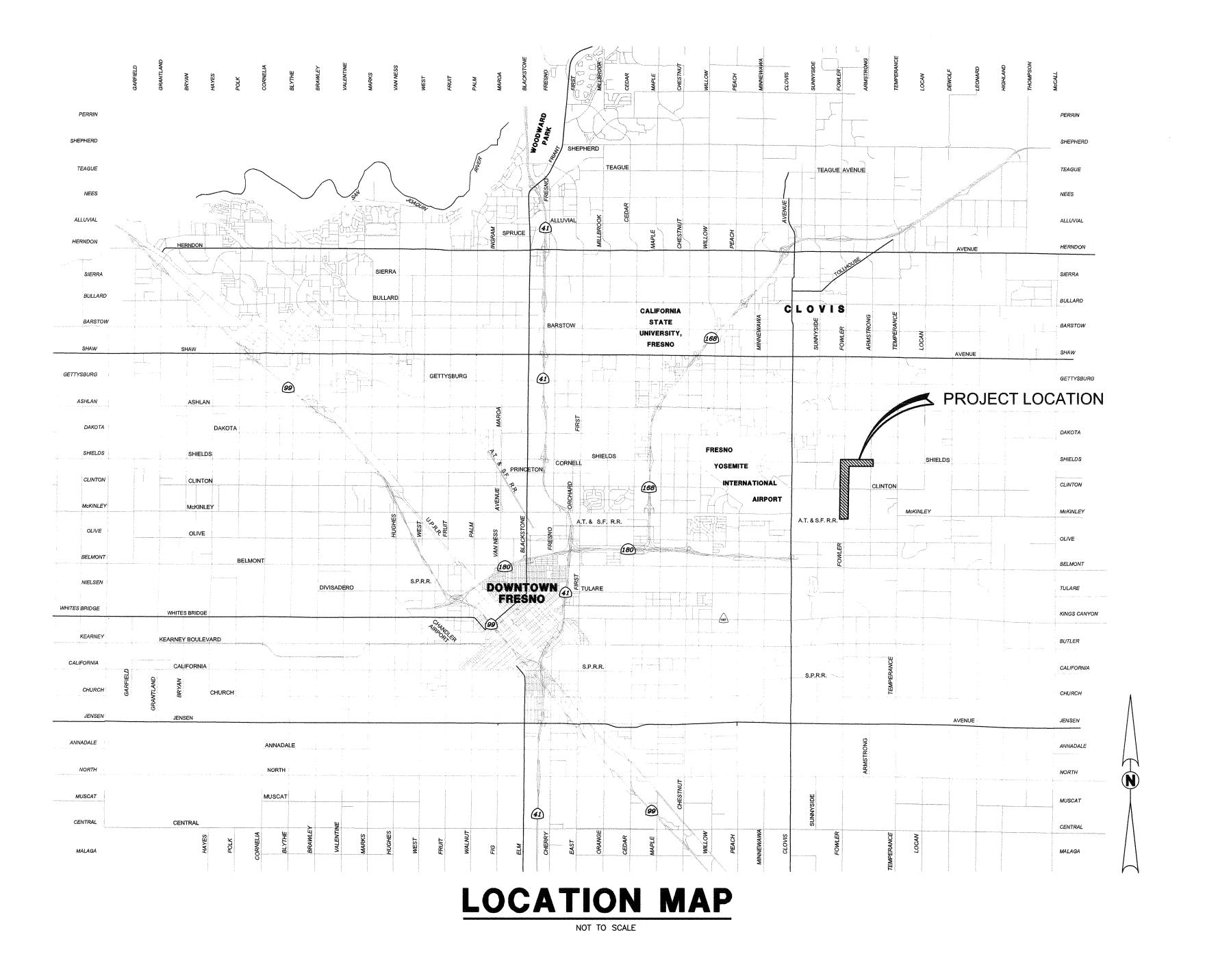
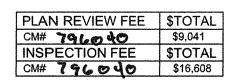
CLOVIS UNIFIED SCHOOL DISTRICT METROPOLITAN AREA NETWORK INSTALLATION OF FIBER OPTIC CONDUITS





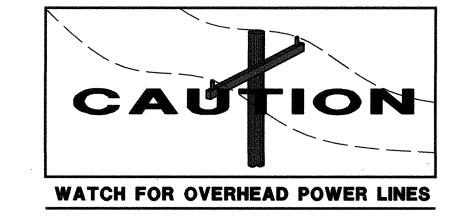
CITY OF FRESNO, T.O.C.

REVIEWED BY:

11-06-2023

SHEET INDEX

SHEET	TITLE	DRAWING NO.
1	COVER SHEET	4- E-3718
2	LEGEND AND NOTES	4-E-3719
3	FIBER OPTIC CONDUIT INSTALLATION	4-E-3720
4	FIBER OPTIC CONDUIT INSTALLATION	4 -E-3721
5	FIBER OPTIC CONDUIT INSTALLATION	4- E-3722
6	FIBER OPTIC CONDUIT INSTALLATION	4-E-3723

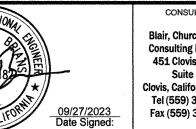


UTILITY NOTE:

UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES







CONSULTANT	FILE NO. 12777
Blair, Church & Flynn Consulting Engineers 451 Clovis Avenue.	PROJ. I.D. FUND NO. ORG NO.
Suite 200 Clovis, California 93612 Tel (559) 326-1400 Fax (559) 326-1500	NO. REF. & REV. DATE 11-1-2023

COVER SHEET

CITY OF FRESNO DEPARTMENT OF PUBLIC WORKS CLOVIS UNIFIED SCHOOL DISTRICT FOWLER AND MCKINLEY ELEMENTARY SCHOOL

DRAWN BY: DG SHEET NO. 1
CHECKED BY: JB OF 6 SHEETS
DATE: 09-27-23
SCALE: AS NOTED 4-E-3718 FIBER OPTIC CONDUIT

GENERAL TOPOGRAPHIC SURVEY LEGEND:

(NOT ALL SYMB	OLS SHOWN APPEAR ON THE PLANS)		BACKFLOW ASSEMBLY	∘ 6" PVC	PVC PIPE; DIAMETER AS SHOWN	o	CHAIN LINK FENCE
AC	ASPHALTIC CONCRETE	∘ BOV	BLOW-OFF VALVE	• RS	ROOF SUPPORT		CHAIN LINK ROLL GATE
ACE	ASPHALTIC CONCRETE EDGE	�	BM=BENCHMARK; OR SBM=SITE BENCHMARK	(0)	STORM DRAIN MANHOLE		EDGE OF ASPHALT PAVEMENT
BOD	BOTTOM OF DITCH	○ <i>B0</i>	BOLLARD	- 8 -	SIGN	0	WOOD FENCE
BR	BARRICADE	• <i>co</i>	CLEANOUT	Ø PPB	SIGNAL LIGHT PUSH BUTTON		DIRECTION OF FLOW
BRK	BRICK	□ COPB	COMMUNICATION PULLBOX	o—*	STREET LIGHT	E	UNDERGROUND ELECTRIC
BW	BARRIER WALL	□ CVA	COMMUNICATION VAULT	>—	SLOPE		GAS LINE; SIZE AS NOTED
CB	CATCH BASIN	<u> </u>	SURVEY CONTROL MONUMENT	□SLPB	STREET LIGHT PULLBOX	ITS	INTELLIGENT TRAFFIC SYSTEM
CE	CONCRETE EDGE			⋄ 4"SLV	PIPE SLEEVE; DIAMETER AS SHOWN		
CON	CONCRETE	ODW . 50	DRYWELL OPOUND	\$	SEWER MANHOLE	OT	OVERHEAD TELEPHONE
CR	CROWN OF ROAD	∘ EG	ELECTRICAL GROUND	Ø SP	SERVICE POLE	———— SD <u>18"</u>	STORM DRAIN LINE; SIZE AS NOTED
CW	CONCRETE WALL	∘ ELC	ELECTRICAL CONDUIT	□SPB	SIGNAL PULLBOX	S <u>12"</u>	SEWER LINE; SIZE AS NOTED
EDR	EDGE OF DIRT ROAD	E	ELECTRICAL METER	*	SPRINKLER	Т	UNDERGROUND TELEPHONE
EGR	EDGE OF GRAVEL ROAD	□ EPB	ELECTRICAL PULLBOX	⊙ 12"STUMP	TREE STUMP; DIAMETER AS SHOWN	8"	WATER LINE: SIZE AS NOTED
EP	EDGE OF PAVEMENT	©	ELECTRICAL VAULT LID	○ MW	SURVEY MONUMENT WELL	yy	·
FF	FINISH FLOOR	Ω FDC	FIRE DEPARTMENT CONNECTION	∘4" <i>TEL</i>	TELEPHONE; DIAMETER AS SHOWN	C	COMMUNICATION LINE
FOTH	FIBER OPTIC TRENCH	Q	FIRE HYDRANT	Ť	TELEPHONE MANHOLE	- Additional	LIMIT OF DIRT
GB	GRADE BREAK	0 <i>FP</i>	FENCE POST	Ç TP	TELEPHONE POLE	spanner Mercial Organica Mercial statement	LIMIT OF TURF
GFL	GUTTER FLOWLINE	∘ <i>FLP</i>	FLAG POLE	□ <i>TPB</i>	TELEPHONE PULLBOX	FO	FIBER OPTIC LINE
LIP	LIP OF GUTTER	∘ GAS	GAS LINE; DIAMETER AS SHOWN	□ <i>TVPB</i>	TELEVISION PULLBOX		DRAIN TUBE
POS	POINT ON SLOPE	□GR	GAS REGULATOR		, ELE , , o, o, , , o ele o, ,	——————————————————————————————————————	IRRIGATION DISTRICT; SIZE AS NOTED
RW	RETAINING WALL	<i>GAV</i>	IRRIGATION GATE VALVE	(6)	TREE; SPREAD SHOWN GRAPHICALLY AND TRUNK DIAMETER AS SHOWN		IRON FENCE
SB	SPEED BUMP	G	GAS METER		THE TEXT OF THE TE	IRR ^{3"}	IRRIGATION MAIN LINE; SIZE AS NOTED
SDFL	STORM DRAIN FLOWLINE	∘ GSR	GAS RISER	□ TSB	TELEPHONE SPLICE BOX	1"	IDDIO ATION LATERAL LINE, OZE AO NOTED
SDGR	STORM DRAIN GRATE	$\bigoplus GV$	GAS VALVE	·Z	TRAFFIC SIGNAL POLE		IRRIGATION LATERAL LINE; SIZE AS NOTED
SSFL	SEWER FLOWLINE	€ ^{GUY}	GUY WIRE	□TSPB	TRAFFIC SIGNAL PULLBOX		OVERHEAD COMMUNICATIONS LINE
SDTH	STORM DRAIN TRENCH	∘ HB	HOSE BIBB	Ø UP	UTILITY POLE	OE	OVERHEAD ELECTRIC LINE
SWL.	SWALE	∘ HR	HANDRAIL	∘ <i>∨</i> N	VOLLEYBALL NET POST		OVERHEAD ELECTRIC AND COMMUNICATION LINE
T	TURF	□ICB	IRRIGATION CONTROLLER	○ WELL	WELL	OET	OVERHEAD ELECTRIC AND TELEPHONE LINE
TBC	TOP BACK OF CURB		IRRIGATION DISTRICT MANHOLE	W	WATER METER	OTS	OVERHEAD TRAFFIC SIGNAL LINE
TBW	TOP BACK OF WALK	/VA	IRRIGATION REMOTE CONTROL VALVE	 WP	WELL PUMP	OTV	OVERHEAD TELEVISION LINE
TFC	TOP FACE OF CURB	/SB ⊠	IRRIGATION SPLICE BOX	∘ 6"WPO	CIRCULAR WOOD POST; DIAMETER AS SHOWN	OU	OVERHEAD UTILITY LINE
TOB	TOP OF BANK	□ IHB	IN-GROUND HOSE BIBB	□ 4"X4"WPO	SQUARE WOOD POST; SIZE AS SHOWN	TS	
TOE	TOE OF SLOPE			∘ 4″W	WATER LINE; DIAMETER AS SHOWN	TV	
TOP	TOP OF SLOPE	<i>\$</i> ∟₽	LIGHT POLE	⊕ wv	WATER VALVE	UNK	
TRDO	TRUNCATED DOMES	⊠ MB	MAIL BOX	Ψ"		XX	WIRE FENCE
TW	TOP OF WALL	MI	MANHOLE		ASPHALT PAVEMENT		PROPERTY LINE
VGFL	VALLEY GUTTER FLOWLINE	□ <i>PB</i>	PULLBOX	crrrrrrrr	CONCRETE BLOCK WALL		
VGR	VALLEY GUTTER	Γ ^{PIV}	POST INDICATOR VALVE	7/7/7/	BUILDING		EASEMENT 1
WCR	WHEELCHAIR RAMP	Ę	UTILITY STUB		CONCRETE		
		ر الله	PARKING METER		CONCRETE		EASEMENT 2
(335.21) 4V	EXISTING ELEVATION	∘ 4"POST	POST; DIAMETER AS SHOWN	00000000000000000000000000000000000000	DETECTABLE WARNINGS	empiricalización de es es establicación de establicación	RIGHT-OF-WAY LINE
AV ⋈	ALFALFA VALVE	∑ PP	POWER POLE		DG OR GRAVEL	microtono è estituo è estato è estato è estimato	RIGHT-OF-WAY CENTER LINE
					DG OR GRAVEL		SETBACK LINE

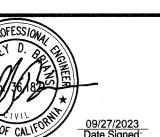
GENERAL NOTES:

- 1. THE WORK EMBRACED HEREIN SHALL BE DONE IN ACCORDANCE WITH THE APPROPRIATE PROVISIONS OF THE SPECIFICATIONS ENTITLED CITY OF FRESNO, STANDARD SPECIFICATIONS, LATEST EDITION, INSOFAR AS THE SAME MAY APPLY, WHICH SPECIFICATIONS HEREINAFTER ARE REFERRED TO AS THE STANDARD SPECIFICATIONS.
- 2. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COPY OF AN OWNER'S WRITTEN AUTHORIZATION AND/OR SIGNED USE AGREEMENT PRIOR TO THE START OF WORK FOR ANY TEMPORARY WORK AREA. STANDING AREA. OR EQUIPMENT STORAGE FACILITIES TO BE USED FOR THIS PROJECT. AT THE COMPLETION OF WORK, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COPY OF A WRITTEN RELEASE LETTER STATING THAT ALL TEMPORARY USES FACILITIES HAVE BEEN RESTORED BACK TO THE OWNER'S SATISFACTION.
- 3. IN THE EVENT OVERHEAD ELECTRICAL LINES EXIST WITHIN THE LIMITS OF CONSTRUCTION, MAINTAIN PROPER CLEARANCE. CONTACT PG&E TO VERIFY WIRE
- 4. ALL NEW AND EXISTING FIBER OPTIC CABLES SHALL BE PROTECTED DURING CONSTRUCTION. DAMAGED FIBER OPTICS DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY OF
- 5. INTELLIGENT TRANSPORTATION SYSTEM SHALL REMAIN OPERATIONAL AND BE RESTORED IN KIND UNLESS OTHERWISE NOTED.
- 6. FIBER OPTIC CABLE IDENTIFICATION LABELS SHALL BE RESTORED OR REPLACED IF LABELS ARE DAMAGED OR REMOVED DURING CONSTRUCTION.
- 7. BORE PITS AND RECEIVING PITS SHALL BE PLACED BEHIND THE CURB AND IN THE SIDEWALK AREA UNLESS THERE IS WRITTEN APPROVAL FROM THE CITY ENGINEER.
- 8. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, SIZE, DEPTH, AND TYPE OF ALL EXISTING UTILITIES AND INTERFERENCES SITUATED ALONG THE ROUTE OF THE PROPOSED CONSTRUCTION PRIOR TO COMMENCEMENT OF EXCAVATION, FABRICATION, AND INSTALLATION. THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS IN SUCH A MANNER AS WILL PROTECT ALL EXISTING UNDERGROUND UTILITIES AND, IN THE EVENT OF ANY CONFLICTS, SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING.
- 9. SAWCUT EXISTING CONCRETE IMPROVEMENTS AS NECESSARY TO INSTALL NEW ITS CONDUIT IMPROVEMENTS. CONSTRUCT NEW CONCRETE IMPROVEMENTS TO MATCH ADJACENT CONCRETE IMPROVEMENTS.
- 10. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS ARE GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, FIXTURES, EQUIPMENT, SUPPORTS, ETC., SHALL BE CAREFULLY PLANNED PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
- 11. ALL CHANGES IN PIPE DIRECTION NOT ACCOMPLISHED BY FITTING SHALL BE ACHIEVED BY DEFLECTION OF EACH PIPE JOINT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND CITY OF FRESNO STANDARDS.
- 12. ANY INSPECTION TO BE MADE BY THE CITY OF FRESNO SHALL REQUIRE A 7 DAY NOTICE SCHEDULED THROUGH CONSTRUCTION MANAGEMENT (559) 621-5600.
- 13. BACKFILL ALL ITS CONDUIT TRENCHES WITH SLURRY PER CITY OF FRESNO STANDARD DETAILS ITS-4 AND ITS-5, SEE SHEET 5.
- 14. CONTACT AND COORDINATE WITH ALL UTILITY AGENCIES PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION.
- 15. ANY EXISTING UTILITIES AND/OR IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND AGENCY HAVING AUTHORITY, AT THE CONTRACTOR'S SOLE EXPENSE.
- 16. NO TRENCH OR EXCAVATION IN A TRAVELED AREA SHALL BE LEFT OPEN OVERNIGHT OR UNATTENDED UNLESS PROTECTED. TRENCHES OR EXCAVATIONS IN NON-TRAVELED AREAS MUST BE FENCED, FILLED OR COVERED WHEN UNATTENDED.
- 17. ANY PAVED SURFACES SHALL BE REPAIRED OR REPLACED WITHIN A MINIMUM OF ONE WEEK OF SAID DISRUPTION OR THE TIME FRAME SPECIFIED BY THE GOVERNING AGENCY, WHICHEVER IS LESS.
- 18. MISCELLANEOUS STRUCTURES AND OBSTRUCTIONS SUCH AS SIGN POSTS, FENCES, MAIL BOXES, ETC. SHALL BE AVOIDED OR REMOVED AND REINSTALLED TO ORIGINAL
- 19. THE CONTRACTOR SHALL NOTIFY THE AGENCY TRAFFIC ENGINEERING DEPARTMENTS, FIRE DEPARTMENT, POLICE DEPARTMENT, EMERGENCY SERVICES. THE SCHOOL BUS GARAGE, AND METRO TRANSIT BY PHONE OR IN WRITING BEFORE THEY BEGIN THEIR OPERATIONS SO THAT THESE AGENCIES MAY REROUTE THEIR EMERGENCY AND SERVICE VEHICLES AROUND THE CONSTRUCTION ZONE.
- 20. CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH CALIFORNIA MUTCD FOR ANY LANE, SHOULDER, OR SIDEWALK CLOSURES REQUIRED FOR CONSTRUCTION. CONTRACTOR SHALL APPLY FOR AND OBTAIN APPROVAL OF THE TRAFFIC CONTROL PLAN FROM THE DEPARTMENT OF PUBLIC WORKS, TRAFFIC ENGINEERING PRIOR TO CONSTRUCTION.
- 21. CONTRACTOR SHALL OBTAIN THE REQUIRED PERMITS, FURNISH AND INSTALL ALL THE TEMPORARY SHORING, UNDERPINNING AND BRACING REQUIRED TO SAFELY EXECUTE THE WORK AND PROTECT PUBLIC PROPERTY AND EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL PROVIDE AND INSTALL APPROPRIATE SIGNS AND ADEQUATE WARNING DEVICES TO ADVISE THE PUBLIC OF CONSTRUCTION HAZARDS AND SHALL REMOVE ALL SUCH SIGNS AND DEVICES UPON COMPLETION OF
- 22. PRIOR TO ANY EXCAVATION AND/OR BORING, CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS TO VERIFY SIZE, DEPTH AND TYPE OF PIPE. MAINTAIN MINIMUM CLEARANCES WITH EXISTING UTILITIES PER APPLICABLE CITY OF FRESNO STANDARD DRAWINGS ITS-6, ITS-7, ITS-8, ITS-9 AND ITS-10.
- 23. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES WHETHER OR NOT THEY ARE SHOWN ON THESE PLANS AND SHALL PROVIDE PROTECTION PRIOR TO, DURING AND AFTER TRENCHING, JACKING AND/OR BORING. CONTACT UNDERGROUND SERVICE ALERT (USA), TOLL FREE NUMBER 811, TWO WORKING DAYS BEFORE EXCAVATING.

UTILITY NOTE:

UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AT THE SITE.







CITY OF FRESNO REF, & REV.

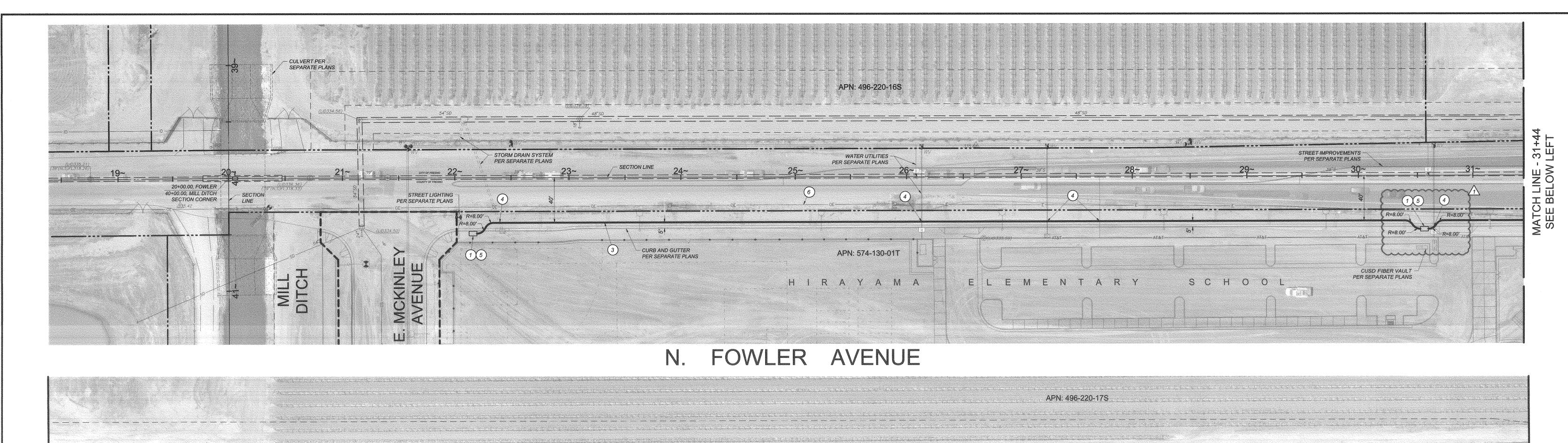
CLOVIS UNIFIED SCHOOL DISTRICT FOWLER AND MCKINLEY ELEMENTARY SCHOOL

FIBER OPTIC CONDUIT

LEGEND AND NOTES

OFFICE ENG. ST CITY, ENG. DRAWN BY: DG SHEET NO. 2
CHECKED BY: JB OF 6 SHEETS DATE: 09-27-23 4-E-3719 SCALE: AS NOTED

DEPARTMENT OF PUBLIC WORKS





LEGEND:

- 4'X7' VAULT PER CITY OF FRESNO STANDARD DRAWING ITS-13. FIBER OPTIC CONDUIT PER CITY OF FRESNO STANDARD DRAWING
- ITS-5, OPTIONAL TRENCH OR DIRECTIONAL BORING INSTALLATION. TRENCHING IN EXISTING PAVEMENT REQUIRES APPROVAL FROM EXISTING SEWER MAIN, SIZE AS NOTED ON PLANS. DASHED LINES REPRESENT OUTSIDE DIAMETER.
- EXISTING STORM DRAIN MAIN, SIZE AS NOTED ON PLANS. DASHED _____ __ LINES REPRESENT OUTSIDE DIAMETER.
- 4'X7' VAULT PER CITY OF FRESNO STANDARD DETAILS ITS-13 AND ITS-14. CITY OF FRESNO TO PROVIDE VAULT NUMBERS.
- (6) 1-1/2" CONDUIT IN EXISTING VAULT PER CITY OF FRESNO DETAILS ITS-13 AND ITS-14. PROTECT EXISTING EQUIPMENT TO
- (6) 1-1/2" CONDUIT PER CITY OF FRESNO STANDARD DETAIL ITS-05 AND CITY OF FRESNO STANDARD SPECIFICATIONS.
- PROTECT EXISTING IMPROVEMENTS TO REMAIN. SEE NOTE 15 OF GENERAL NOTES ON SHEET 2. CONDUIT INSTALLATION NEAR EXISTING UTILITIES SIMILAR TO
- CITY OF FRESNO STANDARD DETAILS ITS-6 AND ITS-7. OVERHEAD ELECTRIC LINE TO BE RELOCATED BY OTHERS.
- 4'X7' VAULT PER CITY OF FRESNO STANDARD DETAIL ITS-03.
- REMOVE EXISTING PULLBOX PER CITY OF FRESNO STANDARD DETAIL ITS-03. INTERCEPT EXISTING PIPE AND INSTALL IN NEW 4'X7' VAULT PER CITY OF FRESNO ITS STANDARDS.

NOTES:

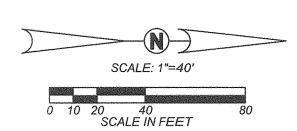
1. FIBER OPTIC FACILITIES SHOWN ON THESE PLANS ARE TO BE CONSTRUCTED

PER THE CITY OF FRESNO STANDARDS FOR ITS FACILITIES.

- THE CITY OF FRESNO AND CLOVIS UNIFIED SCHOOL DISTRICT HAVE AN EXISTING AGREEMENT UTILIZING EXISTING ITS FACILITIES, AND THESE NEW FACILITIES SHALL BE ADDED TO THE AGREEMENT WITH THE SAME CONDITIONS.
- 3. A MINIMUM 1' SEPARATION IS REQUIRED WHEN CROSSING ANY STRUCTURE OF OTHER UTILITY, SEE CITY OF FRESNO STANDARD SPECIFICATIONS.

N. FOWLER AVENUE

BORE LOG							
STREET: TO:							
DATE: JOB #: LOCATION: LOCATION:							
LOCATION:			LOCATION:				
START STATION:				END STATION:			
STATION	DEPTH	F/O/C	B/O/C	COMMENTS			
	DN:	COMPANY: CUSTOMER:	TO: JOB #: COMPANY: CUSTOMER:	TO: JOB #: COMPANY: CUSTOMER:			







		ormeron-on-
erentes s	CONSULTANT	FILE
	Blair. Church & Flynn	PRO
	Consulting Engineers	FUN
	451 Clovis Avenue,	ORG
	Suite 200	
	Clovis, California 93612	NO
	Tel (559) 326-1400	1
. '	Fax (559) 326-1500	

REF. & REV. DATE

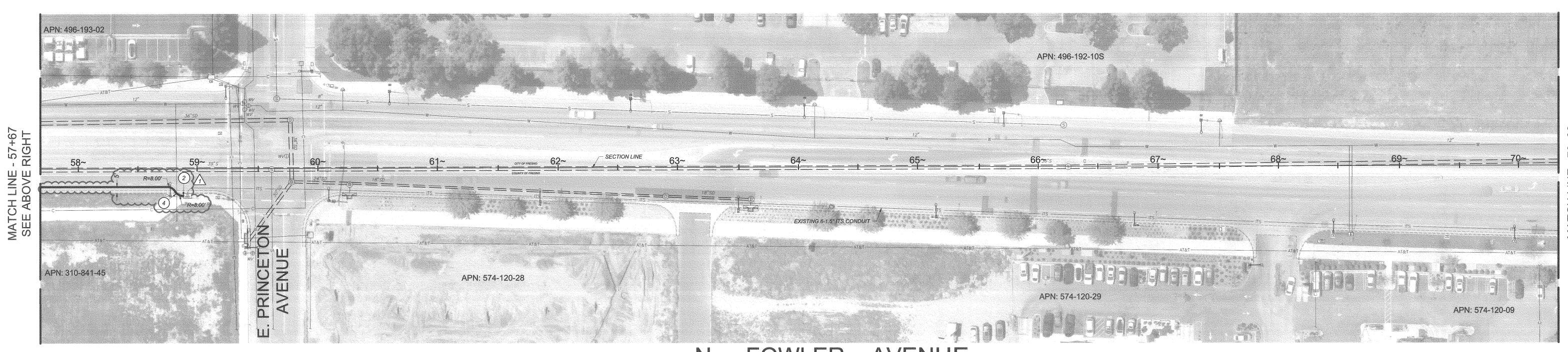
CITY OF FRESNO DEPARTMENT OF PUBLIC WORKS **CLOVIS UNIFIED SCHOOL DISTRICT** OFFICE ENG. ST. CITY, ENG. FOWLER AND MCKINLEY ELEMENTARY SCHOOL FIBER OPTIC CONDUIT

FIBER OPTIC CONDUIT INSTALLATION

CHECKED BY: JB OF 6 SHEETS

09-27-23 AS NOTED

4-E-3720



FOWLER AVENUE

LEGEND:

4'X7' VAULT PER CITY OF FRESNO STANDARD DRAWING ITS-13. FIBER OPTIC CONDUIT PER CITY OF FRESNO STANDARD DRAWING ITS-5, OPTIONAL TRENCH OR DIRECTIONAL BORING INSTALLATION.

TRENCHING IN EXISTING PAVEMENT REQUIRES APPROVAL FROM

- EXISTING SEWER MAIN, SIZE AS NOTED ON PLANS. DASHED LINES __ _ _ REPRESENT OUTSIDE DIAMETER.
- EXISTING STORM DRAIN MAIN, SIZE AS NOTED ON PLANS. DASHED ____ LINES REPRESENT OUTSIDE DIAMETER.
- 4'X7' VAULT PER CITY OF FRESNO STANDARD DETAILS ITS-13 AND ITS-14. CITY OF FRESNO TO PROVIDE VAULT NUMBERS.
- (6) 1-1/2" CONDUIT IN EXISTING VAULT PER CITY OF FRESNO DETAILS ITS-13 AND ITS-14. PROTECT EXISTING EQUIPMENT TO REMAIN.
- (6) 1-1/2" CONDUIT PER CITY OF FRESNO STANDARD DETAIL ITS-05 AND CITY OF FRESNO STANDARD SPECIFICATIONS.
- PROTECT EXISTING IMPROVEMENTS TO REMAIN. SEE NOTE 15 OF GENERAL NOTES ON SHEET 2.
- CONDUIT INSTALLATION NEAR EXISTING UTILITIES SIMILAR TO CITY OF FRESNO STANDARD DETAILS ITS-6 AND ITS-7.
- OVERHEAD ELECTRIC LINE TO BE RELOCATED BY OTHERS.
- REMOVE EXISTING PULLBOX PER CITY OF FRESNO STANDARD DETAIL ITS-03. INTERCEPT EXISTING PIPE AND INSTALL IN NEW 4'X7' VAULT PER CITY OF FRESNO ITS STANDARDS.

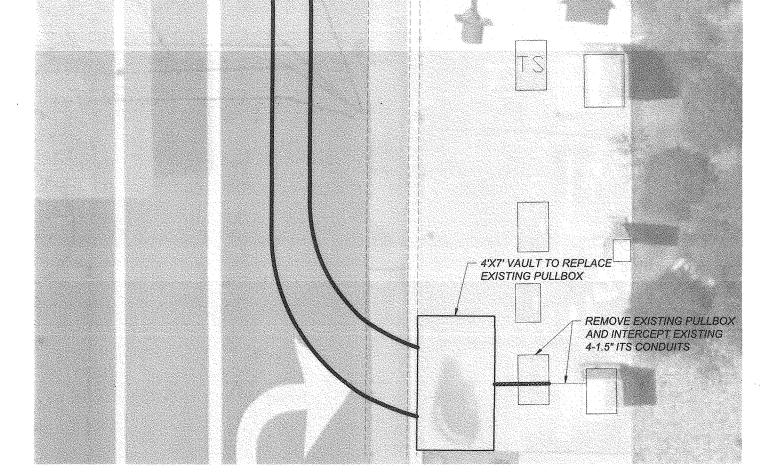
4'X7' VAULT PER CITY OF FRESNO STANDARD DETAIL ITS-03.

NOTES:

- 1. FIBER OPTIC FACILITIES SHOWN ON THESE PLANS ARE TO BE CONSTRUCTED PER THE CITY OF FRESNO STANDARDS FOR ITS FACILITIES.
- THE CITY OF FRESNO AND CLOVIS UNIFIED SCHOOL DISTRICT HAVE AN EXISTING AGREEMENT UTILIZING EXISTING ITS FACILITIES, AND THESE NEW FACILITIES SHALL BE ADDED TO THE AGREEMENT WITH THE SAME CONDITIONS.
- 3. A MINIMUM 1' SEPARATION IS REQUIRED WHEN CROSSING ANY STRUCTURE OF OTHER UTILITY, SEE CITY OF FRESNO STANDARD SPECIFICATIONS.

		В	ORE LOG		
STREET: TO:					
DATE:			JOB#:		
LOCATION:		COMPANY:	Page of the Charles and Charle	OCCUPATION OF THE PROPERTY OF	LOCATION:
START STATION:	erickamingsgreen skrietsonsk staden et stade om en en en skriet ander en begen met a verspron et som en skriet Til skriet s	CUSTOMER:		END STATION:	
VAULT ID	STATION	DEPTH	F/O/C	B/O/C	COMMENTS
	vysnyka khilinik ammino yriindahilist usa mako tarkiini mod socialyini kiininda kirpida evinyak iribuminiyi da kiinist kiribus kiribus				
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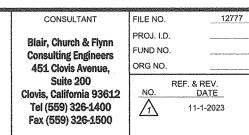




REMOVAL AND INTERCEPTION OF EXISITING PULLBOX





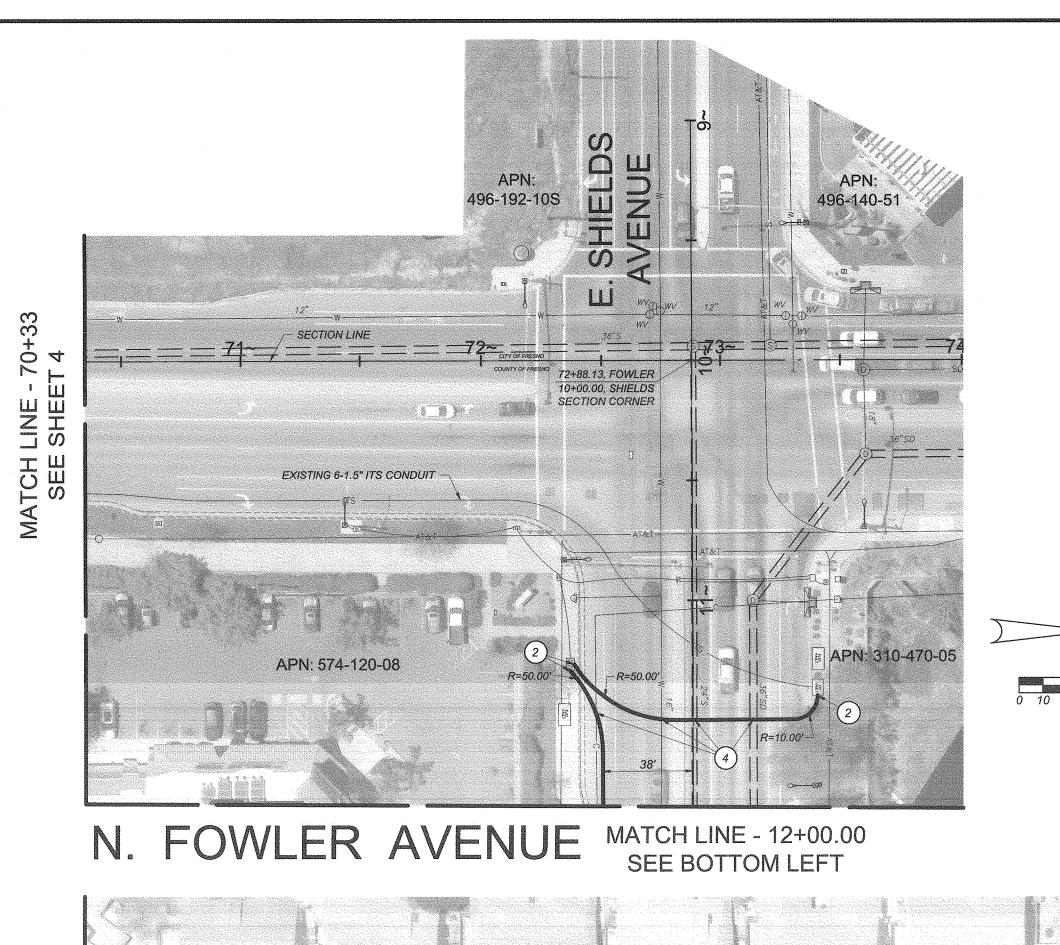


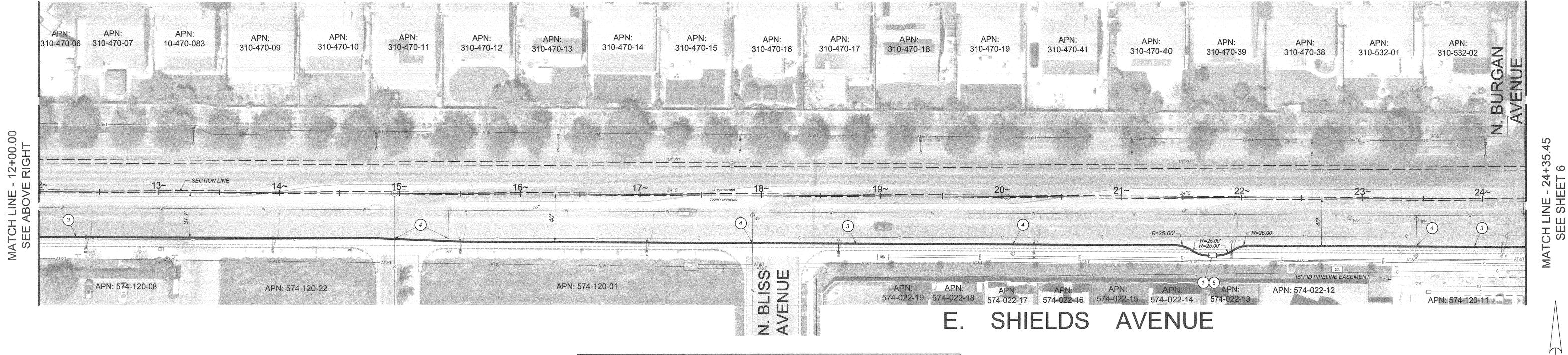
CITY OF FRESNO DEPARTMENT OF PUBLIC WORKS **CLOVIS UNIFIED SCHOOL DISTRICT** FOWLER AND MCKINLEY ELEMENTARY SCHOOL FIBER OPTIC CONDUIT

FIBER OPTIC CONDUIT INSTALLATION

DRAWN BY: DG SHEET NO.
CHECKED BY: JB OF 6 SHEETS 4-E-3721 09-27-23 AS NOTED

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





LEGEND:

4'X7' VAULT PER CITY OF FRESNO STANDARD DRAWING ITS-13. FIBER OPTIC CONDUIT PER CITY OF FRESNO STANDARD DRAWING ITS-5, OPTIONAL TRENCH OR DIRECTIONAL BORING INSTALLATION. TRENCHING IN EXISTING PAVEMENT REQUIRES APPROVAL FROM

EXISTING SEWER MAIN, SIZE AS NOTED ON PLANS. DASHED LINES REPRESENT OUTSIDE DIAMETER.

EXISTING STORM DRAIN MAIN, SIZE AS NOTED ON PLANS. DASHED EXISTING STORM DRAIN MAIN, SIZE AS N LINES REPRESENT OUTSIDE DIAMETER.

4'X7' VAULT PER CITY OF FRESNO STANDARD DETAILS ITS-13 AND ITS-14. CITY OF FRESNO TO PROVIDE VAULT NUMBERS.

(6) 1-1/2" CONDUIT IN EXISTING VAULT PER CITY OF FRESNO DETAILS ITS-13 AND ITS-14. PROTECT EXISTING EQUIPMENT TO

(6) 1-1/2" CONDUIT PER CITY OF FRESNO STANDARD DETAIL ITS-05

AND CITY OF FRESNO STANDARD SPECIFICATIONS. PROTECT EXISTING IMPROVEMENTS TO REMAIN. SEE NOTE 15 OF GENERAL NOTES ON SHEET 2.

CONDUIT INSTALLATION NEAR EXISTING UTILITIES SIMILAR TO CITY OF FRESNO STANDARD DETAILS ITS-6 AND ITS-7.

OVERHEAD ELECTRIC LINE TO BE RELOCATED BY OTHERS.

4'X7' VAULT PER CITY OF FRESNO STANDARD DETAIL ITS-03.

REMOVE EXISTING PULLBOX PER CITY OF FRESNO STANDARD DETAIL ITS-03. INTERCEPT EXISTING PIPE AND INSTALL IN NEW 4'X7' VAULT PER CITY OF FRESNO ITS STANDARDS.

NOTES:

- FIBER OPTIC FACILITIES SHOWN ON THESE PLANS ARE TO BE CONSTRUCTED PER THE CITY OF FRESNO STANDARDS FOR ITS FACILITIES.
- THE CITY OF FRESNO AND CLOVIS UNIFIED SCHOOL DISTRICT HAVE AN EXISTING AGREEMENT UTILIZING EXISTING ITS FACILITIES, AND THESE NEW FACILITIES SHALL BE ADDED TO THE AGREEMENT WITH THE SAME CONDITIONS.
- 3. A MINIMUM 1' SEPARATION IS REQUIRED WHEN CROSSING ANY STRUCTURE OF OTHER UTILITY, SEE CITY OF FRESNO STANDARD SPECIFICATIONS.

STREET:		то:			
DATE:		JOB #: LOCATION:			
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VAULT ID	STATION	DEPTH	F/O/C	B/O/C	COMMENTS
1					
	outers in the last section of the last section				

BORE LOG

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



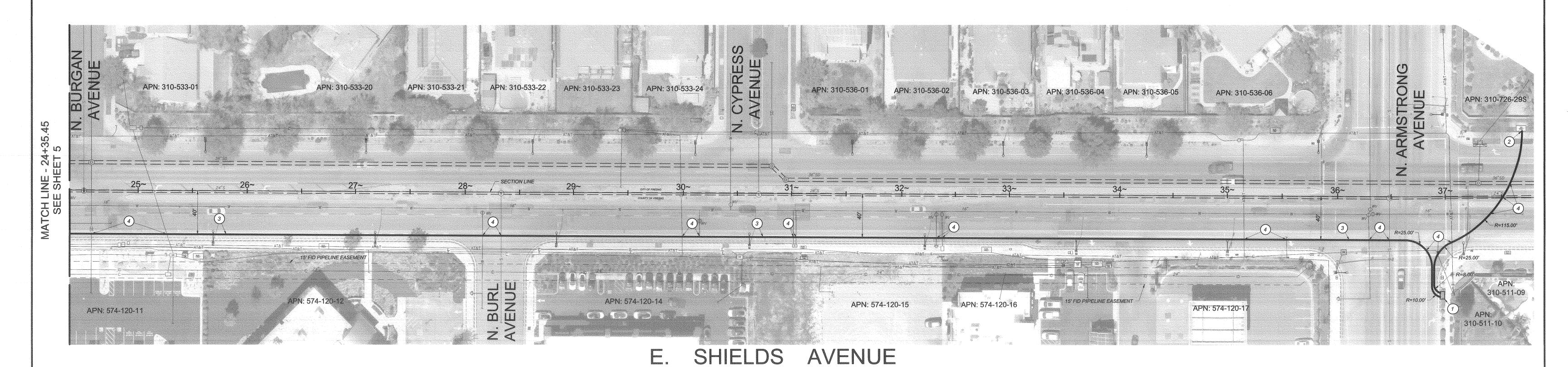
	CONSULTANT
	Blair, Church & Flynn
	Consulting Engineers
	451 Clovis Avenue,
	Suite 200
	Clovis, California 93612
	Tel (559) 326-1400
/2023	Fax (559) 326-1500

PROJ. I.D. REF. & REV. 11-1-2023

CITY OF FRESNO **CLOVIS UNIFIED SCHOOL DISTRICT** FOWLER AND MCKINLEY ELEMENTARY SCHOOL FIBER OPTIC CONDUIT

DEPARTMENT OF PUBLIC WORKS CITY, ENG. DRAWN BY: DG SHEET NO.
CHECKED BY: JB OF 6 SHEETS FIBER OPTIC CONDUIT INSTALLATION 4-E-3722 09-27-23 AS NOTED

SCALE: (N) 1"=40'



LEGEND:

4'X7' VAULT PER CITY OF FRESNO STANDARD DRAWING ITS-13.

FIBER OPTIC CONDUIT PER CITY OF FRESNO STANDARD DRAWING ITS-5, OPTIONAL TRENCH OR DIRECTIONAL BORING INSTALLATION.

______6"S _____ EXISTING SEWER MAIN, SIZE AS NOTED ON PLANS. DASHED LINES REPRESENT OUTSIDE DIAMETER.

EXISTING STORM DRAIN MAIN, SIZE AS NOTED ON PLANS. DASHED LINES REPRESENT OUTSIDE DIAMETER.

4'X7' VAULT PER CITY OF FRESNO STANDARD DETAILS ITS-13 AND

ITS-14. CITY OF FRESNO TO PROVIDE VAULT NUMBERS.

(6) 1-1/2" CONDUIT IN EXISTING VAULT PER CITY OF FRESNO
DETAILS ITS-13 AND ITS-14. PROTECT EXISTING EQUIPMENT TO

(6) 1-1/2" CONDUIT PER CITY OF FRESNO STANDARD DETAIL ITS-05
AND CITY OF FRESNO STANDARD SPECIFICATIONS.

PROTECT EXISTING IMPROVEMENTS TO REMAIN. SEE NOTE 15 OF GENERAL NOTES ON SHEET 2.

5 CONDUIT INSTALLATION NEAR EXISTING UTILITIES SIMILAR TO CITY OF FRESNO STANDARD DETAILS ITS-6 AND ITS-7.

(6) OVERHEAD ELECTRIC LINE TO BE RELOCATED BY OTHERS.

7) 4'X7' VAULT PER CITY OF FRESNO STANDARD DETAIL ITS-03.

REMOVE EXISTING PULLBOX PER CITY OF FRESNO STANDARD
DETAIL ITS-03. INTERCEPT EXISTING PIPE AND INSTALL IN NEW

4'X7' VAULT PER CITY OF FRESNO ITS STANDARDS.

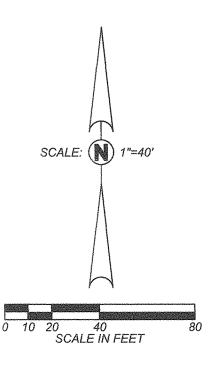
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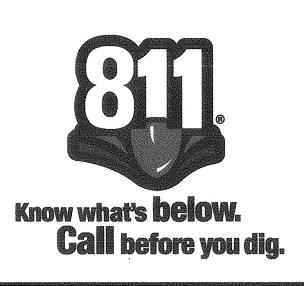
1. FIBER OPTIC FACILITIES SHOWN ON THESE PLANS ARE TO BE CONSTRUCTED PER THE CITY OF FRESNO STANDARDS FOR ITS FACILITIES.

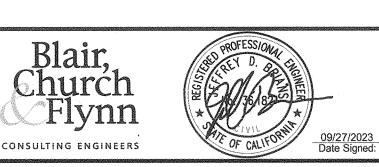
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3. A MINIMUM 1' SEPARATION IS REQUIRED WHEN CROSSING ANY STRUCTURE OF OTHER UTILITY, SEE CITY OF FRESNO STANDARD SPECIFICATIONS.

BORE LOG							
TREET: TO:							
OATE: JOB #:							
	COMPANY:			LOCATION:			
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		COMPANY: CUSTOMER:	TO: JOB #: COMPANY: CUSTOMER:	TO: JOB #: COMPANY: CUSTOMER:			







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FILE NO. 12777
PROJ. I.D.
FUND NO.
ORG NO.

REF. & REV.
NO. DATE

11-1-2023

CITY OF FRESNO DEPARTMENT OF PUBLIC WORKS

CLOVIS UNIFIED SCHOOL DISTRICT
FOWLER AND MCKINLEY ELEMENTARY SCHOOL
FIBER OPTIC CONDUIT
FIBER OPTIC CONDUIT INSTALLATION

DEPARTMENT OF PUBLIC WORKS

OFFICE ENG.

OFFICE