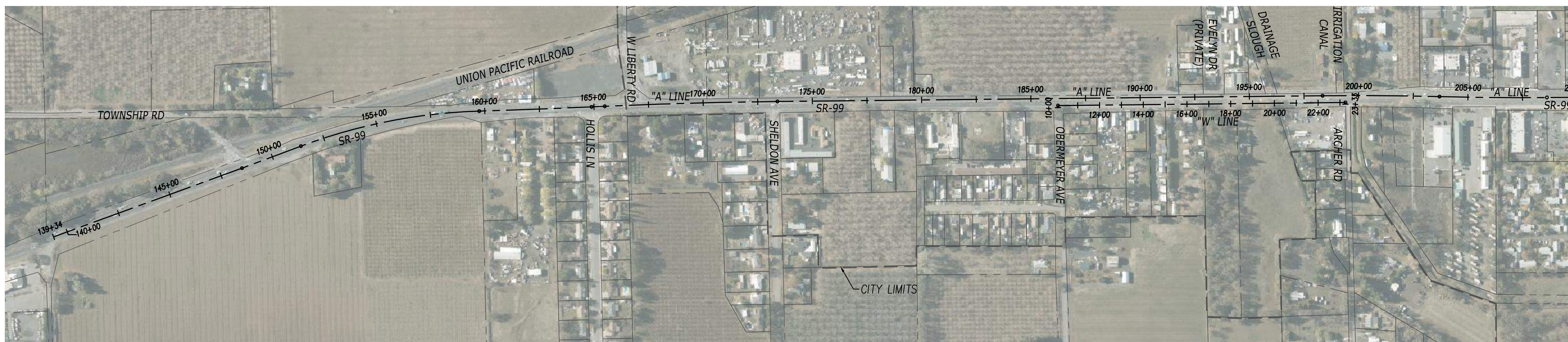
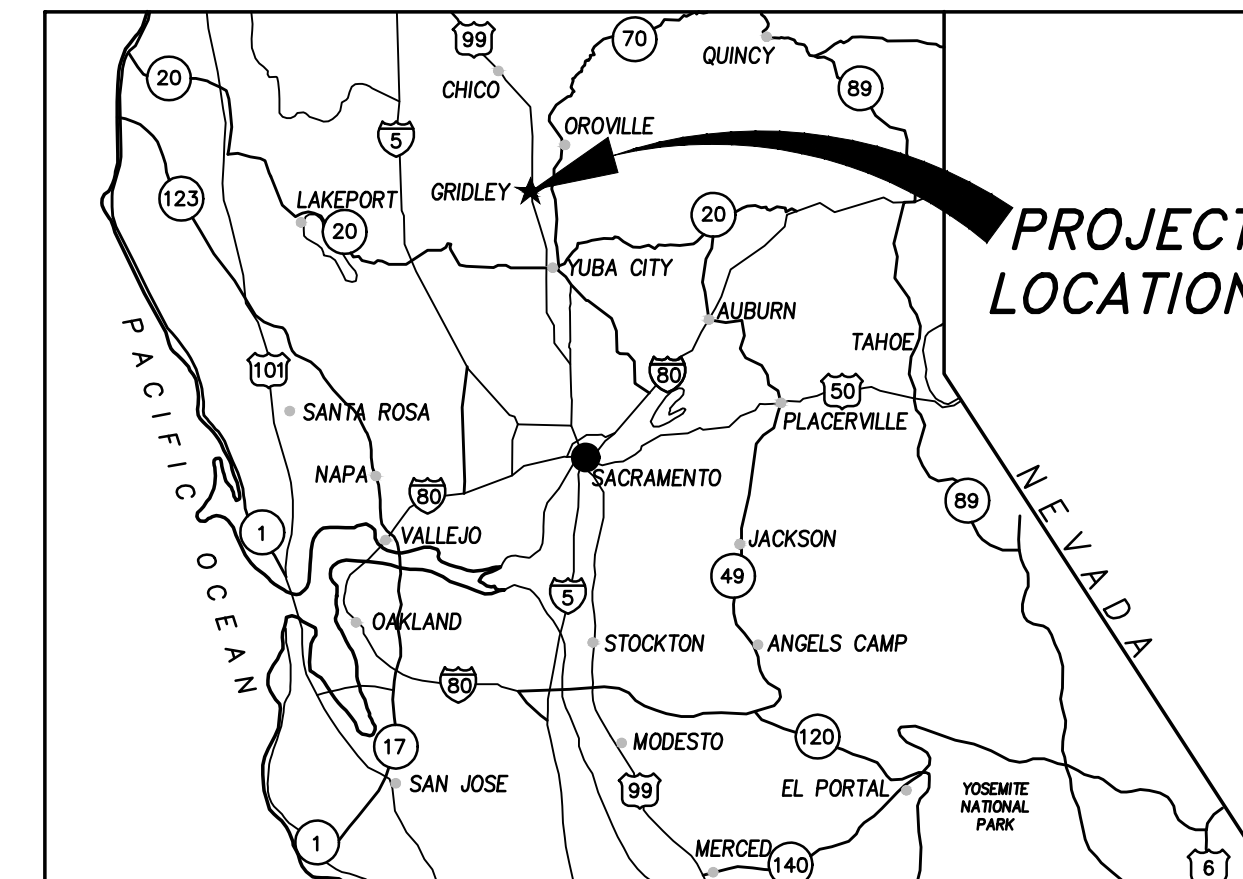




STATE ROUTE 99 - WATERLINE RELOCATION PROJECT

SHELDON AVE TO ARCHER AVE ALONG SR-99 IN THE CITY OF GRIDLEY, COUNTY OF BUTTE
CITY PROJECT #24-01

SHT No.	DWG No.	TITLE
1	G-1	TITLE SHEET
2	G-2	GENERAL NOTES
3	C-1	SURVEY CONTROL AND KEY SHEET
4	C-2	PLAN AND PROFILE
5	C-3	PLAN AND PROFILE
6	C-4	PLAN AND PROFILE
7	C-5	PLAN AND PROFILE
8	C-6	STANDARD DETAILS
9	C-7	CIVIL DETAILS
10	TC-1	TRAFFIC CONTROL PLAN
11	TC-2	TRAFFIC CONTROL PLAN
12	DP-1	DETOUR PLAN



LOCATION MAP
SCALE: 1" = 250'

UTILITY REPRESENTATIVES			
UTILITY	COMPANY	CONTACT	PHONE
ELECTRICAL	BIGGS-GRIDLEY ELECTRIC	ROSS PIPPITT	(530) 846-5954
GAS/ELECTRICAL	PACIFIC GAS & ELECTRIC	TODD CASH	(530) 894-4781
SEWER	CITY OF GRIDLEY	ROSS PIPPITT	(530) 846-5954
TELEPHONE	AT&T	CORT SCHREIBER	(530) 891-2392
USA	NORTH UNDERGROUND SERVICE ALERT	STAFF	(800) 227-2600
WATER	CITY OF GRIDLEY	ROSS PIPPITT	(530) 846-5954
STORMWATER	RECLAMATION DISTRICT 2056	JEFF SPENCE	(530) 671-1008
WATER	BUTTE WATER DISTRICT	MARK ORME	(530) 682-8454
COMMUNICATIONS	LEVEL 3 COMMUNICATIONS	CALEB KING	(916) 457-0007
HIGHWAY	CALTRANS		



SUBMITTED BY:



Dave Harden
DAVE HARDEN, PE
GRIDLEY CONTRACT CITY ENGINEER
P.E. 84216

07/23/2024

DATE

APPROVED BY:

Ross Pippitt
ROSS PIPPITT
PUBLIC UTILITY DIRECTOR
CITY OF GRIDLEY

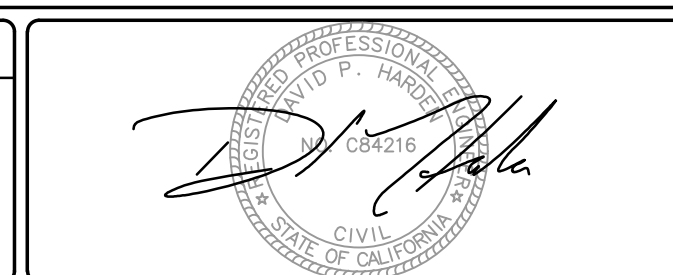
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 File Name: P:\N\16607-104-City of Gridley\SR-99 Waterline\16607-104_01_G-1_TITLE_SHEET.dwg
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NO.	REVISIONS	BY	DATE

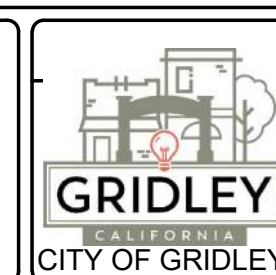
BENCH MARK ELEV: 96.08 DATUM: NAVD88
 DESCRIPTION:
 BASIS OF ELEVATIONS: CM 2.97, 96.08'
 BASIS OF BEARINGS: CCS, ZONE 2, NAD 83
 (2011) EPOCH 2017.5

DESIGN BY: A. HOLLADAY
 DRAWN BY: J. GINNEVER
 CHECKED BY: D. HARDEN
 SCALE: N/A
 DATE: 07/23/2024
 PROJ NO.: 16607-104

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, CA 95661
 (916) 783-4100
 www.ben-en.com



GRIDLEY SR-99 WATER RELOCATION PROJECT
 TITLE SHEET
 CALIFORNIA

GENERAL NOTES:

- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE 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 THE CITY, BENNETT ENGINEERING SERVICES AND ITS REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING STRUCTURES, ROADS, PRIVATE PROPERTY, AND UTILITIES DURING CONSTRUCTION.
- ALL UTILITIES SHOWN ARE APPROXIMATE AND WERE TAKEN FROM AVAILABLE RECORD DRAWINGS. NOTIFY UNDERGROUND SERVICES ALERT PRIOR TO ANY GRADING OR EXCAVATION WITHIN THE SITE 1-800-642-2444.
- A SET OF SIGNED WORKING DRAWINGS AND A SET OF SPECIFICATIONS SHALL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE ENGINEER WHEN THE WORK TO BE DONE IS COMPLETED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE STAFF WORKERS AND PUBLIC TO THE SATISFACTION OF THE ENGINEER, THE CITY, AND CALTRANS.
- ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL COOPERATE WITH ALL CITY STAFF, IF REQUIRED, TO FACILITATE MAKING AREAS READY FOR WORK.
- CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS SUPERVISOR AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE WITH ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR PROCURING AND PAYING FOR ANY AND ALL NECESSARY PERMITS AND TEMPORARY CONSTRUCTION EASEMENTS, INCLUDING BUT NOT LIMITED TO BUILDING, ENCROACHMENT AND TRANSPORTATION PERMITS.
- CONTRACTOR IS RESPONSIBLE TO SURVEY THE PROJECT SITE AS NEEDED, AND PROVIDE A SUBMITTAL OF ANY ELEVATIONS TAKEN TO THE CITY ENGINEER.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, AND DEPTH OF ALL CROSSING UTILITIES PRIOR TO COMMENCING ALL WORK. CONTRACTOR SHALL PROTECT ALL CROSSING UTILITIES IN PLACE.
- BYPASSING IS ALLOWED DURING CONSTRUCTION ACTIVITIES BUT TEMPORARY OR PERMANENT SERVICE CONNECTIONS SHALL BE IN PLACE BY THE END OF EACH WORK DAY.
- PAVEMENT SHALL BE REPAIRED TO THE SAME STRUCTURAL SECTION AS THE EXISTING, PER CALTRANS STANDARDS.
- ALLEY SURFACING SHALL BE REPAIRED PER CITY OF GRIDLEY STD DTL TB-01A, SHT C-3 FOR AN UNPAVED TRAVEL WAY.
- ALL STATIONING AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY STATIONING AND ELEVATIONS PRIOR TO COMMENCING ALL WORK.
- STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- UTILITIES SHOWN ON THESE PLANS IS FOR REFERENCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE IF THERE ARE UTILITY CONFLICTS AND FOLLOW THE 811 PROCESS.
- CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATIONS WITH THE CITY OR RESPECTIVE UTILITY.

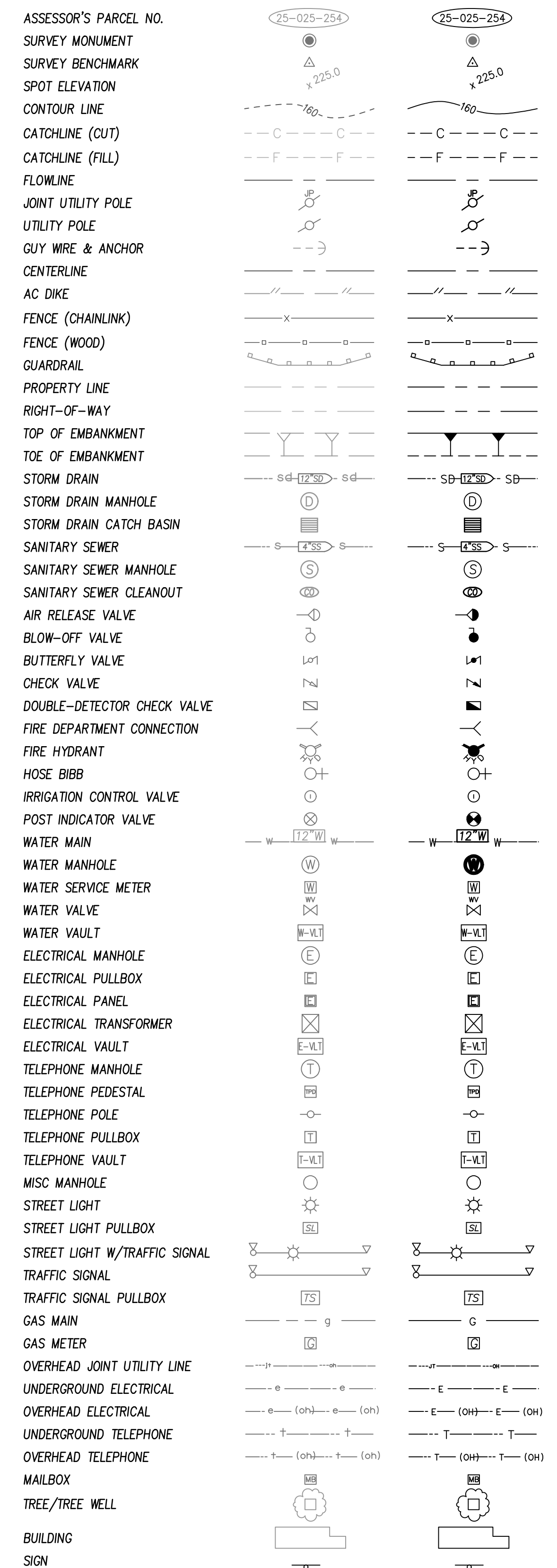
EROSION CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS SPECIFIED IN THE CONTRACTOR PREPARED EROSION CONTROL PLAN (ECP) FOR THIS PROJECT OR AS DETERMINED BY THE CITY INSPECTOR. THE ECP IS CONSIDERED A DYNAMIC DOCUMENT AND WILL CHANGE AS CONDITIONS WARRANT. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED AS SHOWN ON THE CONTRACTOR-PREPARED, CITY-APPROVED ECP PLAN.
- NON-POTABLE WATER OR CITY METERED WATER SHALL BE SPRAYED ON ALL EXPOSED EARTH SURFACES DURING CLEARING, GRADING, EARTH MOVING, AND OTHER SITE PREPARATION ACTIVITIES. THE EXPOSED EARTH SHALL BE WATERED TWO TIMES PER DAY TO MINIMIZE DUST.
- SHOULD EXCAVATION OPERATIONS UNCOVER HAZARDOUS MATERIALS, OR WHAT APPEARS TO BE HAZARDOUS MATERIALS, THE FIRE DEPARTMENT SHALL BE CONTACTED IMMEDIATELY AT (530) 868-5834. THE AREA, WHICH CONTAINS THE HAZARDOUS MATERIALS, SHALL BE MARKED OFF UNTIL AN INVESTIGATION BY A MEMBER OF THE FIRE DEPARTMENT IS CONDUCTED.
- THE CONTRACTOR IS EXPECTED TO COMPLY WITH THE FUGITIVE DUST CONTROL REQUIREMENTS FROM THE BUTTE COUNTY AIR POLLUTION CONTROL DISTRICT: WWW.ARB.CA.GOV
- CONTAMINATED SOIL - CONTRACTOR AGREES TO PROPERLY ADHERE TO ALL THE CURRENT STATE AND FEDERAL REQUIREMENTS WHEN ANY EVIDENCE OF TOXIC, HAZARDOUS OR CONTAMINATED SOILS ARE ENCOUNTERED DURING ANY AND ALL EXCAVATION OR GRADING OPERATIONS.
- SUFFICIENT EROSION CONTROL SUPPLIES SHALL BE AVAILABLE ON-SITE AT ALL TIMES TO DEAL WITH AREAS SUSCEPTIBLE TO EROSION DURING RAIN EVENTS.
- THE CONTRACTOR SHALL MAKE ADEQUATE PREPARATIONS, INCLUDING TRAINING & EQUIPMENT, TO CONTAIN SPILLS OF OIL AND OTHER HAZARDOUS MATERIALS.
- THE CONTRACTOR SHALL PROVIDE COVERED WASTE RECEPTACLES FOR COMMON SOLID WASTE AT CONVENIENT LOCATIONS ON THE JOB SITE AND PROVIDE REGULAR COLLECTION OF WASTE.
- THE CONTRACTOR SHALL PROVIDE SANITARY FACILITIES OF SUFFICIENT NUMBER AND SIZE TO ACCOMMODATE CONSTRUCTION CREWS.
- PROJECT IMPLEMENTATION SHALL CONFORM TO THE EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES CONTAINED IN THE LATEST EDITION OF THE FOLLOWING PUBLICATIONS OR AN EQUIVALENT BEST MANAGEMENT PRACTICE:
 - CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL, BY CALTRANS
 - STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK, BY THE CALIFORNIA STORMWATER QUALITY ASSOCIATION.
- IF DISCREPANCIES OCCUR BETWEEN THESE NOTES, MATERIAL REFERENCED HEREIN OR MANUFACTURER'S RECOMMENDATIONS, THEN THE MOST PROTECTIVE SHALL APPLY.
- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR BEFORE FORECASTED STORM EVENTS AND AFTER ACTUAL STORM EVENTS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EROSION PREVENTION AND SEDIMENT CONTROL MEASUREMENTS SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.

ABBREVIATIONS:

- Z ANGLE
- AB AGGREGATE BASE
- AC ASBESTOS CEMENT
- AP ANGLE POINT
- APPROX APPROXIMATELY
- AVE AVENUE
- BC BEGIN CURVE
- BCR BEGIN CURB RETURN
- BSW BACK OF SIDEWALK
- C&G CURB AND GUTTER
- CG&S CURB, GUTTER AND SIDEWALK
- C CENTER LINE
- CH CHORD
- CLR CLEAR
- CO CLEANOUT
- CONC CONCRETE
- CONST CONSTRUCT
- CTV CABLE TV
- CR CURB RETURN
- DI DUCTILE IRON
- DRWY DRIVEWAY
- DTL DETAIL
- DWG DRAWING
- EC END CURVE
- ECR END CURB RETURN
- EG EXISTING GRADE
- EJ EXPANSION JOINT
- EL,ELEV ELEVATION
- ELL ELBOW
- EP EDGE OF PAVEMENT
- EX EXISTING
- FC FACE OF CURB
- FD FOUND
- FG FINISHED GROUND
- FH FIRE HYDRANT
- E FLOW LINE
- FL FLANGE
- FM FORCE MAIN
- G GAS
- GB GRADE BREAK
- GFL GUTTER FLOW LINE
- GR GRATE
- GV GATE VALVE
- HP HIGH POINT
- HR HANDICAP RAMP
- INV INVERT
- IP IRON PIPE
- JP JOINT POLE
- L= LENGTH
- LF LINEAR FEET
- LT LEFT
- LN LANE
- LP LOW POINT
- ME MAINTENANCE EASEMENT
- MH MANHOLE
- MIN MINIMUM
- MJ MECHANICAL JOINT
- MP MIDPOINT
- OH OVERHEAD
- PB PULL BOX
- PCC POINT OF COMPOUND CURVE
- PI POINT OF INTERSECTION
- R PROPERTY LINE
- PP POWER POLE
- PRC POINT OF REVERSE CURVE
- PS PLANTER STRIP
- PT POINT
- PUE PUBLIC UTILITY EASEMENT
- PVC POLYVINYL CHLORIDE
- PVMT PAVEMENT
- R,R= RADIUS
- RT RIGHT
- R/W RIGHT-OF-WAY
- S= SLOPE
- SD STORM DRAIN
- SDCO STORM DRAIN CLEANOUT
- SDMH STORM DRAIN MH
- SDWK,SW SIDEWALK
- SECT SECTION
- SHT SHEET
- SS SANITARY SEWER
- SSMH SANITARY SEWER MH
- ST STREET
- STA STATION
- T TELEPHONE
- TC TOP OF CURB
- TCE TEMPORARY CONSTRUCTION ENTRANCE
- TYP TYPICAL
- W,WTR WATER
- WV WATER VALVE
- XW CROSSWALK

TYPICAL LEGEND:



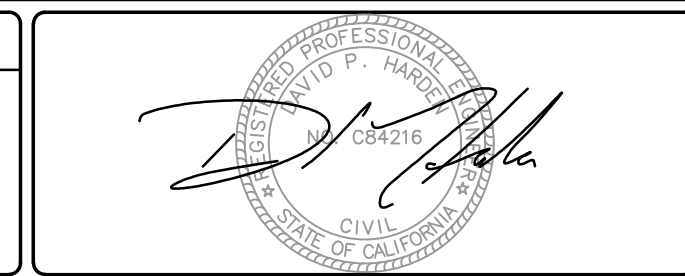
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NO.	REVISIONS	BY	DATE
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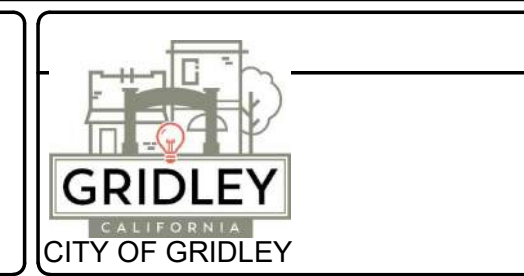
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 DESCRIPTION :
 BASIS OF ELEVATIONS: CM 2.97, 96.08'
 BASIS OF BEARINGS: CCS, ZONE 2, NAD 83
 (2011) EPOCH 2017.5

DESIGN BY : A. HOLLADAY
 DRAWN BY : J. GINNEVER
 CHECKED BY : D. HARDEN
 SCALE : AS SHOWN
 DATE : 07/23/2024
 PROJ NO. : 16607-104

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 0 1"



BEN EN
 TRUSTED ENGINEERING ADVISORS
 Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, CA 95661
 (916) 783-4100
 www.ben-en.com

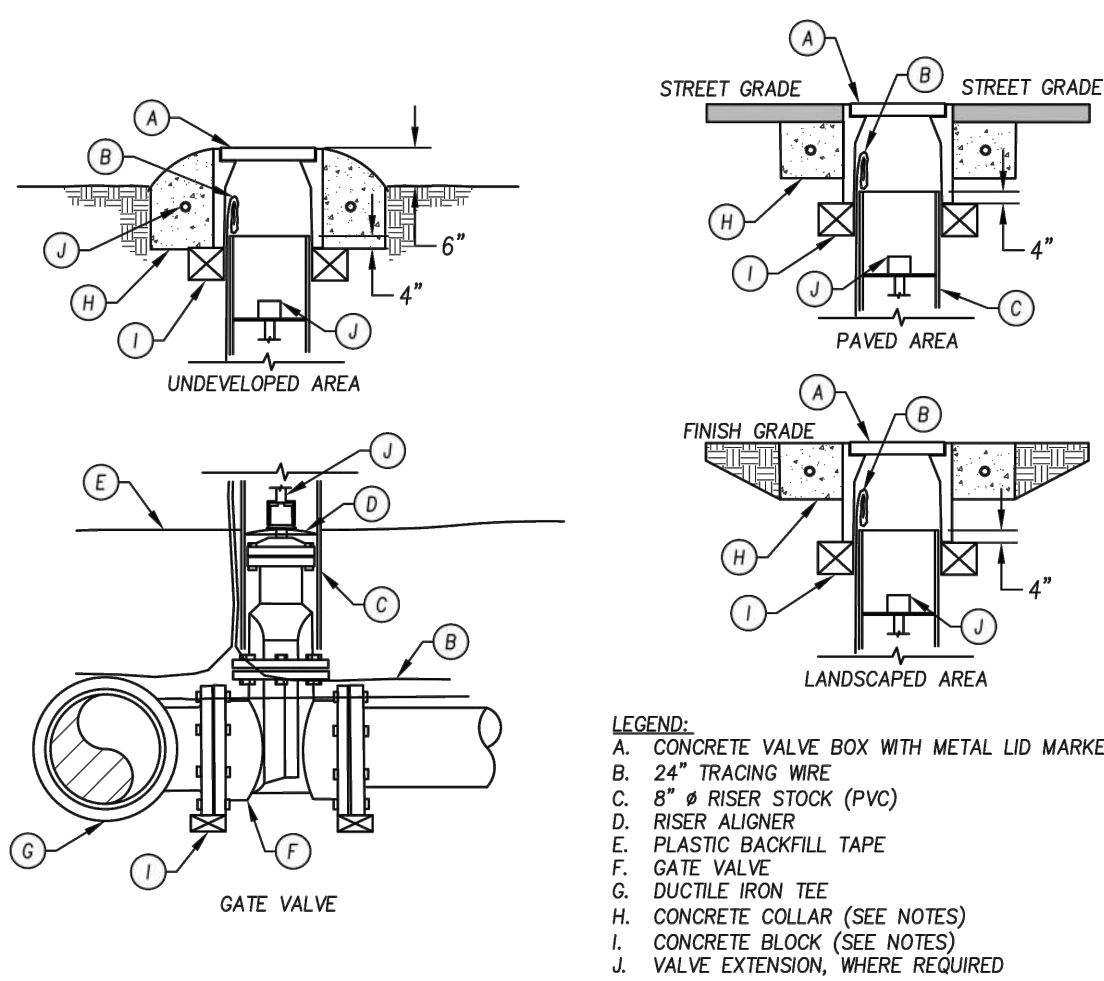


GRIDLEY SR-99 WATER RELOCATION PROJECT
GENERAL NOTES
 CALIFORNIA

TYPE OF FITTING	90° BEND	45° BEND	11 1/2" OR 22 1/2" BEND	
TYPICAL INSTALLATION				
REQUIRED BEARING - TOTAL SQUARE FEET				
SIZE OF PIPE				
4"	2	1	1	
6"	4	2	1	
8"	7	4	2	
10"	12	6	3	
12"	16	10	5	
TYPE OF FITTING	TEE OR DEAD END	TEE WITH FLUG		
TYPICAL INSTALLATION				
REQUIRED LENGTH (FT) OF RESTRAINED JOINT PIPE				
PIPE SIZE				
	6"	8"	10"	12"
90° BEND	29	38	45	52
45° BEND	12	16	19	22
REQUIRED BEARING - TOTAL SQUARE FEET				
SIZE OF PIPE				
4"	2	2	3	4
6"	3	4	4	5
8"	5	7	6	8
10"	8	12	8	11
12"	12	16	10	14

- NOTES:
- ALL JOINTS AND PIPE LENGTHS SHALL BE FULLY RESTRAINED. THRUST BLOCKS SHALL ONLY BE USED WITH PRIOR APPROVAL BY THE CITY.
 - INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE REQUIRED LENGTH OF RESTRAINED JOINT PIPE TABLE.
 - THRUST BLOCKS TO BE CONSTRUCTED OF MINOR CONCRETE.
 - AREAS GIVEN ARE FOR CLASS 150 PIPE AT TEST PRESSURE OF 150 P.S.I. IN SOIL WITH 2,000 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF ENGINEER.
 - BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
 - JOINTS TO BE KEPT CLEAR OF CONCRETE.
 - BLOCKS TO BE IN PLACE 7 (SEVEN) DAYS BEFORE TESTING.
 - ALL PLUGS SHALL BE SECURED WITH THRUST BLOCKS.

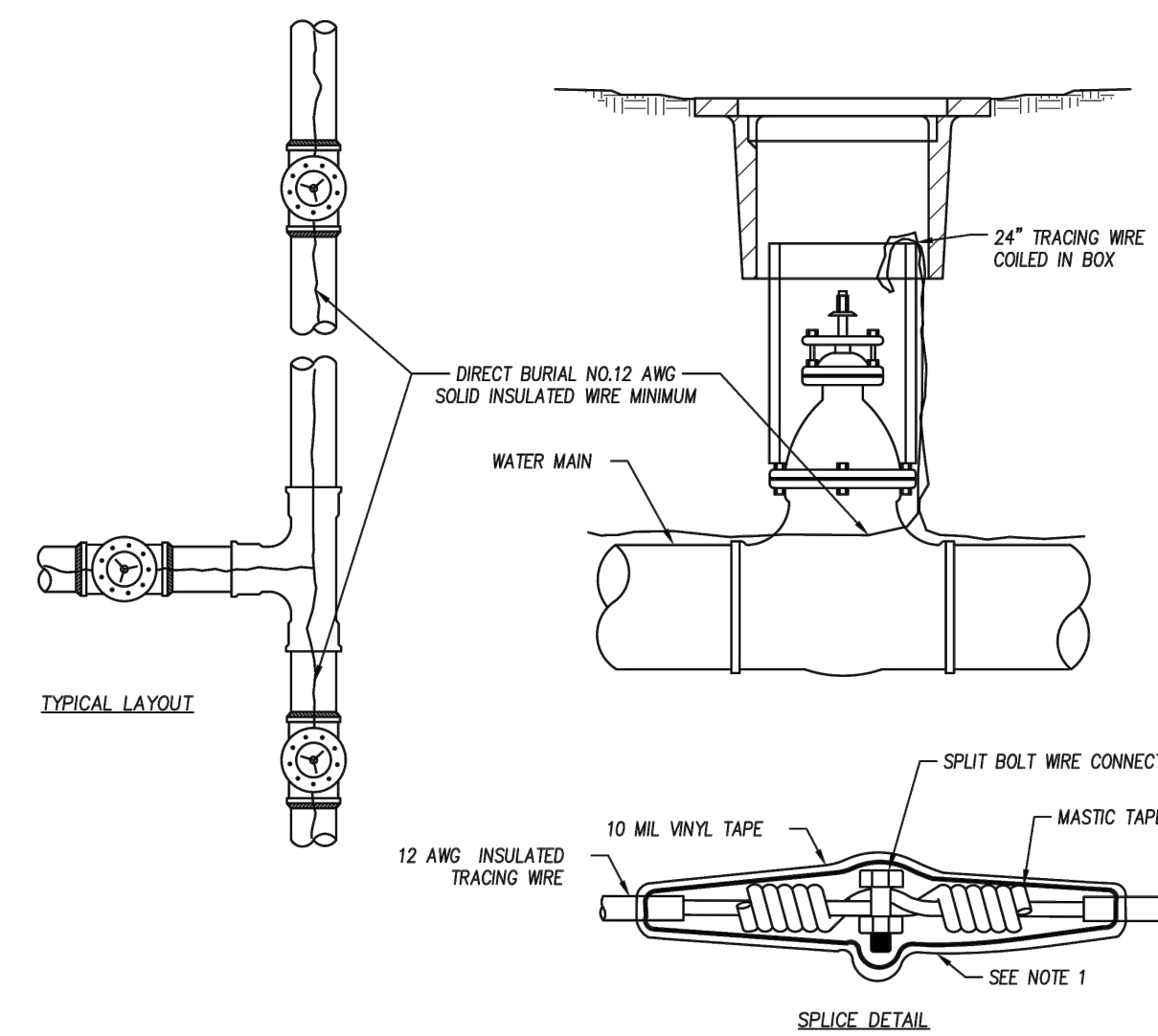
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DRAWN BY: A. HOLLADAY			THRUST BLOCKS	
CHECKED BY: D. HARDEN			CITY OF GRIDLEY	
SCALE: NONE			DEPARTMENT OF PUBLIC WORKS	
DATE: 09/25/23			W-03	



- LEGEND:
- A. CONCRETE VALVE BOX WITH METAL LID MARKED WATER
 - B. 24" TRACING WIRE
 - C. 8" RISER STOCK (PVC)
 - D. RISER ALIGNER
 - E. PLASTIC BACKFILL TAPE
 - F. GATE VALVE
 - G. DUCTILE IRON TEE
 - H. CONCRETE COLLAR (SEE NOTES)
 - I. CONCRETE BLOCK (SEE NOTES)
 - J. VALVE EXTENSION, WHERE REQUIRED

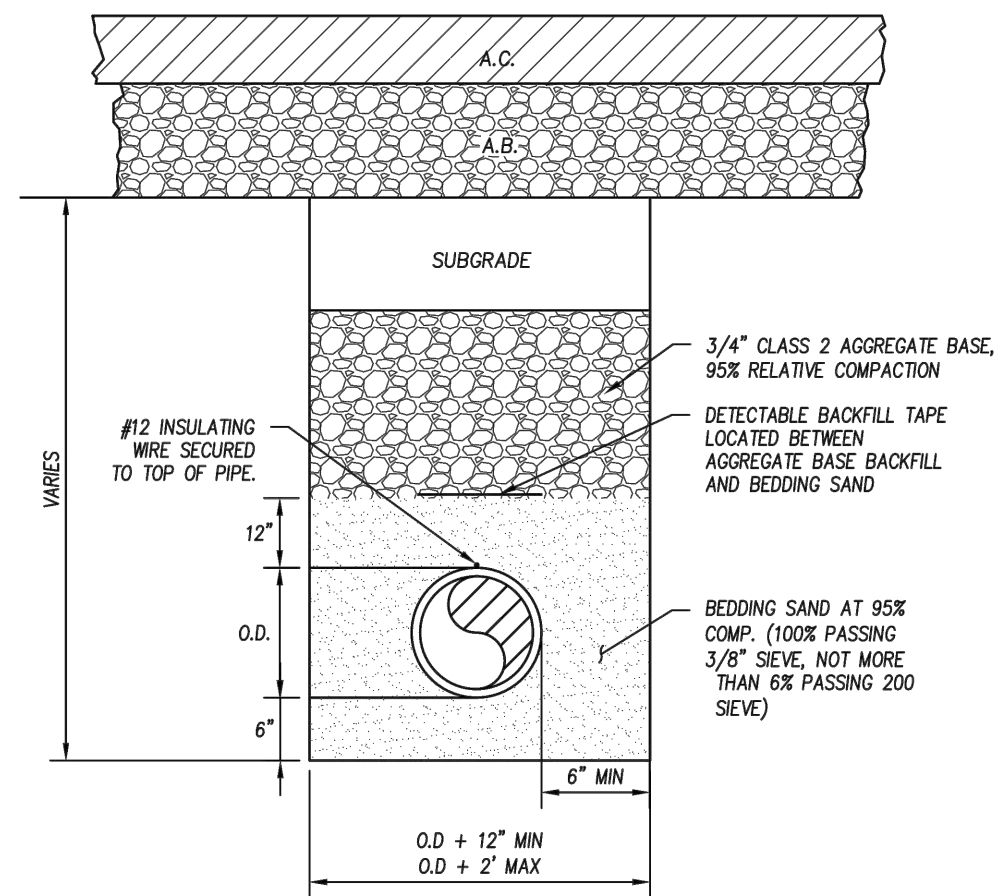
- NOTES:
- ALL GATE VALVES SHALL BE CENTERED IN A ONE PIECE RISER STOCK WITH THE USE OF A RISER ALIGNER.
 - OPERATOR NUTS DEEPER THAN 40" FROM FINISH GRADE SHALL REQUIRE A VALVE NUT EXTENSION 2' MINIMUM IN LENGTH.
 - VALVE BOXES LOCATED IN A PAVED AREA SHALL BE PLACED IN A 12" X 12" DEEP CONCRETE COLLAR A MINIMUM OF 2" BELOW PAVEMENT.
 - VALVE BOXES LOCATED IN A LANDSCAPED AREA SHALL BE PLACED IN A 6" X 6" CONCRETE COLLAR AT FINISHED GRADE.
 - VALVE BOXES LOCATED IN AN UNDEVELOPED AREA SHALL BE PLACED IN A 12" DEEP BY 6" WIDE CONCRETE COLLAR 6" ABOVE GRADE.
 - INSTALL (4" X 4" CONCRETE BLOCK) UNDER ENTIRE PERIMETER OF BOX OR COMPACTED AS.
 - VALVES AND FITTINGS SHALL BE WRAPPED AND SEALED IN 10 MIL POLYETHYLENE.
 - VALVE RISER STOCK SHALL BE A MINIMUM OF 4" INSIDE VALVE BOX.
 - TRACING WIRE SHALL BE CONTINUOUS BETWEEN MAINLINE VALVE BOXES AND FIRE HYDRANTS. IT SHALL BE ATTACHED TO THE TOP OF THE PIPE WITH 10 MIL VINYL TAPE EVERY FEET.
 - OPERATING NUT EXTENSION W/ 7" DIA. PLATE WASHER WELDED TO EXTENSION AT MIDPOINT OF ROD. (MIN LENGTH OF EXTENSION ROD SHALL BE 2')
 - AN OPERATING NUT SHALL BE DRILLED AND TAPPED FOR 2 (1/4" DIA) SCREWS. SET SCREW TO EXTEND 1/8" INTO VALVE NUT.
 - VALVE BOX SHALL BE CHRISTY G5, BES 05 9 1/2" TRAFFIC BOX TYPE K-8016 OR APPROVED EQUAL MARKED WATER.

NO.	REVISION DATE	BY	APPROVED BY: DAVID HARDEN CITY ENGINEER RCE 84216	
DRAWN BY: A. HOLLADAY			GATE VALVE & BOX	
CHECKED BY: D. HARDEN			CITY OF GRIDLEY	
SCALE: NONE			DEPARTMENT OF PUBLIC WORKS	
DATE: 09/25/23			W-04	



- NOTES:
- TWIST THE WIRE A MINIMUM OF 5 TIMES ON EACH END. INSTALL SPLIT BOLT CONNECTOR. SOLDER WIRE AND COVER THE ENTIRE SPLICE WITH 10 MIL VINYL TAPE. WIRE SPLICES SHALL BE LOCATED WITHIN A VALVE BOX.
 - TRACING WIRE TO BE CONTINUOUS BETWEEN VALVE BOXES AND FIRE HYDRANTS, EXCEPT WHERE BOXES ARE WITHIN 10' OF PIPE INTERSECTION.
 - TRACING WIRE TO BE ATTACHED TO THE TOP OF THE PIPE WITH 10 MIL VINYL TAPE EVERY 5'.
 - TRACING WIRES THROUGH VALVE BOX SHALL BE PLACED OUTSIDE OF RISER, BUT INSIDE THE BOX.
 - TRACING WIRE IN MANHOLES AND VAULTS SHALL BE ATTACHED INSIDE THE FACILITY WITHIN ONE FOOT OF THE RIM.
 - LOCATING WIRE MUST BE TESTED FOR CONTINUITY & BE IN WORKING ORDER AFTER ALL UNDERGROUND WORK IS DONE AND PRIOR TO STREET PAVING.

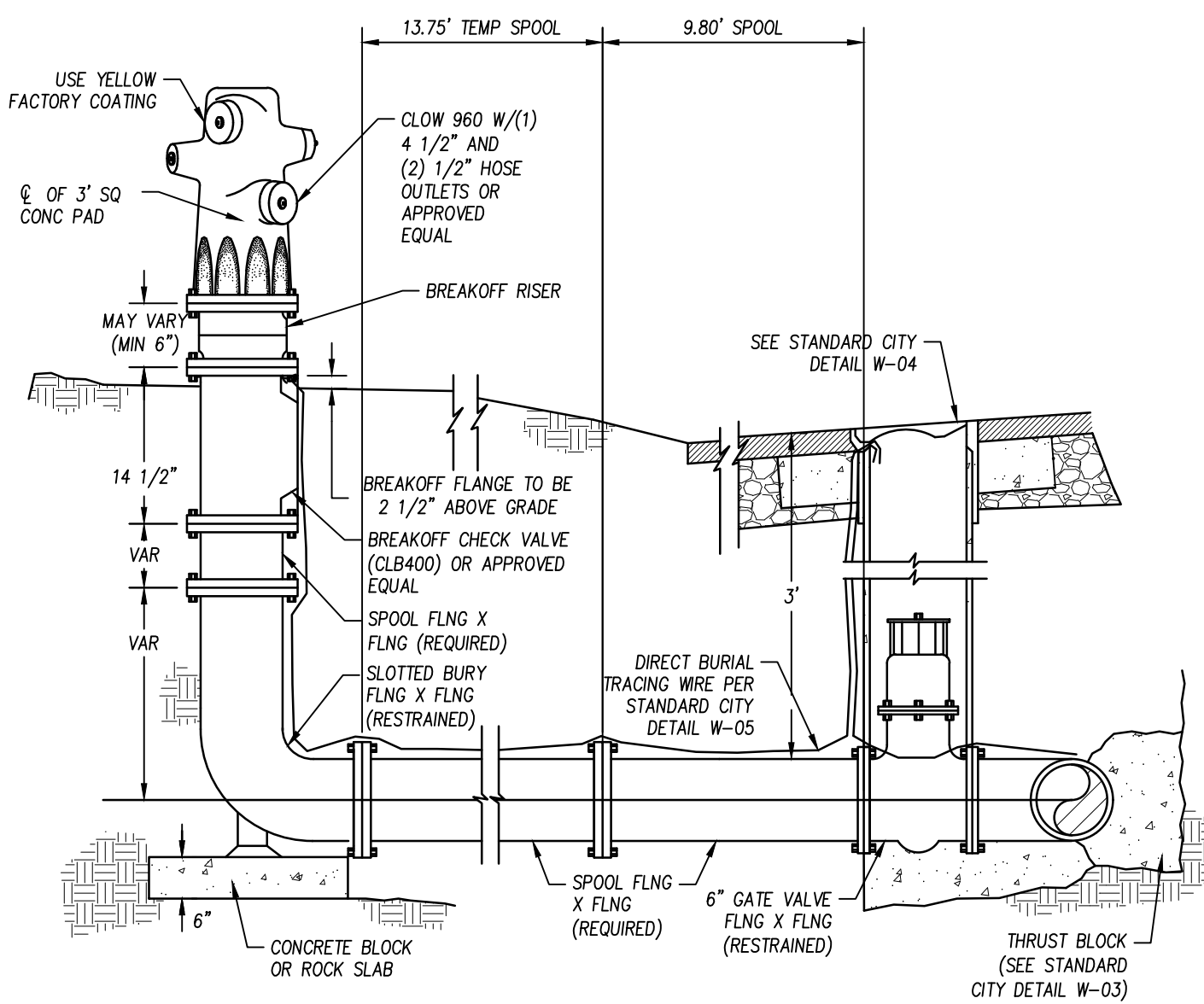
NO.	REVISION DATE	BY	APPROVED BY: DAVID HARDEN CITY ENGINEER RCE 84216	
DRAWN BY: A. HOLLADAY			LOCATING WIRE FOR WATER MAINS AND SERVICES	
CHECKED BY: D. HARDEN			CITY OF GRIDLEY	
SCALE: NONE			DEPARTMENT OF PUBLIC WORKS	
DATE: 09/25/23			W-05	



TRENCH BACKFILL REQUIREMENTS:
A. PROPOSED STREETS- REFER TO DETAIL TB-1A AND TB-1B FOR BACKFILL REQUIREMENTS ABOVE THE PIPE ZONE.

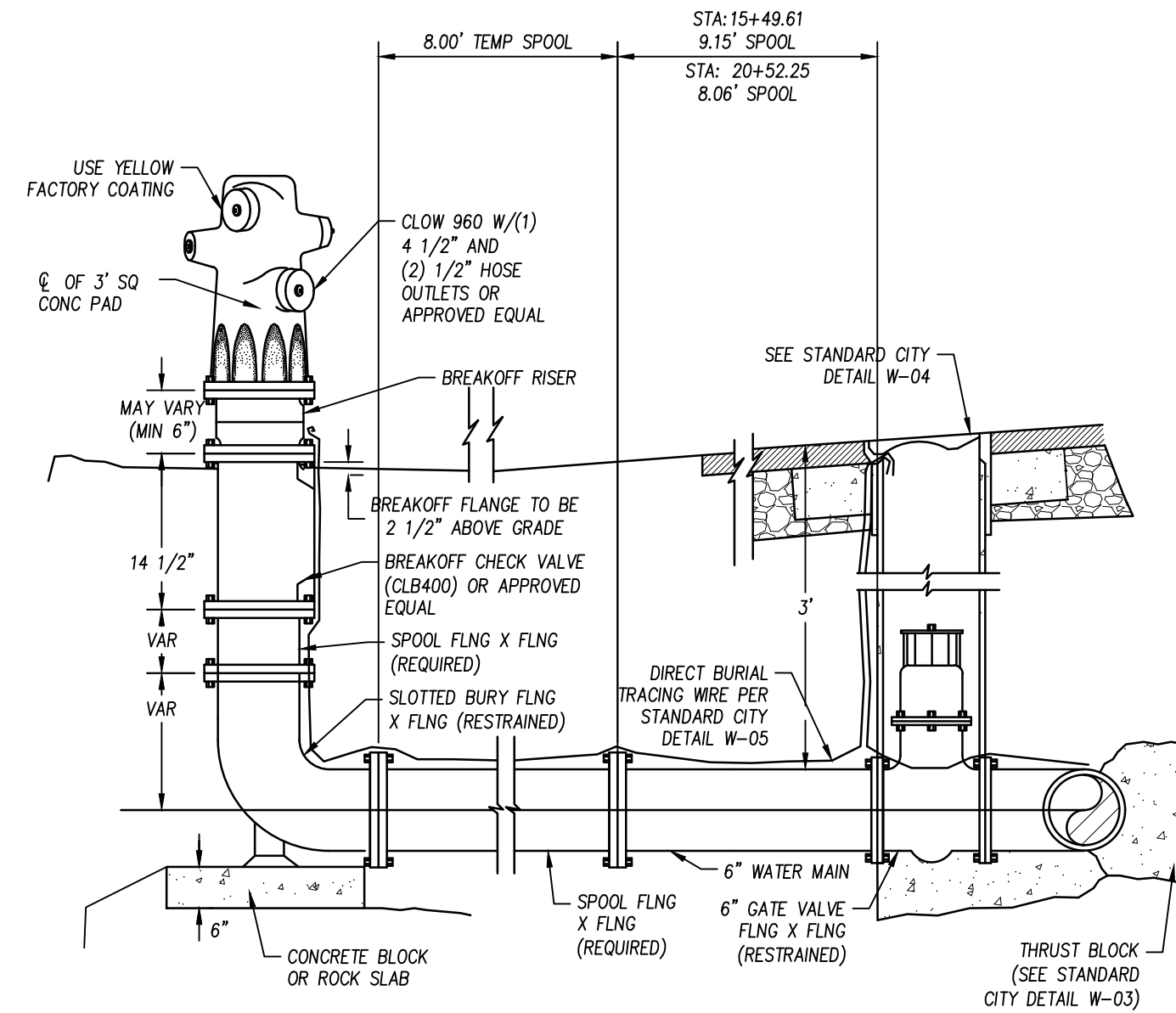
- NOTES:
- BACKFILL SHALL BE MECHANICALLY CONSOLIDATED OR SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE.
 - IN ROCKY OR UNYIELDING SOIL, THE TRENCH SHALL BE EXCAVATED A MINIMUM OF 12" BELOW THE PIPE AND THE TRENCH WIDTH SHALL BE INCREASED BY 12".
 - ONE 12" WIDE STRIP OF BACKFILL TAPE SHALL BE USED FOR EVERY 12" PIPE DIAMETER OR FRACTION THERE OF. BACKFILL TAPE SHALL BE BLUE, MARKED "WATER MAIN BURIED BELOW" AND APPROVED FOR EXTENDED UNDERGROUND USE.
 - THERE MUST BE A MINIMUM OF 36" COVER FROM THE TOP OF THE PIPE TO THE FINISHED GRADE.

NO.	REVISION DATE	BY	APPROVED BY: DAVID HARDEN CITY ENGINEER RCE 84216	
DRAWN BY: A. HOLLADAY			WATER MAIN TRENCH AND BACKFILL	
CHECKED BY: D. HARDEN			CITY OF GRIDLEY	
SCALE: NONE			DEPARTMENT OF PUBLIC WORKS	
DATE: 09/25/23			W-15	



- NOTES:
- BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED 6" FROM CENTERLINE STRIPE ON THE SIDE NEAREST THE FIRE HYDRANT ON A TWO OR MULTI-LANE STREET.
 - TWO MARKERS ARE REQUIRED AT AN INTERSECTION HAVING A FIRE HYDRANT. THE MARKER SHALL BE PLACED 6" FROM THE EDGE OF THE CONTINUOUS LEFT TURN LANE LINE ON THE SIDE NEAREST THE FIRE HYDRANT.
 - FOR A FOUR LANE STREET WITH TURN LANE AT INTERSECTION THE MARKER SHALL BE PLACED 6" FROM THE NEAREST WHITE LANE LINE ON THE SIDE NEAREST THE FIRE HYDRANT.
 - ASSEMBLY SHALL BE FULLY RESTRAINED.
 - FIRE HYDRANT TO BE RELOCATED DURING CALTRANS PROJECT.

1 MODIFIED FIRE HYDRANT INSTALLATION AT OBERMYER
NTS



- NOTES:
- BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED 6" FROM CENTERLINE STRIPE ON THE SIDE NEAREST THE FIRE HYDRANT ON A TWO OR MULTI-LANE STREET.
 - TWO MARKERS ARE REQUIRED AT AN INTERSECTION HAVING A FIRE HYDRANT. THE MARKER SHALL BE PLACED 6" FROM THE EDGE OF THE CONTINUOUS LEFT TURN LANE LINE ON THE SIDE NEAREST THE FIRE HYDRANT.
 - FOR A FOUR LANE STREET WITH TURN LANE AT INTERSECTION THE MARKER SHALL BE PLACED 6" FROM THE NEAREST WHITE LANE LINE ON THE SIDE NEAREST THE FIRE HYDRANT.
 - ASSEMBLY SHALL BE FULLY RESTRAINED.
 - FIRE HYDRANT TO BE RELOCATED DURING CALTRANS PROJECT.

2 MODIFIED FIRE HYDRANT INSTALLATIONS SOUTH OF ARCHER
NTS

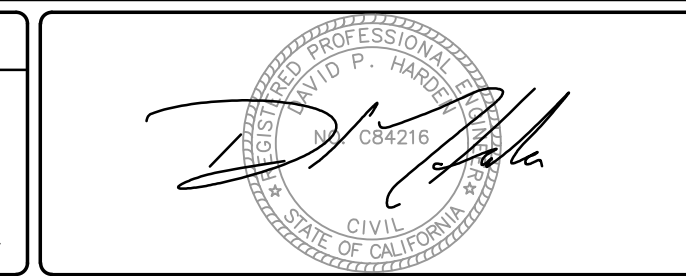
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NO.	REVISIONS	BY	DATE

BENCH MARK ELEV.: 96.08 DATUM: NAVD88
 DESCRIPTION:
 BASIS OF ELEVATIONS: CM 2.97, 96.08'
 BASIS OF BEARINGS: CCS, ZONE 2, NAD 83
 (2011) EPOCH 2017.5

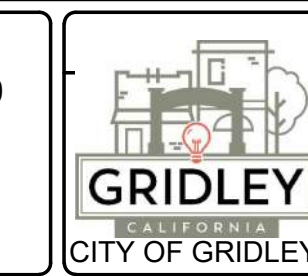
DESIGN BY: A. HOLLADAY
 DRAWN BY: J. GINNEVER
 CHECKED BY: D. HARDEN
 SCALE: VARIES
 DATE: 07/23/2024
 PROJ NO.: 16607-104

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



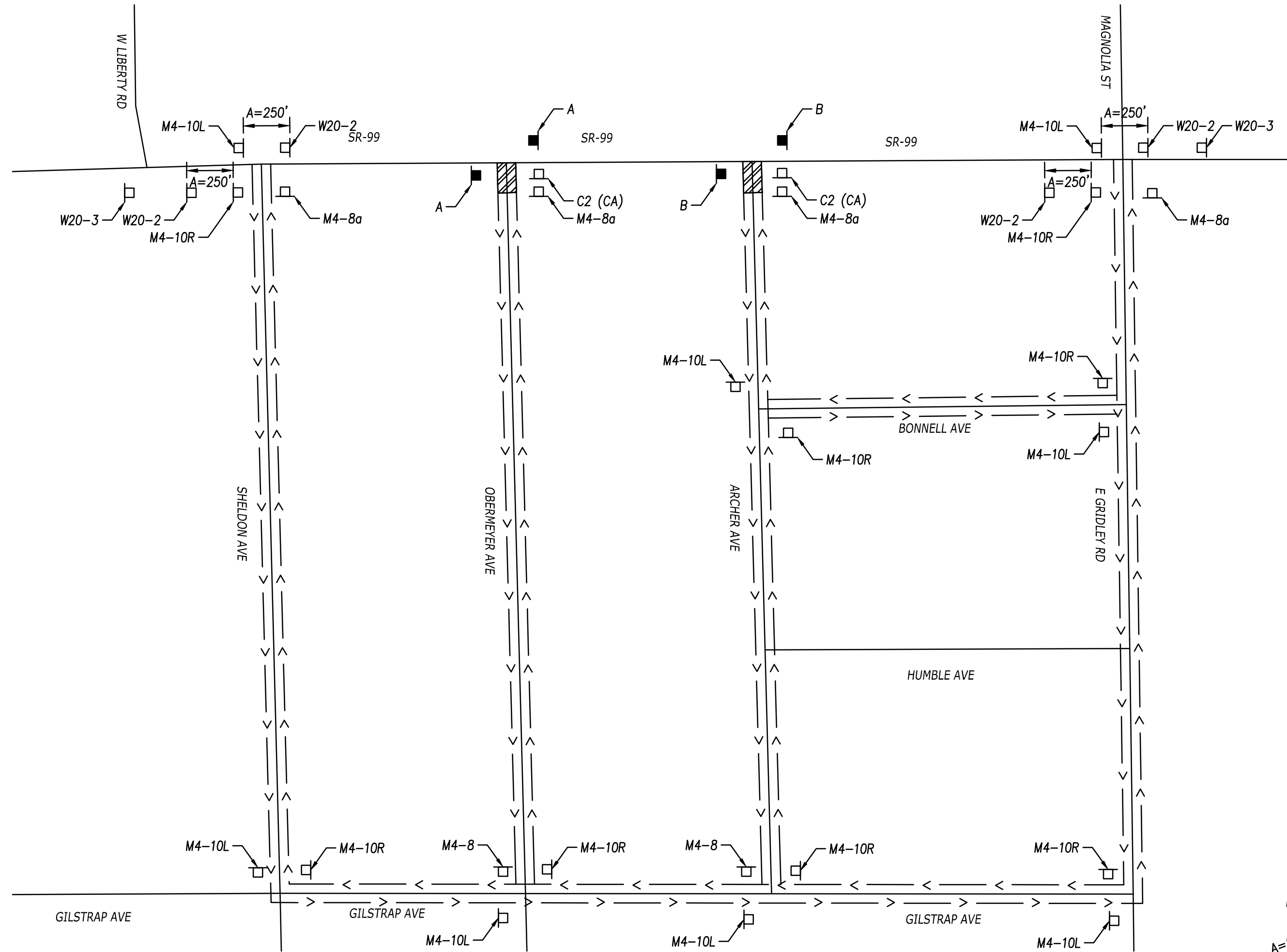
BEN EN
 TRUSTED ENGINEERING ADVISORS

Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, CA 95661
 (916) 783-4100
 www.ben-en.com



GRIDLEY SR-99 WATER RELOCATION PROJECT
 STANDARD DETAILS
 CALIFORNIA

C-6
 8 OF 12



PHASE 1

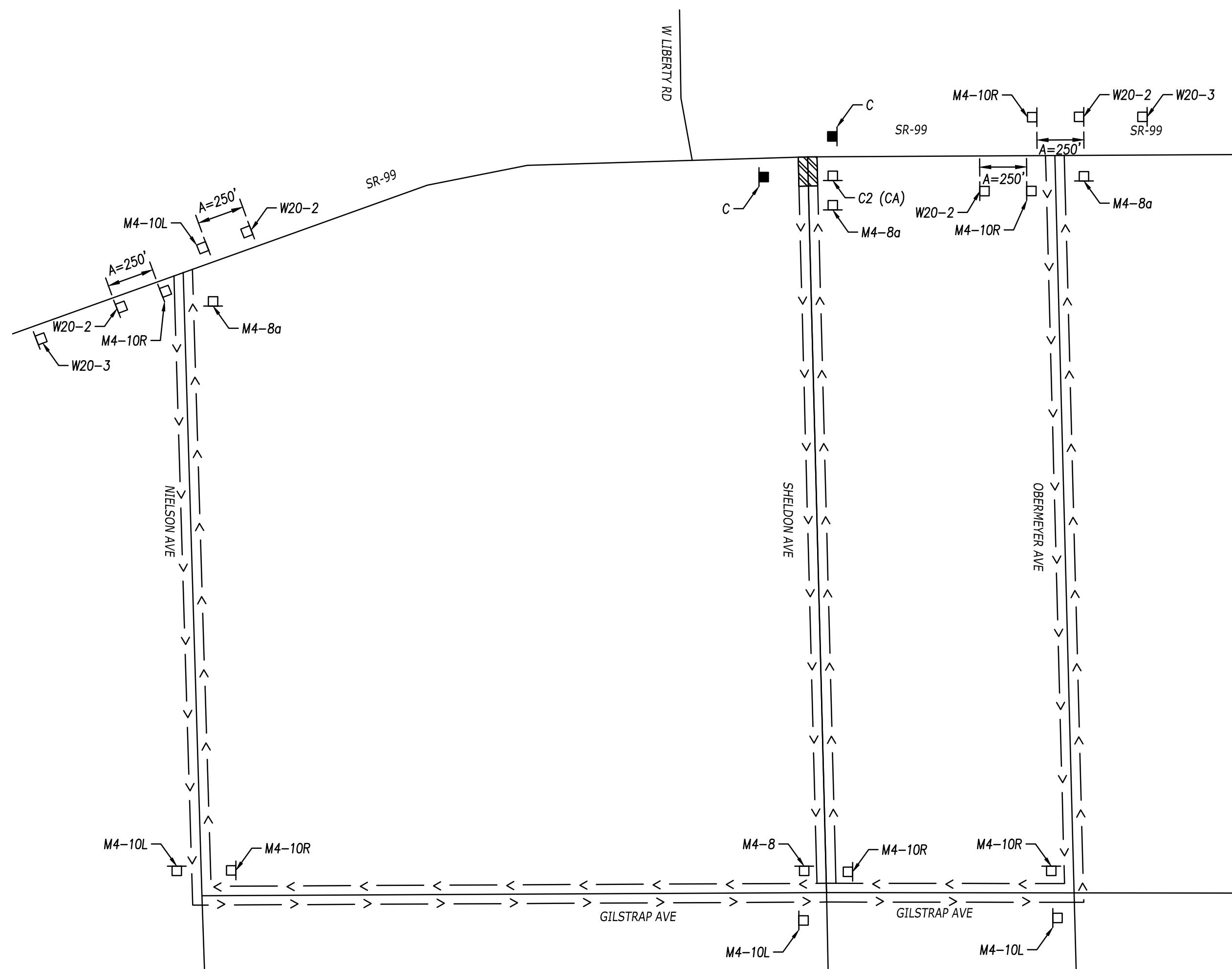
DETOUR TRAFFIC SIGN SCHEDULE PHASE 1			
SIGN NUMBER	SIZE	DESCRIPTION	NUMBER OF SIGNS
M4-10	48x48	DETOUR (ARROW)	16
M4-8	30x24	DETOUR	2
M4-8a	24x18	DETOUR END	4
W20-2	36x36	DETOUR AHEAD	4
W20-3	36x36	ROAD CLOSED AHEAD	2
C2 (CA)	48x30	ROAD CLOSED	2

PORTABLE CHANGEABLE MESSAGE SIGN		
SIGN NUMBER	FIRST FLASH	SECOND FLASH
A	OBERMYER AVE CLOSED	USE GILSTRAP AVE
B	ARCHER AVE CLOSED	USE GILSTRAP AVE
C	SHELDON RD CLOSED	USE GILSTRAP AVE

LEGEND

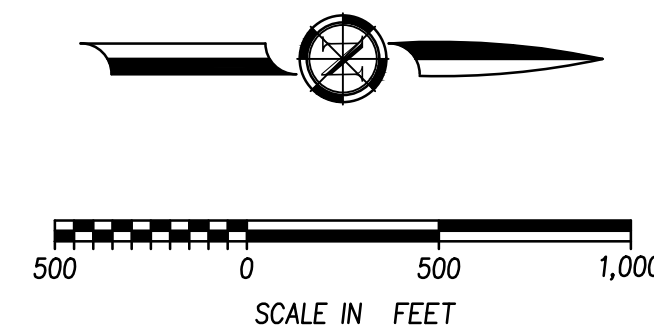
- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN
- ▨ WORK AREA
- >— DIRECTION OF TRAVEL

- NOTES:
1. TRAFFIC CONTROL PLAN AND DETOUR PLAN PER CALTRANS STANDARDS
 2. REFER TO CALIFORNIA MUTCD SIGN CHARTS
 3. CONTRACTOR TO PROVIDE NOTIFICATION TO AFFECTED PROPERTIES TWO WEEKS IN ADVANCE.
 4. CONTRACTOR TO PROCEED WITH CONSTRUCTION ACCORDING TO PHASING OF TRAFFIC CONTROL PLAN AND DETOUR PLAN.
 5. RESIDENT AND BUSINESS ACCESS SHALL BE MAINTAINED THROUGHOUT THE PROJECT AREA AT ALL TIMES.



PHASE 2

DETOUR TRAFFIC SIGN SCHEDULE PHASE 2			
SIGN NUMBER	SIZE	DESCRIPTION	NUMBER OF SIGNS
M4-10	48x48	DETOUR (ARROW)	10
M4-8	30x24	DETOUR	2
M4-8a	24x18	DETOUR END	3
W20-2	36x36	DETOUR AHEAD	4
W20-3	36x36	ROAD CLOSED AHEAD	2
C2 (CA)	48x30	ROAD CLOSED	1



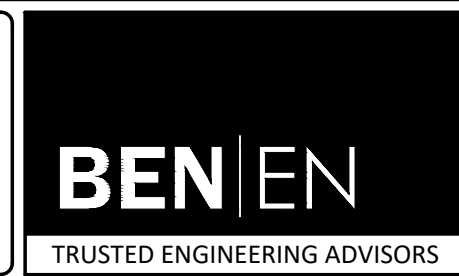
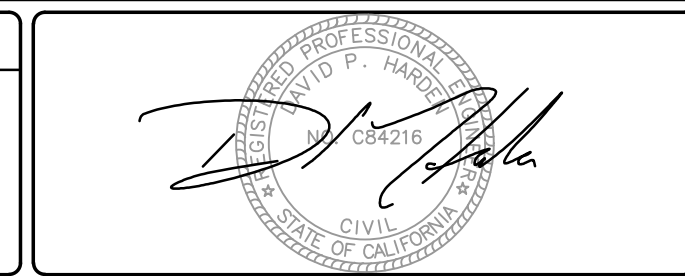
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NO.	REVISIONS	BY	DATE

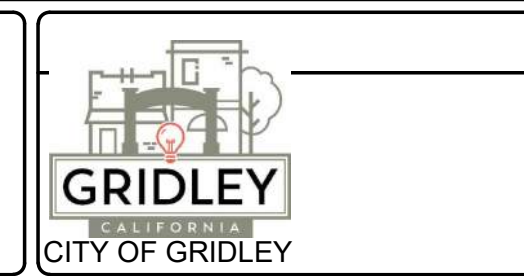
BENCH MARK ELEV: 96.08 DATUM: NAVD88
 DESCRIPTION:
 BASIS OF ELEVATIONS: CM 2.97, 96.08'
 BASIS OF BEARINGS: CCS, ZONE 2, NAD 83
 (2011) EPOCH 2017.5

DESIGN BY: A. HOLLADAY
 DRAWN BY: J. GINNEVER
 CHECKED BY: D. HARDEN
 SCALE: 1"=500'
 DATE: 07/23/2024
 PROJ NO.: 16607-104

VERIFY SCALE
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GRIDLEY SR-99 WATER RELOCATION PROJECT
 DETOUR PLAN
 CALIFORNIA