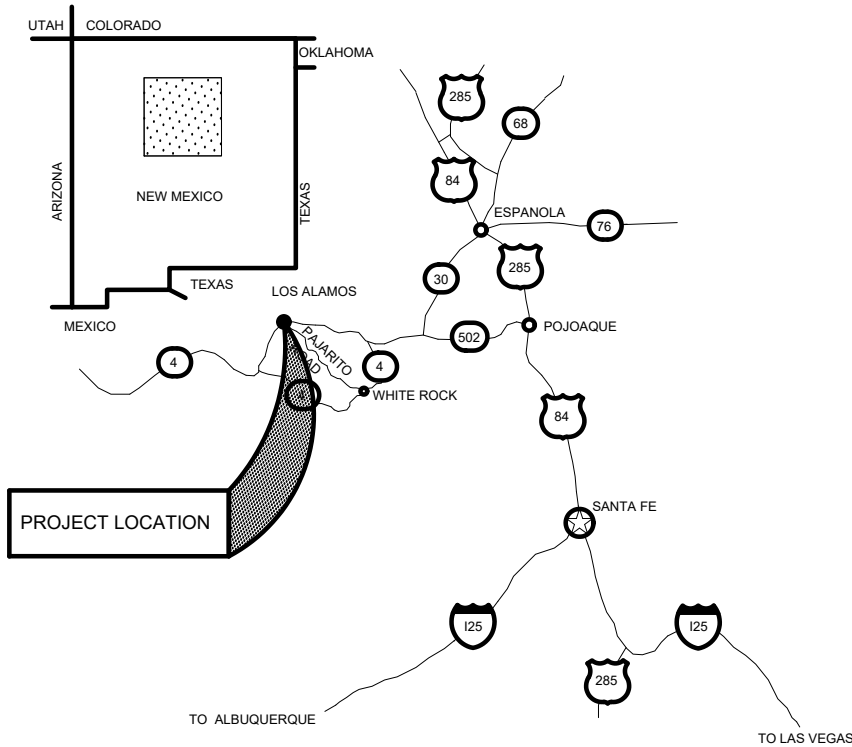


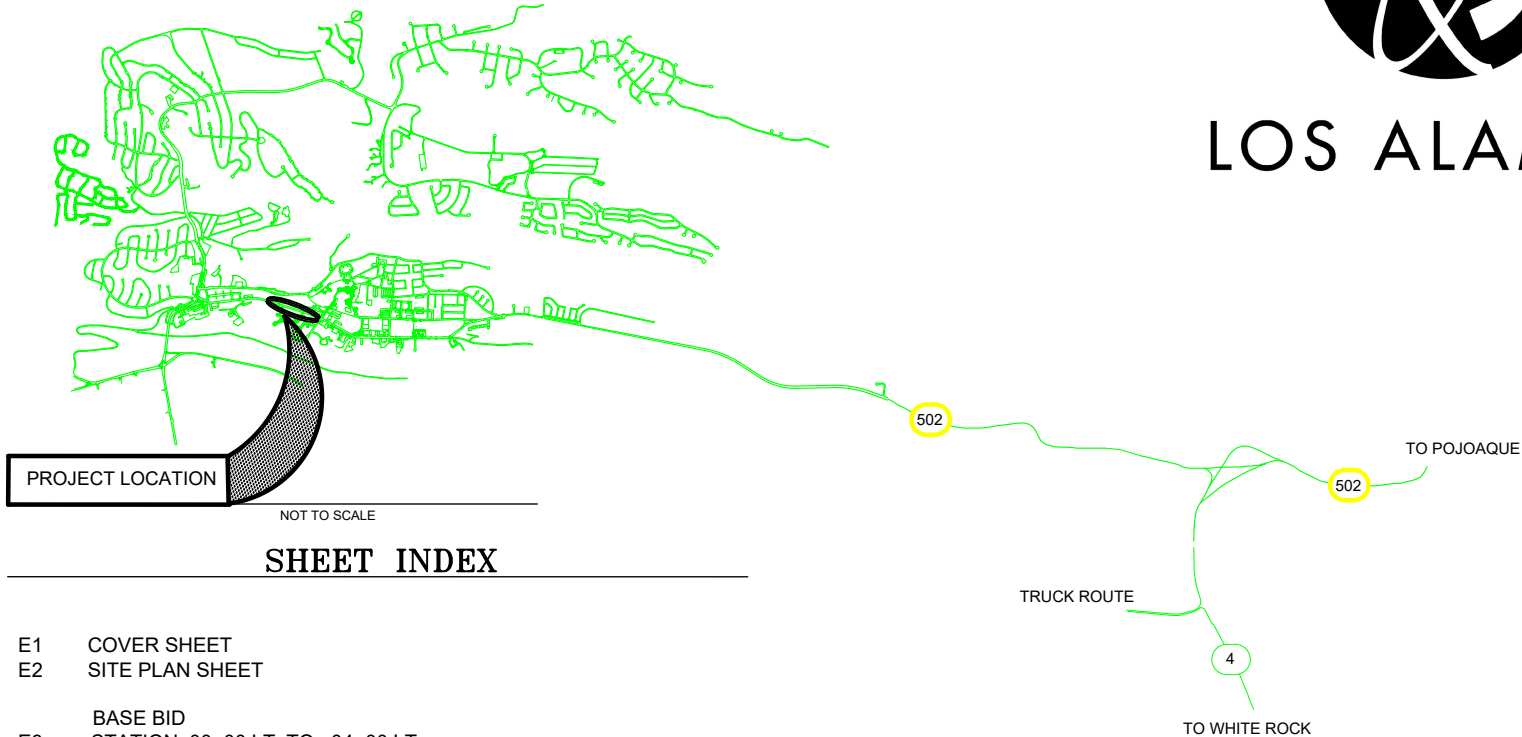
DEPARTMENT OF PUBLIC UTILITIES
TRINITY DRIVE ELECTRIC REPLACEMENT PROJECT
IFB-25-45
LOS ALAMOS COUNTY - NEW MEXICO



LOS ALAMOS



NEW MEXICO REGIONAL MAP
NOT TO SCALE



- E1 COVER SHEET
E2 SITE PLAN SHEET
- BASE BID
E3 STATION 00+00 LT TO 04+00 LT
E4 STATION 04+00 LT TO 09+00 LT
E5 STATION 06+00 LT TO 12+00 LT
E6 STATION 12+00 LT TO 15+00 LT

- ADDITIVE ALTERNATE BID
E7 STATION 03+00 RT TO 04+60 RT
E8 STATION 06+42 RT TO 10+20 RT
E9 STATION 10+35 RT TO 14+50 RT

- DETAIL SHEETS
E10 444 AND 644 FLUSH MOUNT BOXES
E11 VAULT INSTALL, SLEEVE INSTALL, TRANSFORMER LAYOUT
E12 TYPICAL CONDUIT INTO EQUIPMENT AND VAULTS
E13 TRENCH DETAILS A,B,D,E
E14 TRENCH DETAILS F,C,G
E15 TYPICAL CONDUIT INSTALLS
E16 GENERAL NOTES

BOARD OF PUBLIC UTILITIES:

ROBERT GIBSON - CHAIR
ERIC STROMBERG - VICE CHAIR
MATT HEAVNER
CHARLES NAKHLEH
JENNIFER HOLLINGSWORTH

EX-OFFICIO MEMBERS

PHILO SHELTON
ANNE LAURENT

COUNCIL LIAISON
SUZIE HAVEMANN

APPROVED BY: _____ DATE _____
DEPARTMENT OF PUBLIC UTILITIES MANAGER

DEPARTMENT OF PUBLIC UTILITIES ENGINEERING

REVISION DESCRIPTION	
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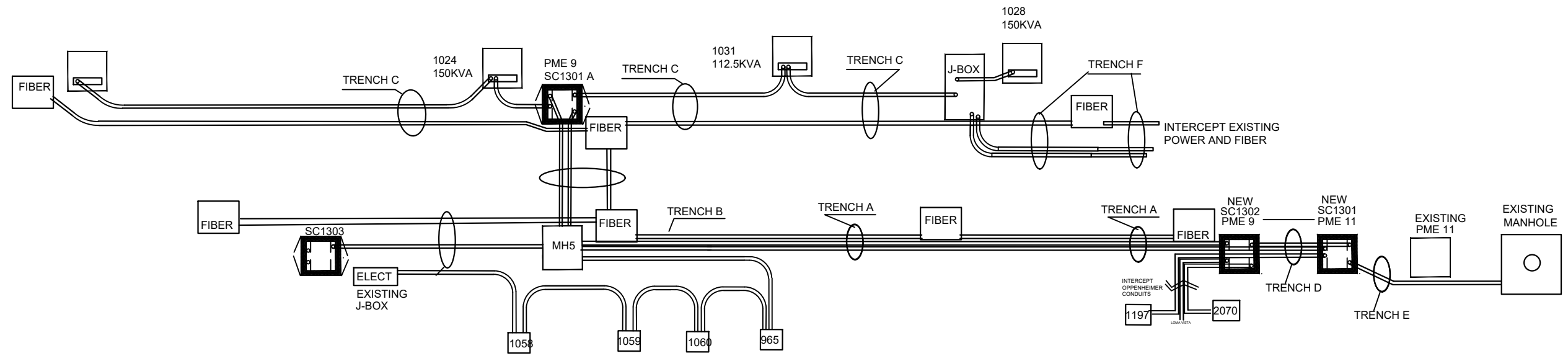
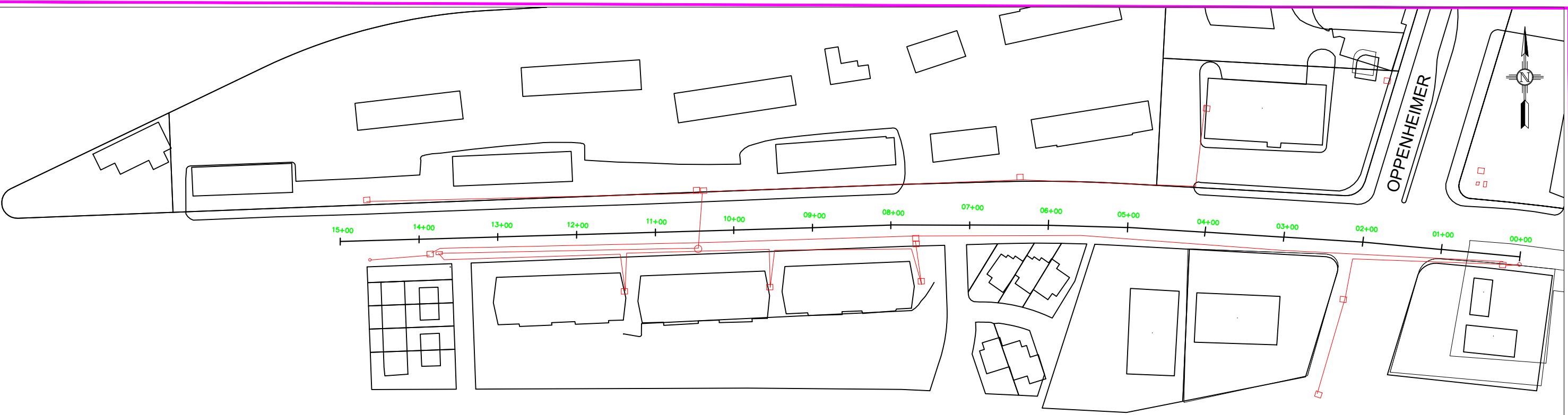
DESIGNED BY: S.MAREZ	
DRAWN BY: S.MAREZ	
APPROVED BY: S.MAREZ	
DATE: 04/2025	
SCALE: 1"= 100'	

TRINITY DRIVE ELECTRIC PRIMARY REPLACEMENT PROJECT	COVER SHEET
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INCORPORATED COUNTY
OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544

SHEET
E-1



REVISION DESCRIPTION	
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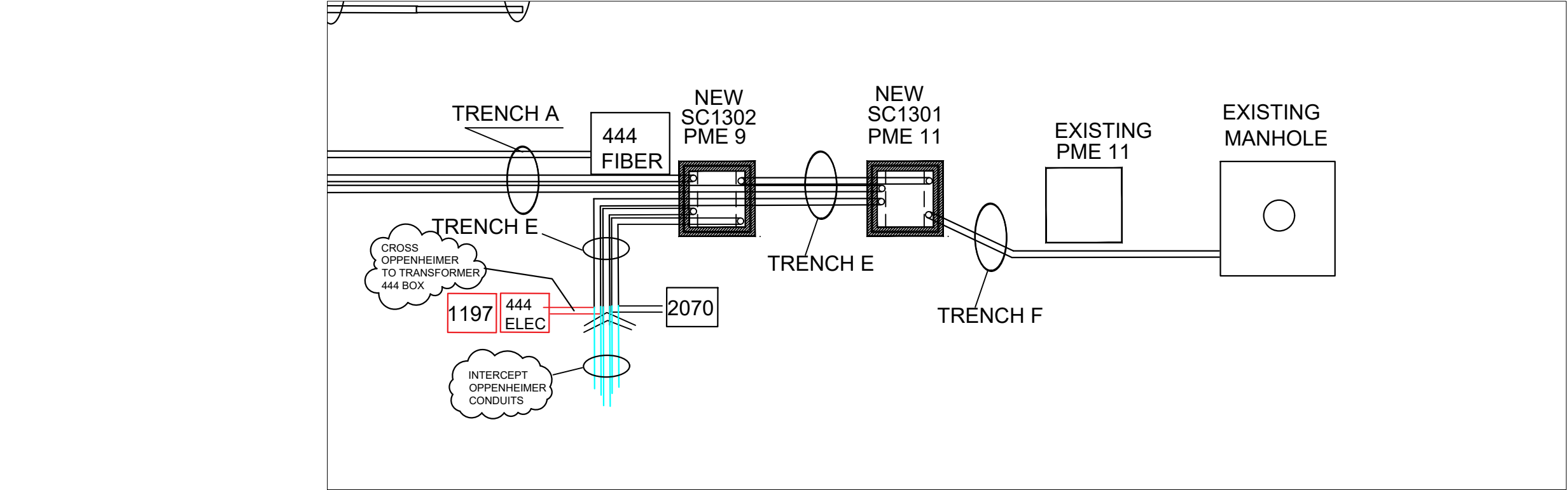
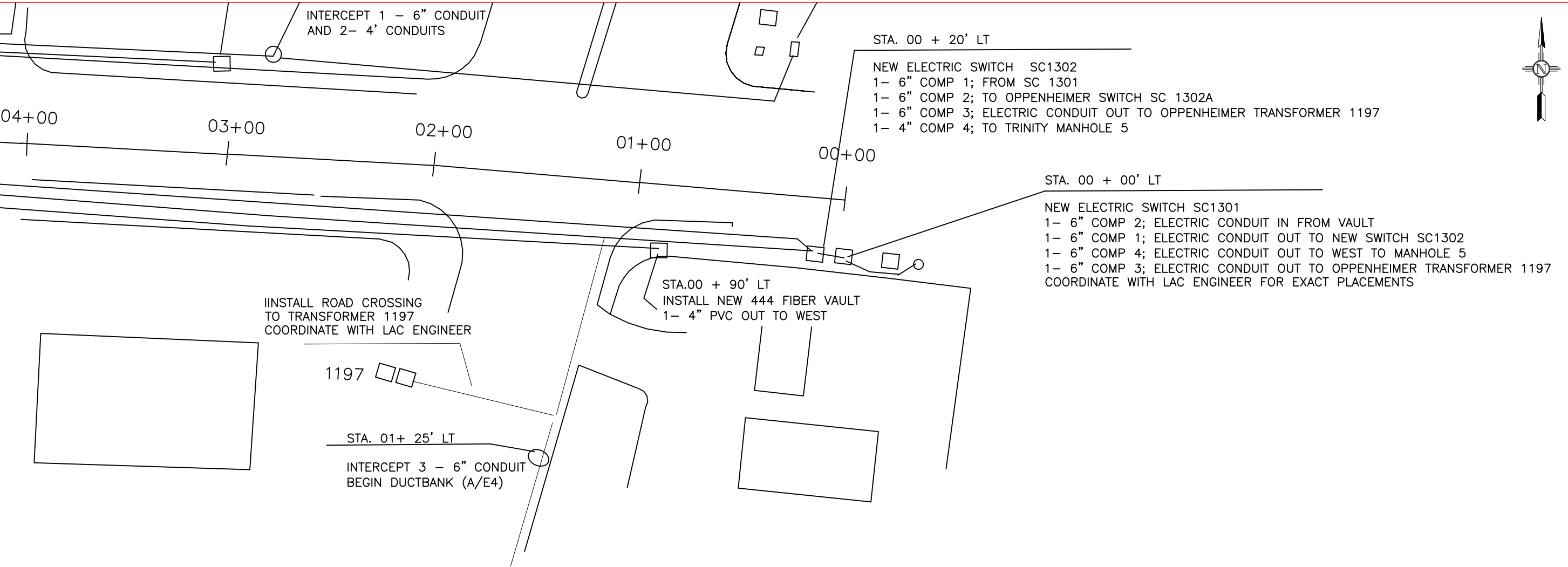
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APPROVED BY: S.MAREZ	
DATE: 09/2024	
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TRINITY DRIVE ELECTRIC
PRIMARY REPLACEMENT
PROJECT

SITE PLAN SHEET


LOS ALAMOS

INCORPORATED COUNTY
OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544



REVISION DESCRIPTION	
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TRINITY DRIVE ELECTRIC
PRIMARY REPLACEMENT
PROJECT



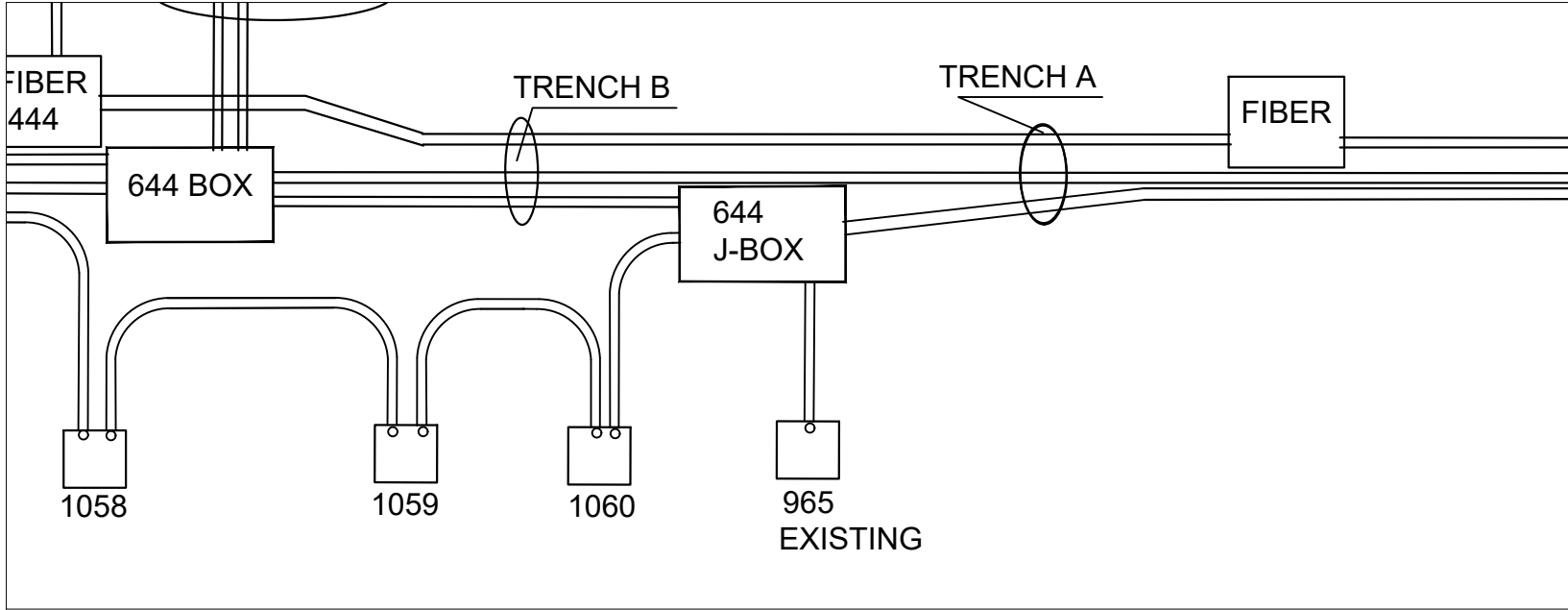
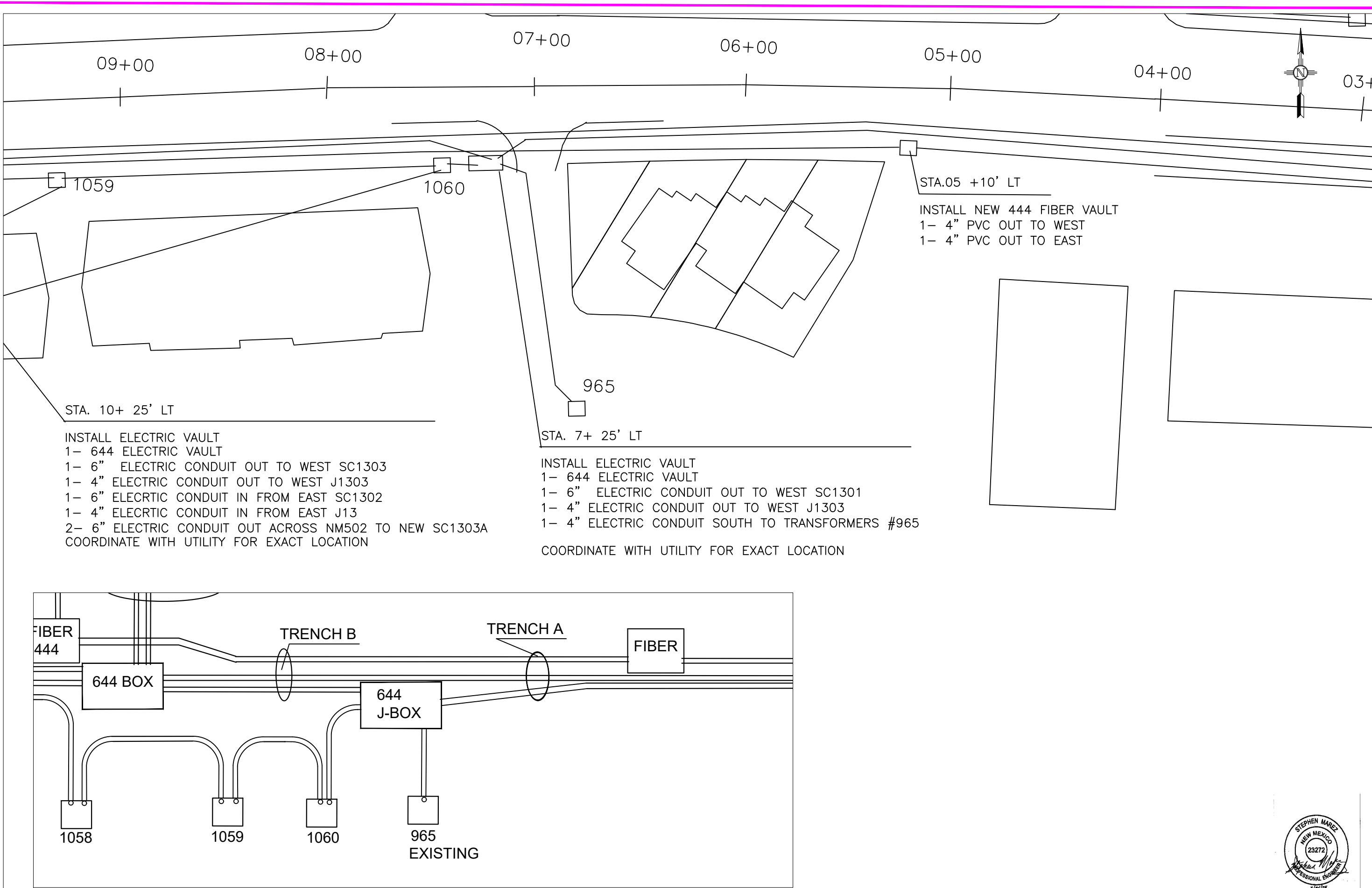
LOS ALAMOS

INCORPORATED COUNTY
OF LOS ALAMOS

DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544

SHEET

E-3



REVISION DESCRIPTION	
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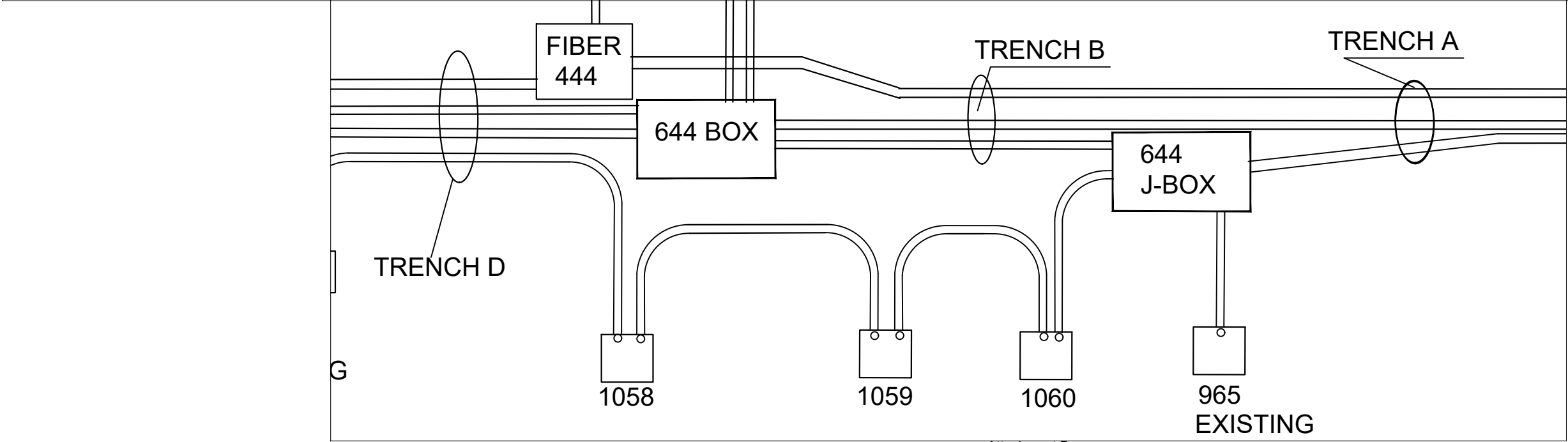
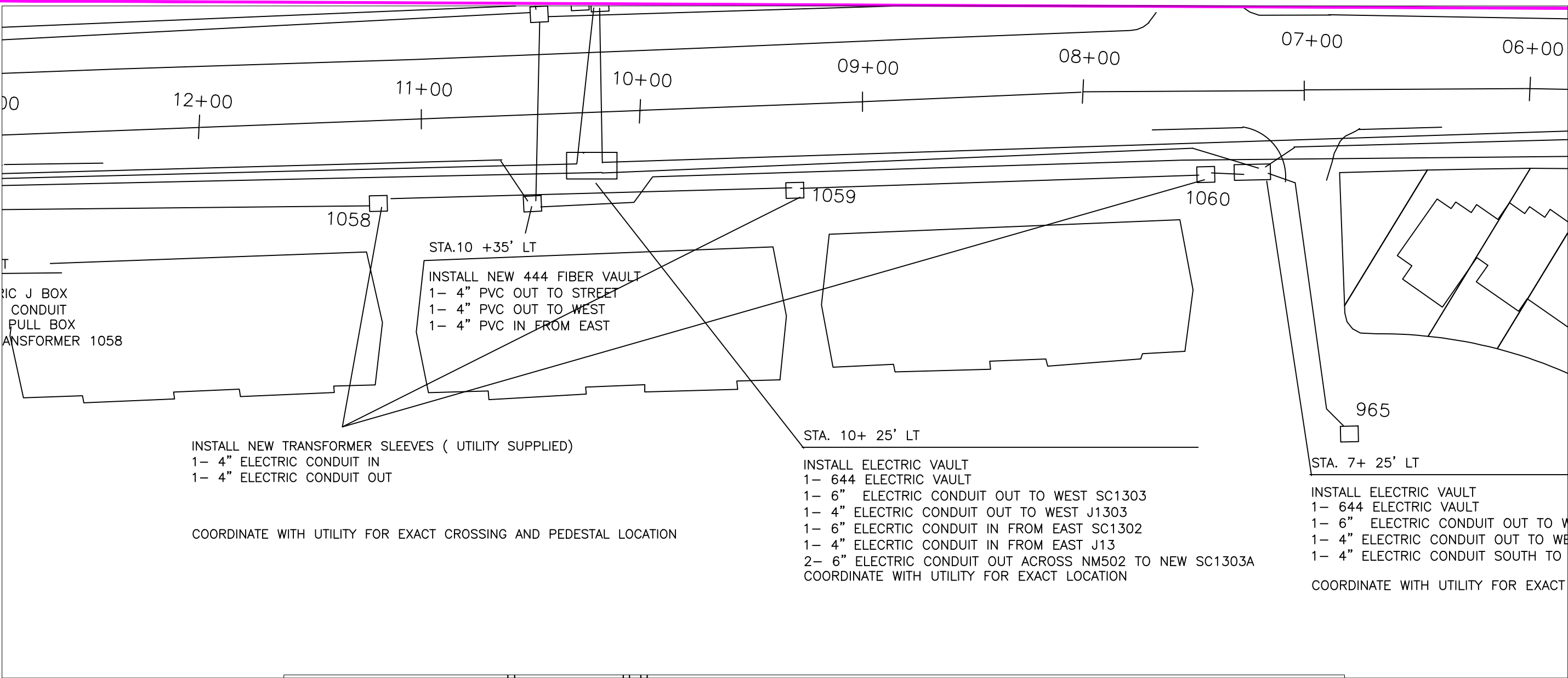
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DRAWN BY:	S.MAREZ
APPROVED BY:	S.MAREZ
DATE:	04/2025
SCALE:	1"= 100'

TRINITY DRIVE ADA IMPROVEMENTS PROJECT

PHASE ONE


LOS ALAMOS

INCORPORATED COUNTY OF LOS ALAMOS
PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109



Attachment B

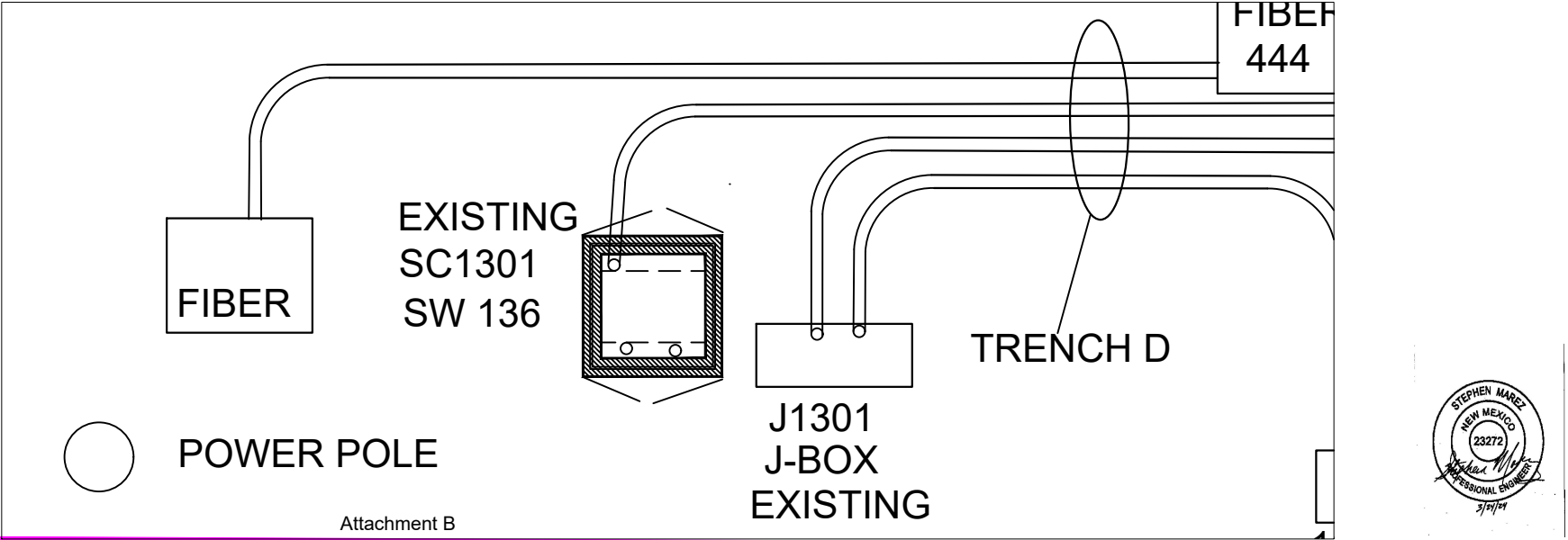
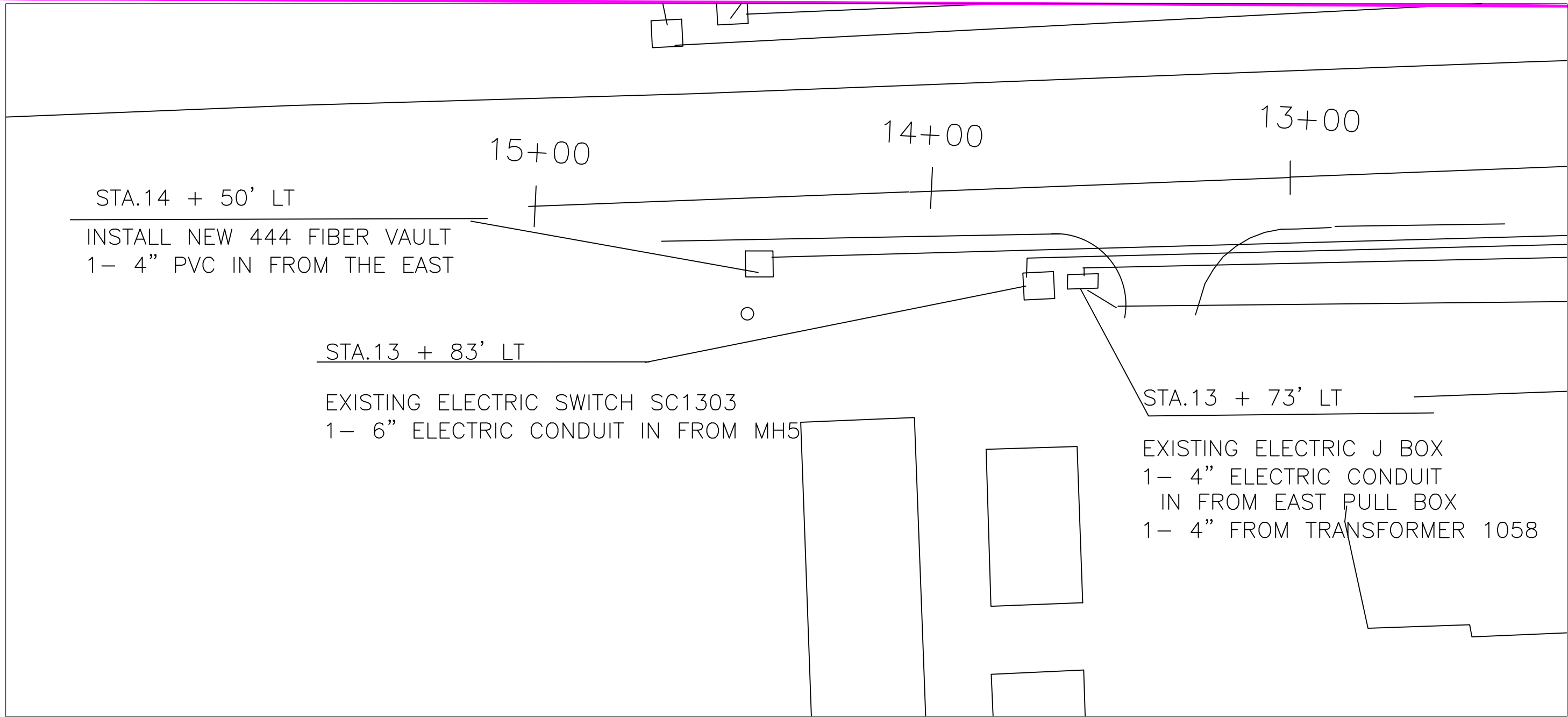


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DRAWN BY: S.MAREZ
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TRINITY DRIVE ELECTRIC
PRIMARY REPLACEMENT
PROJECT
PHASE 1

INCORPORATED COUNTY
OF LOS ALAMOS
DEPT. OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544

SHEET
E-5



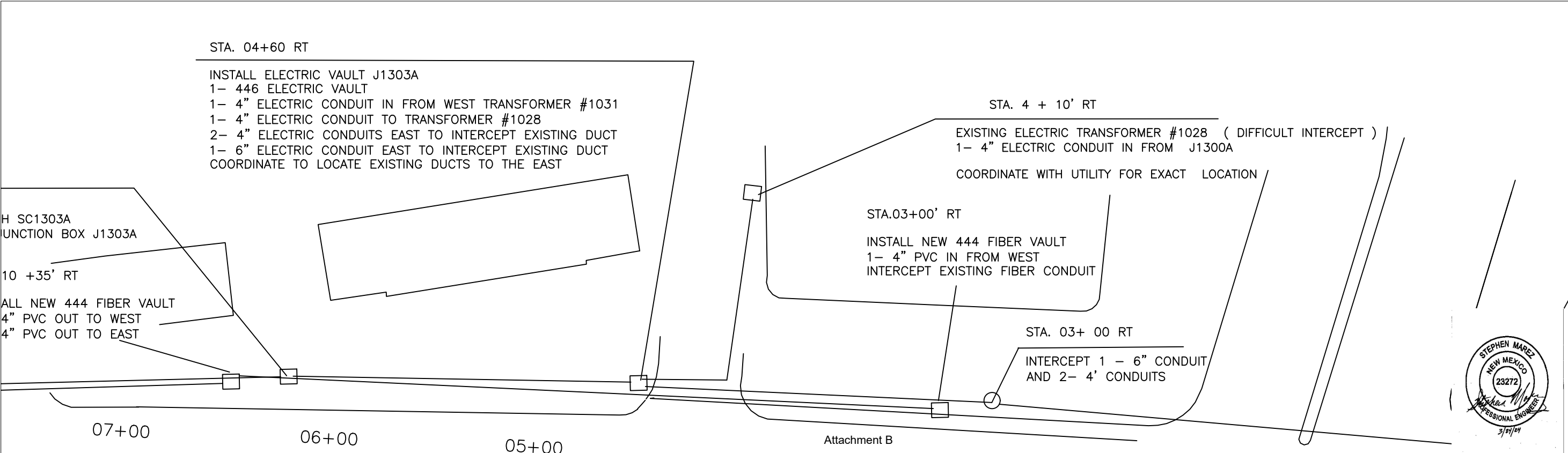
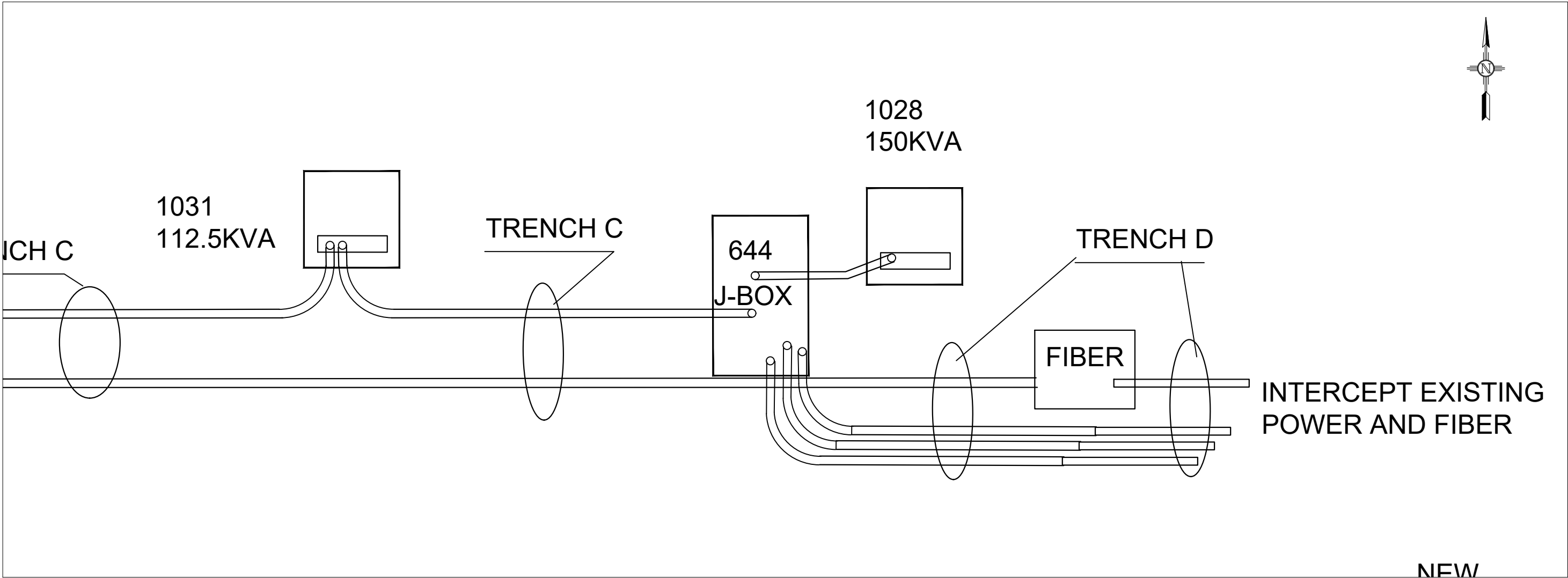
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TRINITY DRIVE ELECTRIC
PRIMARY REPLACEMENT
PROJECT



INCORPORATED COUNTY
OF LOS ALAMOS
DEPT. OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544



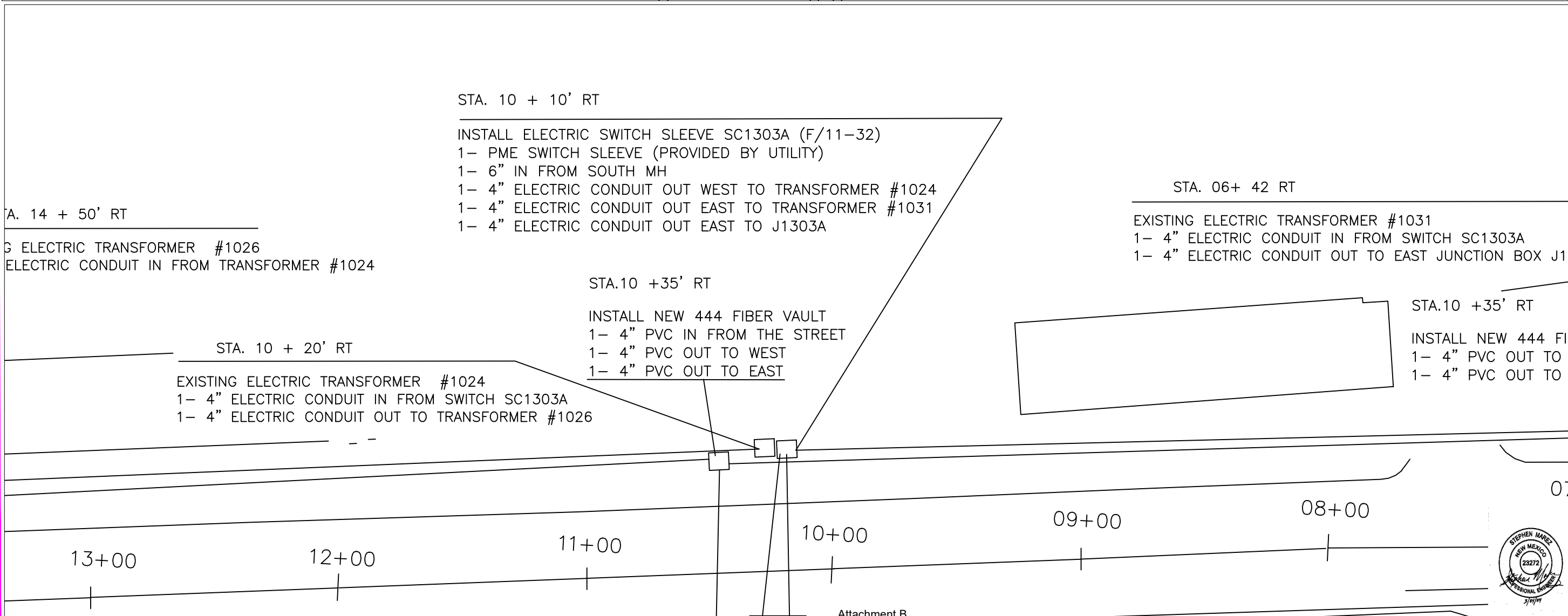
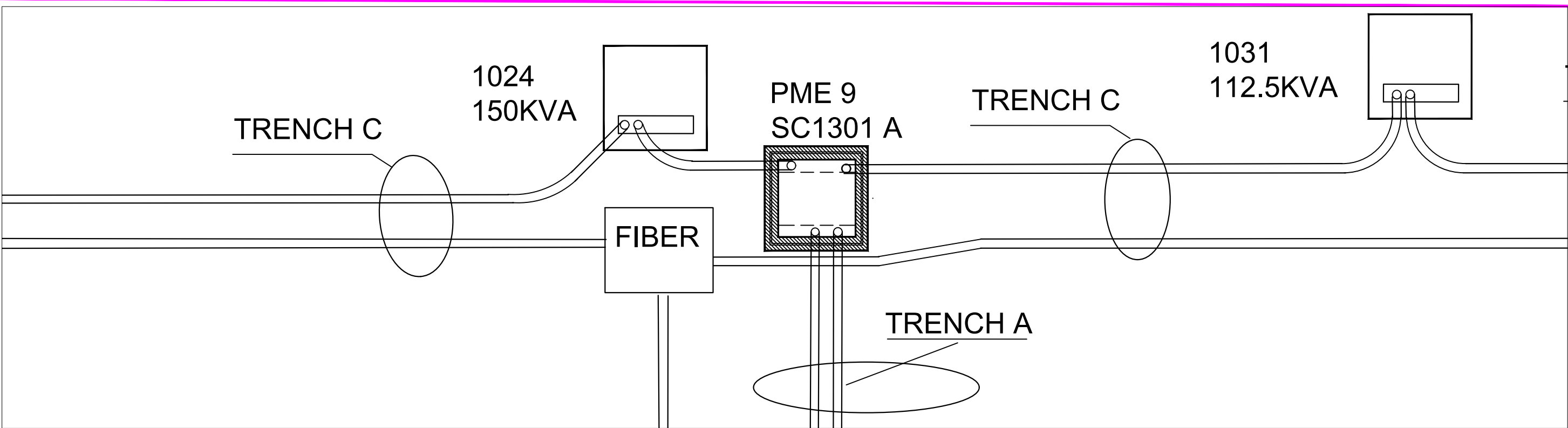
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TRINITY DRIVE ADA
IMPROVEMENTS PROJECT

INCORPORATED COUNTY
OF LOS ALAMOS

PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109



STA. 10 + 10' RT

- INSTALL ELECTRIC SWITCH SLEEVE SC1303A (F/11-32)
- 1- PME SWITCH SLEEVE (PROVIDED BY UTILITY)
 - 1- 6" IN FROM SOUTH MH
 - 1- 4" ELECTRIC CONDUIT OUT WEST TO TRANSFORMER #1024
 - 1- 4" ELECTRIC CONDUIT OUT EAST TO TRANSFORMER #1031
 - 1- 4" ELECTRIC CONDUIT OUT EAST TO J1303A

STA. 06+ 42 RT

- EXISTING ELECTRIC TRANSFORMER #1031
- 1- 4" ELECTRIC CONDUIT IN FROM SWITCH SC1303A
 - 1- 4" ELECTRIC CONDUIT OUT TO EAST JUNCTION BOX J1303A

STA. 10 + 20' RT

- EXISTING ELECTRIC TRANSFORMER #1024
- 1- 4" ELECTRIC CONDUIT IN FROM SWITCH SC1303A
 - 1- 4" ELECTRIC CONDUIT OUT TO TRANSFORMER #1026

STA. 10 + 35' RT

- INSTALL NEW 444 FIBER VAULT
- 1- 4" PVC IN FROM THE STREET
 - 1- 4" PVC OUT TO WEST
 - 1- 4" PVC OUT TO EAST

STA. 10 + 35' RT

- INSTALL NEW 444 FIBER VAULT
- 1- 4" PVC OUT TO WEST
 - 1- 4" PVC OUT TO EAST

13+00

12+00

11+00

10+00

09+00

08+00

07+00

Attachment B



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TRINITY DRIVE ELECTRIC
PRIMARY REPLACEMENT
PROJECT



LOS ALAMOS

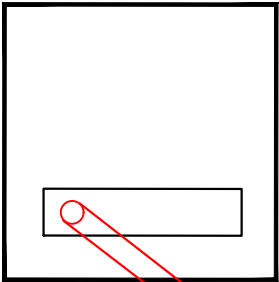
INCORPORATED COUNTY
OF LOS ALAMOS
DEPT. OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544

SHEET
E-8

1026
112.5 KVA



FIBER



- INSTALL ELECTR
- 1- PME SWITCH
 - 1- 6" IN FROM
 - 1- 4" ELECTRIC
 - 1- 4" ELECTRIC
 - 1- 4" ELECTRIC

STA.13 +75' RT
INSTALL NEW 444 FIBER VAULT
1- 4" PVC IN FROM THE EAST

STA. 14 + 50' RT
EXISTING ELECTRIC TRANSFORMER #1026
1- 4" ELECTRIC CONDUIT IN FROM TRANSFORMER #1024

STA. 10 + 20' RT
EXISTING ELECTRIC TRANSFORMER #1024
1- 4" ELECTRIC CONDUIT IN FROM SWITCH SC1303A
1- 4" ELECTRIC CONDUIT OUT TO TRANSFORMER #1024

15+00

14+00

13+00

12+00



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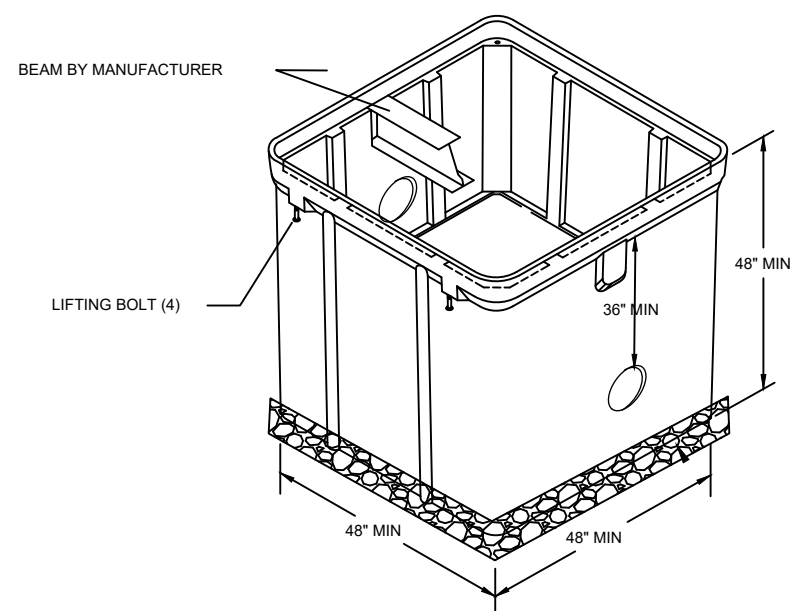
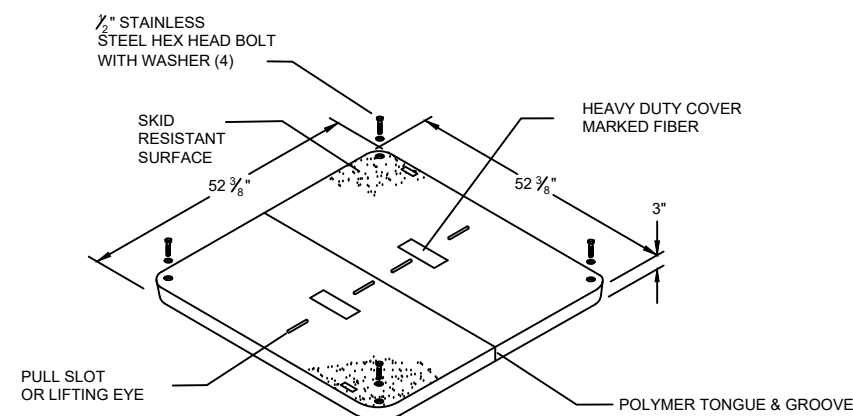
TRINITY DRIVE ELECTRIC
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LOS ALAMOS

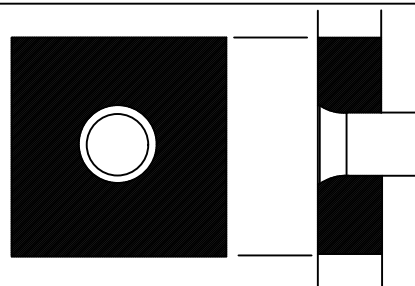
INCORPORATED COUNTY
OF LOS ALAMOS

PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
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FIBER PULL VAULT 4' X 4' X 4'

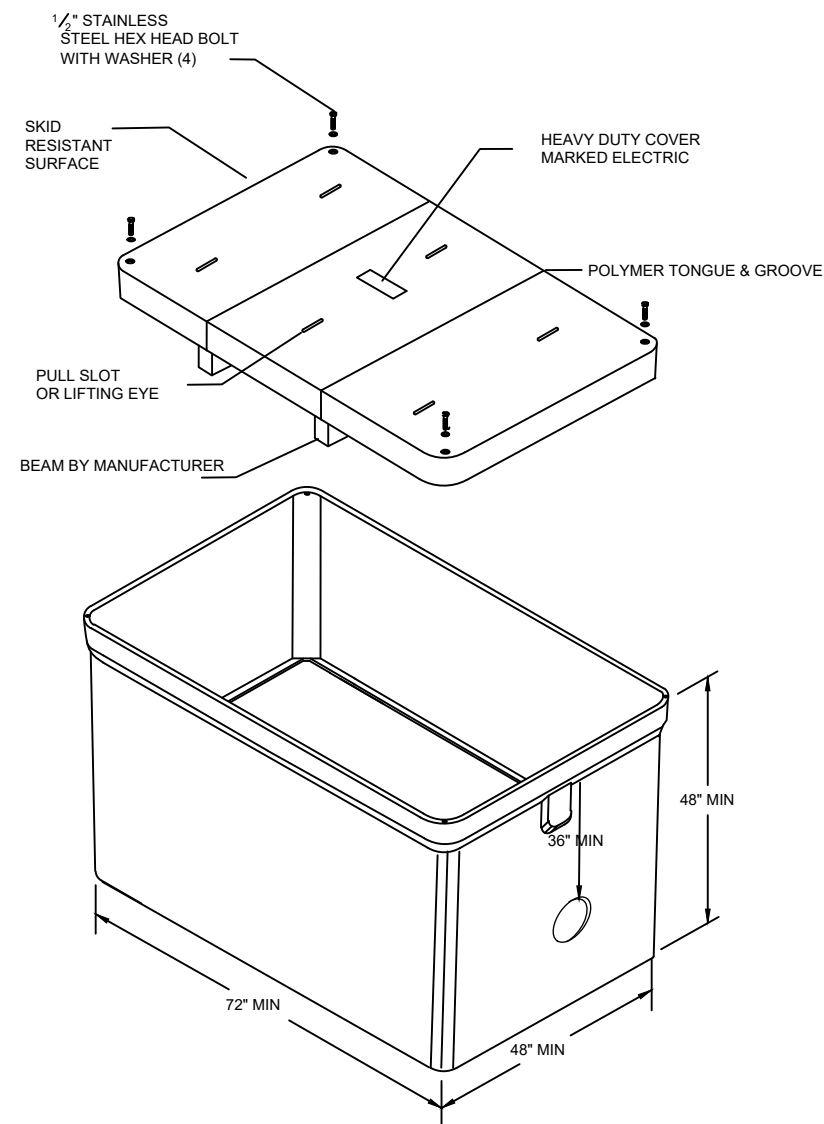
DUCT TERMINATION AT MANHOLE
SPECIAL BELL END
CARLON E949RX OR EQUAL



FLUSH WITH VAULT WALL
GROUT WITH CONCRETE
INSTALL PULL ROPE

VAULT CONSTRUCTION NOTES

- 1.) VAULT TO BE USED FOR H-20 TRAFFIC DESIGN LOADING. ALL LIVE LOADS SHALL BE FOR HS-20-44 (MS-18) AS PER AASHTO STANDARD SPECIFICATION, DIV 1, SEC. 3
- 2.) VAULT EXCAVATION, BACKFILL AND COMPACTION TO CONFORM SPECIFICATION 202
- 3.) BUTYL RUBBER OR NEOPRENE GASKET SEAL REQUIRED BETWEEN VAULT SECTION AND OR EXTENSIONS
- 4.) LIDS TO BE MARKED "ELECTRIC" OR "FIBER" ACCORDING TO DESIGN
- 5.) ALL WEIGHTS TO BE CLEARLY MARKED
- 6.) FIELD CUT BOX AS NEEDED TO RECEIVE CONDUITS.
- 7.) VAULTS SHALL COMPLY WITH SPECIFICATION 401. UNDERGROUND DUCTBANK SYSTEMS.



ELECTRIC PULL VAULT 6' X 4' X 4'

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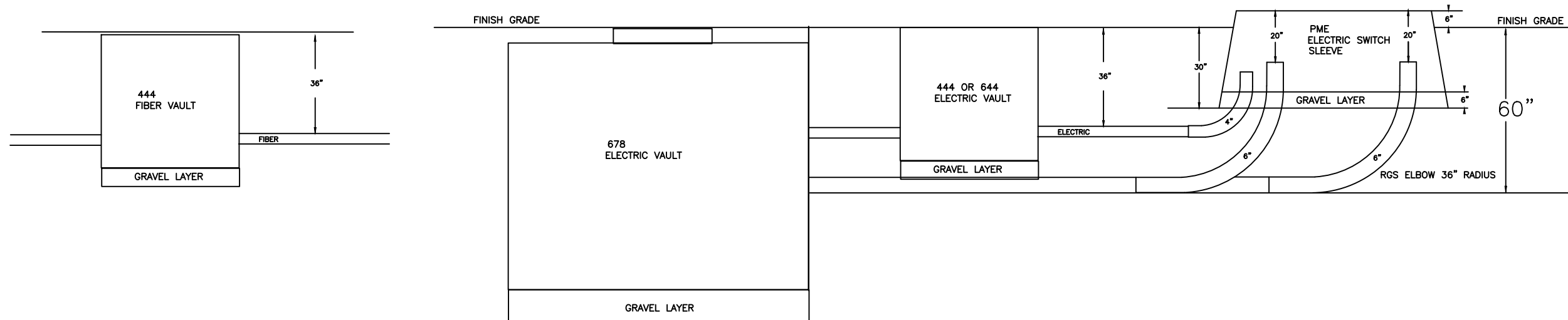
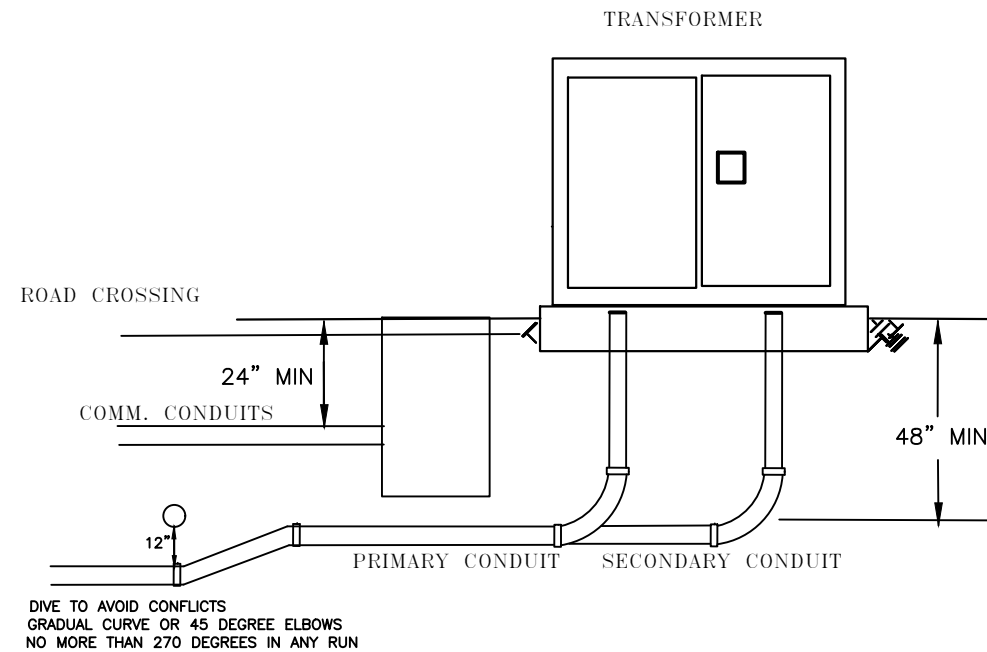
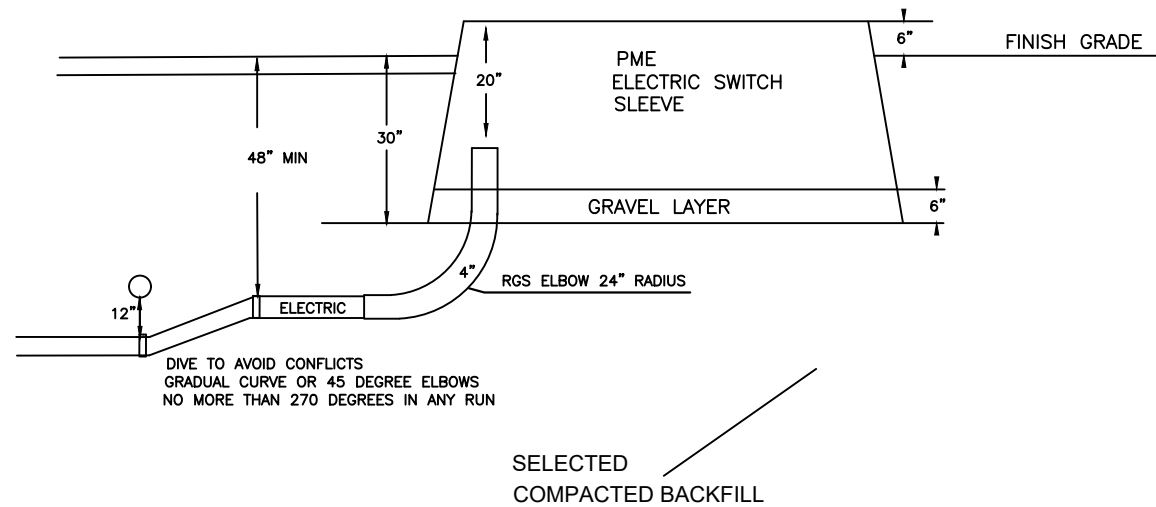
TRINITY DRIVE ELECTRIC
PRIMARY REPLACEMENT
PROJECT
DETAIL SHEETS



LOS ALAMOS

INCORPORATED COUNTY
OF LOS ALAMOS
DEPT. OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544

SHEET
E-10



TYPICAL VAULT TO SWITCH AND VAULT TO VAULT PIPE INSTALLATION DIAGRAM

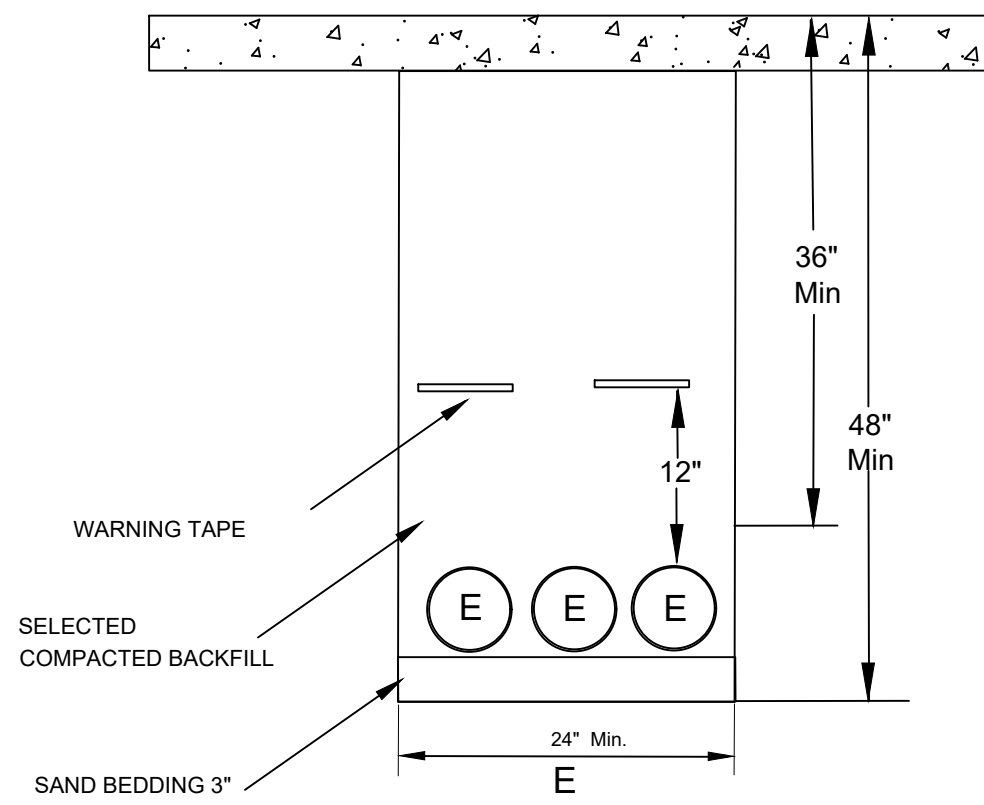
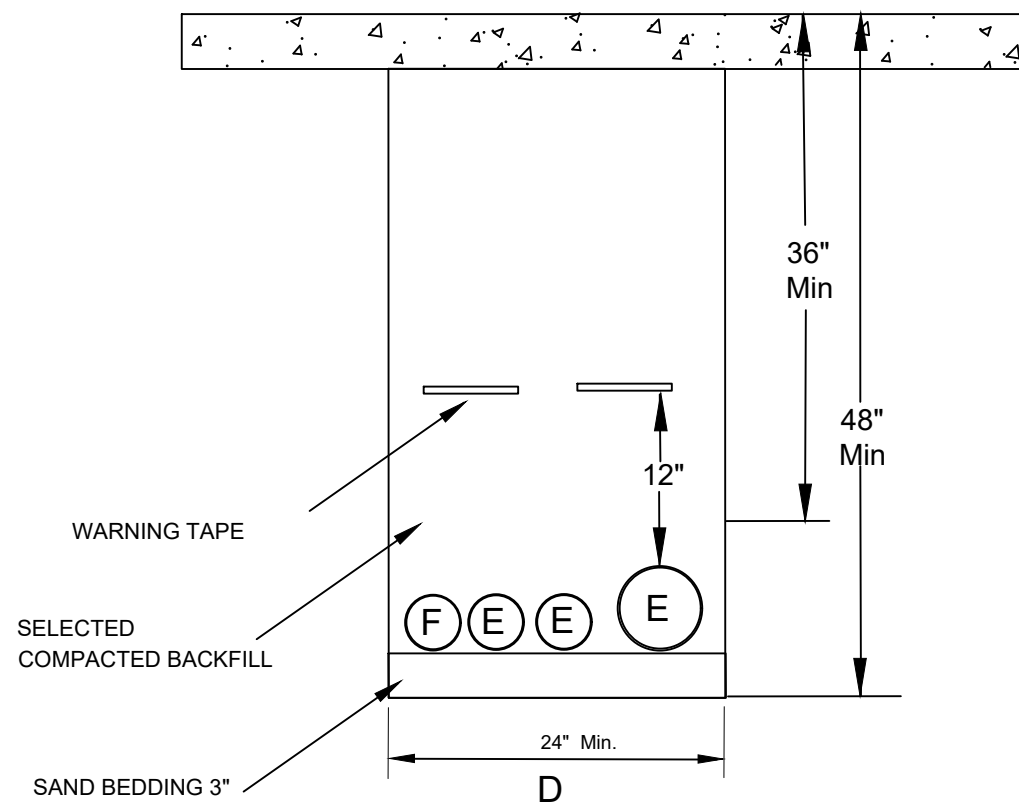
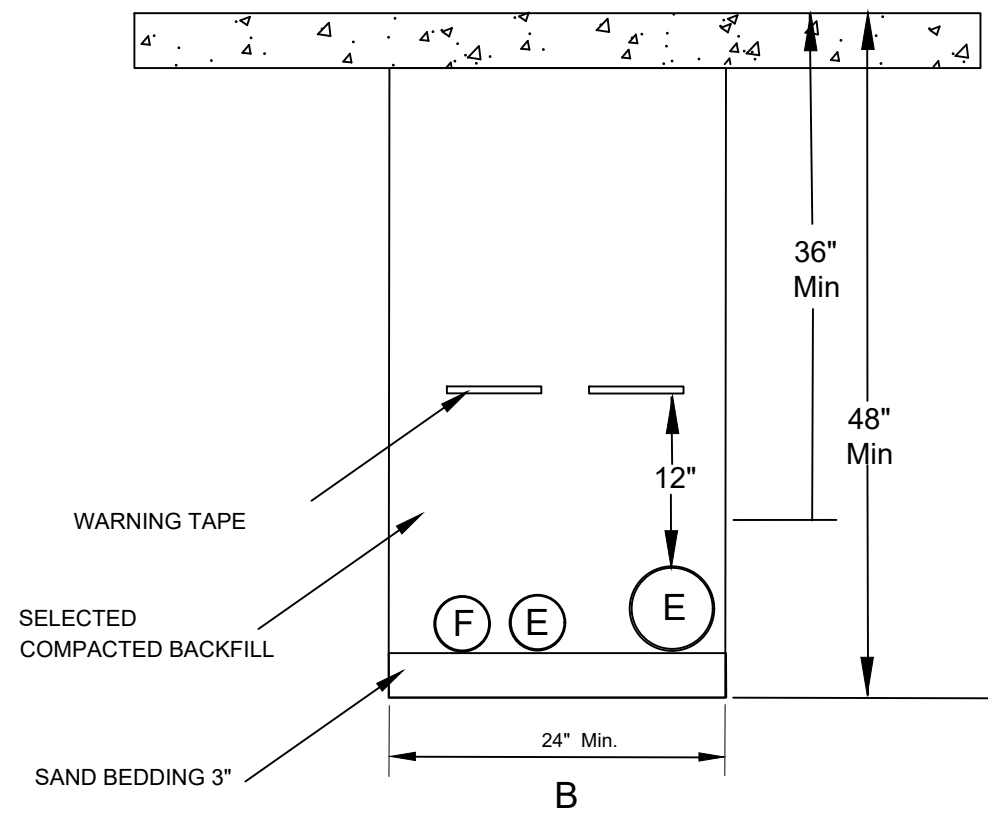
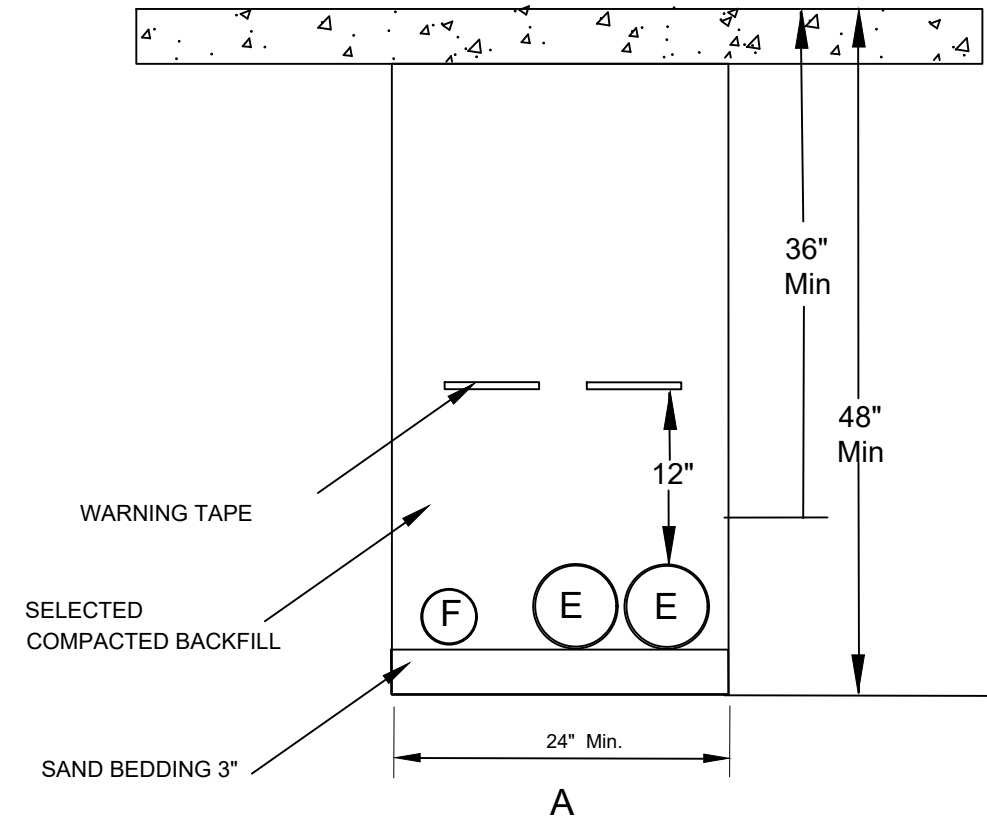
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TRINITY DRIVE ELECTRIC
PRIMARY REPLACEMENT
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INCORPORATED COUNTY
OF LOS ALAMOS
DEPT. OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544

SHEET
E-12



Attachment B

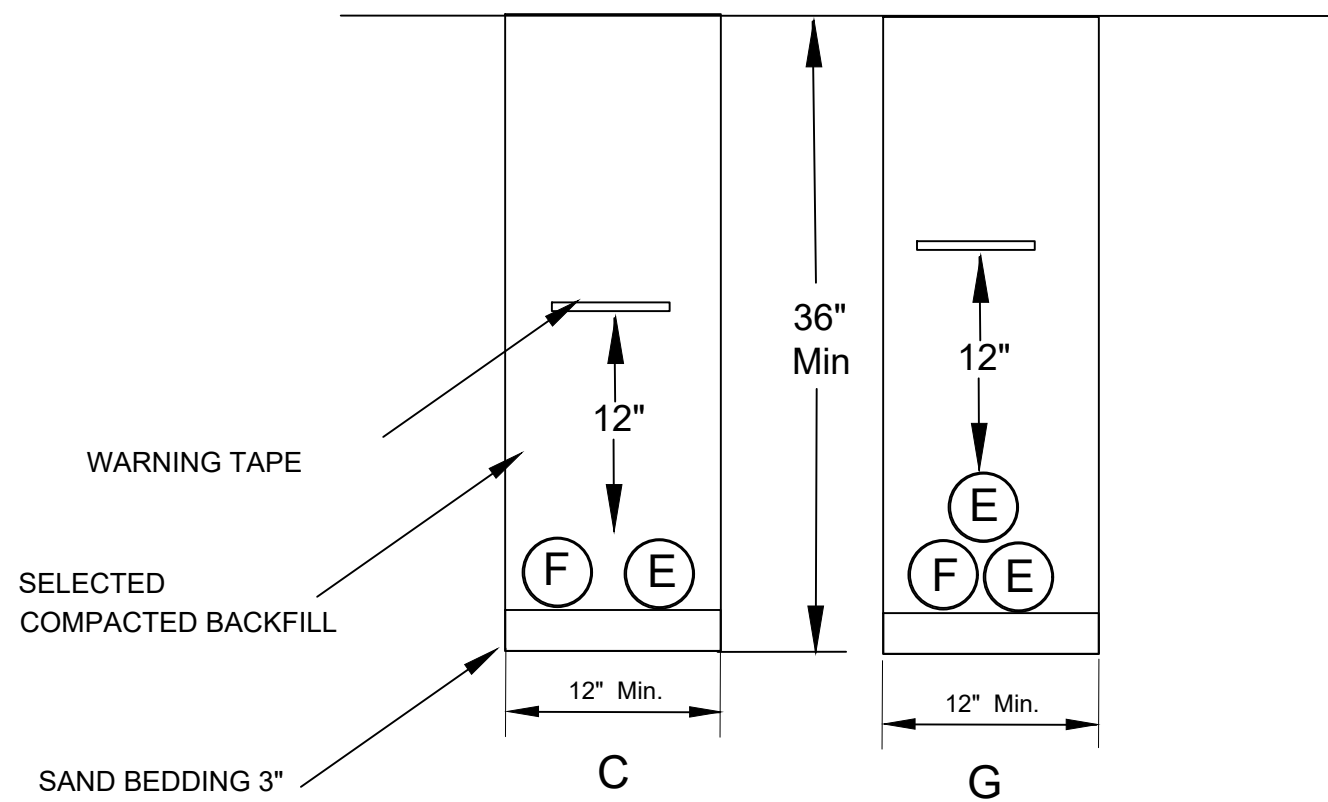
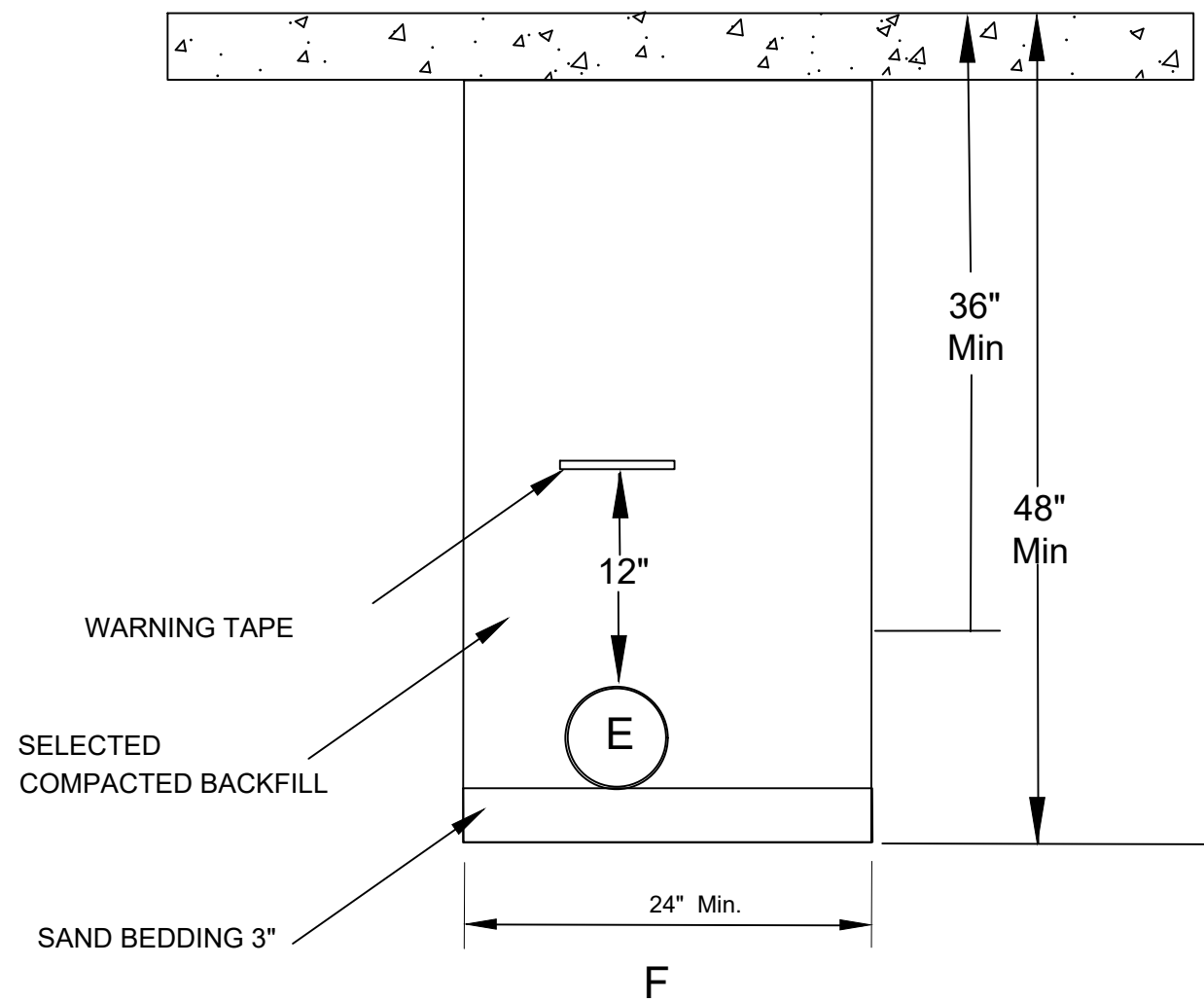
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TRINITY DRIVE ELECTRIC
 PRIMARY REPLACEMENT
 PROJECT
 DETAIL SHEETS

LOS ALAMOS

INCORPORATED COUNTY
 OF LOS ALAMOS
 DEPT. OF PUBLIC UTILITIES
 1000 CENTRAL AVE., SUITE 130
 LOS ALAMOS, NEW MEXICO 87544

SHEET
 E-13

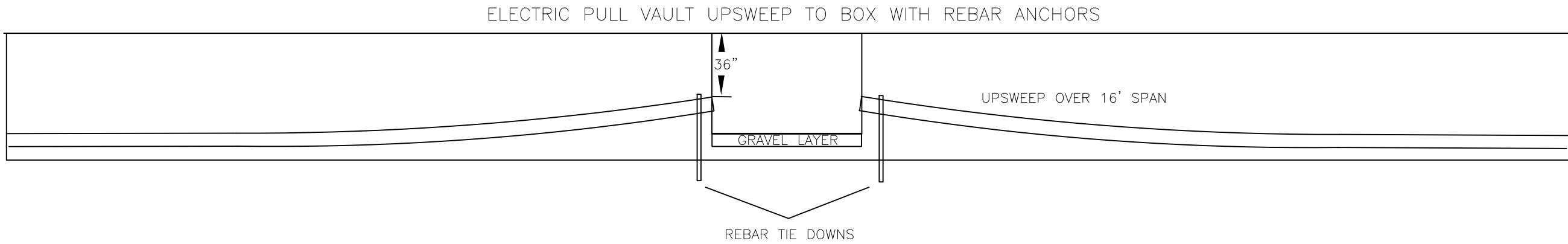
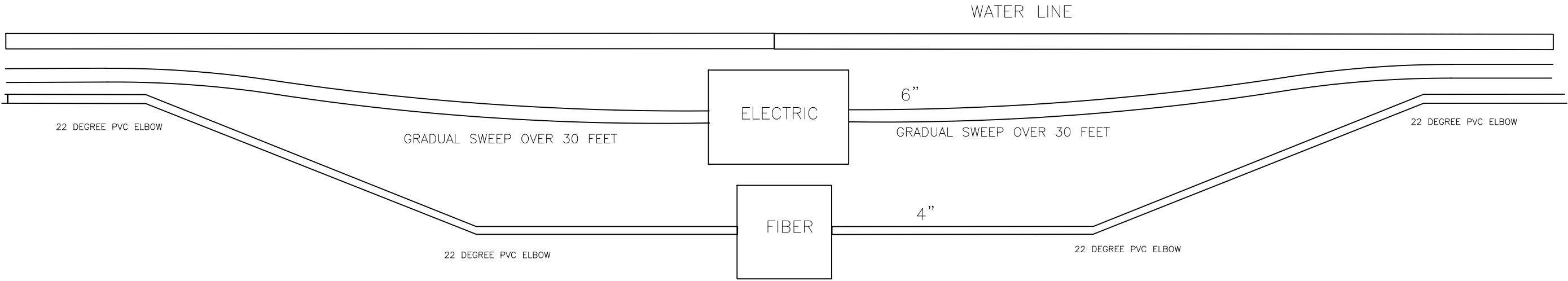


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TRINITY DRIVE ELECTRIC
 PRIMARY REPLACEMENT
 PROJECT
 DETAIL SHEETS



INCORPORATED COUNTY
 OF LOS ALAMOS
 DEPT. OF PUBLIC UTILITIES
 1000 CENTRAL AVE., SUITE 130
 LOS ALAMOS, NEW MEXICO 87544



Trinity Drive Electric Replacement Project
Roles and Responsibilities

All work listed here will follow Los Alamos County Department of Public Utilities (LACU) specifications.

1. The Contractor will be responsible for all trenching and conduit installations.
2. The Contractor will be responsible for all traffic control and road cut permits required by Los Alamos County and the State of New Mexico.
3. The Contractor will supply all conduit, RGS elbows and couplings.
4. The Contractor will Call NM One Call (811) for line locates on all installations.
5. The Contractor will provide the project manager a copy of all locate requests.
6. The Contractor will maintain locates during construction.
7. The Utility will inspect all trenches prior to conduit installation.
8. The Contractor will mandrel and clean all conduit sections under the supervision of LACU engineering.
9. The Contractor will install graduated / traceable mule tape in each conduit run and tie off on each end.
10. The Contractor will provide labels on each conduit end to identify opposite end locations.
11. The Contractor will dive to avoid conflicts when installing electric conduit.
Shallow conduit will only be allowed with LACU Engineers approval and terms.
12. The Contractor will supply and install vaults, junction boxes & pedestals.
13. The Contractor will install Utility supplied switch sleeves.
14. The Contractor will coordinate placement of conduit in switch sleeves with LACU engineers.
15. The Contractor will coordinate excavation to expose existing live conductors.
16. The Contractor will coordinate conduit installation into existing transformer.
17. The Contractor will coordinate any required power outage with any affected customers and the Utilities department.
18. The Contractor will always allow LACU crews access to the job site to perform electric work.

This document does not override any terms and agreements made in official contracts.

Stephen Marez, PE
Deputy Utility Manager
Los Alamos County
Dept. of Public Utilities
Electric Distribution
(505) 780-0481 cell
(505) 662-8499 office

DESIGNED BY: S.MAREZ
DRAWN BY: S.MAREZ
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TRINITY DRIVE ELECTRIC
PRIMARY REPLACEMENT
PROJECT
DETAIL SHEETS



INCORPORATED COUNTY
OF LOS ALAMOS
DEPT. OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
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