

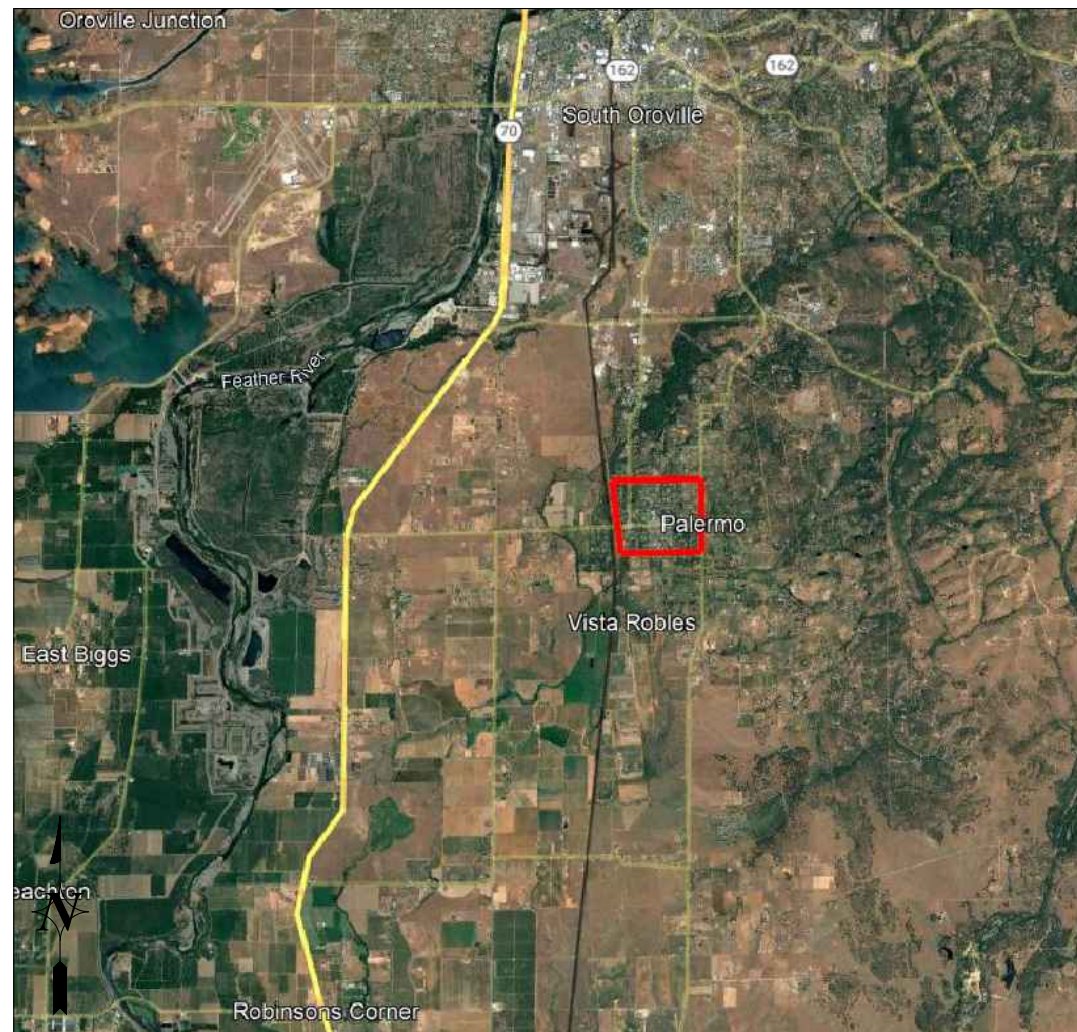
# BUTTE COUNTY

## PALERMO CLEAN WATER CONSOLIDATION PROJECT

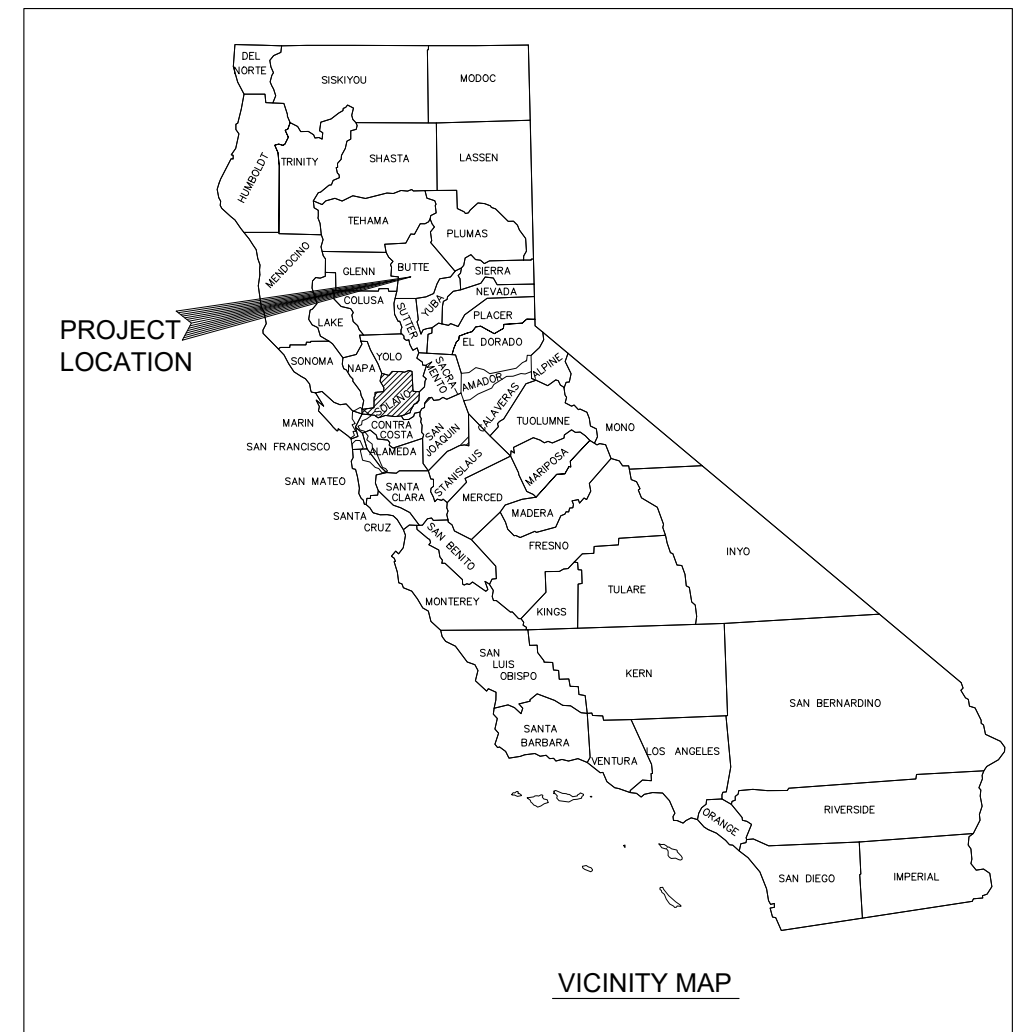
Palermo, California  
Butte County

APRIL 2022

100% DESIGN  
DRAWINGS



LOCATION MAP



VICINITY MAP

APPROVAL FOR CONSTRUCTION

BUTTE COUNTY

LUHDORFF AND SCALMANINI CONSULTING ENGINEERS

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BUTTE COUNTY  
PALERMO, CALIFORNIA  
BUTTE COUNTY

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TITLE SHEET

SCALE  
DRAWING NUMBER  
G-1  
SHEET NUMBER  
01 of 66

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SCALE

INDEX OF DRAWINGS

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G-2

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# ABBREVIATIONS

AB	Aggregate Base	Dwy	Driveway	LF	Linear Foot	Rt	Right
ABBC	Asbestos Bonded Bituminous Coated	E	Each	Loc	Location	RW	Raw Water
ABM	Air-Blown Mortar	EA	Existing	Ln	Lane	Rte	Route
ABT	Anchor Bolt	ECR	End Curb Return	LS	Low Water Level	ROW	Right of Way
Abut	Abutment	EL	Elevation	Lt	Left	RWD	Redwood
AC	Asphaltic concrete	ELB	Elbow	Lump Sum	M	Salv	Salvage
ACB	Asphalt Concrete Base	ELEC	Electric	M	Male	SC	Sand Cushion
ACP	Asbestos Cement Pipe	Emb	Embankment	Max	Maximum	SCH	Schedule
AFES	Alternative Flared End Section	EP	Edge of Pavement	MBGR	Metal Beam Guard Railing	SD	Storm Drain
Alt	Alternate	ETW	Edge of Traveled Way	MCC	Motor Control Center	Sec	Section
ASB	Aggregate Subbase	EW	Each Way	MH	Manhole	Sep	Separation
Ave	Avenue	Exc	Excavation	MJ	Mile(s)	SG	Subgrade
Az	Azimuth	Exist	Existing	MIN	Minimum	Sho	Shoulder
BFE	Base Flood Elevation	Exp Jt	Expansion Joint	Misc	Miscellaneous	SHT	Sheet
BSP	Black Steel Pipe	F	Female	Mkr	Marker	SM	Selected Material
Bldg	Building	FCA	Flanged Coupling Adapter	ML	Match Line	Spec	Special
Blvd	Boulevard	Fdn	Foundation	Mod	Modified or Modify	SPP	Slotted Plastic Pipe
BM	Bench Mark	FEL&C	Fusion Epoxy Lined & Coated	Mon	Monument	SQFT	Square Foot
BV	Butterfly Valve	FES	Flared End Section	Mtl	Material	SQYD	Square Yard
BW	Backwash Water	FF	Filter Fabric	N	New	SS	Sanitary Sewer
CAP	Corrugated Aluminum Pipe	F&G	Frame & Grate	No	Number	SSTL	Stainless Steel
CARV	Combination Air Release Valve	FG	Finished Grade	NTS	Not to Scale	St	Street
CC	Center to Center	FH	Fire Hydrant	OC	On Center	STA	Station
CML&C	Cement Mortar Lined & Coated	FL	Flow Line	OD	Outside Diameter	Std	Standard
CF	Cubic Foot	FLG	Flange(d)	OG	Original Ground	STL	Steel
CFM	Cubic Feet per Minute	FRP	Fiberglass Reinforced Plastic	OH	Overhead	Surf	Surfacing
CIP	Cast Iron Pipe	FS	Flow Switch	OH	Overhead	SW	Sidewalk or Sound Wall
Clr	Clear, Clearance	Ft	Feet or Foot	PCC	Portland Cement Concrete	TBM	Temporary Bench Mark
CL	Centerline	Ftg	Footing	PE	Pedestrian	Tbr	Timber
CL	Class	FW	Finished Water	PG	Profile Grade	TC	Top of Curb
C.L.	Chain Link	Ga	Gage	PI	Point of Intersection	Temp	Temporary
CMP	Corrugated Metal Pipe	GAF	Galvanize After Fabrication	P	Plate	TG	Top of Grade
CMU	Concrete Masonry Unit	GAL	Gallon	P/L	Property Line	Thd	Threaded
Co	County	GALV	Galvanized	PB	Pull Box	TP	Telephone Pole
Col	Column	GPM	Gallons per Minute	POC	Point on Horizontal Curve	Trans	Transition
CONC	Concrete	GSP	Galvanized Steel Pipe	POT	Point on Tangent	Typ	Typical
CONN	Connection	GR	Ground	PP	Power Pole	Typ Sec	Typical Section
Const	Construct(ion)	GV	Gate Valve	PRV	Pressure Relief Valve	UD	Underdrain
CPLG	Coupling	H	Height	PVC	Polyvinyl Chloride (Pipe)	Val	Valve
CRSP	Concreted Rock Slope Protection	Horiz	Horizontal	Pvmt	Pavement	Var	Variable
CSP	Corrugated Steel Pipe	HS	High Strength	R	Radius	VCP	Vitrified Clay Pipe
CTB	Cement Treated Base	HV	Hose Valve	R&D	Remove & Dispose	Vert	Vertical
CY	Cubic Yard	HW	Headwall	R&R	Remove & Relocate	W	Width
CV	Check Valve	HWL	High Water Level	R&S	Remove & Salvage	W/O	Without
D	Drain	Hwy	Highway	R&W	Remove & Waste	WH	Weep Hole
Dbl	Double	ID	Inside Diameter	RCP	Reinforced Concrete Pipe	WWM	Welded Wire Mesh
DET	Detail	INST	Install	Rd	Road	WSP	Welded Steel Pipe
DI	Drainage/Drop Inlet	INV	Invert	RD	Relative Density	WT	Weight
Dia	Diameter	Irr	Irrigation	Reinf	Reinforced or Reinforcing	WV	Water Valve
DICL	Ductile Iron, Cement Lined	JP	Joint Pole	Relocate	Relocate	WW	Wing Wall
DIP	Ductile Iron Pipe	Jt	Joint	RP	Reference Point	XFMR	Transformer
Dist	Distance	L	Length	RR	Railroad	Xing	Crossing
Dr	Drive	LB	Pound	RSP	Rock Slope Protection	X Sec	Cross Section
DWG	Drawing						

# GENERAL NOTES

- BEFORE BEGINNING ANY EXCAVATION, THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT SYSTEM (1-800-642-2444) AND ALL UNDERGROUND FACILITIES SHALL BE LOCATED BY THE APPROPRIATE AGENCIES.
- LOCATIONS & DEPTHS OF EXISTING UNDERGROUND PIPELINES ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR EXACT FIELD LOCATIONS. A MINIMUM OF 12" VERTICAL CLEARANCE BETWEEN PIPES CROSSING UNDERGROUND SHALL BE MAINTAINED WHETHER SHOWN ON THE DRAWINGS OR NOT. ANY CONFLICTS IN PIPING WILL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- THE CONTRACTOR SHALL CONSTRUCT THE WORK SPECIFIED IN THESE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE IMPROVEMENT STANDARDS OF BUTTE COUNTY AND SOUTH FEATHER WATER AND POWER AGENCY IMPROVEMENT STANDARDS. ANY WORK NOT COVERED BY THE REFERENCES ABOVE, SHALL BE IN ACCORDANCE WITH THE STATE OF CALIF. DEPT. OF TRANSPORTATION CURRENT STANDARD SPECIFICATIONS AND STANDARD PLANS.
- THE CONTRACTOR SHALL NOT BEGIN WORK SHOWN HEREIN UNTIL THE COUNTY ENGINEER'S SIGNATURE OF APPROVAL IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY, OWNER AND ENGINEER HARMLESS 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 COUNTY, OWNER OR ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 2 WORKING DAYS IN ADVANCE OF ANY WORK WHICH WILL REQUIRE THE INSPECTION SERVICES OF THE COUNTY OR THE ENGINEER. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, EXCAVATION WORK AND BACKFILLING AROUND EXISTING UTILITIES SUCH AS WATER, SEWER, STORM DRAINS, GAS, ETC.
- THE CONTRACTOR SHALL NOTIFY THE COUNTY DEPT. OF PUBLIC WORKS AND TRANSPORTATION FOR A PRECONSTRUCTION CONFERENCE (10) TEN DAYS IN ADVANCE OF STARTING ANY CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS OF AND SHALL POSSESS APPROVED PLANS PRIOR TO BEGINNING WORK. A SET OF SIGNED AND APPROVED PLANS ARE TO BE ON-SITE AT ALL TIMES.
- CONTRACTOR TO NOTIFY SOUTH FEATHER WATER AND POWER AGENCY AT LEAST 48 HOURS PRIOR TO ANY WORK ON EXISTING PIPELINES.
- TIE-INS SHALL OCCUR AFTER COMPLETION OF ALL PRESSURE TESTING AND BACTERIOLOGICAL TESTING.
- CONTRACTOR TO COORDINATE WATER METER-BOX LOCATION WITH OWNER.
- CONTRACTOR TO INSTALL WATER MAIN AT 5- FEET FROM CENTERLINE OF STREET.

# ELECTRICAL SYMBOL LEGEND

	FLUORESCENT FIXTURE	MF1	1/2" W. W/ 3-#12 W/G. UNLESS OTHERWISE NOTED.
	WALL MOUNTED/BRACKET FIXTURE		CONDUIT, EXPOSED
	SWITCH S.P.S.T.		BRANCH CIRCUIT HOMERUN. CROSS HATCHING INDICATES NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO OR U.O.N.
	SWITCH 3-WAY		CONDUIT, CONCEALED; FLOOR OR UNDERGROUND
	DUPLEX OUTLET, 20A, 125V, GROUNDED		CONDUIT, CONCEALED; WALL OR CEILING
	DUPLEX OUTLET, GFI PROTECTED		OUTLET, THERMOSTAT; +60" U.O.N.
	JUNCTION BOX; CEILING, WALL		CIRCUIT
	W.P. DISCONNECT		+24" INDICATES MOUNTING HEIGHT TO CENTER OF OUTLET A.F.F.
	MOTOR STARTER		U.O.N. UNLESS OTHERWISE NOTED
	TRANSFORMER		W.P. ADJACENT TO SYMBOL INDICATES WEATHERPROOF OUTLET OR DEVICE
	(E) PANELBOARD		G.F.I. GROUND FAULT PROTECTED OUTLET OR CIRCUIT
	(N) PANELBOARD		
	TERMINAL CABINET		
	MOTOR		
	(N) NEW		
	(E) EXISTING		
	FM FLOW METER		

# PIPING SYMBOLS

	Concrete Thrust Block w/Anchor Rod
	Gate Valve, Ball Valve, Globe Valve
	Check Valve
	Split Disc Check Valve
	Solenoid Valve
	Pressure Reducing Valve
	Saunders Diaphragm Valve
	Pressure Relief Valve
	Plug Valve
	Angle Valve
	Butterfly Valve
	Union
	Reducer
	Strainer
	Cleanout
	Pressure Gauge or Switch
	Hose Valve
	Fire or Wharf Hydrant
	Mechanical Joint or Bell & Spigot Fitting
	Flanged Fitting
	Flanged Coupling Adapter
	Flexible Coupling
	Grooved Coupling
	Mechanical Joint
	Mega-Lug

# EXISTING TOPOGRAPHIC LINES & SYMBOLS

	Building or Foundation		Ground Cover
	Shoulder		Roadside Signs (New & Existing)
	Surfaced Road w/Lane Stripe		Transmission Tower
	Edge of Pavement		Fire Hydrant
	Curb w/Gutter		Power/Utility Pole
	Gravel or Dirt Road Drives or Walks		Manhole
	Trail		Valve
	Railroad	<b>Existing Underground Utilities</b>	
	Bridge		Water
	Culvert & Headwalls		Gas
	Fence & Gate		Sewer
	Retaining Wall w/Fence on Top		Electric
	Wall		Telephone
	Guard Rail		Gasoline
	Small Stream or Ditch		Oil
	Body of Water		Television
	Orchard, Missing Trees, Interior Trees		Storm Drain
	Trees		Fiberoptics
	Spot Elevation	<b>CONTROL POINTS</b>	
	Property Line		Horizontal & Vertical Control Point
	Center Line		Horizontal Control Point
			Vertical Control Point
			Bench Mark

# NEW CONSTRUCTION & CADASTRAL SYMBOLS

	Right of Way Lines		Centerline or Layout Lines
	Slope Lines		Section Identification Letter Sheet Number Where Section Appears (-- Indicates section located on same page)
	Original Ground Line		Detail Identification Letter Sheet Number Where Detail Appears (-- Indicates detail located on same page)
	Boundary Line		Detail/Section Identification Letter (Not Referenced in Plans)
	Spot Elevation		New Facilities
	Structure (Bridge)		Existing Facilities
	Fire Hydrant		Fence
	Manhole		Property Line
	Valve		Easement
	New Underground Utilities		New Embankment
	Water		Existing Embankment
	Gas		Existing Pipe or Structure to be Abandoned or Removed
	Sewer		Tree & Trunk Diameter
	Electric		Tree to be Removed
	Telephone		Existing Power Pole
	Gasoline		
	Oil		
	Television		
	Storm Drain		

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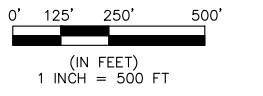
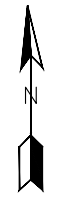
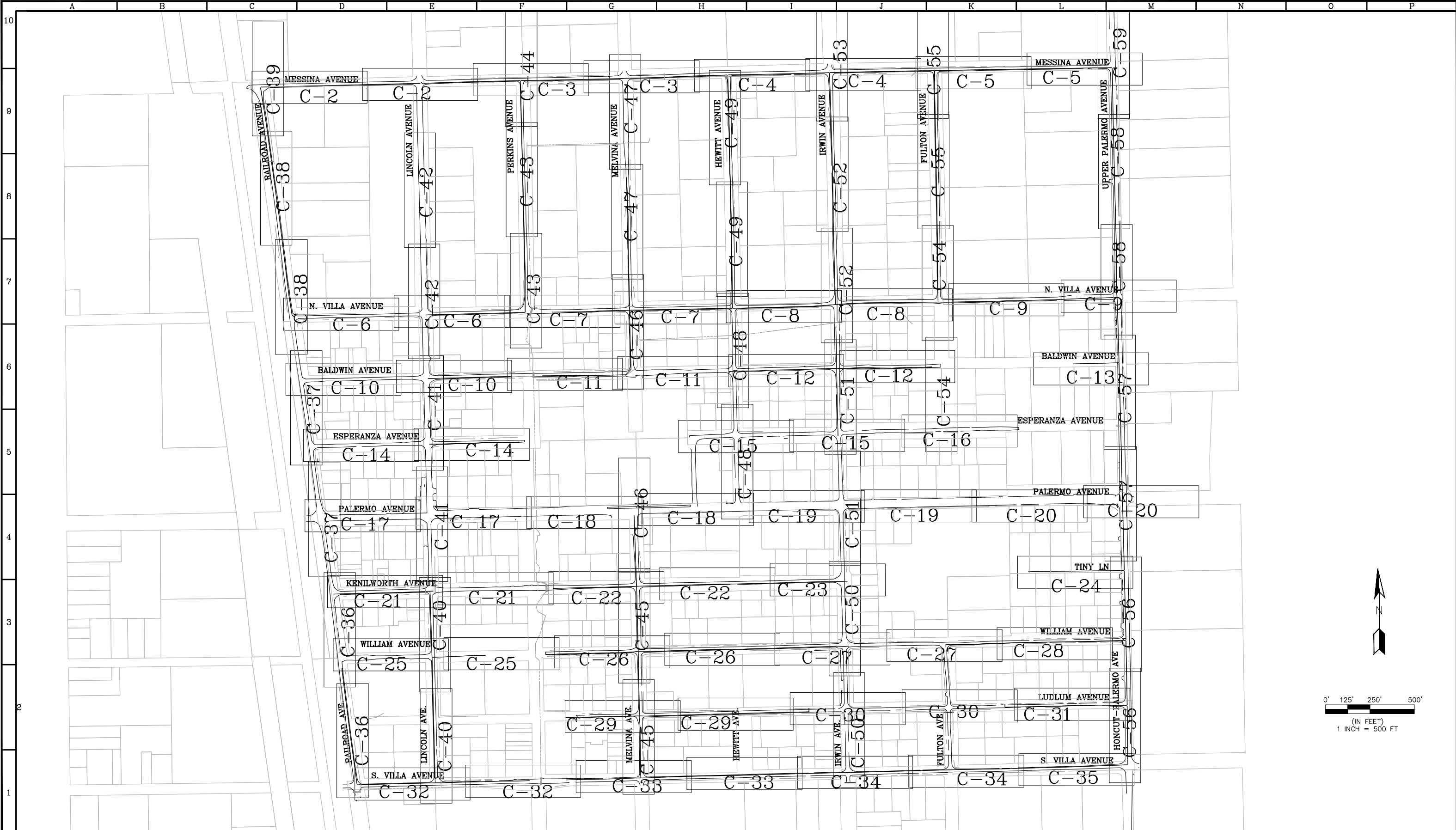
BUTTE COUNTY  
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# ABBREVIATIONS, NOTES, AND SYMBOLS

SCALE
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G-3
SHEET NUMBER
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OVERALL  
SITE PLAN

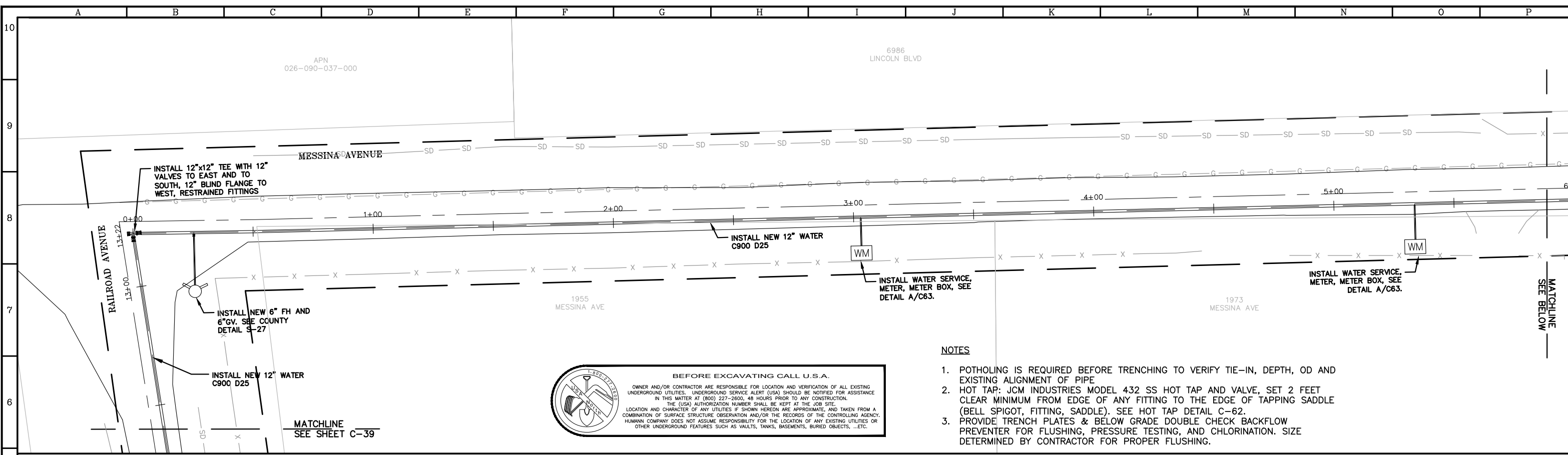
SCALE  
1" = 500'

DRAWING NUMBER  
C-1

SHEET NUMBER  
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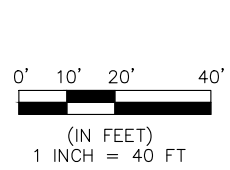
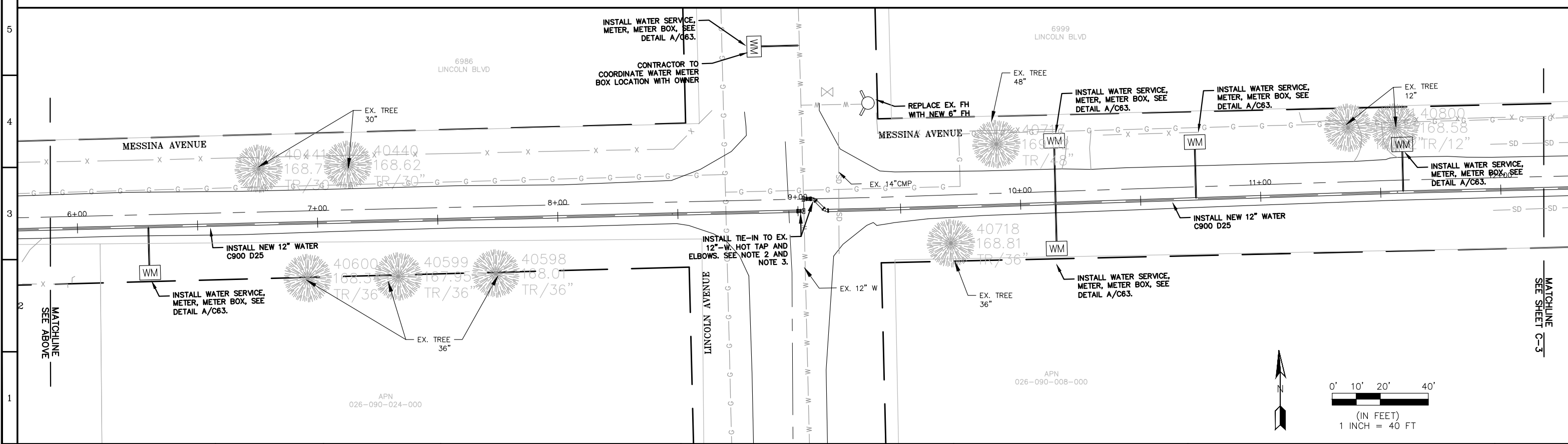


**BEFORE EXCAVATING CALL U.S.A.**

OWNER AND/OR CONTRACTOR ARE RESPONSIBLE FOR LOCATION AND VERIFICATION OF ALL EXISTING UNDERGROUND UTILITIES. UNDERGROUND SERVICE ALERT (USA) SHOULD BE NOTIFIED FOR ASSISTANCE IN THIS MATTER AT (800) 227-2600, 48 HOURS PRIOR TO ANY CONSTRUCTION. THE (USA) AUTHORIZATION NUMBER SHALL BE KEPT AT THE JOB SITE. LOCATION AND CHARACTER OF ANY UTILITIES IF SHOWN HEREON ARE APPROXIMATE, AND TAKEN FROM A COMBINATION OF SURFACE STRUCTURE OBSERVATION AND/OR THE RECORDS OF THE CONTROLLING AGENCY. HUMANNI COMPANY DOES NOT ASSUME RESPONSIBILITY FOR THE LOCATION OF ANY EXISTING UTILITIES OR OTHER UNDERGROUND FEATURES SUCH AS VAULTS, TANKS, BASEMENTS, BURIED OBJECTS, ...ETC.

**NOTES**

1. POTHOLING IS REQUIRED BEFORE TRENCHING TO VERIFY TIE-IN, DEPTH, OD AND EXISTING ALIGNMENT OF PIPE
2. HOT TAP: JCM INDUSTRIES MODEL 432 SS HOT TAP AND VALVE, SET 2 FEET CLEAR MINIMUM FROM EDGE OF ANY FITTING TO THE EDGE OF TAPPING SADDLE (BELL SPIGOT, FITTING, SADDLE). SEE HOT TAP DETAIL C-62.
3. PROVIDE TRENCH PLATES & BELOW GRADE DOUBLE CHECK BACKFLOW PREVENTER FOR FLUSHING, PRESSURE TESTING, AND CHLORINATION. SIZE DETERMINED BY CONTRACTOR FOR PROPER FLUSHING.



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MESSINA AVE  
BETWEEN RAILROAD AVE  
AND PERKINS AVE

SCALE  
1" = 40'  
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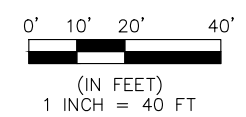
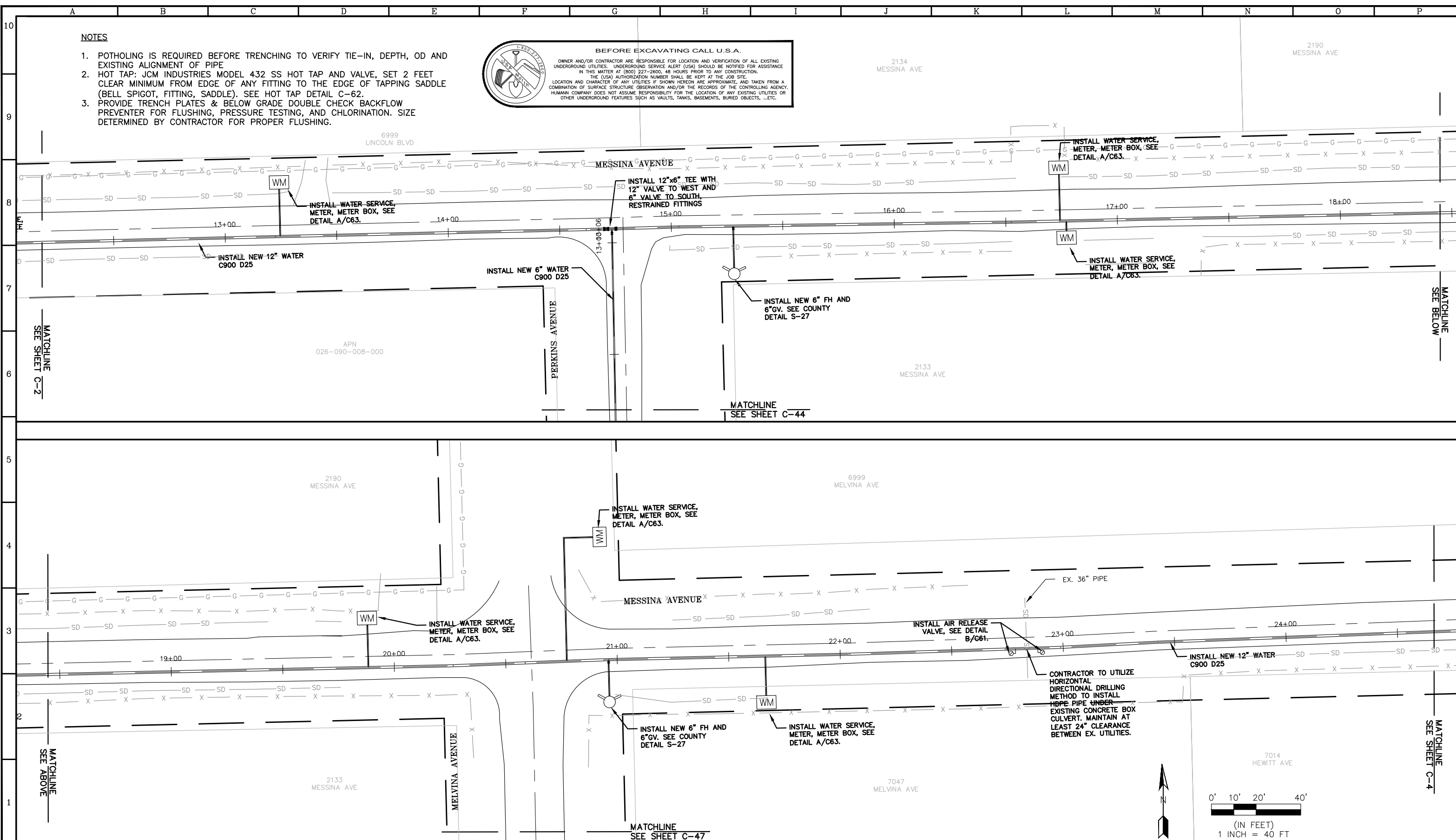
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LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)  
 FILE C.dwg  
 DRAWN LL  
 DESIGNED OS  
 CHECKED JD  
 DATE APRIL 2022



REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

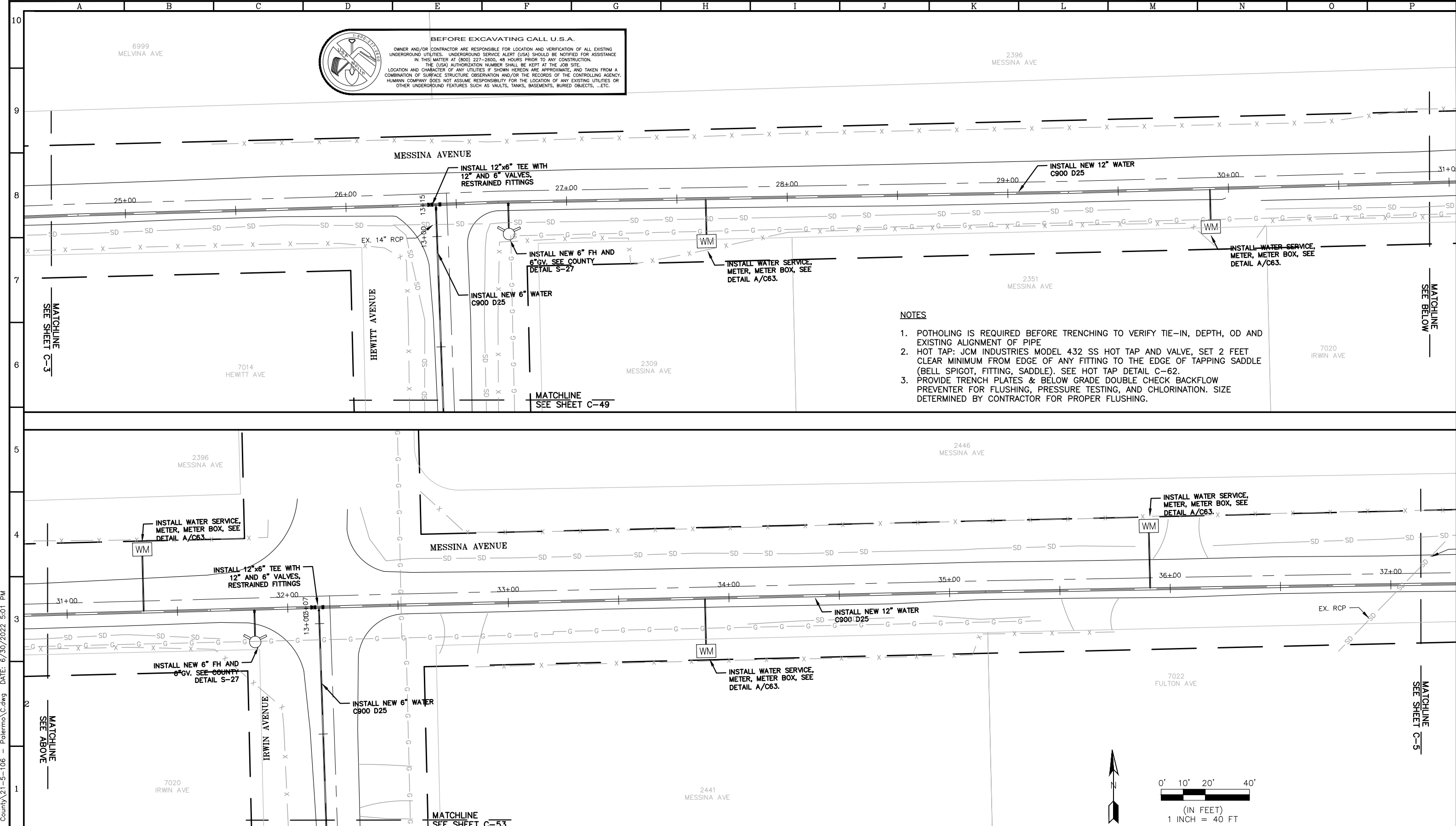
MESSINA AVE  
 BETWEEN LINCOLN BLVD  
 AND HEWITT AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-3**  
 SHEET NUMBER  
**06 OF 66**

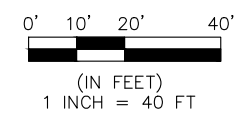




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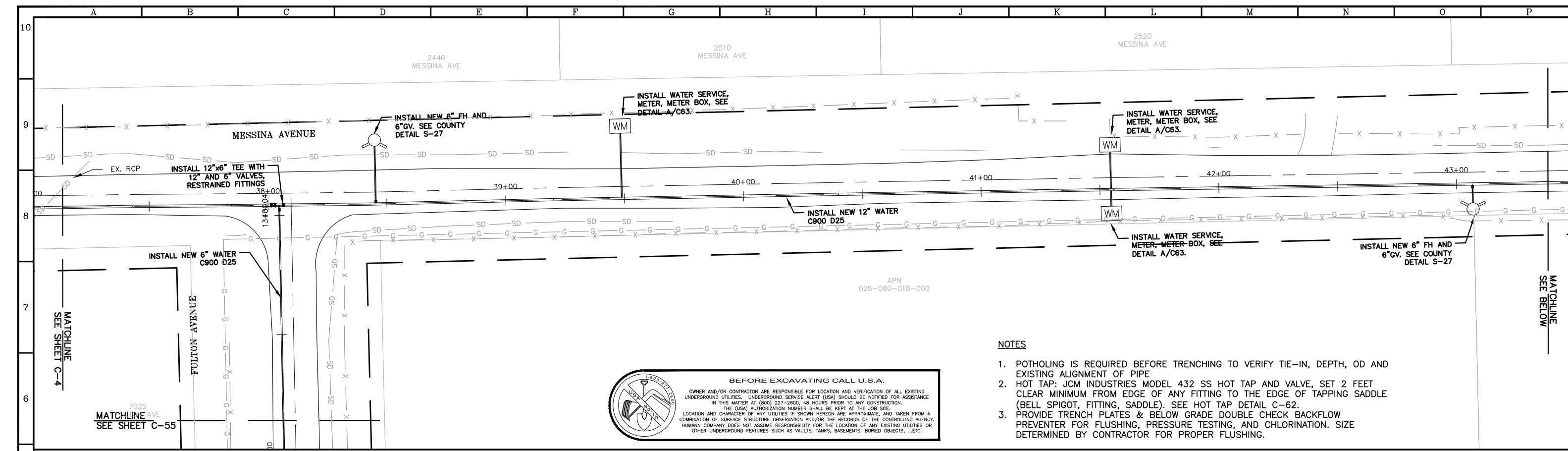
REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

MESSINA AVE  
 BETWEEN MELVINA AVE  
 AND FULTON AVE

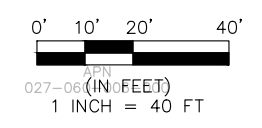
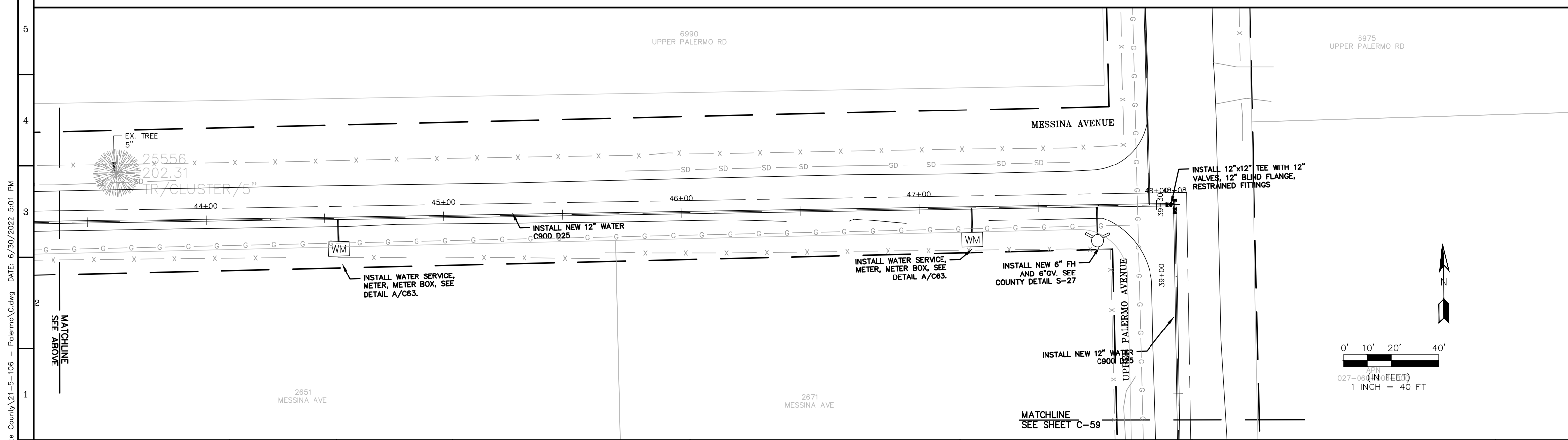
SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-4  
 SHEET NUMBER  
 07 OF 66



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BUTTE COUNTY  
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**BUTTE COUNTY**

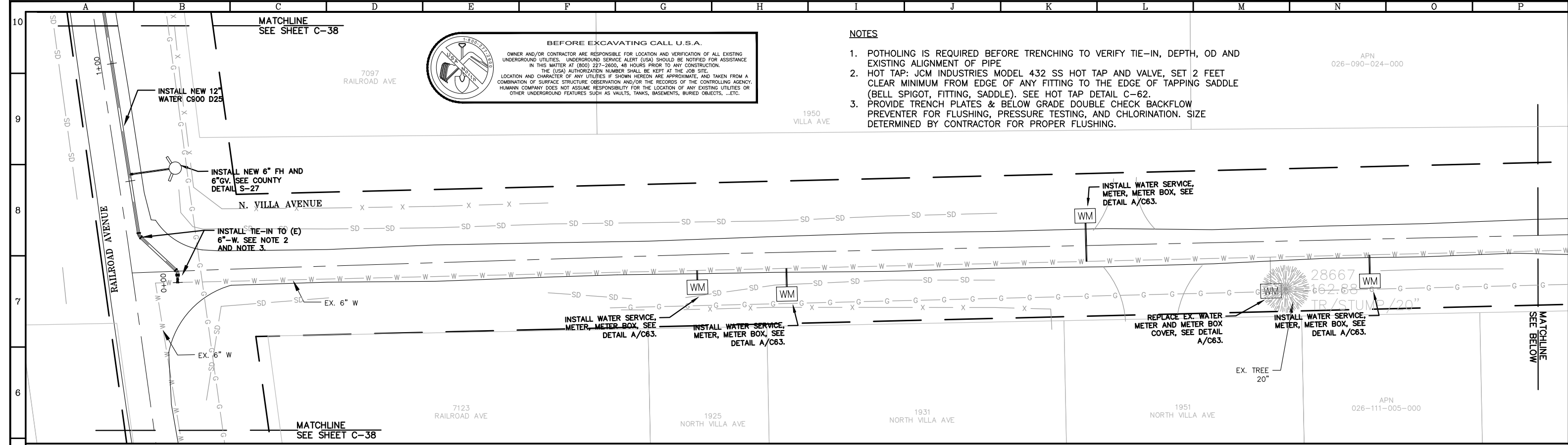
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MESSINA AVE  
 BETWEEN IRWIN AVE AND  
 UPPER PALERMO RD

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-5**  
 SHEET NUMBER  
**08 of 66**

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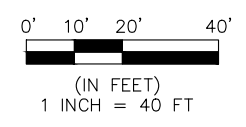
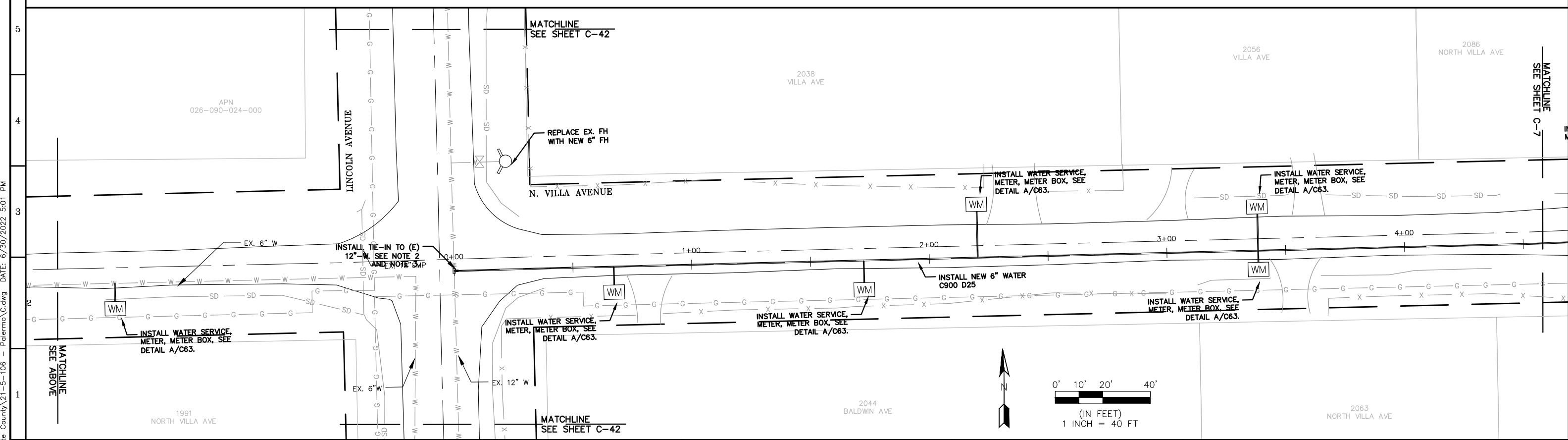
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REVISIONS				
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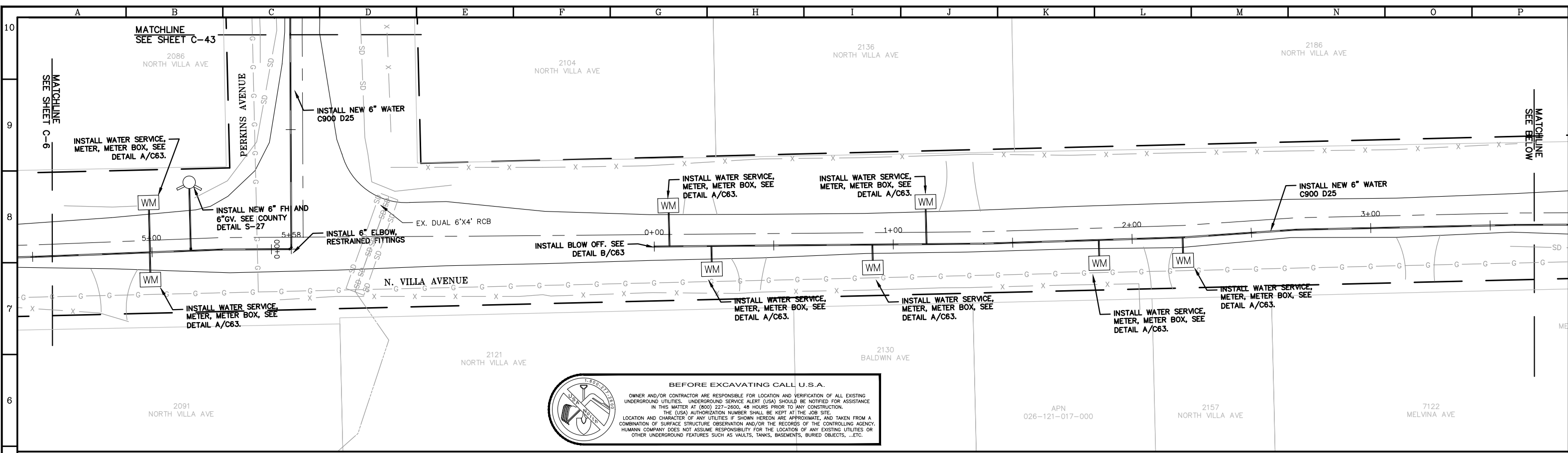
**BUTTE COUNTY  
PALERMO, CALIFORNIA  
BUTTE COUNTY**

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

N VILLA AVE  
BETWEEN RAILROAD AVE  
AND PERKINS AVE

SCALE  
1" = 40'  
 DRAWING NUMBER  
C-6  
 SHEET NUMBER  
09 OF 66

CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C.dwg DATE: 6/30/2022 5:01 PM



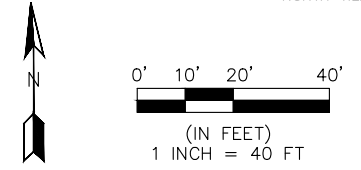
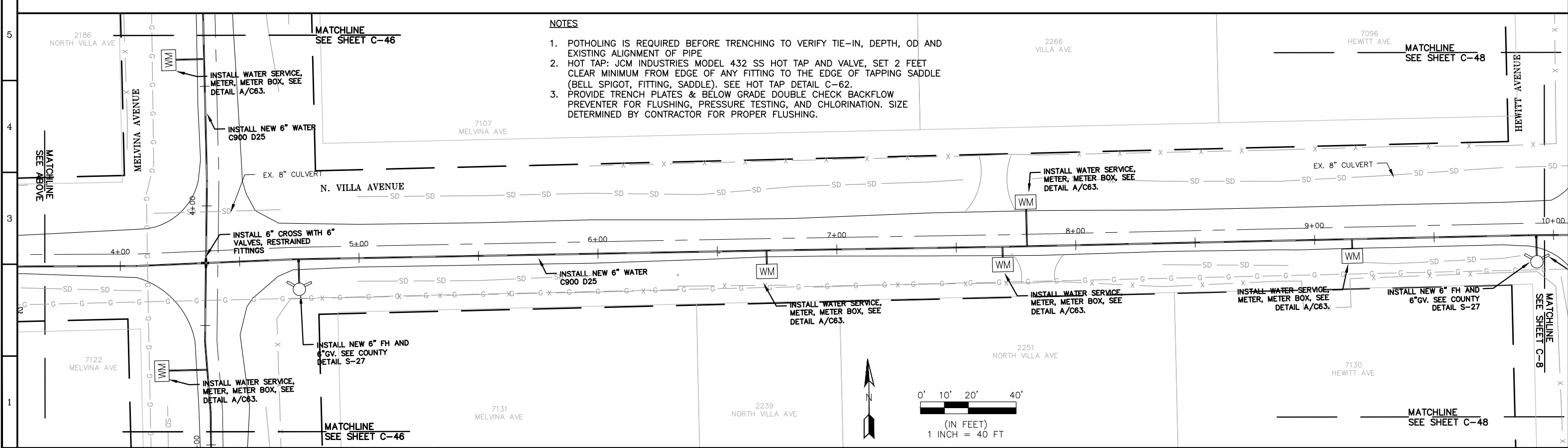
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APN 026-121-017-000

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FILE: C.dwg  
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REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
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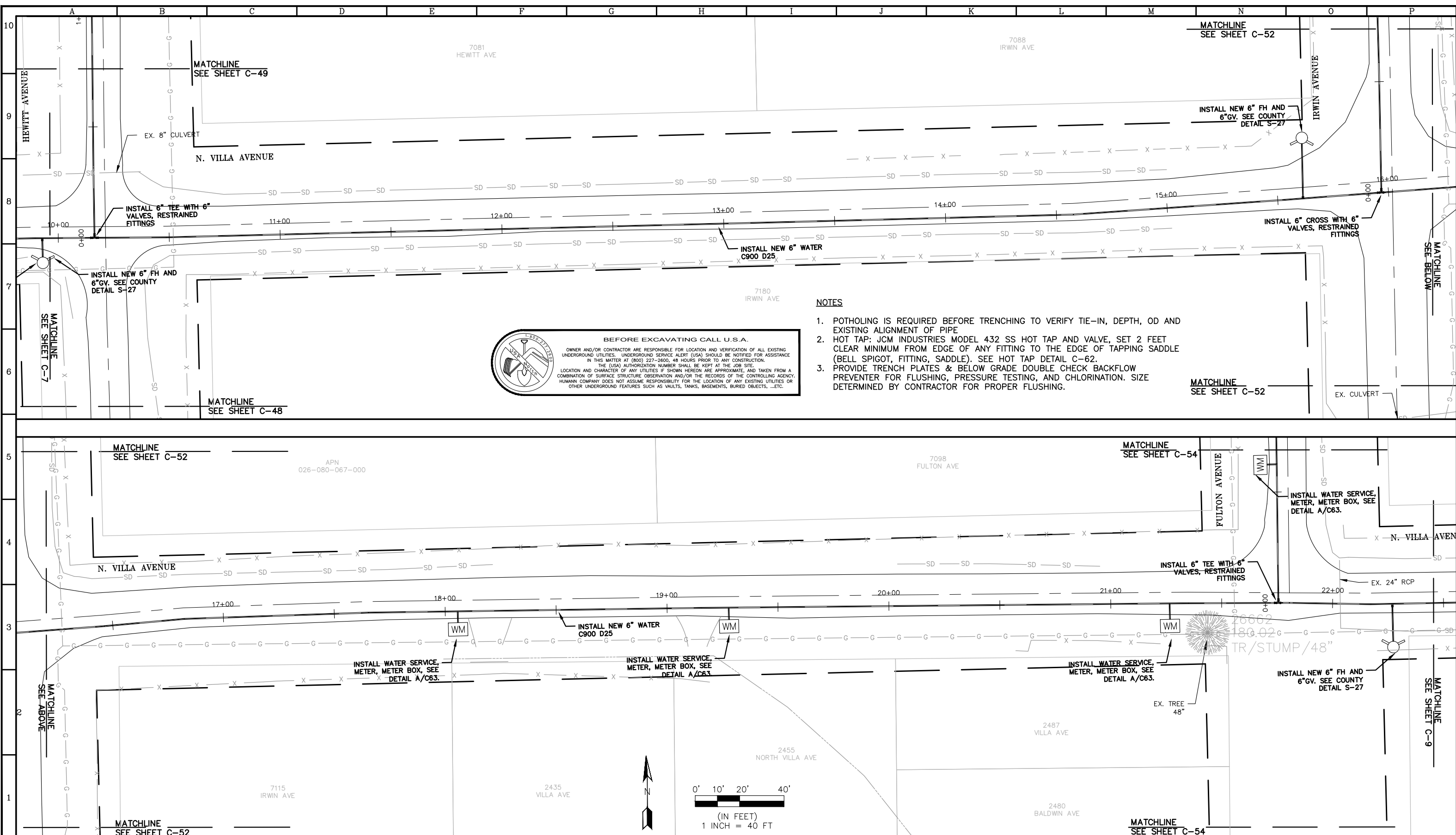
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N VILLA AVE  
 BETWEEN LINCOLN BLVD  
 AND HEWITT AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-7**  
 SHEET NUMBER  
 10 OF 66



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BUTTE COUNTY  
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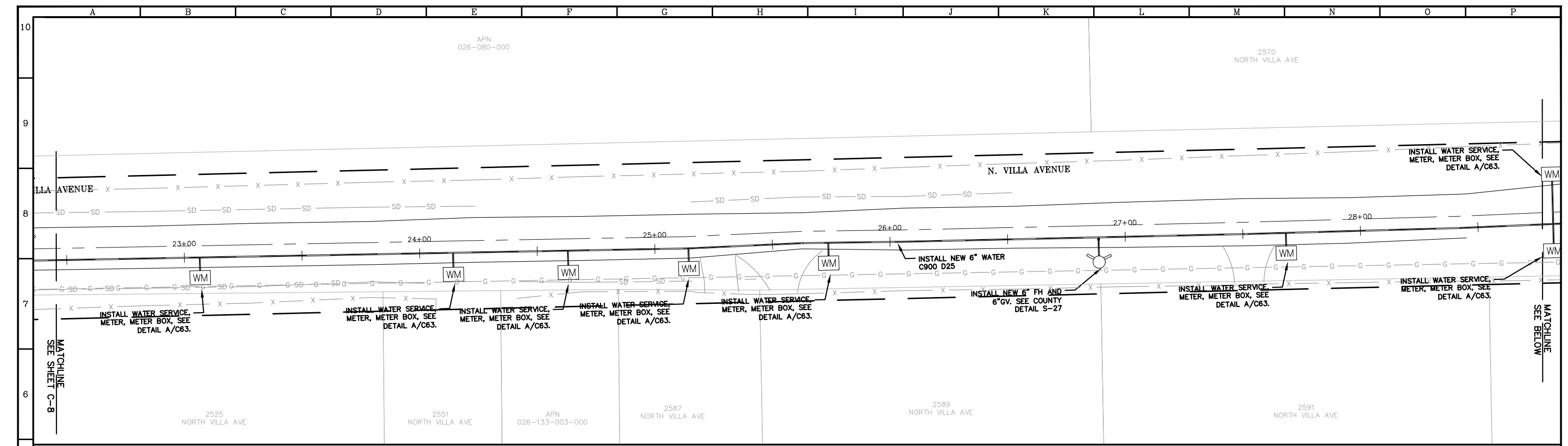
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 BETWEEN HEWITT AVE  
 AND FULTON AVE

SCALE  
 1" = 40'

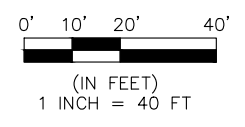
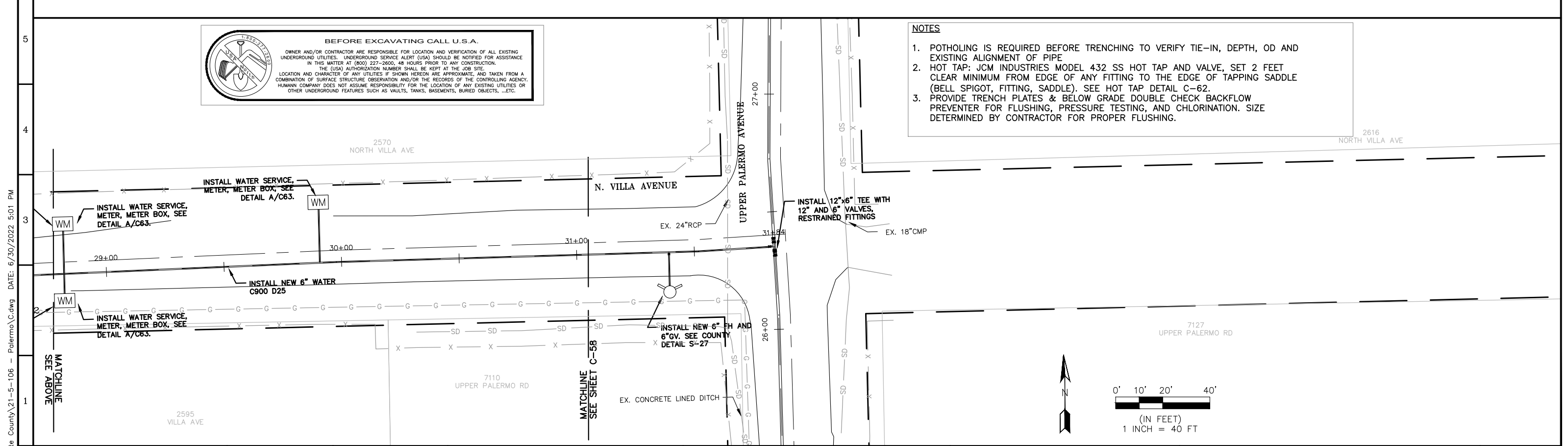
DRAWING NUMBER  
 C-8

SHEET NUMBER  
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REVISIONS				
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BUTTE COUNTY  
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**BUTTE COUNTY**

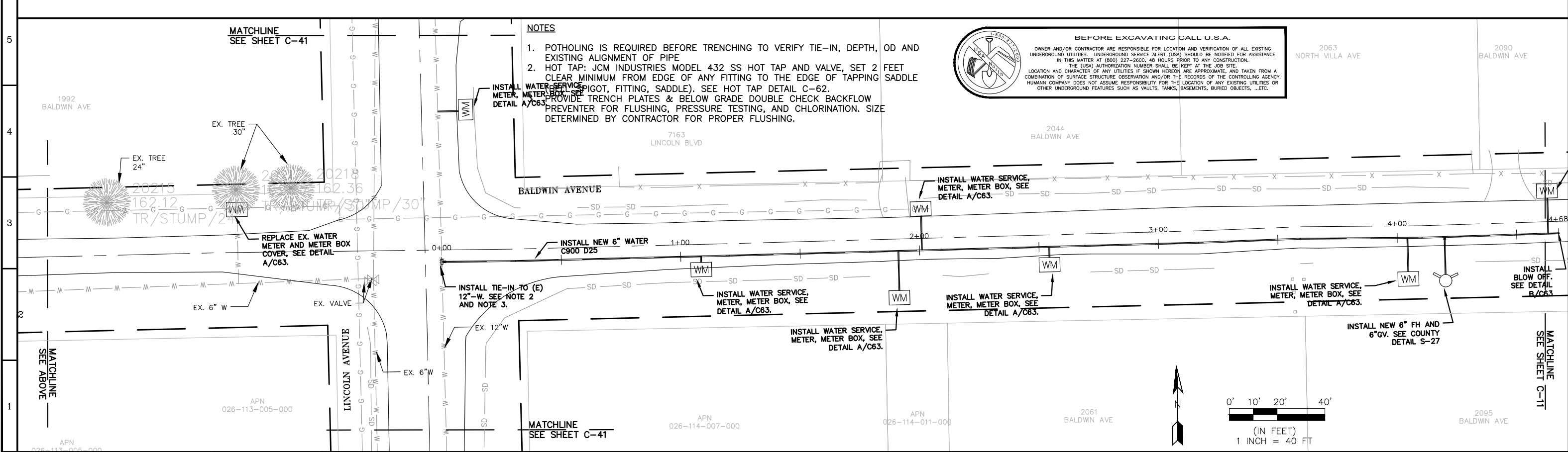
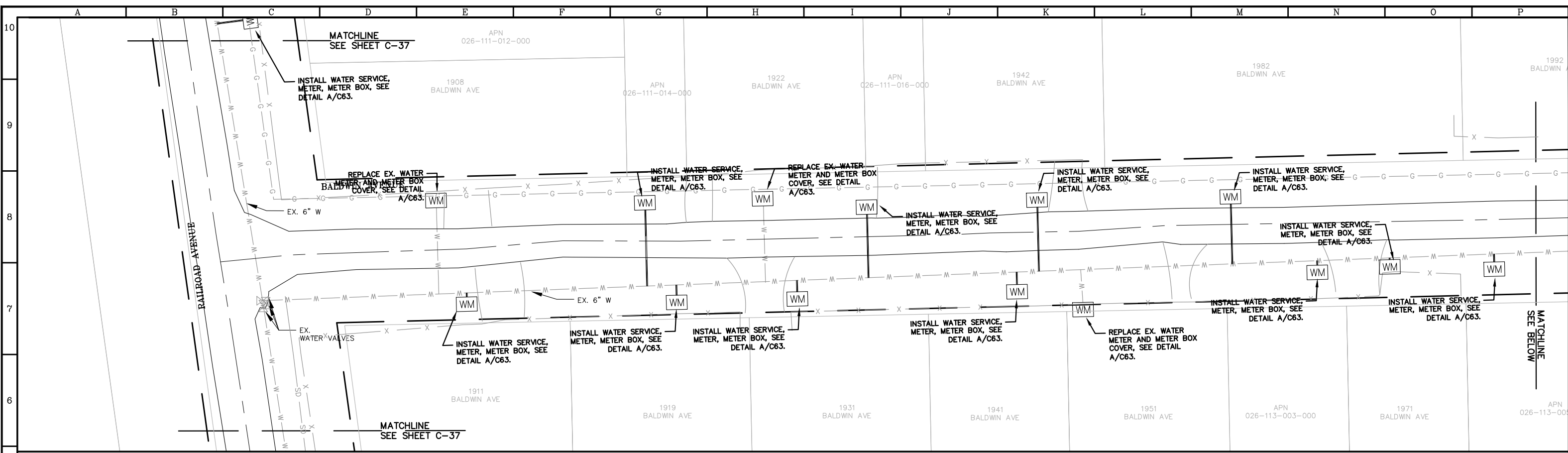
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N VILLA AVE  
 BETWEEN FULTON AVE AND  
 UPPER PALERMO RD

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-9**  
 SHEET NUMBER  
 12 OF 66

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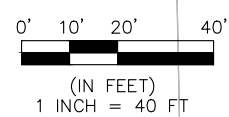
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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

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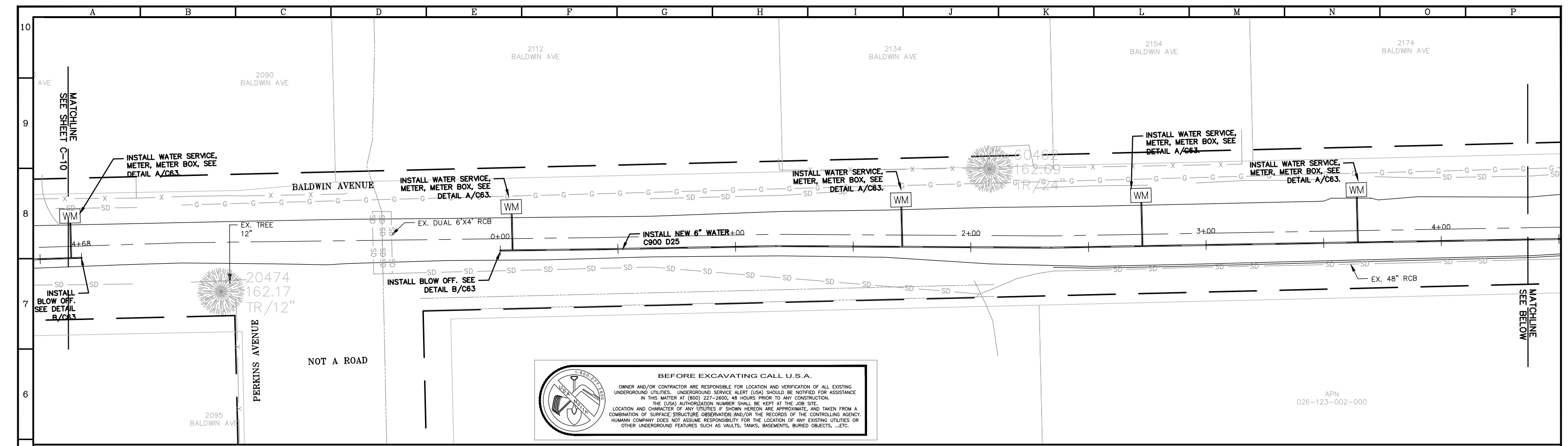
BALDWIN AVE  
 BETWEEN RAILROAD AVE  
 AND MELVINA AVE

SCALE  
 1" = 40'

DRAWING NUMBER  
 C-10

SHEET NUMBER  
 13 OF 66

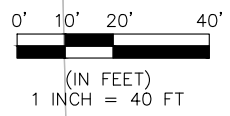




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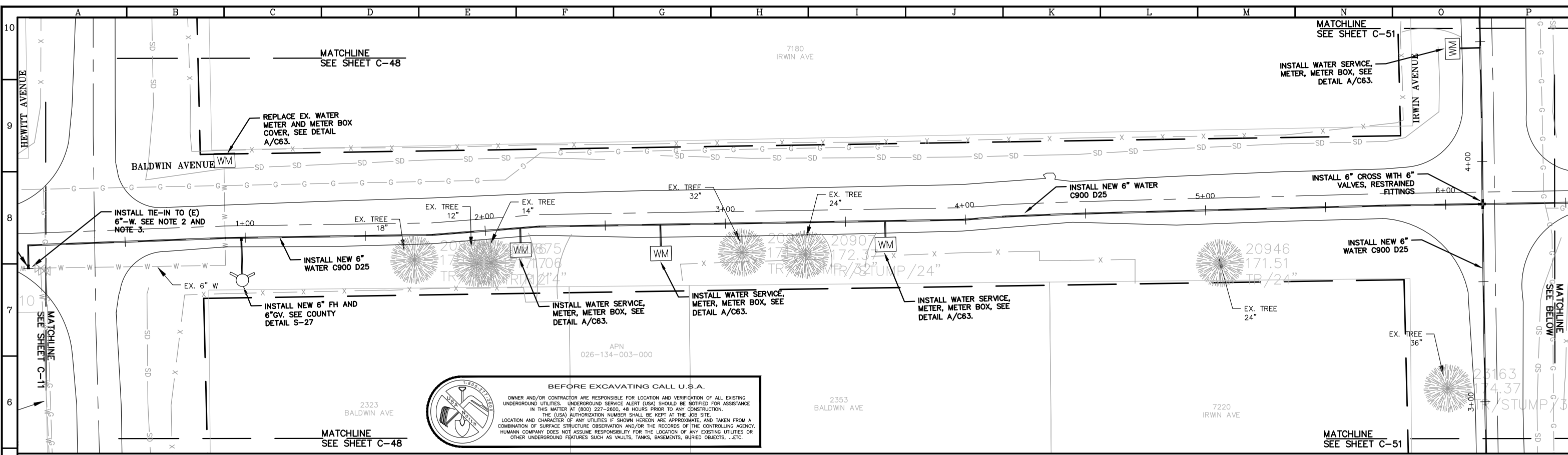
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BUTTE COUNTY**

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**BALDWIN AVE  
BETWEEN LINCOLN AVE  
AND HEWITT AVE**

SCALE  
1" = 40'  
 DRAWING NUMBER  
C-11  
 SHEET NUMBER  
14 OF 66

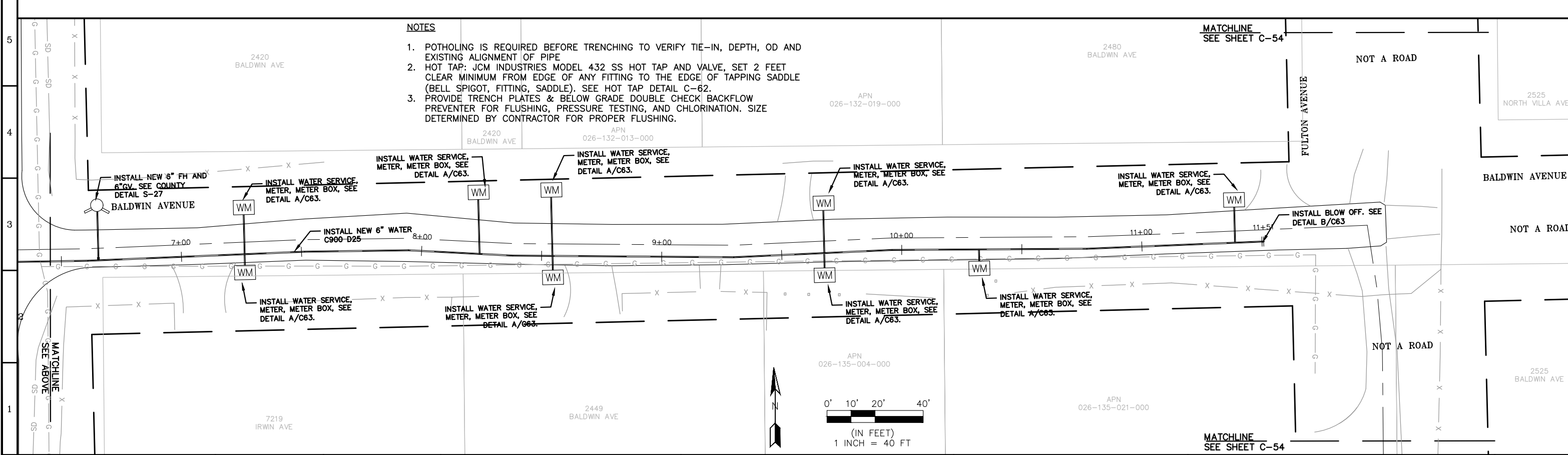
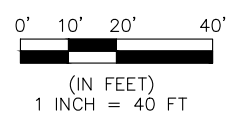
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LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)

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 DESIGNED: OS  
 CHECKED: JD  
 DATE: APRIL 2022



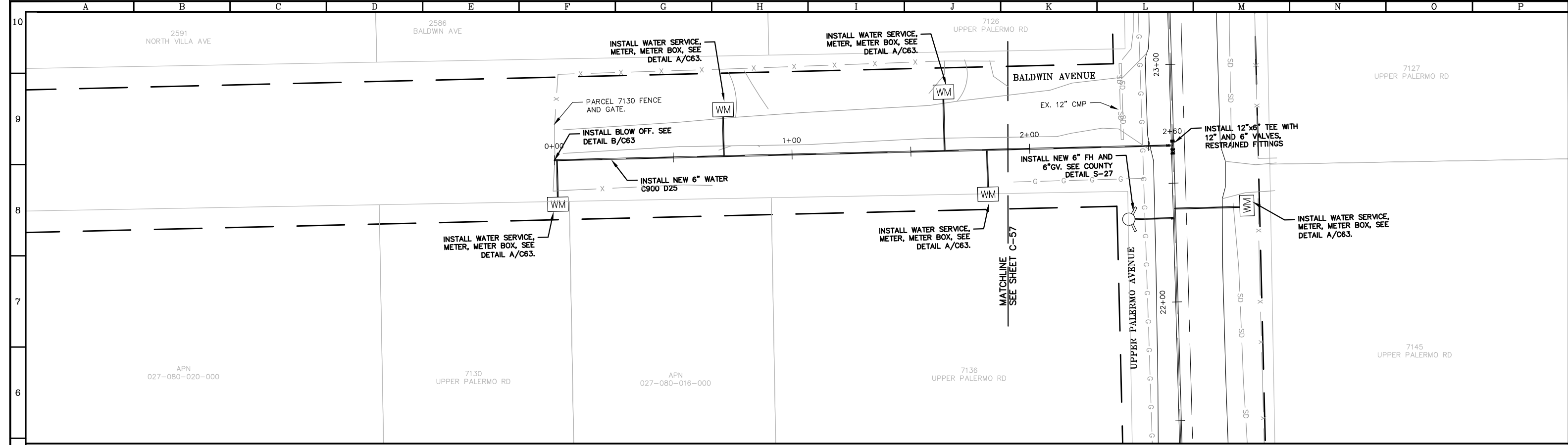
REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

BALDWIN AVE  
 BETWEEN HEWITT AVE  
 AND FULTON AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-12  
 SHEET NUMBER  
 15 OF 66



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REVISIONS					
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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

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BALDWIN AVE  
 BETWEEN FULTON AVE AND  
 UPPER PALERMO RD

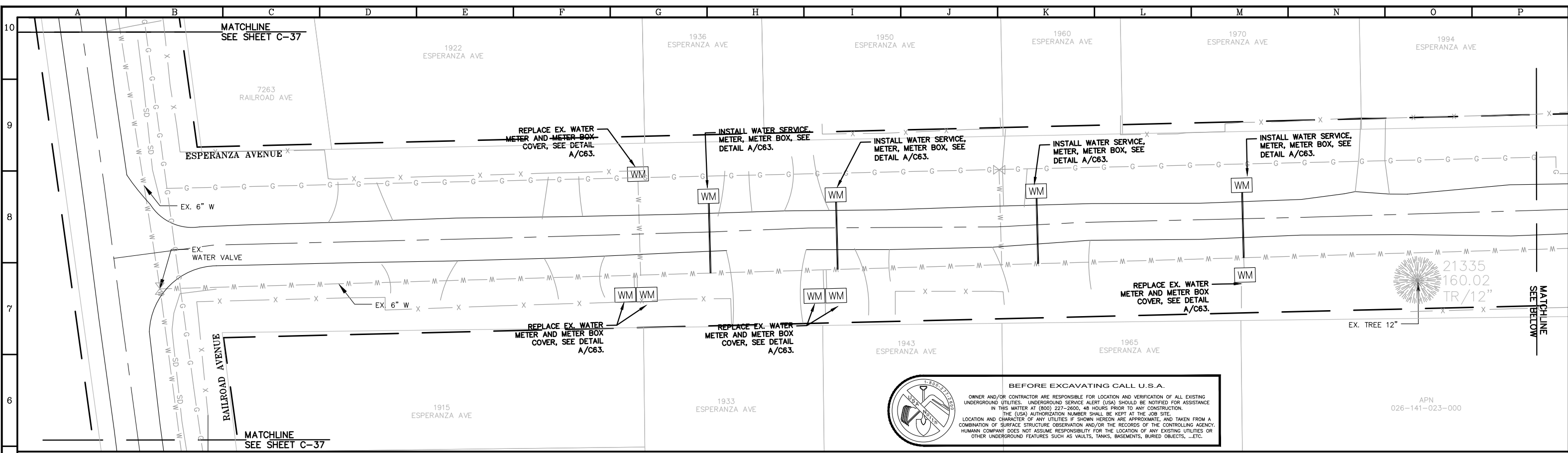
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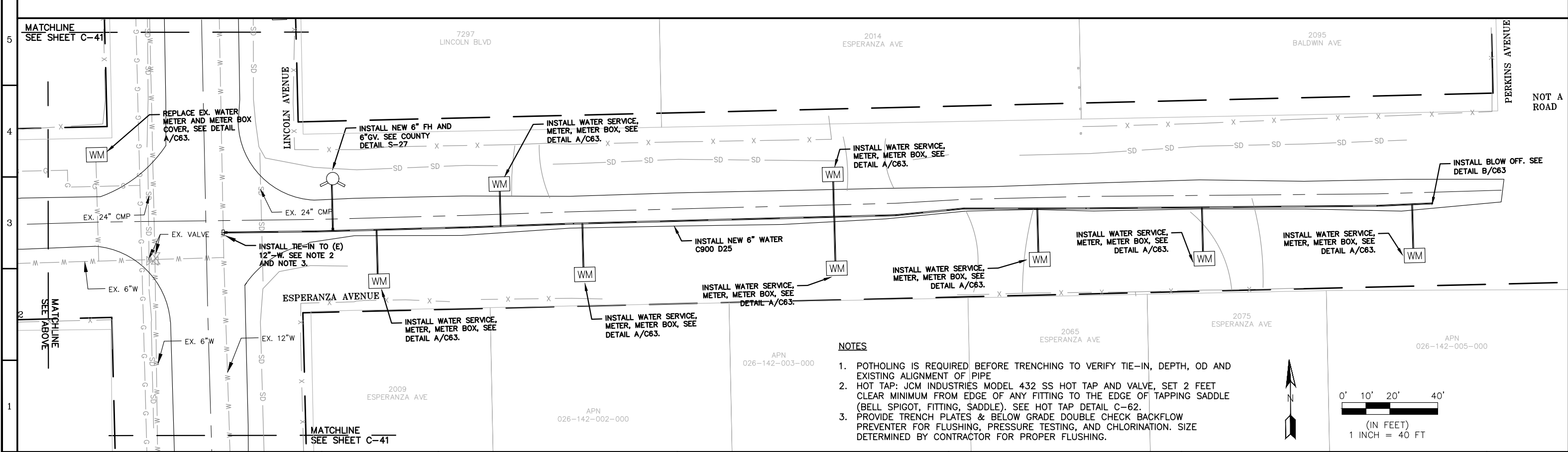
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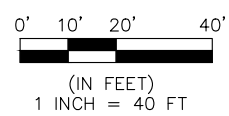


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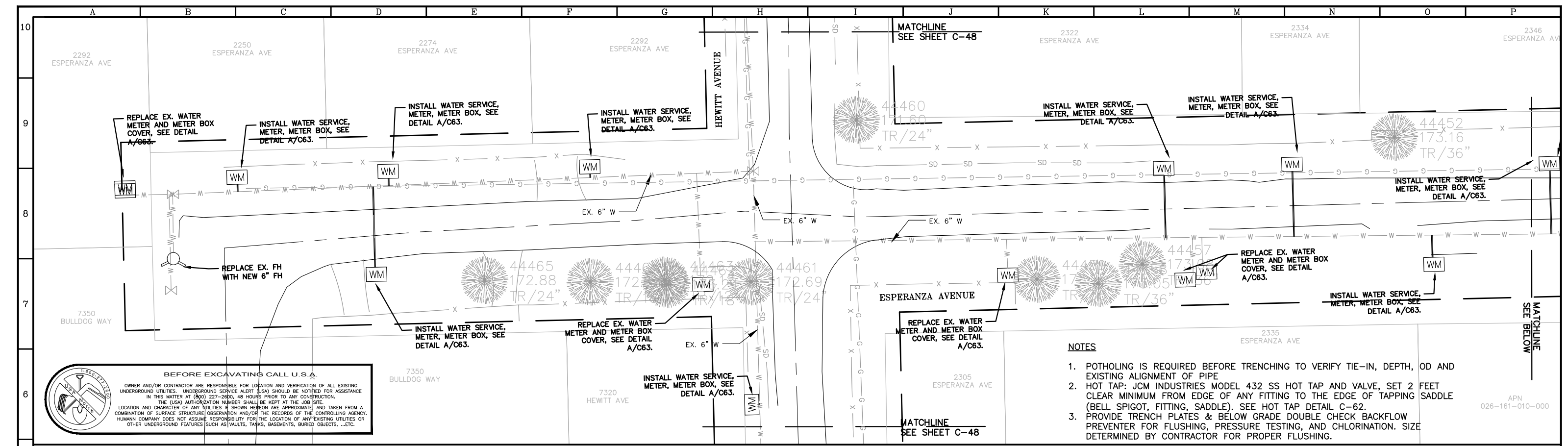
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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

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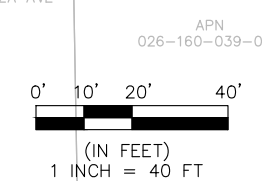
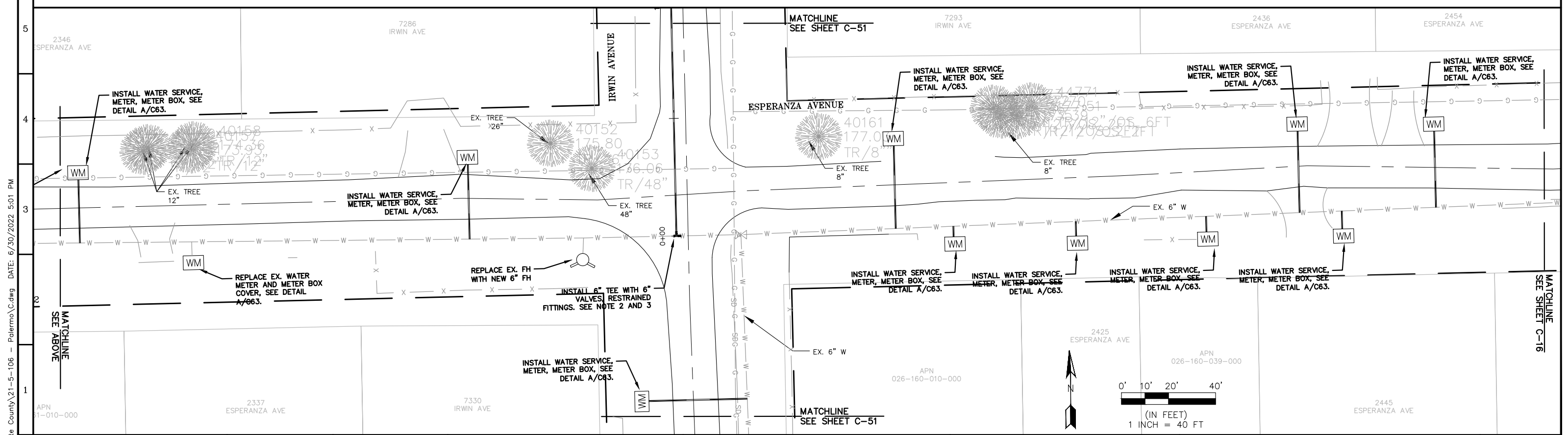
ESPERANZA AVE  
 BETWEEN RAILROAD AVE  
 AND PERKINS AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-14  
 SHEET NUMBER  
 17 OF 66



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Butte County  
CALIFORNIA

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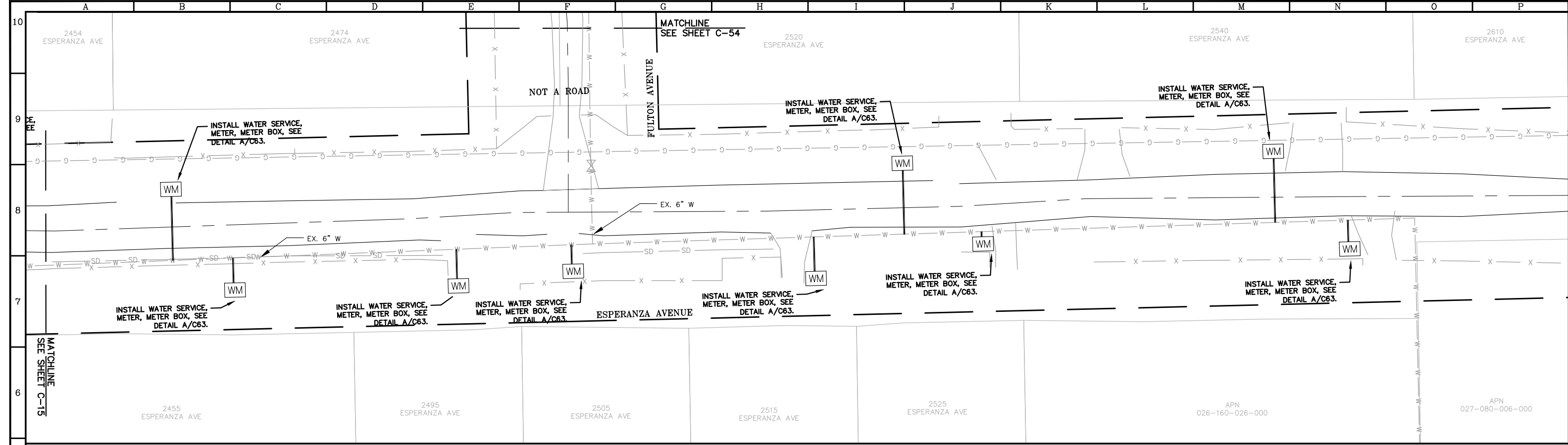
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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**ESPERANZA AVE  
 BETWEEN PERKINS AVE  
 AND IRWIN AVE**

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-15**  
 SHEET NUMBER  
 18 OF 66

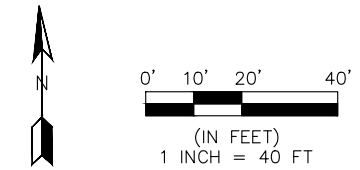


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ESPERANZA AVE  
 BETWEEN IRWIN AVE AND  
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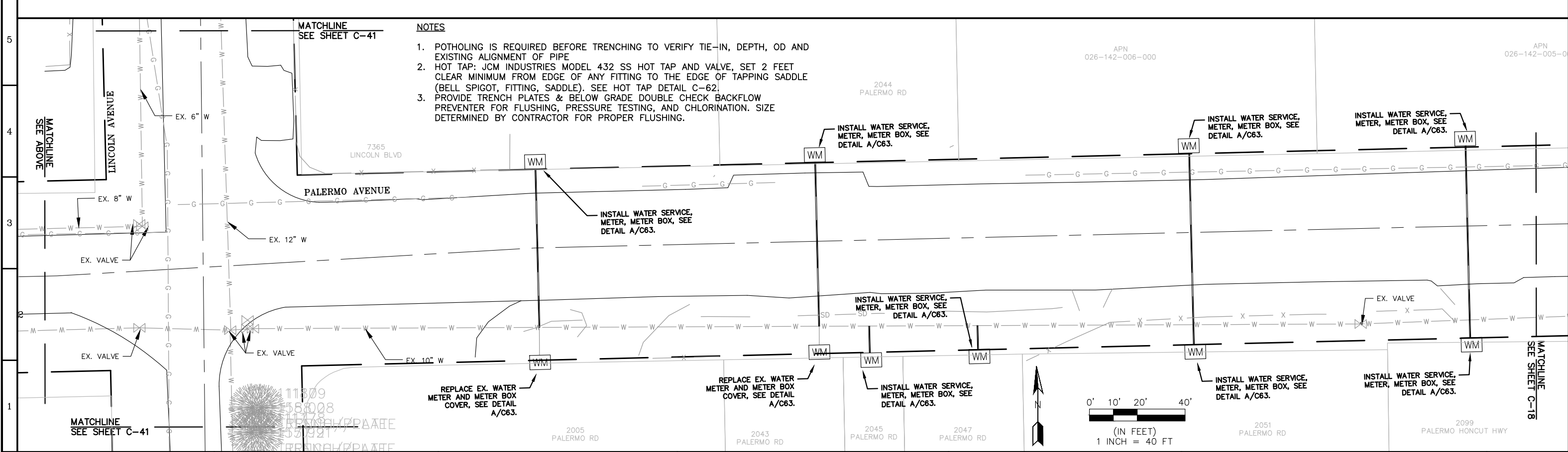
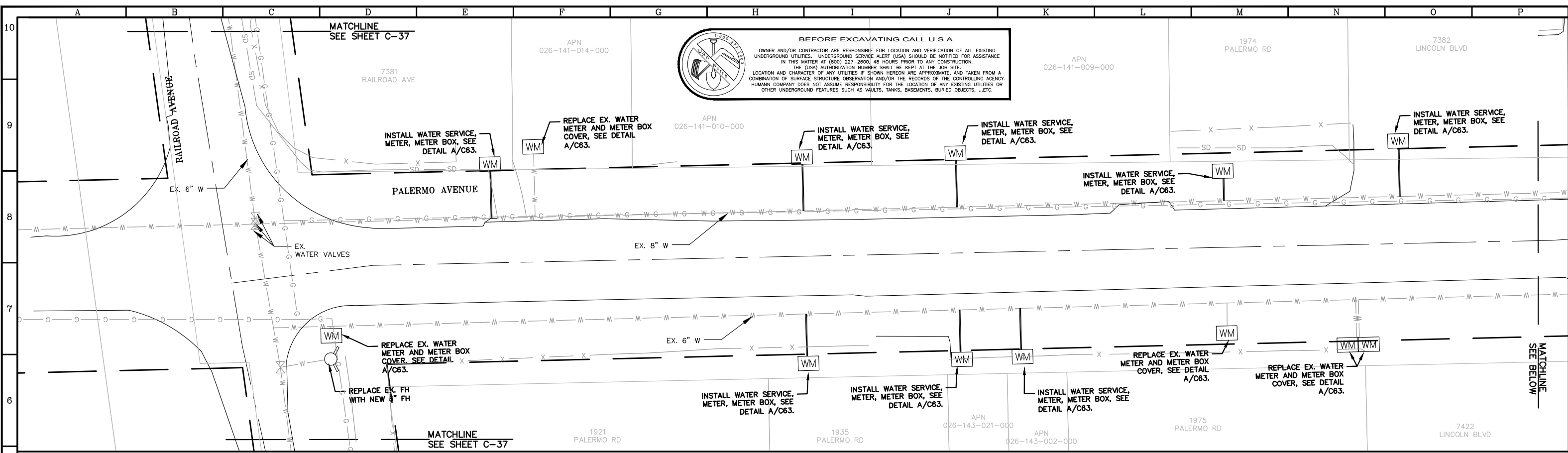
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DRAWING NUMBER  
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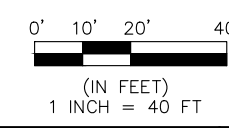
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 BUTTE COUNTY

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PALERMO RD  
 BETWEEN RAILROAD AVE  
 AND MELVINA AVE

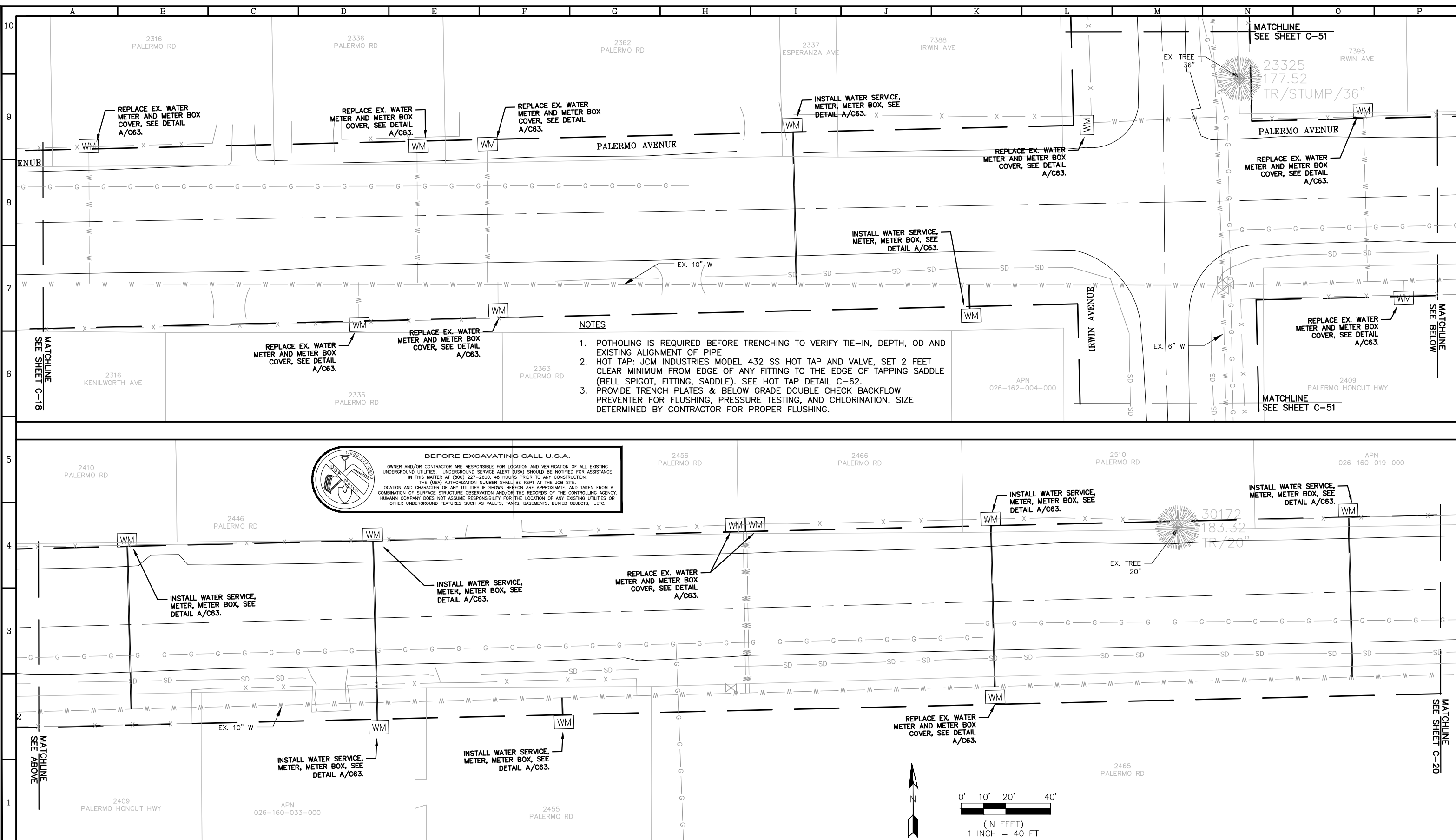
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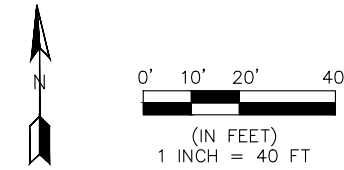
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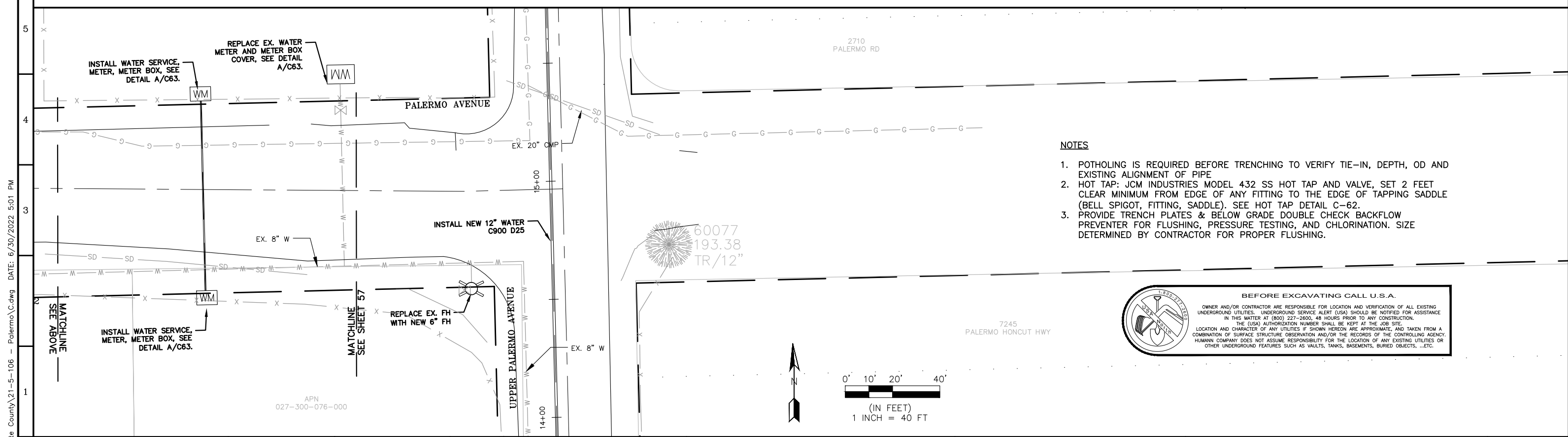
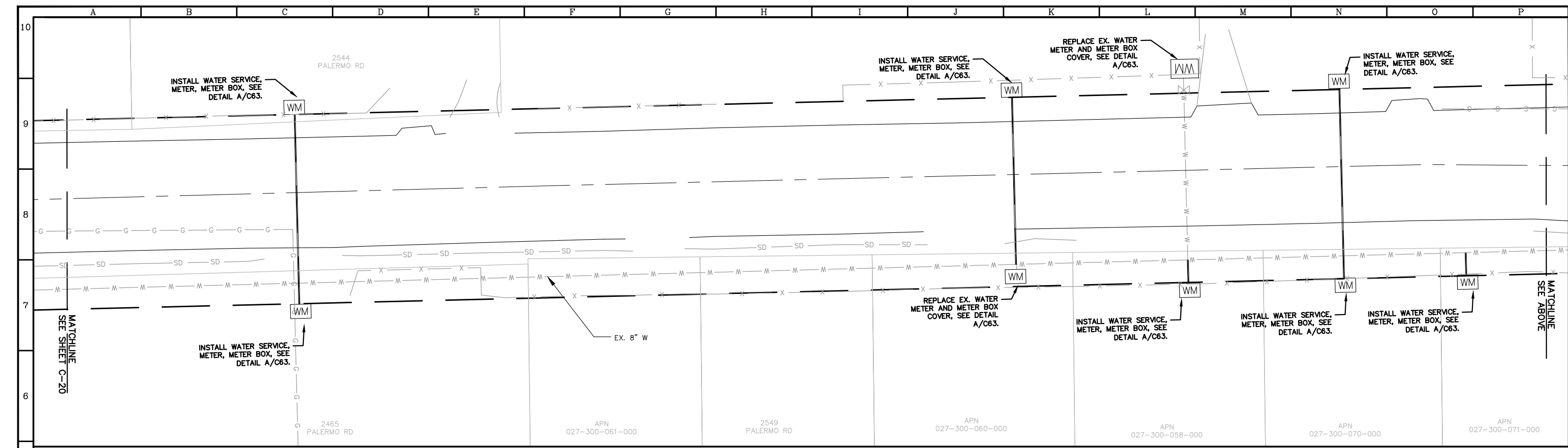
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PALERMO RD  
 BETWEEN HEWITT AVE AND  
 UPPER PALERMO RD

SCALE  
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 C-19  
 SHEET NUMBER  
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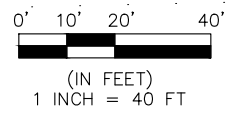
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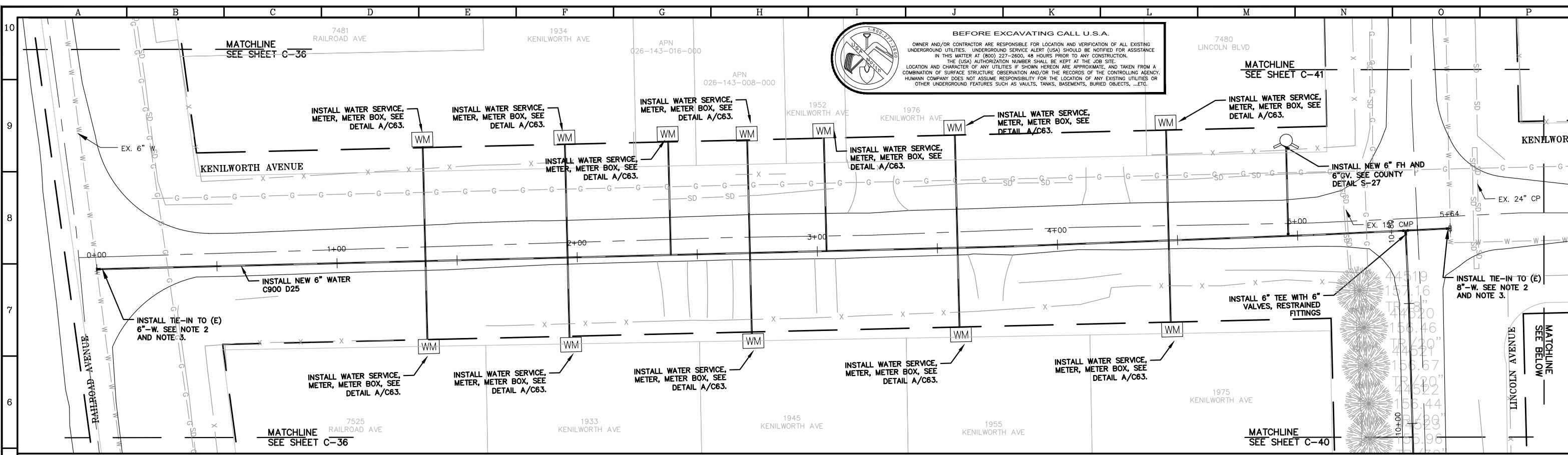
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BETWEEN IRWIN AVE AND  
UPPER PALERMO RD

SCALE  
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DRAWING NUMBER  
C-20

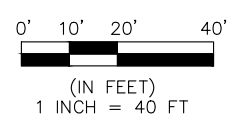
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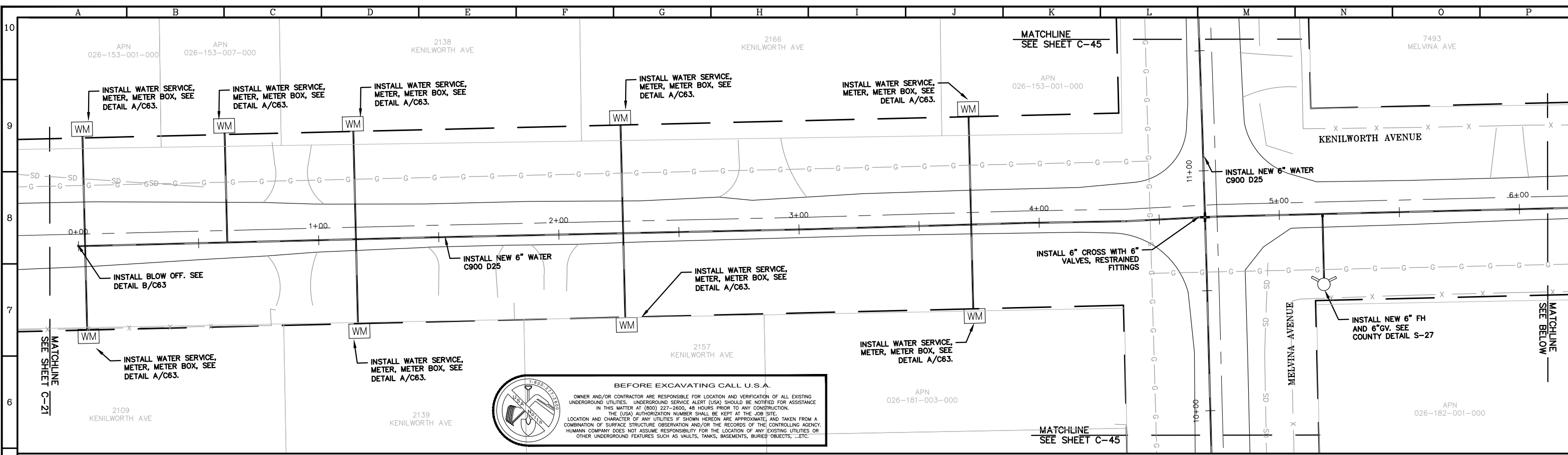
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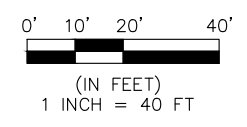
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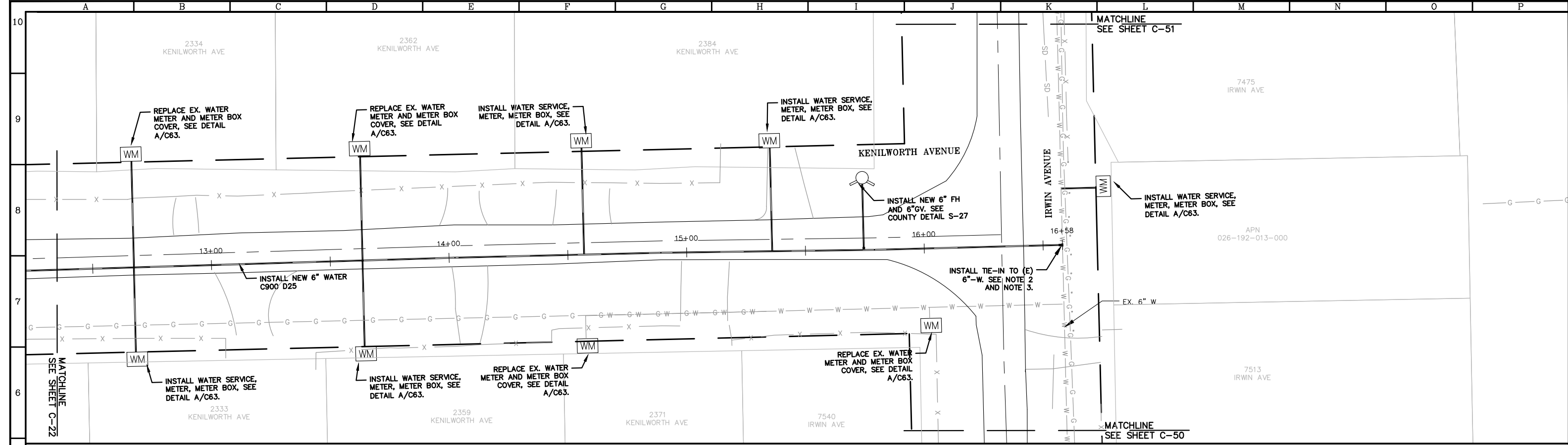
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SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
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KENILWORTH AVE  
 BETWEEN PERKINS AVE  
 AND HEWITT AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-22  
 SHEET NUMBER  
 25 OF 66



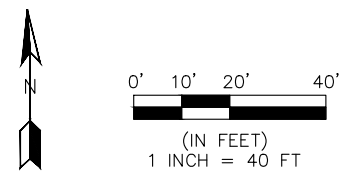


**BEFORE EXCAVATING CALL U.S.A.**

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**NOTES**

1. POTHOLING IS REQUIRED BEFORE TRENCHING TO VERIFY TIE-IN, DEPTH, OD AND EXISTING ALIGNMENT OF PIPE
2. HOT TAP: JCM INDUSTRIES MODEL 432 SS HOT TAP AND VALVE, SET 2 FEET CLEAR MINIMUM FROM EDGE OF ANY FITTING TO THE EDGE OF TAPPING SADDLE (BELL SPIGOT, FITTING, SADDLE). SEE HOT TAP DETAIL C-62.
3. PROVIDE TRENCH PLATES & BELOW GRADE DOUBLE CHECK BACKFLOW PREVENTER FOR FLUSHING, PRESSURE TESTING, AND CHLORINATION. SIZE DETERMINED BY CONTRACTOR FOR PROPER FLUSHING.



CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C.dwg DATE: 6/30/2022 5:01 PM



LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"-SCALE ACCORDINGLY)

FILE: C.dwg  
 DRAWN: LL  
 DESIGNED: OS  
 CHECKED: JD  
 DATE: APRIL 2022



REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

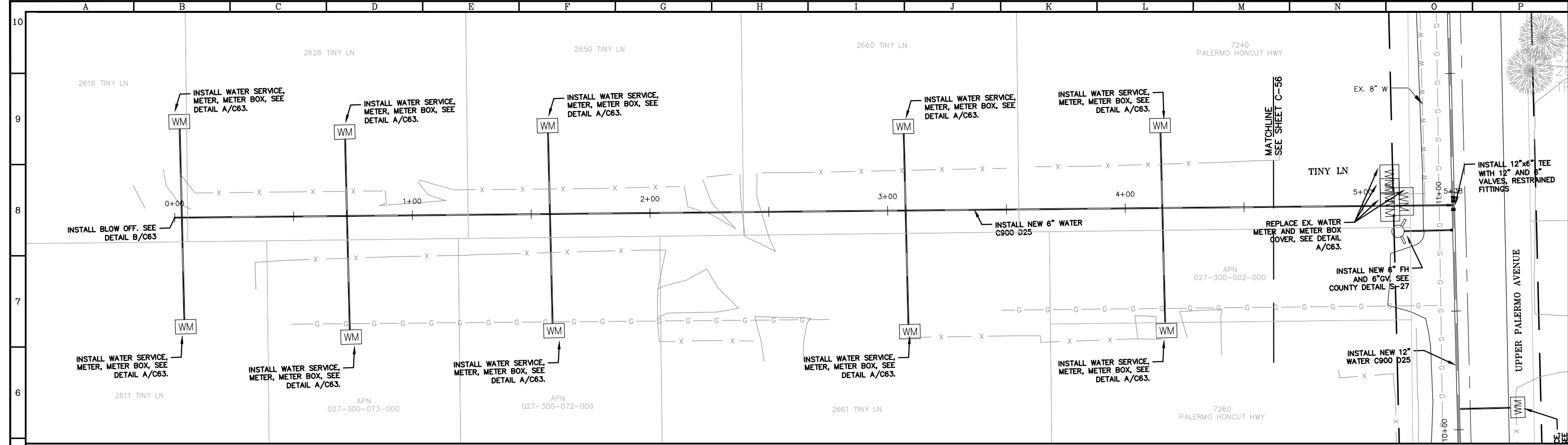
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 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

KENILWORTH AVE  
 BETWEEN HEWITT AVE  
 AND IRWIN AVE

SCALE  
 1" = 40'

DRAWING NUMBER  
**C-23**

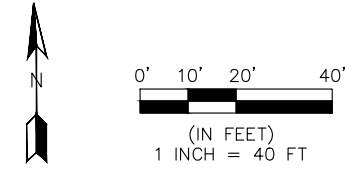
SHEET NUMBER  
**26 of 66**



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- NOTES**
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REVISIONS					
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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

TINY LN

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-24**  
 SHEET NUMBER  
**27 OF 66**

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- NOTES**
- MATCHLINE**  
SEE SHEET C-16
1. TRENCHING IS REQUIRED BEFORE TRENCHING TO VERIFY TIE-IN, DEPTH, OD AND EXISTING ALIGNMENT OF PIPE
  2. HOT TAP: JCM INDUSTRIES MODEL 4.32 SS HOT TAP AND VALVE, SET 2 FEET CLEAR MINIMUM FROM EDGE OF ANY FITTING TO THE EDGE OF TAPPING SADDLE (BELL SPIGOT, FITTING, SADDLE). SEE HOT TAP DETAIL C-62.
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APN  
026-171-004-000

7550  
LINCOLN BLVD

**MATCHLINE**  
SEE SHEET C-40

INSTALL NEW 6" FH AND  
6" GV. SEE COUNTY  
DETAIL S-27

INSTALL TIE-IN TO (E)  
6"-W. SEE NOTE 2  
AND NOTE 3.

REPLACE EX. WATER  
METER AND METER BOX  
COVER, SEE DETAIL  
A/C63. **MATCHLINE**  
SEE SHEET C-36



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INSTALL 6" TEE WITH 6"  
VALVES, RESTRAINED  
FITTINGS

INSTALL NEW 6" WATER  
C900 D25

**MATCHLINE**  
SEE SHEET C-40

2074  
WILLIAMS AVE

INSTALL WATER SERVICE,  
METER, METER BOX, SEE  
DETAIL A/C63.

INSTALL NEW 6" WATER  
C900 D25

INSTALL BLOW OFF. SEE  
DETAIL B/C63

INSTALL WATER SERVICE,  
METER, METER BOX, SEE  
DETAIL A/C63.

INSTALL WATER SERVICE,  
METER, METER BOX, SEE  
DETAIL A/C63.

NOT A ROAD

NOT A ROAD

INSTALL BLOW OFF. SEE  
DETAIL B/C63

2025  
WILLIAMS AVE

2055  
WILLIAMS AVE

PERKINS AVENUE

2111  
WILLIAMS AVE



LINE IS 2 INCHES  
AT FULL SIZE  
(IF NOT 2"-SCALE ACCORDINGLY)

FILE C.dwg  
DRAWN LL  
DESIGNED OS  
CHECKED JD  
DATE APRIL 2022



REVISIONS					
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BUTTE COUNTY  
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**BUTTE COUNTY**

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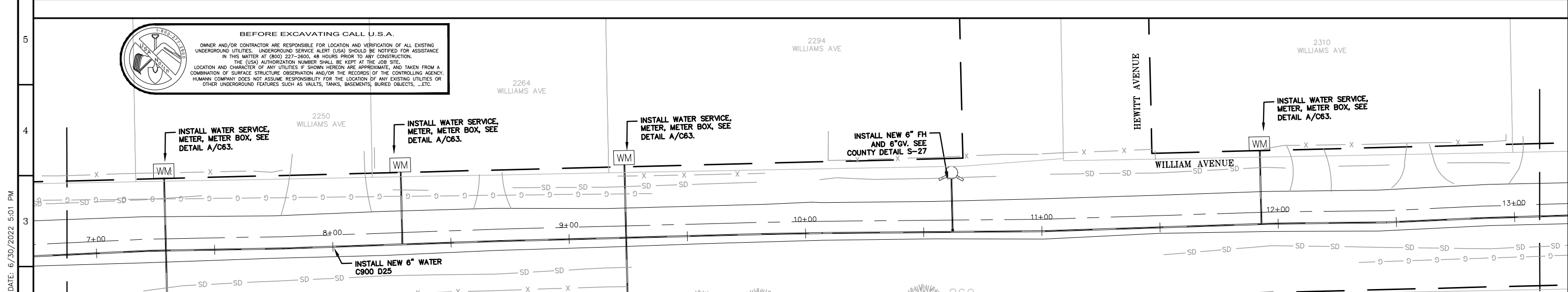
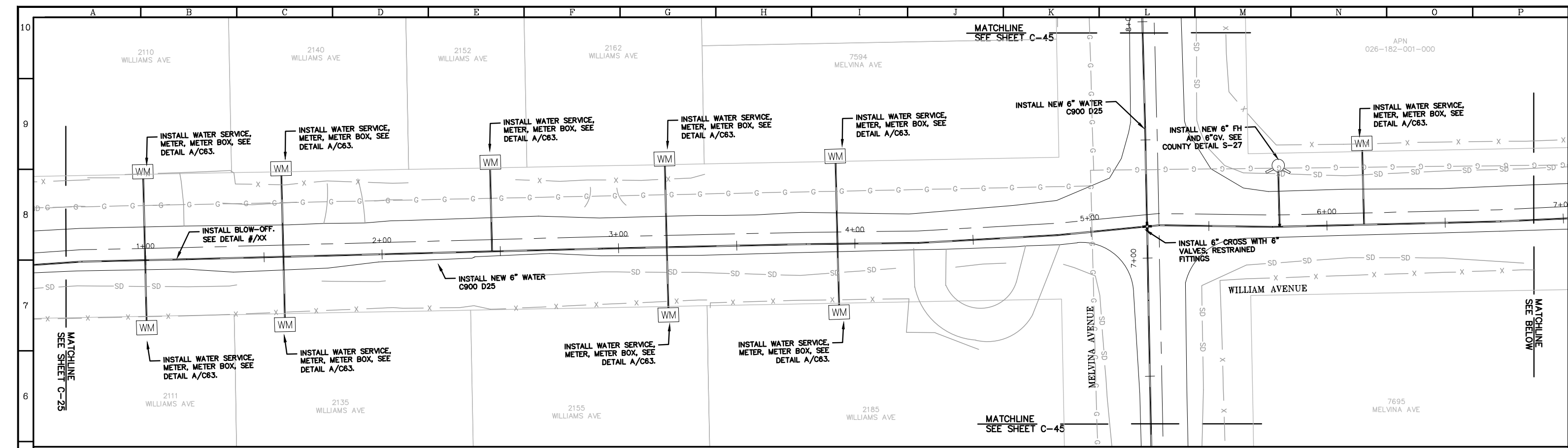
WILLIAMS AVE  
BETWEEN RAILROAD AVE  
AND PERKINS AVE

SCALE  
1" = 40'

DRAWING NUMBER  
C-25

SHEET NUMBER  
28 OF 66





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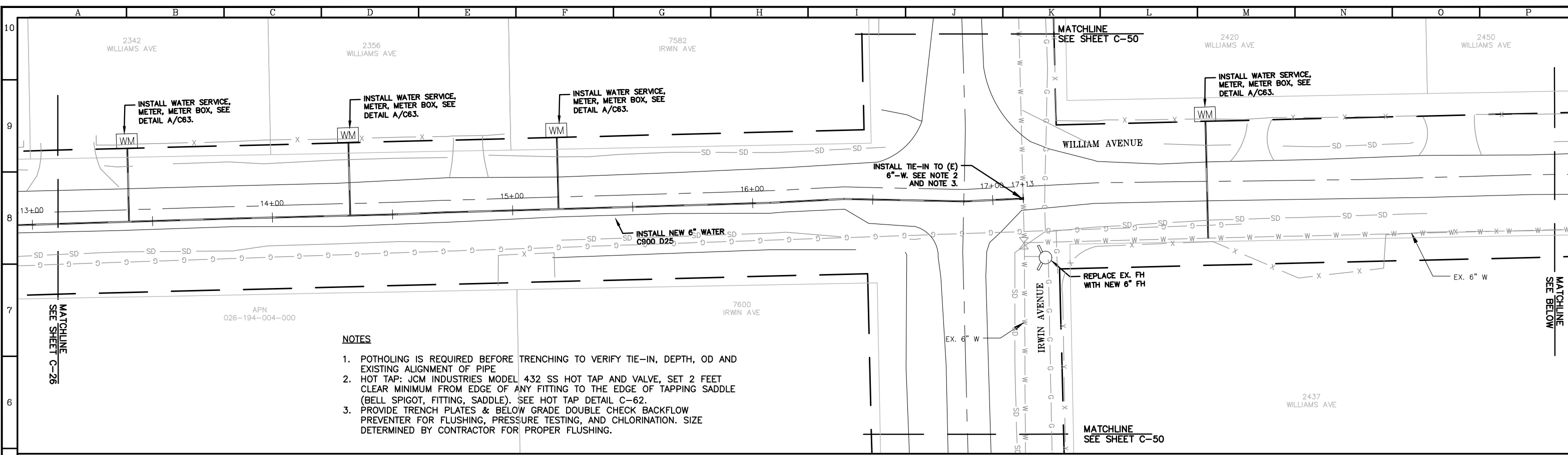
BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

WILLIAMS AVE  
 BETWEEN PERKINS AVE  
 AND HEWITT AVE

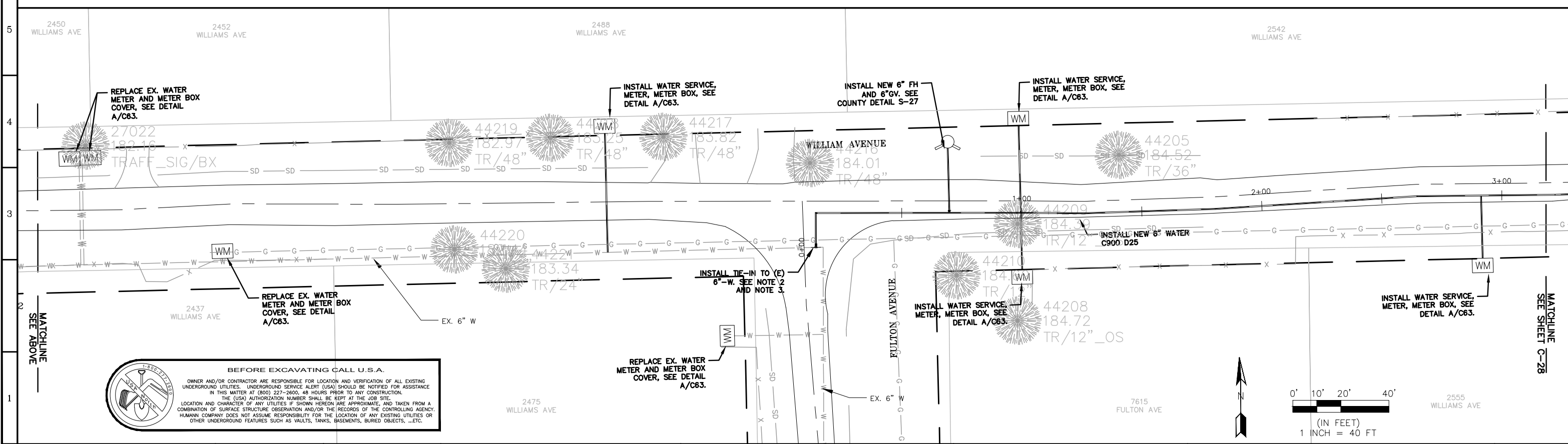
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 DRAWING NUMBER  
 C-26  
 SHEET NUMBER  
 29 OF 66

CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C.dwg DATE: 6/30/2022 5:01 PM



**NOTES**

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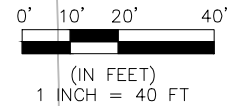


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**WILLIAMS AVE  
BETWEEN HEWITT AVE  
AND FULTON AVE**



LINE IS 2 INCHES  
AT FULL SIZE  
(IF NOT 2"-SCALE ACCORDINGLY)

FILE C.dwg  
DRAWN LL  
DESIGNED OS  
CHECKED JD  
DATE APRIL 2022



REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

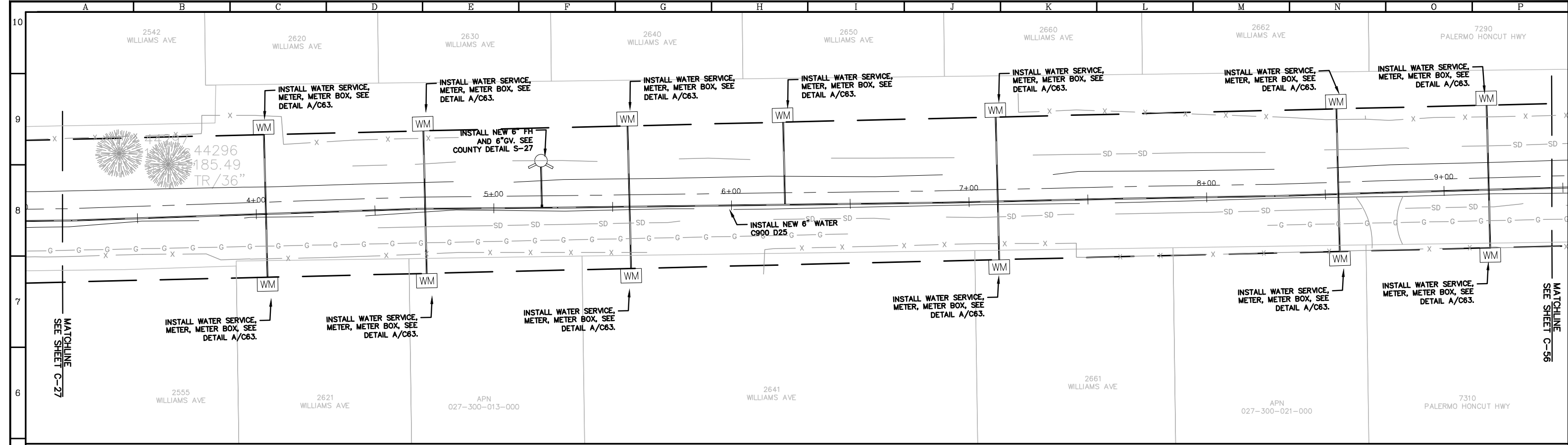
BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SCALE  
1" = 40'

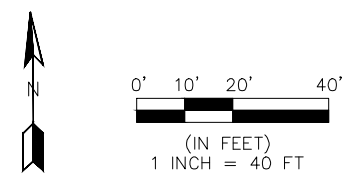
DRAWING NUMBER  
**C-27**

SHEET NUMBER  
**30 OF 66**



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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

WILLIAMS AVE  
 BETWEEN FULTON AVE AND  
 UPPER PALERMO RD

SCALE  
 1" = 40'

DRAWING NUMBER  
**C-28**

SHEET NUMBER  
**31 of 66**







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APN 026-194-004-000

7600 IRWIN AVE

REPLACE EX. WATER METER AND METER BOX COVER, SEE DETAIL A/C63.

INSTALL TIE-IN TO (E) 6"-W. SEE NOTE 2 AND NOTE 3.

INSTALL WATER SERVICE, METER, METER BOX, SEE DETAIL A/C63.

MATCHLINE SEE SHEET C-50

2437 WILLIAMS AVE

REPLACE EX. FH WITH NEW 6" FH

REPLACE EX. WATER METER AND METER BOX COVER, SEE DETAIL A/C63.

LUIDLUM AVENUE

13+00

INSTALL NEW 6" WATER CS90-D25

INSTALL WATER SERVICE, METER, METER BOX, SEE DETAIL A/C63.

REPLACE EX. WATER METER AND METER BOX COVER, SEE DETAIL A/C63.

MATCHLINE SEE SHEET C-29

2363 LUIDLUM AVE

7712 IRWIN AVE

MATCHLINE SEE SHEET C-50

7715 IRWIN AVE

2445 LUIDLUM AVE

2455 LUIDLUM AVE

**NOTES**

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3. PROVIDE TRENCH PLATES & BELOW GRADE DOUBLE CHECK BACKFLOW PREVENTER FOR FLUSHING, PRESSURE TESTING, AND CHLORINATION. SIZE DETERMINED BY CONTRACTOR FOR PROPER FLUSHING.

2437 WILLIAMS AVE

2506 LUIDLUM AVE

2512 LUIDLUM AVE

2586 LUIDLUM AVE

INSTALL NEW 6" FH AND 6"GV. SEE COUNTY DETAIL S-27

REPLACE EX. WATER METER AND METER BOX COVER, SEE DETAIL A/C63.

INSTALL WATER SERVICE, METER, METER BOX, SEE DETAIL A/C63.

REPLACE EX. WATER METER AND METER BOX COVER, SEE DETAIL A/C63.

LUIDLUM AVENUE

LUIDLUM AVENUE

41272 TR/36"

INSTALL TIE-IN TO (E) 6"-W. SEE NOTE 2 AND NOTE 3.

MATCHLINE SEE ABOVE

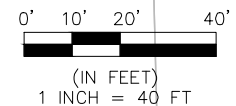
2455 LUIDLUM AVE

7782 FULTON AVE

FULTON AVENUE

INSTALL WATER SERVICE, METER, METER BOX, SEE DETAIL A/C63.

INSTALL WATER SERVICE, METER, METER BOX, SEE DETAIL A/C63.



APN 026-223-002-000

APN 027-300-085-000

MATCHLINE SEE SHEET C-31



LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"-SCALE ACCORDINGLY)  
 FILE C.dwg  
 DRAWN LL  
 DESIGNED OS  
 CHECKED JD  
 DATE APRIL 2022



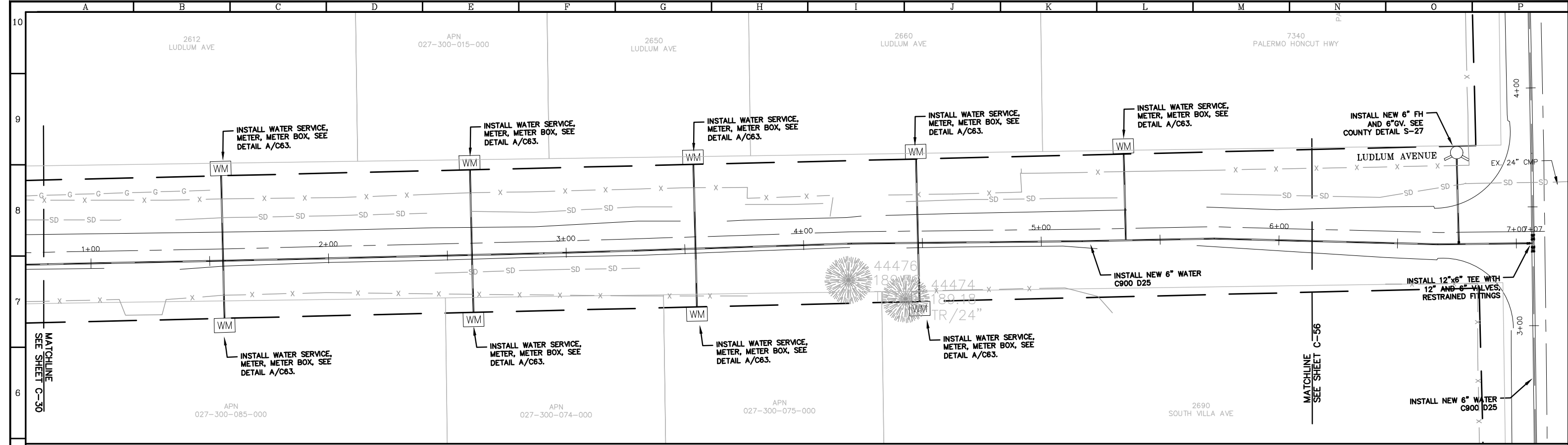
REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

BUTTE COUNTY  
 PALERMO, CALIFORNIA  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
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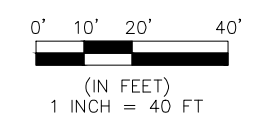
LUIDLUM AVE  
 BETWEEN HEWITT AVE  
 AND FULTON AVE

SCALE 1" = 40'  
 DRAWING NUMBER C-30  
 SHEET NUMBER 33 OF 66



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BUTTE COUNTY  
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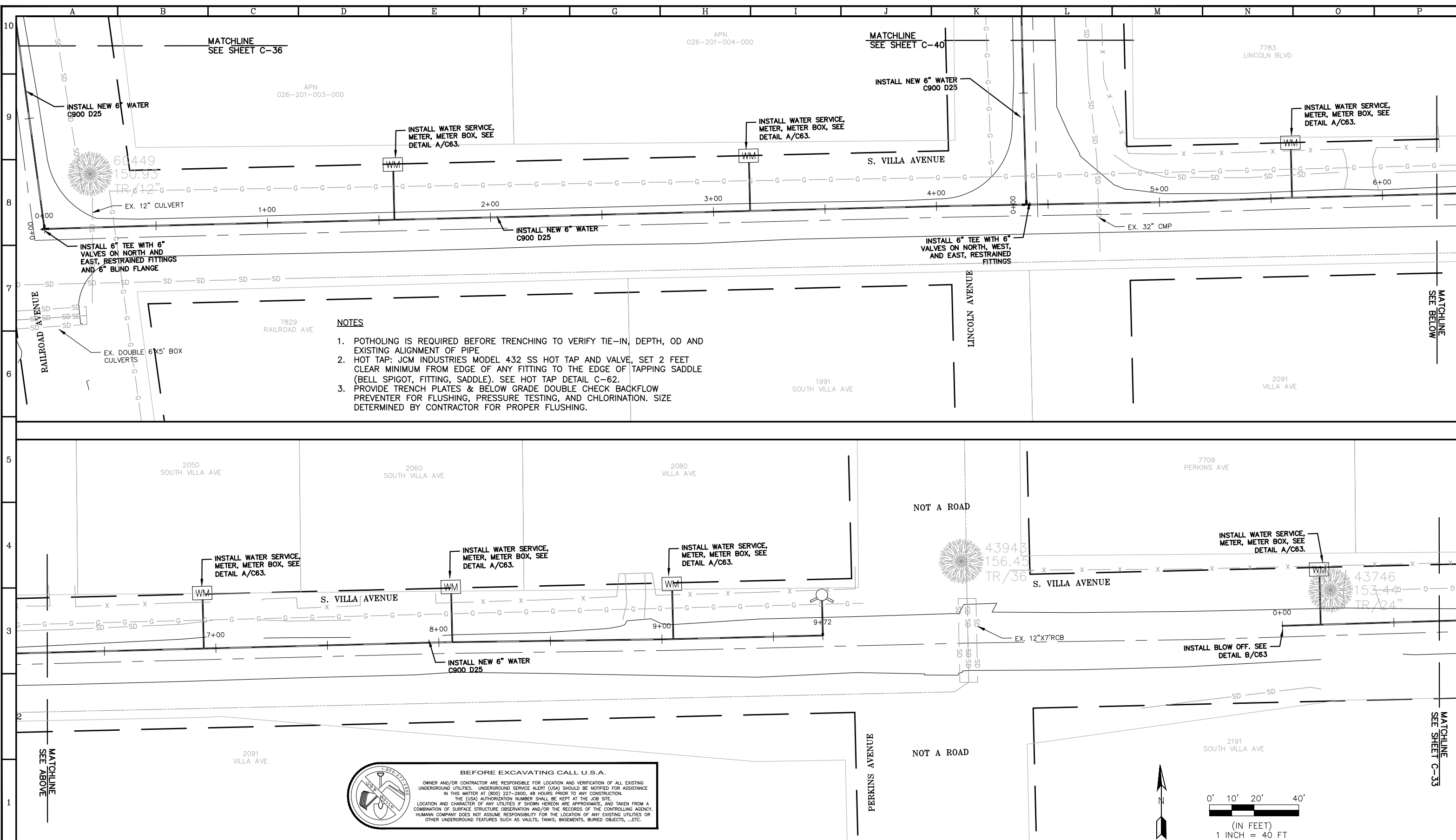
SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

LUDLUM AVE  
 BETWEEN FULTON AVE AND  
 UPPER PALERMO RD

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-31**  
 SHEET NUMBER  
 34 OF 66

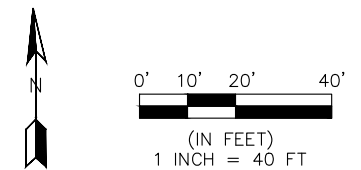


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LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)

FILE C.dwg  
 DRAWN LL  
 DESIGNED OS  
 CHECKED JD  
 DATE APRIL 2022



REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

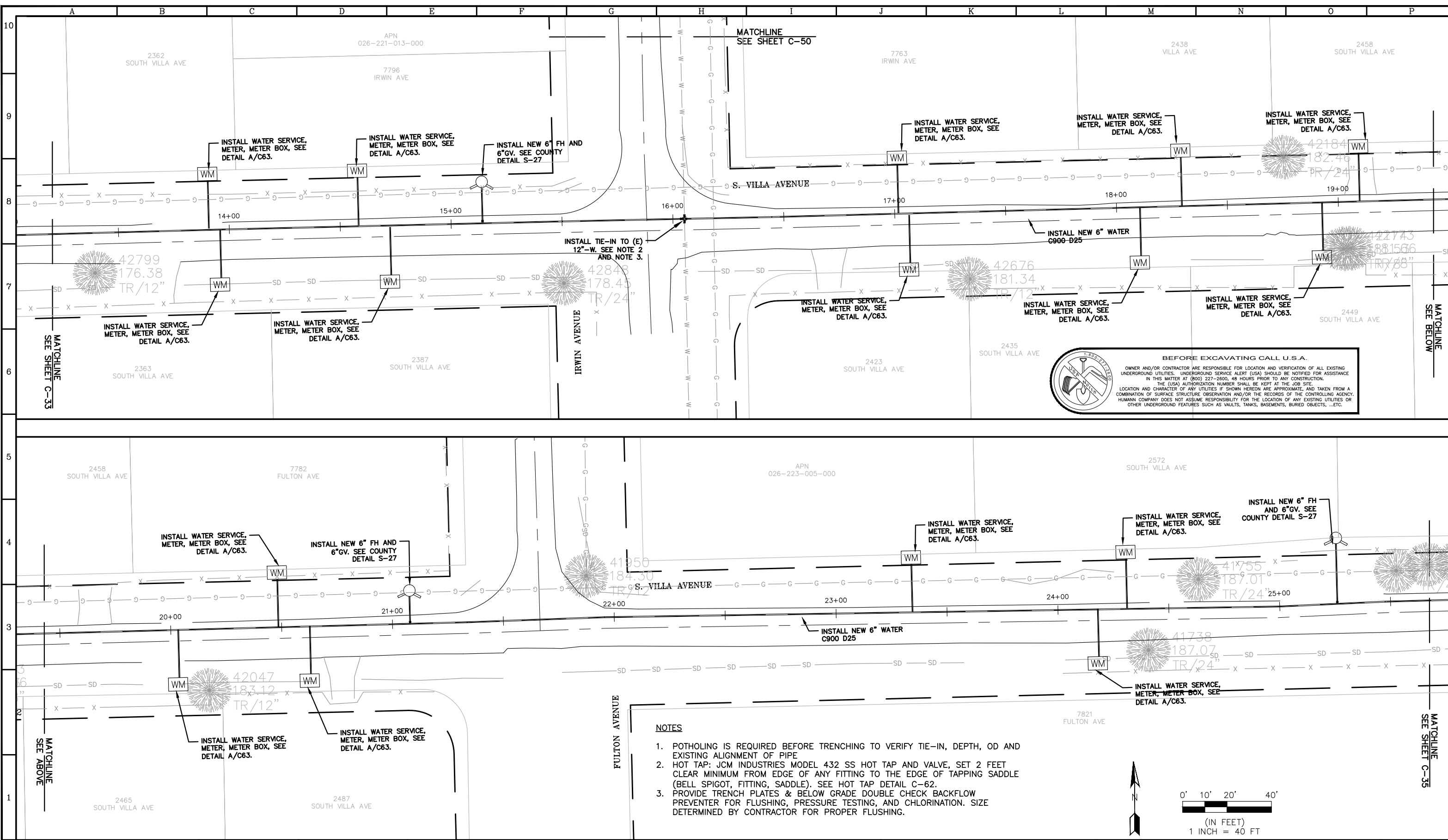
SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

S VILLA AVE  
 BETWEEN RAILROAD AVE  
 AND PERKINS AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-32  
 SHEET NUMBER  
 35 OF 66



CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C.dwg DATE: 6/30/2022 5:01 PM



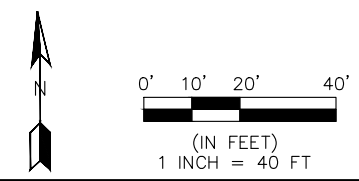
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FULTON AVENUE

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REVISIONS				
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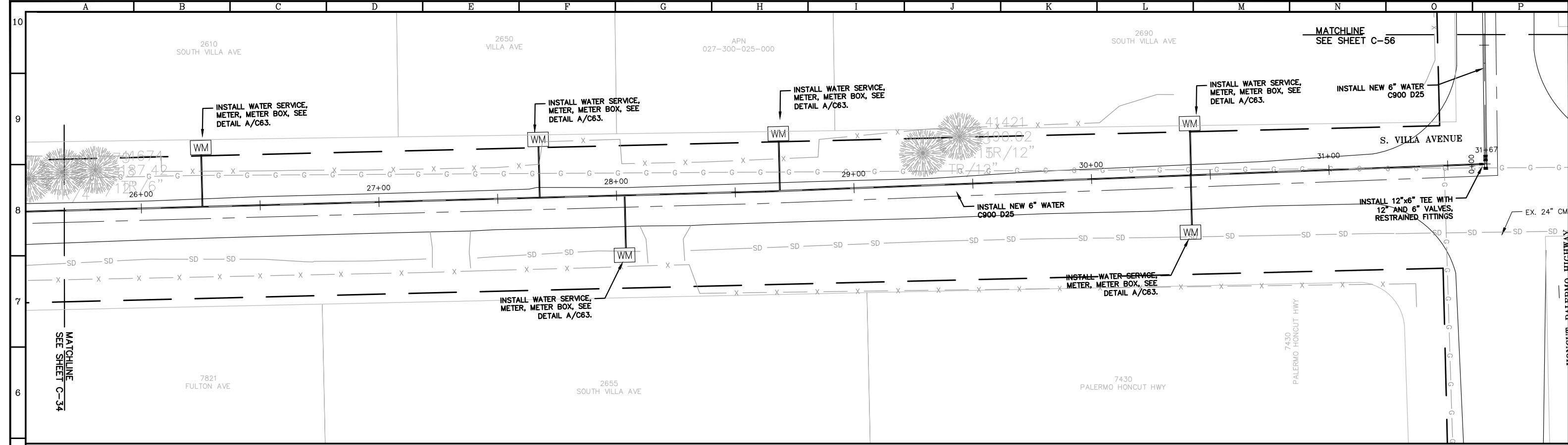
**BUTTE COUNTY  
PALERMO, CALIFORNIA  
BUTTE COUNTY**

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

S VILLA AVE  
BETWEEN PERKINS AVE  
AND HEWITT AVE

SCALE  
1" = 40'  
 DRAWING NUMBER  
C-34  
 SHEET NUMBER  
37 OF 66

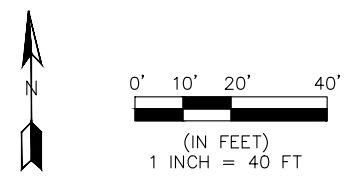




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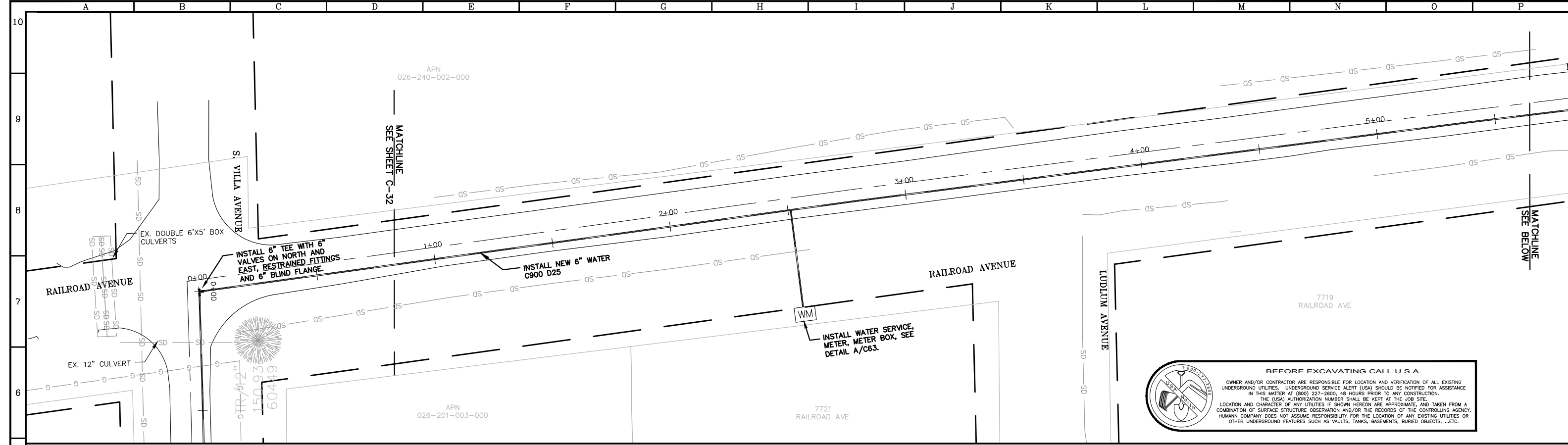
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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

S VILLA AVE  
 BETWEEN FULTON AVE AND  
 UPPER PALERMO RD

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-35**  
 SHEET NUMBER  
**38 OF 66**



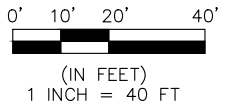
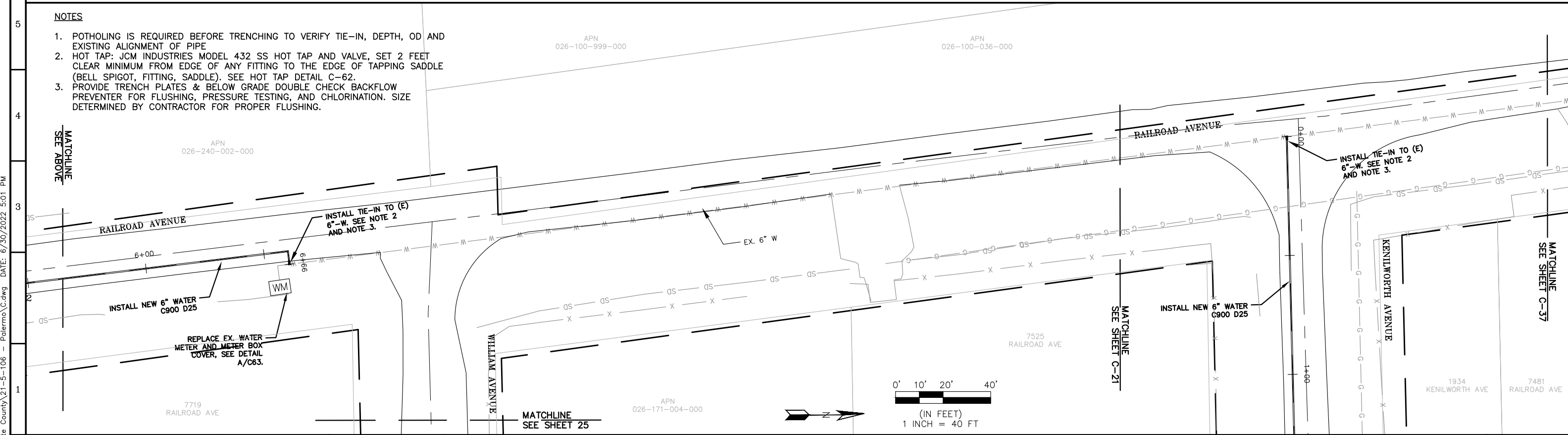
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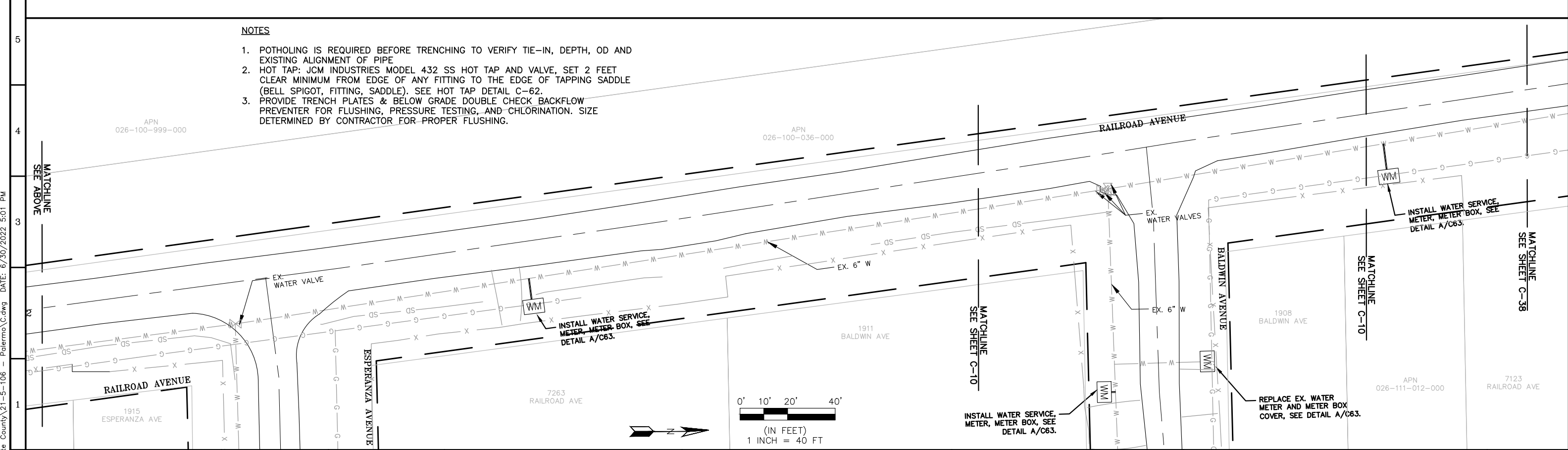
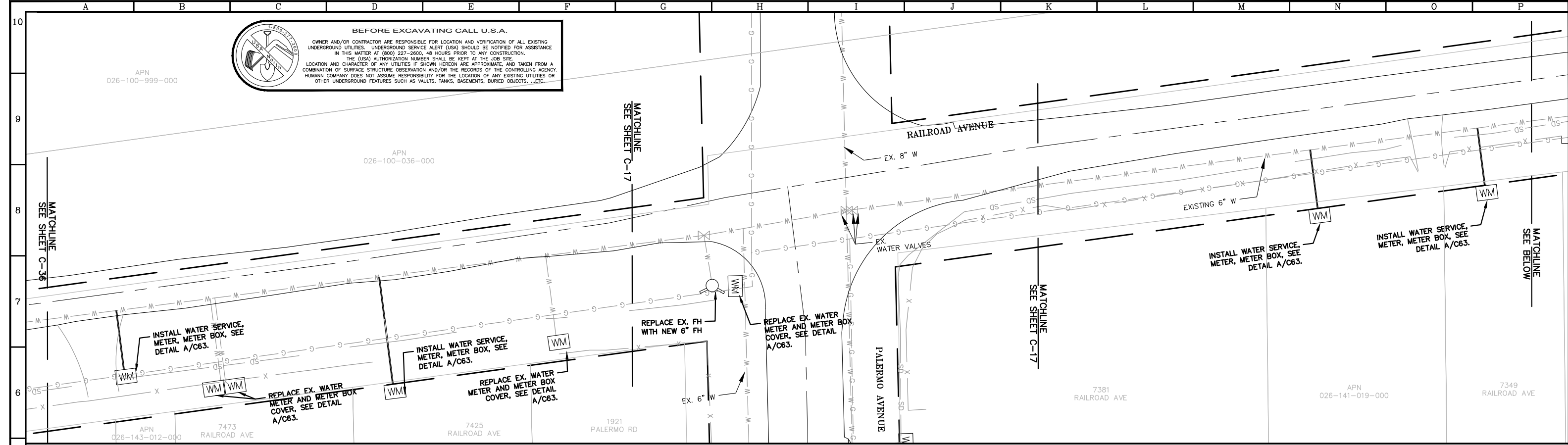
RAILROAD AVE  
 BETWEEN S VILLA AVE  
 AND KENILWORTH AVE

SCALE  
 1" = 40'

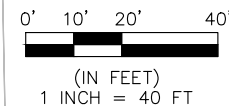
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 C-36

SHEET NUMBER  
 39 OF 66

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 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

RAILROAD AVE  
 BETWEEN KENILWORTH AVE  
 AND BALDWIN AVE

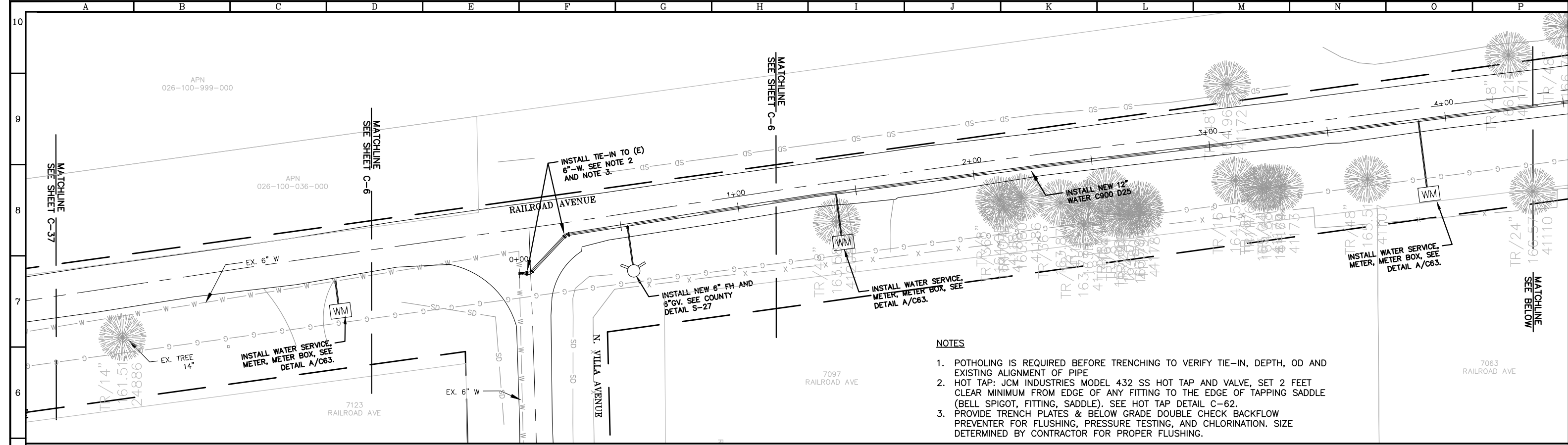
SCALE  
 1" = 40'

DRAWING NUMBER  
**C-37**

SHEET NUMBER  
**40 OF 66**

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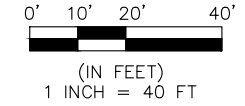
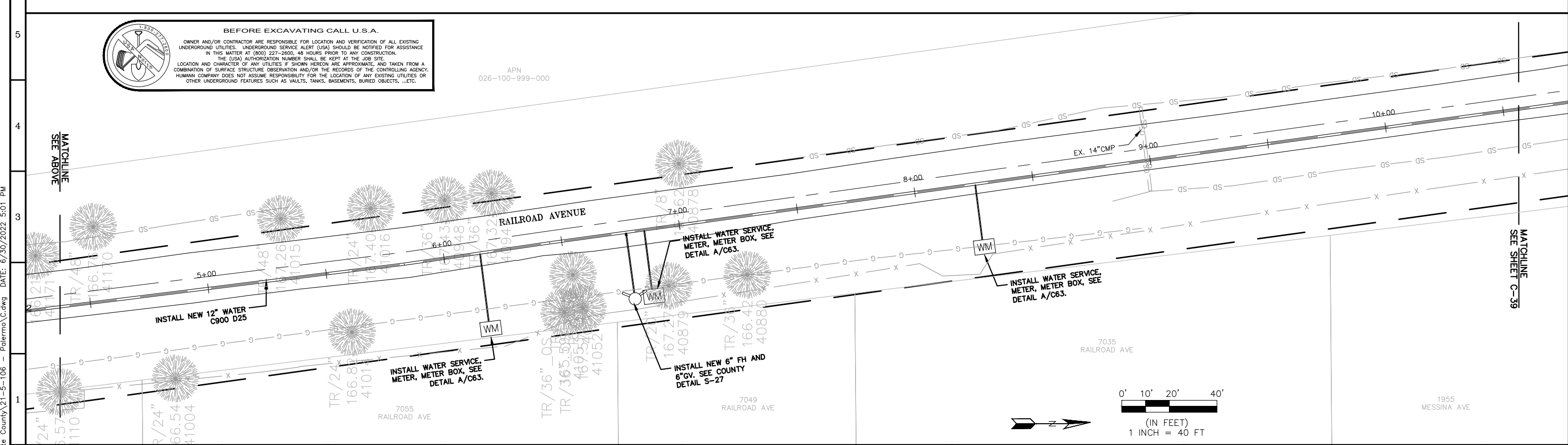


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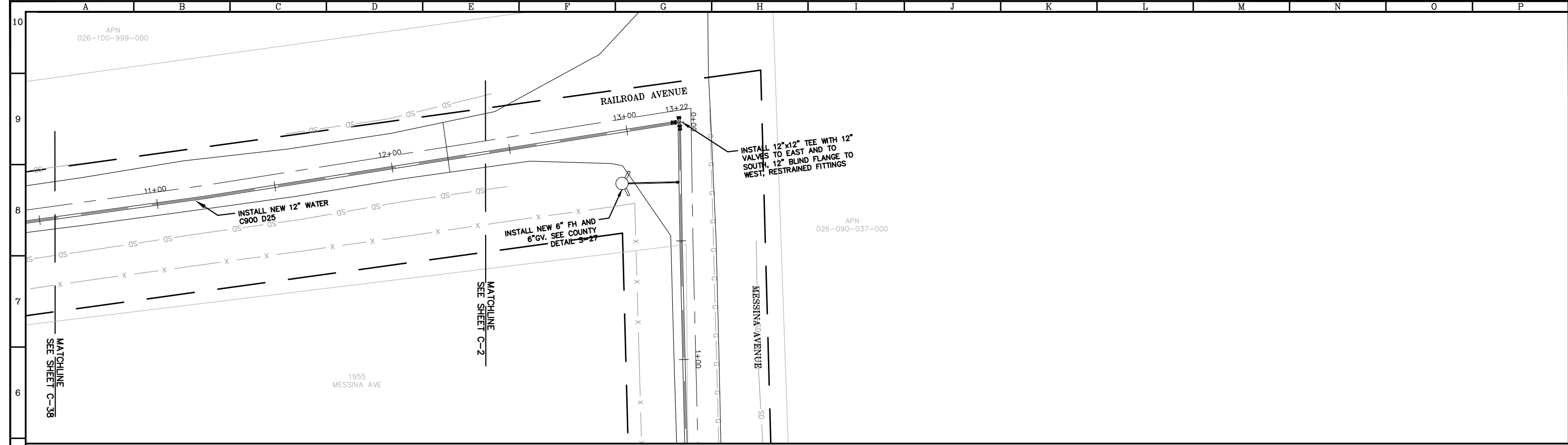
BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

RAILROAD AVE  
 BETWEEN BALDWIN AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-38**  
 SHEET NUMBER  
 41 OF 66

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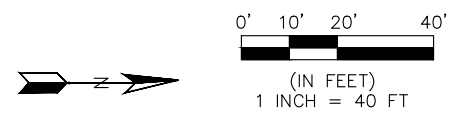


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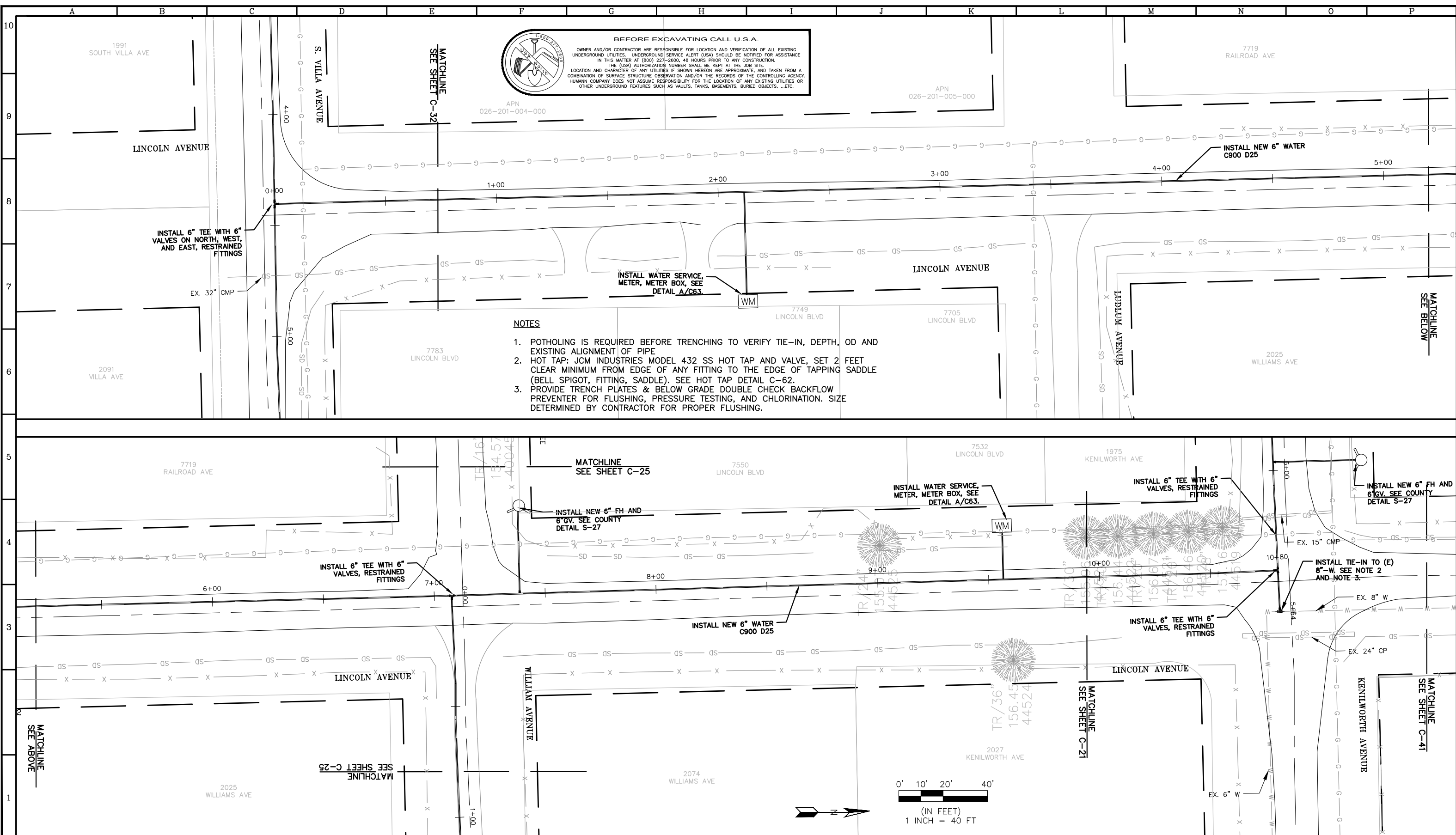
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BETWEEN BALDWIN AVE  
AND MESSINA AVE

SCALE  
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DRAWING NUMBER  
C-39

SHEET NUMBER  
42 of 66

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APN 026-201-004-000  
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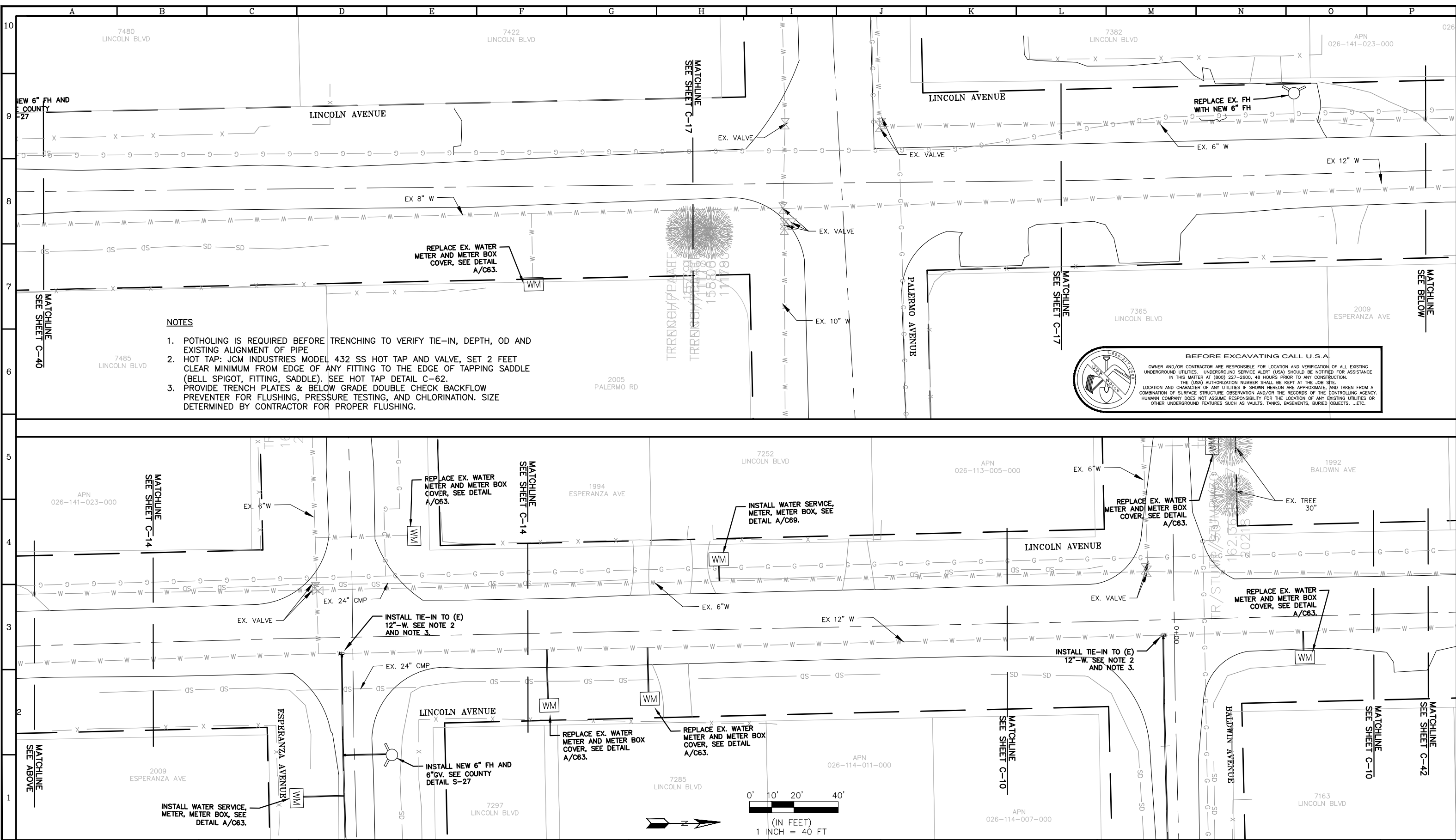
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 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

LINCOLN BLVD  
 BETWEEN S VILLA AVE  
 AND KENILWORTH AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-40  
 SHEET NUMBER  
 43 OF 66



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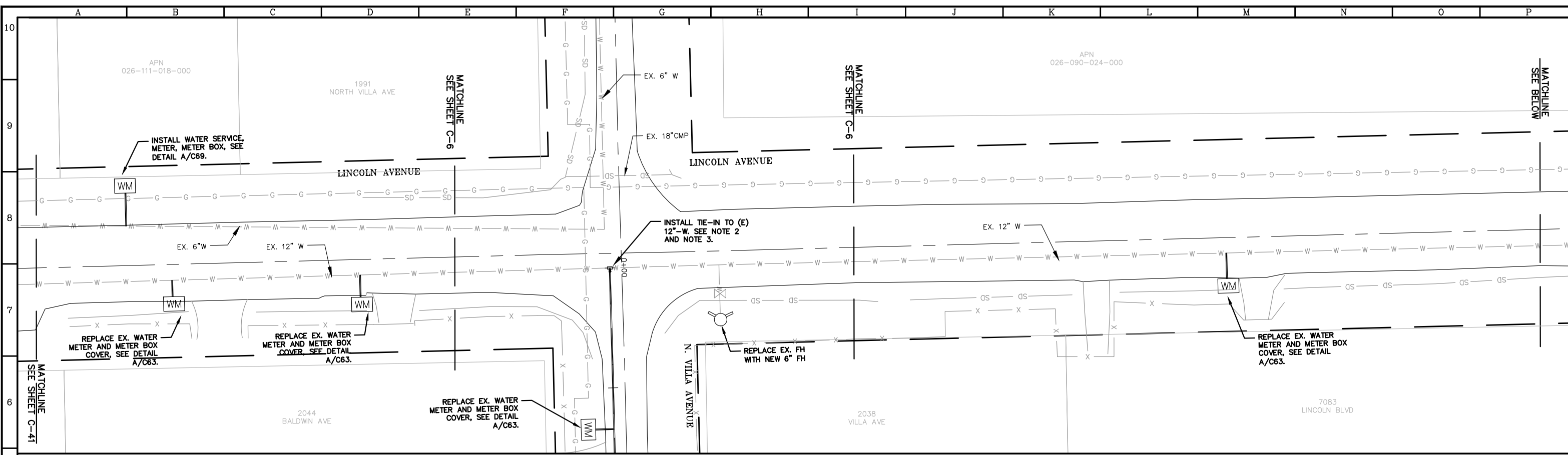
LINCOLN BLVD  
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SCALE  
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DRAWING NUMBER  
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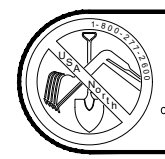
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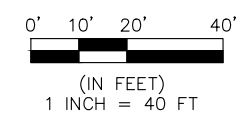
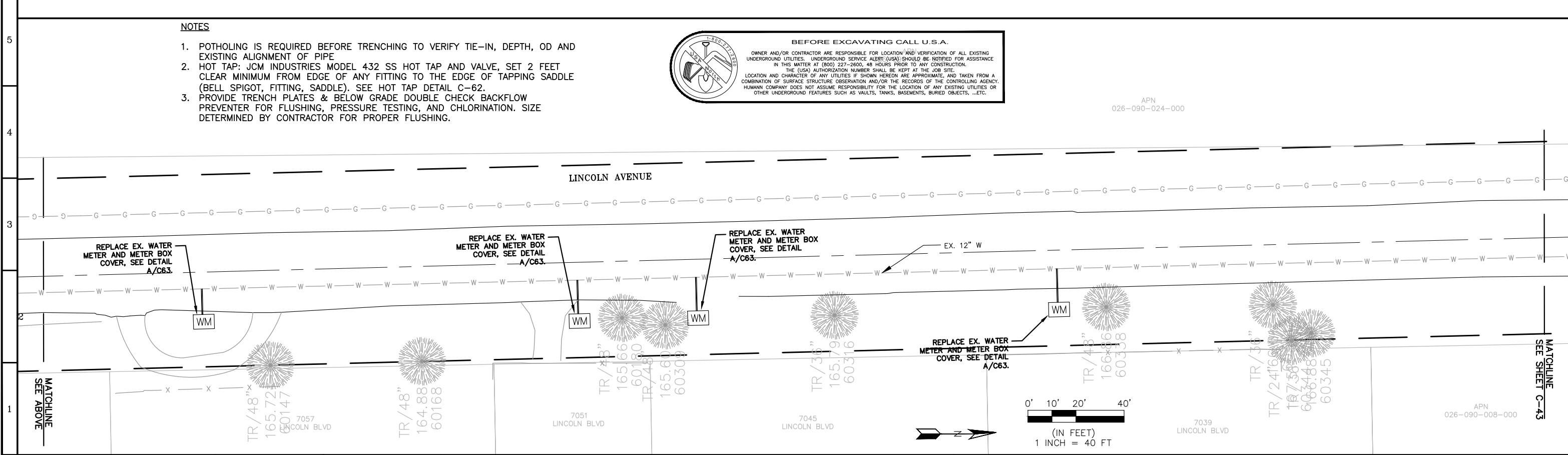


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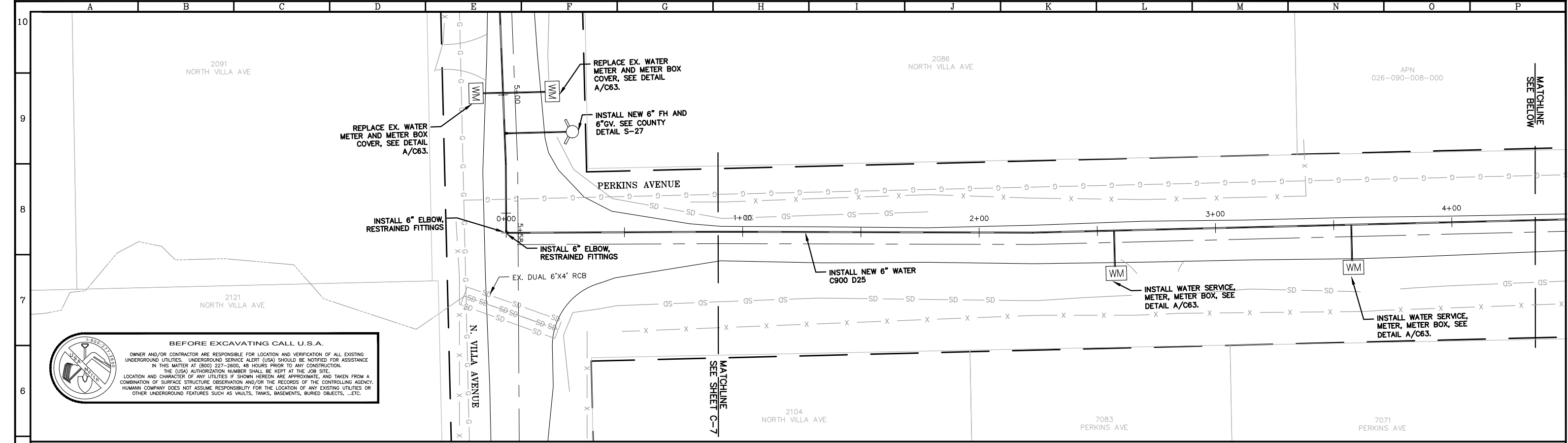


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 BETWEEN BALDWIN AVE  
 AND MESSINA AVE

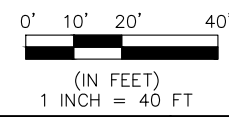
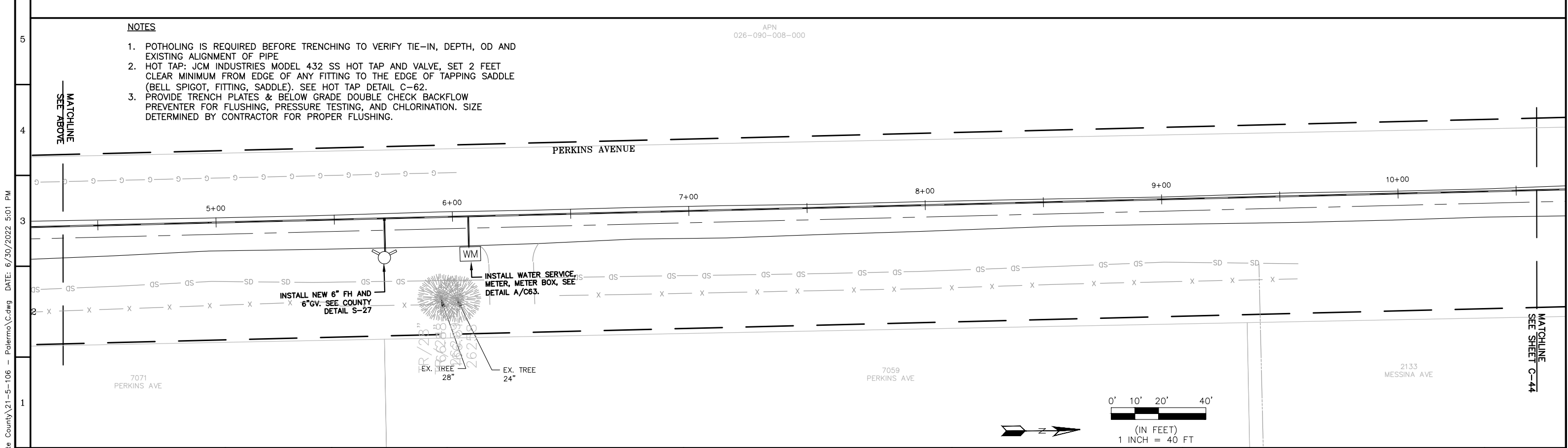
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 DRAWING NUMBER  
**C-42**  
 SHEET NUMBER  
**45 OF 66**



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- NOTES**
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  2. HOT TAP: JCM INDUSTRIES MODEL 432 SS HOT TAP AND VALVE, SET 2 FEET CLEAR MINIMUM FROM EDGE OF ANY FITTING TO THE EDGE OF TAPPING SADDLE (BELL SPIGOT, FITTING, SADDLE). SEE HOT TAP DETAIL C-62.
  3. PROVIDE TRENCH PLATES & BELOW GRADE DOUBLE CHECK BACKFLOW PREVENTER FOR FLUSHING, PRESSURE TESTING, AND CHLORINATION. SIZE DETERMINED BY CONTRACTOR FOR PROPER FLUSHING.



LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"-SCALE ACCORDINGLY)

FILE C.dwg  
 DRAWN LL  
 DESIGNED OS  
 CHECKED JD  
 DATE APRIL 2022



REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

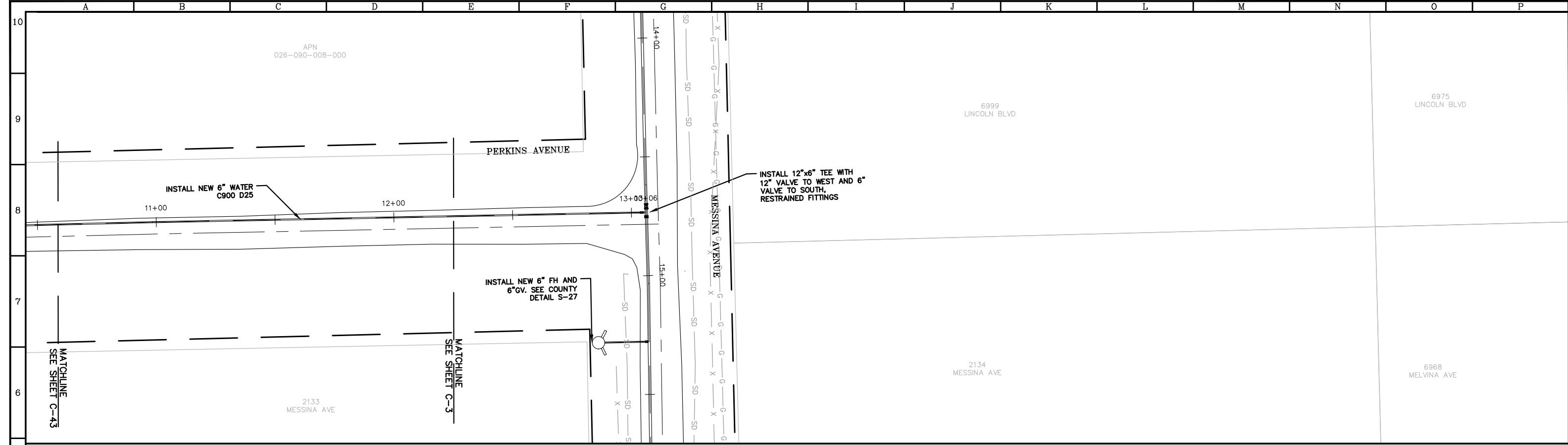
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PERKINS AVE  
 BETWEEN ESPERANZA AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-43  
 SHEET NUMBER  
 46 OF 66

CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C.dwg DATE: 6/30/2022 5:01 PM





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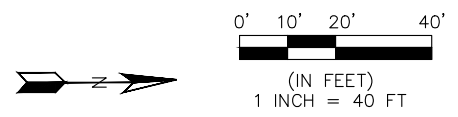
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REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

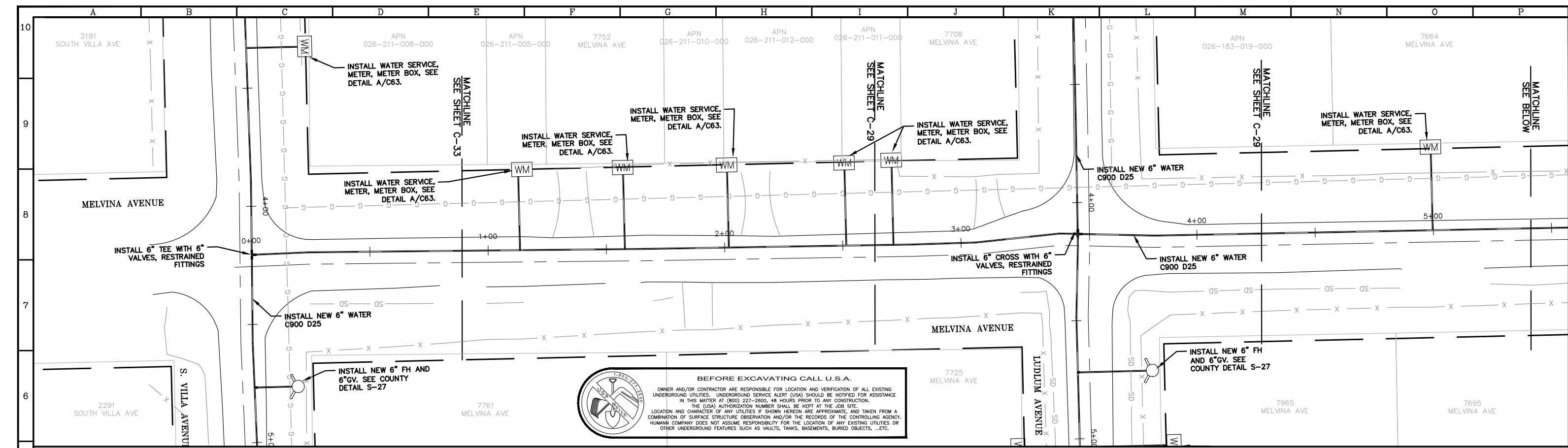
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PERKINS AVE  
 BETWEEN N VILLA AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'

DRAWING NUMBER  
 C-44

SHEET NUMBER  
 47 OF 66



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REVISIONS				
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**BUTTE COUNTY  
PALERMO, CALIFORNIA  
BUTTE COUNTY**

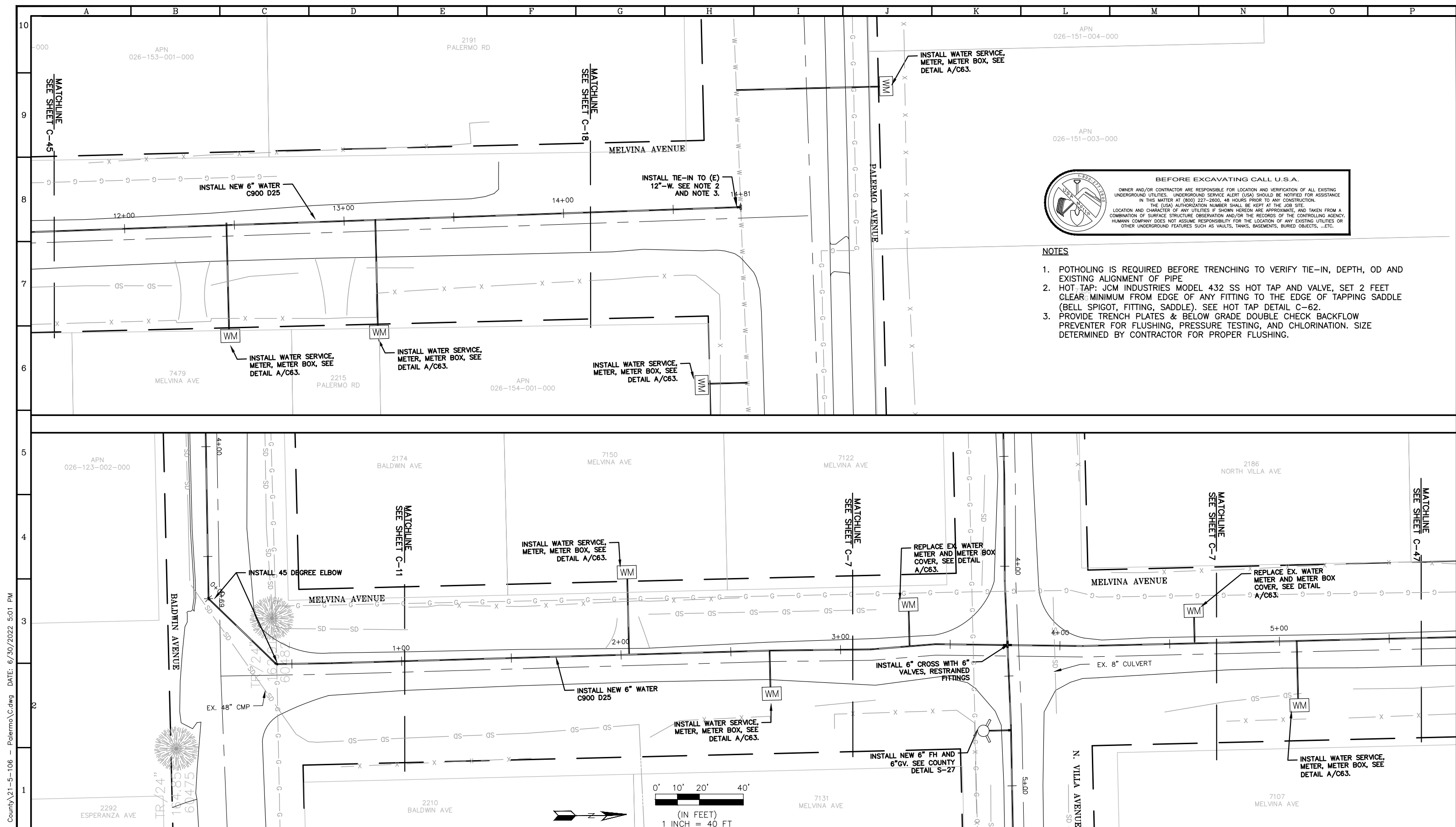
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**MELVINA AVE  
BETWEEN S VILLA AVE  
AND KENILWORTH AVE**

SCALE  
1" = 40'

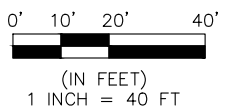
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SHEET NUMBER  
**48 OF 66**



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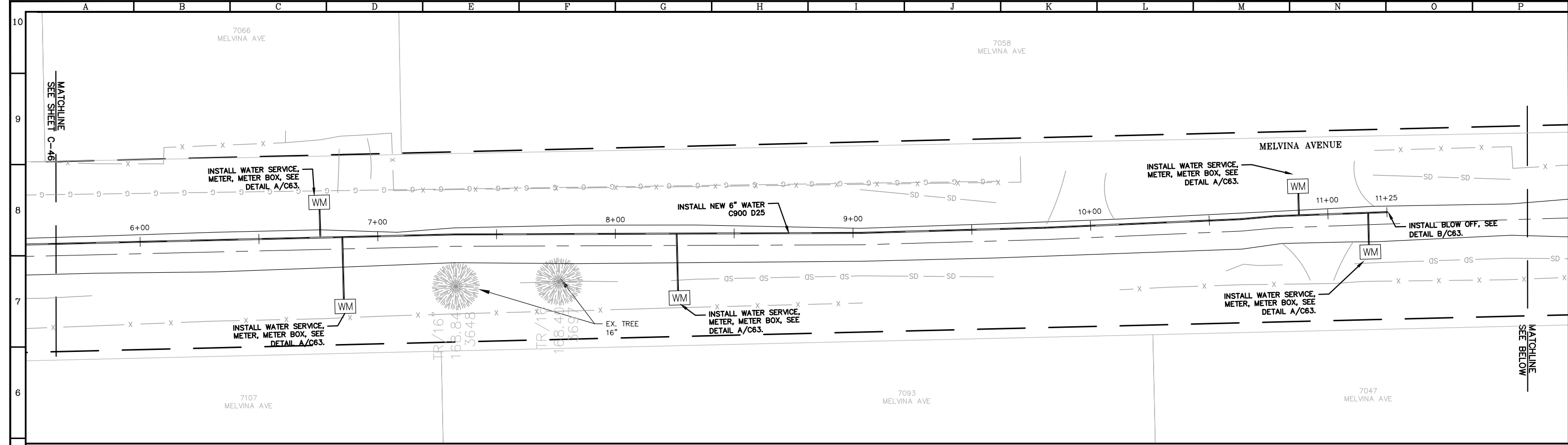
BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

MELVINA AVE  
 BETWEEN KENILWORTH AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-46  
 SHEET NUMBER  
 49 OF 66



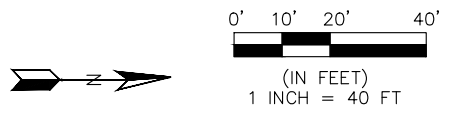


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**BUTTE COUNTY  
PALERMO, CALIFORNIA  
BUTTE COUNTY**

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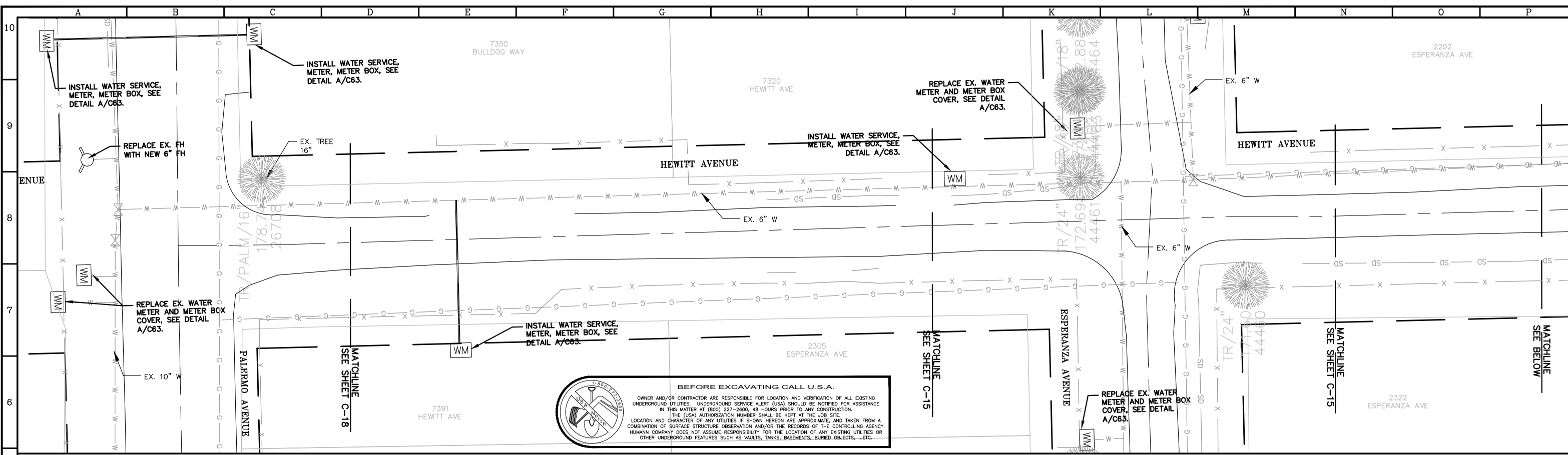
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AND MESSINA AVE

SCALE  
1" = 40'

DRAWING NUMBER  
C-47

SHEET NUMBER  
50 of 66

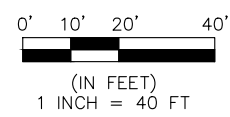
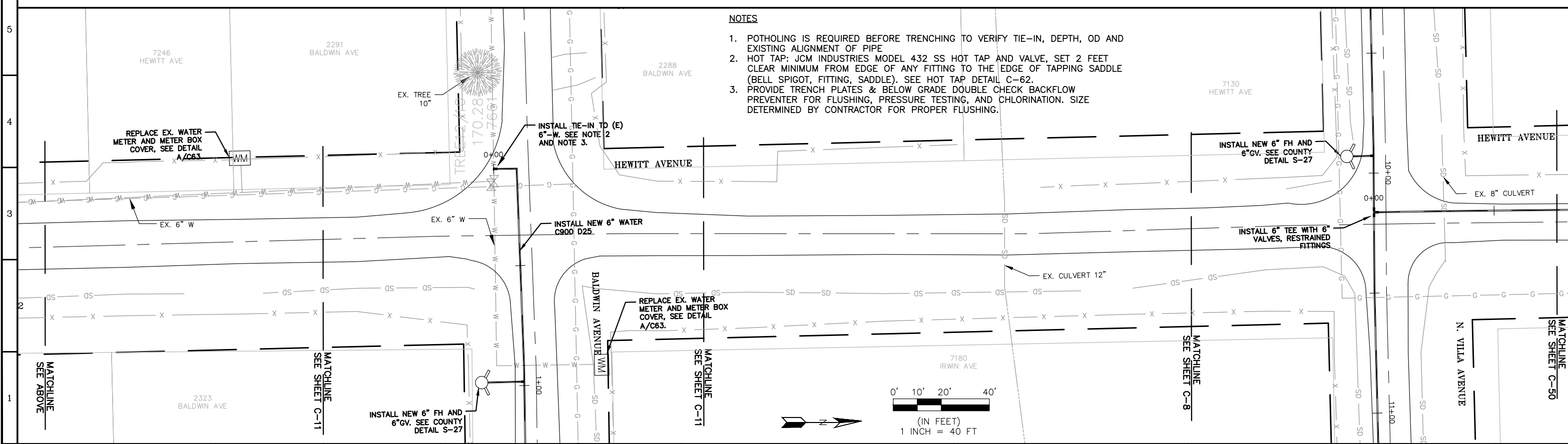
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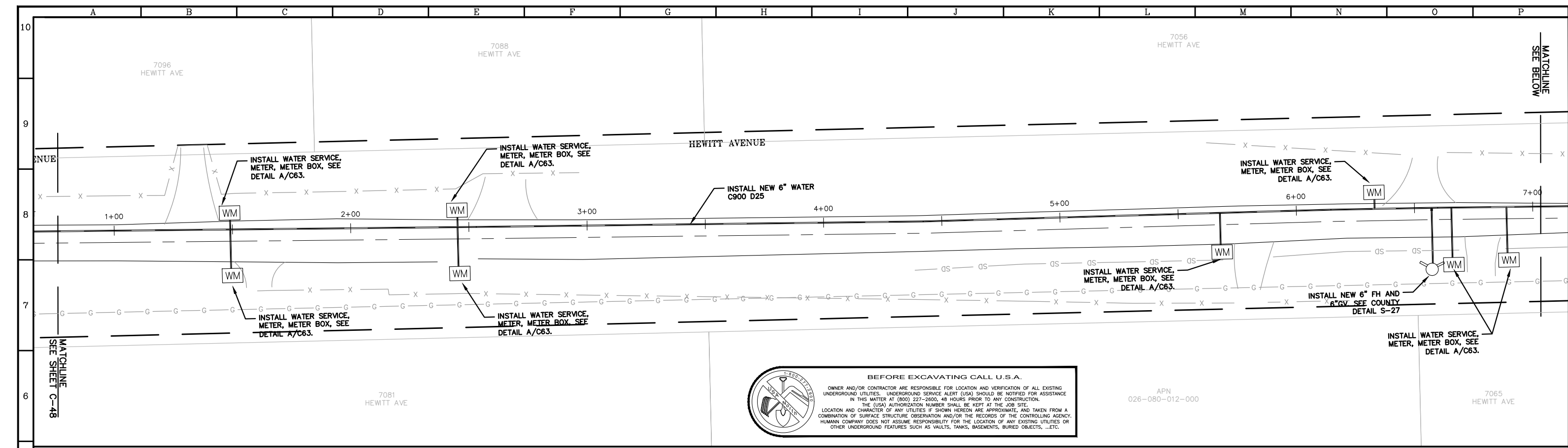
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ZONE	REV.	DESCRIPTION	BY	DATE

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

HEWITT AVE  
 BETWEEN N VILLA AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-48**  
 SHEET NUMBER  
**51 OF 66**

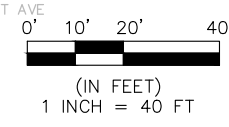
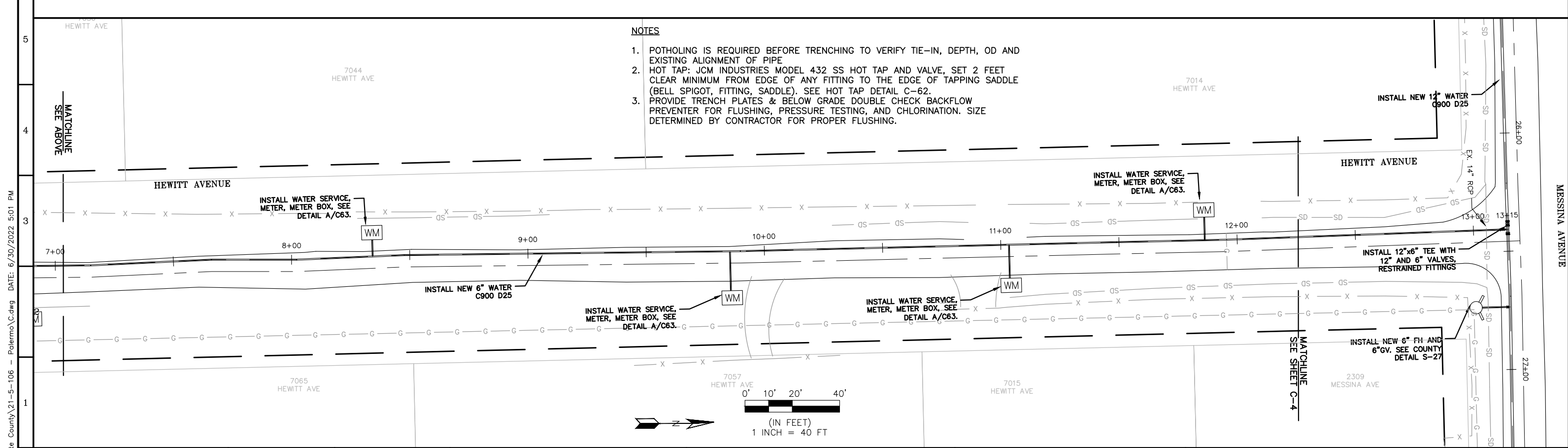


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APN 026-080-012-000

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BUTTE COUNTY  
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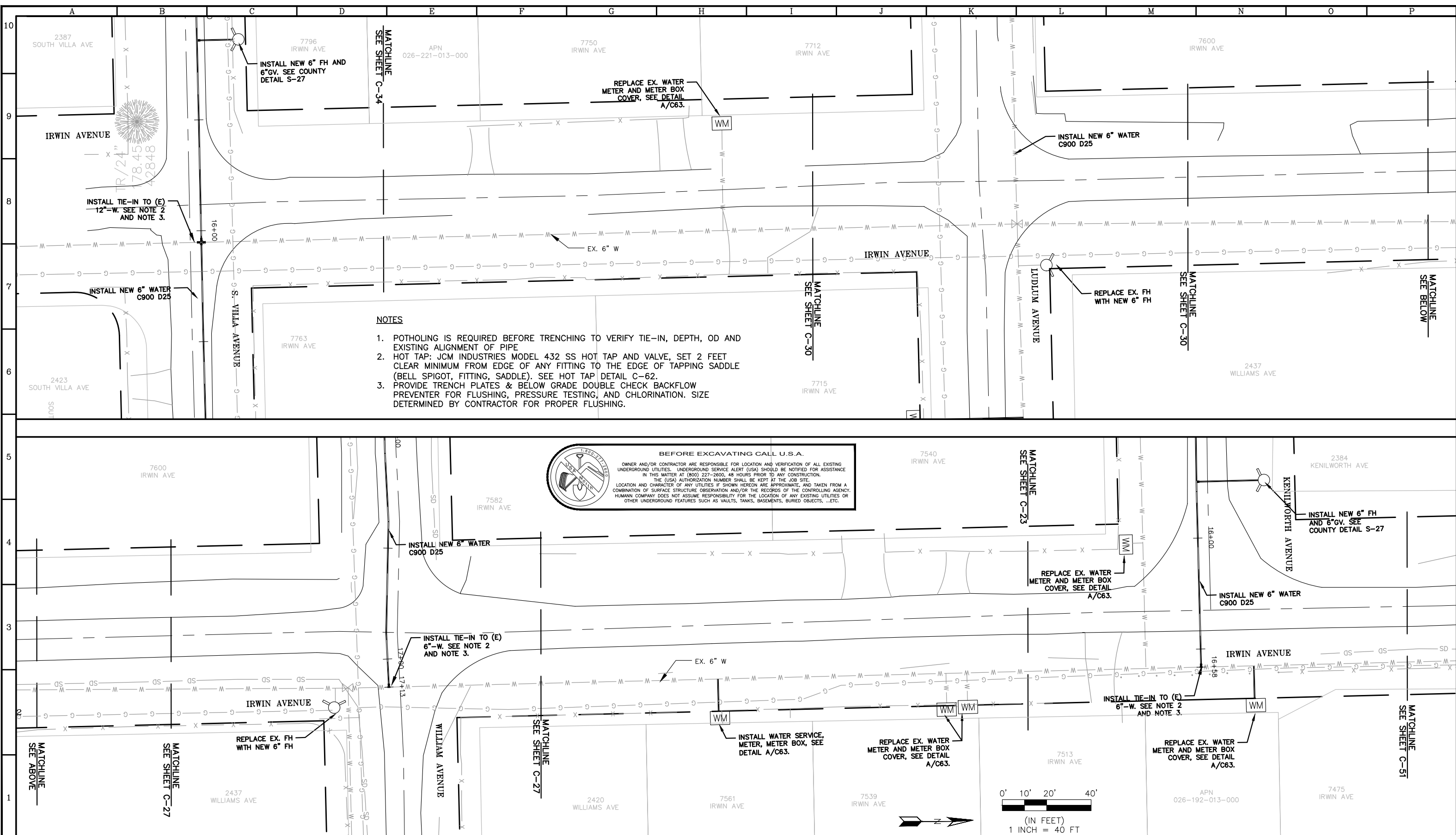
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HEWITT AVE  
 BETWEEN N VILLA AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-49  
 SHEET NUMBER  
 52 OF 66

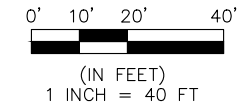


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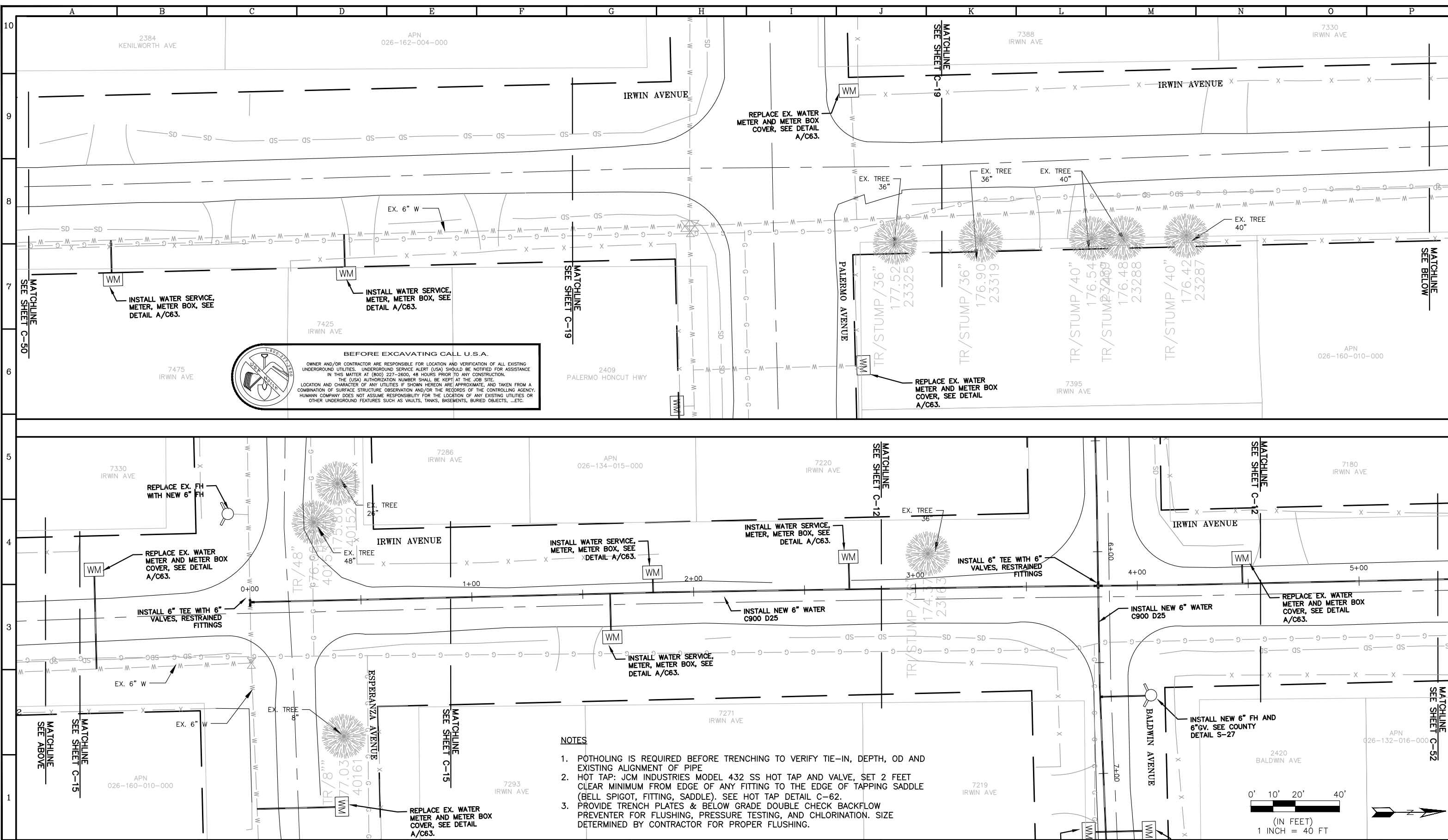
BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
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IRWIN AVE  
 BETWEEN S VILLA AVE  
 AND KENILWORTH AVE

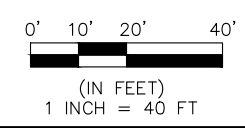
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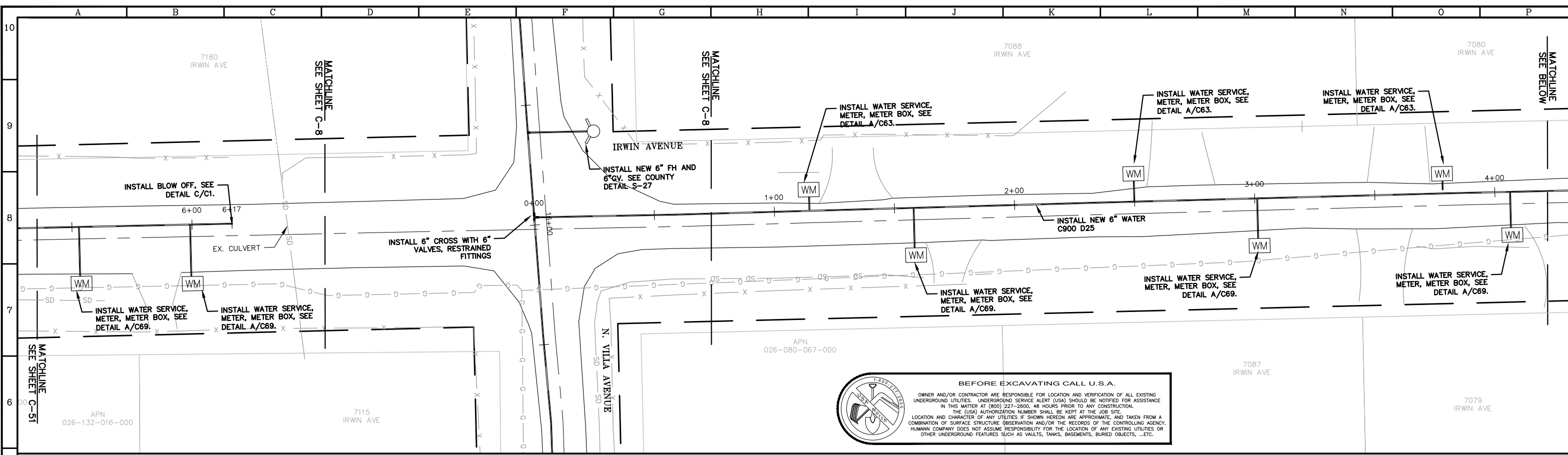
BUTTE COUNTY  
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**BUTTE COUNTY**

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IRWIN AVE  
 BETWEEN KENILWORTH AVE  
 AND BALDWIN AVE

SCALE  
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 SHEET NUMBER  
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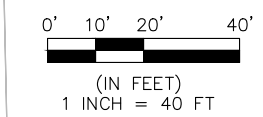
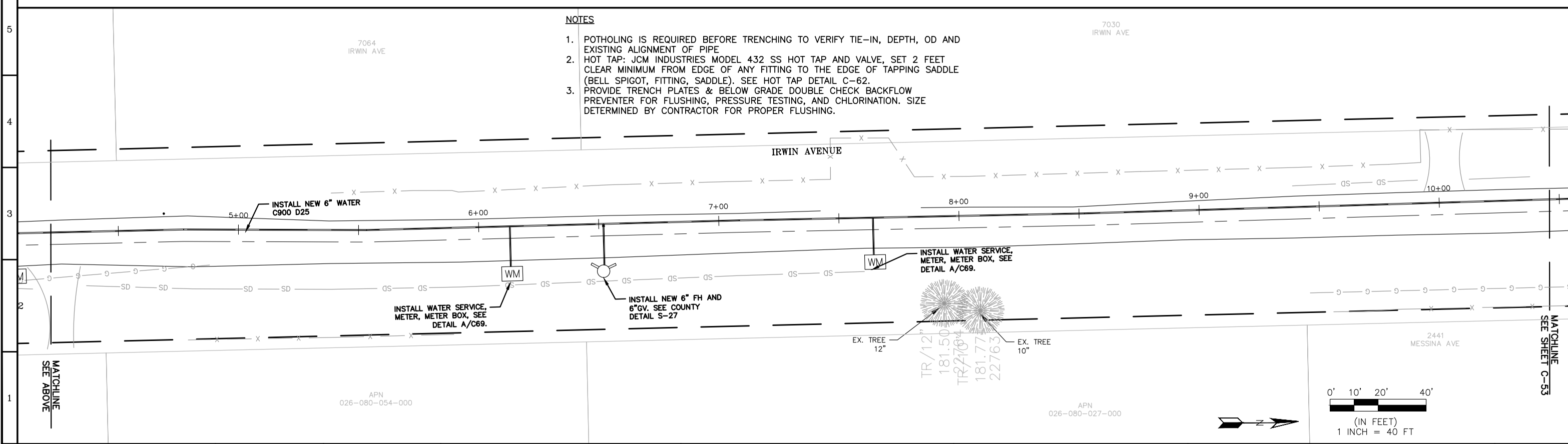


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LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"-SCALE ACCORDINGLY)

FILE: C.dwg  
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 DESIGNED: OS  
 CHECKED: JD  
 DATE: APRIL 2022



REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

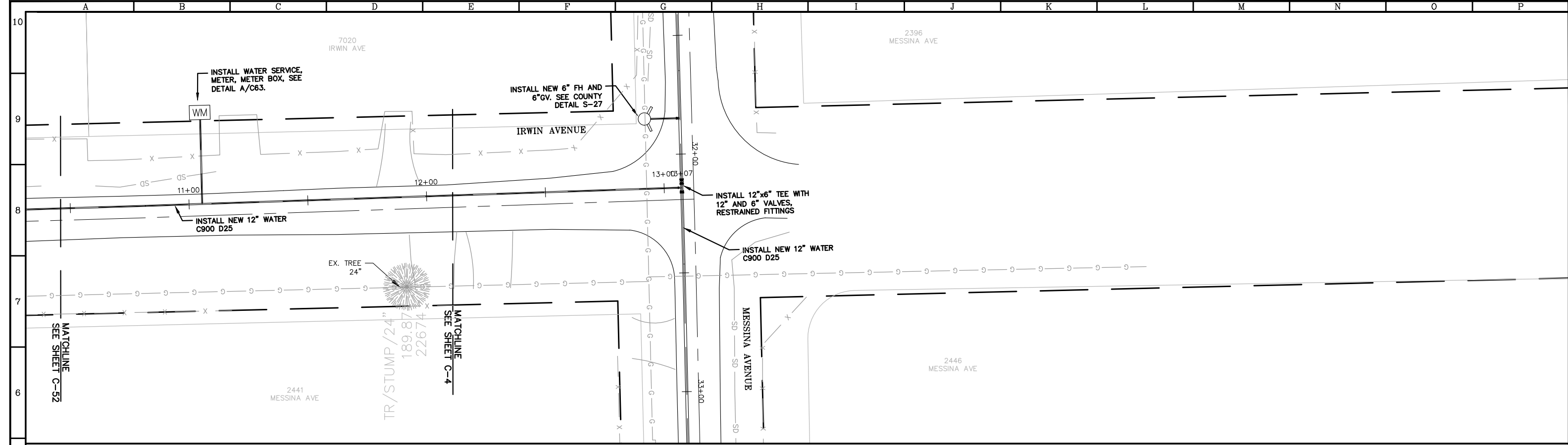
BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

IRWIN AVE  
 BETWEEN N VILLA AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-52**  
 SHEET NUMBER  
**55 OF 66**





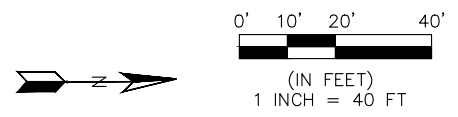
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REVISIONS					
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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
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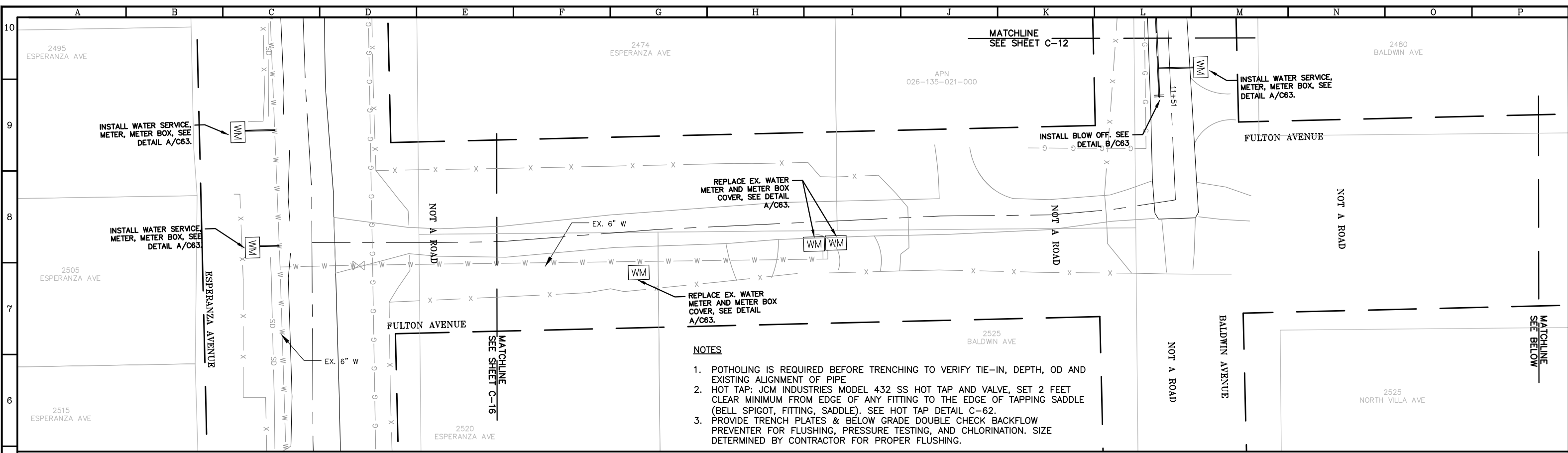
IRWIN AVE  
 BETWEEN N VILLA AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'

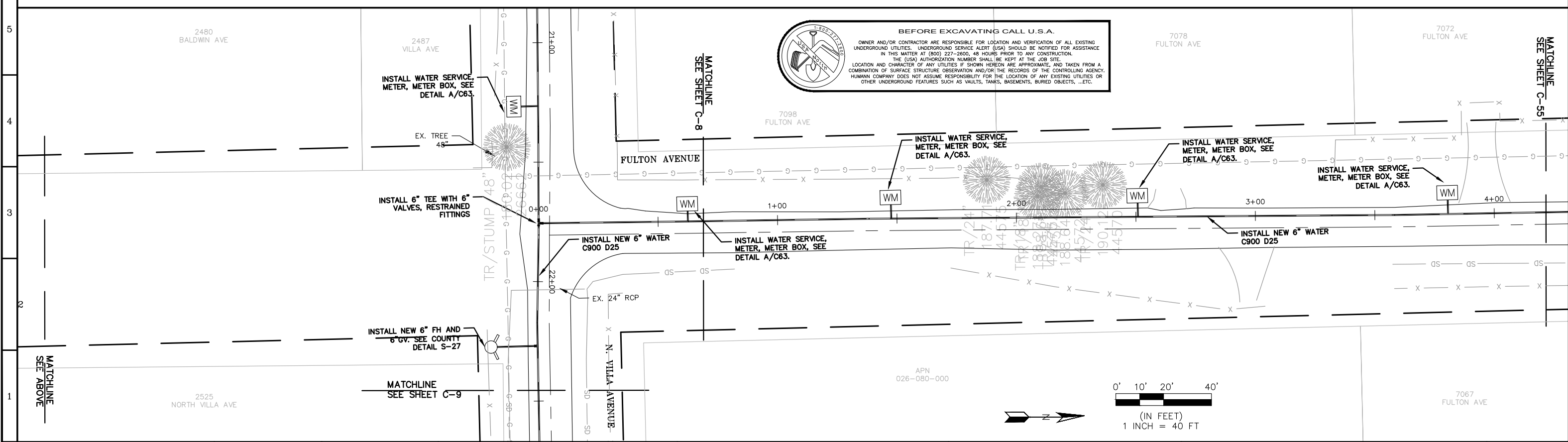
DRAWING NUMBER  
 C-53

SHEET NUMBER  
 56 OF 66

CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C.dwg DATE: 6/30/2022 5:01 PM



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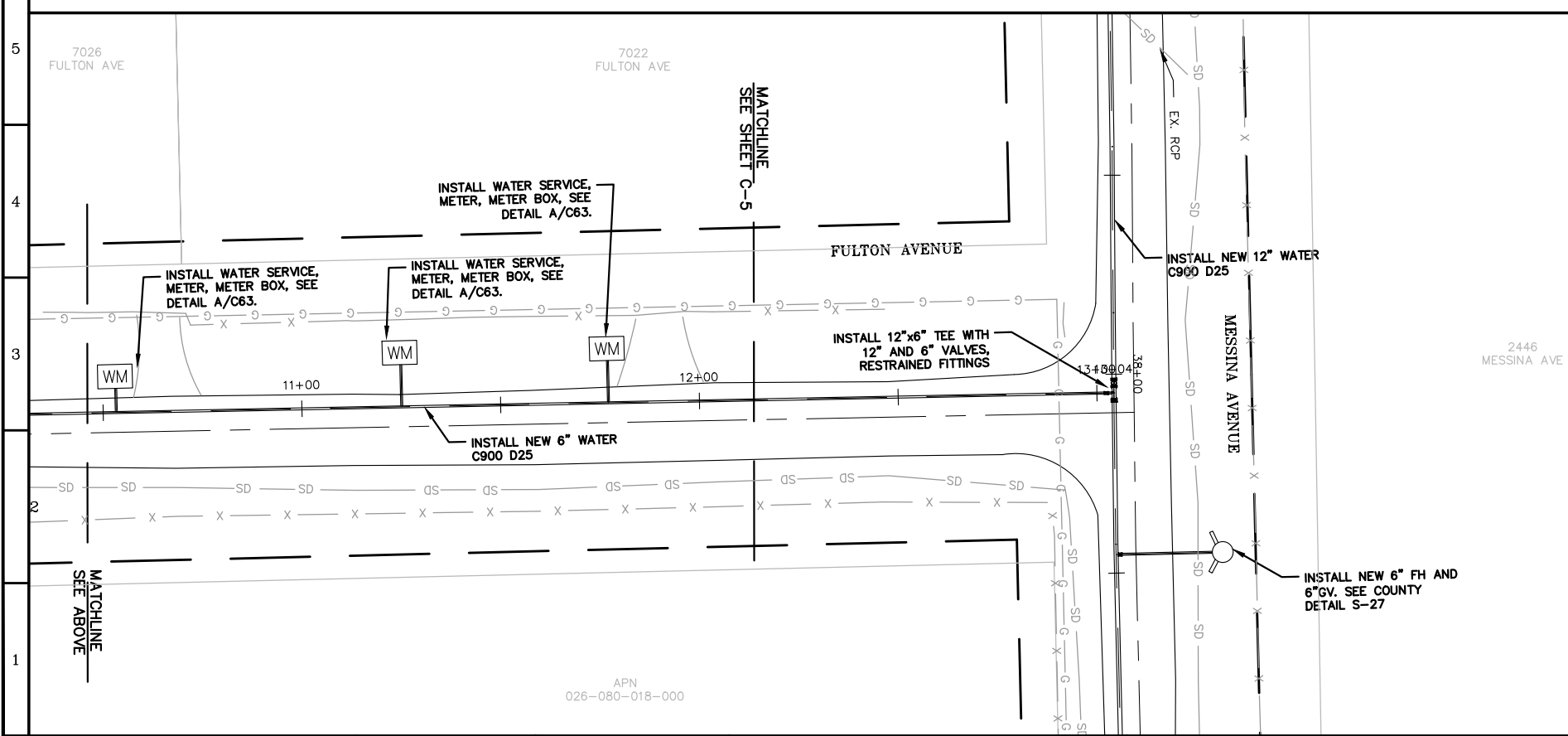
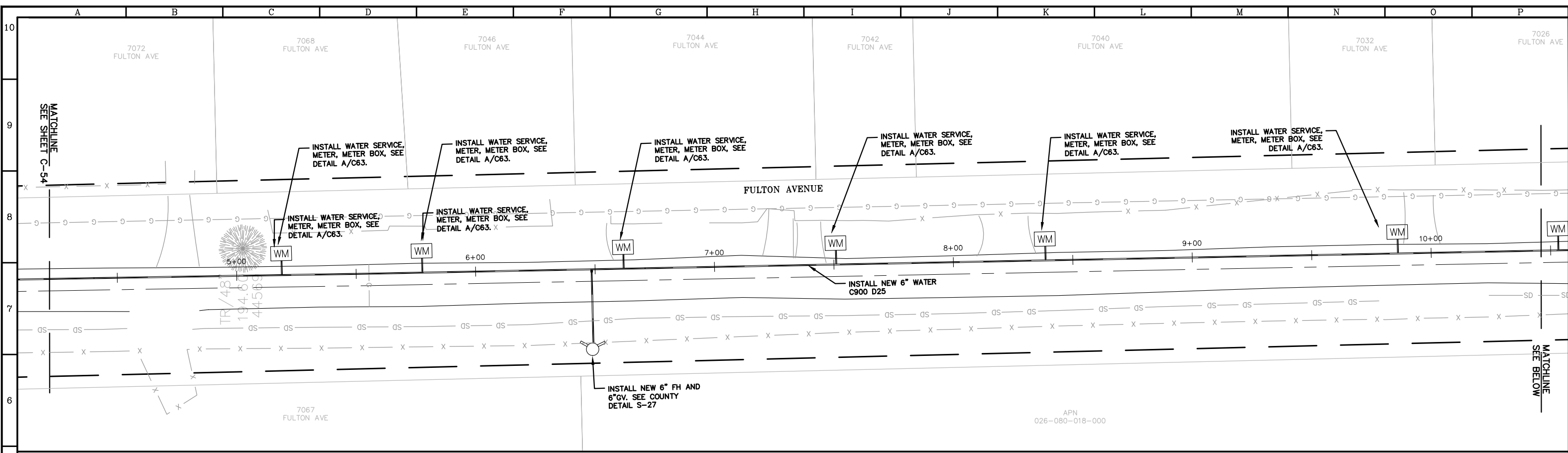
BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

FULTON AVE  
 BETWEEN ESPERANZA AVE  
 AND N VILLA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-54**  
 SHEET NUMBER  
**57 OF 66**

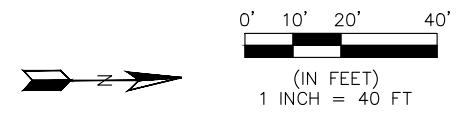
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REVISIONS				
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BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

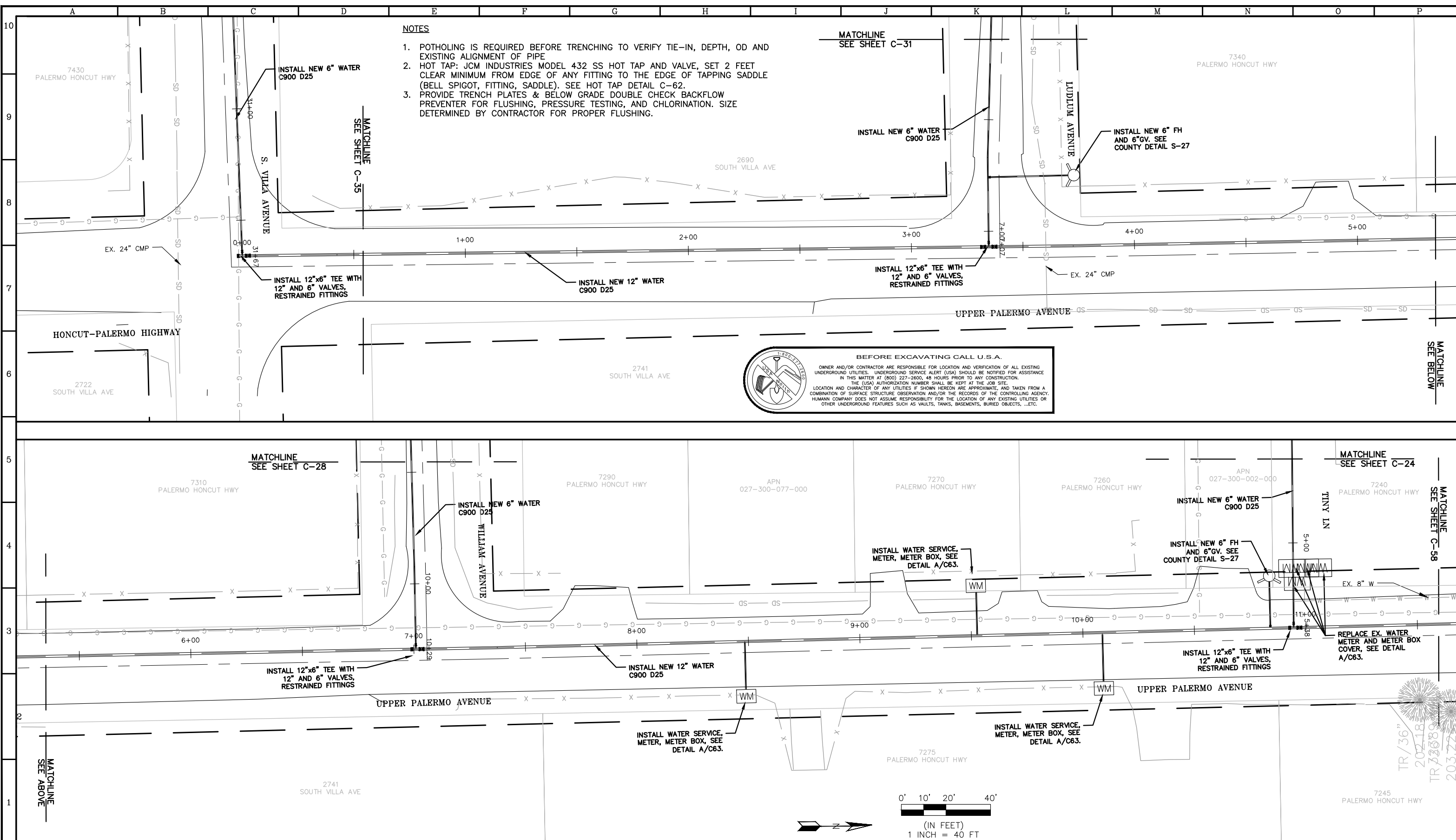
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FULTON AVE  
 BETWEEN N VILLA AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
 C-55  
 SHEET NUMBER  
 58 OF 66



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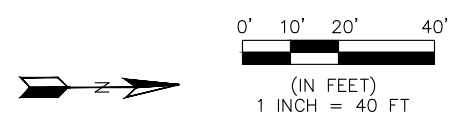
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BUTTE COUNTY  
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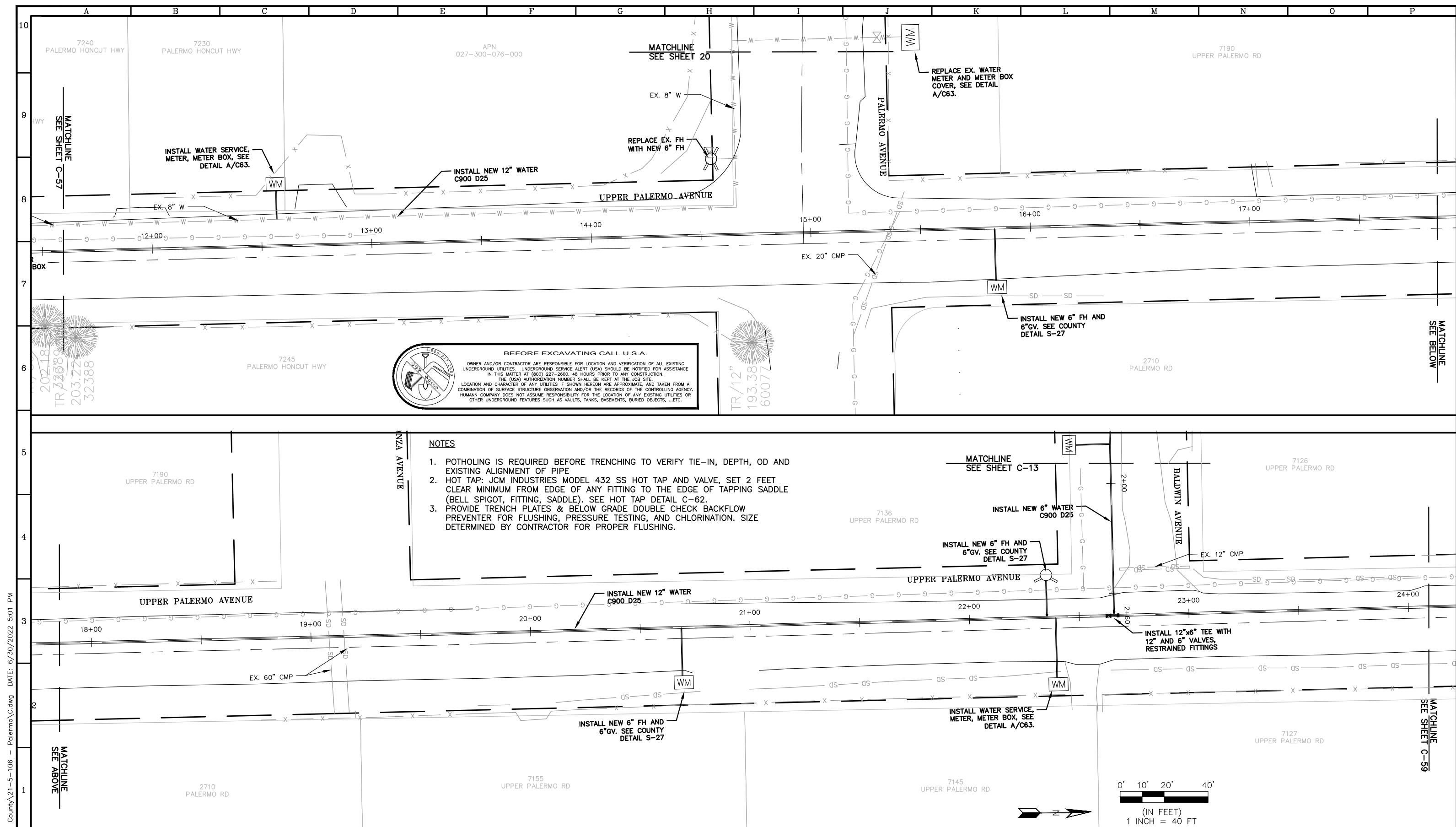
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 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

HONCUT-PALERMO HWY  
 BETWEEN S VILLA AVE  
 AND TINY LN

SCALE  
 1" = 40'

DRAWING NUMBER  
 C-56

SHEET NUMBER  
 59 OF 66

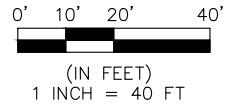


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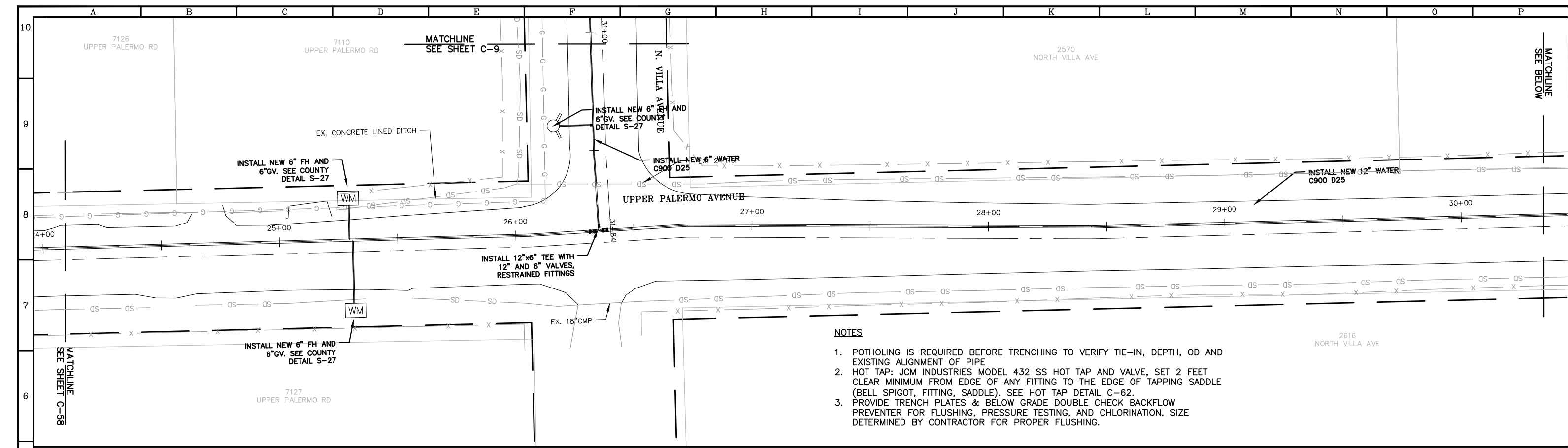
REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
 BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

UPPER PALERMO RD  
 BETWEEN PALERMO RD  
 AND N VILLA AVE

SCALE  
 1" = 40'  
 DRAWING NUMBER  
**C-57**  
 SHEET NUMBER  
**60 OF 66**

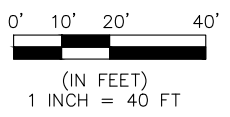
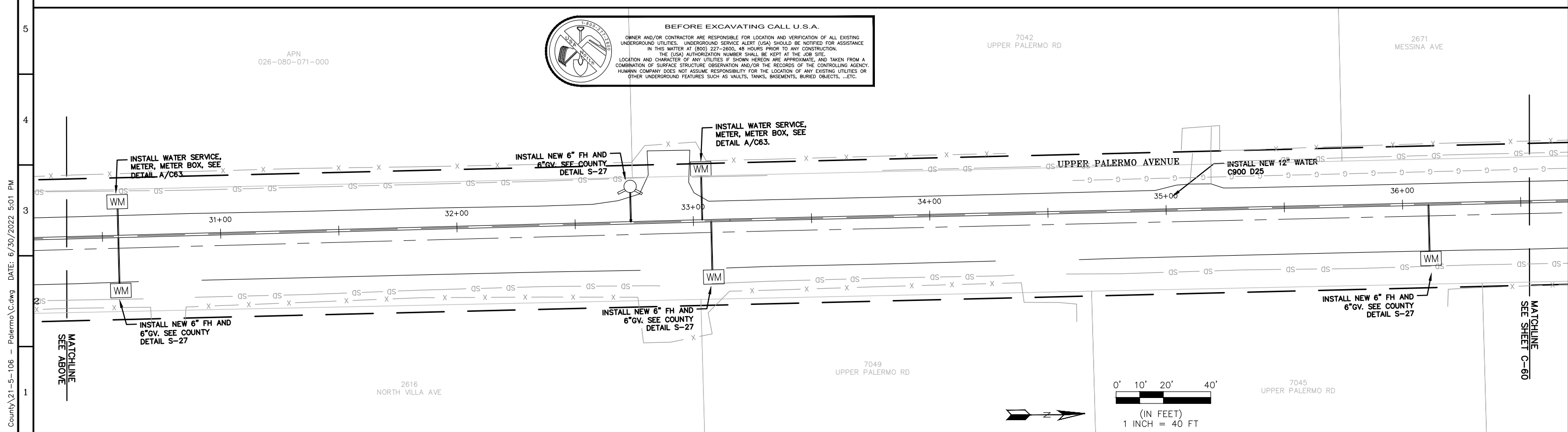


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 CHECKED JD  
 DATE APRIL 2022



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**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

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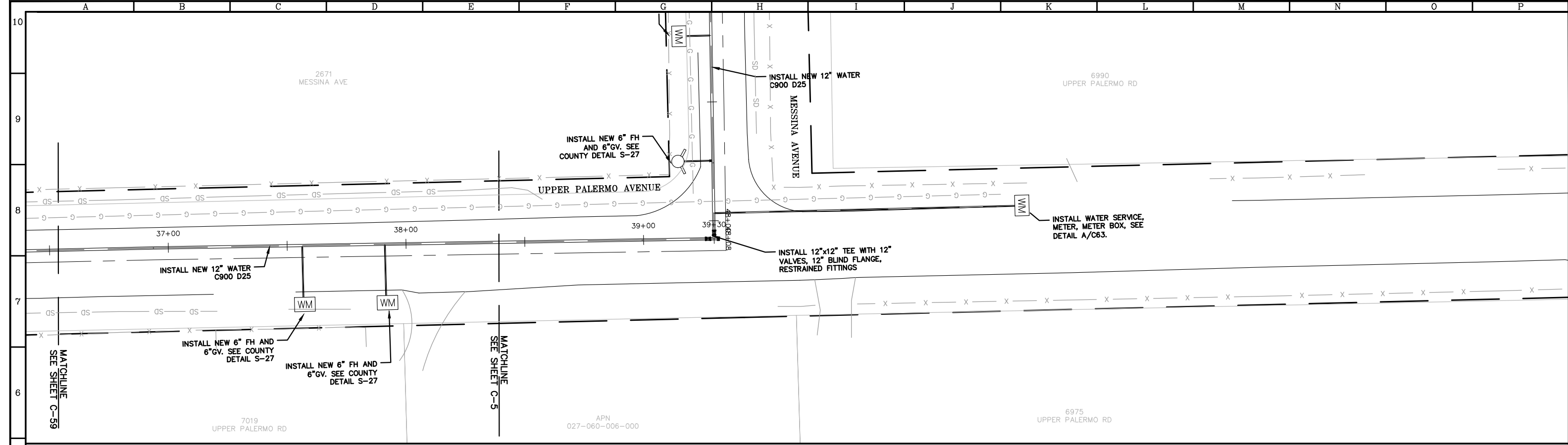
UPPER PALERMO RD  
 BETWEEN N VILLA AVE  
 AND MESSINA AVE

SCALE  
 1" = 40'

DRAWING NUMBER  
**C-58**

SHEET NUMBER  
**61 OF 66**

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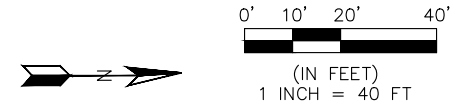


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BUTTE COUNTY  
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UPPER PALERMO RD  
 BETWEEN N VILLA AVE  
 AND MESSINA AVE

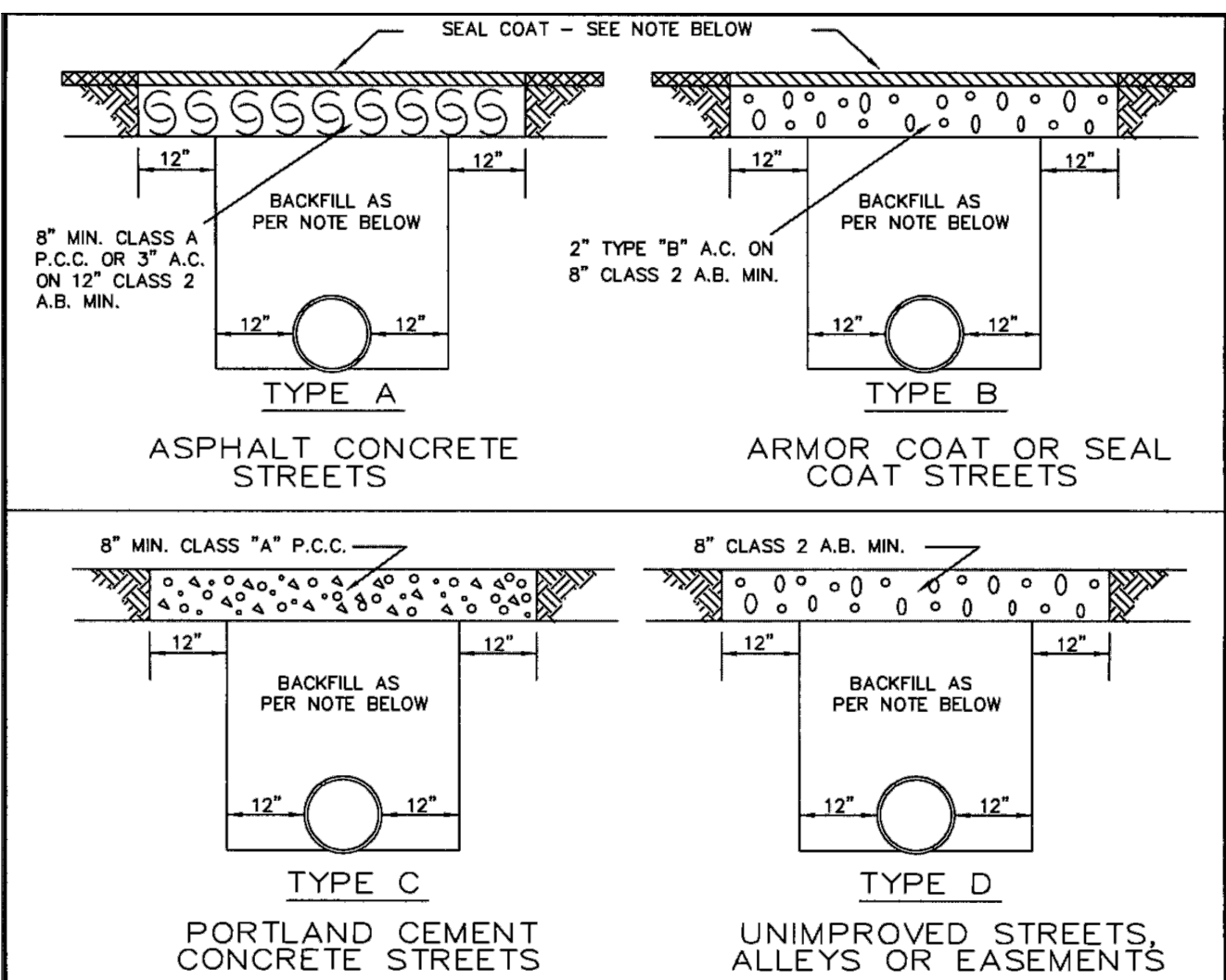
SCALE  
 1" = 40'

DRAWING NUMBER  
 C-59

SHEET NUMBER  
 62 OF 66

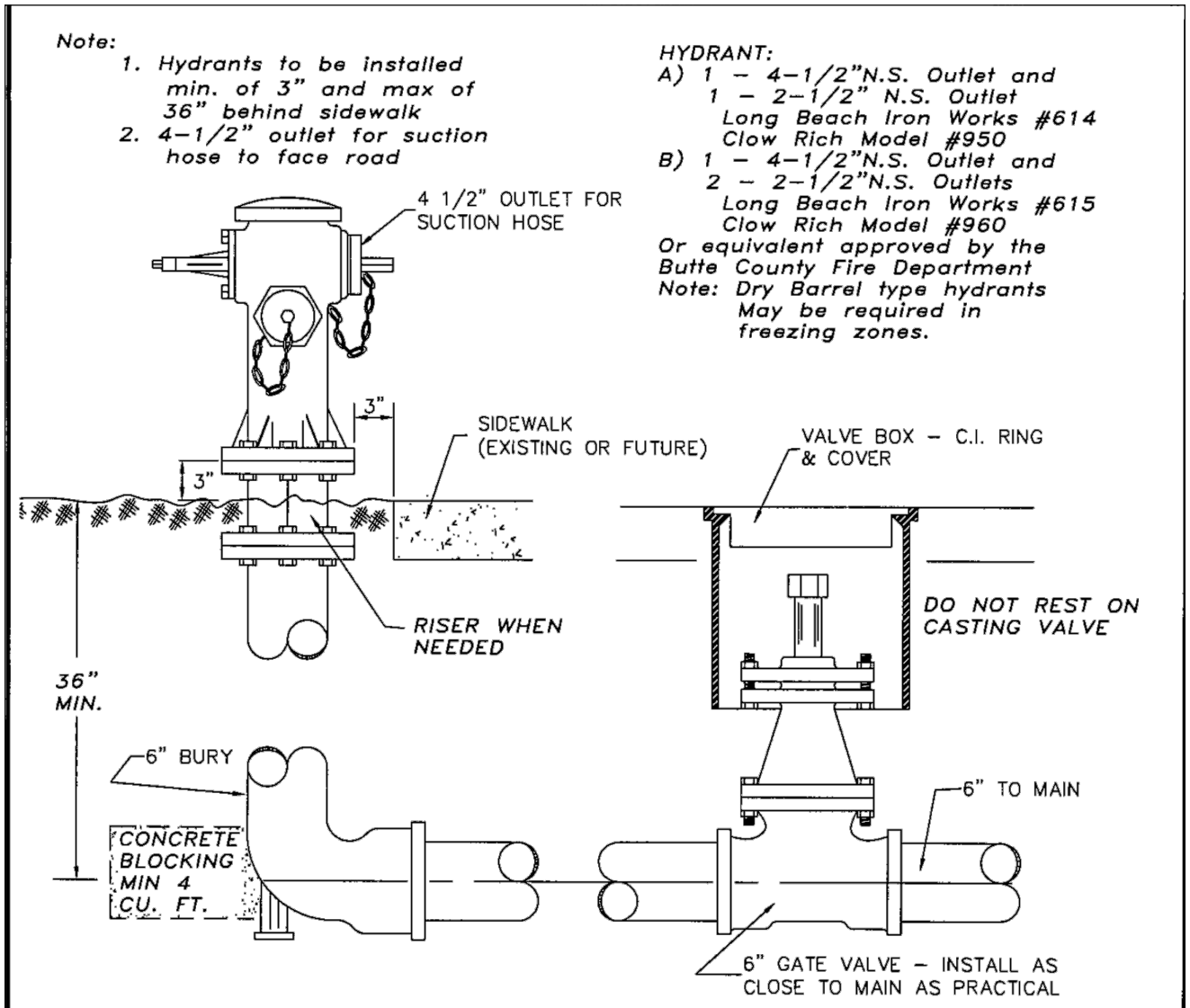
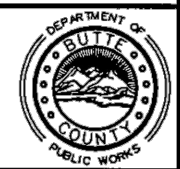


CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C-Details.dwg DATE: 6/30/2022 4:08 PM



- NOTES:**
- 1 ALL WORK SHOWN ABOVE SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS
  - 2 ALL EXCAVATION WITHIN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED IN ACCORDANCE WITH SECTION 19-3 OF THE STANDARD SPECIFICATIONS. MIN. SE = 30 , 95% REL COMPACTION FULL DEPTH.
  - 3 AREA ADJACENT TO THE TRENCH SHALL BE LEFT IN A CONDITION EQUAL TO OR BETTER THAN THAT EXISTING PRIOR TO CONSTRUCTION.
  - 4 SEAL COAT-BITUMINOUS BINDER SHALL BE COVERED WITH EITHER SAND OR SCREENINGS TO MATCH EXISTING SURFACE.
  - 5 STRUCTURAL SECTION ELEMENTS MAY BE INCREASED WHERE REQUIRED BY THE DEPARTMENT OF PUBLIC WORKS DUE TO SOIL CONDITIONS AND TRAFFIC CONSIDERATIONS. THE REPLACEMENT STRUCTURAL SECTION SHALL EQUAL THE EXISTING STRUCTURAL SECTION AS A MINIMUM REQUIREMENT, EXCEPT THAT THE SECTION SHOWN ABOVE IS AN ABSOLUTE MINIMUM.
  - 6 ASPHALT CONCRETE SHALL BE TYPE 'B', ¾" MAXIMUM MEDIUM GRADING.
  - 7 AGGREGATE BASE SHALL BE CLASS 2, ¾" MAXIMUM GRADING.

**TYPICAL DETAILS OF PAVEMENT  
REPLACEMENT AND BACKFILL REQUIREMENTS  
COUNTY STANDARD NO.  
S-17  
N.T.S.**



- Note:**
1. Hydrants to be installed min. of 3" and max of 36" behind sidewalk
  2. 4-1/2" outlet for suction hose to face road

**HYDRANT:**  
 A) 1 - 4-1/2" N.S. Outlet and  
 1 - 2-1/2" N.S. Outlet  
 Long Beach Iron Works #614  
 Clow Rich Model #950  
 B) 1 - 4-1/2" N.S. Outlet and  
 2 - 2-1/2" N.S. Outlets  
 Long Beach Iron Works #615  
 Clow Rich Model #960  
 Or equivalent approved by the  
 Butte County Fire Department  
 Note: Dry Barrel type hydrants  
 May be required in  
 freezing zones.

INSTALL IN ACCORDANCE WITH  
LOCAL UTILITY CO. & B.C.F.D. STANDARDS.

*Install blue reflective pavement markers according to the State Fire Marshals "Guidelines For Fire Hydrant Marking Along State Highways and Freeways" May 1988. Two are required when a hydrant is at an intersection of two streets. Install only on paved streets/roads, and only in zones not normally plowed for snow.*

**DEPARTMENT OF PUBLIC WORKS  
STANDARD FIRE HYDRANT INSTALLATION  
COUNTY STANDARD NO.  
S-27  
N.T.S.**



LINE IS 2 INCHES  
AT FULL SIZE  
(IF NOT 2"-SCALE ACCORDINGLY)

FILE: C-DETAIL.dwg  
 DRAWN: LL  
 DESIGNED: OS  
 CHECKED: JD  
 CHECKED: APRIL 2022



REVISIONS				
ZONE	REV.	DESCRIPTION	BY	DATE

BUTTE COUNTY  
PALERMO, CALIFORNIA  
BUTTE COUNTY

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SCALE  
N.T.S.

DRAWING NUMBER  
C-60

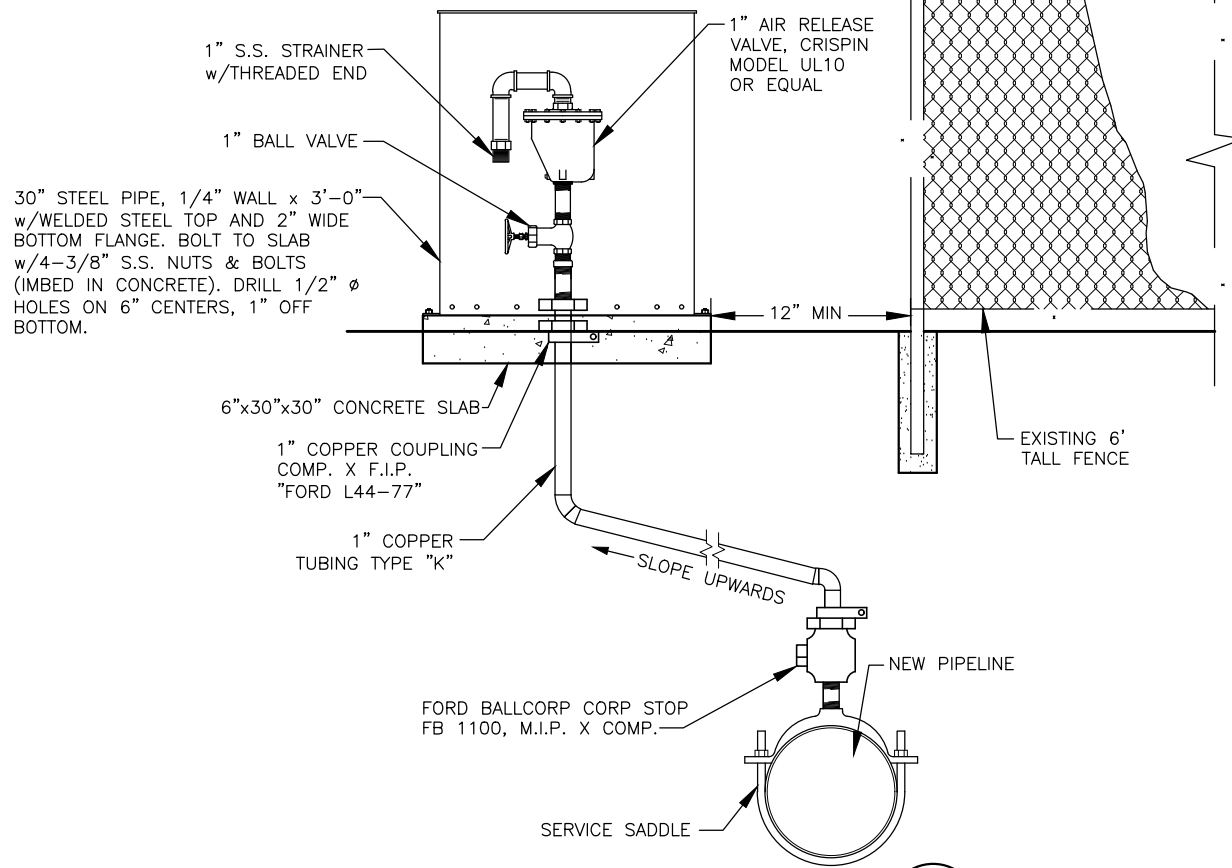
SHEET NUMBER  
63 OF 66

DETAILS I

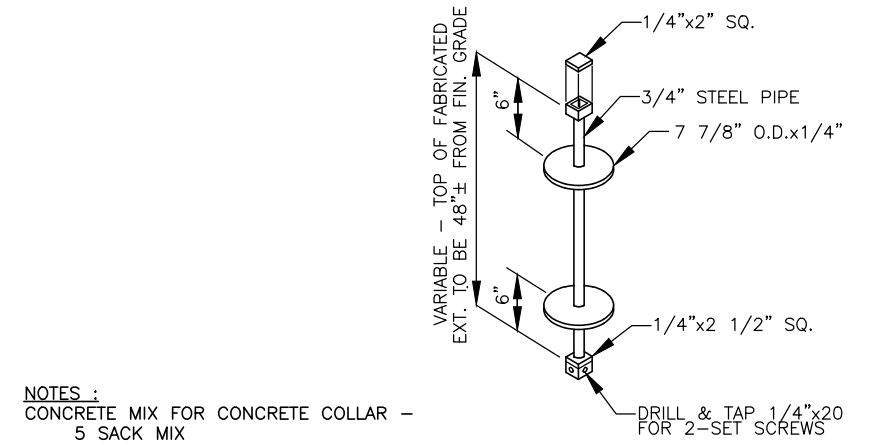
REQUIRED BEARING AREAS IN SQ. FT.						
INSTALLATION	TYPE FITTING	PIPE SIZES				
		4"	6"	8"	10"	14"
	90° ELL	2	4	7	12	26
	45° BEND	1	2	4	6	15
	22 1/2° BEND	1	1	2	3	8
	11 1/4° BEND	1	1	2	3	8
	TEE	2	3	5	8	19
	DEAD END	2	3	5	8	19

- NOTES :
- AREAS GIVEN ARE FOR CLASS 150 PIPE AT TEST PRESSURE OF 150 P.S.I. IN SOIL W/1,500 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT DATA SHALL ADJUST AREAS SUBJECT TO ENGINEERS APPROVAL.
  - BLOCKING TO BE POURED AGAINST UNDISTURBED SOIL.
  - THRUST BLOCKS ARE TO BE FREE, SEPARATE, & INDEPENDENT OF ADJACENT OR NEARBY THRUST BLOCKS.

HORIZONTAL THRUST BLOCK 4"-14" DETAIL  
N.T.S. A  
C-1

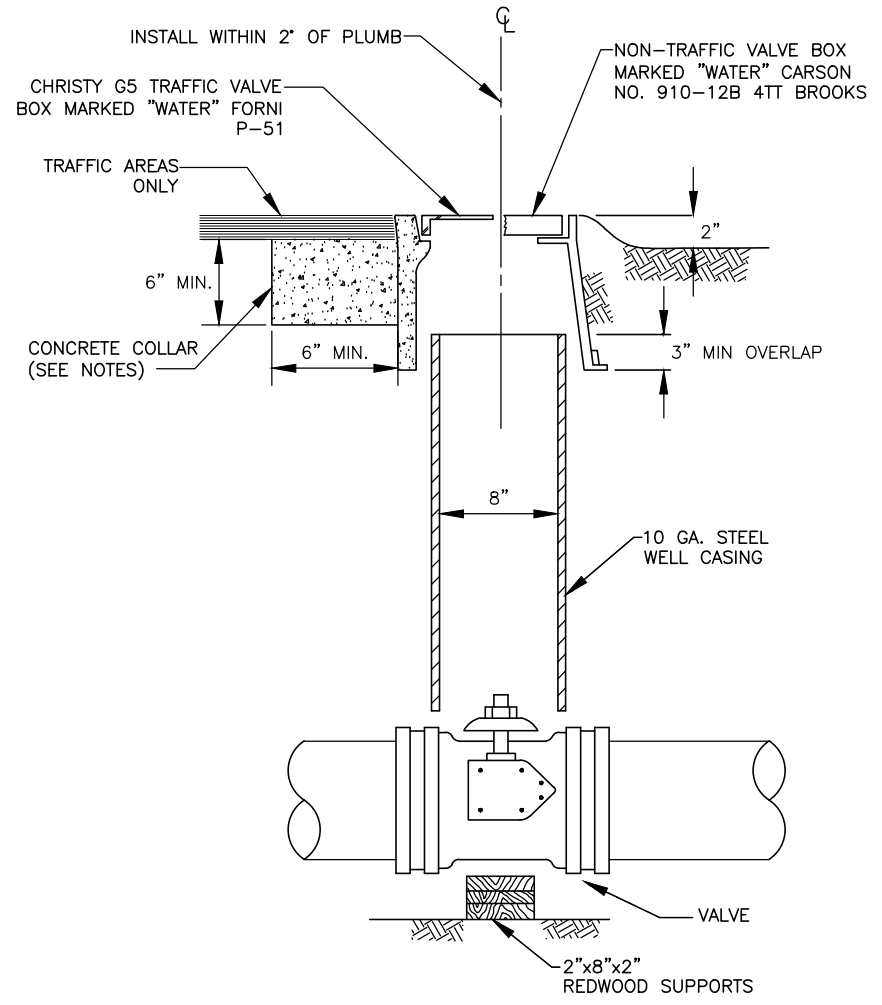


AIR RELEASE VALVE DETAIL  
N.T.S. B  
C-1



NOTES :  
 CONCRETE MIX FOR CONCRETE COLLAR -  
 5 SACK MIX  
 3/4" AGGREGATE (NO PEA GRAVEL)  
 NO "ACCELERATOR" ALLOWED - GO TO 7  
 SACK MIX FOR FASTER SET UP TIME.

VALVE OPERATING EXTENSION  
 REQ'D WHERE VALVE NUT IS IN EXCESS  
 OF 48" DEEP



VALVE RISER AND BOX  
N.T.S. C  
C-1

CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C-Details.dwg DATE: 6/30/2022 4:08 PM



LINE IS 2 INCHES  
 AT FULL SIZE  
 (IF NOT 2"-SCALE ACCORDINGLY)

FILE C-DETAIL.dwg  
 DRAWN LL  
 DESIGNED OS  
 CHECKED JD  
 CHECKED APRIL 2022



REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BUTTE COUNTY  
**PALERMO, CALIFORNIA**  
**BUTTE COUNTY**

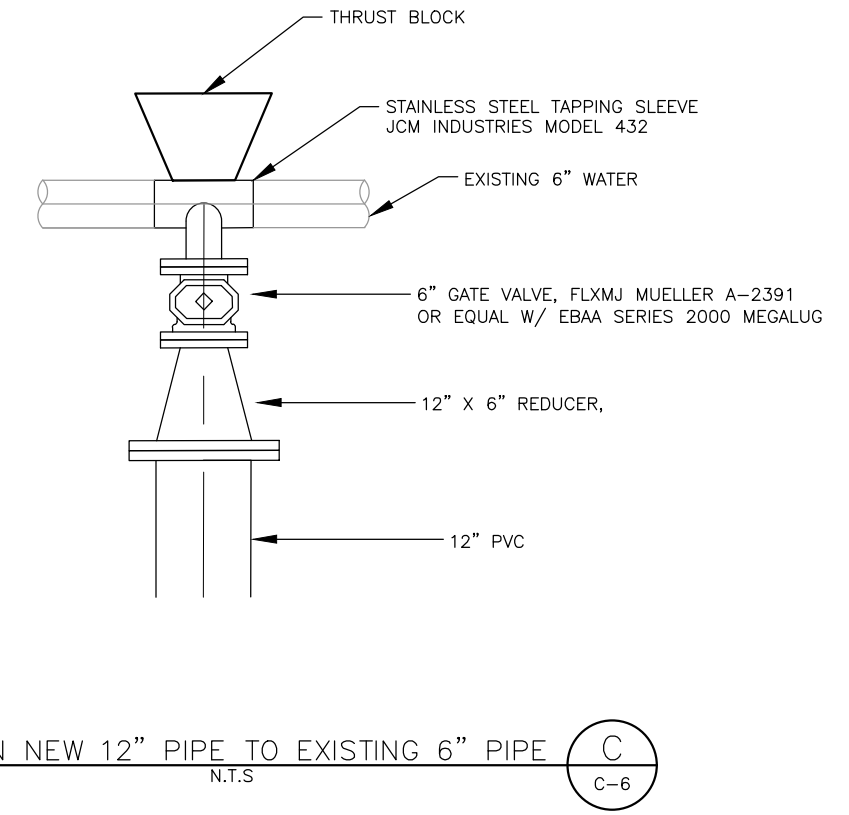
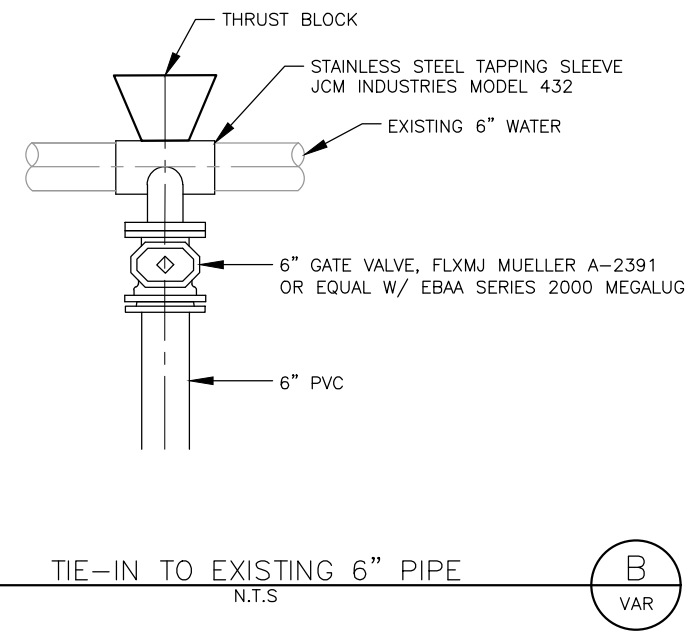
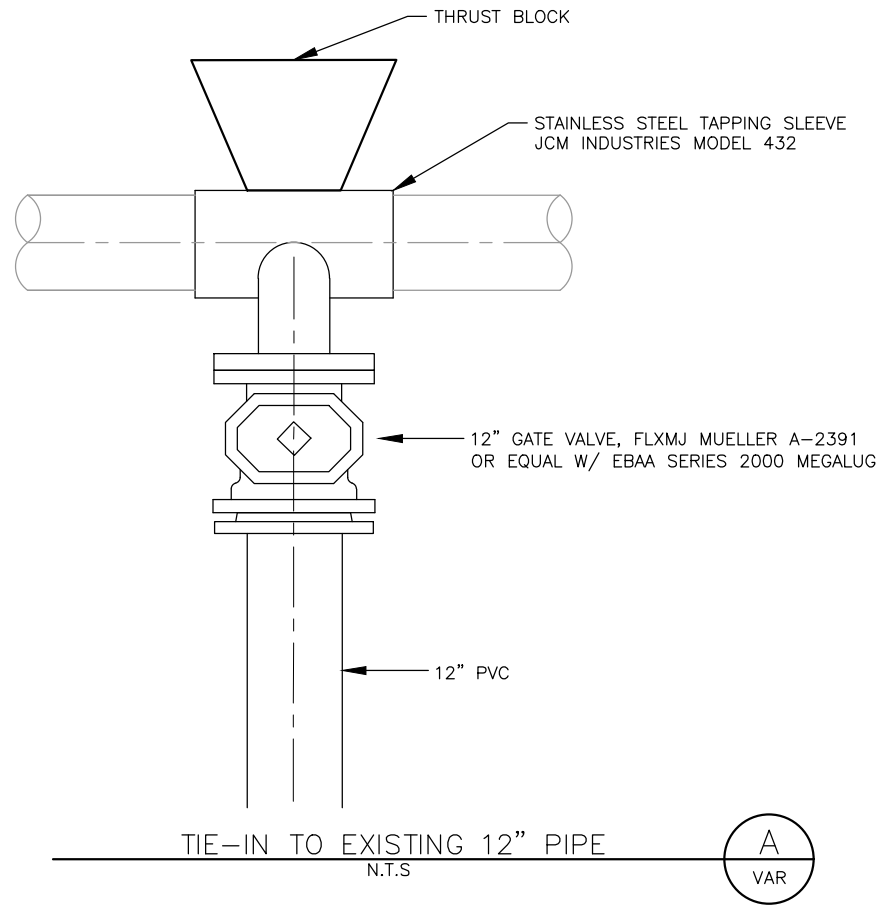
SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SCALE  
 N.T.S.

DRAWING NUMBER  
**C-61**

SHEET NUMBER  
**64** OF **66**

CAD FILE: G:\Projects\Butte County\21-5-106 - Palermo\C-Details.dwg DATE: 6/30/2022 4:08 PM



LINE IS 2 INCHES  
AT FULL SIZE  
(IF NOT 2"-SCALE ACCORDINGLY)

FILE: C-DETAIL.dwg  
DRAWN: LL  
DESIGNED: OS  
CHECKED: JD  
CHECKED: APRIL 2022



REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

BUTTE COUNTY  
PALERMO, CALIFORNIA  
BUTTE COUNTY

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
SUBMITTAL APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SCALE  
N.T.S.

DRAWING NUMBER  
C-62

SHEET NUMBER  
65 OF 66

DETAILS III

