CITY OF FAIRBANKS

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Fairbanks, AK 99701

ENGINEERING DEPARTMENT

Telephone (907)459-6745
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JOYCE DRIVE IMPROVEMENTS
ITB-25-12

ADDENDUM NO. 1

May 23, 2025

Invitation for Bid No.: **ITB-25-12**
Bid Opening Date and Time: **2:00 P.M., June 5, 2025**

The following changes, clarifications, and or additions are hereby made to the City of Fairbanks JOYCE DRIVE IMPROVEMENTS project, ITB-25-12.

The Contract Documents are Modified as Follows

Delete the Bid Schedule in its entirety and substitute the revised Bid Schedule.

The Special Provisions are Modified as Follows

Delete Section 626 in its entirety and substitute the following:

SECTION 626
SANITARY SEWER SYSTEMS

626-1.01 DESCRIPTION. Furnish and install all sanitary sewer pipe, fittings, manholes, and appurtenances for the sanitary sewer collection system.

The sanitary sewer system shall be constructed in accordance with the GOLDEN HEART UTILITIES (GHU) STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision) and GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent version).

626-2.01 MATERIALS. Use materials that conform to GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision) and GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent version). The Contractor shall supply all materials to complete the work.

626-2.02 POLYETHYLENE SHEETING. Provide and install, according to GHU Standard Drawings.

626-2.03 CONCRETE MANHOLE CHANNELS AND BENCHES. Factory or field formed from concrete.

Portland cement design mix, 4,000 psi minimum, with 0.45 maximum water/cementitious materials ratio.

Include channels and benches in manholes. Benches shall be sloped to drain into channel.

626-2.04 TRANSITION FITTINGS. Ductile iron center ring and end rings, rubber gaskets, steel bolts and hex nuts. ROMAC style 501 transition coupling or approved equal.

626-2.05 DETECTABLE WARNING TAPE. Acid and alkali-resistant, polyethylene film warning tape manufactured for marking and identifying underground utilities, a minimum of 6 inches wide and 4 mils thick, continuously inscribed with a description of the utility, with metallic core encased in a protective jacket for corrosion protection, detectable by metal detector when tape is buried up to 30 inches deep; colored green to represent sewer systems.

CONSTRUCTION REQUIREMENTS

626-3.01 GENERAL. All work will conform to GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision) and GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent version).

Furnish and install all incidental parts not shown on the Plans or specified in this Section that are necessary to complete the sewer system.

Comply with all requirements associated with the ADEC conditional construction approval.

Verify locations of all existing utilities prior to excavation. The Contractor is responsible to obtain, from all utility organizations, a locate of buried utilities within the project limits and give notice of proposed excavation in accordance with AS 42.30.

The existing facilities are to remain in service until the new facilities are in place, approved, and operational.

Contractor shall be responsible for public notification of sewer service disruption with approval from the Engineer.

Contractor is responsible for all damages resulting from interruptions in service.

626-3.02 INSTALLATION. Sanitary sewer systems shall be installed according to GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision) and GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent version).

626-3.03 BYPASS PUMPING. Provide a bypass for flow of sewage around the section of sewer lines designated for reconstruction, or replacement, as required. Plug the existing system at an upstream manhole and pump collected sewage to downstream manhole or adjacent sanitary sewer system. The pump(s) and bypass system shall be routed to a sanitary sewer system that has sufficient capacity to handle the peak flow and bypass flow combined.

The Contractor shall submit any bypass pumping plan, for sanitary sewer mains or services, to the Engineer for approval, prior to implementation.

626-3.04 TESTING. Notify the Engineer 24 hours prior to each pressure test.

Pressure Test. Contractor shall verify water tightness of newly installed ductile iron conduit by air pressure testing at 4 psi. Pipe shall be tested for 2 minutes with no pressure loss.

If pressure test fails, the Contractor shall remedy any defects and retest the pipe as many times as necessary until the pressure test is successfully performed.

Acceptance of pipe is contingent upon passing pressure test and remedy of any defects.

626-3.05 VIDEO INSPECTION. The Contractor shall conduct video inspection of newly installed sanitary sewer conduit, as outlined in the GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision), and submit the video inspection report to the Engineer and the Golden Heart Utilities representative. The Contractor shall conduct a post-construction video inspection to ensure there are no damages during construction. Post-construction video inspection shall be submitted to the Engineer and the Golden Heart Utilities representative.

626-3.06 WARRANTY. Contractor warrants that Work performed on this facility shall conform to the GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent version) AND GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent version) and be free of defects in material, designs/plans furnished by Contractor, or workmanship performed by Contractor or

any subcontractor or material supplier for a period of one (1) year. The Contractor further warrants that all materials and equipment furnished will be new unless otherwise specified, of good quality, in conformance with specifications, and free from defective workmanship and materials. At the Department's request, the Contractor shall furnish satisfactory evidence of the quality and type of materials and equipment furnished.

The warranty shall begin on the date of acceptancy by GHU. GHU shall notify Contractor in writing of any warranty claims pertaining to facilities installed by the Contractor under the Joyce Drive Improvements contract.

Contractor shall make repairs, replacements and corrections promptly and at no expense to GHU. If Contractor fails to respond to a notice by GHU of a warranty claim within a reasonable time, GHU may make or cause to have made, the appropriate correction or repair at the expense of Contractor. If Contractor fails to correct defective work within a reasonable time after receipt of written notice from GHU prior to final payment, GHU may correct the work and issue an appropriate change order deducting the costs of correction from any payment(s) remaining due to Contractor. If payments then remaining due to Contractor are insufficient to cover such amounts, Contractor shall pay the difference to GHU within thirty (30) days of notice of such cost.

A new warranty period of one (1) year shall begin to run from completion of any repairs or replacements under the first or any successive warranty period.

Contractor shall furnish all warranties provided by any vendors and/or manufacturers of materials and equipment used to complete the Work.

626-4.01 METHOD OF MEASUREMENT.

1. Sanitary Sewer Conduit. Measured by the linear foot, along the overall horizontal length of pipe installed, from center to center of manholes or flushwells.

2. Sanitary Sewer Service Connection. Measured by the number of units installed and accepted.

3. Flushwell. Measured by the number of flushwells installed and accepted.

4. Adjust Flushwell. Measured by the number of flushwells adjusted.

626-5.01 BASIS OF PAYMENT. At the contract unit price for each of the particular pay items shown in the bid schedule, completed in place and accepted.

Structural excavation, trench excavation, shoring, bedding, backfill, trench backfill is subsidiary.

Contractor shall provide all materials.

Payment for sanitary sewer conduit shall include all pipe, normal 2" insulation, gaskets and all materials, labor and supervision to provide a complete sewer construction or reconstruction as described on the Plans and specifications.

Sewer service connection payment shall include all service piping, fittings (22.5, 45 or 90 degree bends), mission couplings and transitions from HDPE to WSP (except saddle and gasket) pipe, tapping, insulation, and any other materials, labor and supervision required to complete the service connection as described on the Plans and Specifications.

Acceptance testing including cleaning, pressure and leakage testing, and test for damaged and defective pipe with a video camera inspection is subsidiary. Use a swivel head camera with sufficient lighting to clearly see each pipe joint and provide a DVD and log to Engineer of the sewer main inspection. Remedy of any defects is subsidiary.

Payment for installation of flushwell shall include all supervision, labor and materials to install the flushwell, fittings, raising / lowering the flushwell to match the finished pavement or shoulder grade, installing the concrete collar, cleaning the flushwell interior, any extension that is required, all materials, labor and supervision required to complete the task as described on the Plans and Specifications.

Adjust flushwell payment shall include labor, supervision, equipment, and incidentals for all the work described. This includes supplying and installing necessary equipment, removal and disposal of debris, replacement of broken frames, collars, and lids. If required, removal of sewer piping is subsidiary.

Any costs involving shoring, repair of damaged services, sewage by-passes, and providing temporary sewer services are subsidiary.

All costs associated with flushwell concrete collar and insulation are subsidiary to pay item 626.2003.0000 Sanitary Sewer Cleanout.

Costs to remove or abandon existing sewer piping, flushwells, or appurtenances are subsidiary to pay item 202.0001.0000.

Permit coverage for dewatering is required by ADEC for excavations located within 1,500 ft of a permit defined 'DEC-identified contaminated site' or 'contaminated groundwater plume' identified by Contaminated Sites. Localized sumps for trench water and washed rock required for installation of pipe and structures will be utilized with the approval of the Engineer. Payment for this work or any other extra work associated with dewatering shall be subsidiary to respective 626 pay items.

Payment will be made under:

PAY ITEM		
Item Number	**Item Description**	**Unit**
626.0001.0008	Sanitary Sewer Conduit, 8 Inch	LF
626.0002.0000	Sanitary Sewer Service Connection	EACH
626.2011.0000	Flushwell	EACH
626.2014.0000	Adjust Flushwell	EACH

Delete Section 627 in its entirety and substitute the following:

SECTION 627
WATER SYSTEMS

627-1.01 DESCRIPTION. Furnish and install all water conduit, fittings, valves, hydrants, and incidental parts to complete water main improvements and replacements, as shown on the Plans, or specified in this section. Remove, salvage and reinstall, or abandon valve boxes, water conduit, and water meters as specified. Remove all existing fire hydrants as specified on Plans or as directed by the Engineer.

627-1.02 SUBMITTALS. Submit, in writing, plans outlining all procedures for temporary cap installations, service disruptions, temporary bypass, and tie-ins, for approval by the Engineer.

627-2.01 MATERIALS. Use materials that conform to GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision) and GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent revision). The Contractor shall supply all materials to complete the work.

Submit manufacturer's literature and affidavit of compliance with specified standards, for review by the Engineer. Procurement of materials shall not take place until approved.

Piping material shall bear label, stamp, or other markings of specified testing agency. All pipe, fittings, and valves shall be UL/FM listed for fire service.

All water conduit, water service piping, and incidental water system parts shall comply with NSF 61.

Insulation Subsection 712-2.23

627-2.02 WATER CONDUIT PIPE AND FITTINGS. Push-on-Joint, Ductile Iron Pipe: Water conduit pipe shall be Thickness Class 50, with push-on-joints, having bell- and plain-spigot ends, unless flanged ends are indicated on the plans, and shall conform to AWWA C151. Physical properties shall not be less than 60-42-10 iron. Ductile iron pipe shall be cement mortar lined in accordance with the applicable provisions of AWWA C104. All pipe and fittings shall be restrained joint.

1. Restrained Joint Gaskets: Restrained rubber gaskets shall be in accordance with AWWA C111. Contractor shall use U.S. Pipe Field Lok 350 gaskets, Tyler Union SureStop 350 gaskets, or approved equal.

2. Nitrile Restrained Joint Gaskets: Restrained nitrile gaskets shall be in accordance with AWWA C111 and shall be installed in areas containing petroleum and chlorinated contaminated soils, as outlined on the plans. Contractor shall use U.S. Pipe Field Lok 350 gaskets, Tyler Union SureStop 350 gaskets, or approved equal.

Mechanical-Joint, Ductile-Iron Fittings: All fittings shall be standard pattern ductile iron conforming to AWWA C153. Fittings shall have a minimum working pressure rating equal to one hundred fifty (150) psi, but be capable of withstanding three (3) times the rated working pressure as per AWWA C110. Interior of fitting shall be cement mortar lined per AWWA C104.

1. Glands, Gaskets, and Bolts: Ductile-iron glands, rubber and nitrile gaskets, and steel bolts shall conform to AWWA C111.

2. Restrained Joint: Mechanical joint fittings shall be field installed, wedge action, joint restraints conforming to AWWA C110. Contractor shall use MEGALUGs by EBAA Iron, Romagrip by ROMAC, or approved equal.

3. Sleeve: Sleeve must provide a restrained joint designed for a maximum working pressure of two hundred fifty (250) psi.

627-2.03 RESTRAINED JOINTS. In lieu of concrete thrust blocks, components such as restraining glands and restraining gaskets may be used in accordance with the pipe/restraint manufacturer's instructions and the DIPRA Design Guide. Basis of design include US Pipe Field Lok 350 or Tyler Union SureStop 350 gasket systems, and EBAA Iron MegaLug or ROMAC Romagrip restraint systems, or approved equal.

627-2.04 GATE VALVES. Gate valves shall be non-rising stem, resilient-wedge-seated gate valves, conforming to AWWA C515. Valves shall be constructed of a ductile-iron body and bonnet; with bronze or gray- or ductile-iron gate, resilient seats, NDZ bronze stem, and stem nut. Valves shall open by turning the operation stem in a counter-clockwise direction. After the valves are assembled and tested, the manufacturer's name or symbol, the size of the valve, the year of manufacture, and the working water pressure shall be cast in the bonnet or body of the valve.

Gate valves shall be furnished with:
1. Minimum Working Pressure: 200 psig.
2. End Connections: Mechanical joint. (Gate valves on hydrants and tapping sleeve shall be flanged by mechanical joint.)
3. Interior and Exterior Coating: Epoxy in accordance with AWWA C550.
4. O-ring stem seal.

5. 2-inch square operating nut.

627-2.05 VALVE BOXES. Valve boxes shall conform to Golden Heart Utilities Standards of Design and Construction and Golden Heart Utilities standard drawings (latest versions). Valve boxes shall be cast iron, two (2) piece, extension-type, with a plastic dust cap and cast iron cover, and shall conform to AWWA M44 for cast iron valve boxes.

Cast Iron Soil Pipe Riser: ASTM A74 Cast Iron Soil Pipe, Hub and Spigot, five (5) Inch, with hub at one or both ends.

Valve Box Bottom Section: Twenty-four (24) inch long, Heavy Duty Load Rating, Gray Iron ASTM A48 CL35; Basis of Design: East Jordan Iron Works, Product # 85556024 or approved equal.

Valve Box Top: Eighteen (18) inch long, Heavy Duty Load Rating, Gray Iron ASTM A48 CL35. Basis of design: East Jordan Iron Works, Product # 00366918 or approved equal.

Valve Box Cover: ASTM A48, CL35 Gray Iron, Heavy Duty Load Rating, one (1) inch raised flat face gothic lettering, six and three-quarters (6 ¾) inch diameter with two cast ears, two and three-quarter (2 ¾) inch depth, stamped with "Water" or "Sewer" as appropriate based on duty. Basis of design: East Jordan Iron Works, Product # 00366952 or approved equal.

627-2.06 FIRE HYDRANTS. All fire hydrants to be installed shall comply with FM's "Approval Guide" or UL's "Fire Protection Equipment Directory" for fire-service-main products. Fire Hydrants shall comply with the latest edition of the Golden Heart Utilities Standards of Design and Construction.

Dry-Barrel Fire Hydrants: Hydrants shall conform to AWWA C502, include one NPS 4½-inch pumper nozzle and two NPS 2½-inch outlets, 5¼-inch main valve, drain valve, and NPS 6-inch flanged inlet. Include interior coating according to AWWA C550. Hydrants shall have ductile-iron body, compression-type valve opening against pressure and closing with pressure, and 200 psig minimum working pressure. Hydrant shall have a safety flange design to minimize traffic damage.

Gate valve shall conform to Paragraph 2.03 of this section except it shall be provided with mechanical joint by flanged ends.

1. Outlet Threads: NFPA 1963, with external hose thread used by local fire department. Include cast-iron caps with steel chains. Nozzle threads shall be National Safety Fire Hose Threads.
2. Operating and Cap Nuts: Pentagon, 1-1/2 inches point to flat.
3. Direction of Opening: Open hydrant valve by turning operating nut counterclockwise.
4. Exterior Finish: Two (2) coats of yellow alkyd-gloss enamel paint, unless otherwise indicated.

CONSTRUCTION REQUIREMENTS

627-3.01 GENERAL. All work will conform to GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision) and GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent revision).

Furnish and install all incidental parts not shown on the plans or specified in this section that are necessary for a complete and functioning water system.

Verify locations of all existing utilities prior to excavation. The Contractor is responsible to give notice of proposed excavation in accordance with AS 42.30 to all utility companies and to obtain utility locates of buried utilities within the project limits.

Contractor will locate all water services as required using a contractor provided magnetic locator, other device designed for water service locates, or any means necessary to find the services. Golden Heart Utilities will not locate services.

All fire hydrants taken out of service will be reported to the City of Fairbanks Fire Department twenty-four hours before and a bag placed over the hydrant.

Maintain existing facilities in service until the new facilities are in place, approved, and operational. Provide public notification of water service disruption. Contractor is responsible for all damages resulting from interruptions in service.

627-3.02 INSTALLATION. Water systems shall be installed according to GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision) and GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent revision).

When a water main or water service (new or existing) crosses a storm drain or sanitary sewer conduit (new or existing), fully insulate the new or existing water pipe or conduit with an additional 2 inches of urethane foam for 7 feet on each side of the crossing (14 feet total). Install additional insulation to pipe or conduit as shown in plans, and as directed by the Engineer in the field.

When a water main or water service (new or existing) is parallel with storm drain or sanitary sewer conduit (new or existing), and within 7 feet, insulate the entire new or existing water pipe or conduit with an additional 2 inches of urethane foam. Install additional insulation to pipe or conduit as shown on Plans, and as directed by the Engineer in the field.

Provide additional insulation to pipe or conduit where insufficient cover exists as directed by the Engineer.

Urethane spray foam insulation shall be rigid closed cell, two-part urethane foam with the following properties:

K Factor: 0.14 (Btu - in/FT2 - Hr - °F)
Compressive Strength: 25 psi
Density: 2.0 pcf

Any system or applicator shall be able to demonstrate prior experience of at least two years and the Engineer shall be the sole judge of the qualifications of a system, material, application method and applicator.

627-3.03 TESTING WATER SYSTEM. Testing shall be according to GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent revision). Water mains shall be verified as watertight by hydrostatically testing in accordance with AWWA Standard C600 to comply with the Alaska Department of Environmental Conservation conditional Approval to Construct.

627-3.04 WARRANTY. Contractor warrants that Work performed on this facility shall conform to the GOLDEN HEART UTILITIES STANDARDS OF DESIGN AND CONSTRUCTION (most recent version) and GOLDEN HEART UTILITIES SERVICE LINE STANDARDS (most recent version) and be free of defects in material, designs/plans furnished by Contractor, or workmanship performed by Contractor or any subcontractor or material supplier for a period of one (1) year. The Contractor further warrants that all materials and equipment furnished will be new unless otherwise specified, of good quality, in conformance with specifications, and free from defective workmanship and materials. At the Department's request, the Contractor shall furnish satisfactory evidence of the quality and type of materials and equipment furnished.

The warranty shall begin on the date of acceptancy by GHU. GHU shall notify Contractor in writing of any warranty claims pertaining to facilities installed by the Contractor under the Joyce Drive Improvements contract.

Contractor shall make repairs, replacements and corrections promptly and at no expense to GHU. If Contractor fails to respond to a notice by GHU of a warranty claim within a reasonable time, GHU may make

or cause to have made, the appropriate correction or repair at the expense of Contractor. If Contractor fails to correct defective work within a reasonable time after receipt of written notice from GHU prior to final payment, GHU may correct the work and issue an appropriate change order deducting the costs of correction from any payment(s) remaining due to Contractor. If payments then remaining due to Contractor are insufficient to cover such amounts, Contractor shall pay the difference to GHU within thirty (30) days of notice of such cost.

A new warranty period of one (1) year shall begin to run from completion of any repairs or replacements under the first or any successive warranty period.

Contractor shall furnish all warranties provided by any vendors and/or manufacturers of materials and equipment used to complete the Work.

627-4.01 METHOD OF MEASUREMENT.

A. Water Conduit. Water main measurement shall be by the linear foot, along the overall horizontal length of pipe laid, from center to center of fittings and valves. No deduction in length will be made for valves and fittings.

B. Fire Hydrant Installation. Fire hydrant installation measurement shall be each by the number of fire hydrant assemblies complete and installed.

C. Water Service Connection. Water service connection measurement shall be each by the number of dual water services connected at the water main.

E. Gate Valves and Valve Boxes. By the number of valves and valve boxes adjusted or installed.

627-5.01 BASIS OF PAYMENT. At the contract unit price for each of the particular pay items shown in the bid schedule, completed in place, disinfected, tested, functional, and accepted. Payment for pipe installation, fire hydrant assemblies, services, adjustments, and relocation work will not be paid for partial, unaccepted work.

Structural excavation, trench excavation, shoring, bedding, backfill, trench backfill is subsidiary.

Leakage tests, flushing, disinfection, hydrant flow testing, operation of installation, biological purity test, labor, materials and supervision required to complete the task as described on the Plans and Specifications are subsidiary. Remedy of any defects is subsidiary.

Any costs involving shoring, repair of damaged services, and providing temporary water caps and service are subsidiary.

Costs to remove or abandon existing water piping, hydrants, or appurtenances are subsidiary to pay item 202.0001.0000.

A. Payment for water main shall include all supervision, labor and materials to install pipe, fittings, pipe restraint followers and locking gaskets, penetrations, connection to the existing system, normal 2 inch insulation, additional 2 inch insulation, and as described on the Plans and Specifications.

B. Payment for fire hydrants shall include all supervision, labor and materials to install hydrants, hydrant valve, hydrant swivel tee, valve box assembly, insulation, drain field, blocks, required to complete the task as described on the Plans and Specifications.

C. Payment for water service shall include all supervision, labor and materials to install thaw wires, flare type couplings, dual copper service tubes, saddles, corp stops, normal 3 inch insulation, additional 2 inch insulation, tapping, materials, service changeover, labor and

supervision required to complete the connections as described on the Plans and Specifications.

D. Payment for adjustment of valve box shall include raising / lowering the valve box to match the finished pavement or shoulder grade, installing the concrete collar, cleaning the valve box interior to below the valve operating nut, any extension that is required, all materials, labor and supervision required to complete the task as described on the Plans and Specifications.

E. Payment for gate valves shall include all supervision, labor and materials required for installation as per standard detail.

F. Payment for installation of valve box shall include all supervision, labor and materials to install the valve box, raising / lowering the valve box to match the finished pavement or shoulder grade, installing the concrete collar, cleaning the valve box interior to below the valve operating nut, any extension that is required, all materials, labor and supervision required to complete the task as described on the Plans and Specifications.

Payment will be made under:

PAY ITEM		
Item Number	**Item Description**	**Unit**
627.0001.0006	Ductile Iron Water Conduit, 6 Inch, Class 50	LF
627.0001.0008	Ductile Iron Water Conduit, 8 Inch, Class 50	LF
627.0003.0000	Install Valve Box	EACH
627.0005.0000	Fire Hydrant Installation	EACH
627.0008.0000	Water Service Connection	EACH
627.0009.0006	Gate Valve, 6 Inch	EACH
627.0009.0008	Gate Valve, 8 Inch	EACH
627.0010.0000	Adjustment of Valve Box	EACH

The Plans are Modified as Follows

Delete Plan Sheet No. A1, A4, A5, C1, F1, F2, F3, F4, F5, F6, U1, U2, U3, U4 and substitute revised Plan Sheets No. A1, A4, A5, C1, F1, F2, F3, F4, F5, F6, U1, U2, U3, U4.

Add New Plan Sheets No. U5, U6, U7.

All other terms, conditions, and specifications of the original Invitation for Bid remain unchanged.

CITY OF FAIRBANKS

Robert H Pristash 5/23/2025

Robert H. Pristash, P.E.
City Engineer

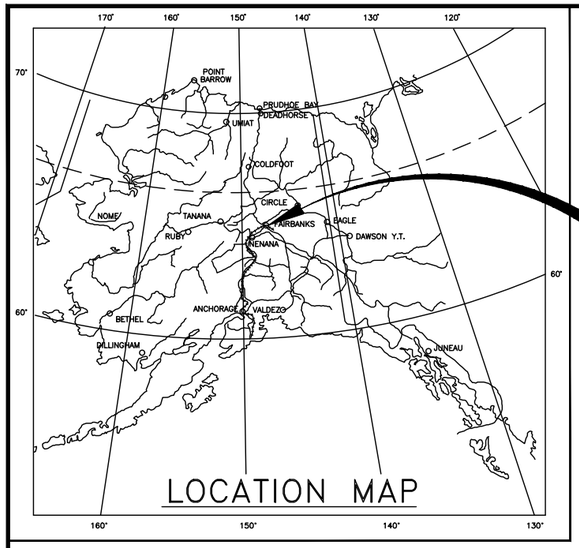
BID SCHEDULE- ADDENDUM #1

The Bidder shall insert a unit bid price or a lump sum price in figures opposite each pay item and total price for which an estimated quantity appears in the bid schedule. The estimated quantity of work for payment on a lump sum basis will be "all required" and as further specified in the contract.

City of Fairbanks		**JOYCE DRIVE IMPROVEMENTS PROJECT**			
ITB 25-12	**BID SCHEDULE**	**BASE BID**			
Item No.	Item Description	Pay Unit	Quantity	Unit Price	Amount Bid
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED		
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	1650		
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	935		
304.0001.000F	SUBBASE, GRADING F	TON	2885		
308.0001.0000	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	2490		
401.0001.002B	HMA, TYPE II; CLASS B	TON	655		
401.0004.0000	ASPHALT BINDER, GRADE 52-28	TON	36		
603.0021.0012	CORRUGATED POLYTHELYENE PIPE 12 INCH	LINEAR FOOT	965		
603.0021.0018	CORRUGATED POLYTHELYENE PIPE 18 INCH	LINEAR FOOT	610		
603.0021.0024	CORRUGATED POLYTHELYENE PIPE 24 INCH	LINEAR FOOT	285		
604.0001.0000	STORM SEWER MANHOLE, 48 INCH	EACH	7		
604.0003.0000	RECONSTRUCT EXISTING MANHOLE	EACH	1		
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	1		
604.0005.000A	INLET, TYPE A	EACH	16		
626.0001.0008	SANITARY SEWER CONDUIT, 8 INCH	LINEAR FOOT	365		
626.0002.0000	SANITARY SEWER SERVICE CONNECTION	EACH	7		
626.2011.0000	FLUSHWELL	EACH	2		
626.2014.0000	ADJUST FLUSHWELL	EACH	2		
627.0001.0006	DUCTILE IRON WATER CONDUIT, 6 INCH, CLASS 50	LINEAR FOOT	520		
627.0001.0008	DUCTILE IRON WATER CONDUIT, 8 INCH, CLASS 50	LINEAR FOOT	360		
627.0003.0000	INSTALL VALVE BOX	EACH	9		

627.0005.0000	FIRE HYDRANT INSTALLATION	EACH	3		
627.0008.0000	WATER SERVICE CONNECTION	EACH	9		
627.0009.0006	GATE VALVE, 6 INCH	EACH	5		
627.0009.0008	GATE VALVE, 8 INCH	EACH	4		
639.0001.0000	DRIVEWAY	EACH	22		
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED		
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED		
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED		
642.0006.0000	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	4		
642.0010.0000	MONUMENT CASE	EACH	4		
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED		
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTIGENT SUM	ALL REQUIRED	$0	$0
671.2000.0000	SPEED HUMP	EACH	4		
				A: Total Base Bid:	
				B: Local Bidders Preference (5%), $50,000 max.	
				(A – B): Adjusted Base Bid Amount:	

City of Fairbanks		**JOYCE DRIVE IMPROVEMENTS PROJECT**			
ITB 25-12	**BID SCHEDULE**	**ADDITIVE ALTERNATE #1**			
Item No.	Item Description	Pay Unit	Quantity	Unit Price	Amount Bid
308.0001.0000	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	5250		
401.0001.002B	HMA, TYPE II; CLASS B	TON	595		
401.0004.0000	ASPHALT BINDER, GRADE 52-28	TON	33		
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	3		
626.2014.0000	ADJUST FLUSHWELL	EACH	4		
627.0010.0000	ADJUSTMENT OF VALVE BOX	EACH	3		
639.0001.0000	DRIVEWAY	EACH	26		
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED		
642.0001.0000	CONSTRUCTION SURVEYING	ALL REQUIRED	LUMP SUM		
642.0006.0000	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	5		
642.0010.0000	MONUMENT CASE	EACH	5		
643.0002.0000	TRAFFIC MAINTENANCE	ALL REQUIRED	LUMP SUM		
671.2000.0000	SPEED HUMP	EACH	2		
				A: Total Base Bid:	
				B: Local Bidders Preference (5%), $50,000 max.	
				(A – B): Adjusted Base Bid Amount:	



LOCATION MAP

PROJECT LOCATION

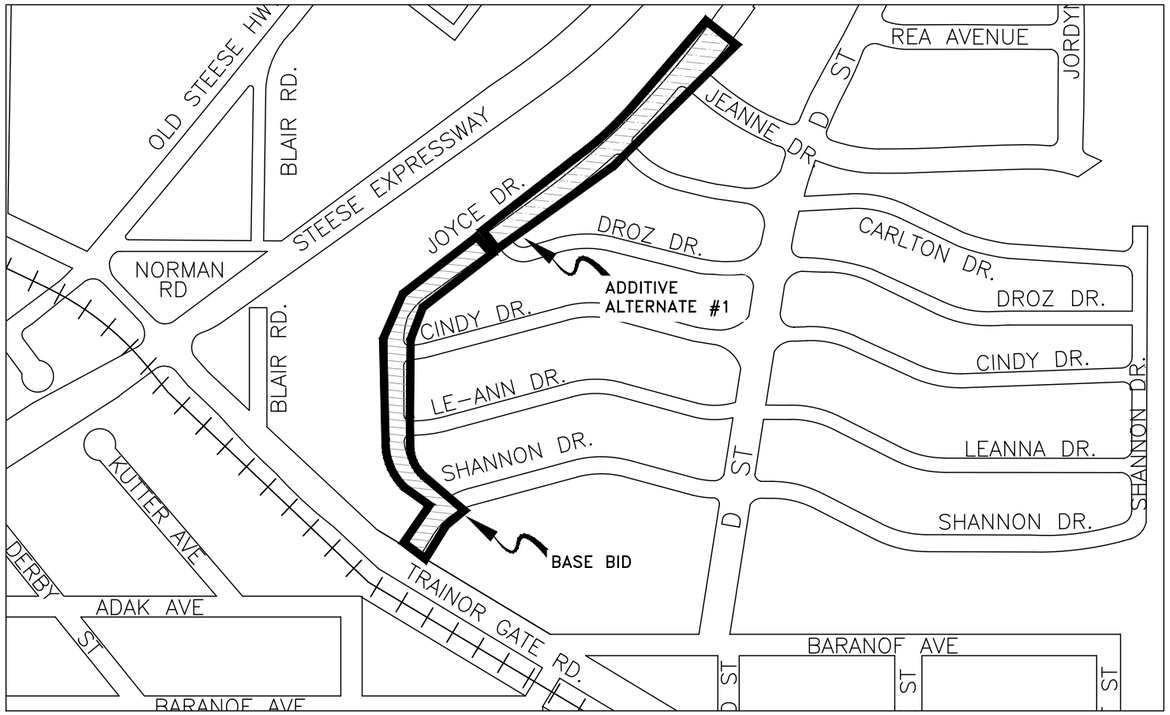
CITY OF FAIRBANKS

PROPOSED UTILITY PROJECT

PROJECT #: ITB-25-12

JOYCE DRIVE IMPROVEMENTS

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LEGEND
A3	GENERAL NOTES & ABBREVIATIONS
A4 – A5	SURVEY CONTROL
B1 – B2	TYPICAL SECTION
C1	ESTIMATE OF QUANTITES
D1 – D2	DETAILS
F1 – F6	ROADWAY PLAN AND PROFILE
Q1 – Q2	EROSION & SEDIMENT CONTROL PLAN
T1	TRAFFIC CONTROL PLAN
U1 – U4	STORM DRAIN PLAN AND PROFILE
⚠ U5 – U6	WATER & SEWER PLAN AND PROFILE
CD1 – CD2	CITY OF FAIRBANKS STANDARD DETAILS – CONCRETE
SD1 – SD2	CITY OF FAIRBANKS STANDARD DETAILS – STORM DRAIN



VICINTY MAP

DATE	REVISION	BY
05/22/2025	⚠ ADDENDUM #1	RHP/KLL

SCALE:

DESIGNED: RHP/KLL
DRAWN:
CHECKED: RHP
DATE: 02/26/2025

APPROVED

CITY ENGINEER

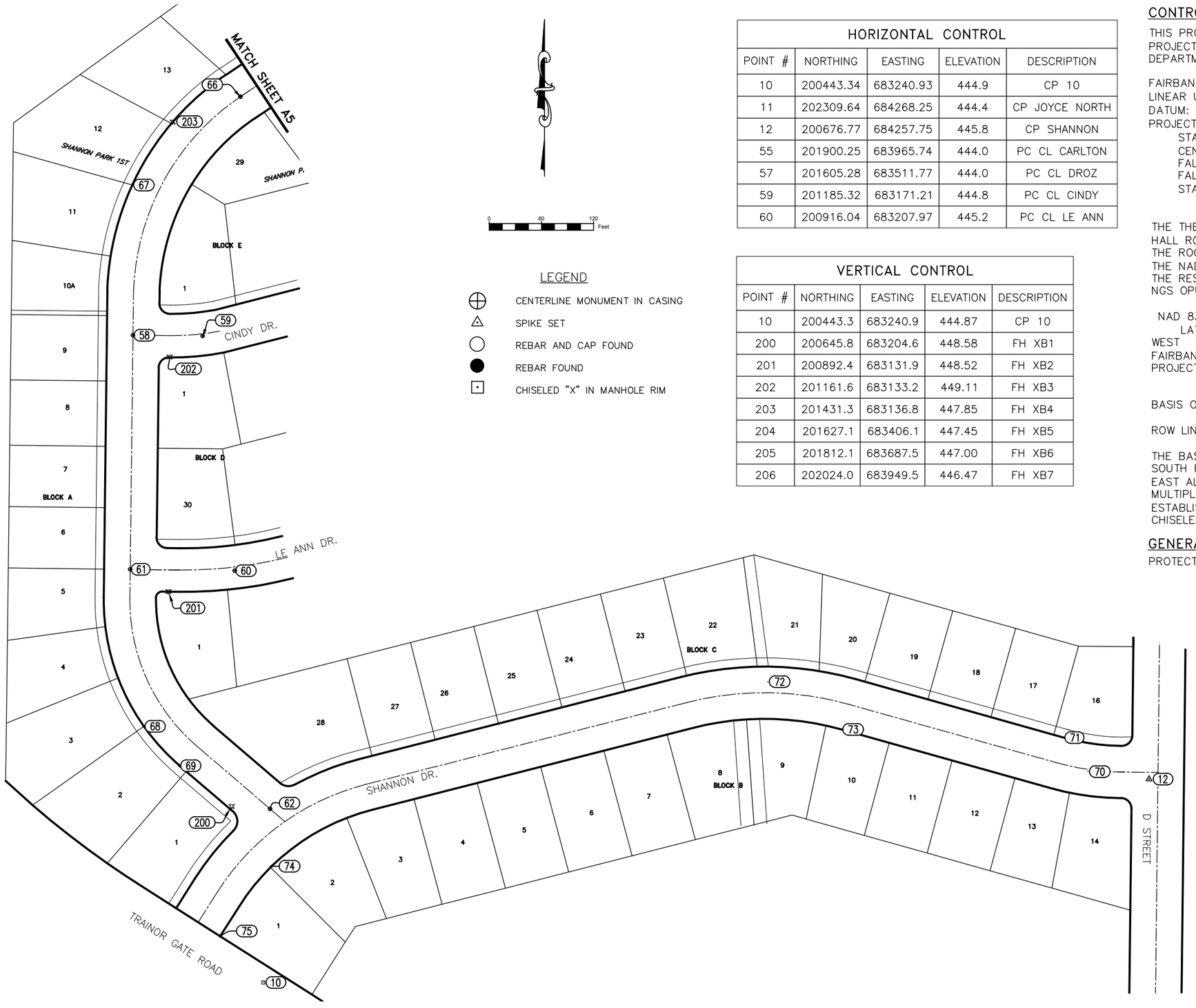
DATE

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

A1
OF 29 SHEETS

P:\FAST surface improvements 2025 construction\Joyce Dr\CIVIL3D Dwg Files\L3 Production\Title Sheet-TITLE SHEET Fri, May/23/25 12:56pm



LEGEND

- CENTERLINE MONUMENT IN CASING
- SPIKE SET
- REBAR AND CAP FOUND
- REBAR FOUND
- CHISELED "X" IN MANHOLE RIM

HORIZONTAL CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	200443.34	683240.93	444.9	CP 10
11	202309.64	684268.25	444.4	CP JOYCE NORTH
12	200676.77	684257.75	445.8	CP SHANNON
55	201900.25	683965.74	444.0	PC CL CARLTON
57	201605.28	683511.77	444.0	PC CL DROZ
59	201185.32	683171.21	444.8	PC CL CINDY
60	200916.04	683207.97	445.2	PC CL LE ANN

VERTICAL CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	200443.3	683240.9	444.87	CP 10
200	200645.8	683204.6	448.58	FH XB1
201	200892.4	683131.9	448.52	FH XB2
202	201161.6	683133.2	449.11	FH XB3
203	201431.3	683136.8	447.85	FH XB4
204	201627.1	683406.1	447.45	FH XB5
205	201812.1	683687.5	447.00	FH XB6
206	202024.0	683949.5	446.47	FH XB7

CONTROL NOTES

THIS PROJECT IS LOCATED ENTIRELY WITHIN THE FAIRBANKS LOW DISTORTION PROJECTION (LDP), A LOW DISTORTION PROJECTION CREATED BY THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES.

FAIRBANKS LDP DEFINITION:
LINEAR UNIT: U.S. SURVEY FOOT (SFT)
DATUM: NAD83(2011)
PROJECTION: LAMBERT CONFORMAL CONIC, (SINGLE PARALLEL)
STANDARD PARALLEL AND GRID ORIGIN: 64°51'00"N
CENTRAL MERIDIAN (GRID ORIGIN): 146°56'00"W
FALSE NORTHING: 200,000 SFT
FALSE EASTING: 800,000 SFT
STANDARD PARALLEL SCALE: 1.00003 (EXACT)

THE THE BASIS OF COORDINATES FOR THIS PROJECT IS POINT NO. 1, "CITY HALL ROOF2," A FIXED POSITION TRIMBLE ZEPHYR 3 GEODETIC ANTENNA ON THE ROOF OF FAIRBANKS CITY HALL.
THE NAD 83 (2011) EPOCH (2010) POSITION FOR POINT NO. 1 IS BASED ON THE RESULTS OBTAINED FROM THE STATIC GPS OBSERVATIONS SENT TO THE NGS OPUS UTILITY FOR PROCESSING.

NAD 83 (2011) EPOCH (2010)
LATITUDE: 64° 50' 23.61722" NORTH, LONGITUDE 147° 43' 16.35657" WEST
FAIRBANKS LOW DISTORTION PROJECTION COORDINATES (US SURVEY FEET)
PROJECT BEARINGS ARE FAIRBANKS 05-05-15 LDP GRID BEARINGS.

BASIS OF BEARING IS FAIRBANKS LDP.

ROW LINES SHOWN WERE DONE BY CITY OF FAIRBANKS (WILLIAM IRVING, PLS).

THE BASIS OF VERTICAL CONTROL IS THE "CP 10", A CHISELED "X" ON THE SOUTH RIM OF A STORM DRAIN MANHOLE AT THE BACK OF SIDEWALK ±80 EAST ALONG THE TRAINOR GATE ROW: ELEV, 44.87' NAVD88, DERIVED FROM MULTIPLE AVERAGED STATIC GNSS O.P.U.S. SOLUTIONS. TBMS ON SITE ESTABLISHED USING DIFFERENTIAL LEVELS TO FIRE HYDRANT "X" BOLTS, AND CHISELED X MARKS ON MANHOLE RIMS.

GENERAL SURVEY NOTES

PROTECT IN PLACE EXISTING PROPERTY CORNERS

STATE OF ALASKA
49TH
WILLIAM H IRVING
LS 13315
REGISTERED PROFESSIONAL LAND SURVEYOR
05/23/2025

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025

SURVEY CONTROL

DATE	REVISION	BY

SCALE:

DESIGNED: RHP/KLL
DRAWN:
CHECKED: RHP
DATE: 02/26/2025

APPROVED
CITY ENGINEER
DATE

CITY OF FAIRBANKS ALASKA

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

A4
OF 29 SHEETS

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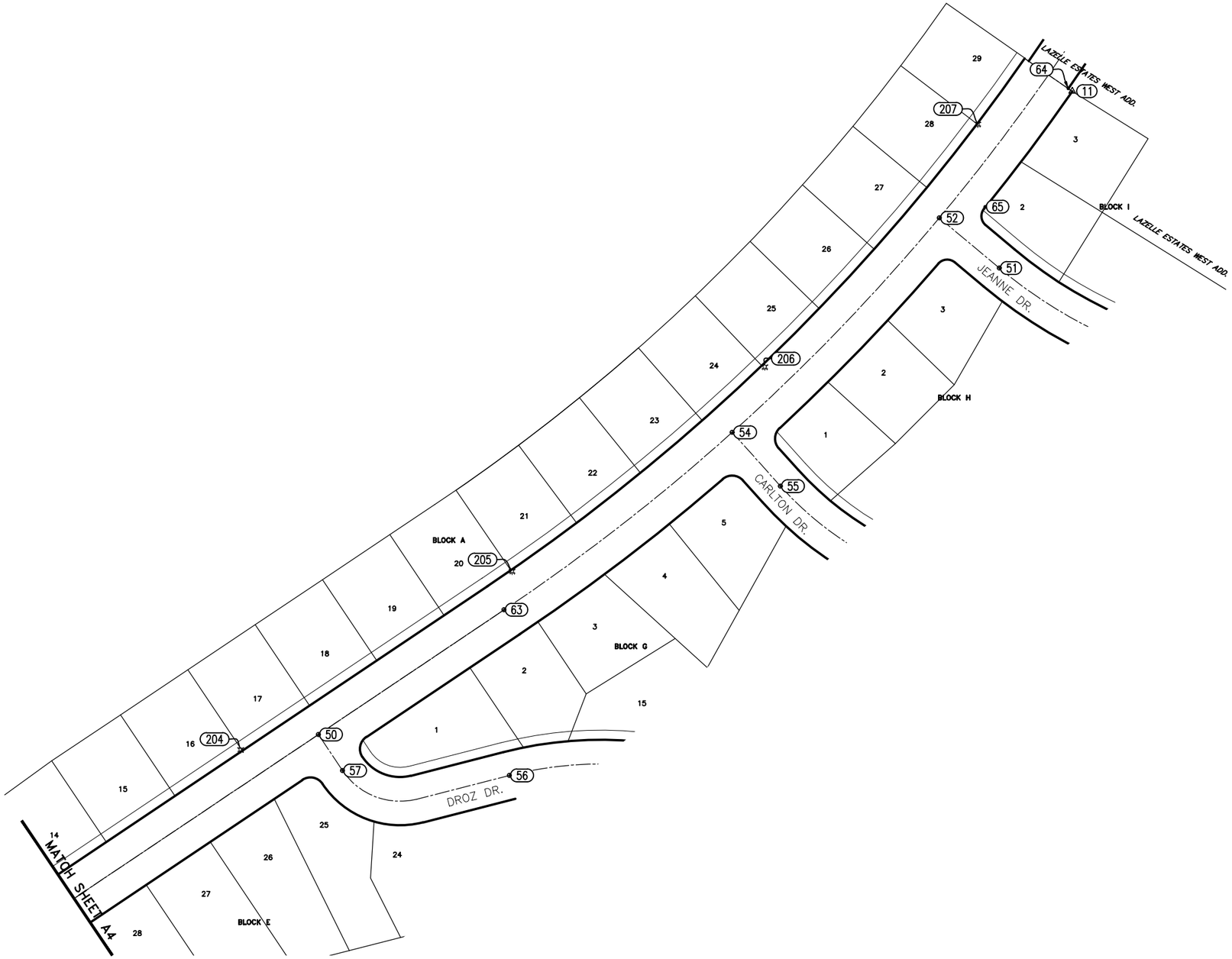

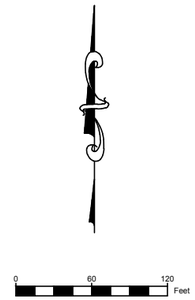

MONUMENTS TO BE REPLACED				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
50	201642.61	683486.79	444.6	SI JOYCE & DROZ
52	202178.38	684130.55	445.3	SI JOYCE & JEANNE
54	201955.92	683915.85	444.6	SI JOYCE & CARLTON
58	201186.24	683091.23	445.4	SI JOYCE & CINDY
61	200917.48	683088.04	445.7	SI JOYCE & LE ANN
62	200642.65	683248.56	445.6	SI JOYCE & SHANNON
63	201771.92	683679.26	444.9	PC CL JOYCE
66	201459.99	683214.56	444.6	PC CL JOYCE

STATE OF ALASKA
49TH
WILLIAM R IRVING JR
LS 13315
REGISTERED PROFESSIONAL LAND SURVEYOR
05/23/2025

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025

SURVEY CONTROL

DATE	REVISION	BY

SCALE:

DESIGNED: RHP/KLL
DRAWN:
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DATE: 02/26/2025

APPROVED

CITY ENGINEER

DATE

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

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OF 29 SHEETS

P:\FAST surface improvements 2025 construction\Joyce Dr\CIVIL3D Dwg Files\L3 Production\SURVEY CONTROL-Joyce Dr-JOYCE DR. - SURVEY CONTROL (2) Fri, May/23/25 02:46pm

ESTIMATE OF QUANTITIES – BASE BID

ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY	
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED	
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	1650	
301.0001.00D1	AGGREGATE BASE COURSE GRADING D–1	TON	935	
304.0001.000F	SUBBASE, GRADING F	TON	2885	
308.0001.0000	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	2490	
401.0001.002B	HMA, TYPE II; CLASS B	TON	655	
401.0004.0000	ASPHALT BINDER, GRADE PG 52–28	TON	36	
603.0021.0012	CORRUGATED POLYETHYLENE PIPE 12 INCH	LINEAR FOOT	965	
603.0021.0018	CORRUGATED POLYETHYLENE PIPE 18 INCH	LINEAR FOOT	610	
603.0021.0024	CORRUGATED POLYETHYLENE PIPE 24 INCH	LINEAR FOOT	285	
604.0001.0000	STORM SEWER MANHOLE, 48 INCH	EACH	7	
604.0003.0000	RECONSTRUCT EXISTING MANHOLE	EACH	1	
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	1	
604.0005.000A	INLET, TYPE A	EACH	16	
626.0001.0008	SANITARY SEWER CONDUIT, 8 INCH	LINEAR FOOT	365	
626.0002.0000	SANITARY SEWER SERVICE CONNECTION	EACH	7	
626.2011.0000	FLUSHWELL	EACH	2	⚠
626.2014.0000	ADJUST FLUSHWELL	EACH	2	
627.0001.0006	DUCTILE IRON WATER CONDUIT, 6 INCH, CLASS 50	LINEAR FOOT	520	
627.0001.0008	DUCTILE IRON WATER CONDUIT, 8 INCH, CLASS 50	LINEAR FOOT	360	
627.0003.0000	INSTALL VALVE BOX	EACH	9	
627.0005.0000	FIRE HYDRANT INSTALLATION	EACH	3	
627.0008.0000	WATER SERVICE CONNECTION	EACH	9	
627.0009.0006	GATE VALVE, 6 INCH	EACH	5	⚠
627.0009.0008	GATE VALVE, 8 INCH	EACH	4	
639.0001.0000	DRIVEWAY	EACH	22	
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED	
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	
642.0006.0000	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	4	
642.0010.0000	MONUMENT CASE	EACH	4	
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	
671.2000.0000	SPEED HUMP	EACH	3	

ESTIMATING FACTORS

ITEM NO.	PAY ITEM	FACTOR
301.0001.00D1	AGGREGATE BAS COURSE GRADING D–1	145 LB / CF
401.0001.002B	HMA, TYPE II; CLASS B	150 LB / CF
401.0004.0000	ASPHALT BINDER, GRADE PG 52–28	5.5% WEIGHT OF 401.0001.002B

ESTIMATE OF QUANTITIES – ADDITIVE ALTERNATE 1

ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
308.0001.0000	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	5250
401.0001.002B	HMA, TYPE II; CLASS B	TON	595
401.0004.0000	ASPHALT BINDER, GRADE PG 52–28	TON	33
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	3
626.2014.0000	ADJUST FLUSHWELL	EACH	4
627.0010.0000	ADJUSTMENT OF VALVE BOX	EACH	3
639.0001.0000	DRIVEWAY	EACH	26
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642.0006.0000	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	5
642.0010.0000	MONUMENT CASE	EACH	5
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
671.2000.0000	SPEED HUMP	EACH	2

NOTES

1. CITY OF FAIRBANKS TO PROVIDE ALL STORM DRAIN PIPE. CONTRACTOR TO PICK UP AT THE CITY OF FAIRBANKS PUBLIC WORKS YARD LOCATED AT 2121 PEGER ROAD AND DELIVER TO CONSTRUCTION SITE.

STATE OF ALASKA 49TH — ROBERT H. PRISBREY — CIVIL ENGINEER — No. 9878 — REGISTERED PROFESSIONAL ENGINEER

05/23/2025

ESTIMATE OF QUANTITIES

DATE	REVISION	BY
05/22/2025	⚠ ADDENDUM #1	RHP/KLL

SCALE:

DESIGNED: RHP/KLL
DRAWN:
CHECKED: RHP
DATE: 02/26/2025

APPROVED

CITY ENGINEER

DATE

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB–25–12

C1
OF 29 SHEETS

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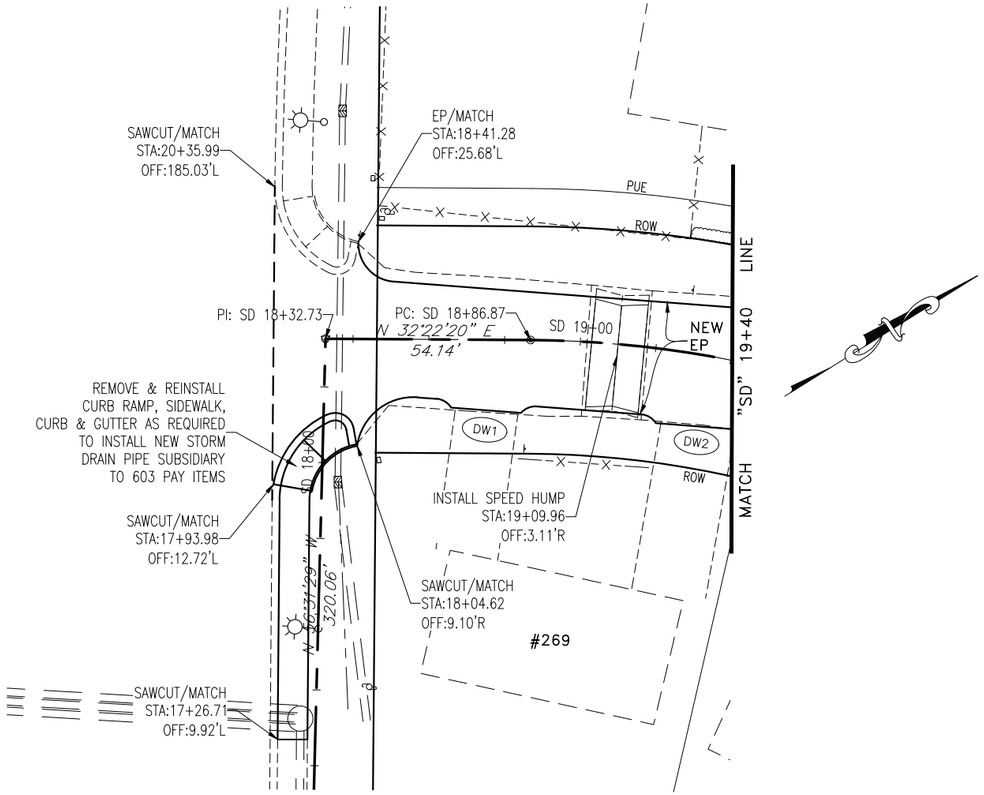

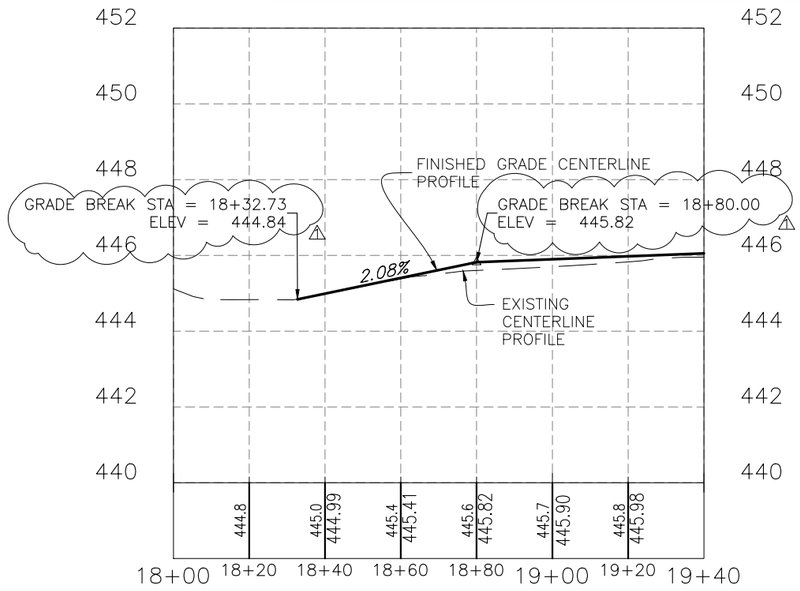

GRADING

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025

DATE	REVISION	BY
05/23/2025	⚠ ADDENDUM #1	RHP/KLL

SCALE:
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1"=40' HORIZ., 1"=4' VERT. (HALF SIZE)

DESIGNED: RHP/KLL
DRAWN:
CHECKED: RHP
DATE: 02/26/2025

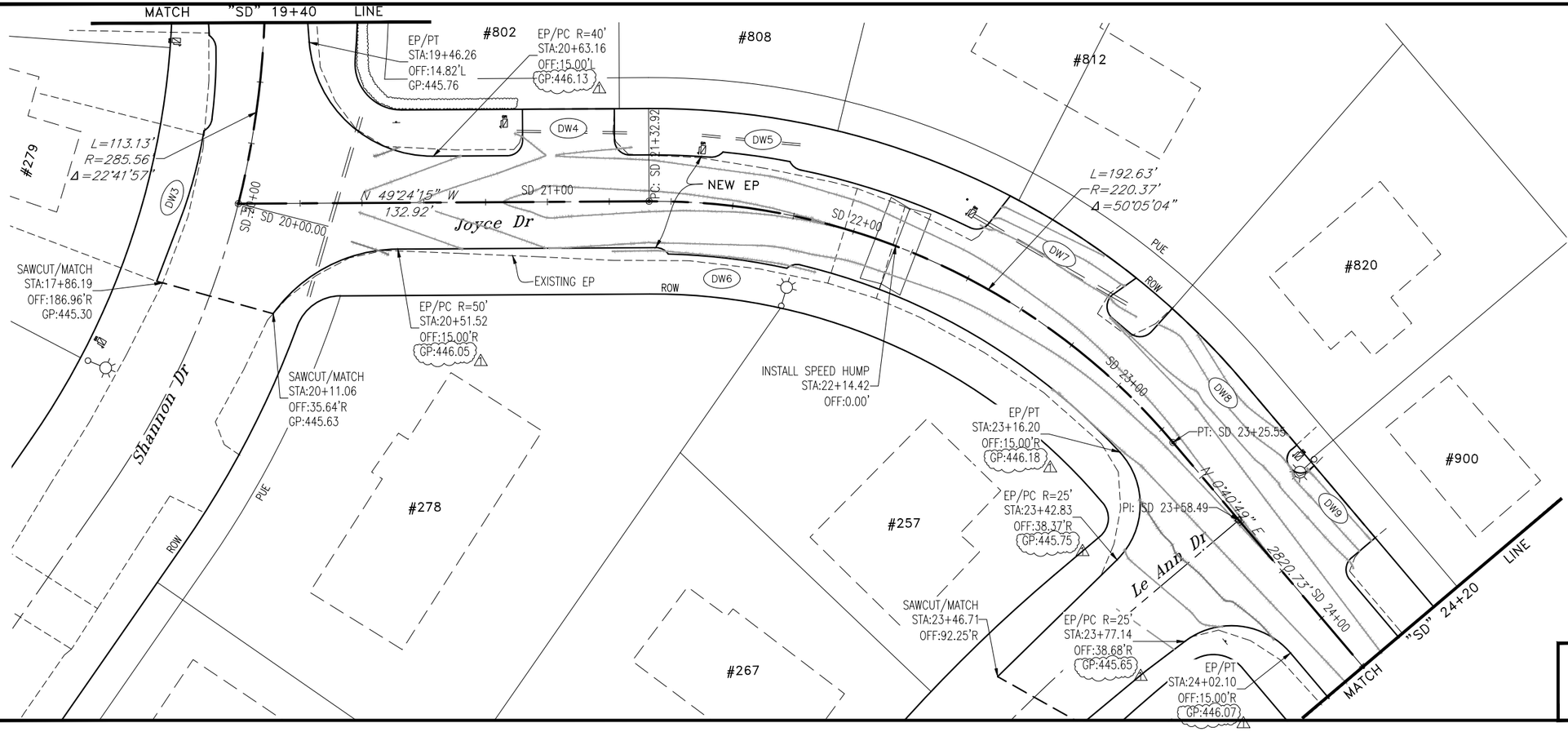
APPROVED
CITY ENGINEER
DATE

CITY OF FAIRBANKS ALASKA

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

F1
OF 29 SHEETS



GRADING

STATE OF ALASKA
49TH
Robert H. Pristash
ROBERT H. PRISTASH
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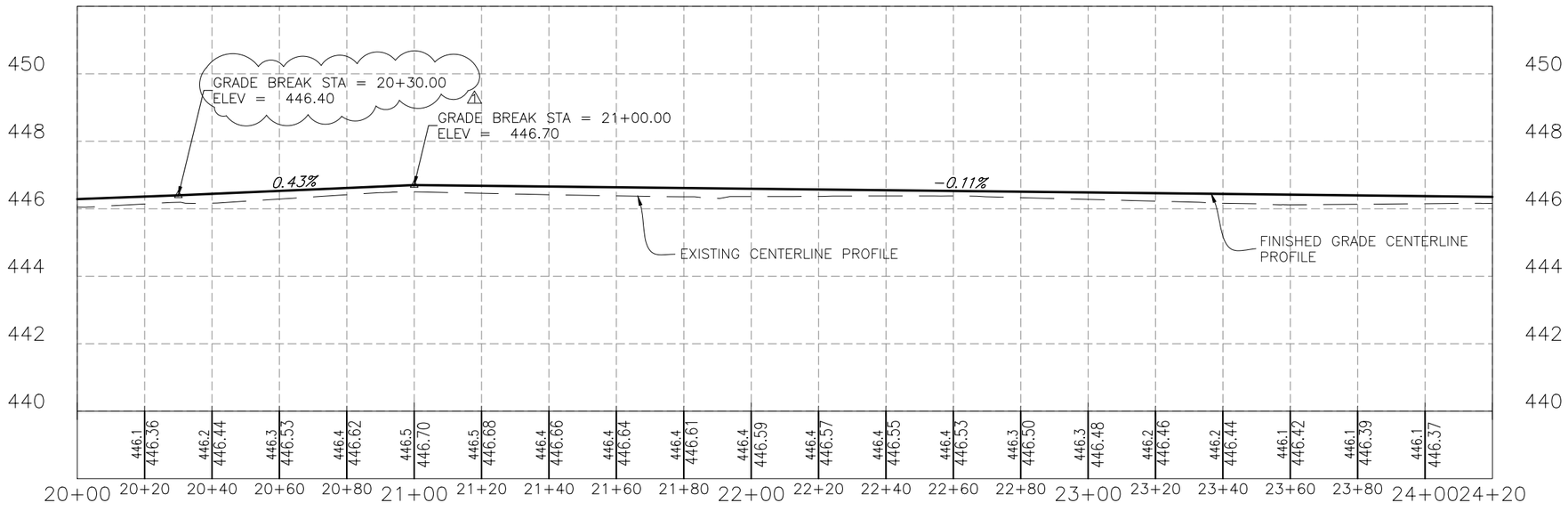
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025



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05/23/2025	⚠ ADDENDUM #1	RHP/KLL

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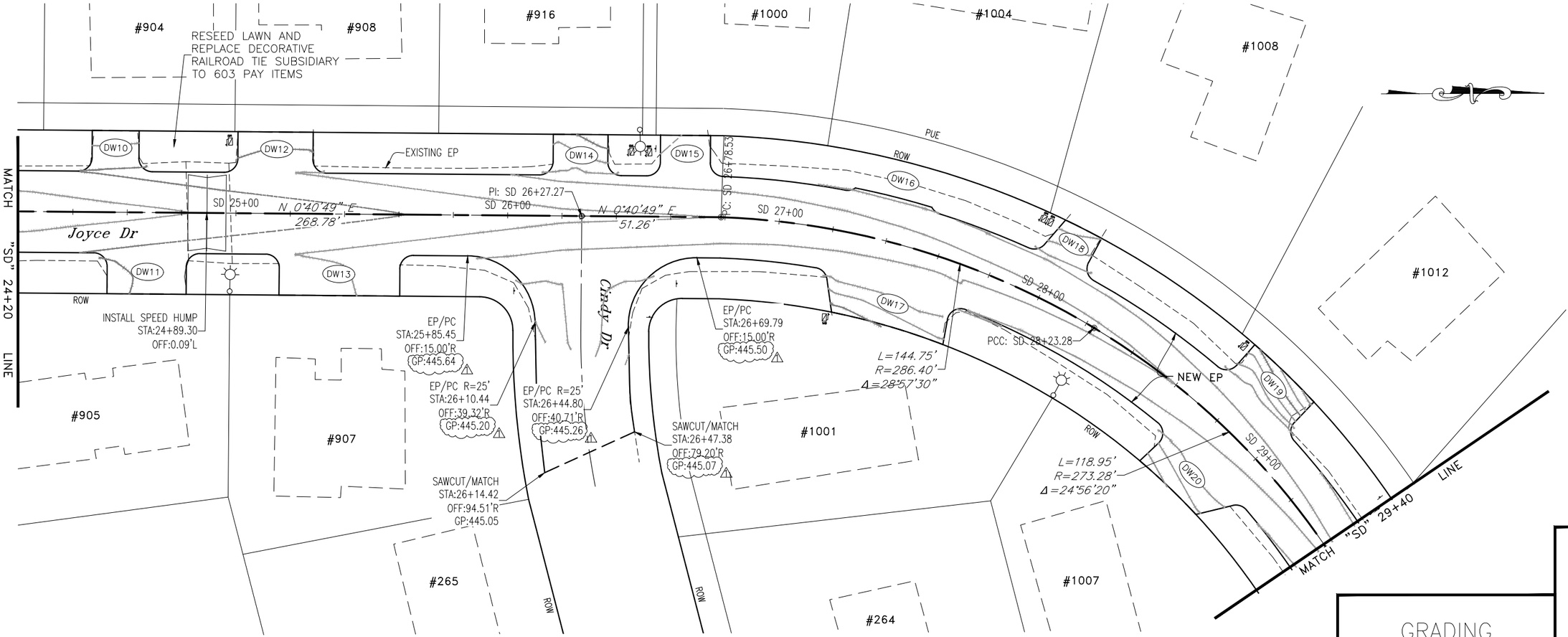
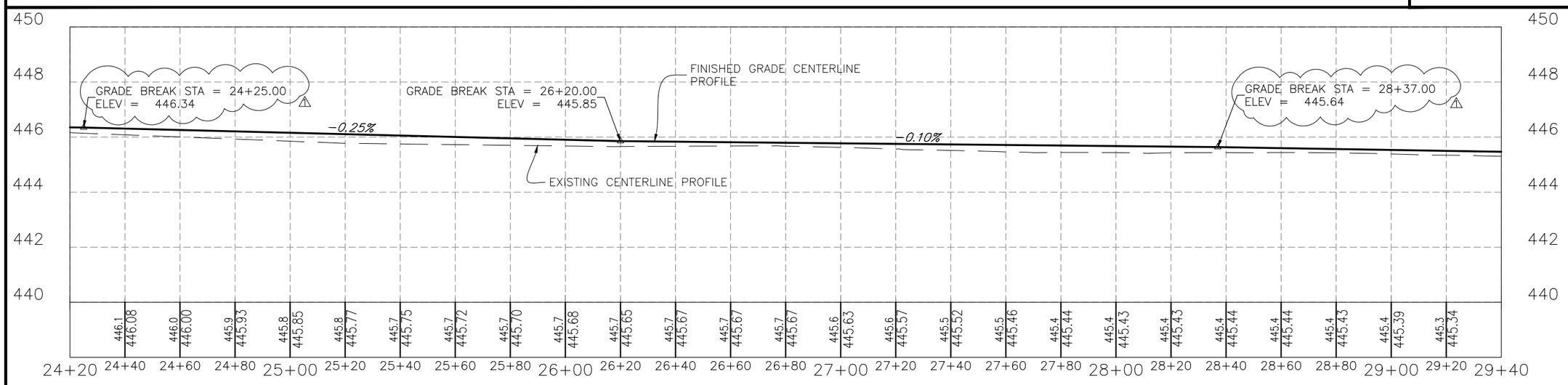
CITY OF FAIRBANKS ALASKA

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

F2
OF 29 SHEETS





GRADING

STATE OF ALASKA 49TH
Robert H. Pristash
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025

DATE	REVISION	BY
05/22/2025	⚠ ADDENDUM #1	RHP/KLL

SCALE:
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APPROVED
CITY ENGINEER
DATE

CITY OF FAIRBANKS, ALASKA
Engineering Department

JOYCE DRIVE IMPROVEMENTS

Project ITB-25-12

F3
OF 29 SHEETS

#1018
#1022
#1030
#1036
#1106
#1110
#1114
#1015
#1021
#1029
#1107
#1117
#303

MATCH "SD" 29+40 LINE

MATCH "SD" 35+00 LINE

INSTALL SPEED HUMP
STA:30+26.52
OFF:0.00'

INSTALL SPEED HUMP
STA:34+60.86
OFF:0.00'

BASE BID
ADDITIVE ALT

PI: SD 29+42.23

DW21 DW22 DW23 DW24 DW25 DW26 DW27 DW28 DW29 DW30 DW31

SD 30+00
SD 31+00
SD 32+00
SD 33+00
SD 34+00

NEW EP
EXISTING EP

PI: SD 32+67.83
PI: SD 32+72.24

N 56°08'47" E 2820.73'
N 56°07'32" E 4.41'
N 56°06'16" E 229.67'

Joyce Dr
Droz Dr

EP/PC
STA:32+27.84
OFF:15.00'R
GP:444.70

EP/PC R=25'
STA:32+52.18
OFF:34.27'R
GP:444.46

EP/PC
STA:33+11.80
OFF:15.00'R
GP:444.86

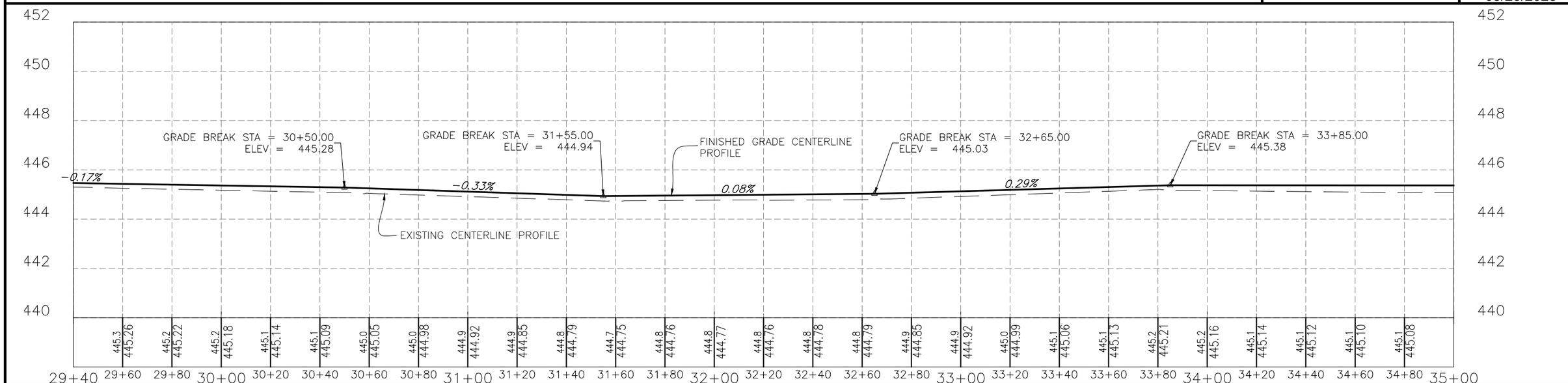
EP/PC R=25'
STA:32+86.71
OFF:40.30'R
GP:444.67

SAWCUT/MATCH
STA:32+57.95
OFF:58.79'R
GP:444.27

SAWCUT/MATCH
STA:32+86.97
OFF:45.66'R
GP:444.65

GRADING

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025



DATE	REVISION	BY
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SCALE:
1"=20' HORIZ., 1"=2' VERT. (FULL SIZE)
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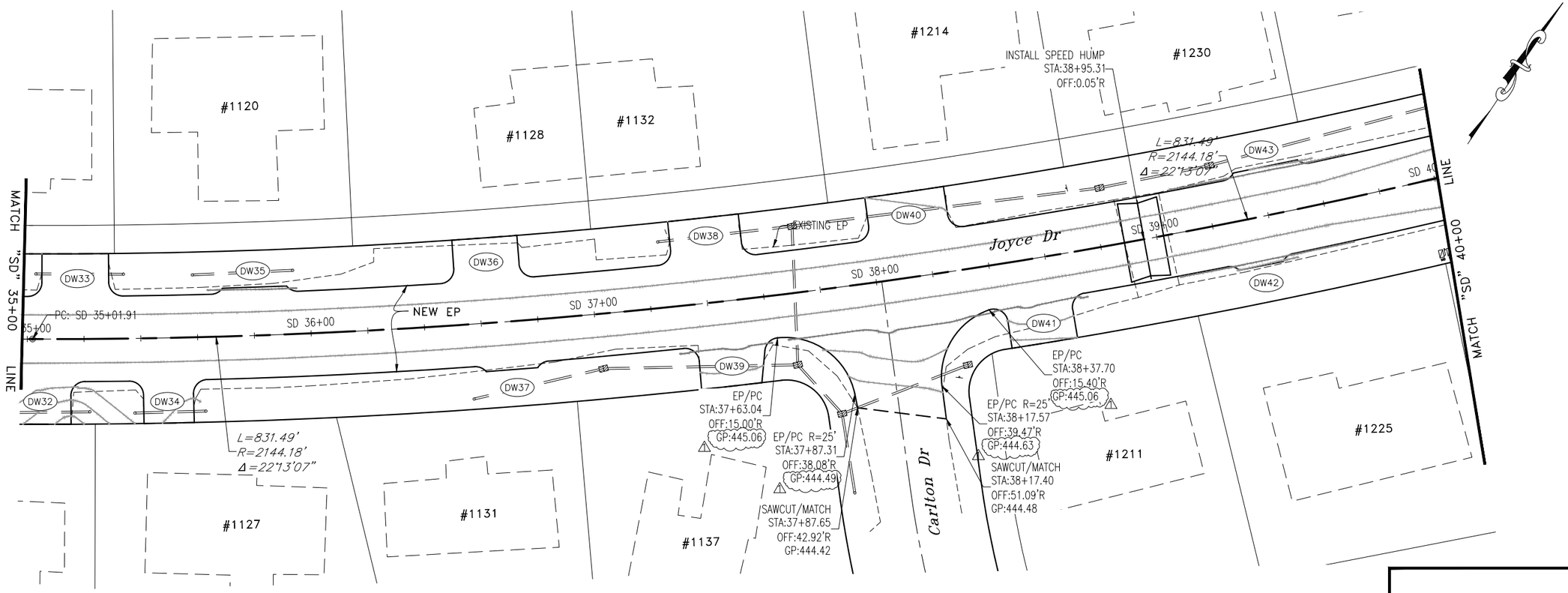
CITY OF FAIRBANKS, ALASKA
Engineering Department

JOYCE DRIVE IMPROVEMENTS

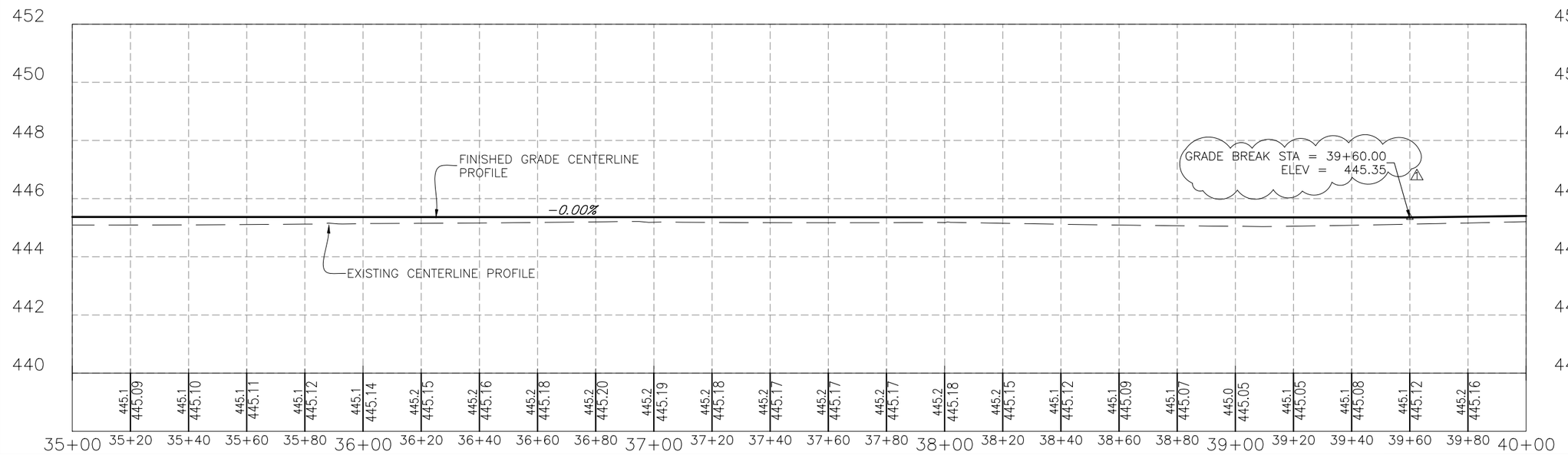
Project ITB-25-12

F4
OF 29 SHEETS



GRADING

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025



DATE	REVISION	BY
05/22/2025	⚠ ADDENDUM #1	RHP/KLL

SCALE:
1"=20' HORIZ., 1"=40' HORIZ.,
1"=2' VERT. 1"=4' VERT.
(FULL SIZE) (HALF SIZE)

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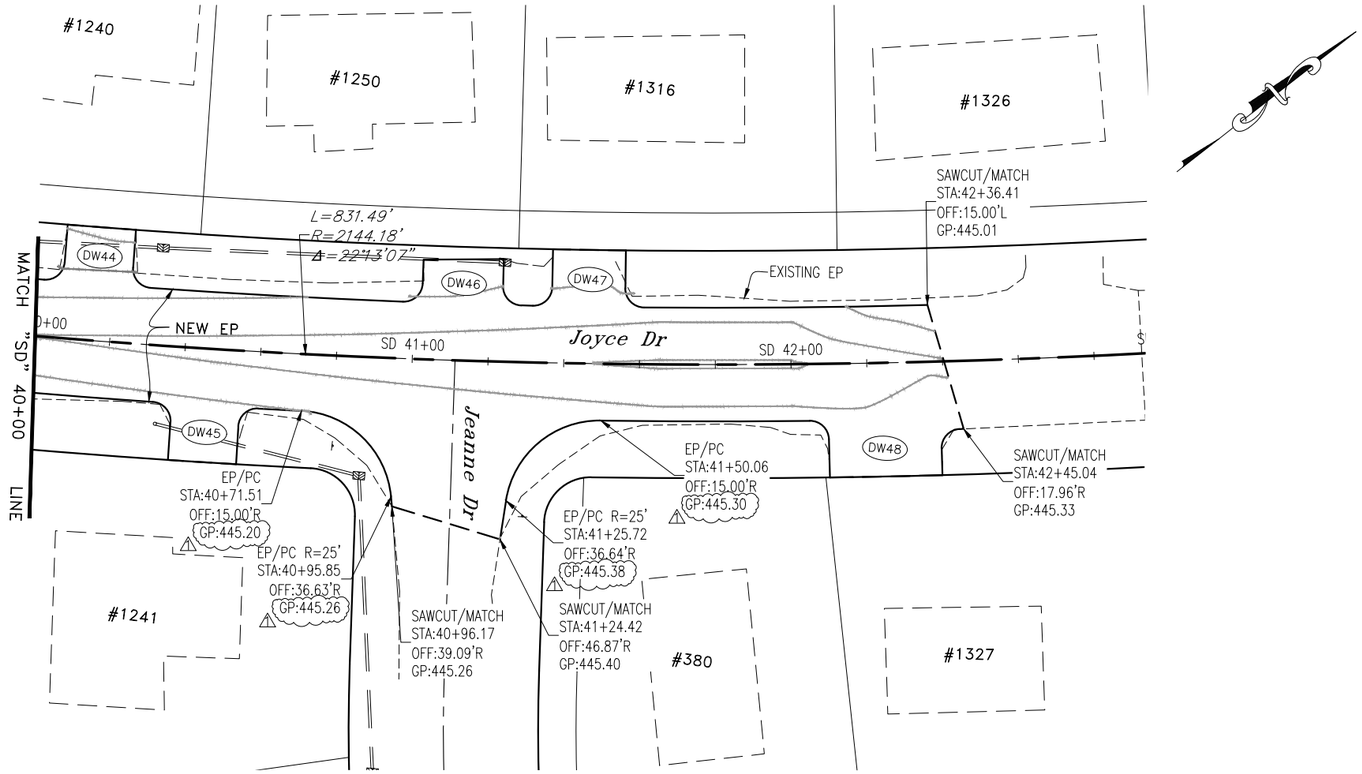
CITY OF FAIRBANKS ALASKA

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

F5
OF 29 SHEETS



GRADING

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
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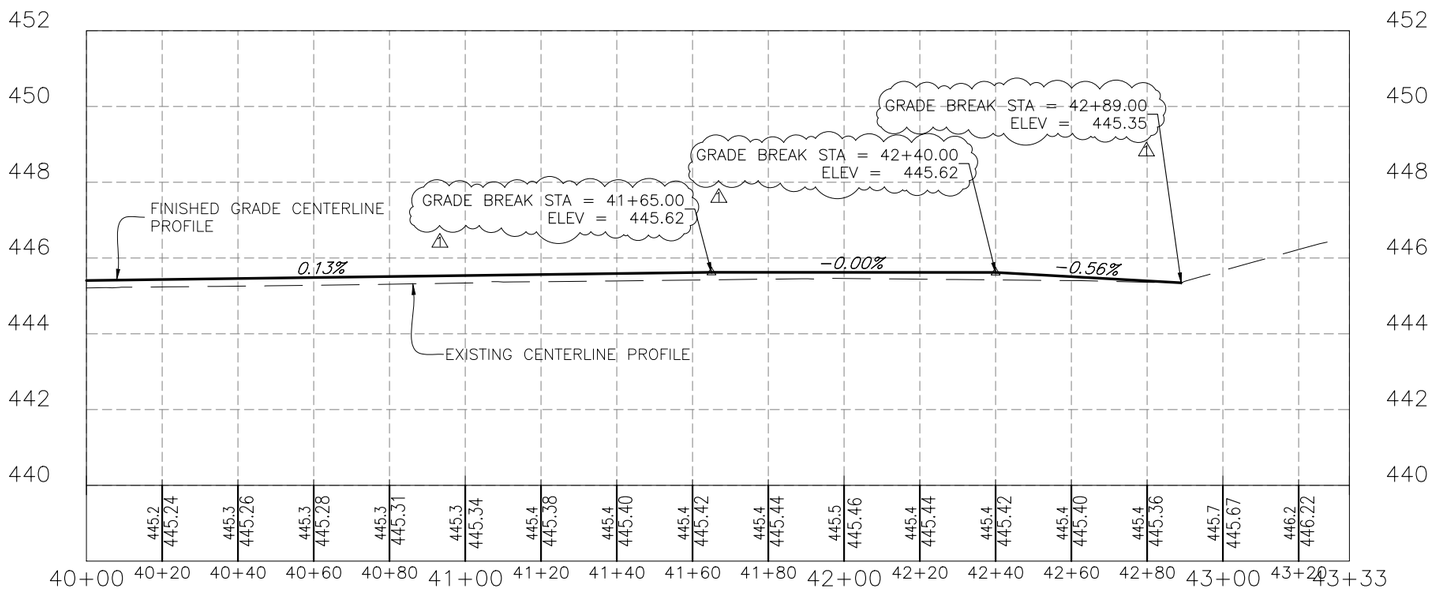
05/23/2025



DATE	REVISION	BY
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SCALE:
1"=20' HORIZ., 1"=2' VERT. (FULL SIZE)
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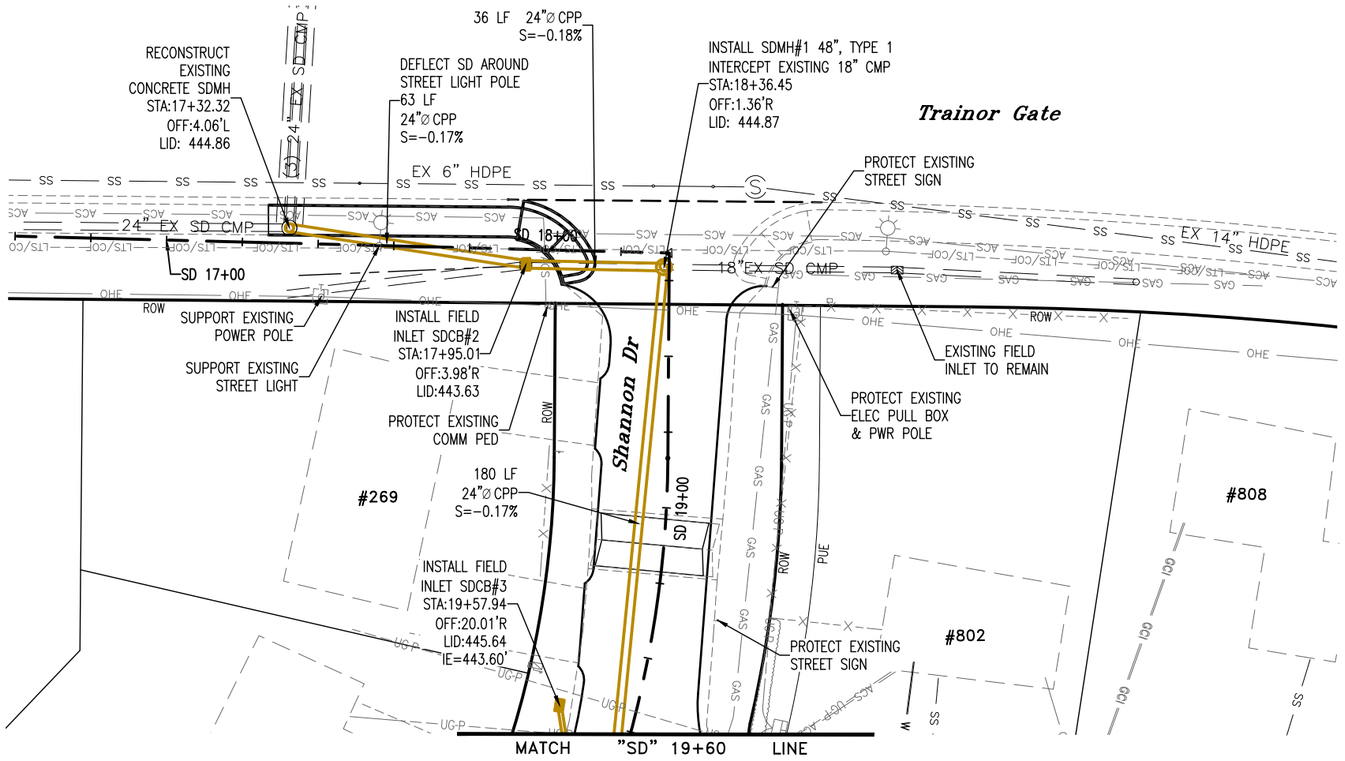
CITY OF FAIRBANKS ALASKA

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

F6
OF 29 SHEETS

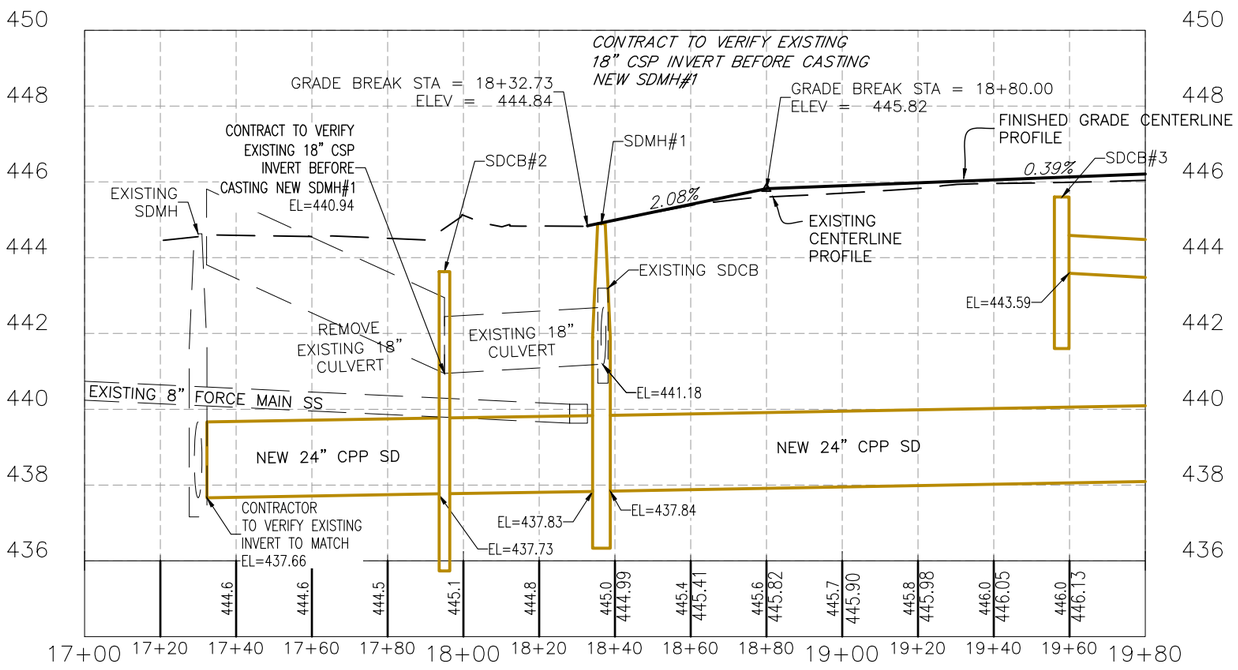


NOTES

1. CITY OF FAIRBANKS TO PROVIDE ALL STORM DRAIN PIPE.
2. ~~NEW SEWER & WATER REPLACEMENT TO BE INSTALLED BY OTHERS.~~

STORM DRAIN

STATE OF ALASKA 49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025



DATE	REVISION	BY
05/23/2025	⚠ ADDENDUM #1	RHP/KLL

SCALE:
1"=20' HORIZ.,1"=40' HORIZ.,
1"=2' VERT. 1"=4' VERT.
(FULL SIZE) (HALF SIZE)

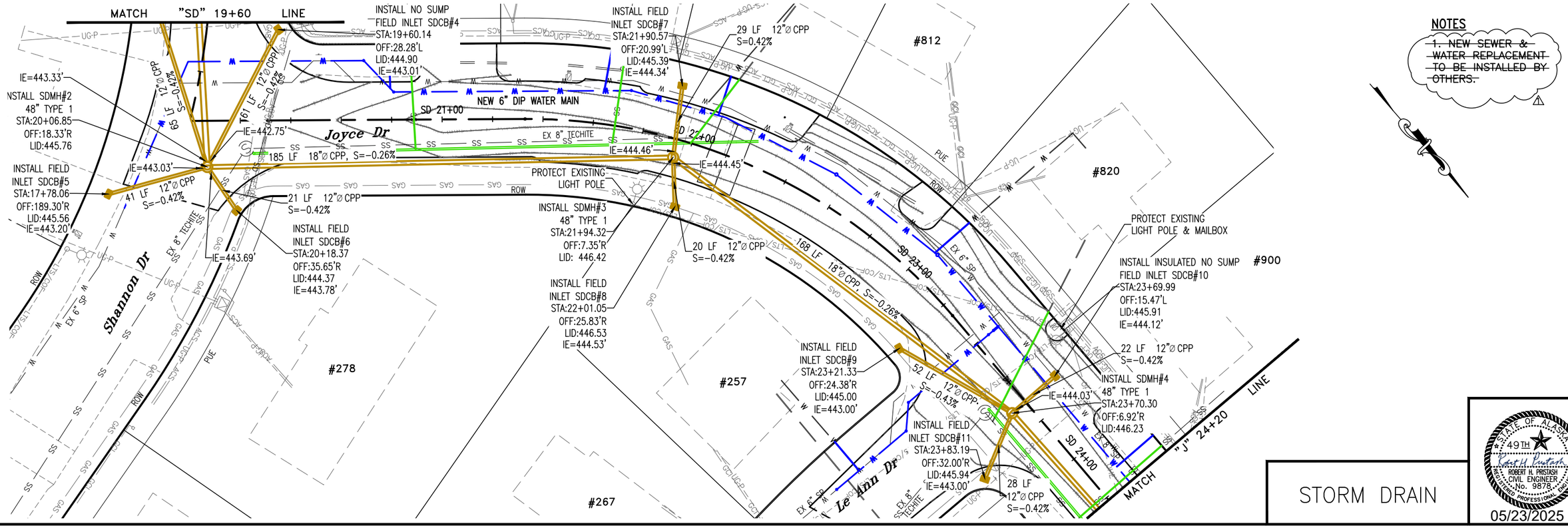
DESIGNED: RHP/KLL
DRAWN:
CHECKED: RHP
DATE: 02/26/2025

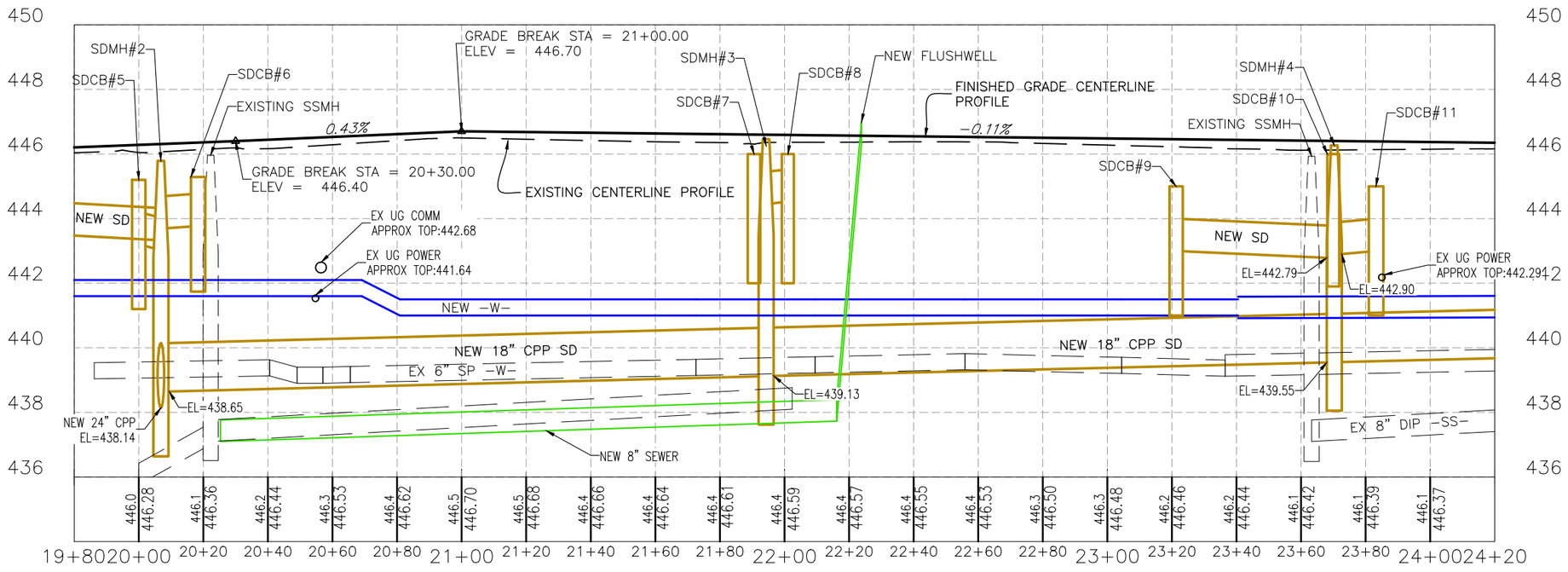
APPROVED
CITY ENGINEER
DATE

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

U1
OF 29 SHEETS





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JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

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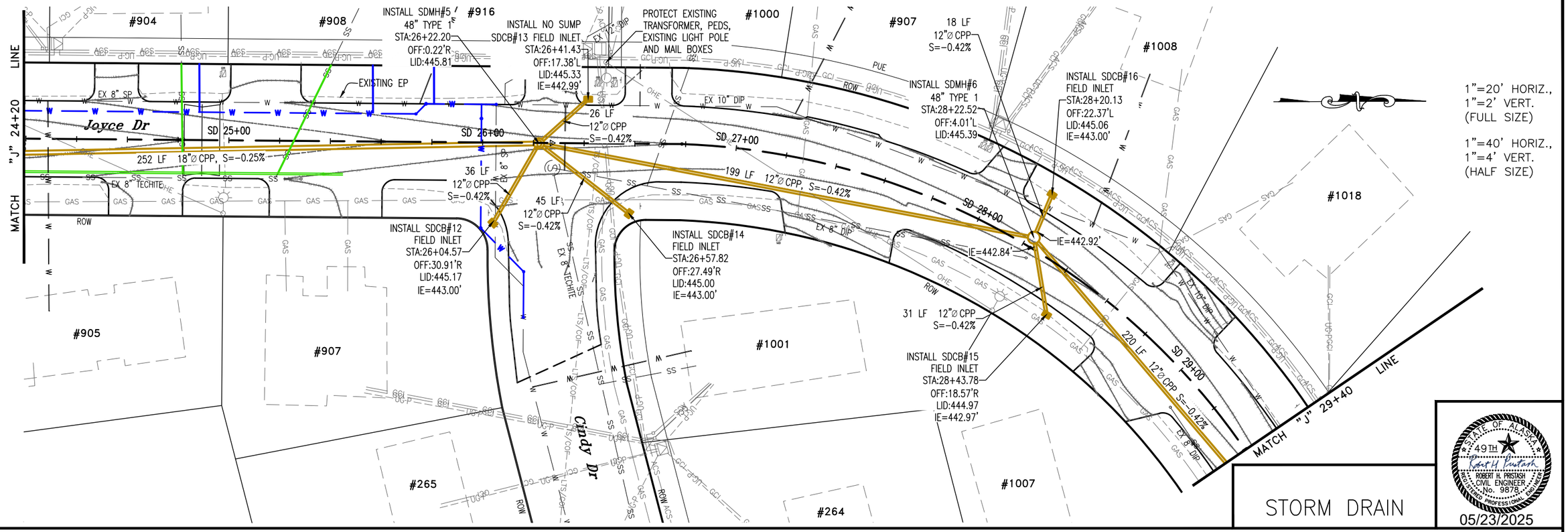
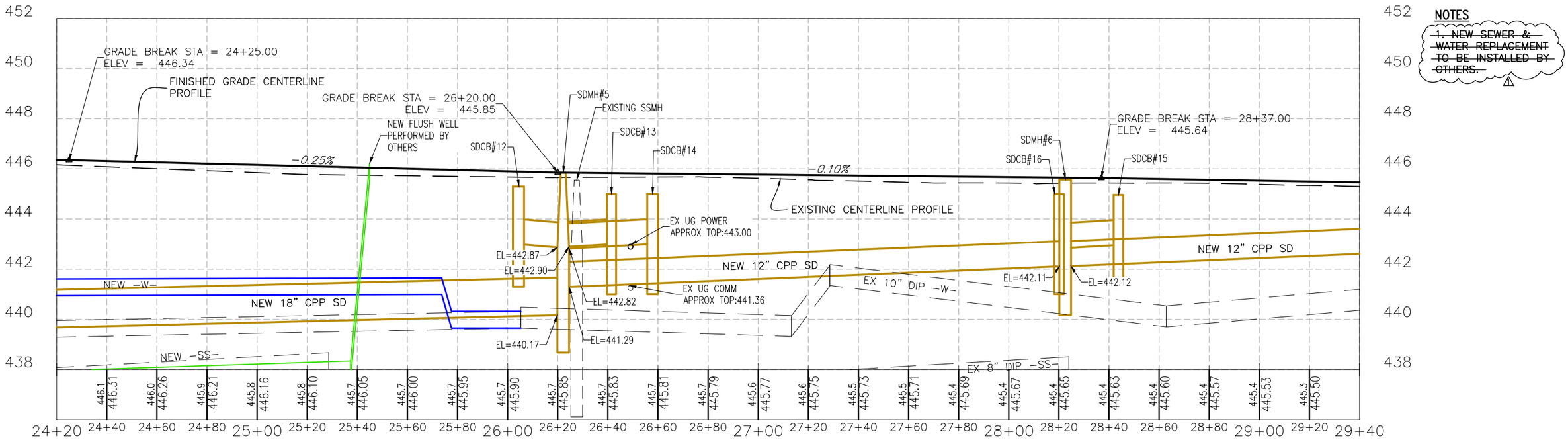
OF 29 SHEETS



STORM DRAIN

STATE OF ALASKA 49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
No. 9878
REGISTERED PROFESSIONAL ENGINEER
05/23/2025



NOTES

1. ~~NEW SEWER & WATER REPLACEMENT TO BE INSTALLED BY OTHERS.~~ ⚠

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APPROVED

CITY ENGINEER

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CITY OF FAIRBANKS ALASKA

JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

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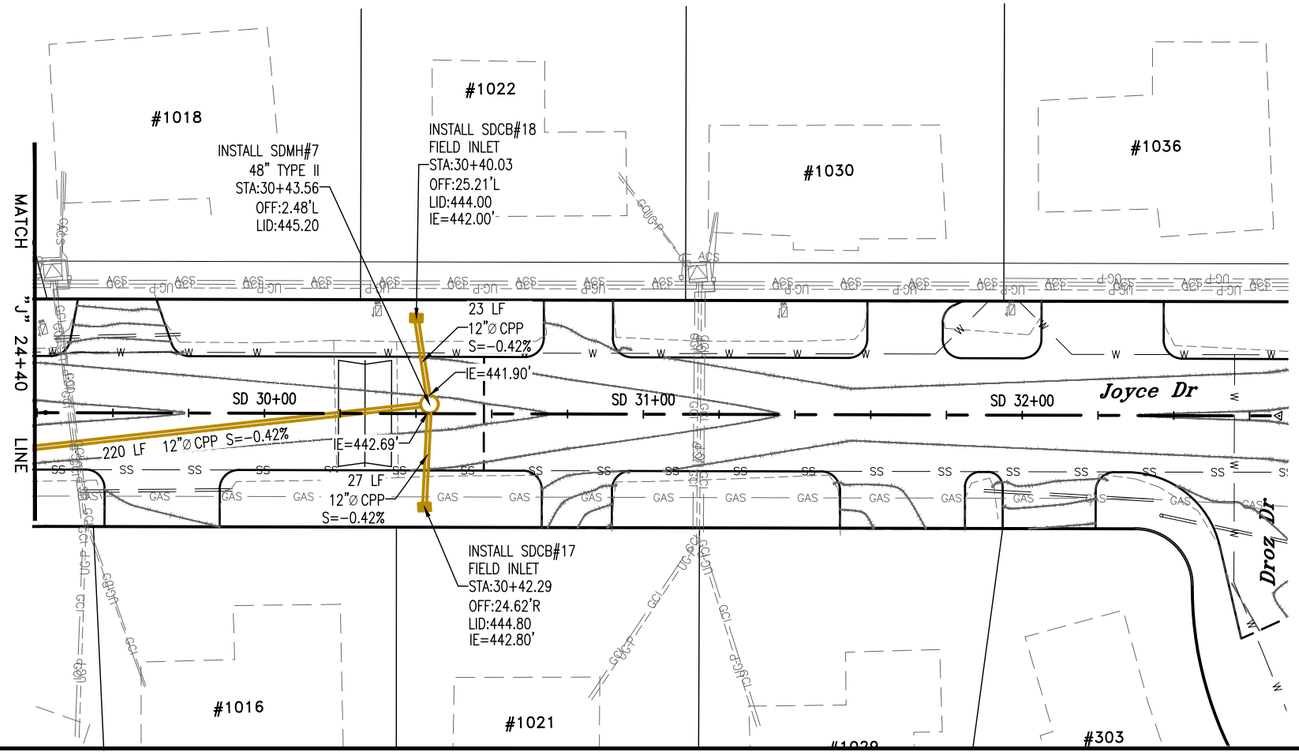
OF 29 SHEETS



1"=20' HORIZ.,
1"=2' VERT.
(FULL SIZE)

1"=40' HORIZ.,
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(HALF SIZE)

STORM DRAIN

STATE OF ALASKA
49TH
ROBERT H. PRISTASH
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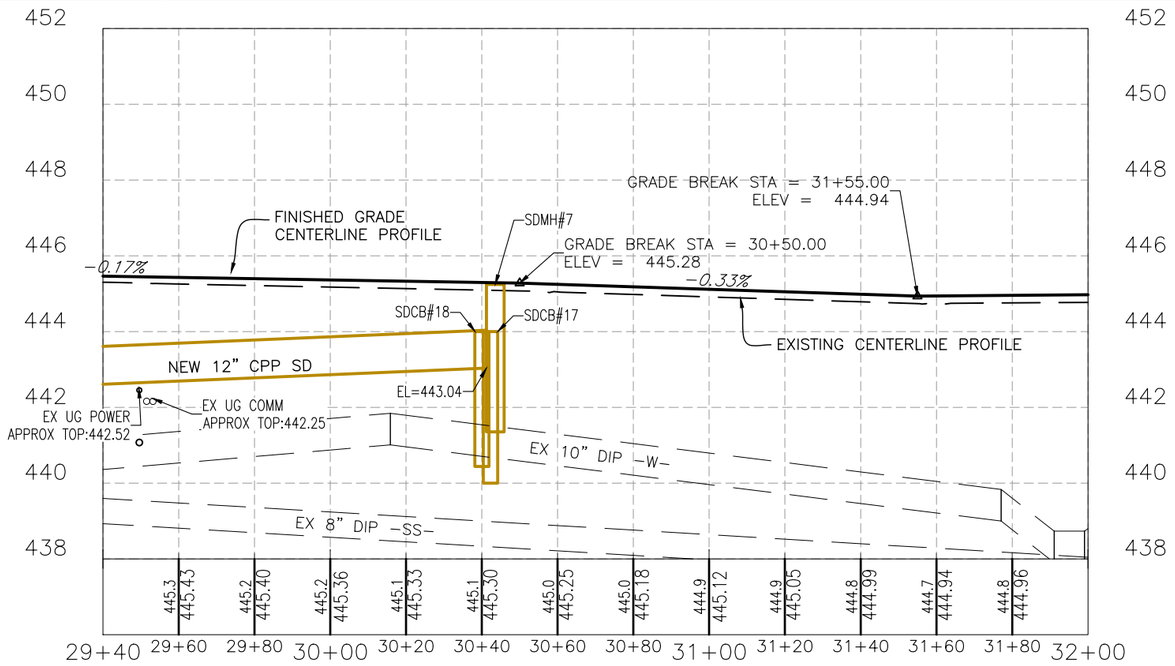

NOTES

1. NEW SEWER & WATER REPLACEMENT TO BE INSTALLED BY OTHERS. ⚠

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JOYCE DRIVE IMPROVEMENTS

CITY OF FAIRBANKS, ALASKA
Engineering Department
Project ITB-25-12

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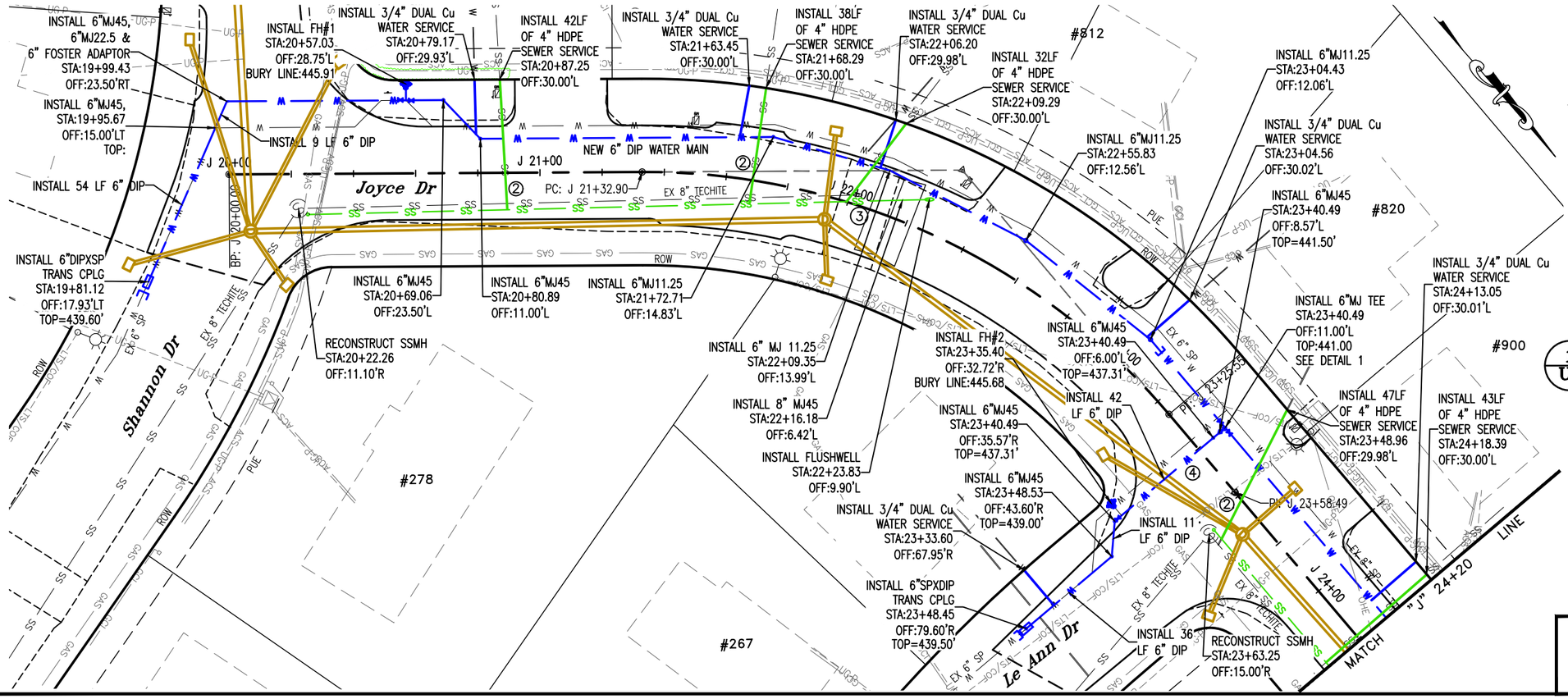
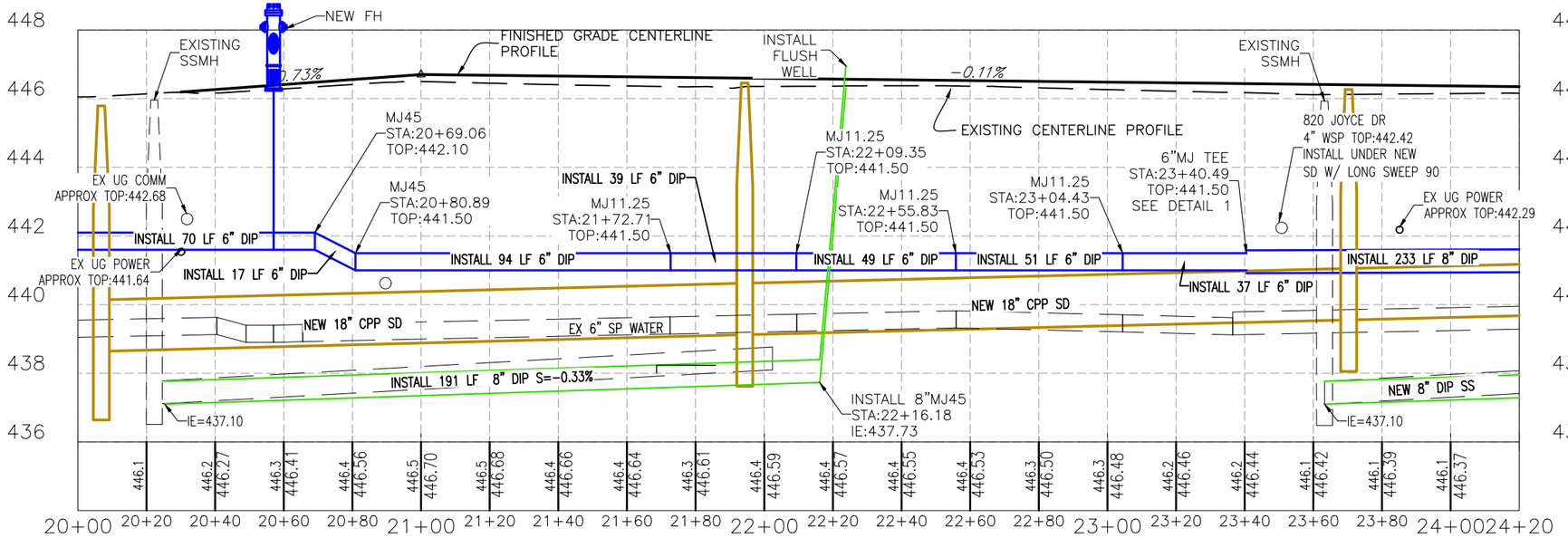


LEE ANN WATER MAIN CONNECTION STA."J"23+40.49, 11.00'LT

1 / U5



NOTES

(2.) INSTALL 2" OF INSULATION TO SEWER SERVICE PIPE FOR 14LF CENTERED ON SD CROSSING.

(3.) INSTALL 3" OF ADDITIONAL INSULATION TO SEWER MAIN FOR 14LF CENTER ON SD CROSSING

(4.) INSTALL 3" OF ADDITIONAL INSULATION TO WATER MAIN FOR 14LF CENTER ON SD CROSSING

WATER & SEWER

STATE OF ALASKA 49TH ROBERT H. PRISTASH CIVIL ENGINEER No. 9878 REGISTERED PROFESSIONAL ENGINEER
05/23/2025

DATE	REVISION	BY
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CITY OF FAIRBANKS, ALASKA
Engineering Department

JOYCE DRIVE IMPROVEMENTS

Project ITB-25-12

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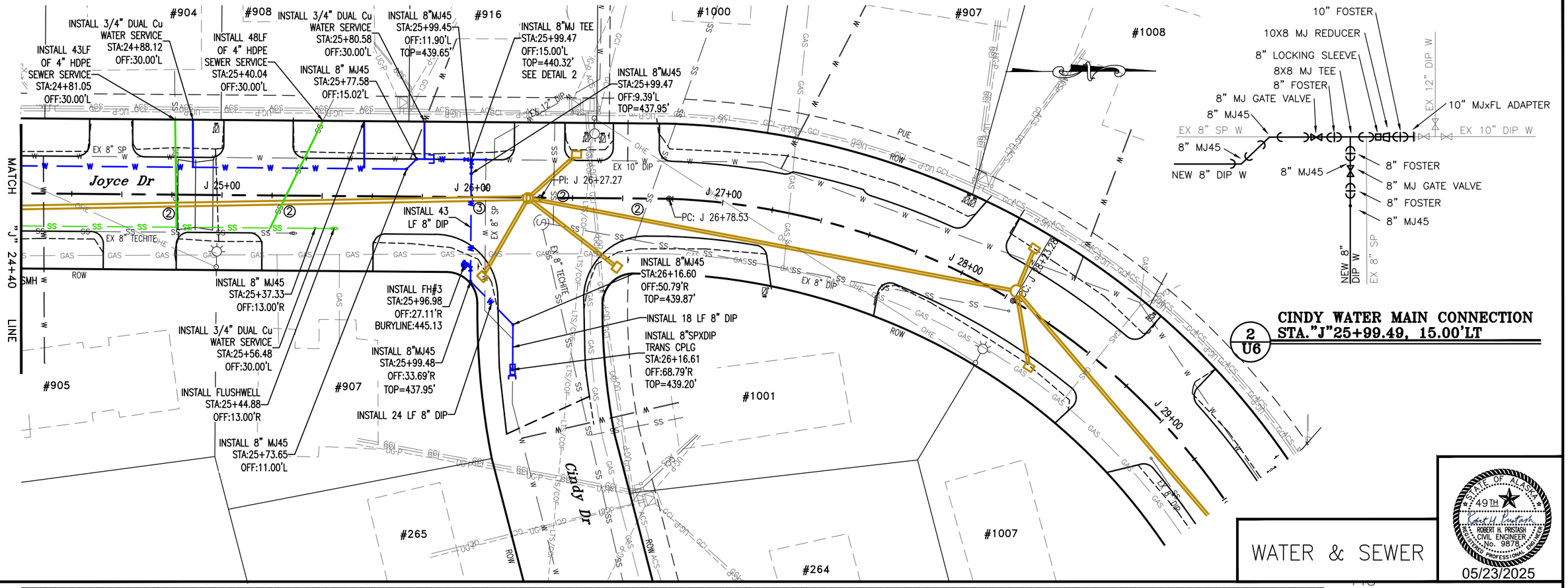
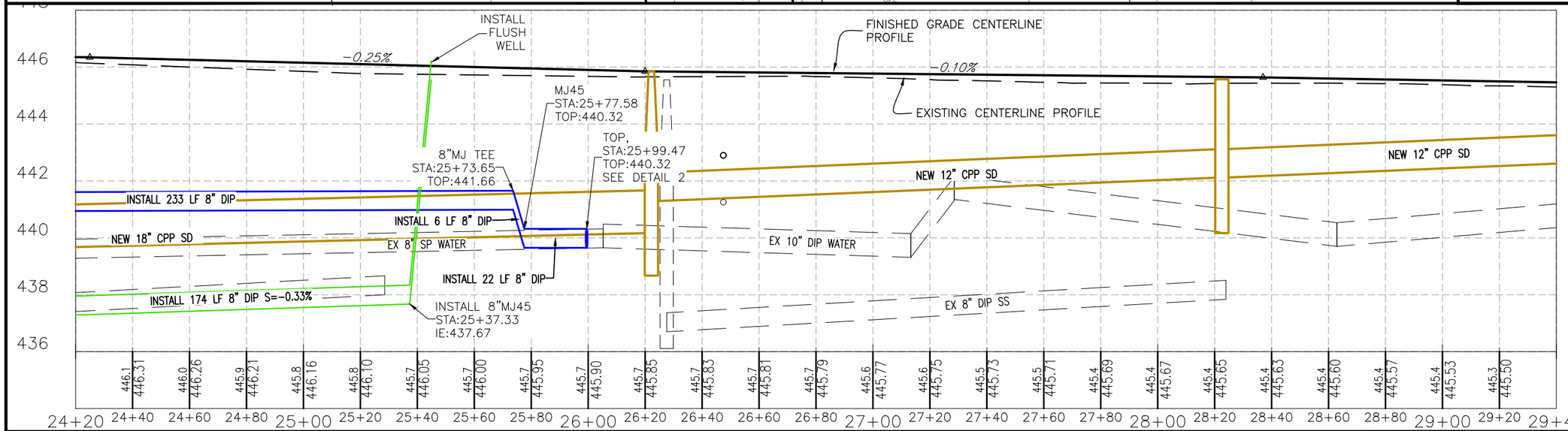
OF 29 SHEETS



CINDY WATER MAIN CONNECTION STA."J"25+99.49, 15.00'LT

2 / U6



NOTES

② INSTALL 2" OF ADDITIONAL INSULATION TO SEWER SERVICE PIPE FOR 14LF CENTERED ON SD CROSSING.

③ INSTALL 3" OF ADDITIONAL INSULATION TO WATER PIPE FOR 14LF CENTERED ON SD CROSSING.

STATE OF ALASKA 49TH
ROBERT H. PRISTASH
CIVIL ENGINEER
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REGISTERED PROFESSIONAL ENGINEER
05/23/2025

WATER & SEWER

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CITY OF FAIRBANKS, ALASKA
Engineering Department
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OF 29 SHEETS

GENERAL NOTES / WATER NOTES

1. GRADES, ALIGNMENTS, APPROACH LOCATIONS, LENGTHS AND LOCATIONS OF STORMDRAINS, UTILITIES, AND INSULATION SHOWN ON THESE PLANS ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER. ALL DISTANCES SHOWN IN THE PLANS ARE HORIZONTAL MEASUREMENTS.

2. SAWCUT ALL MATCH LINES WHERE NEW CONSTRUCTION OF PAVEMENT, SIDEWALK OR CURBING ABUTS EXISTING. SAWCUTS SUBSIDIARY TO RESPECTIVE 626 AND 627 PAY ITEMS.

3. STRUCTURAL EXCAVATION, PIPE BEDDING, AND BACKFILL ARE SUBSIDIARY TO THE ITEMS INSTALLED.

4. GET ENGINEER'S APPROVAL PRIOR TO ANY WORK OUTSIDE OF THE DESIGNATED PROJECT LIMITS, EASEMENT, OR RIGHT OF WAY.

5. PRESERVE / PROTECT OR REPLACE EXISTING LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES TO ORIGINAL / EXISTING CONDITIONS. PAYMENT IS SUBSIDIARY TO ITEM 202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS.

6. NUMEROUS UNDERGROUND UTILITIES EXIST WITHIN THE PROJECT CORRIDOR. THE CONTRACTOR SHALL CONTACT UTILITY OWNERS AND GET LOCATES PRIOR TO ANY EXCAVATION.

7. VERIFY LOCATION AND ELEVATION OF NEARBY UNDERGROUND WATER, SEWER, STORM DRAIN, GAS OR CABLES (BOTH MAINS AND SERVICES), AND REPORT TO ENGINEER BEFORE STARTING WORK THAT WILL CROSS THESE UTILITIES. WORK SUBSIDIARY TO RESPECTIVE 626 AND 627 PAY ITEMS.

8. WORK IS REQUIRED UNDER EXISTING OVERHEAD CABLES. PROTECT EQUIPMENT AND PERSONNEL AS REQUIRED, SUBSIDIARY TO THOSE WORK ITEMS.

9. PAYMENT FOR PAY ITEM 202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL BE LUMP SUM PAYMENT FOR REMOVING ALL ITEMS IN CONFLICT WITH THE IMPROVEMENTS. THESE ITEMS ARE NOT LISTED. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE NATURE OF THIS WORK BEFORE BIDDING.

10. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN STAGING AREA.

11. COMPLY WITH THE LATEST EDITION OF GOLDEN HEART UTILITIES (GHU) "STANDARDS OF DESIGN & CONSTRUCTION" AND "SERVICE LINE STANDARDS".

12. VERIFY ELEVATION OF WATER/ SEWER CONNECTION POINTS AND REPORT THESE SURVEY ELEVATIONS TO THE ENGINEER SO CHANGES CAN BE MADE IN THE GRADES AS REQUIRED TO MATCH EXISTING IMPROVEMENTS. PAYMENT SUBSIDIARY TO 626.0002.0000 SANITARY SEWER SERVICE CONNECTION AND 627.0008.0000 WATER SERVICE CONNECTION.

13. APPLY 2 INCHES OF ADDITIONAL INSULATION TO WATER MAIN OR WATER SERVICE FOR A DISTANCE OF 7 LF EACH SIDE OF ANY STORM DRAIN OR SANITARY SEWER CROSSING AS SHOWN ON PLANS. PAY SUBSIDIARY TO RESPECTIVE 627 PAY ITEMS.

14. APPLY 2 INCHES OF ADDITIONAL INSULATION TO WATER MAIN OR WATER SERVICE WHERE IT IS WITHIN 7 LF HORIZONTALLY OF STORM DRAIN OR SANITARY SEWER MAIN AS SHOWN ON PLANS. PAY SUBSIDIARY TO RESPECTIVE 627 PAY ITEMS.

15. FIELD STAKE ALL WATER LOCATIONS FOR APPROVAL BY ENGINEER PRIOR TO INSTALLATION. WORK SUBSIDIARY TO RESPECTIVE 627 PAY ITEMS.

16. LOCATE ALL WATER SERVICES USING CONTRACTOR PROVIDED MAGNETIC LOCATOR, OTHER DEVICE DESIGNED FOR WATER SERVICE LOCATES, OR ANY MEANS NECESSARY TO FIND THE SERVICES, PAYMENT SUBSIDIARY TO 627.0008.0000 WATER SERVICE CONNECTION.

17. EXPOSE SERVICE SADDLES ON THE EXISTING WATER MAINS AND VERIFY THEY ARE ACTIVE. GHU WILL NOT LOCATE WATER SERVICES. ALL COSTS ASSOCIATED WITH FINDING WATER SERVICES WITHIN 10 FEET LEFT OR RIGHT HORIZONTALLY FROM THE LOCATION SHOWN ON THE PLANS OR STAKED BY THE ENGINEER ARE SUBSIDIARY TO WATER SERVICE CONNECTION OR SEWER SERVICE CONNECTION, RESPECTIVELY.

18. MAINTAIN EXISTING UTILITY CUSTOMER SERVICE EXCEPT MAXIMUM 4 HOUR OUTAGE FOR NEW MAIN OR SERVICE RECONNECTIONS. 48 HOUR ADVANCE PUBLIC NOTICE IS REQUIRED.

19. EXISTING TELECOMMUNICATION CABLES SHOWN ON THE PLAN SHEETS MAY INCLUDE ACS, GCI, OR MTA UTILITIES.

20. ABANDON EXISTING WATER AND SEWER CONDUIT IN PLACE, EXCEPT WHERE CONFLICTS ARISE AS A RESULT OF NEW CONSTRUCTION. WHERE CONFLICTS EXIST, REMOVE EXISTING WATER AND SEWER CONDUIT OUT OF THE PAVEMENT STRUCTURE. PLUG ALL ENDS OF ABANDONED PIPE NOT REMOVED WITH 12 INCHES OF SPRAYED URETHANE FOAM OR 4 INCHES OF CONCRETE OR FILL WITH SLURRY AS SHOWN IN PLANS. PAYMENT IS SUBSIDIARY TO PAY ITEM 202.0001.0000.

21. RESTRAIN ALL MECHANICAL JOINT BENDS AND PUSH ON JOINTS FROM BENDS OR FITTINGS TO TRANSITION COUPLINGS OR WITHIN 45 FEET OF A BEND. RESTRAIN ALL PUSH ON JOINTS SHOWN TO BE DEFLECTED IN THE PLANS. RESTRAIN ALL VALVES OR REDUCERS WITH MEG-A-LUGS OR APPROVED EQUAL. USE MJ ADAPTERS INSTEAD OF SHORT RESTRAINED PUPS.

22. INSTALL ALL SERVICE VALVES AND SADDLES BEFORE MAINLINE TESTING.

23. INSTALL DUAL COPPER TUBING FOR ALL WATER SERVICE RECONNECTIONS WITH SIZE AS INDICATED ON PLANS AND PIPING LENGTH TO RIGHT-OF-WAY. ADAPT TO EXISTING SIZE AS NEEDED.

24. SCHEDULE ALL UTILITY OUTAGES TO TAKE PLACE DURING NON BUSINESS HOURS. ALL COSTS TO PROVIDE AND INSTALL TEMPORARY MEASURES ON EXISTING UTILITIES ARE SUBSIDIARY TO THE UTILITY PAY ITEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES THAT RESULT FROM OUTAGES BEYOND THE PRESCRIBED PERIOD.

25. PAYMENT FOR ALL SHORING, BRACING, TRENCH BOXES, ETC. TO PROTECT BUILDINGS, TRAFFIC, AND PERSONS SHALL BE SUBSIDIARY TO THE STRUCTURE BEING INSTALLED.

26. PROTECT OR REMOVE AND REPLACE IN SAME LOCATION OR TO THE SIDE OF THE ROADWAY, EXISTING MARKER POSTS FOR GAS, BURIED CABLE, WATER, SEWER, OR STORM DRAIN, SUBSIDIARY TO OTHER ITEMS OF WORK.

27. FINAL ADJUSTMENT OF MANHOLE FRAMES AND COVERS, VALVE BOXES AND FLUSHWELLS TO FINISH GRADE IS SUBSIDIARY TO RESPECTIVE PAY ITEMS 604, 626, AND 627.

28. USE MECHANICAL JOINT ADAPTERS FOR ALL FITTING / VALVE ASSEMBLIES.

29. HYDRANT BURY LINE ELEVATIONS SHALL BE INSTALLED AT FINISH GRADE. HYDRANT TEE ELEVATIONS SHALL BE ADJUSTED TO NEAREST NOMINAL HYDRANT BARREL LENGTH.

STATE OF ALASKA 49TH
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UTILITY GENERAL NOTES

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OF 29 SHEETS

P:\FAST surface improvements 2025 construction\Joyce D\CIVIL3D Dwg Files\GHU Joyce Drive Water & Sewer Replacement\P-P_Water-Sewer-NOTES Fri, May/23/25 01:16pm