

Notice of Meeting of the ***Lindon City Council – Special Meeting***



The Lindon City Council will hold a special meeting at **8:15 am on Thursday, August 24, 2023** in the Lindon City Center Upstairs Conference Room, 100 North State Street, Lindon, Utah. The agenda will consist of the following:

Scan or click here for link to download agenda & staff report materials:



(Review times are estimates only)

1. **Review & Action** — The City Council will review and consider awarding to the low bidder, COP Construction, the project connecting the Lindon Secondary Water system on 400 North to the Provo River Aqueduct (PRA).

Adjourn

All or a portion of this meeting may be held electronically to allow a council member to participate by video conference or teleconference. Staff Reports and application materials for the agenda items above are available for review at the Lindon City Offices, located at 100 N. State Street, Lindon, UT. For specific questions on agenda items our staff may be contacted directly at (801)785-5043. City Codes and ordinances are available on the City web site found at www.lindoncity.org. The City of Lindon, in compliance with the Americans with Disabilities Act, provides accommodations and auxiliary communicative aids and services for all those citizens in need of assistance. Persons requesting these accommodations for city-sponsored public meetings, services programs or events should call Kathryn Moosman, City Recorder at 801-300-8437, giving at least 24 hours-notice.

CERTIFICATE OF POSTING:

I certify that the above notice and agenda was posted in six public places within the Lindon City limits and on the State (<http://pmn.utah.gov>) and City (www.lindoncity.org) websites.

Posted by: /s/ Kathryn Moosman, City Recorder

Date: August 22, 2023; Time: 1:30 p.m.; Place: Lindon City Center, Lindon Police Dept., Lindon Community Development, Lindon Public Works, Lindon Community Center, Lindon Justice Court

Special Meeting: August 24, 2023

1. **Review & Action** — The City Council will review and consider awarding to the low bidder, COP Construction, the project connecting the Lindon Secondary Water system on 400 North to the Provo River Aqueduct (PRA).

See attached information from the City Engineer, Noah Gordon.

Please note that in the FY2023-24 budget this project was approved, but that we did not at the time of the budget preparation know the final engineering estimate for the project. Some funds will need to be transferred from a capital improvement project fund (savings for the future culinary well) into this project under the Water fund, and from the Water Fund Balance. These funds can be transferred after a public hearing is held during our October budget amendment. A summary of these amounts is as follows:

\$780,000	=	Current budgeted funds for this project (approved in FY2023-24 budget)
\$455,000	=	Amount to be transferred from the Water Fund Balance
<u>\$500,000</u>	=	Amount to be transferred from Capital Improvement Project fund for new well
\$1,735,000	=	New PRA connection budget.

The city previously purchased the pipe for this project, so this amount will cover the bid for construction (~ \$1,648,000) plus the cost of the pipe the city purchased and the cost of engineering for the project (~ \$87,000).

Public Works is applying for two grants to help offset costs of this project and potentially assist with the culinary well and/or other upcoming water projects.

Staff recommends awarding this project as presented.

Sample Motion: I move to award the PRA Turnout project bid to COP Construction in the amount of \$1,647,940 and direct city staff to prepare budget amendments as suggested for consideration in the October 2023 budget amendment hearing.

From: [Noah Gordon](#)
To: [Adam Cowie](#)
Cc: [Juan Garrido](#)
Subject: PRA Turnout Bid Results
Date: Tuesday, August 22, 2023 2:45:31 PM
Attachments: [Selected Sheets from - Lindon 400 N PRA Turnout Plans.pdf](#)
[Lindon 400N PRA Turnout - Bid Summary.pdf](#)
[Notice of Award - Lindon 400 N PRA Turnout.pdf](#)

Adam,

Last Thursday, 17 August 2023, sealed bids were opened and read aloud for the Lindon PRA Turnout project. Two bids were received:

- COP Construction = \$1,647,940
- Vancon Construction = \$2,187,000
- (Engineer's Estimate = \$1,640,000)

Attached are the following documents:

- Selected sheets from the plan set for the project.
- A bid summary showing the engineer's estimate of probable cost and the two (2) bids received for the project.
- The Notice of Award for the project.

The bids have been tabulated and **we recommend that the project be awarded to the lowest bidder, COP Construction.** *If the City Council accepts this recommendation, please have Mayor Lundberg sign the attached Notice of Award and then return the original to me so that we can include copies of it in the executed bidding documents.*

Please let me know if you need any additional information.

Noah D. Gordon, P.E.

City Engineer, Lindon City
946 West Center St, Lindon, UT 84042
Phone: 801-796-7954
E-mail: ngordon@lindoncity.org
www.lindoncity.org

Lindon
400 N PRA Turnout Project
Bid Summary
8/17/2023



				Engineer's Estimate		COP Construction		VanCon	
ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT
1	Mobilization	LS	1	\$ 70,000	\$ 70,000	\$ 300,000	\$ 300,000	\$ 315,000	\$ 315,000
2	Construction Surveying	LS	1	\$ 15,000	\$ 15,000	\$ 11,000	\$ 11,000	\$ 20,000	\$ 20,000
3	SWPPP (none required by City, some required by PRUWA)	LS	1	\$ 8,000	\$ 8,000	\$ 32,000	\$ 32,000	\$ 30,000	\$ 30,000
4	Testing Agency Services	LS	1	\$ -	\$ -	\$ 27,000	\$ 27,000	\$ 20,000	\$ 20,000
5	Traffic Control	LS	1	\$ 15,000	\$ 15,000	\$ 32,000	\$ 32,000	\$ 40,000	\$ 40,000
6	20" WSP PRA Outlet, Linings, Coatings	LS	1	\$ 68,000	\$ 68,000	\$ 93,000	\$ 93,000	\$ 120,000	\$ 120,000
7	20" WSP, Piping, Valves, Meter (Sta 10+77 to 11+16 BFV)	LS	1	\$ 85,800	\$ 86,000	\$ 160,000	\$ 160,000	\$ 265,000	\$ 265,000
8A	Conc Vault, Appurtenances, Grading	LS	1	\$ 250,000	\$ 250,000	\$ 203,000	\$ 203,000	\$ 300,000	\$ 300,000
8B	Elec, Controls, SCADA, FO + RMP Elec (X-ing Rd, PP-2)	LS	1	\$ 200,000	\$ 200,000	\$ 139,000	\$ 139,000	\$ 290,000	\$ 290,000
8C	RMP Work: Elec Service / Meter (WO #7982583)	LS	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8D	Revegetate within PRA ROW	LS	1	\$ 7,000	\$ 7,000	\$ 11,000	\$ 11,000	\$ 10,000	\$ 10,000
9	Sta 10+26+/- 3"/4" Vent (see items 16)	LS	1	\$ 12,000	\$ 12,000	\$ 35,000	\$ 35,000	\$ 15,000	\$ 15,000
10	Sta 1+30+/- 24" Connection to Canal	LS	1	\$ 24,000	\$ 24,000	\$ 55,000	\$ 55,000	\$ 70,000	\$ 70,000
11	6'x4' Precast Energy Dissipator Vault	LS	1	\$ 26,000	\$ 26,000	\$ 77,000	\$ 77,000	\$ 75,000	\$ 75,000
12	Restore Asphalt (T patch) and Concrete	LF	940	\$ 80	\$ 76,000	\$ 86	\$ 80,840	\$ 125	\$ 117,500
13	Restore Sidewalk & Cub & Gutter	LF	15	\$ 1,000	\$ 15,000	\$ 940	\$ 14,100	\$ 800	\$ 12,000
14	Startup Testing	LS	1	\$ 25,000	\$ 25,000	\$ 17,000	\$ 17,000	\$ 12,500	\$ 12,500
15	Install HDPE Pipe & Fittings (piping listed in Item 16)	LF	950	\$ 615	\$ 585,000	\$ 380	\$ 361,000	\$ 500	\$ 475,000
Engineer's Estimate					\$ 1,490,000				
Contingency and Unknowns: 10%					\$ 150,000				
Sub-Total Construction					\$ 1,640,000	\$ 1,647,940		\$ 2,187,000	

Previously Encumbered Funds

16	City-purchased HDPE pipe materials for Contractor to install	LS	1	\$ 49,042	\$ 49,042	\$ 49,042	\$ 49,042	\$ 49,042	\$ 49,042
17	HAL Engineering	LS	1	\$ 104,000	\$ 104,000	\$ 104,000	\$ 104,000	\$ 104,000	\$ 104,000
Sub-Total Encumbered Funds					\$ 153,042	\$ 153,042		\$ 153,042	

TOTAL PROJECT COST					\$ 1,793,042	\$ 1,800,982		\$ 2,340,042	
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PROVO RIVER WATER USERS ASSOCIATION

LINDON 400 NORTH PRA TURNOUT

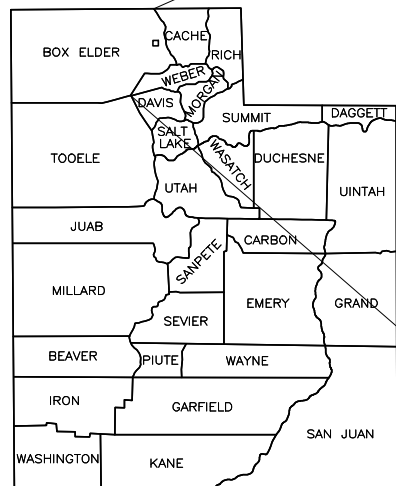
VOLUME 2 - DRAWINGS

AUGUST 2023

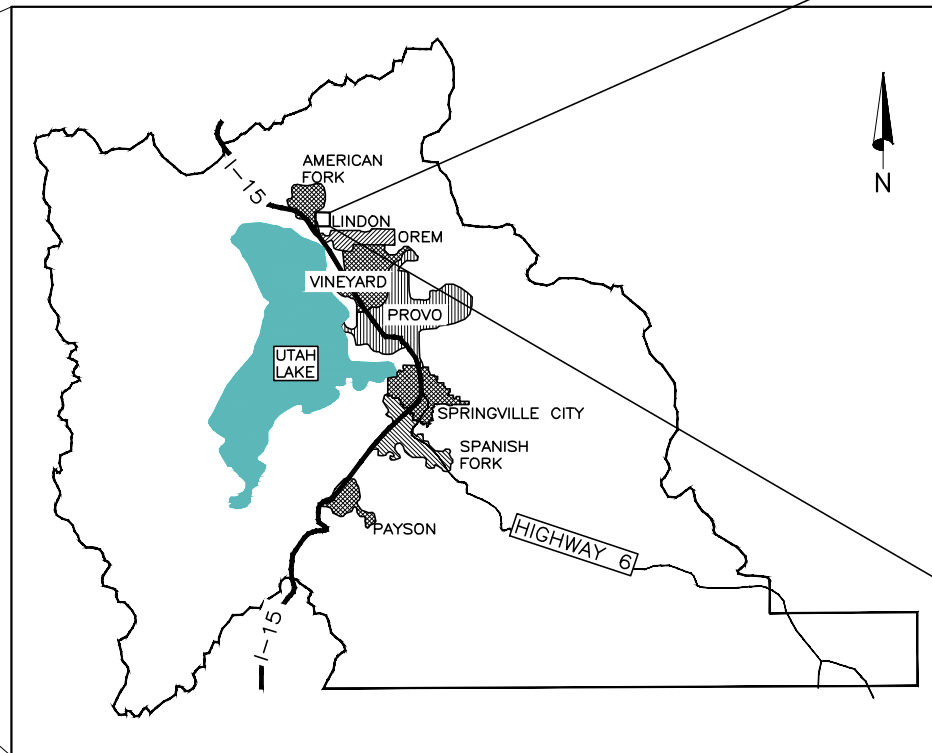


**PROVO RIVER
WATER USERS
ASSOCIATION**

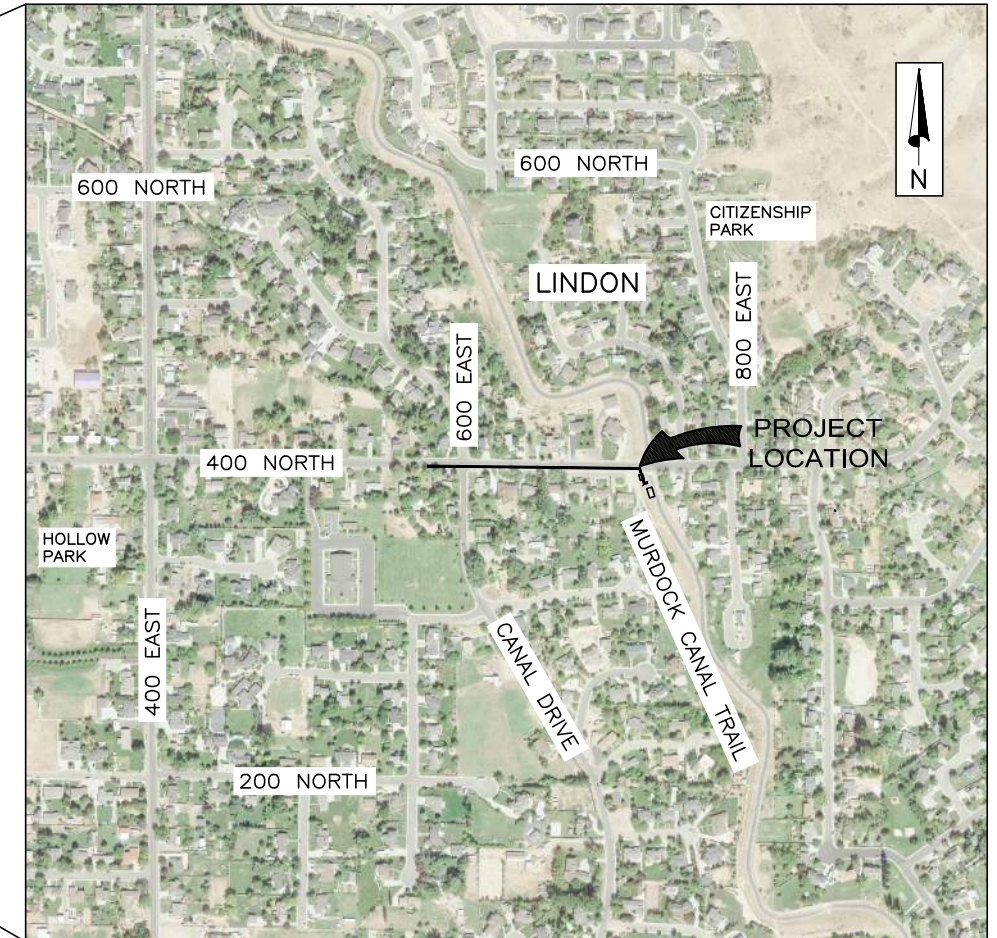
LINDON



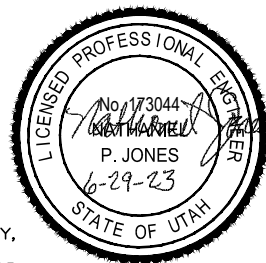
STATE OF UTAH



UTAH COUNTY



PROJECT LOCATION



HANSEN, ALLEN & LUCE DESIGN TEAM

TYLER G. ALLEN, P.E. PMP – PRINCIPAL IN CHARGE
 BRIAN J. ANDREW, P.E. – PROJECT MANAGER
 NATHANIEL P. JONES, P.E. – PROJECT ENGINEER

ROBERT C. CONDER, S.E., P.E. – STRUCTURAL ENGINEER
 (CONDER ENGINEERING)

KEITH B. HEGERHORST, P.E. – ELECTRICAL ENGINEER
 (HPE, INC. ELECTRICAL ENGINEERS)

PRWUA

DAVE FAUX, P.E. – OPERATIONS MANAGER

LINDON CITY

JUAN GARRIDO – PUBLIC WORKS DIRECTOR



859 W. SOUTH JORDAN PKWY,
 STE. 200
 SOUTH JORDAN, UTAH 84095
 (801) 566-5599

PROGRESS PRINT
 DATE: 6.1.2023
 Not to be used for construction.
 Hansen, Allen, & Luce, Inc.
 Consultants/Engineers

GENERAL NOTES

- CONTRACTOR SHALL MEET ALL UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY AND U.S. EPA REQUIREMENTS.
- TRAFFIC CONTROL SHALL BE PROVIDED DURING CONSTRUCTION. TRAFFIC CONTROL SHALL COMPLY WITH APPLICABLE STATE AND LOCAL REQUIREMENTS.
- UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, INCLUDING WATER LINES, IRRIGATION LINES, GAS LINES, TELECOMMUNICATIONS CABLES, ETC. AND ANY OTHER OBSTRUCTION DURING THE COURSE OF CONSTRUCTION AND INSTALLATION OF THE PIPELINES. CONTRACTOR SHALL CALL BLUE STAKES (811) BEFORE BEGINNING CONSTRUCTION. UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THEIR ORIGINAL CONDITION.
- CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN RIGHT OF INGRESS AND EGRESS SHOULD HE VENTURE ONTO PRIVATE PROPERTY WHICH IS NOT INCLUDED IN APPROVED RIGHTS-OF-WAY AND EASEMENTS.
- UNLESS DETAILED, SPECIFIED OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS OR IN SPECIFIC DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING IMPROVEMENTS DURING CONSTRUCTION AND SHALL REPLACE OR RESTORE ANY IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION ACTIVITY, AS DIRECTED BY ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL POT HOLE UTILITIES AT ALL CROSSINGS SUFFICIENTLY IN ADVANCE OF LAYING PIPE TO ALLOW FOR ADJUSTMENTS OF NEW PIPELINE GRADE TO AVOID CONFLICT DEFLECT PIPE TO MINIMIZE RELOCATING SERVICE LINES, SEE PP-1 & PP-2.
- CONTRACTOR SHALL REPLACE SURVEY MONUMENTS DAMAGED DURING CONSTRUCTION. SURVEY MONUMENTS TO BE REPLACED BY A REGISTERED, LICENSED LAND SURVEYOR.
- DIMENSIONS SHOWN ARE TO THE CENTER OF THE PIPELINE UNLESS OTHERWISE NOTED.
- DISTANCES SHOWN ALONG PIPELINES ARE HORIZONTAL DISTANCES AND NOT ACTUAL PIPE LENGTHS. MORE PIPE MAY BE REQUIRED TO COMPLETE CONSTRUCTION THAN IS DIMENSIONED IN THE PLANS.
- CONTRACTOR IS REQUIRED TO HAVE A SET OF APPROVED PLANS ON THE SITE AT ALL TIMES.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATER NECESSARY FOR DUST ABATEMENT, COMPACTION, ETC.
- ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE TRANSPORTATION AGENCY AND SHALL MEET THE REQUIREMENTS OF THAT AGENCY AND THE REQUIREMENTS OF ANY RIGHT-OF-WAY OR SPECIAL USE PERMITS.
- CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONS NECESSARY TO INSURE THAT NO STORM WATER/SEDIMENT AND/OR CONSTRUCTION DEBRIS ARE RELEASED FROM THE SITE. ANY RELEASES SHALL BE CLEANED AND MITIGATED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACCESS AND RELATED TRAFFIC CONTROL WITH THE OWNER. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE OWNER.
- CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION PREVENTION PLAN. IF REQUIRED BY LOCAL OR STATE AUTHORITIES.

WATER PIPELINE NOTES

- CONTACT LINDON CITY AT LEAST 72 HOURS BEFORE ALL REQUIRED WATER SHUTDOWNS.
- THE CONTRACTOR SHALL PROVIDE ADDITIONAL TEMPORARY BLOW OFF VALVES & FITTINGS AS NEEDED TO FLUSH & DISINFECT NEW WATERLINES. THE CONTRACTOR SHALL PROVIDE A DISINFECTION PLAN TO LINDON CITY FOR APPROVAL BEFORE BEGINNING CONSTRUCTION. TEMPORARY BLOW OFF & FITTINGS SHALL BE REMOVED PRIOR TO PUTTING THE NEW LINE INTO SERVICE.
- MINIMUM COVER OVER TOP OF PIPE SHALL BE 3- FEET, UNLESS A DEPTH INDICATED WITH A SPECIFIC SLOPE IS SHOWN OTHERWISE.
- WAX TAPE COAT BURIED VALVES AND FLANGES PER SPECIFICATIONS AND AWWA C217.
- TO PREVENT DIFFERENTIAL SETTLEMENT AND PIPE SHEAR, WHERE PIPES EXIT STRUCTURES, COMPACT SOILS BELOW PIPE (UP TO SPRINGLINE) TO 96% (ASTM D-1557 MODIFIED PROCTOR).

STRUCTURAL NOTES

SEE STRUCTURAL NOTES ON SHEET S-1



SURVEY CONTROL

STATE PLANE COORDINATES FOR SURVEY CONTROL

POINT NO.	DESCRIPTION	NORTHING	EASTING	LABEL	ELEVATION
506	CONTROL	7,294,537.986	1,584,503.721	AT 9	4,808.36
101	CONTROL	7,293,024.08	1,580,357.59	T5SR2E34WQ	4,686.039
102	CONTROL	7,295,691.232	1,580,350.65	T5SR2E34NW	4,707.427

FILE NAME: PROJECTS\440 - LINDON\09.100 - 400N PRA TURNOUT CONNECTION\CAD\G-3 GENERAL NOTES & SURVEY CONTROL.DWG
FILE DATE: 6.2.2023 12:12:40 (MAJ)

PROGRESS PRINT
DATE: 6.2.2023
Not to be used for construction
Hansen, Allen, & Luce, Inc.
Consultants/Engineers



DESIGNED	NPU	3
DRAFTED	MAJ	2
CHECKED	TGA	1
DATE	JUNE 2023	NO.

NO.	DATE	REVISIONS	BY	APVD.

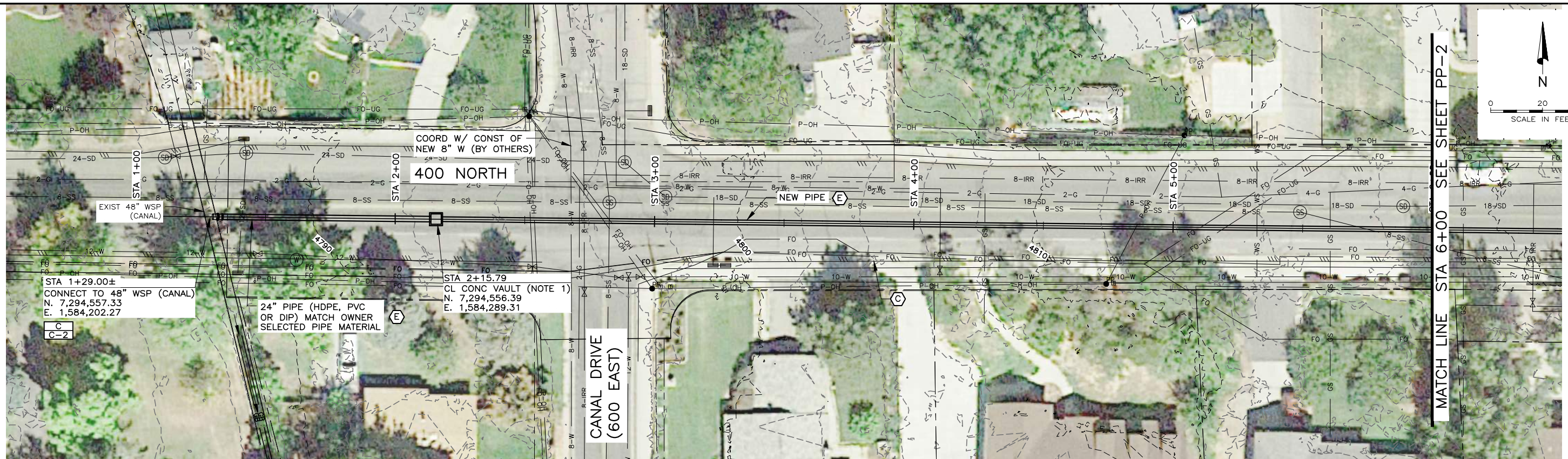
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NONE



LINDON

LINDON 400 NORTH PRA TURNOUT
GENERAL
GENERAL NOTES & SURVEY CONTROL

SHEET
G-3
340.09.100

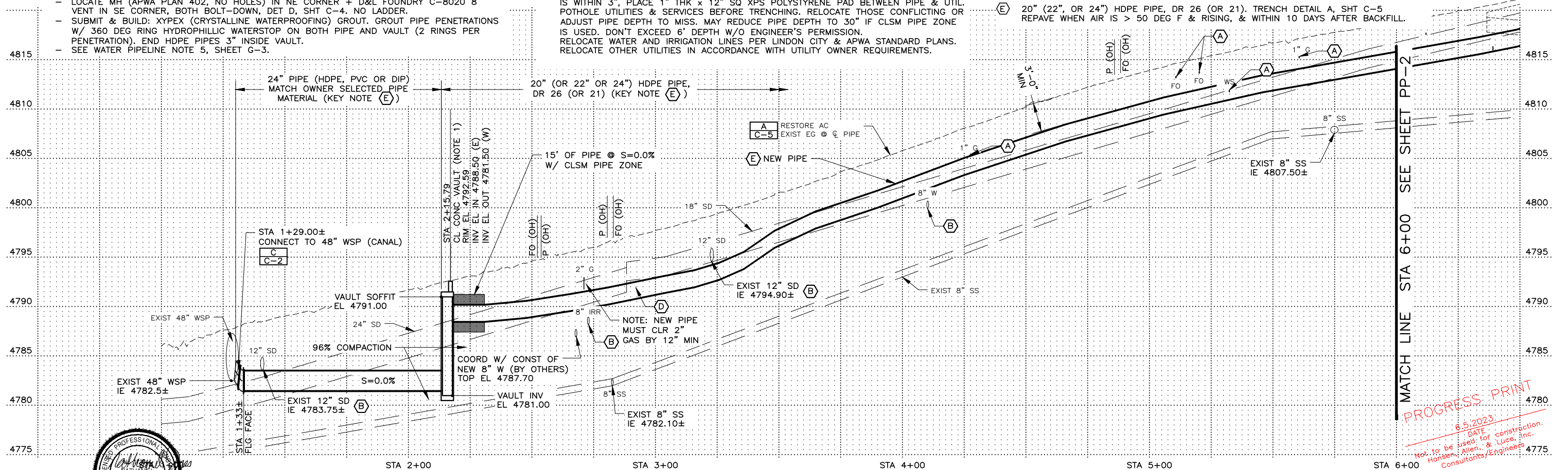


GENERAL SHEET NOTES:

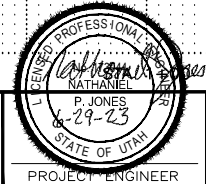
- SUBMIT & BUILD PRECAST CONC ENERGY DISSIPATOR VAULT:**
 - INSIDE DIMENSIONS: 4'x4'x10' HIGH. 8" MIN THK ROOF, WALLS & FLOOR.
 - 3.5" MIN (5000 PSI) CONC OVER ALL REBAR. HS 20 RATED.
 - ONLY ONE JOINT ALLOWED: A WATER-TIGHT, KEYED JOINT, 5' BELOW ROOF.
 - LOCATE MH (APWA PLAN 402, NO HOLES) IN NE CORNER + D&L FOUNDRY C-8020 8" VENT IN SE CORNER, BOTH BOLT-DOWN, DET D, SHT C-4. NO LADDER.
 - SUBMIT & BUILD: XYPEX (CRYSTALLINE WATERPROOFING) GROUT. GROUT PIPE PENETRATIONS W/ 360 DEG RING HYDROPHILLIC WATERSTOP ON BOTH PIPE AND VAULT (2 RINGS PER PENETRATION). END HDPE PIPES 3" INSIDE VAULT.
 - SEE WATER PIPELINE NOTE 5, SHEET G-3.

KEY NOTES:

- (A) LOOP UTILITY OVER/UNDER NEW WATERLINE AS NEEDED. LOOP UTILITY IN COMPLIANCE WITH UTILITY OWNER & IT'S STANDARDS.
- (B) PIPE TO BE 3' MIN DEEP UNO & CLEAR SERVICES/UTILITIES BY 3" MIN. IF A UTILITY IS WITHIN 3", PLACE 1" THK x 12" SQ XPS POLYSTYRENE PAD BETWEEN PIPE & UTIL. POT HOLE UTILITIES & SERVICES BEFORE TRENCHING. RELOCATE THOSE CONFLICTING OR ADJUST PIPE DEPTH TO MISS. MAY REDUCE PIPE DEPTH TO 30" IF CLSM PIPE ZONE IS USED. DON'T EXCEED 6' DEPTH W/O ENGINEER'S PERMISSION. RELOCATE WATER AND IRRIGATION LINES PER LINDON CITY & APWA STANDARD PLANS. RELOCATE OTHER UTILITIES IN ACCORDANCE WITH UTILITY OWNER REQUIREMENTS.
- (C) ASSUME WORK LIMITS ARE AC STREET UNO. ACQUIRE PERMITS FOR WORK IN CITY ST & PRWUA ROW.
- (D) 1.5% MIN SLOPE (AT ALL STATIONS), UNO.
- (E) 20" (22", OR 24") HDPE PIPE, DR 26 (OR 21). TRENCH DETAIL A, SHT C-5 REPAVE WHEN AIR IS > 50 DEG F & RISING, & WITHIN 10 DAYS AFTER BACKFILL.



FILE NAME: PROJECTS\340 - LINDON\09.100 - 400N PRA TURNOUT CONNECTION\CAD\PP-1.DWG
FILE DATE: 6/5/2023 15:11:34 (MMJ)



DESIGNED	NPJ	3
DRAFTED	MAJ	2
CHECKED	TGA	1
DATE	JUNE 2023	NO.

NO.	DATE	REVISIONS	BY	APVD.

SCALE
AS SHOWN

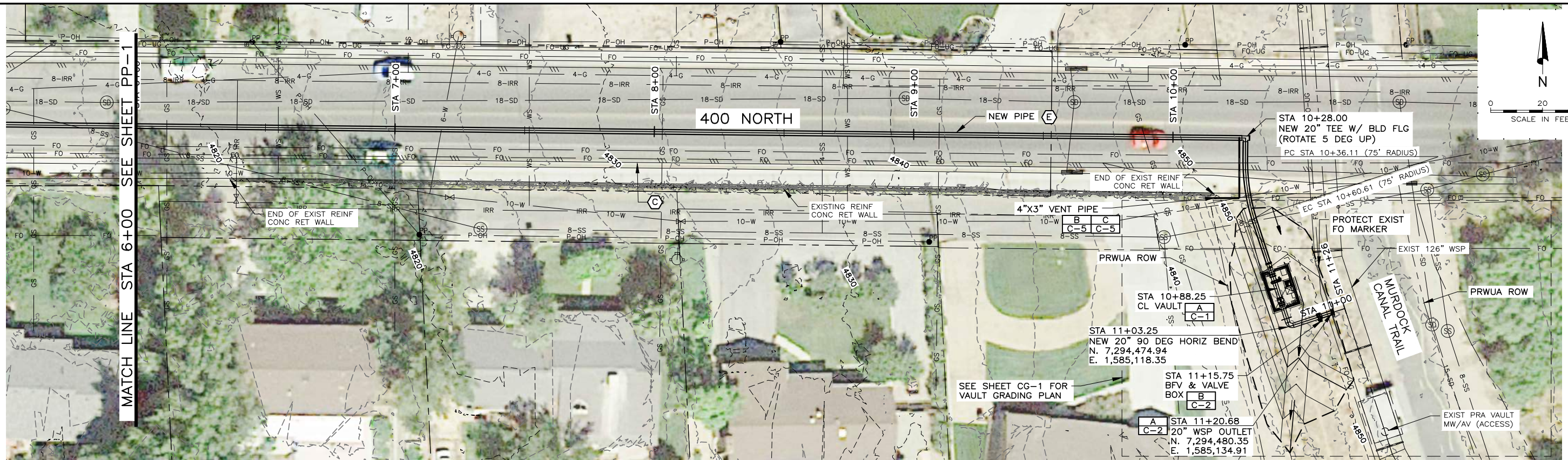


LINDON 400 NORTH PRA TURNOUT
PLAN & PROFILE - WATER PIPELINE
STA 1+00 TO STA 6+00

SHEET
PP-1
340.09.100

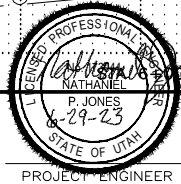
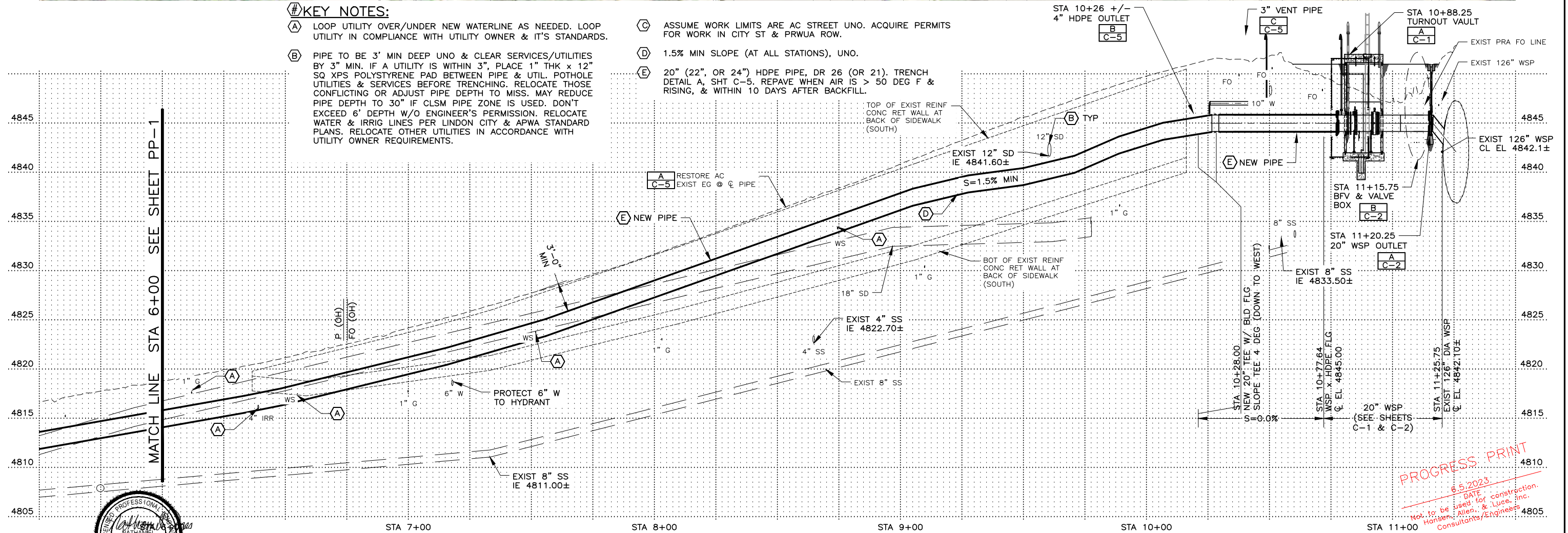
6/5/2023
 DATE
 Not to be used for construction
 Hansen, Allen, & Luce, Inc.
 Consultants/Engineers

FILE NAME: PROJECTS\340 - LINDON\09.100 - 400N PRA TURNOUT CONNECTION\CAD\PP-2.DWG
 FILE DATE: 6.5.2023 14:53:00 (MMJ)



#KEY NOTES:

- (A) LOOP UTILITY OVER/UNDER NEW WATERLINE AS NEEDED. LOOP UTILITY IN COMPLIANCE WITH UTILITY OWNER & IT'S STANDARDS.
- (B) PIPE TO BE 3' MIN DEEP UNO & CLEAR SERVICES/UTILITIES BY 3" MIN. IF A UTILITY IS WITHIN 3", PLACE 1" THK x 12" SQ XPS POLYSTYRENE PAD BETWEEN PIPE & UTIL. POTHOLE UTILITIES & SERVICES BEFORE TRENCHING. RELOCATE THOSE CONFLICTING OR ADJUST PIPE DEPTH TO MISS. MAY REDUCE PIPE DEPTH TO 30" IF CLSM PIPE ZONE IS USED. DON'T EXCEED 6' DEPTH W/O ENGINEER'S PERMISSION. RELOCATE WATER & IRRIG LINES PER LINDON CITY & APWA STANDARD PLANS. RELOCATE OTHER UTILITIES IN ACCORDANCE WITH UTILITY OWNER REQUIREMENTS.
- (C) ASSUME WORK LIMITS ARE AC STREET UNO. ACQUIRE PERMITS FOR WORK IN CITY ST & PRWUA ROW.
- (D) 1.5% MIN SLOPE (AT ALL STATIONS), UNO.
- (E) 20" (22", OR 24") HDPE PIPE, DR 26 (OR 21). TRENCH DETAIL A, SHT C-5. REPAVE WHEN AIR IS > 50 DEG F & RISING, & WITHIN 10 DAYS AFTER BACKFILL.



DESIGNED	NPJ	3
DRAFTED	MAJ	2
CHECKED	TGA	1
DATE	JUNE 2023	NO.
		DATE

NO.	DATE	REVISIONS	BY	APVD.

SCALE
AS SHOWN

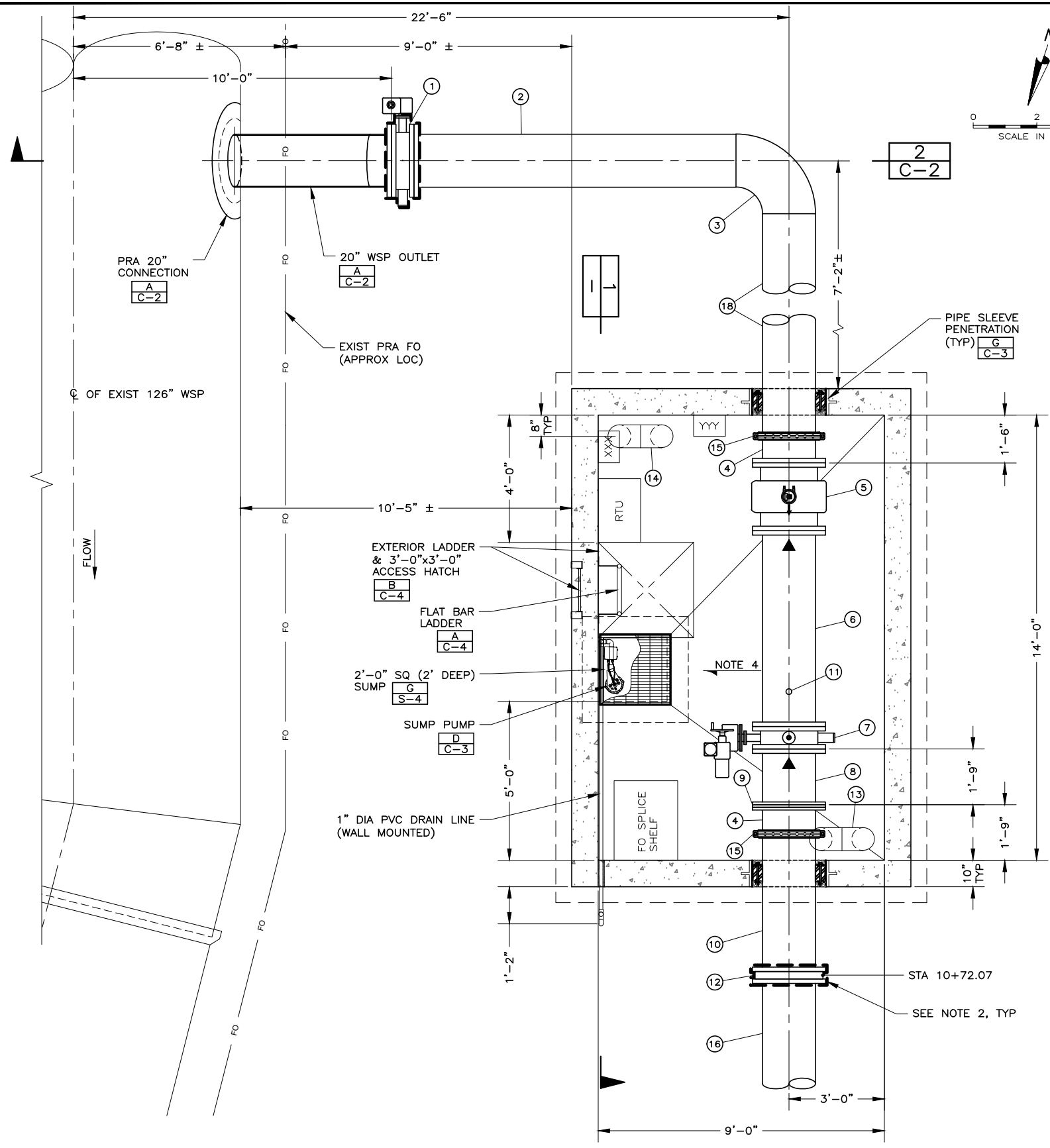


LINDON 400 NORTH PRA TURNOUT
 PLAN & PROFILE - WATER PIPELINE
 STA 6+00 TO STA 11+25.75

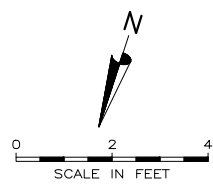
SHEET
PP-2
340.09.100

FILE NAME: PROJECTS\340 - LINDON\09.100 - 400N PRA TURNOUT CONNECTION\CAD\C-1 TURNOUT VAULT PLAN, SECTION & SCHEDULE.DWG
 FILE DATE: 7.20.2023 16:38:32 (DD)

7/04



PLAN A PP-2

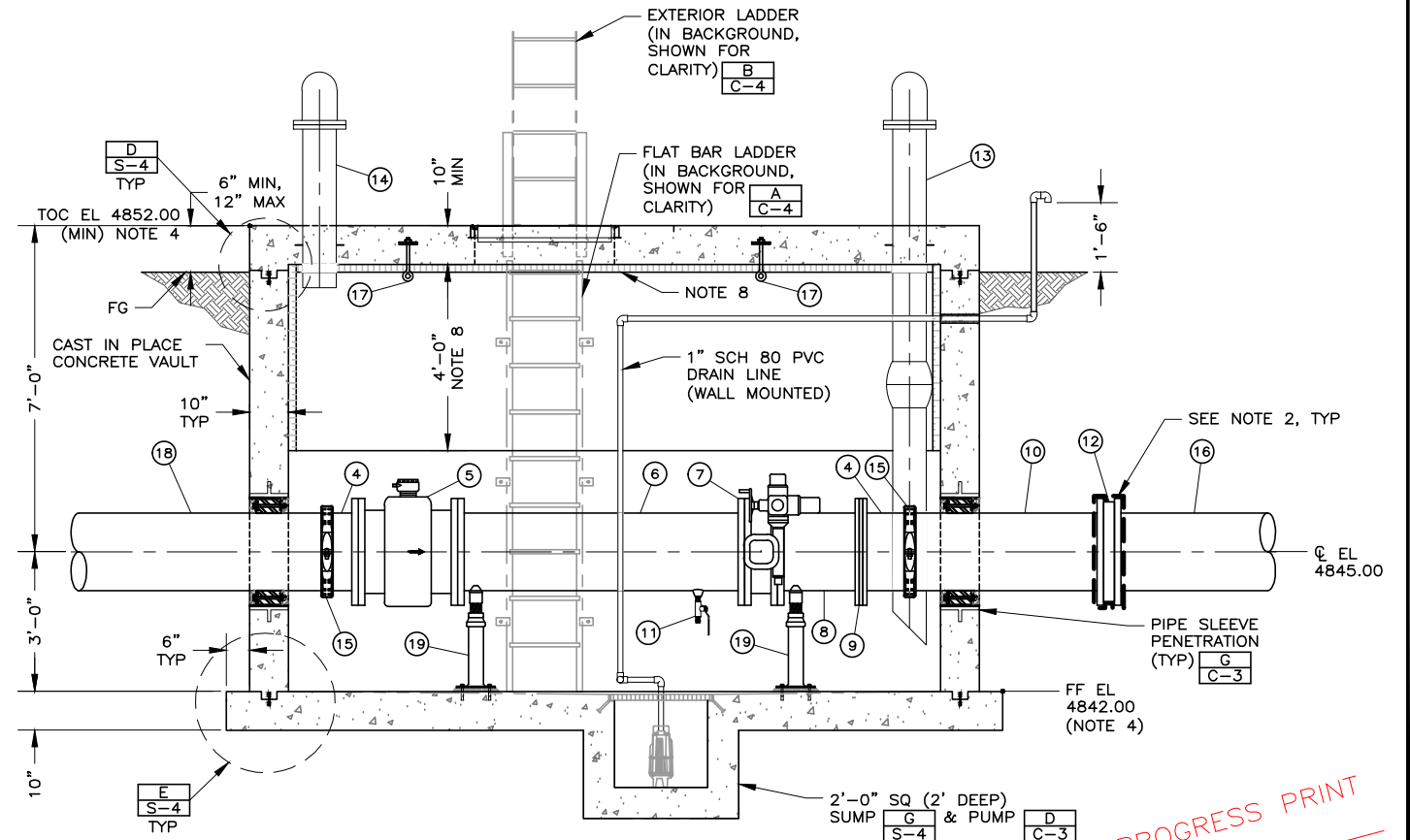


MATERIALS SCHEDULE			
NO.	DESCRIPTION	CONNECTION	SIZE
1	BURIED BUTTERFLY VALVE (DET B/C-2)	FLG	20"
2	STEEL PIPE (LENGTH AS SHOWN)	FLGxGE	20"
3	STEEL PIPE SHORT RADIUS BEND, ANGLE 90 DEG	WLDxWLD	20"
4	STEEL PIPE (0'-9" LONG)	FLGxWLD	20"
5	SIEMENS SITRANS F M MAGFLO MAG6000 METER	FLG	20"
6	STEEL PIPE (6'-2" LONG)	FLGxFLG	20"
7	FLOW CONTROL BVF W/ CONTINUOUS MODULATING ACUATOR	FLG	20"
8	STEEL PIPE (2'-0" LONG)	FLGxFLG	20"
9	ORIFICE FLG (STL BLD FLG W/ 15.5" ID ORIFICE)	FLG	20"
10	STEEL PIPE (5'-0" LONG) W/ GE CPLG	GExFLG	20"
11	DRAIN VALVE/HOSE BIBB, 1' FROM BVF (DET A/C-3)	THD	3/4"
12	WSP FLG x ADAPTOR (NOTE 1)	FLGxADAPTOR	NOTE 1
13	LOW VENT W/ FAN (DET B/C-3 & DET C/C-3)	WLD	8"
14	HIGH VENT (DET B/C-3)	WLD	8"
15	GROOVED END COUPLING (9" FROM WALL)	GE	20"
16	PIPE (FOR MATERIAL, NOTE 1)	-	-
17	LIFTING EYE OVER BVF & METER (DET F/S-2)	-	-
18	STEEL PIPE (LENGTH AS SHOWN)	WLDxGE	20"
19	PIPE SUPPORT (DET E/C-3)	-	-

▲ - PIPE SUPPORT

GENERAL SHEET NOTES:

- 24" DR 26 HDPE PIPE. MATE TO 24" WSP FLG W/20" ID WELDED TO 20" WSP.
- WAX TAPE COAT ALL BURIED VALVES, FLANGES, & COUPLINGS.
- SITE GRADING PER SHEET PP-1.
- SLOPE FLOOR 2% TO DRAIN TO SUMP. SLOPE ROOF 2% TO DRAIN EAST.
- COAT PIPING IN VAULTS WITH MOISTURE CURED URETHANE (SYSTEM 4) PER SPECS.
- WELD THICKNESS SHALL MATCH PLATE THICKNESS WELDED TO. PROVIDE 3/8" MIN WELDS UNO.
- FOR EACH FIELD WELD: SUBMIT CERTIFIED WELDING INSPECTOR (CWI) TESTS (VISUAL VT, DYE PEN DP, MAG PARTICLE MT, ULTRASONIC UT, X-RAY RT, AIR SOAP). REPORTS SHALL LIST CWI, TESTS, DATE, WPS, PQR, & THAT EACH WELD COMPLIES WITH AWS D1.1. SEE SPEC 33 92 10.
- 2" THK RIGID INSULATION PER SPECS.

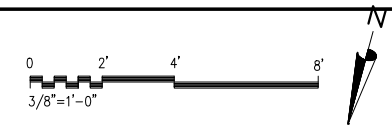


SECTION 1

PROGRESS PRINT
 DATE 7.20.2023
 Not to be used for construction.
 Hansen, Allen, & Luce, Inc.
 Consultants/Engineers



DESIGNED	NPJ	3	DATE	NO.	DATE	REVISIONS	BY	APVD.
DRAFTED	MAJ	2						
CHECKED	TGA	1						
DATE	JUNE 2023							



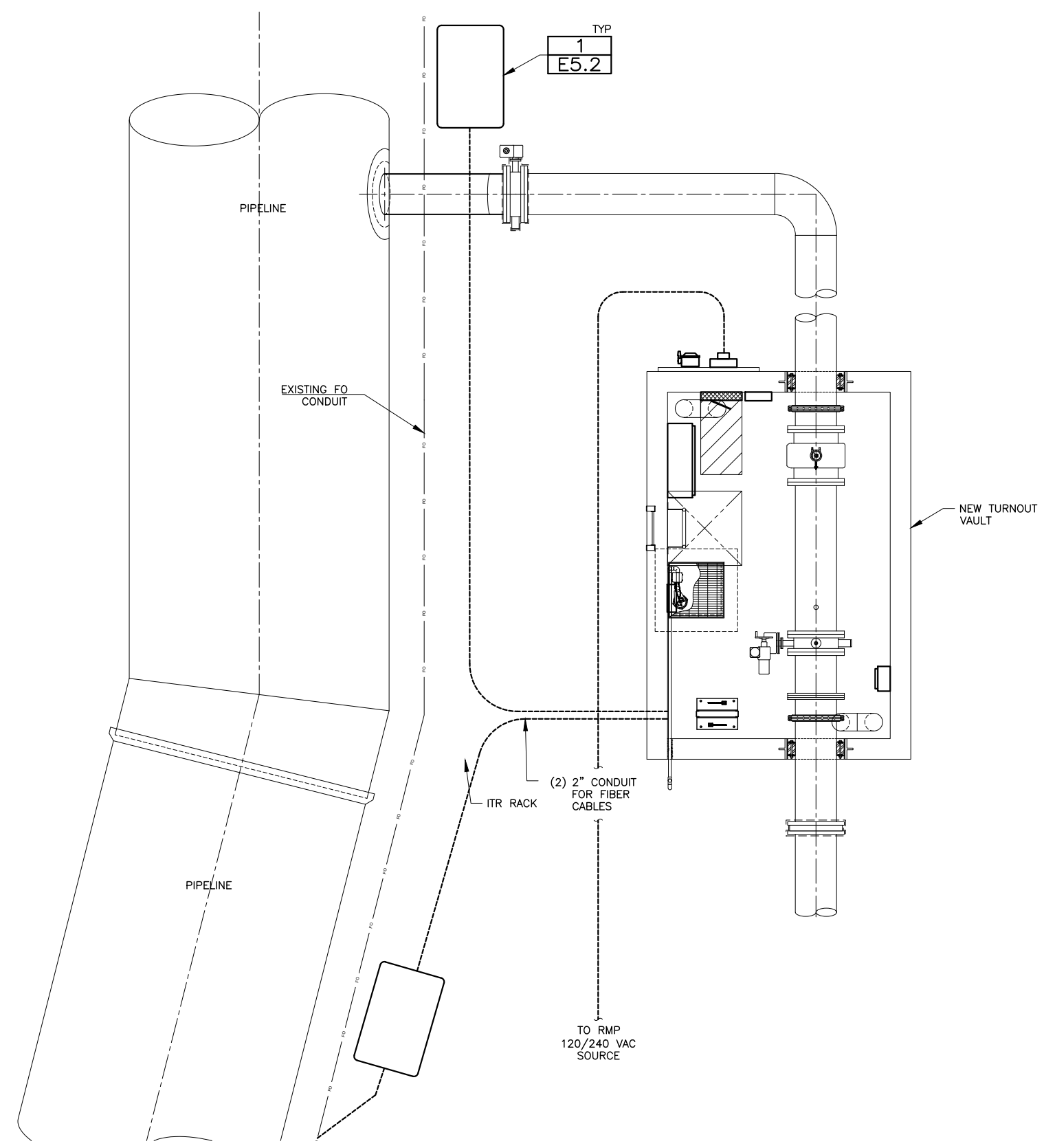
H.P.E. INC. ELECTRICAL ENGINEERS
 POWER SYSTEMS, CONTROL & INSTRUMENTATION SYSTEMS
 HEGERHORST POWER ENGINEERING INCORPORATED (801) 642-2051
 708 EAST 50 SOUTH AMERICAN FORK, UT 84003 FAX (801) 642-2154
 HPE PROJECT:23.034 ©2023
 FOR INFORMATION ABOUT THIS JOB, PLEASE CONTACT: KEITH HEGERHORST

GENERAL NOTES:

1. TO UTILITY POWER SOURCE. TO BE DETERMINED.
2. INTERCEPT EXISTING FIBER OPTIC CABLE. SPLICE NEW 24-STRAND CABLE AND EXTEND INTO ITR RACK IN TURNOUT. TYPICAL TWO PLACES.
3. NOT USED.

SHEET KEYNOTES:

1. 48" X 32" CONCRETE FIBER OPTIC PULL BOXES. TYPE III.



FILE NAME:
FILE DATE:
7/04



PROJECT ENGINEER

DESIGNED	KBH	3
DRAFTED	KBH	2
CHECKED	KBH	1
DATE	JUNE 2023	NO.

NO.	DATE	REVISIONS	BY	APVD.

SCALE
NONE



LINDON

LINDON 400 NORTH PRA TURNOUT
ELECTRICAL
SITE PLAN

SHEET
E4.1
340.09.100