: CROSS GUTTER AND FILLETS — STANDARD PLAN SCG-3
DRN. H.E.D. — DATE 5/81 — REV. 6/82
APPROVED BY: WIN WESTFALL, CITY ENGINEER — DATE 5-18-82

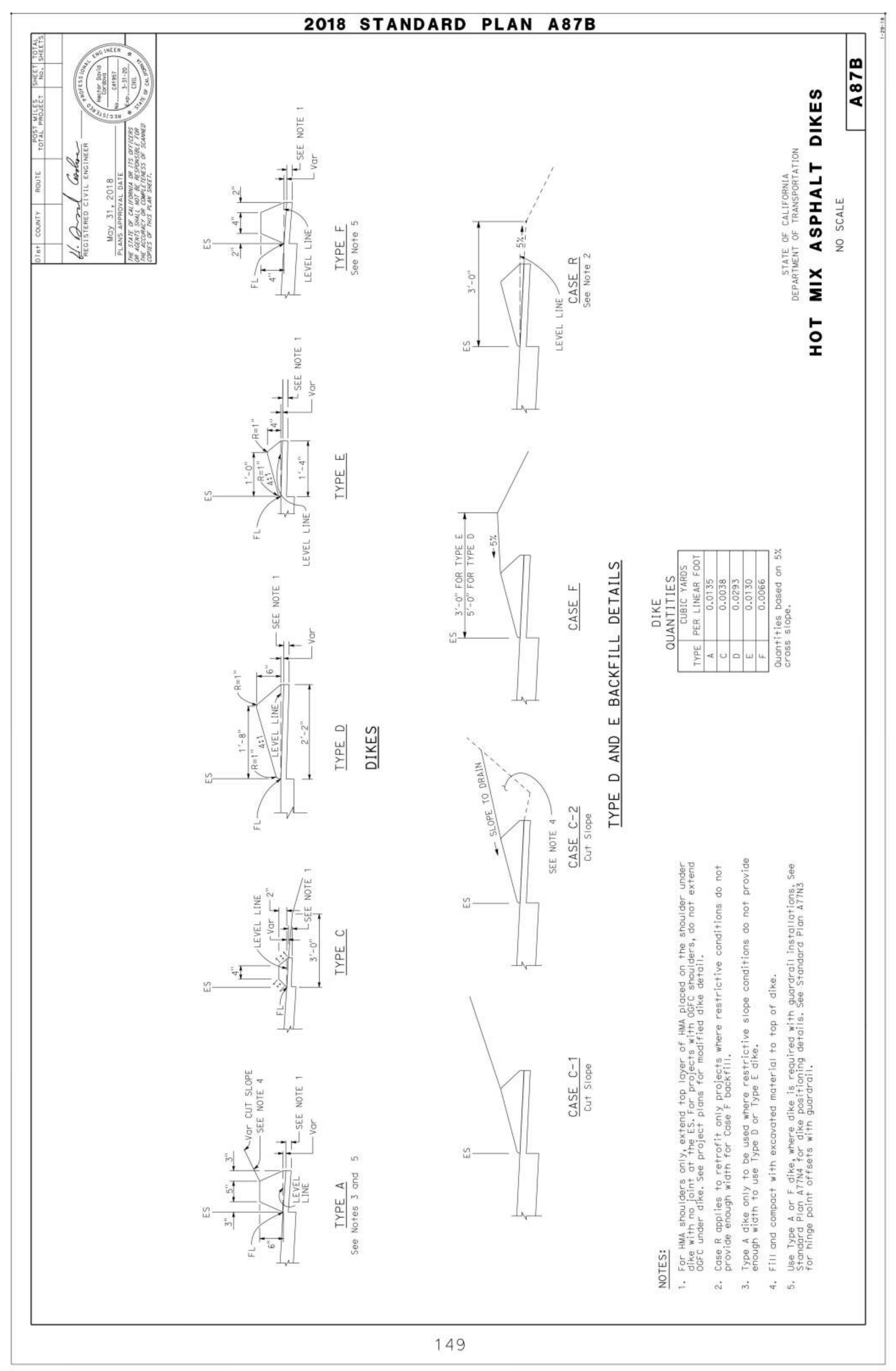
1. Concrete shall be 5 sack mix (Class B), Section 90, State of California, Business and Transportation Agency, Department of Transportation, Standard Specifications, latest edition.
2. Concrete shall have a maximum slump of 4 inches.
3. One-half-inch felt expansion joints to be installed at 60-foot intervals and control joints at 10 feet O.C; joints in sidewalk to be in alignment with those in the curb and gutter when the two are adjacent.
4. Subgrade under all curbs, gutters, sidewalks, and driveway approaches shall be compacted to 90 percent relative compaction to a depth of 6 inches. Moisture content of the soil shall be at optimum or above before concrete is placed.
5. Sidewalk shall be scored as shown on Standard Plan SCG-2 or as directed.
6. Concrete shall be treated with a white pigmented curing compound (Section 90-7.01B).
7. One-half-inch felt expansion joint to be used at end of curb returns at curb and sidewalk.
8. Curb returns shall normally have a 25-foot radius, unless otherwise approved on the plans.
9. Sidewalks are to be constructed in new subdivisions after underground utilities are in place.

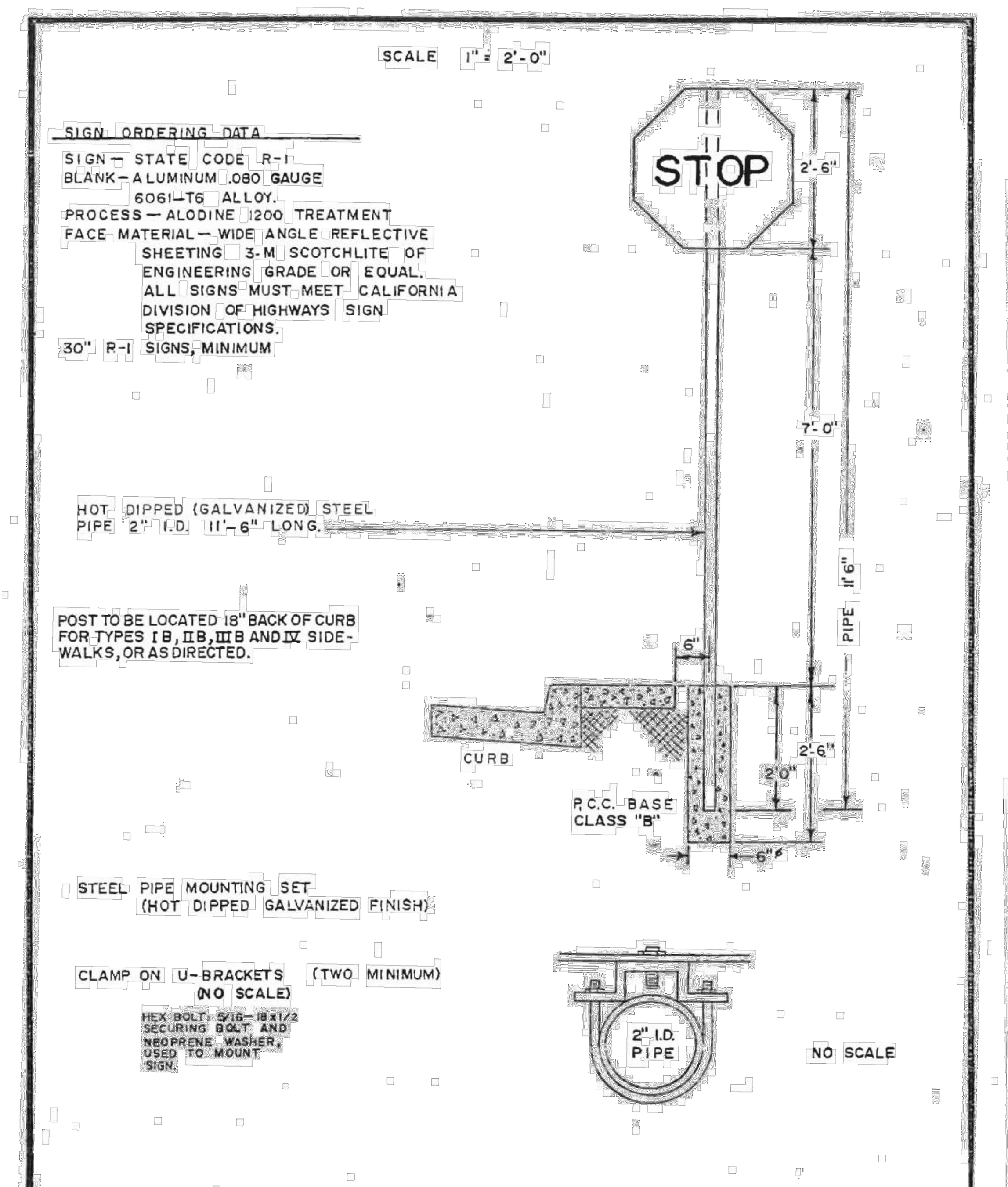
ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: GENERAL REQUIREMENTS - SIDEWALK, CUBB & GUTTER — STANDARD PLAN SCG-4
DRN. — DATE — REV.
APPROVED BY: WIN WESTFALL, CITY ENGINEER — DATE: 5-18-82



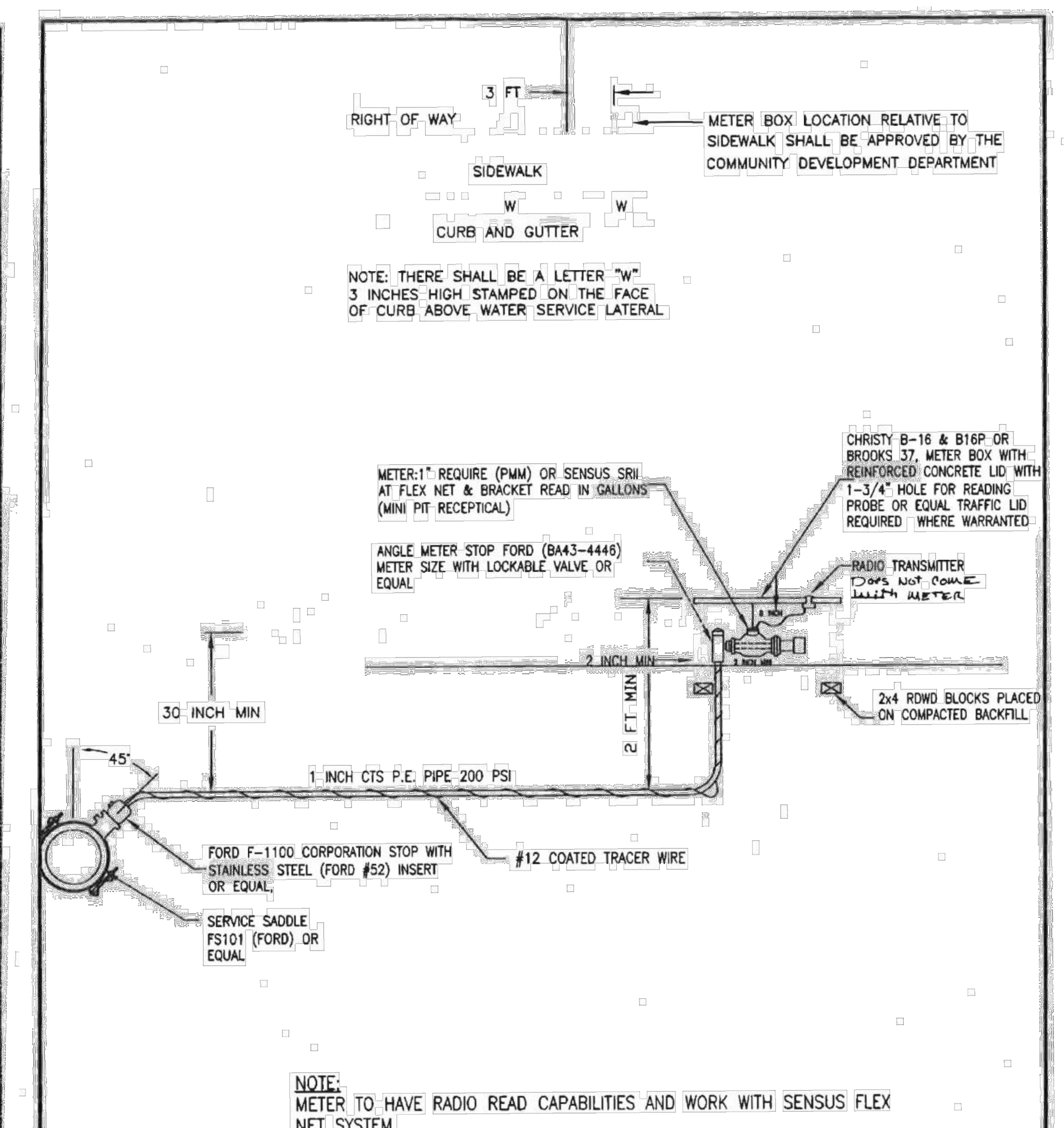
~~EXAMPLE DRIVEWAY~~
~~OR~~ ALLEY APPROACH DETAIL

CITY OF ATWATER — STANDARD DETAIL
DRAWN: R. GARCIA — DATE: 09/15/2011 — SCALE: 1:5 — NO. DR-1
APPROVED — COMMUNITY DEVELOPMENT DEPARTMENT
REV — 1:5 — BY





ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: STOP SIGN — STANDARD PLAN M-3
DRN. PVT — DATE — REV.
APPROVED BY: WIN WESTFALL, CITY ENGINEER — DATE: 5-18-82



NOTE:
METER TO HAVE RADIO READ CAPABILITIES AND WORK WITH SENSUS FLEX NET SYSTEM

WATER SERVICE
ONE INCH DIAMETER

CITY OF ATWATER — STANDARD DETAIL
DRAWN: R. GARCIA — DATE: 06/05/2012 — SCALE: NTS — NO. WA-01
APPROVED — COMMUNITY DEVELOPMENT DEPARTMENT
REV. — BY

WHCE CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale drawing. Any errors or omissions shall be reported to WHCE without delay. Copyrights to all designs and drawings are the property of WHCE. Reproduction or use in whole or in part for any purpose other than that authorized in writing by WHCE is strictly forbidden. This drawing shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.

Revision

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
CONSTRUCTION DETAILS

Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER — ROBERT FRANCIS CHRISTENSEN — C63087 — EXP. 06-30-20 — CIVIL — STATE OF CALIFORNIA
Engineer's Signature: Robert F. Christensen
Signature Date:

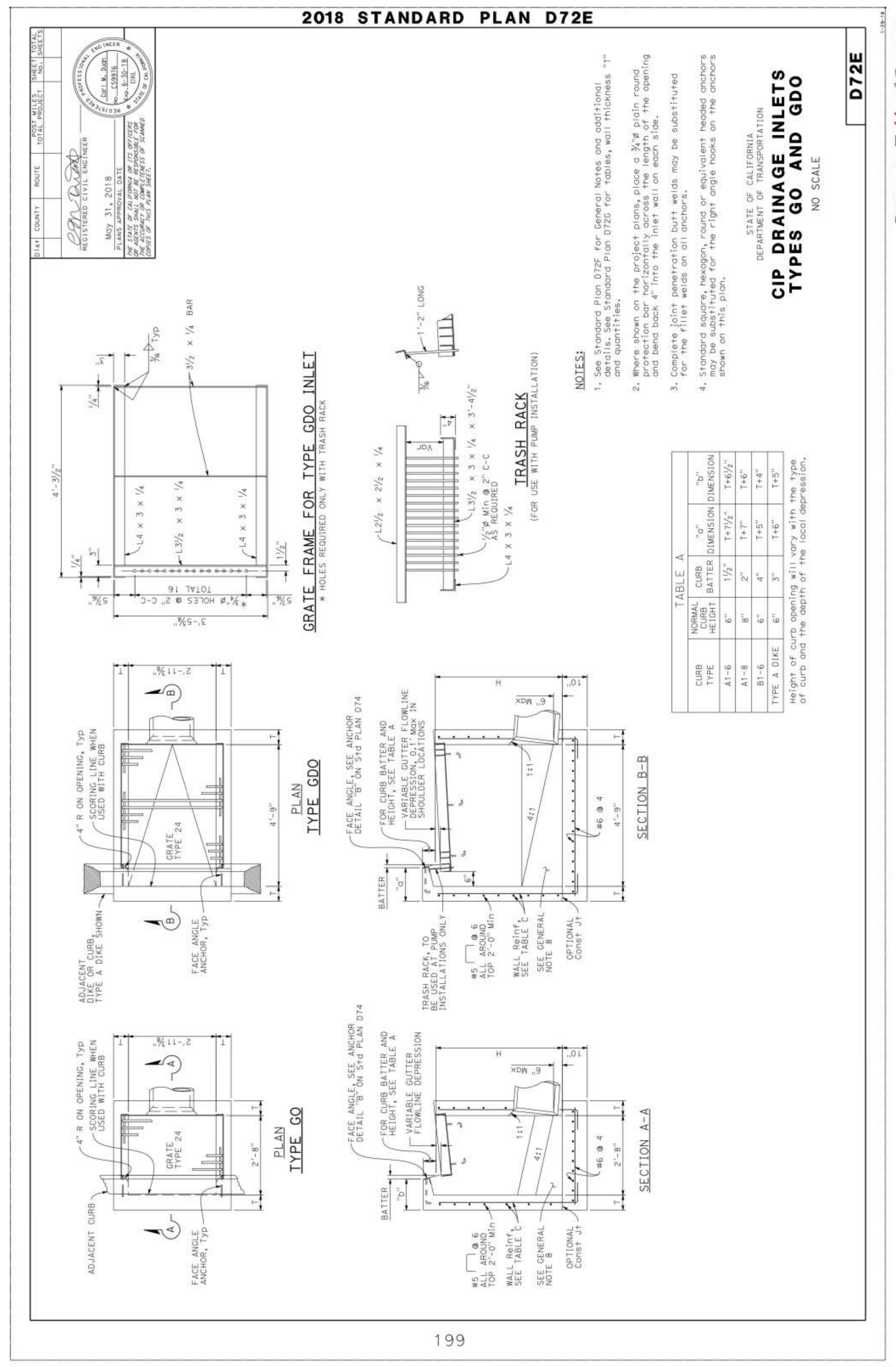
811 Know what's below. Call before you dig.

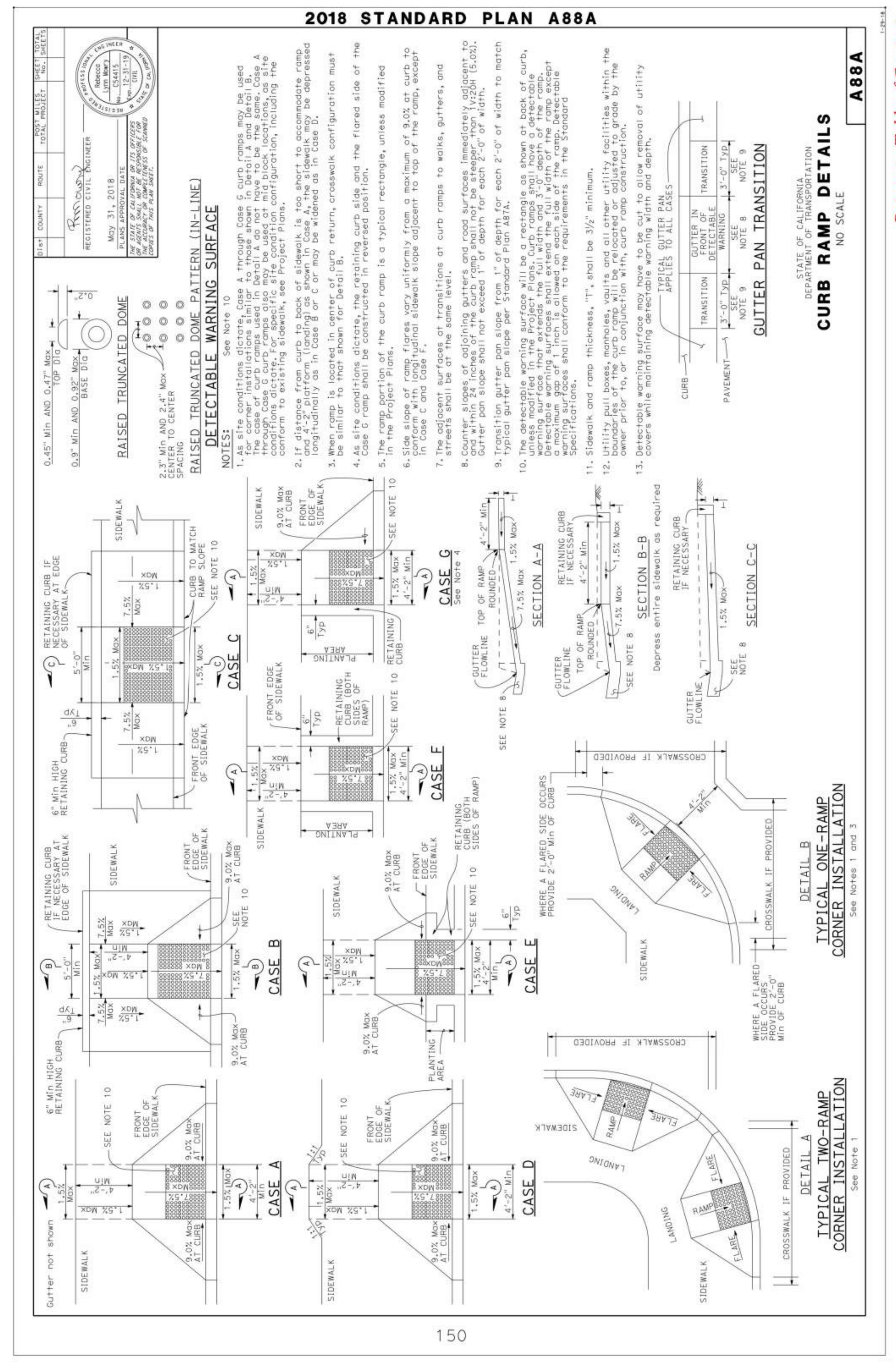
Project Engineer: ROBERT F. CHRISTENSEN
Project Number: 1093-0800
File Name: 11_DTLS.dwg

AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

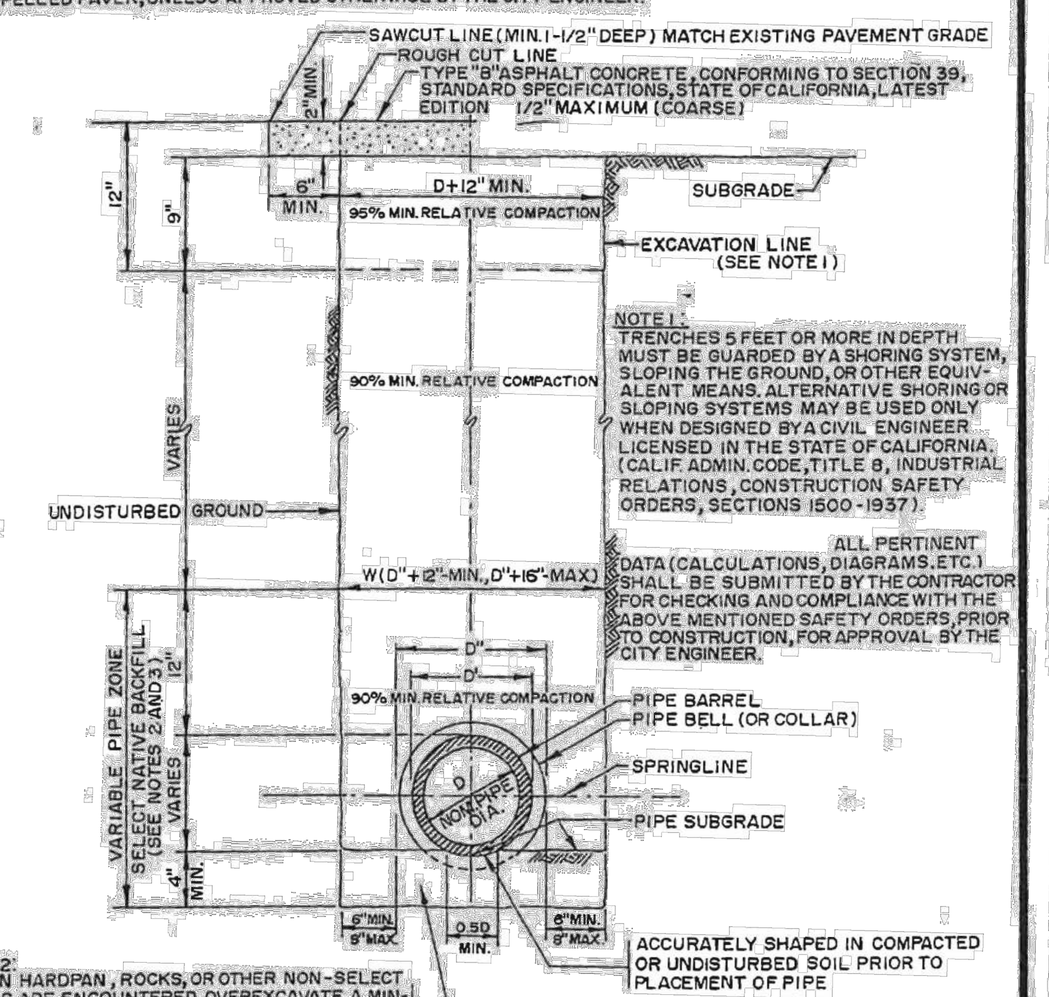
Sheet No.
11 of 13 sheets
CML-5254 (028)

W:\10930800\civil\ip\sheet_files\11_DTLS.dwg)
2020-6-17 12:46 By: areed
ORIGINAL SHEET – ARCH D





PAVEMENT SHALL BE ROUGH CUT AND REMOVED FROM SITE PRIOR TO EXCAVATION. UPON COMPLETED BACKFILL AND COMPACTION, AND IMMEDIATELY PRIOR TO PAVING, PAVEMENT SHALL BE SAWCUT PARALLEL WITH, OR AT RIGHT ANGLES TO, THE TRUE CENTERLINE OF THE TRENCH. SAWCUTS SHALL BE DONE TO EXACT LINES SNAPPED WITH A CHALK LINE. EXCESS PAVEMENT REMOVED BEYOND THE MINIMUM ESTABLISHED LINES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. IMMEDIATELY PRIOR TO PAVING, A TACK COAT SHALL BE EVENLY APPLIED TO ALL VERTICAL FACES. NEW PAVEMENT SHALL BE LAID BY A SELF-PROPELLED PAVER, UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.



NOTE 2:
WHEN HARDPAN, ROCKS, OR OTHER NON-SELECT SOILS ARE ENCOUNTERED, OVEREXCAVATE A MINIMUM OF 4", OR AS DIRECTED, REPLACE WITH COMPACTED NATIVE TO 90% MIN. RELATIVE COMPACTION, TO PIPE SUBGRADE.

NOTE 3:
WHEN GROUNDWATER IS ENCOUNTERED, CRUSHED ROCK (1/4" MIN., 3/4" MAX.) SHALL BE USED IN THE PIPE ZONE. THE SAME PERTAINS TO ANY UNSTABLE SOIL CONDITIONS.

MAXIMUM LIFT THICKNESS FOR BEDDING AND BACKFILL SHALL BE 8" (0.67') BEFORE COMPACTION. NO PONDING OR JETTING WILL BE ALLOWED WITHOUT THE APPROVAL OF THE CITY ENGINEER.

ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: TRENCH EXCAVATION AND BACKFILL — STANDARD PLAN T-1
DRN. HED — DATE 10/81 — REV.
APPROVED BY: Win Westfall — WIN WESTFALL, CITY ENGINEER — DATE: 5-18-82

Trenching: All excavations shall be made in accordance with the Trench Construction Safety Orders issued by the Division of Industrial Safety of the Department of Industrial Relations of the State of California. Adequate provision shall be made for protection of the traveling public on all public roads affected by said excavations.

The Contractor shall perform all excavations necessary or required to construct all manholes and all pipelines as specified by the City Engineer and as approved on the plans. Excavation shall include the removal of all materials of whatever nature encountered. Excavation shall be by open trench unless otherwise specified, following neat, parallel lines equi-distant from the centerline. The maximum width of trench at the level of the springline of the pipe to be laid therein shall not exceed the width of the outside diameter of the barrel of the pipe plus 16 inches. Such width of trench shall be kept as small as practical while providing sufficient working space for joining the pipe and for placing backfill material.

Where trenching necessitates removing portions of paved streets, the pavement at the edge of the proposed trench shall be rough cut in a neat straight line, prior to paving, sawcuts to be 1-1/2 inch minimum depth and 6 inches wider than each side of the trench walls (City Std. Dwg. T-1).

Sawcuts shall be done with a saw capable of cutting a minimum of 1-1/2 inches in depth. The sawing shall be done to the exact lines snapped with a chalk line. (Should the saw line be broken or damaged in any way after the required cut, any additional sawing required shall be done at the contractor's sole expense).

After pipe has been properly laid and inspected, select native backfill material shall be placed around pipe at a depth of 12 inches above top of pipe and shall be thoroughly compacted to final density of at least 90 percent maximum density, in such a manner as not to injure or disturb pipe, before any further backfill will be allowed. When unstable soils or goundwater is encountered, the pipe zone shall be backfilled with crushed rock (1/4" minimum, 3/4" maximum). All excavation within the existing street roadbed shall be backfilled and compacted until the relative compaction is not less than 95 percent within the top 12 inches and 90 percent below the top 12 inches. Backfill material shall be placed in layers not to exceed 8 inches in depth and moistened as necessary before compaction. Each layer shall be thoroughly tamped, rolled, or otherwise compacted and brought to grade. Backfill in trenches between back of curb and property line shall be thoroughly consolidated to final density of at least 90 percent of maximum density. Compaction of backfill material by ponding or jetting will not be permitted. Field density may be determined by any method accepted by the City Engineer.

Excessive native material and broken pavement shall become the property of the contractor and shall be disposed of off limits of the work at a location to be provided by the contractor and approved by the Engineer.

ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: TRENCHING AND BACKFILL REQUIREMENTS — STANDARD PLAN T-2
DRN. — DATE — REV. 6/82
APPROVED BY: Win Westfall — WIN WESTFALL, CITY ENGINEER — DATE: 6-15-82

Trenching (cont'd)

The cost of compaction retests shall be the responsibility of the contractor.

All work of excavation or backfilling in a public street or alley shall be done as quickly as possible. Not more than 600 linear feet of trench shall be open ahead of any sewer, pipeline or conduit in any street or alley, except that upon written permission of the City Engineer such trenches may be opened for a distance of not more than 1,200 linear feet where public traffic will not be seriously inconvenienced. No excavation or trench shall be opened and left open more than 24 hours before the installation of the sewer, pipeline or conduit which is to be placed in said excavation or trench; and the backfilling of said excavation or trench shall be completed within 24 hours after the installation of the facility for which the excavation was made, excepting that portion of the trench or excavation to be used for connecting the extension of the installation, provided said portion is adequately barricaded, protected, and backfilled the following working day. Excavations or trenches for poured-in-place concrete pipe may remain open for a period not to exceed 7 days, providing said excavations or trenches are adequately barricaded, and access is provided for abutting property owners and at all street intersections.

Where an excavation or trench crosses a street or alley intersection, the excavation and backfilling shall be completed prior to the end of the working day, or bridging capable of supporting vehicular traffic shall be provided for access across said excavation or trench.

An excavation within a street or alley for the purpose of boring or jacking pits or for the installation of structures shall be properly barricaded and protected and may be left open for a period of 7 days and then must be backfilled, unless an extension of time is approved by the City Engineer in writing.

Within 24 hours after the trench has been backfilled, all street crossings shall be surfaced with temporary surfacing of 1-1/2 inches of cold mix surfacing mixed in a central plant. Such surfacing shall remain in place and be maintained until the permanent surfacing is placed.

Permanent pavement shall be placed within 45 days of placement of temporary pavement or prior to expiration of permit, whichever comes first.

Surface shall consist of Type B asphalt concrete 1/2 inch maximum (coarse), with a compacted thickness of not less than 3 inches, or the thickness shown on the standard street section, whichever is greater. Street section shall conform to existing pavement unless otherwise specified.

These standards must be used for all types of utility trenches in streets and curb sections.

No street or alley closure will be permitted without prior written approval of the City Engineer.

ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: TRENCHING AND BACKFILL REQUIREMENTS — STANDARD PLAN T-3
DRN. — DATE — REV.
APPROVED BY: Win Westfall — WIN WESTFALL, CITY ENGINEER — DATE: 5-18-82

DEPTH OF COVER (FEET): 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Dia.	Mat'l & Class	Bedding Type	Maximum trench width (as printed on chart)
6" DIA	VCP 2000	I	24"
		II	27"
8" DIA.	VCP 2200	I	24"
		II	30" — 27"
10" DIA.	VCP 2400	I	30" — 27"
		II	30"
12" DIA	VCP 2600	I	30" — 27"
		II	33" — 30"

27" — Maximum trench width measured at top of pipe.

No limit on trench width.

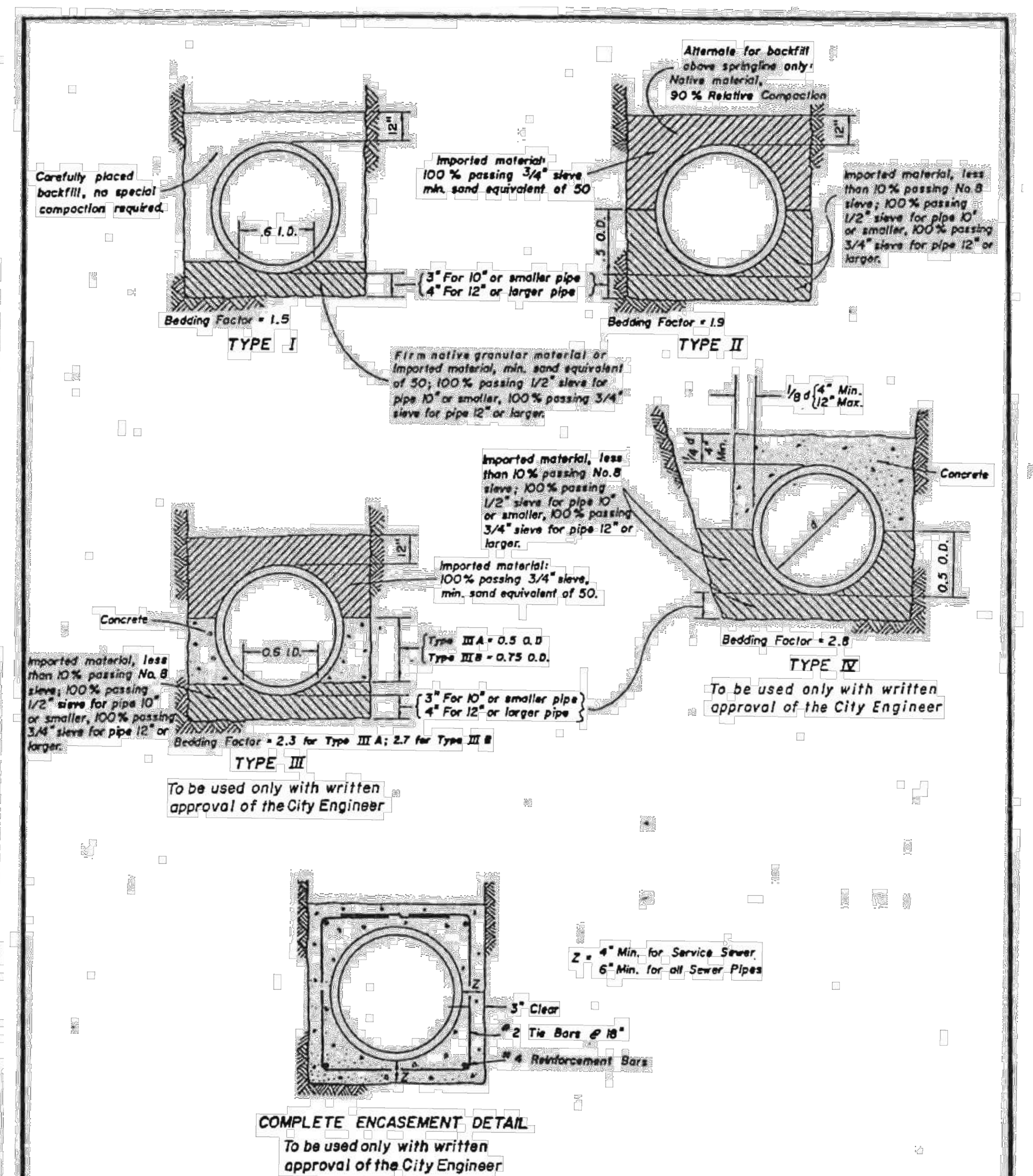
Pipe class, bedding type, and depth of cover not acceptable.

NOTES

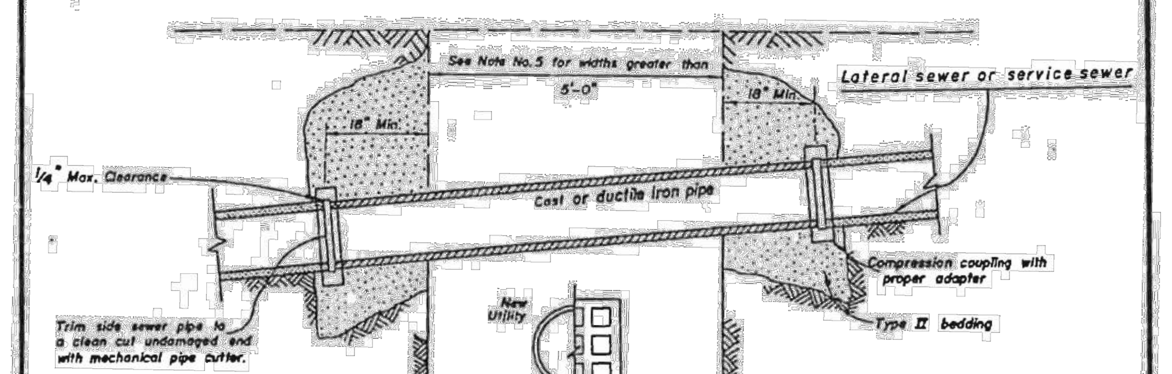
For depths less than 3 feet or more than 25 feet, provide calculations.

Calculations based on soil wt. 130 lb/ft.^{3} saturated clay. ($K\mu$=0.110)

ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: MAXIMUM TRENCH WIDTH — STANDARD PLAN T-4
DRN. — DATE — REV.
APPROVED BY: Win Westfall — WIN WESTFALL, CITY ENGINEER — DATE: 5-18-82



ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: PIPE BEDDING & INITIAL BACKFILL — STANDARD PLAN T-5
DRN. — DATE — REV. 6/82
APPROVED BY: Win Westfall — WIN WESTFALL, CITY ENGINEER — DATE: 5-18-82



NOTES

1. Inside diameter of cast or ductile iron pipe to be the same as the pipe to which it connects.
2. Cast or ductile iron pipe is to be used as per this detail whenever the lateral or service sewer is cut or damaged.
3. Cast or ductile iron pipe is to be used as per this detail whenever construction passes beneath the lateral or service sewer.
4. Alteration of sewer grades will be permitted only after written permission has been received from the City Engineer.
5. Whenever the span, whether caused by trench width or crossing angle, of the cast or ductile iron pipe exceeds 5'-0", place Type II bedding to 6" above the pipe and 18" each side of its centerline.

ENGINEERING DIVISION — CITY OF ATWATER, CALIF.
TITLE: UTILITY CROSSING — STANDARD PLAN T-7
DRN. — DATE — REV.
APPROVED BY: Win Westfall — WIN WESTFALL, CITY ENGINEER — DATE: 5-18-82

WHCE CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale drawing. Any errors or omissions shall be reported to WHCE without delay. Copyrights to all designs and drawings are the property of WHCE. Reproduction or use in whole or in part for any purpose other than that authorized in writing by WHCE is strictly forbidden. This drawing shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.
Revision				

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
CONSTRUCTION DETAILS

Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER — ROBERT FRANCIS CHRISTENSEN — C63087 — EXP. 06-30-20 — CIVIL — STATE OF CALIFORNIA
Robert F. Christensen
Engineer's Signature:
Signature Date:

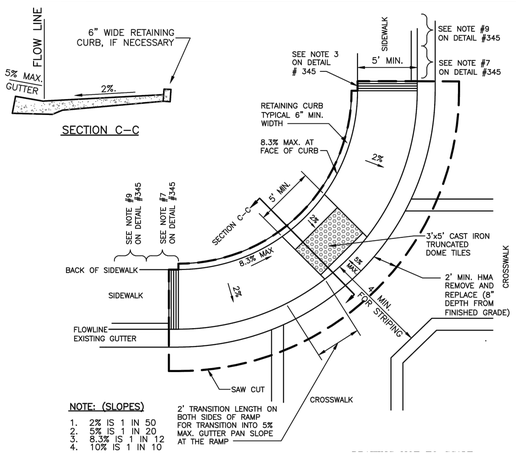
Know what's below. Call before you dig.

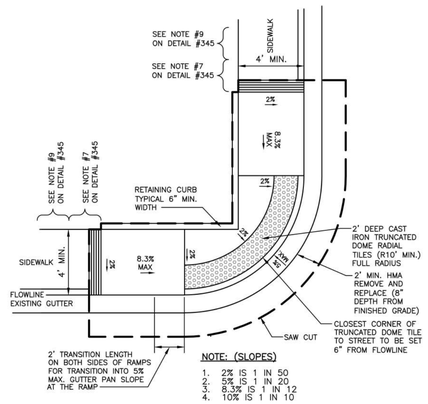
Project Engineer: ROBERT F. CHRISTENSEN
Project Number: 1093-0800
File Name: 12_DTLS.dwg

AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

Sheet No.
12 of 13 sheets
CML-5254 (028)

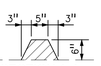
W:\10930800\civil\ip\sheet_files\12_DTLS.dwg)
2020-6-17 12:47 By: areed
ORIGINAL SHEET – ARCH D

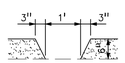


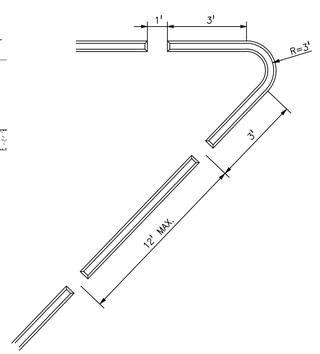


NOTES:
1. THE LOWER END OF EACH RAMP SHALL BE FLUSH WITH GUTTER.
2. THE RAMPS SHALL HAVE TRUNCATED DOME TILES AS DETECTABLE WARNINGS AT THE END OF THE RUNNING SLOPE OF THE RAMP.
3. ALL CURB RAMPS SHALL BE 4" THICK CONCRETE
4. GUTTER PAN SHALL HAVE A MAXIMUM SLOPE OF 5% AND A MINIMUM SLOPE OF 2%.
5. CONTRACTOR TO PROVIDE A LEVEL LANDING (4' LONG BY WIDTH OF SIDEWALK AT THE TOP OF THE RAMP WHICH SHALL BE AS WIDE AS THE RAMP WITH SLOPES AT 2% MAXIMUM, BOTH DIRECTIONS IF SIDEWALK CROSS SLOPE IS MORE THAN 2%.
6. THE GRADE BREAK BETWEEN THE COUNTER SLOPES OF GUTTER AND/OR ROAD SURFACE WITHIN 24 INCHES OF THE CURB RAMP AND THE RUNNING GRADE OF THE CURB RAMP SHALL NOT EXCEED THE ALGEBRAIC DIFFERENCE OF 11%. IF TWO OR MORE PLANE CHANGES ARE PRESENT, THEY SHALL BE SEPERATED BY 24 INCHES (2% MAX.).
7. 4' LONG TRANSITION BY WIDTH OF SIDEWALK IS REQUIRED IF EXISTING SIDEWALK CROSS SLOPE IS MORE THAN 2%.

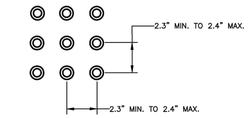
1	CURB RAMP DETAILS
N.T.S.	RE:





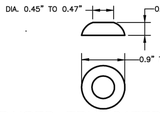


2	TRUNCATED DOMES
N.T.S.	RE:



EXCEPTION:
WHERE INSTALLED IN A RADIAL PATTERN, TRUNCATED DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41MM) MINIMUM TO 2.4 INCHES (61MM) MAXIMUM.

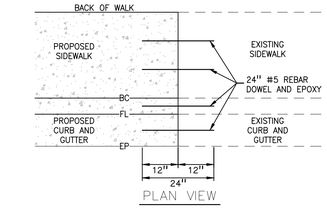
RAISED TRUNCATED DOME PATTERN



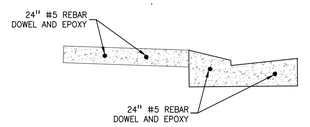
RAISED TRUNCATED DOME
FOR NON RADIUS PLATE APPLICATIONS
DRAWING NOT TO SCALE

APPROVED COLORS:
CAST IRON PLATES – NATURAL FINISH (NO PAINTING REQUIRED)

3	CURB, GUTTER AND SIDEWALK DOWEL
N.T.S.	RE:



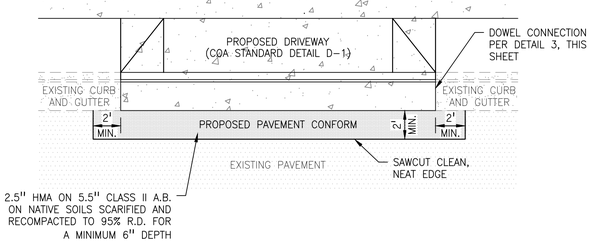
PLAN VIEW



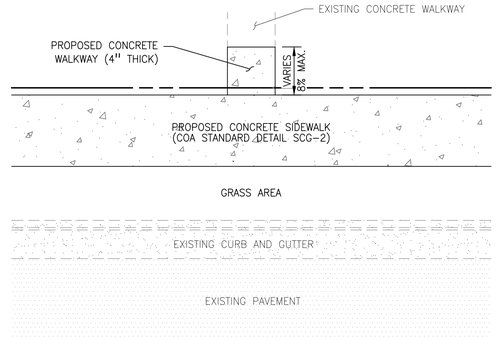
PROFILE VIEW

4	HMA DIKE MEDIAN DETAIL
N.T.S.	RE:

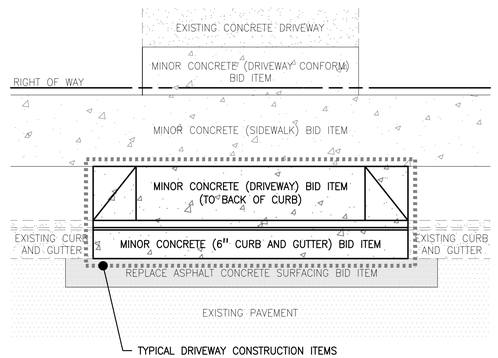
5	CONCRETE DRIVEWAY AND SIDEWALK DETAIL (TYP.)
N.T.S.	RE:



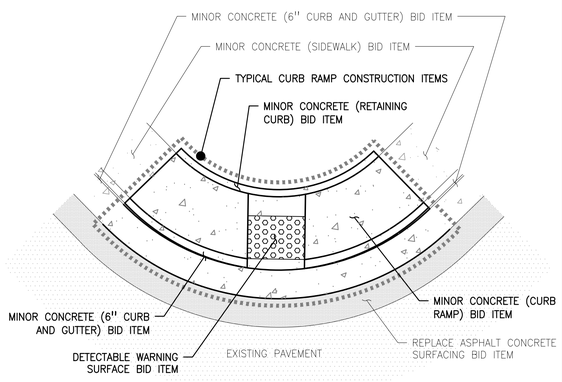
6	WALKWAY REPLACEMENT
N.T.S.	RE:



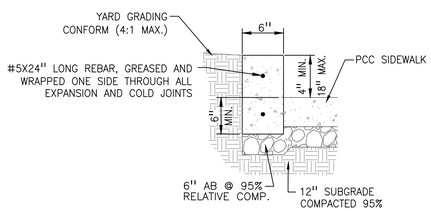
7	DRIVEWAY TYP. CONSTRUCTION ITEMS
N.T.S.	RE:



8	CURB RAMP TYP. CONSTRUCTION ITEMS
N.T.S.	RE:



9	RETAINING CURB
N.T.S.	RE:



CONSULTING ENGINEERS
430 10th Street
Modesto, CA 95354
Tel.: 209.568.4477
Fax: 209.568.4478

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawings. Any errors or discrepancies shall be reported to the Engineer immediately. Copyrights to all designs and drawings are the property of WHCE. Reproduction or publication by any method, in whole or in part, is prohibited. Title to plans and drawings remain with WHCE. In which event, the plans and drawings shall not be used for construction until sealed, signed and dated by the Engineer.

No.	MM.YY	Description	By	Appd.
Revision				

Client/Project
CITY OF ATWATER
AILEEN COLBURN PEDESTRIAN IMPROVEMENTS - PHASE II
RFB NUMBER - 691-20
CITY PROJECT NUMBER - 17-1
FEDERAL PROJECT NUMBER - CML 5254 (029)
ATWATER, CALIFORNIA

Title
CONSTRUCTION DETAILS

Engineer's Seal

REGISTERED PROFESSIONAL ENGINEER
ROBERT FRANCIS CHRISTENSEN
C63087
EXP. 06-30-20
CIVIL
STATE OF CALIFORNIA

Engineer's Signature: Robert F. Christensen
Signature Date:

Know what's below. Call before you dig.

Project Engineer:	ROBERT F. CHRISTENSEN		
Project Number:	1093-0800		
File Name:	13_DTLS.dwg		
AR	RFC	AR	04.28.20
Dwn.	Chkd.	Dsgn.	MM.DD.YY

Sheet No.
13 of 13 sheets
CML-5254 (028)

W:\1093\0800\civil\plansheet_files\13_DTLS.dwg
2020-6-17 12:48 By: dreed
ORIGINAL SHEET – ARCH D