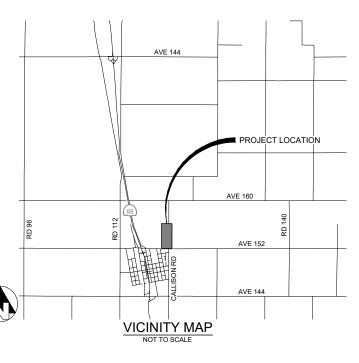




LOWER TULE RIVER IRRIGATION DISTRICT

TULARE COUNTY

TIPTON PIPELINE





SITE MAP

SPECIAL NOTE WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE

SITE SAFETY AND PROTECTION NOTES
THE DUTY OF THE ENGINEER, OWNER OR ITS AGENTS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE AND THE UNDERTAKING OF INSPECTIONS OR THE GIVING OF INSTRUCTIONS AS AUTHORIZED HEREIN IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF THE ACTUAL CONSTRUCTION NOR MAKE THE ENGINEER, OWNER OR ITS AGENTS RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR, SUBCONTRACTORS, OR SUPPLIERS, OR FOR ACCESS, VISITS, USE,

THE CONTRACTOR SHALL HAVE AT THE WORK SITE. COPIES OR SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS. ISSUED BY CAL-OSHA CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AS SET FORTH IN TITLE 29 C.F.R.

TO PROTECT THE LIVES AND HEALTH OF CONTRACTOR'S EMPLOYEES UNDER THE CONTRACT, THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., AND SHALL MAINTAIN AN ACCURATE RECORD OF ALL CASES OF DEATH, OCCUPATIONAL DISEASE, AND INJURY REQUIRING MEDICAL ATTENTION OR CAUSING LOSS OF TIME FROM WORK, ARISING OUT OF AND IN THE COURSE OF EMPLOYMEN' OR WORK UNDER THE CONTRACT.

THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY FEFICIENCY AND ADEQUACY OF CONTRACTOR'S FACILITIES. MAINTENANCE OR OPERATION.

THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE THE CONTRACT AND A MORES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOS STILE 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 THE OWNER, PROVOST & PRITCHARD CONSULTING GROUP, AND THEIR RESPECTIVE AGENTS 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 OWNER, ENGINEER, OR THEIR RESPECTIVE AGENTS.

THE OWNER AND ITS AGENTS' SITE RESPONSIBILITIES ARE LIMITED SOLELY TO THE ACTIVITIES OF THEIR EMPLOYEES ON SITE. THESE RESPONSIBILITIES SHALL NOT BE INFERRED BY ANY PARTY TO MEAN THAT THE OWNER OR ITS AGENTS HAVE RESPONSIBILITY FOR SITE SAFETY. SAFETY IN, ON, OR ABOUT THE SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR ALONE. THE CONTRACTOR'S METHODS OF WORK PERFORMANCE, SUPERINTENDENCE AND THE CONTRACTOR'S EMPLOYEES, AND SEQUENCING OF CONSTRUCTION ARE ALSO THE SOLE AND EXCLUSIVE RESPONSIBILITIES OF THE CONTRACTOR ALONG

TOPOGRAPHY NOTE

TOPOGRAPHY SHOWN WAS COLLECTED BY PROVOST & PRITCHARD CONSULTING GROUP DURING A FIELD SURVEY CONDUCTED IN MARCH OF 2024

BOUNDARY NOTE

THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF TIMOTHY M. ODOM, PLS 8468

BASIS OF BEARINGS

THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 4.

CSRC STATION "TULE". NGS PID DH6660. AN ALUMINUM DISK SET IN THE TOP OF A HEADWALL ON THE WEST SIDE OF RD. 112
(WESLING RD), HALF MILE NORTH OF AVE. 160.
ELEVATION = 250.57' NAVD88 DATUM, DETERMINED BY RTK

GPS OBSERVATIONS TIED TO LEICA SMARTNET RTN, IN MARCH OF 2024

GENERAL NOTES

- LOWER TULE RIVER IRRIGATION DISTRICT (559-686-4716) SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.
- USED MATERIAL, REJECTS, MISFITS, OR SECONDS, ETC. ARE NOT ACCEPTABLE FOR USE ON LOWER TULE RIVER
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS, PROJECT SPECIFICATIONS AND LOWER TULE RIVER IRRIGATION DISTRICT SPECIFICATIONS.
- CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 8-1-1. CONTRACTOR SHALL MAKE ENGINEER AWARE OF ANY DISCREPANCIES.
- ALL CAST-IN-PLACE CONCRETE STRUCTURES SHALL BE FORMED INSIDE AND OUT AND CONCRETE VIBRATED SUFFICIENTLY TO PROVIDE FOR SMOOTH SURFACED WALLS/FLOORS WITHOUT VOIDS AND HONEYCOMBS.
- PROVOST & PRITCHARD SHALL INSPECT ALL WORK PHASES ON CONCRETE FACILITIES FOR CONFORMANCE TO LOWER TULE RIVER IRRIGATION DISTRICT SPECIFICATIONS. REINFORCING SHALL NOT BE ENCASED IN CONCRETE WITHOUT PRIOR LOWER TULE RIVER IRRIGATION DISTRICT INSPECTIONS, LIKEWISE, CONCRETE SHALL NOT BE COVERED WITH EARTH PRIOR TO LOWER TULE RIVER IRRIGATION DISTRICT INSPECTION.
- CONCRETE DESIGN MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE SPECIFIED.
- ALL STEEL PIPE AND FITTINGS SHALL BE FURNISHED WITH A SHOP APPLIED HIGH SOLIDS EPOXY COATING ON THE INTERIOR AND EXTERIOR LINESS OTHERWISE INDICATED ALL OTHER EXPOSED STEEL SHALL BE PAINTED WITH A PRE-TREATMENT PRIMER, AN UNDERCOAT AND A FINAL COAT OF PAINT IN ACCORDANCE WITH LOWER
- 9. ALL NUTS, BOLTS, AND WASHERS USED TO SECURE UNDERGROUND FITTINGS SHALL BE STAINLESS STEEL AFTER INSTALLATION, ALL STEEL HARDWARE SHALL BE COATED WITH A RUST PREVENTATIVE, WRAPPED WITH A MIL POLYETHYLENE SHEETING, AND SECURE WITH PVC TAPE.
- 10. THRUST RESTRAINTS TO BE PROVIDED AT ALL PIPELINE BENDS, WHETHER OR NOT SHOWN ON THE PLANS.
- R BIDDING NOT FOR C ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CAL/OSHA STANDARDS.
- TRENCH BACKFILL AND RESERVOIR EMBANKMENTS SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE GEOTECHNICAL REPORT CONTAINED IN THE SPECIFICATIONS
- 13. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ALL PIPELINE CRACKS, WHICH DEVELOP DURING CONSTRUCTION OF IMPROVEMENTS AFFECTING EXISTING FACILITIES
- CONCRETE VAULTS AND BOXES MAY BE PURCHASED FROM A PRECAST MANUFACTURER OR CONTRACTOR MAY CONSTRUCT THE STRUCTURES IF STRUCTURAL CALCULATIONS AND DESIGN IS APPROVED BY THE LOWER TULE RIVER IRRIGATION DISTRICT AND THE ENGINEER
- 15. ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE DUST CONTROL AT ALL TIMES.

TIPTON PIPELINE

Sheet List Table

COVER

SITE PLAN

OUTLET

DETAILS 1

DETAILS 2

DETAILS 3

STA 9+85-19+00

STA 19+00-29+00

STA 29+00-34+00

LEGEND & ABBREVIATIONS

EXISTING & DEMO SITE

Sheet Number

PLAN & PROFILE

STRUCTURAL

DETAILS

GENERAL

G2

G3

C1

C2

PP3

D2

D3

DATE

DATE

APPROVALS

FRIC LIMAS

JOHN MICHAEL DOMONDON

CIVIL

R CONSTR 9/18/2024

FOR

PROVOST&
PRITCHARD
400E MAIN STREET SUITE 300
VISALIA, CALIFORNIA 32281-6537
PRIOR SPISSE-1177
FACE (589) 338-1177
FACE (589) 338-1177

DESIGN ENGINEER ICENSE NO: 83357

M. KLINCHUCH PRAFTED BY: CHECKED BY
DPJ EBN DATE: 09/03/2024 JOB NO: PHASE: DES

RIGINAL SCALE SHOWN IS ON INCH. ADJUST SCALE FOR EDUCED OR ENLARGED PLAN SHEET G1 12 1 of

BREVIA	ATIONS					LINETYPES			SYMBOLS			SINEER
	AGGREGATE BASE ASPHALT CONCRETE	HDW HGL	HEADWALL HYDRAULIC GRADE LINE	T&B TB	TOP & BOTTOM TOP OF BANK	LINET EXISTING	YPE NEW	DESCRIPTION	SYM	1BOL	DESCRIPTION	3D ENG
•	ASBESTOS-CEMENT PIPE	HORIZ	HORIZONTAL	ТВМ	TEMPORARY BENCHMARK	EXISTING	145.44	CONCRETE CURB	EXISTING	NEW		TCHAR ing Gro
G		HP HP GAS	HINGE POINT, HIGH POINT, HORSEPOWER HIGH PRESSURE GAS	TC TCE	TOP OF CURB TEMPORARY CONSTRUCTION EASEMENT			CONCRETE CURB FACE	•	•	ELECTRIC METER	& PRIT
г	AHEAD ALTERNATE	HPS HR	HIGH PRESSURE SWITCH HANDRAIL	TDI TELE	TENSILE DUCTILE IRON TELEPHONE			CONCRETE CURB FLOW	Δ		PAD MOUNTED TRANSFORMER	VOST and En
	ANGLE POINT	H/T	HUB & TACK	TF	TOP OF FOOTING			CONCRETE CURB LIP	E	Ē	ELECTRIC VAULT	V PRO'
PROX N	APPROXIMATE ASSESSOR'S PARCEL NUMBER	HWL HYDRO	HIGH WATER LEVEL HYDROPNEUMATIC	TFC TG	TOP FACE OF CURB TOP OF GRATE			BARRICADE			UTILITY POLE	VOST & WOST &
V	AIR RELIEF VALVE	ID	INSIDE DIAMETER	TH	THREAD			CONTOUR (DEPRESSION)	<i>℃</i>	•	UTILITY POLE	GHT2 of Pro
TM	AMERICAN SOCIETY FOR TESTING AND MATERIALS AIR VENT	IN INV	INCH INVERT	TL TOE	TOP OF LINING TOE OF SLOPE	123	123 ———	CONTOUR (MAJOR)	Ţ	٠	UTILITY POLE ANCHOR	SOUP REFINE
E /WA	AVENUE AMERICAN WATER WORKS ASSOCIATION	IP IRR	IRON PIPE IRRIGATION	TOP	TOP OF SLOPE			CONTOUR (MINOR)	©	©	ELECTRIC MANHOLE	8 118
R	BARRIER	JP	JUNCTION POLE	TR	TELEPHONE POLE TELEPHONE RISER			EMBANKMENT TOE	П	Ð	GAS METER	
)		LBS	POUNDS	TRANS	TRANSFORMER TRAFFIC			EMBANKMENT TOP FENCE (BLOCK WALL)		_		≻.
) :P		LC LCW	LENGTH OF CURVE LONG CRESTED WEIR	TRFC TS	TOP OF STRUCTURE				ID I	IŒ	GAS VALVE	l≓
.DG	BACK	LF LG	LINEAR FEET LONG	TSB	TELEPHONE SPLICE BOX			FENCE (CHAIN LINK) FENCE (WOOD)	o _{sco}	•sco	SANITARY SEWER CLEAN OUT	lōz
Л	BENCHMARK	LT	LEFT	TYP TWL	TYPICAL TOP OF WALL				\widehat{S}	S	SANITARY SEWER MANHOLE	ls: E
) }	BOLLARD BORING SITE	LPG MAX	LIQUEFIED PETROLEUM GAS MAXIMUM	UG UNO	UNDERGROUND UNLESS NOTED OTHERWISE	xx	xx	FENCE (WIRE)	•			1111 2
M	BOTTOM	MB	MAILBOX	UP	UTILITY POLE	SF	SF	FENCE (SILT)		left	SSMH (ECCENTRIC CONE)	RUC
C /		MCC MFR	MOTOR CONTROL CENTER MANUFACTURER	UT U/S	UTILITY UPSTREAM			GRADE BREAK	CB	св	STORM DRAIN CATCH BASIN	IKE
/L	BACK OF WALL	MH	MANHOLE	VCP	VITRIFIED CLAY PIPE	0 0 0 0 0	0 0 0 0 0	GUARDRAIL RAILROAD			STORM DRAIN INLET	URPO
/R CONC		MIN MISC	MINIMUM MISCELLANEOUS	VERT VG	VERTICAL VALLEY GUTTER						CTODM DDAIN CHI VEDT	15 6
	CALIFORNIA	MJ	MECHANICAL JOINT	VLT	VAULT			RETAINING WALL	→	—	STORM DRAIN CULVERT	1;; 8
B L	CABINET CABLE	MN MP	MAG NAIL MEDIUM PRESSURE GAS LINE	VLV (W)	VALVE WEST	——————————————————————————————————————	——————————————————————————————————————	SWALE CENTERLINE	((D)	STORM DRAIN MANHOLE	2 A A
S	CUBIC FEET PER SECOND	MPT	MALE PIPE THREAD	w´	WATER		XX" C/C	SWALE W/FLOW ARROWS		_	MAIL BOX	
G K		MRKR MS	MARKER MILD STEEL	WL WM	WATER LINE WATER METER		XX" ELEC (AERIAL)	COMPUTER/COMM. (BURIED)			SIGN	IH
LK	CHAIN LINK	(N)	NORTH	WS	WATER SERVICE	OE	XX" ELEC (BURIED)	ELECTRIC (ALRIED)	_ 	-=-		<u>#</u> 5
P	CAST IRON CAST IRON PIPE	NAVD NC	NORTH AMERICAN VERTICAL DATUM NORMALLY CONSOLIDATED	WV WW	WATER VALVE WASTE WATER	02	XX" FO	ELECTRIC (BURIED)	×	×	YARD LIGHT	~ Ž
PCP	CAST-IN-PLACE CONCRETE PIPE	NGVD	NATIONAL GEODETIC VERTICAL DATUM	W/	WITH	FO	XX" GAS	FIBER-OPTIC GAS	Δ	Δ	CONTROL POINT	lμ
VT	CLASS CULVERT	NIC NPT	NOT IN CONTRACT NATIONAL PIPE THREAD	W/O	WITHOUT		XX" IRR		<u> </u>	4	BENCH MARK	ĮΨ
	CENTERLINE	NTS	NOT TO SCALE					IRRIGATION	Ψ	₩		
.F	CHAIN LINK FENCE	OC OD	ON CENTER OUTSIDE DIAMETER			ss	XX" SS	OIL	•		FOUND MONUMENT	
.R ∥LC		OH	OVERHEAD			SS	XX" FM	SANITARY SEWER SANITARY SEWER FORCE MAIN		0	SET MONUMENT	
ΛP	CORRUGATED METAL PIPE	OP OSHA	OPERATING OCCUPATIONAL SAFETY & HEALTH ADMINISTRATI	ION			XX" FM ———	SANITARY SEWER FORCE MAIN SANITARY SEWER LATERAL	A	A	MONUMENT (OPTIONAL)	(
I IS	CONCRETE NAIL COMPACTED NATIVE SOIL	O&M	OPERATIONS & MAINTENANCE				XX" SI		9	· ·		20
1	SEWER CLEAN OUT	(P) PB	PROPOSED PULL BOX					SIGNAL INTERCONNECT (BURIED) STEAM	N	7	OWNERSHIP TIE	\ \
NT NST	CONTINUOUS CONSTRUCT/CONSTRUCTION	PC	POINT OF CURVATURE			sp	XX" SD	STEAM STORM DRAINAGE	NO.)	NO.	LOT NUMBER	&z
R	CORNER	PCC PCC	POINT OF COMPOUND CURVATURE PORTLAND CEMENT CONCRETE				XX" TELE (AERIAL)		П		TELEPHONE RISER	
DRP DL	CORPORATION COLUMN	PE	PERMANENT EASEMENT				XX" TELE (BURIED)	TELEPHONE (AERIAL) TELEPHONE (BURIED)	_			
DUP	COUPLING	PER PI	PERIMETER POINT OF INTERSECTION				XX" TV (AERIAL)	TELEVISION (AERIAL LINE)	\mathcal{T}	Т	TELEPHONE VAULT	
?	CROWN	PIP	PLASTIC IRRIGATION PIPE				XX" TV (BURIED)	TELEVISION (AERIAL LINE) TELEVISION (BURIED LINE)	У	₩	2-NOZZLE HYDRANT	
J	CUBIC	PLC P	PROGRAMMABLE LOGIC CONTROLLER PROPERTY LINE			w	XX" W	WATER	Α.	.	3-NOZZLE HYDRANT	H
Υ λ	CUBIC YARDS DRIVE APPROACH	PNL	PANEL				<u></u>	CENTERLINE		=		
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MO	DEMOLISH/DEMOLITION DROP INLET	POL POT	POINT ON LINE POINT ON TANGENT					MEANDER LINE	F	F	FIRE VAULT	
A, Ø	DIAMETER	PP	POWER POLE					PROPERTY LINE	ш		WATER METER	ų ā
M o		PRC PRV	POINT OF REVERSE CURVATURE PRESSURE REDUCING VALVE					RESERVATION/PARK/FOREST	ш			
3	DOWNSTREAM	PSF PSI	POUNDS PER SQUARE FOOT					RIGHT-OF-WAY	W	00	WELL	
V VG	DRIVEWAY DRAWING	PT	POUNDS PER SQUARE INCH POINT OF TANGENCY					RELINQUISH ACCESS LINE	8	•	WATER VALVE	
		PVC	POLYVINYL CHLORIDE					SECTION LINE)	ì	BLOW-OFF	□ □
		PVCC PVMT	POINT OF VERTICAL COMPOUND CURVATURE PAVEMENT					STATE/COUNTY/CORPORATE LIMIT	~°			NO G
С	ECCENTRIC	PVRC	POINT OF VERTICAL REVERSE CURVATURE				~~~~~~~	REVISION CLOUD	A)	<u>.</u> ₹	AIR RELIEF VALVE	PTON
i	EACH FACE EXISTING GRADE	PVI R	POINT OF VERTICAL INTERSECTION RADIUS					SAWCUT LINE	<i>BFP</i>	BFP	BACK FLOW PREVENTOR	l⊟ u
ELEV	ELEVATION	RBR	REBAR				- *****	DEMO LINE	\otimes	8	GATE VALVE HANDLE	- -
C EC		RC RCP	RADIUS OF CURVE REINFORCED CONCRETE PIPE				•••••	WORK LIMITS				
L	ELBOW	RD	RELATIVE DENSITY			HATCH PATTERNS		<u>_</u>			STILLING WELL] [
L		RD RE	ROAD REFERENCE			HATCH	TYPE	DESCRIPTION	⊗	⊗	FENCE POST	
	EDGE OF PAVEMENT	REQD	REQUIRED			EXISTING	NEW	- · · · · · · · · · · · · · · · · · · ·		$\overline{}$	FENCE GATE] -
UIV MT	EASEMENT	RET REV	RETURN REVISION						/ 1	/ 1		
C	EUCALYPTUS	RGRCP RGS	RUBBER GASKETED REINFORCED CONCRETE PIP RIGID GALVANIZED STEEL	PΕ				AGGREGATE		^		
2	Enon with	RP	RADIUS POINT							<u>/xx\</u>	REVISION	U/
P	EXPOSED	RR RT	RAILROAD RIGHT					AC PAVEMENT		\otimes	CONSTRUCTION CALLOUT	NA C
) d	FURNISH & INSTALL	RTU	REMOTE TERMINAL UNIT						-			(A) <
)	FOUND	R/W	RIGHT OF WAY							ETAIL NUMBER	DETAIL CALLOUT	Ö
С	FIRE DEPARTMENT CONNECTION FINISHED FLOOR	(S) S	SOUTH, SOLVENT WELD SLIP					AC PAVEMENT DEMOLITION	www.s	HEET NUMBER		
	FINISHED GRADE	S=	SLOPE			E	F			~ -	LINE BREAK	OF OF
, FL	FIRE HYDRANT FLOW LINE	SCH SCP	SCHEDULE STANDARD CONCRETE PIPE			1	1 1 2 4 1 m	CONCRETE		(\sim 0
3	FLANGE	SD	STORM DRAIN			1.5 1.4	,a.	·-·-)	PIPE END (SCHEMATIC)	
GD	FLANGED FORCE MAIN	SDMH SEC	STORM DRAIN MANHOLE SECTION			Professor		CONCRETE LINES OF THE STATE		γ	PIPE END	DESIGN E
	FENCE	SERV	SERVICE					CONCRETE LINING (PLAN VIEW)	∇	▼		M. KI
Р	FIBER REINFORCED POLYESTER PIPE FOOT/FEET	SF SP	SQUARE FEET SERVICE POLE				**************************************				EMPANIZMENT APPONT	LICENSE 1 8335
1	FRONT OF WALK	SPEC	SPECIFICATION					EARTH			EMBANKMENT ARROW	DRAFTED
/L	FACE OF WALL GAUGE	SPNDL SQ	SPINDLE SQUARE					<u> </u>				DPJ
A AL	GALLON	SS	SANITARY SEWER			DEY						DA
ALV	GALVANIZED	SS OR STS SSMH	STAINLESS STEEL SANITARY SEWER MANHOLE					RIP RAP	HWL=	XXX.XX_	HIGH WATER LINE	JOB I
B M	GRADE BREAK GAS METER	STA	STATION						=			PROJECT N
PM	GALLONS PER MINUTE	STD	STANDARD STEEL					SAND	(E) XX XXX.XX	VV VVV VVV		PHAS
RVL S	GAS	STL STP	STAND PIPE			444	444	OMINU	— (E) AA AAA.AA	— AX XXX.XX	SPOT ELEVATION	0
SV	GAS VALVE	STRC	STRUCTURE						•			ORIGINAL :
JY /	GUY WIRE GATE VALVE	STRP SWL	STRIPING SWALE					EXPANDED METAL		•	SECTION VIEW	REDUCED C
D	HEAD	STWL	STILLING WELL									SHEET
PE	HIGH DENSITY POLYETHYLENE	(T)	THREADED THREAD									<u>_</u> _

GRADING NOTES

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT AND STRUCTURES, AND PIPELINES.
- THE MAXIMUM LABORATORY DENSITY AT OPTIMUM MOISTURE CONTENT WILL BE DETERMINED BY TEST METHODS IN CONFORMANCE WITH ASTM D1557. A MINIMUM OF 90% RELATIVE COMPACTION WILL BE REQUIRED UNLESS
- ENGINEERED FILL SHALL BE PLACED IN LOOSE LIFTS NO THICKER THAN 8 NCHES, AND UNIFORMLY MOISTURE CONDITIONED AT THE TIME OF COMPACTION, AND COMPACTED TO AT LEAST 90% RELATIVE COMPACTION
- OVEREXCAVATE TO A MINIMUM DEPTH OF 12" UNDER AND WITHIN 5' OF ALL STRUCTURES AND STANDPIPES AND RECOMPACT TO A MINIMUM 90% RELATIVE COMPACTION
- NATIVE SOIL MATERIALS, EXCLUSIVE OF DEBRIS, LESS THAN 3 INCHES IN MAXIMUM DIMENSION, AT THE PROPER MOISTURE RANGE, AND CONTAINING LESS THAN 0.3% ORGANICS BY WEIGHT MAY BE USED AS ENGINEERED FILL
- ALL AREAS TO RECEIVE ENGINEERED FILL SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12 INCHES, UNIFORMLY MOISTURE CONDITIONED, AND COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION.
- ENGINEERED FILL SHALL BE CONSTRUCTED USING METHODS THAT MITIGATE STRATIFICATION AND LAMINATION OF THE FILL AND MUST BE COMPACTED USING KNEADING COMPACTORS (I.E., SHEEPSFOOT) TO PROMOTE BLENDING WITHIN AND BETWEEN INDIVIDUAL CONSTRUCTION LIFTS. TRACK ROLLING, PNEUMATIC WHEEL ROLLING, AND SMOOTH DRUM COMPACTORS SHALL NOT BE
- WITHIN 3' OF ANY STRUCTURE, HAND TAMPERS OR OTHER ACCEPTABLE MEANS EXCLUDING HEAVY EQUIPMENT SHALL BE USED TO COMPACT BACKFILL. THE SURFACE AREA AROUND ANY STRUCTURE SHALL BE GRADED TO CONVEY SURFACE RUNOFF AWAY FROM THE STRUCTURE. COMPACTED PIGINEERED FILL, BACKFILL AND SUBGRADES SHALL MEET MINIMUM 99% RELATIVE COMPACTION (ASTM D-1557) AND BE ACCOMPLISHED BY MANUALLY OPERATED COMPACTORS AROUND STRUCTURES AND TO A MINIMUM DEPTH OF 12 INCHES OVER TOP OF PIPE, UNLESS SPECIFICALLY IDENTIFIED OTHERWISE ON THESE PI ANS
- MOISTURE CONTENT OF COMPACTED FILL MATERIAL AND BACKFILL MATERIAL SHALL NOT BE GREATER THAN 3% ABOVE OPTIMUM MOISTURE CONTENT
- PROTECT EXCAVATIONS BY SHORING BRACING SHEET PILING UNDERPINNING PROTECT EXCAVATIONS BY SHORING, BRACING, SHEET PILING, UNDERPRINNING OR OTHER METHODS REQUIRED TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO EXCAVATION. GRADE EXCAVATION TOP PERIMETER TO PREVENT SURFACE WATER RUN-OFF INTO EXCAVATIONS.
- ALL TRENCH EXCAVATION SHALL COMPLY WITH THE MOST CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS (OSHA)
- NATIVE MATERIAL SHALL BE USED FOR THE FILL MATERIAL. HOWEVER, FILL MATERIAL SHALL BE FREE OF TRASH, ORGANIC MATERIAL AND OTHER DEBRIS. STONES OR COBBLES HAVING A LARGEST DIMENSION GREATER THAN ONE INCH (1') WILL NOT BE USED IN RECOMPACTED MATERIAL. NO OBJECT HAVING A LARGEST DIMENSION GREATER THAN THREE INCHES (3") SHALL BE INCLUDED IN ANY COMPACTED FILL TO BE USED FOR THE NEW TURNOUT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL LOCATIONS AND DIMENSIONS
- ALL COSTS FOR INITIAL COMPACTION TESTS SHALL BE BORNE BY THE OWNER ALL COSTS FOR INITIAL COMPACTION TESTS SHALL BE BORNE BY THE OWNER ALL AREAS THAT FAIL TO MEET THE MINIMUM COMPACTION REQUIREMENTS SHALL BE REWORKED AS REQUIRED BY THE ENGINEER AND RETESTED UNTIL MINIMUM COMPACTION REQUIREMENTS ARE OBTAINED. THE COST OF ANY RETESTS, INCLUDING TIME FOR THE ENGINEER, SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT. TESTING WILL BE REQUIRED AS DIRECTED BY THE ENGINEER BUT AT MINIMUM WILL OCCUR. EVERY 300 FEET WITH AT LEAST TWO TESTS AT DIFFERENT DEPTHS AT EACH LOCATION. TEST JOCATIONS SHALL BE DETERMINED BY THE ENGINEER BY LOCATION. TEST LOCATIONS SHALL BE DETERMINED BY THE ENGINEER UPON NOTIFICATION FROM THE CONTRACTOR THAT THE GRADE IS READY FOR TESTS. CONTRACTOR SHALL BE PRESENT WHEN SAMPLES OF BEDDING, SELECT BACKELL AND BACKELL MATERIALS ARE GATHERED FOR ANALYSIS OR
- A SAMPLE BACKELL MATERIALS PER ASTM D 75
- B. COMPACTION TESTING WILL BE PERFORMED IN ACCORDANCE WITH SECTION 19-5.03, STATE STANDARD SPECIFICATIONS.
- C. UNSUITABLE MATERIAL IS MATERIAL DETERMINED TO BE INCAPABLE OF BEING COMPACTED TO SPECIFIED DENSITY USING ORDINARY METHODS AT OPTIMUM MOISTURE CONTENT, TOO WET TO BE PROPERLY COMPACTED IF CIRCUMSTANCES PREVENT SATISFACTORY IN-PLACE DRYING PRIOR TO INCORPORATION INTO THE WORK, OR OTHERWISE UNSUITABLE FOR THE PLANNED LISE
- 15. ENGINEERED FILL AND EMBANKMENT CONSTRUCTION
- A. UNLESS OTHERWISE NOTED. PLACEMENT AND COMPACTION OF ENGINEERED FILL MATERIALS FOR ALL FILL AREAS SHALL BE PERFORMED ACCORDING TO THE PROVISIONS OF SECTION 19-6, STATE STANDARD SPECIFICATION, EXCEPT THAT LARGE ROCKY MATERIAL OR HARD LUMPS LARGER THAN 3 INCHES, IN GREATEST DIMENSION WILL NOT BE ALLOWED IN THE TOP 24 INCHES OF FILL.
- B. BEFORE PLACING EMBANKMENT, SCARIFY GROUND SURFACE TO PROVIDE AMPLE BOND BETWEEN OLD AND NEW MATERIAL, AS SHOWN ON THE PLANS. PLACE EMBANKMENT MATERIAL IN LAYERS NOT EXCEEDING 8 INCHES, LOOSE MEASUREMENT. COMPACT EACH LAYER BEFORE PLACING THE NEXT LAYER AS THE COMPACTION OF EACH LAYER PROGRESSES, CONTINUALLY LEVEL AND MANIPULATE TO ENSURE UNIFORM MOISTURE AND DENSITY. ADD WATER TO OBTAIN OPTIMUM MOISTURE CONTENT. REMOVAL OF EXCESS WATER SHALL BE ACCOMPLISHED THROUGH AERATION BY PLOWING, BLADING, DISKING, OR OTHER METHODS SATISFACTORY TO THE ENGINEER
- C. IN THE EVENT OF ENCOUNTERING CEMENTED SOIL ZONE THE CONTRACTOR SHALL APPLY THE NECESSARY EFFORT TO ACHIEVE THE SPECIFIED PARTICLE SIZE CONTROL WITHIN THE MATERIAL PLACED IN THE EMBANKMENT PRISM.

TRENCH EXCAVATION

- PAVED AREAS: CUT EXISTING PAVEMENT TO FULL DEPTH TO A TRUE LINE BEFORE EXCAVATION AND MAINTAIN THE EDGE SUITABLE FOR REPAVING. PAVEMENT REMOVED SHALL NOT BE USED AS BACKFILL.
- 2. EXCAVATION AND BACKFILLING OF TRENCHES USED FOR CONSTRUCTION OF COMMUNICATIONS, POWER, PROCESS PIPING, AND WATER DISTRIBUTION AND SEWER SYSTEMS SHALL CONFORM TO SECTION 19, "EARTHWORK," STATE STANDARD SPECIFICATIONS.
- EXCAVATION SHALL BE BY OPEN CUT EXCEPT THAT SHORT SECTIONS OF A TRENCH MAY BE TUNNELED IF THE UTILITIES CAN BE SAFELY AND PROPER INSTALLED AND BACKFILL CAN BE PROPERLY COMPACTED IN SUCH TUNNE SECTIONS.
- 4. TRENCHING GUIDELINES: EXCAVATE THE TRENCH TO THE APPROXIMATE LEVEL OF THE GRADE OF THE UTILITY LINE TO BE INSTALLED, USING ADEQUATE TRENCH WIDTH AND SIDE SLOPES TO SAFELY ACCOMMODATE WORKER ACCESS.
- A. ROCKY TRENCH BOTTOM: WHERE LEDGE ROCK, HARD PAN, BOULDERS, OR ROUST TRENGT BUT TOM: WHENE LEUGE ROUST, HARLI PAN, BULLDERS, VIS SHARP-EDGED MATERIALS ARE ENCOUNTERED, OVER EXCAVATE A MINIMUM DEPTH OF 6 INCHES BELOW THE BOTTOM OF THE UTILITY EXTERIOR WALL TO PERMIT ADGOLATE BEDDING PREPARATION. THE INSTALLED UTILITY SHALL HAVE AT LEAST 6 INCHES OF CLEARANCE FROM ANY ROCK PROTRUSION.
- A.1. UNSTABLE TRENCH BOTTOM: SECURE APPROVAL OF DEPTH OF OVER-EXCAVATION AND STABILIZATION METHOD. FOR WET TRENCH CONSTRUCTION, USE APPROVED METHOD OF DEWATERING THROUGH DIVERSION, DAMMING AND PUMPING, WELL POINTS, OR UNDERDRAIN DIVERSION, DANIMING AND POWIFFING, WELL POINTS, OR ONDERDRAIN SYSTEMS. DISPOSE OF REMOVED FLUIDIZED MATERIALS AS APPROVED. USE BEDDING MATERIAL TO BUILD A SUITABLE FOUNDATION TO WITHIN 6 INCHES OF FINISHED UTILITY GRADE, PRIOR TO BEDDING WITH THE INCHES OF PINISHED UTILITY AREAD, PRICENT DISEDUTING WITH THE SPECIFIED MATERIAL. COMPACT LAYERS TO 95 PERCENT OF MAXIMUM DENSITY IN NOT GREATER THAN 6-INCH LAYERS. DO NOT PROCEED WITH UTILITY INSTALLATION UNTIL WET TRENCH AND UNSTABLE CONDITIONS ARE CORRECTED TO THE SATISFACTION OF THE ENGINEER.
- 5. REMOVE AREAS OF SUB-GRADE NOT READILY CAPABLE OF IN-SITU COMPACTION.
- A. BACKFILL WITH BEDDING OR SELECT BACKFILL MATERIAL AND COMPACT TO DENSITY EQUAL TO REQUIREMENTS FOR SUBSEQUENT BACKFILL.
- 6. CORRECT UNAUTHORIZED EXCAVATION AT NO COST TO OWNER.
- A. IF THE TRENCH IS EXCAVATED BELOW THE REQUIRED GRADE, REFILL ANY PART OF THE TRENCH EXCAVATED BELOW THE GRADE
- B. PLACE THE REFILLING MATERIAL OVER THE FULL WIDTH OF TRENCH IN COMPACTED LAYERS NOT EXCEEDING 8 INCHES DEEP TO THE ESTABLISHED GRADE WITH ALLOWANCE FOR SPECIAL BEDDING.
- 7. TRENCH WIDTHS IN THE PIPE ZONE SHALL BE AS SHOWN ON THE DRAWINGS. IF NO DETAILS ARE SHOWN, MAXIMUM WIDTH SHALL BE 24 INCHES GREATER THAN THE PIPE OUTSIDE DIAMETER.
- A. TRENCH WIDTH AT THE TOP OF THE TRENCH WILL NOT BE LIMITED EXCEPT WHERE WIDTH OF EXCAVATION WOULD UNDERCUT ADJACENT STRUCTURES AND FOOTINGS. IN SUCH CASE, WIDTH OF TRENCH SHALL BE SUCH THAT THERE IS AT LEAST 2 FEET BETWEEN THE TOP EDGE OF THE TRENCH AND THE
- 8. HAND TRIM FOR BELL AND SPIGOT PIPE JOINTS.
- 9. REMOVE LUMPED SOIL, BOULDERS AND ROCK.
- 10. EXCAVATION SHALL NOT INTERFERE WITH NORMAL 45 DEGREE BEARING SPLAY OF FOUNDATIONS.
- 11. DURING TRENCH EXCAVATION. PLACE THE EXCAVATED MATERIAL ONLY WITHIN THE WORKING AREA. DO NOT OBSTRUCT ROADWAYS OR STREETS. CONFORM TO FEDERAL, STATE, AND LOCAL CODES GOVERNING THE SAFE LOADING OF TRENCHES WITH EXCAVATED MATERIAL

12. FOUNDATION STABILIZATION

- A. AFTER THE REQUIRED EXCAVATION HAS BEEN COMPLETED, THE ENGINEER WILL INSPECT THE EXPOSED SUBGRADE TO DETERMINE THE NEED FOR ANY ADDITIONAL EXCAVATION. IT IS THE INTENT THAT ADDITIONAL EXCAVATION BE CONDUCTED IN ALL AREAS WITHIN THE INFLUENCE OF THE PIPELINE WHERE UNSUITABLE MATERIALS EXIST AT THE EXPOSED SUBGRADE. OVER EXCAVATION SHALL INCLUDE THE REMOVAL OF ALL SUCH UNACCEPTABLE MATERIAL THAT EXISTS DIRECTLY BENEATH THE PIPELINE TO A WIDTH 24 INCHES GREATER THAN THE PIPE OUTSIDE DIAMETER AND TO THE DEPTH
- B. ROCK REFILL USED BY THE CONTRACTOR FOR HIS CONVENIENCE WILL NOT RECEIVE ANY ADDITIONAL PAYMENT.

13.UTILITY INSTALLATION

A. UTILITY INSTALLATION: SHAPE THE TRENCH BOTTOM TO ENSURE UNIFORM CONTACT WITH THE FULL LENGTH OF THE INSTALLED LINE AND REMOVE ANY SHARP-EDGED MATERIALS THAT MIGHT DAMAGE THE LINE. COMPACTION SHALL BE MAINTAINED BENEATH THE LINE

- A. BACKFILLING AND CLEANUP WORK SHALL BE ACCOMPLISHED AS SECTIONS OF PIPE OR CONDUIT ARE TESTED AND APPROVED. VEHICUI AR TRAVEL THROUGH THE WORK SITE SHALL BE IMPEDED OR OBSTRUCTED AS LITTLE AS
- B. COMPACTION: USE VIBRATORY COMPACTORS FOR SANDS AND GRAVELS (NON-COHESIVE SOLIS). USE MECHANICAL TAMPERS FOR SAND AND GRAVEL CONTAINING A SIGNIFICANT PORTION OF FINE-GRAINED MATERIALS, SUCH AS SILT AND CLAY (COHESIVE SOILS). HAND TAMP AROUND PIPE OR CABLE TO PROTECT THE LINES UNTIL ADEQUATE CUSHION IS ATTAINED. PUDDLING OR WATER FLOODING FOR CONSOLIDATION OF BACKFILL OR COMPACTION BY WHEEL ROLLING WILL NOT BE PERMITTED.
- C. BEDDING: PIPE SHALL BE PLACED ON FIRM COMPETENT MATERIAL
- D. SELECT BACKFILL: FILL BY HAND PLACEMENT AROUND THE UTILITY IN 6" LIFTS, EVENLY PLACED ON EACH SIDE OF THE PIPE, AND COMPACT IN A MANNER TO ENSURE AGAINST LATERAL OR VERTICAL DISPLACEMENT. PLACE SELECT BACKFILL TO 12 INCHES ABOVE THE UTILITY LINE BY HAND PLACEMENT.
- E. BACKFILL: TO MINIMIZE SETTLING, SOILS SHALL BE BACKFILLED IN LAYERS, WITH EACH LAYER COMPACTED PRIOR TO ADDITION OF THE NEXT LAYER UNLESS OTHERWISE SPECIFIED, PLACE AND COMPACT THE SPECIFIED MATERIAL AS FOLLOWS:
- 15. VEHICULAR TRAFFIC AREAS (UNDER PAVED ROAD SURFACES): FILL AND COMPACT IN 8-INCH MAXIMUM LAYERS AS FOLLOWS
 - a. TOP 24 INCHES SHALL BE MINIMUM 95% RELATIVE COMPACTION.
 - b. BELOW 24 INCHES SHALL BE MINIMUM 90 PERCENT RELATIVE COMPACTION.
- 16. NON-TRAFFIC AREAS (DIRT ROADS AND OTHER NON-PAVED SURFACES): FILL AND COMPACT IN 8-INCH MAXIMUM LAYERS TO MINIMUM 90 PERCENT RELATIV COMPACTION.

CONCRETE NOTES

ALL CONCRETE SHALL BE NORMAL WEIGHT CONSISTING OF TYPE II/V PORTLAND CEMENT, FINE AGGREGATE, COARSE AGGREGATE, AND WATER (WATER:CEMENT RATIO SHALL NOT EXCEED 0.45 ABSOLUTE BY WEIGHT, AND SLUMP SHALL NOT EXCEED 4 INCHES ±1 INCH). THE CONCRETE SHALL BE PLACED WITHIN ONE AND ONE-HALF HOURS FROM THE TIME WATER IS INTRODUCED TO YIELD AT 28 DAYS A MINIMUM COMPRESSIVE STRENGTH WITH AN EXPOSURE CATEGORY (IF NOT OTHERWISE SPECIFIED) AS FOLLOWS:

BASIN OUTLET STRUCTURE AND FLOW METER VAULT 4,000 PSI, F0, S0, W2, C1

- CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318 (LATEST EDITION). CONCRETE MIXING SHALL COMPLY WITH ASTM C94.
- SUBMIT CONCRETE LIFT DRAWINGS SHOWING THE LOCATION OF CONSTRUCTION JOINTS AND OTHER TYPES OF JOINTS OTHER THAN SPECIFIED OR SHOWN ON THE DRAWINGS FOR FAVORABLE REVIEW BY THE ENGINEER BEFORE START OF WORK ON FORMS, REINFORCING STEEL OR PLACING CONCRETE ANY ADDITIONAL VERTICAL OR HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE A STANDARD KEYWAY AND SHALL BE REVIEWED BY THE ENGINEER. REFER TO SPECIFICATIONS AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION. CONSTRUCTION JOINTS SHALL BE ROUGHENED TO 1/4" AMPLITUDE.
- OPENINGS, PIPE SLEEVES, CONDUITS, INSERTS, AND OTHER EMBEDDED ITEMS SHALL BE IN PLACE BEFORE CONCRETE IS PLACED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, LANDSCAPING, HVAC PLUMBING, INSTRUMENTATION, AND OTHER PLANS FOR ITEMS REQUIRING SLEEVES AND EMBEDMENTS IN CONCRETE WHICH ARE NOT INDICATED OR SHOWN ON STRUCTURAL DRAWINGS. NO PIPES OR SLEEVES SHALL PASS THROUGH STRUCTURAL MEMBERS UNLESS SHOWN ON STRUCTURAL DRAWINGS, COORDINATE WITH FOUIPMENT MANUFACTURER'S DRAWNIGS FOR ANCHORING DEVICES.

 CONCRETE SHALL BE PREVENTED FROM PREMATURE DRYING FOR A CURING PERIOD OF AT
- LEAST SEVEN DAYS AFTER IT IS PLACED, EXPOSED SURFACES SHALL BE KEPT CONTINUOUSLY MOIST FOR THE ENTIRE PERIOD. IN LIFTLOF WATER CURING, THE CONCRETE SHALL BE PROTECTED BY SPRAYING WITH A [NSF] APPROVED CURING COMPOUND. ALL SURFACES SHALL BE KEPT MOIST UNTIL THE COMPOUND IS APPLIED.
- CONTROL JOINTS SHALL BE PLACED NO GREATER THAN 3X SLAB THICKNESS IN FEET NOR 20 FEET APART IN BOTH DIRECTIONS WITHIN 8 HOURS OF THE CONCRETE PLACEMENT ON ALL CONCRETE SLABS, PROVIDE CONTROL JOINTS IN UNREINFORCED SLABS PER PCA GUIDELINES ALL EXTERIOR SLABS SHALL BE SLOPED TO ALLOW DRAINAGE OF RUNOFF WATER TO PREVENT
- UNLESS NOTED OTHERWISE, ALL EXPOSED EDGES AND CORNERS SHALL BE CHAMFERED 3/4 INCH. INTERIOR FLOORS AND EXTERIOR SIDEWALKS SHALL HAVE TOOLED 3/8 INCH RADIUS
- CONSTRUCTION JOINTS ALL SLABS SHALL HAVE A TOWELED FINISH WITH A FF=35 AND A FL=25 MINIMUM UNO.

CONSTRUCTION NOTES

- CONTRACTOR RESPONSIBLE FOR ALL CLEARING AND GRUBBING
- ALL IRRIGATION PIPE SHALL BE PIP DR 41 100 PSI PIPE AS SHOWN ON PLANS.
- THRUST RESTRAINTS SHALL BE PROVIDED AT ALL PIPELINE BENDS WHETHER OR

FOR BIDDING PURPOSES ONLY NOT FOR CONSTRUCTION 9/18/2024



DISTRICT TULE RIVER IRRIGATION C TULARE COUNTY GENERAL **FIPTON PIPELINE** LOWER '

PROVOST&
PRITCHARD
400E MANI SITEET, SUITE 300
VISALA CALIFORMIA 20210-6337
PRIORE (580) 508-118
PAN (580) 508-118
PAN (580) 508-118
PAN (580) 508-118

DESIGN ENGINEER M. KLINCHUCH LICENSE NO: 83357 DRAFTED BY: CHECKED BY DPJ EBN

DATE: 09/03/2024 JOB NO: ROJECT NO: 1477-24001

PHASE: DES DRIGINAL SCALE SHOWN IS ON INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLAN

SHEET G3

3 OF 12







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SAWCUT LINE DEMO LINE

AC DEMO 220± SQFT

CONSTRUCTION LEGEND

TIPTON PIPELINE

LOWER TULE RIVER IRRIGATION DISTRICT
TULARE COUNTY
CIVIL

EXISTING & DEMO SITE

PROVOST&
PRITCHARD
AGE LANI STREET, SUITE 300
VISALIA CALFORMIA SESSI-6337
PRIORE (590 596-118
FAX (590 586-1178
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DESIGN ENGINEER M. KLINCHUCH LICENSE NO:

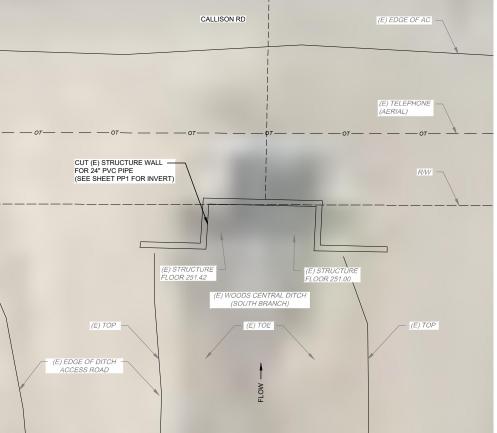
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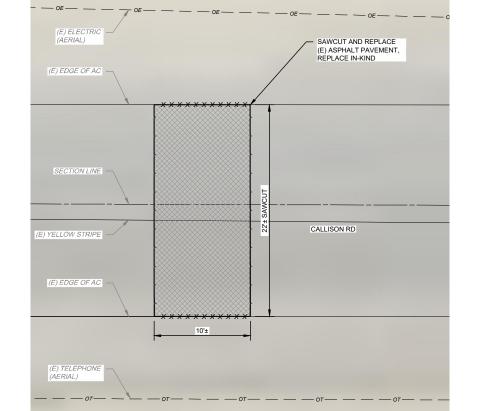
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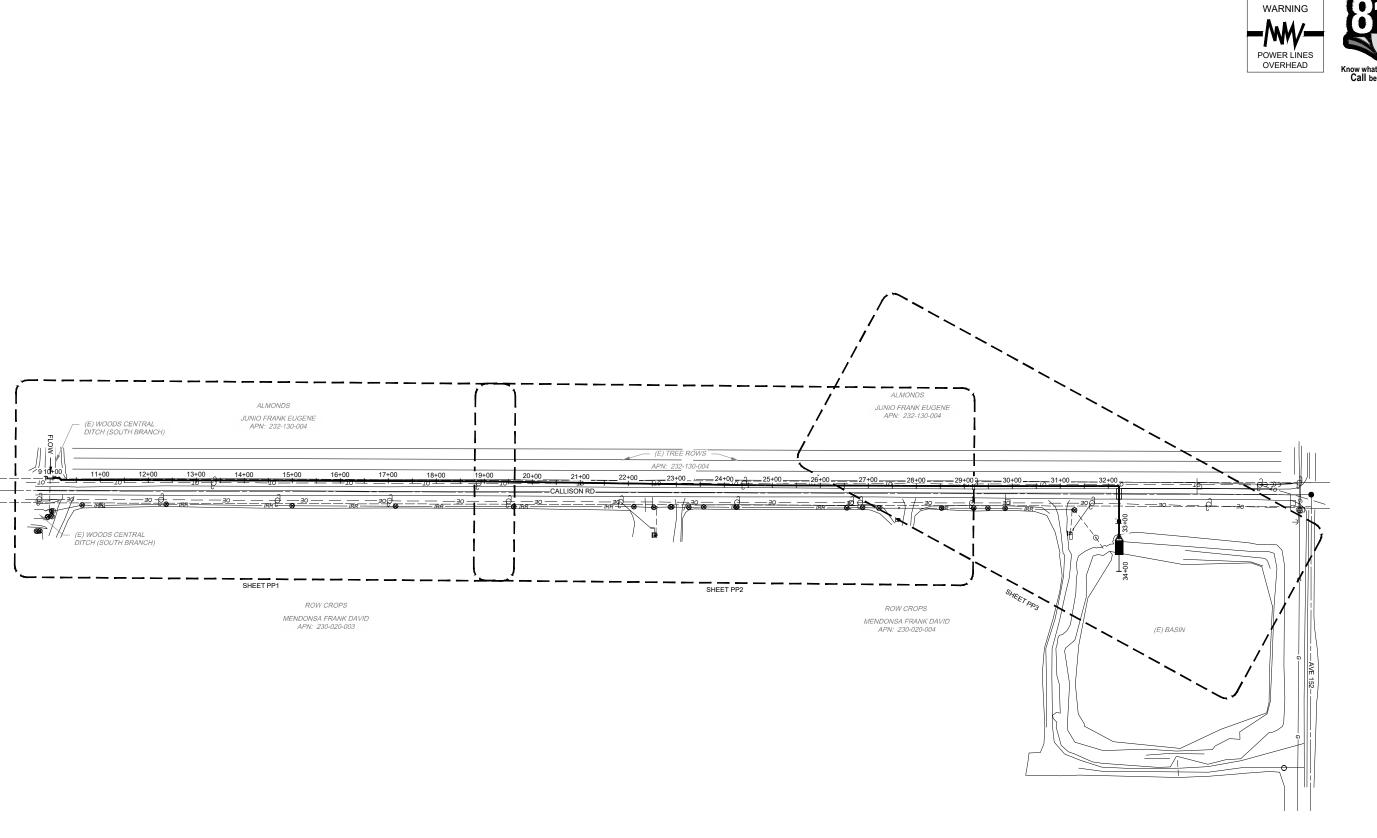
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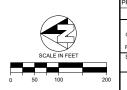
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(2) C1





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COPENY REVENT

LOWER TULE RIVER IRRIGATION DISTRICT
TULARE COUNTY
CIVIL

SITE PLAN

TIPTON PIPELINE

PROVOST&
PRITCHARD
AGO E MAN STREET SUITE 300
VISALA CALFORMIA SEGU-6337
PRIORE (590 569-1167
FAX (650) 568-1177
WWW.PROVERIGHE (200 568-1177
WWW.PROVERIGHE (200 568-1177)

DESIGN ENGINEER: M. KLINCHUCH LICENSE NO: 83357 DRAFTED BY: CHECKED BY: DPJ EBN

DATE: 09/03/2024

JOB NO: PROJECT NO: 1477-24001 PHASE: DES

ORIGINAL SCALE SHOWN IS ON INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS

SHEET C2 5 or 12

