



Stewart Facility
5500 Snyder Avenue, Carson City, NV 89701

Request for Permission to Undertake Structural or Visual Alterations

In accord with the requirements set forth in existing covenants,
State Public Works Department (*name of agency*) is requesting written permission to undertake
visual or structural alterations as described below:

Building Number and Name:

1. Building 6
Building's Date of Construction: 1930
2. Building 12 - Dormitory (P.O.S.T.)
Building's Date of Construction: 1941
3. Building 13 - ORM (DMV&PS)
Building's Date of Construction: 1941
4. Building 19
Building's Date of Construction: 1926
5. Building 26
Building's Date of Construction: 1937
6. Building 44
Building's Date of Construction: 1937
7. Building 116 - Housing
Building's Date of Construction: 1963
8. Building 117 - Housing
Building's Date of Construction: 1963
9. Building 118 – Housing
Building's Date of Construction: 1963

Stewart Indian School Complex
Request for Permission to Undertake Structural or Visual Alterations

Building's Date of Construction: 1937

23. 67a - Non-Profit Housing

Building's Date of Construction: 1939

24. 67b - Non-Profit Housing

Building's Date of Construction: 1939

25. 17 - School (NDOC)

Building's Date of Construction: 1964

Supplementary Information:

Please indicate if you have submitted the following—

- Written description of proposed work (*required; see second page*)
- Photographs of existing conditions (*required*)
- Sketches, plans, or architectural drawings depicting the proposed work
- Sketch or site plan of project location
- Specs of materials to be used
- Historic photographs depicting past condition or design
- Other

Request Submitted by:

Jason Aviles

Print name

Signature

Agency – State Public Works Division

Title – Project Manager II – Electrical Engineer

Email address – javiles@admin.nv.gov

Phone number – 775-434-3186

Date of Request: 3/12/2021

Please allow up to 14 business days for this form to be processed. Proposed work must not begin until this form has been reviewed and approved by both the State Historic Preservation Office and the Nevada Indian Commission. In some cases, coordination with State Lands is also necessary. Per NRS 321.003, a state agency must also submit a Certification Request to the Nevada Division of State Lands before constructing a building or making other permanent improvements to state lands. This includes ground disturbance for site work and utilities. If your project requires a State Lands Certification, you will find the instructions on the Division of State Lands website under "Forms."

<http://www.lands.nv.gov/>

Stewart Indian School Complex
Request for Permission to Undertake Structural or Visual Alterations

To expedite your project, the SHPO recommends coordinating with SHPO and State Lands concurrently.

Please submit request form and supplementary materials to the State Historic Preservation Office, 901 S. Stewart St., Ste. 5004, Carson City, NV 89701-5248 or by email to rlpalmer@shpo.nv.gov.

REQUEST APPROVED BY:		
SHPO -	<u>Ashley Wiley Ashley Jurley</u>	<u>3/19/2021</u>
	<i>Print and sign name</i>	<i>Date</i>
Nevada Indian Commission -	_____	_____
	<i>Print and sign name</i>	<i>Date</i>
* Nevada Division of State Lands -	<u>Charles Dandine</u>	<u>3/23/2021</u>
	<i>Print and sign name</i>	<i>Date</i>
* (If required)		

Description of Proposed Work:

Please provide a thorough written description of the proposed work, including--

- Location on building
- Approximate size of area affected
- Existing conditions
- Materials to be used
- Proposed methods (must follow the [Secretary of the Interior's Standards](#))

(Use as many pages as needed)

Stewart Facility in Carson City. This Capital Improvement project 17-M45 will upgrade existing communications for the Stewart Campus utilizing underground infrastructure installed as part of previous project. Fiber and copper cable will be routed in existing conduit to existing building mounted pull boxes on Buildings listed above. A minimal amount of trenching to install a pedestal and underground conduits will occur near Buildings 60, 68, and 89. The combined trenching will be approximately 120 linear feet in length by 24" depth for the two locations. The pedestals will require a total of 32 square feet by approximately 6" depth where an existing

* SHPO recommends soil qualified archaeological monitor is present during all ground disturbing activities - AW 3/19/21

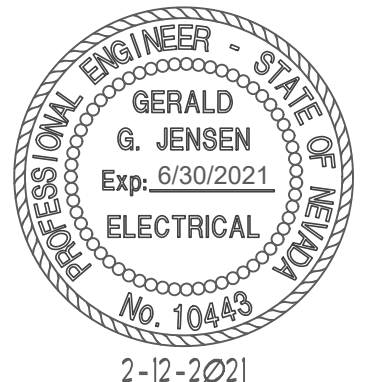
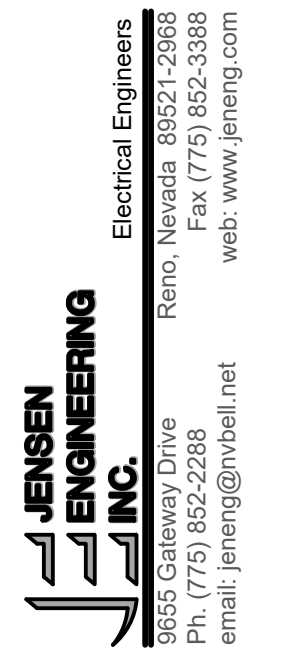
Stewart Indian School Complex
Request for Permission to Undertake Structural or Visual Alterations

below-grade pull box is currently installed. The project will utilize existing underground conduits and vaults to connect for all other cabling install. The project will also remove the remaining wood utility poles located on Campus that is a follow-up to poles removed during the completion of CIP 11-M08. Construction drawings will be included with areas of excavation identified with cloud line type.

COMPLETE COMMUNICATIONS UPGRADE STEWART FACILITY

PLAN SET 2 OF 2
SPWD PROJECT NUMBER - 17-M45

5500 SNYDER AVENUE
CARSON CITY, NEVADA



CONFORMED SET

17-M45 COMPLETE COMMUNICATIONS
UPGRADE
STEWART FACILITY
5500 SNYDER AVE.
CARSON CITY, NEVADA

CONSIDERATION NOTES,
CONSULTANT INFORMATION,
VICINITY MAP,
& DRAWING INDEX

REVISIONS	DESCRIPTION	DATE	BY
No.			
1			
2			
3			
4			
5			

DRAWN BY: MJJ
DESIGNED BY: MJJ
CHECKED: GGJ
DATE: 4-15-2020
PROJECT NO: G1718CF

SHEET NUMBER

T1

SHEET 1 OF 4

BASIS OF DESIGN

NEC 2011
IBC 2012

SPECIAL CONSIDERATIONS

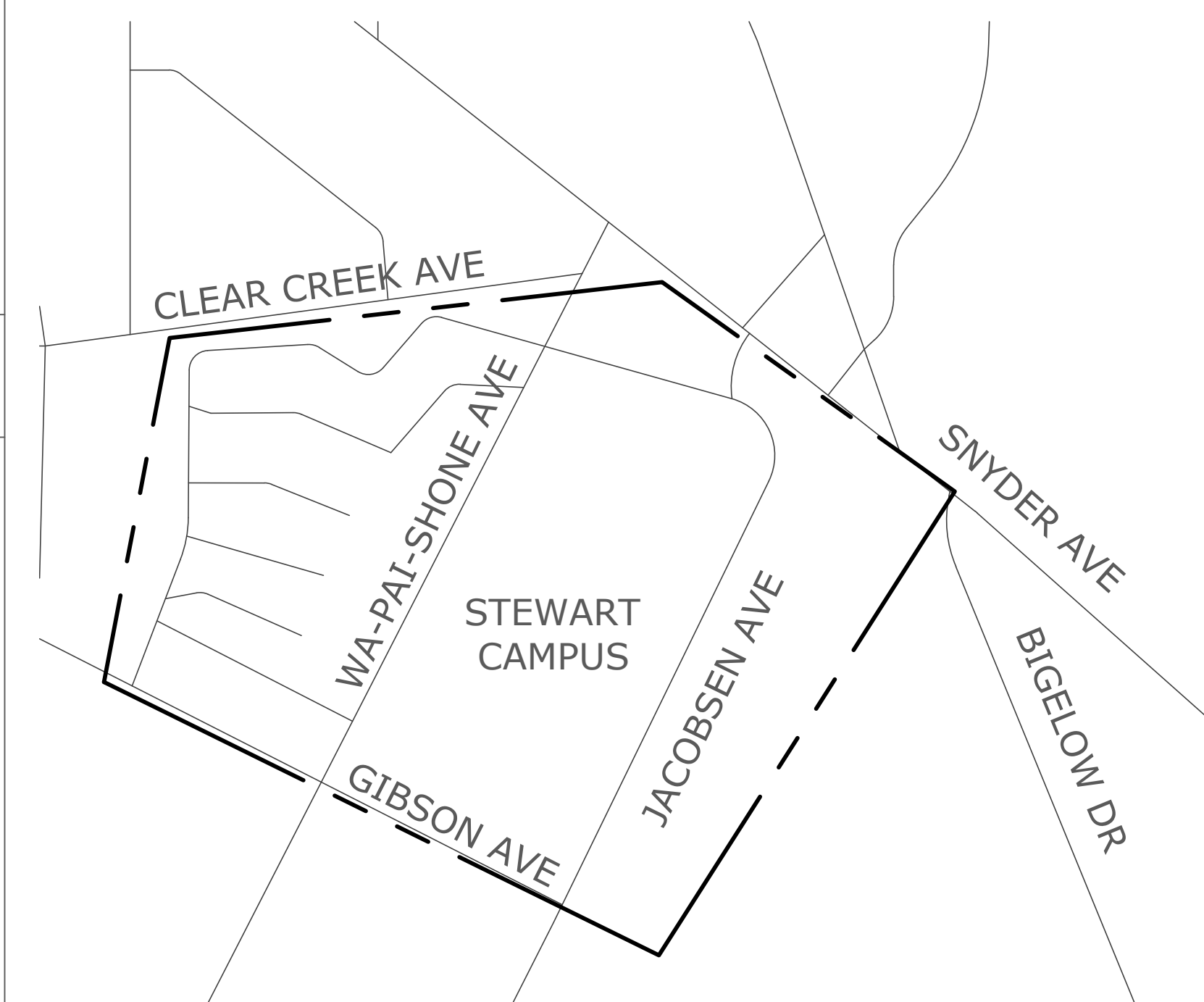
- THE STEWART COMPLEX HAS UNDERGONE MANY UNDERGROUND INFRASTRUCTURE IMPROVEMENTS OVER ITS 120 YEAR HISTORY. CONTRACTOR SHALL GIVE CAREFUL CONSIDERATION TO, AND SHALL ALLOW FOR IN HIS BID, EXISTING UNMAPPED UNDERGROUND INFRASTRUCTURE WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THIS PROJECT. NO EXTRA PAYMENT WILL BE MADE FOR REPAIR OF EXISTING UNDERGROUND INFRASTRUCTURE THAT WAS NOT CONSIDERED, DISCOVERED, AND/OR DAMAGED DURING THE COURSE OF CONSTRUCTION.

HISTORICAL CONSIDERATIONS

- THE STEWART INDIAN SCHOOL COMPLEX IS LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES. IT IS CONSIDERED A HISTORIC DISTRICT.
- ANY WORK COMPLETED WITHIN THIS HISTORIC DISTRICT IS SUBJECT TO WRITTEN APPROVAL FROM THE STATE HISTORIC PRESERVATION OFFICE PER THE 1982 PRESERVATION COVENANT THAT WAS ATTACHED TO THE DEED TRANSFERRING THE LAND OUT OF FEDERAL TO STATE OWNERSHIP.
- ALL WORK MUST COMPLY WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.

ENGINEER

ELECTRICAL: JENSEN ENGINEERING, INC.
GERALD JENSEN, P.E.
9655 GATEWAY DR., SUITE A
RENO, NEVADA 89521
VOICE: (775) 852-2288
FAX: (775) 852-3388
EMAIL: jeneng@nvbell.net



VICINITY MAP
SCALE: 1" = 300'-0"

DRAWING INDEX

- | | | |
|----|---|---|
| T1 | - | CONSIDERATION NOTES, CONSULTANT INFORMATION, VICINITY MAP, & DRAWINGS INDEX |
| E1 | - | LEGEND, REQUIREMENTS, & EQUIPMENT SCHEDULE |
| E2 | - | OVERALL SITE PLAN |
| E3 | - | COMMUNICATIONS DISTRIBUTION DIAGRAM & SCHEDULE |

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	DETAIL IDENTIFICATION: TOP IS DETAIL/BOTTOM IS SHEET NUMBER
	NOTE IDENTIFICATION: NOTE NO. 1 ON SHEET E-1
	EQUIPMENT SCHEDULE IDENTIFICATION
	DUPLEX GFCI RECEPTACLE
	QUADRAPLEX GFCI RECEPTACLE
	GROUND
	DATA BACKBOX
	TELEPHONE BACKBOX
	CONDUIT UP
	CONDUIT STUB
	UNDERGROUND FEEDER
	EXPOSED RUN, PARALLEL TO STRUCTURE IN UNFINISHED AREAS
	BELDEN #8760 2/c #16 SHIELDED 600V CABLE IN 3/4" C.
	SLASHES INDICATE NO. OF #14 MTW STRANDED CONTROL CONDUCTORS IN CONDUIT.
N.T.S.	NOT TO SCALE
C.	CONDUIT
TYP.	TYPICAL
U.D.N.	UNLESS OTHERWISE NOTED
DAA	OR APPROVED ALTERNATE
B.C.	BARE COPPER
GRSC	GALVANIZED RIGID STEEL CONDUIT
E.C.	EMPTY CONDUIT
FSB	FIBER SPLICE BOX
CPB	COMMUNICATION PULL BOX
FPB	FIBER PULL BOX
PMS	PAD-MOUNT SWITCH
FSB	FIBER SPLICE BOX
TSB	TELEPHONE SPLICE BOX
# CP	NUMBER OF COPPER PAIRS
# FS	NUMBER OF FIBER STRANDS
GEC	GROUNDING ELECTRODE CONDUCTOR
	EXISTING CONDUIT & CABLE IDENTIFICATION LABEL
	NEW CONDUIT & CABLE IDENTIFICATION LABEL
	BUILDING HAS FIRE ALARM CONTROLS
	COILED 10-FOOT LENGTH IN CABINET
	EXISTING POLE

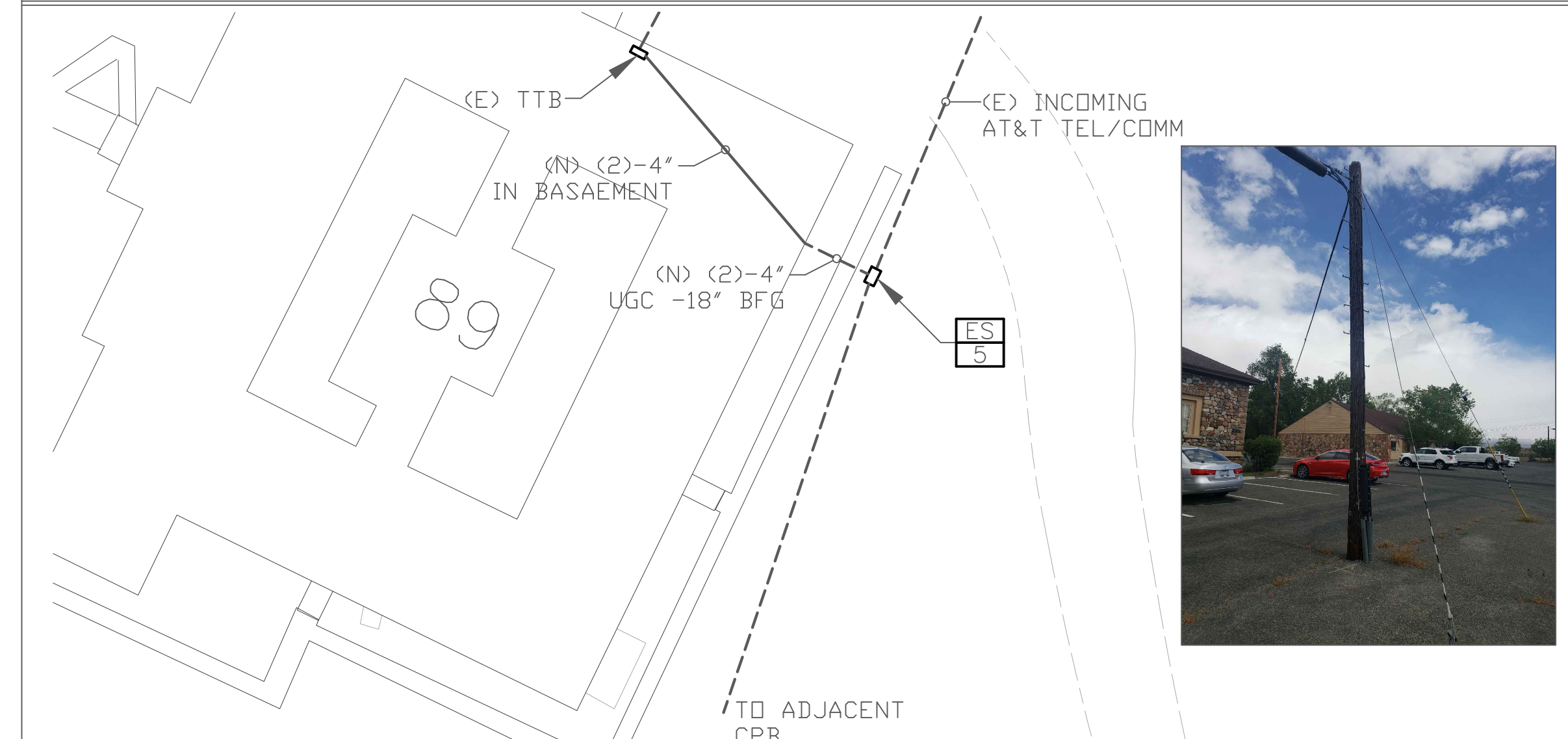
GENERAL ELECTRICAL REQUIREMENTS:

- A. FURNISH ALL LABOR, MATERIAL, EQUIPMENT, TOOLS, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE ELECTRICAL SYSTEM.
- B. ALL WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NATIONAL BOARD OF FIRE UNDERWRITERS, APPLICABLE LOCAL CODES, UTILITY COMPANY STANDARDS. SEE PROJECT MANUAL FOR ADDITIONAL DETAILS AND SPECIFICATIONS.
- C. ALL MATERIAL SHALL BE NEW AND CONFORM WITH THE REQUIREMENT OF THE UNDERWRITER'S LABORATORIES, INC.
- D. WORKMANSHIP AND NEAT APPEARANCE SHALL BE OF THE SAME LEVEL OF IMPORTANCE AS ITS ELECTRICAL AND MECHANICAL EFFICIENCY.
- E. COORDINATE ALL WORK WITH THAT OF OTHER CONTRACTORS ON THE JOB AND ALSO WITH THAT OF THE OWNER. ANY COST FOR EXTRA WORK OR MATERIALS RESULTING FROM LACK OF COORDINATION, SHALL BE BORNE BY THIS CONTRACTOR.
- F. COPPER COMMUNICATION CONDUCTORS SHALL BE OUTDOOR RATED WITH #24 AWG SOLID COPPER IN TWISTED PAIRS, MADE INTO CATEGORY-3 PVC JACKETED CABLES. FIBER OPTIC COMMUNICATION CABLES SHALL BE OUTDOOR RATED WITHIN 250 MICRON FIBERS, MADE INTO GEL-FILLED TUBE CABLES.
- G. ALL CONDUIT WITHIN 18" OF GRADE OR FINISHED FLOOR TO BE GALVANIZED RIGID STEEL. ALL CONDUIT AT OR BELOW 18" TO BE PVC-TYPE SCHEDULE-40. ALL UNDERGROUND ELBOWS TO BE GALVANIZED RIGID STEEL (GRS). ALL METALLIC CONDUITS IN CONTACT WITH EARTH TO BE EITHER PCV-GRSC OR HALF-LAP WRAPPED IN SCOTCH-50 ELECTRICAL TAPE.
- H. WIRING DEVICES SHALL BE HUBBELL, OR EQUAL. ALL DEVICES SHALL BE EQUAL TO THE FOLLOWING AND SHALL HAVE STAINLESS STEEL DEVICE/COVER PLATES:
ENCLOSURE SWITCHES:
A. SPST HUBBELL NO. 1221-1
ENCLOSURE RECEPTACLES:
A. GFCI DUPLEX 20A, 125V HUBBELL NO. GF5262-1
- I. THIS CONTRACTOR SHALL GUARANTEE TO THE OWNER ALL WORK PERFORMED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.
- J. PROVIDE A WATER-TIGHT CONDUIT SYSTEM, INCLUDING THREADED HUBS AT EQUIPMENT PENETRATIONS, LIQUID-TIGHT CONNECTORS, & SEALS.
- K. PROVIDE NEW TYPED PANEL DIRECTORIES FOR ALL NEW AND MODIFIED 120/208/240V LOAD CENTERS AND PANELBOARDS. PROVIDE BLACK PHENOLIC NAMEPLATES FOR BREAKERS INSTALLED IN 277/480V PANELS.
- L. SUBMIT SIX (6) COPIES OF SHOP DRAWINGS AND/OR MANUFACTURERS DESCRIPTIVE DATA ON ALL PANELBOARDS, LIGHT FIXTURES, AND WIRING DEVICES FOR APPROVAL WITHIN THIRTY (30) DAYS AFTER AWARD OF CONTRACT. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PREPARED BY HIS SUPPLIERS AND SHALL MARK ALL COPIES AS ACCEPTABLE TO HIM. THE CONTRACTOR'S ACCEPTANCE SHALL INCLUDE CERTIFICATION THAT THE REQUIRED ELECTRICAL CONNECTIONS HAVE BEEN NOTED AND THAT EQUIPMENT CAN BE INSTALLED IN THE SPACE AVAILABLE.
- M. COMMUNICATION EQUIPMENT SHALL BE AS MANUFACTURED BY EMERSON, TYCO, BOURNS, OR CORNING (OR PRIOR APPROVED EQUIVALENT).
- N. STATE BUILDINGS & GROUNDS DEPARTMENT TO PERFORM CONSTRUCTION MANAGEMENT.
- D. FIBER OPTIC EQUIPMENT & CABLING SHALL BE SINGLE-MODE TYPE.
- P. CONTRACTOR SHALL TEST ALL COMMUNICATION CABLES FOR SIGNAL CONTINUITY, ELECTRIC & OPTICAL. CONTRACTOR SHALL GUARANTEE SIGNAL CONTINUITY FOR ALL INSTALLED CABLES.
- Q. INSTALL COPPER & FIBER OPTIC CABLES IN SEPARATE CONDUITS. INSTALL NEW INNER DUCT IN ALL EXISTING CONDUITS WHERE NEW FIBER OPTIC CABLES ARE TO BE INSTALLED. NEW INNER DUCT SHALL INCLUDE CAPACITY SUFFICIENT FOR NEW FIBER OPTIC CABLES & SPARE CELL.

EQUIPMENT SCHEDULE

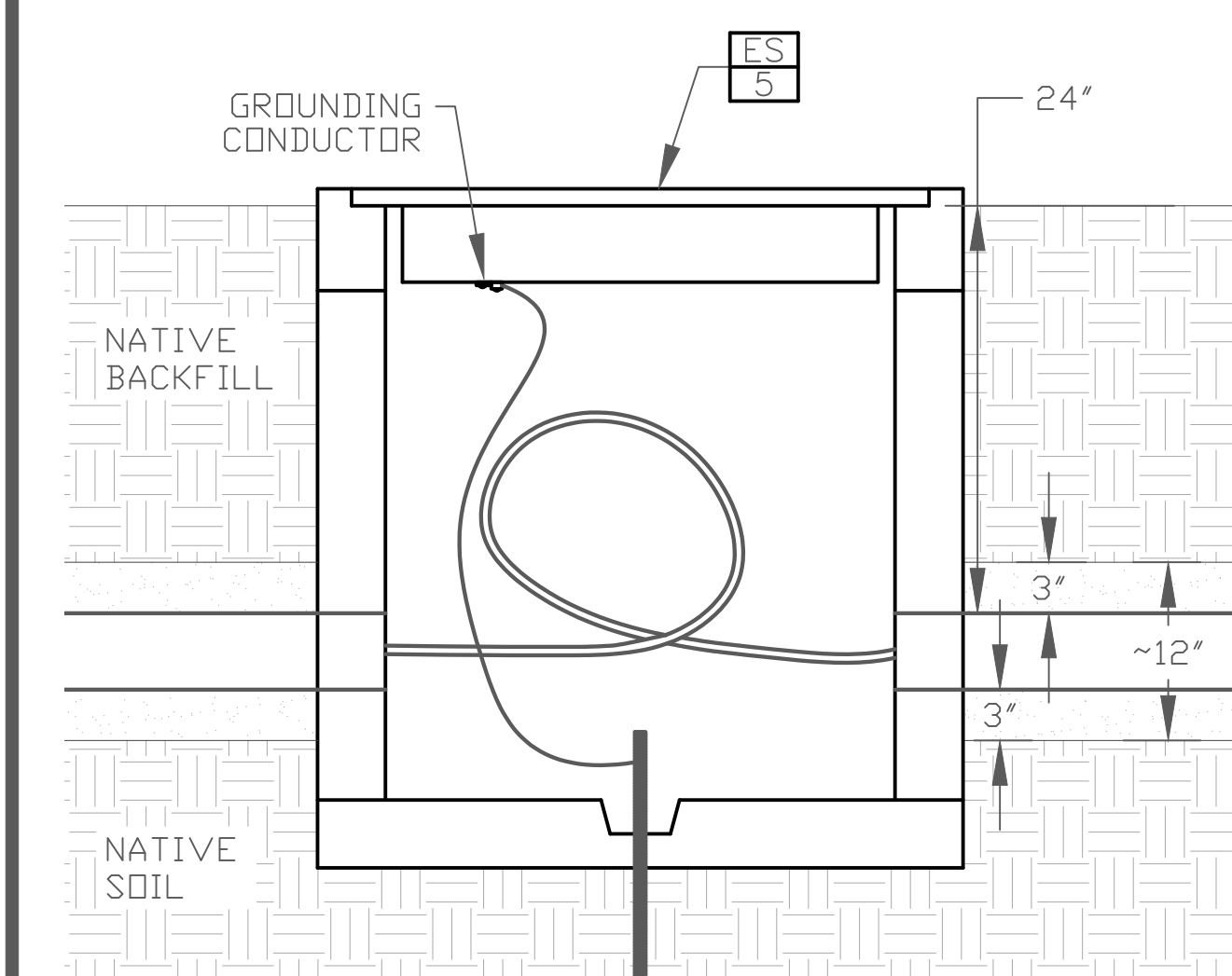
ITEM	QUANTITY	DESCRIPTION
1	14	24"x26"x8"D NEMA-3R COMMUNICATION TERMINATION CABINET WITH 3/4" PLYWOOD BACKBOARD. BENNER-NEWMAN #BN24268W-UL.
2	1	OUTDOOR-RATED 800-PAIR (400-IN, 400-OUT) COPPER WIRE COMMUNICATION SINGLE-ACCESS INTERFACE CABINET WITH RLS DISTRIBUTION BLOCKS INCLUDING GROUND BAR, WEATHER STRIPPING, MOUNTING HARDWARE, LATCHING HANDLE, & SURFACE/PAD-MOUNT KIT. EMERSON #FSERLS800.
3	14	INDOOR-RATED 6-PAIR COPPER-WIRE COMMUNICATION LINE-PROTECTOR CAPABLE OF 24AWG TERMINATIONS WITH QUICK-CLIP BLOCKS, HOUSING, & 1304/CARBON ARRESTER TYPE & GROUND BAR. CIRCA #2606QC/QC
4	1	OUTDOOR RATED FIBER OPTIC SPLICE CABINET INCLUDING GROUND BAR, WEATHER STRIPPING, MOUNTING HARDWARE, LATCHING HANDLE, & SURFACE/PAD-MOUNT KIT WITH EMPTY SPACE FOR FIBER-OPTIC CLOSET CONNECTOR HOUSING PANEL. CHARLES #CMPH-750FN.
5	1	30"x48" INSIDE DIMENSION CONCRETE INTERCEPT PULLBOX WITH H-20 RATED COVER, 12" RISER, AND POURED CONCRETE COLLAR. JENSEN PRECAST #PB3048-I, #CA3048CGH-20, & #RS3048D6.
6	14	INDOOR-RATED 6-PORT FIBER COMMUNICATION PATCH AND SPLICE PANEL.
7	2	FIBER SPLICE ENCLOSURE - REQUIRED STRAND COUNT PER COMMUNICATION DISTRIBUTION DIAGRAM A/E.3.

REMARKS: CONTRACTOR TO COORDINATE EQUIPMENT SCHEDULE QUANTITIES WITH ELECTRICAL DRAWINGS, AWARDED PHASES OF BID SCHEDULE, AND MODIFY AS REQUIRED.

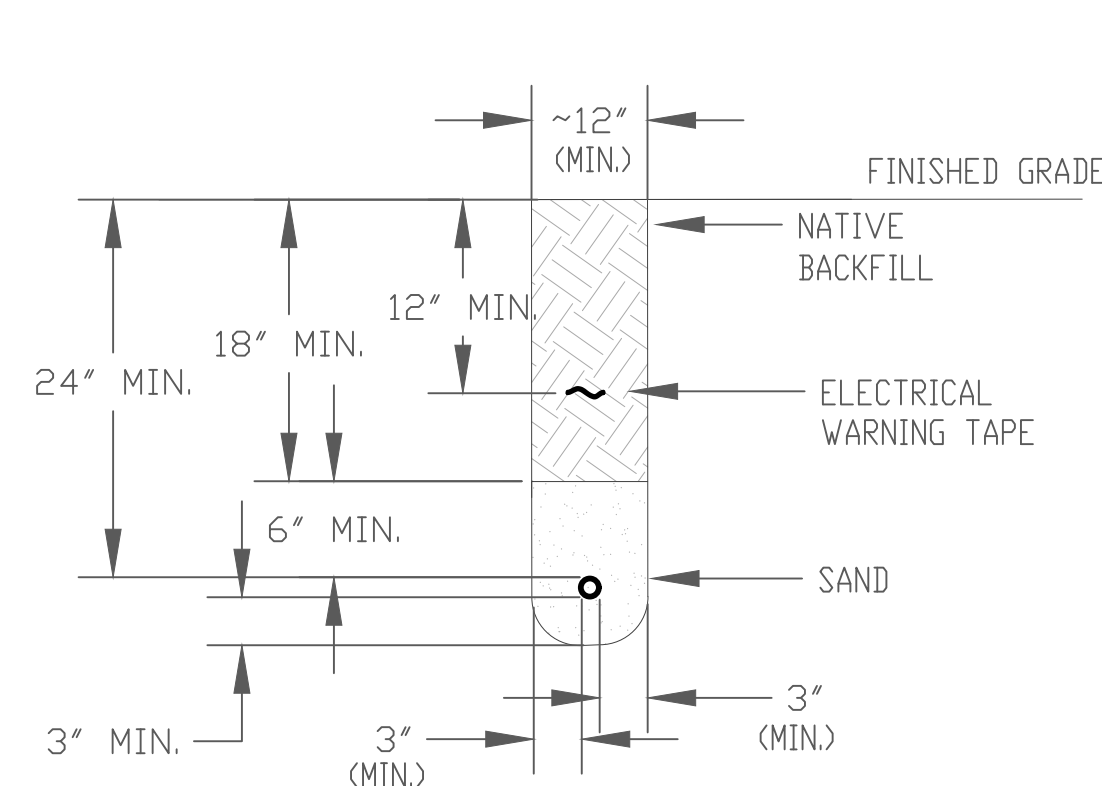


(E) ENLARGED SITE PLAN BUILDING 89
SCALE: 1" = 30'-0"

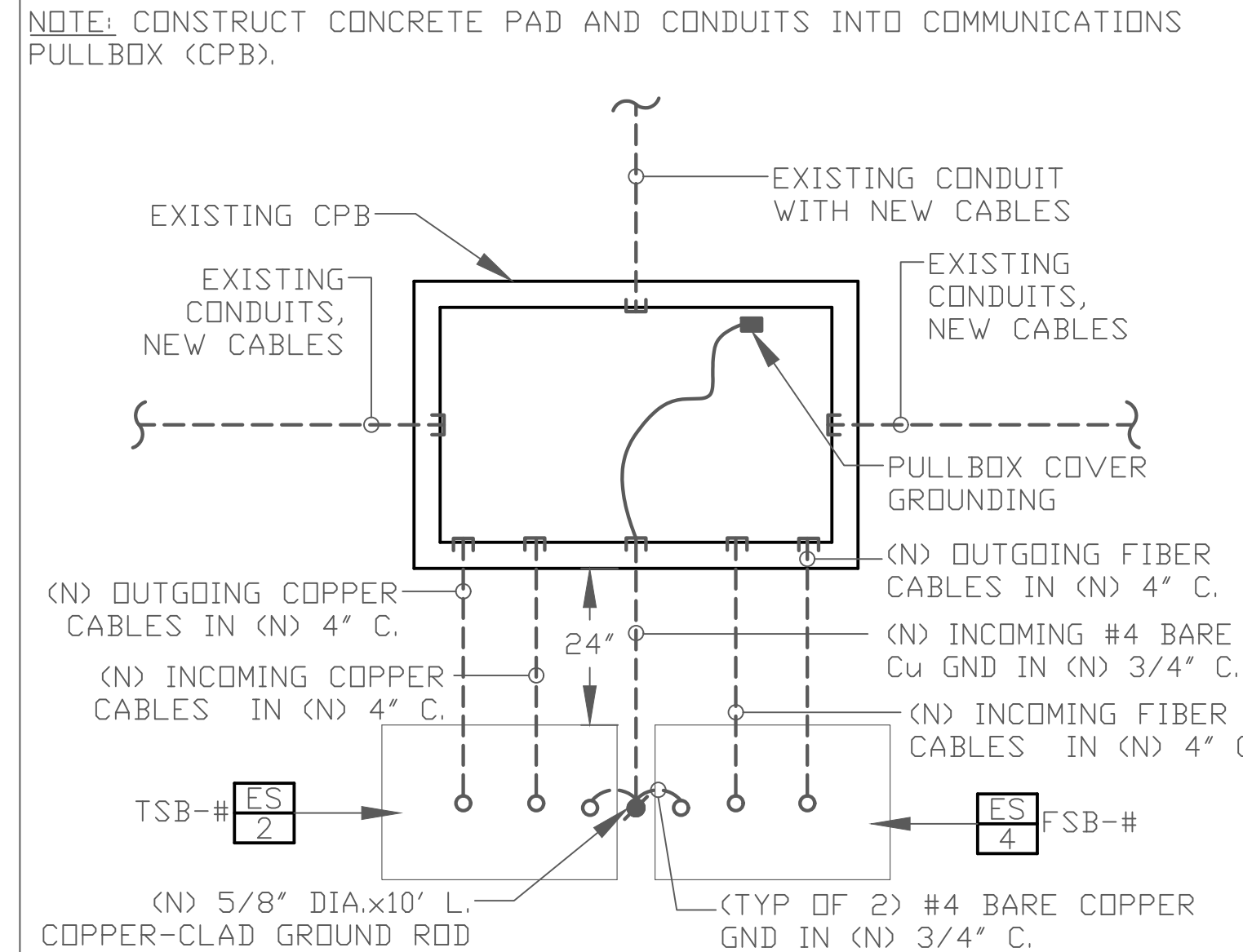
CONCRETE INTERCEPT BOX TO BE INSTALLED IN PREVIOUS LOCATION OF COMMUNICATION POLE AT REAR OF BUILDING-89. ALL EXISTING CONNECTIONS TO POLE TO BE RECONNECTED THROUGH UNDERGROUND PULLBOX. CONNECT COMPLETELY TO BUILDING-89 COMMUNICATION INFRASTRUCTURE WITH (2)-4" U.G.C. WITH 100 PAIR Cu AND (4)-24 FIBER STRANDS AND ADJACENT COMMUNICATIONS PULLBOX. CUT AND PATCH EXISTING ASPHALT/CONCRETE AS NECESSARY.



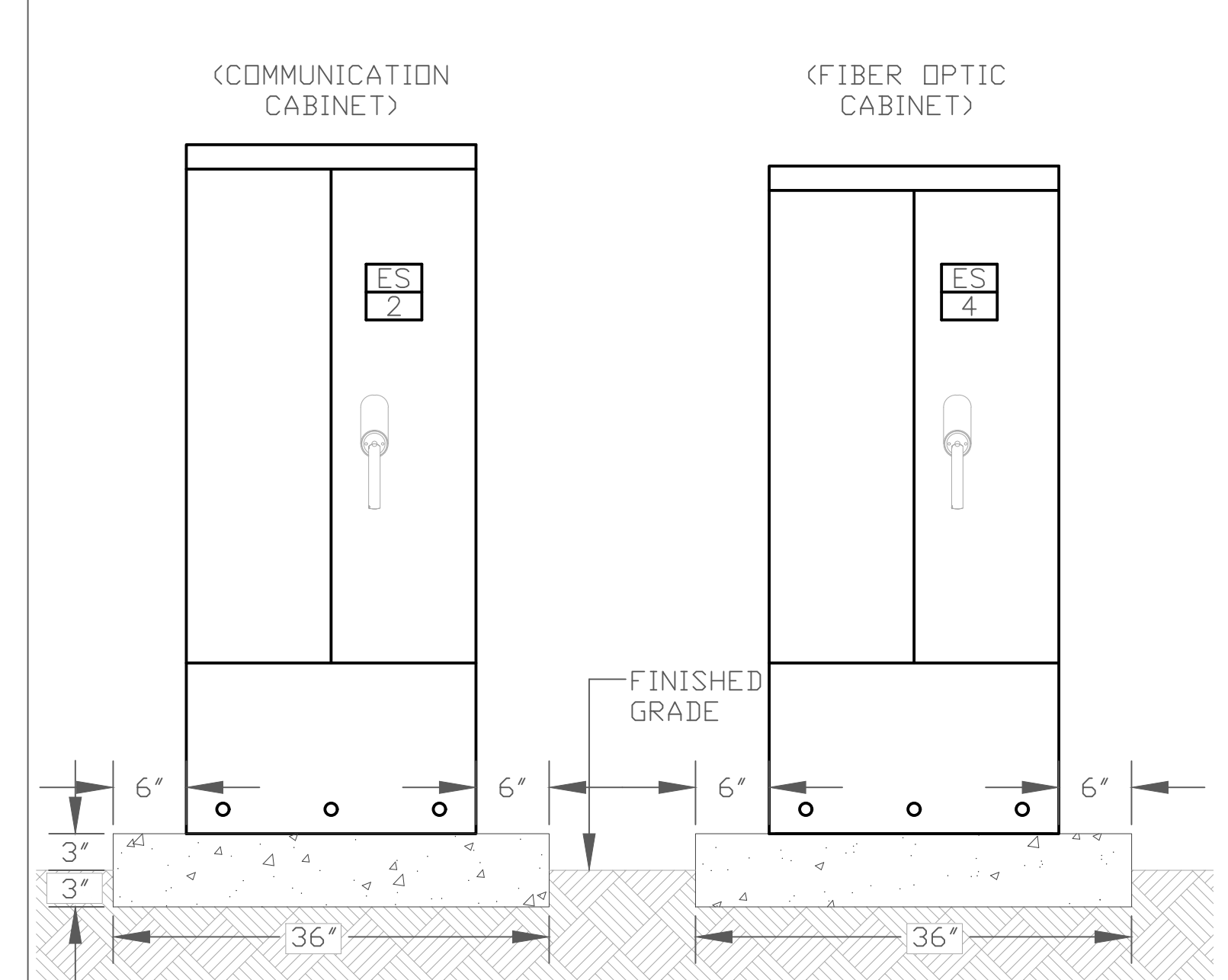
(A) 30"x48" PULLBOX DETAIL
SCALE: 1" = 1'-0"
INSTALL A 5/8"x10'L COPPER-CLAD GROUND ROD IN PULLBOX BOTTOM.
LABEL AND BOND PULL-BOX COVER ACCORDING TO NEC ARTICLE 314.30(D).



(B) TYPICAL TRENCH DETAIL
SCALE: 1" = 1'-0"
MINIMUM TRENCH REQUIREMENTS SHOWN. MODIFY TRENCH WIDTH AS NECESSARY FOR ADDITIONAL CONDUITS. PROVIDE AND INSTALL PULL-LINE IN ALL EMPTY CONDUITS FOR FUTURE CONDUCTOR PULLS. SEE CIVIL SHEETS FOR PAVEMENT PATCH REQUIREMENTS, MATERIALS, & PLACEMENT SPECIFICATIONS FOR BEDDING AND BACKFILL.

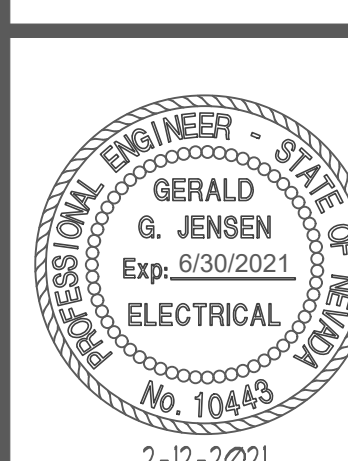


(C) SPLICE BOX DETAIL
SCALE: 1/2" = 1'-0"



(D) PANEL ELEVATIONS
SCALE: 1" = 1'-0"

JENSEN ENGINEERING INC.
Electrical Engineers
1775 S. W. 10th Street
Reno, Nevada 89502-3988
Phone: (775) 852-2288
Fax: (775) 852-3988
www.jenseng.com
email: jenseng@mbell.net



CONFORMED SET

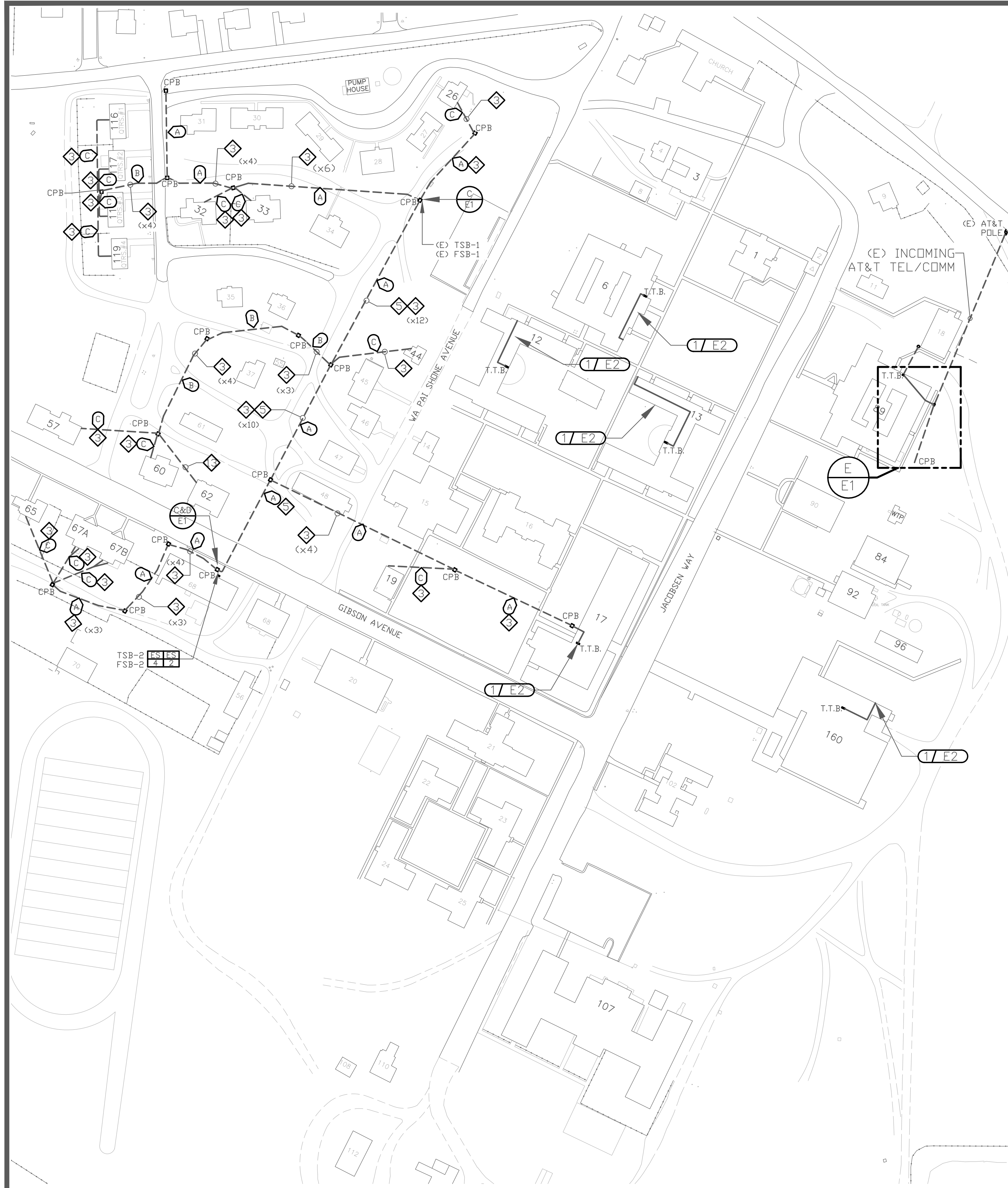
17-M45 COMPLETE COMMUNICATIONS UPGRADE
STEWART FACILITY
5500 SNYDER AVE.
CARSON CITY, NEVADA

LEGEND, REQUIREMENTS, & EQUIPMENT SCHEDULE

REVISIONS	DATE	BY
No.		
DESCRIPTION		

DRAWN BY: MJJ
DESIGNED BY: MJJ
CHECKED: GGJ
DATE: 4-15-2020
PROJECT NO: G1718CF

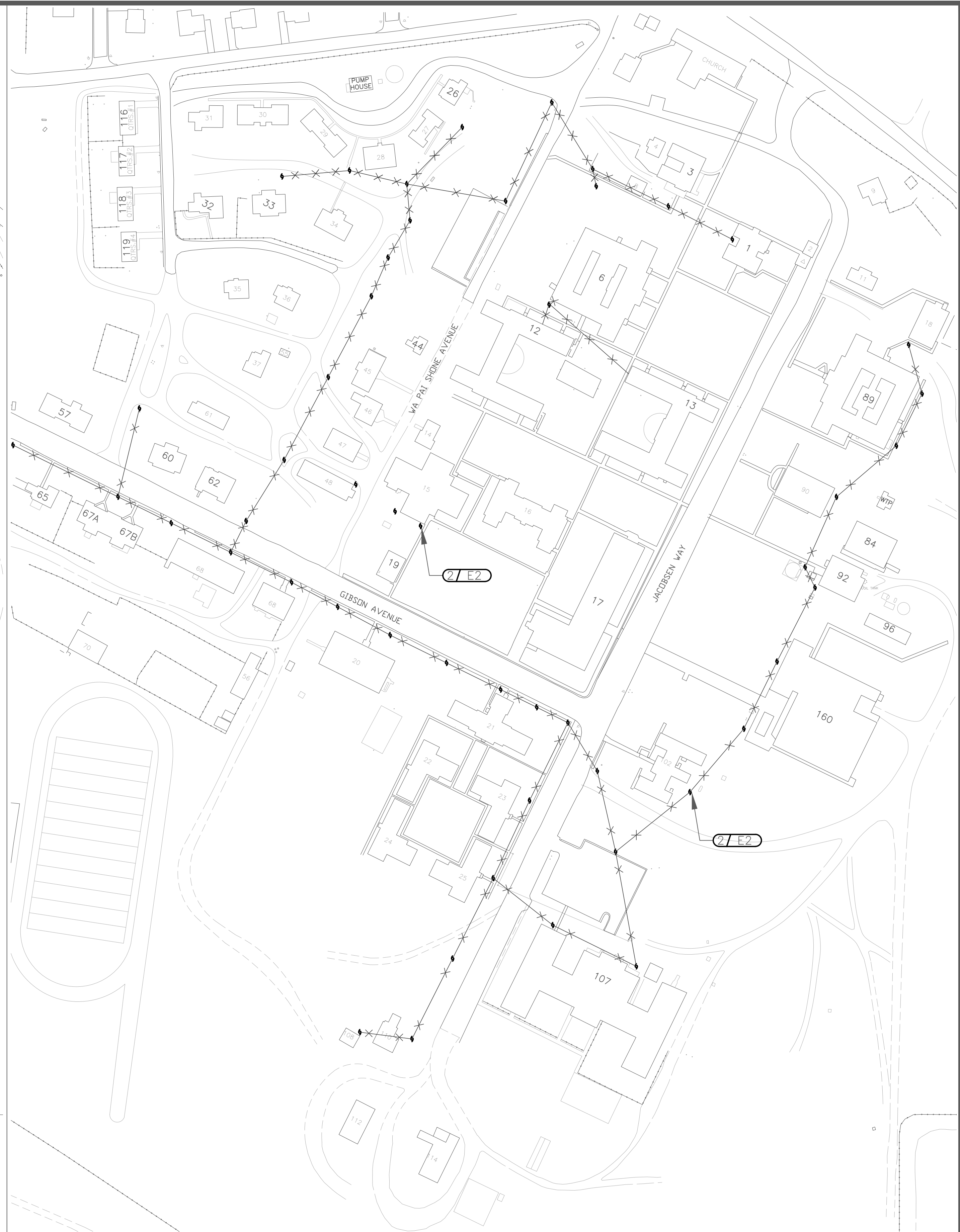
SHEET NUMBER
E1
SHEET 2 OF 4



A STEWART CAMPUS COMMUNICATION PLAN
 SCALE: 1" = 120'-0"

1/E2 CONTRACTOR SHALL EXTEND EXISTING 6-PAIR COPPER WIRING ((2)-DEDICATED LINES AND SPARE) AND PROVIDE OPERATIONAL TELEPHONE COMMUNICATION CONNECTION FROM EXISTING EXTERIOR COMMUNICATION CABINET TO EXISTING T.T.B AT BUILDINGS: 12, 13, 17, 160 FOR FACP MONITORING. EXTENSION OF TELECOM WIRING INTO BUILDINGS SHALL BE OVERHEAD IN 1/2" TYPE EMT CONDUIT (SURFACE OR CONCEALED IN ATTIC SPACE AS SHOWN).

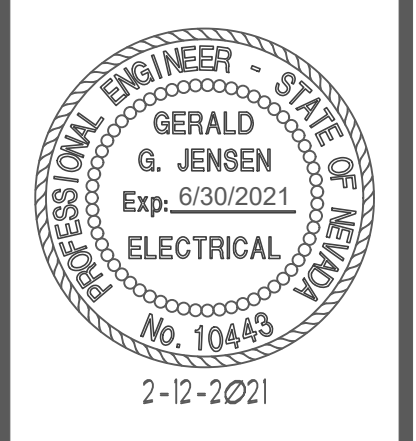
BASED ON THE PROPOSED SCOPE OF WORK, THE AMOUNT OF BUILDING MATERIALS THAT WILL BE IMPACTED WILL BE LESS THAN REPORTABLE QUANTITY FOR BOTH LEAD AND ASBESTOS. THIS IS CONSIDERED ROUTINE MAINTENANCE THEREFORE THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO LIMIT THE GENERATION OF DUST, BUT NO OTHER CONTROLS ARE NECESSARY FOR THIS LIMITED WORK.



B STEWART CAMPUS COMMUNICATION DEMOLITION PLAN
 SCALE: 1" = 120'-0"

2/E2 REMOVE AND RETIRE ALL EXISTING COMMUNICATION WIRING & POLES THAT ARE MADE OBSOLETE BY THE MODIFICATIONS MADE DURING THIS PROJECT. ALL ABANDONED POLES SHALL BE SAWED OFF AT 2' BELOW GRADE & REMOVED FROM THE SITE. ALL ABANDONED OVERHEAD COMMUNICATIONS WIRING SHALL BE REMOVED FROM THE SITE.

JENSEN ENGINEERING INC.
 Electrical Engineers
 1825 W. WADSWORTH AVENUE
 RENO, NEVADA 89507-1505
 PHONE (775) 852-2288 FAX (775) 852-3388
 email: jengeng@nvcbell.net web: www.jeneng.com



CONFORMED SET

**17-M45 COMPLETE COMMUNICATIONS UPGRADE
 STEWART FACILITY
 5500 SNYDER AVE.
 CARSON CITY, NEVADA**

OVERALL SITE PLAN

REVISIONS	DESCRIPTION	DATE	BY
No.			
1			
2			
3			
4			
5			

DRAWN BY: MJJ
 DESIGNED BY: MJJ
 CHECKED: GGJ
 DATE: 4-15-2020
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SHEET NUMBER

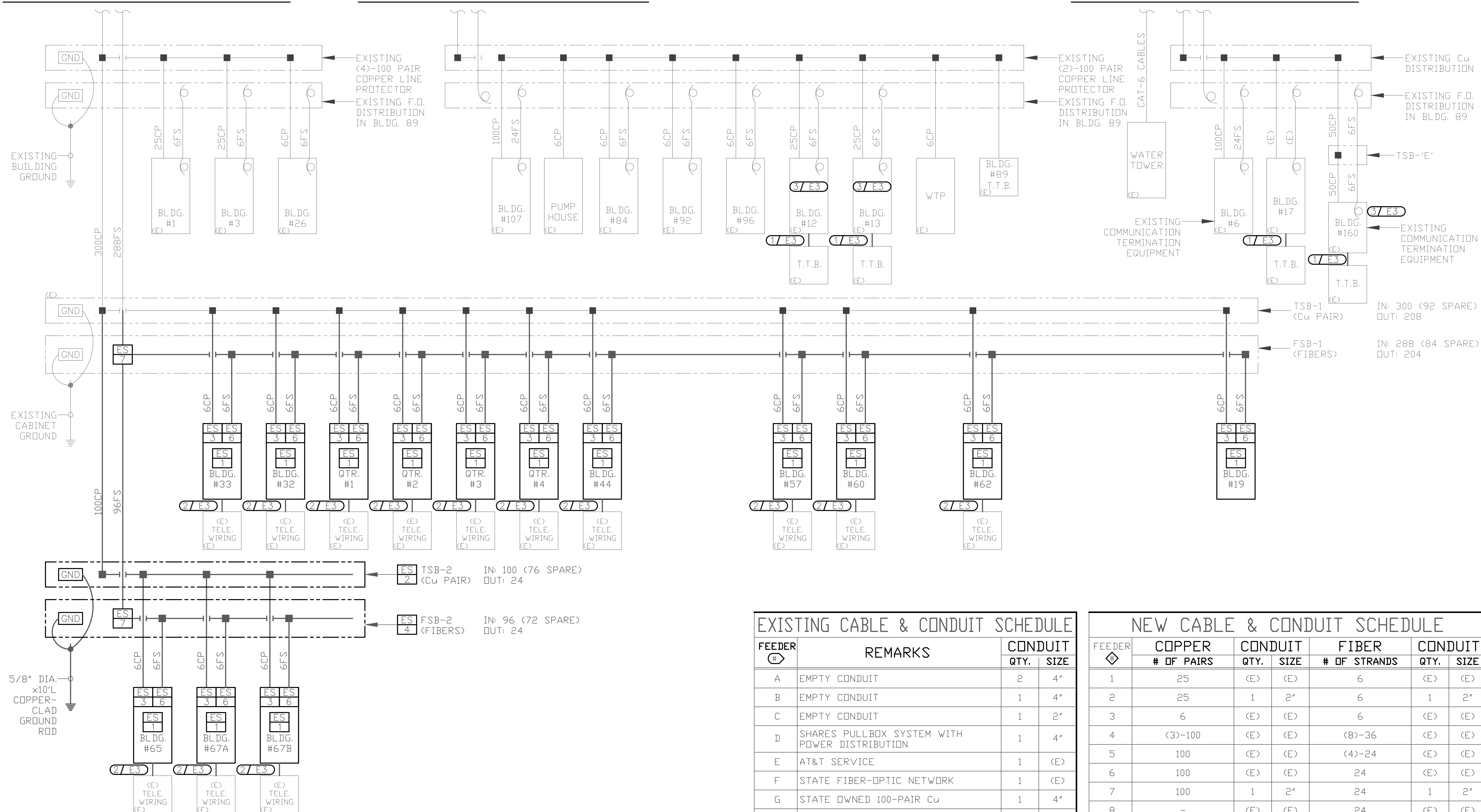
E2

SHEET 3 OF 4

TO EXISTING STATE OWNED DISTRIBUTION IN BLDG. 89

TO EXISTING STATE OWNED DISTRIBUTION IN BLDG. 89

TO EXISTING STATE OWNED DISTRIBUTION IN BLDG. 89



A COMMUNICATION DISTRIBUTION DIAGRAM
SCALE: NONE

INSTALL LINE PROTECTOR EQUIPMENT WITHIN EITHER EXISTING COMMUNICATION ROOM OR WITHIN BUILDING-MOUNTED OUTDOOR COMMUNICATION CABINET. TERMINATE COPPER CONDUCTORS ON LINE PROTECTOR.

COIL 10-FEET OF FIBER CABLE IN COMMUNICATION TERMINATION CABINET(S) & SPLICE BOXES.

- 1/E3** CONTRACTOR SHALL EXTEND EXISTING 6-PAIR COPPER WIRING (2)-DEDICATED LINES AND SPARE) AND PROVIDE OPERATIONAL TELEPHONE COMMUNICATION CONNECTION FROM EXISTING EXTERIOR COMMUNICATION CABINET TO EXISTING T.T.B AT BUILDINGS 12, 13, 17, 160 FOR FACP MONITORING. EXTENSION OF TELECOM WIRING INTO BUILDINGS SHALL BE OVERHEAD IN 1/2" TYPE EMT CONDUIT (SURFACE OR CONCEALED IN ATTIC SPACE AS SHOWN).
- 2/E3** TERMINATE COPPER COMMUNICATION CABLES IN NEW TERMINATION CABINET AT THIS BUILDING. EXTEND NEW OPERATIONAL COPPER TELEPHONE WIRING FROM NEW TERMINATION CABINET TO EXISTING PREMISES WIRING IN THIS BUILDING (OVERHEAD IN CONDUIT). NEW COPPER COMMUNICATION WIRING SHALL BE MADE OPERATIONAL FROM BUILDING 89 AND ANY EXISTING FIRE ALARM MONITORING AND PREMISES TELEPHONE WIRING SHALL BE TRANSFERRED TO THE NEW COPPER WIRING. PROVIDE ALL NECESSARY TESTING AND TAGGING FOR RECONNECTION OF FIRE ALARM CONTROL PANEL TO TWO COMMUNICATIONS LINES.
- 3/E3** TERMINATE COPPER CABLES AT THIS BUILDING. COPPER WIRING SHALL BE TERMINATED ON NEW 66 BLOCK IN EXISTING EXTERIOR TELEPHONE TERMINAL CABINETS AND 6-PAIR EXTENDED OVERHEAD IN 1/2" EMT CONDUIT TO NEW 66 BLOCK IN PREMISES. NEW COPPER COMMUNICATION WIRING SHALL BE MADE OPERATIONAL FROM BUILDING 89 AND THE EXISTING FIRE ALARM CONTROL PANEL MONITORING SHALL BE TRANSFERRED TO THE NEW UNDERGROUND COPPER WIRING. PROVIDE ALL NECESSARY TESTING AND TAGGING FOR RECONNECTION OF FIRE ALARM CONTROL PANEL TO TWO COMMUNICATIONS LINES.

EXISTING CABLE & CONDUIT SCHEDULE

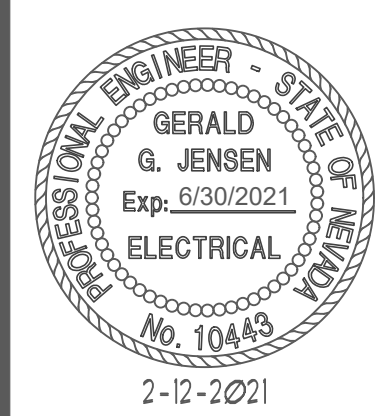
FEEDER	REMARKS	CONDUIT	
		QTY.	SIZE
A	EMPTY CONDUIT	2	4"
B	EMPTY CONDUIT	1	4"
C	EMPTY CONDUIT	1	2"
D	SHARES PULLBOX SYSTEM WITH POWER DISTRIBUTION	1	4"
E	AT&T SERVICE	1	(E)
F	STATE FIBER-OPTIC NETWORK	1	(E)
G	STATE OWNED 100-PAIR Cu	1	4"
H	EXISTING COMMUNICATION CONDUIT	1	(E)
I	12-SINGLE, 12-MULTI, 100-PAIR Cu	2	4"
J	ABANDON IN PLACE 50-PAIR CABLE	1	4"
K	REMOVE (E) 50-PAIR CABLE & RE-USE CONDUIT	1	4"
L	EXISTING 50-PAIR CABLE	1	(E)

NEW CABLE & CONDUIT SCHEDULE

FEEDER	COPPER # OF PAIRS	CONDUIT		FIBER # OF STRANDS	CONDUIT	
		QTY.	SIZE		QTY.	SIZE
1	25	(E)	(E)	6	(E)	(E)
2	25	1	2"	6	1	2"
3	6	(E)	(E)	6	(E)	(E)
4	(3)-100	(E)	(E)	(8)-36	(E)	(E)
5	100	(E)	(E)	(4)-24	(E)	(E)
6	100	(E)	(E)	24	(E)	(E)
7	100	1	2"	24	1	2"
8	-	(E)	(E)	24	(E)	(E)
9	-	(E)	(E)	6	(E)	(E)
10	6	(E)	(E)	-	(E)	(E)
11	CAT-6 CABLE	1	4"	-	1	4"
12	6	1	4"	-	1	4"
13	6	1	2"	6	1	2"
14	50	(E)	(E)	6	(E)	(E)
15	50	(E)	(E)	6	1	4"
16	100	1	4"	24	1	4"

B CABLE & CONDUIT SCHEDULES
SCALE: NONE

JENSEN ENGINEERING INC.
Electrical Engineers
Reno, Nevada 89502-3988
Phone: (775) 852-2288 Fax: (775) 852-3988
email: jenseng@nvcbell.net web: www.jenseng.com



CONFORMED SET

17-M45 COMPLETE COMMUNICATIONS UPGRADE
STEWART FACILITY
5500 SNYDER AVE.
CARSON CITY, NEVADA

COMMUNICATION DISTRIBUTION DIAGRAM & SCHEDULES

REVISIONS

No.	DESCRIPTION	DATE	BY

DRAWN BY: MJJ
DESIGNED BY: MJJ
CHECKED: GGJ
DATE: 4-15-2020
PROJECT NO: G1718CF

SHEET NUMBER

E3

SHEET 4 OF 4