



Memorandum

July 6, 2022

CONTRACT NO. 1765

CCTV INSPECTION OF ALCOSAN DROP SHAFTS

ADDENDUM NO. 1

All bidders bidding Contract No. 1765 shall read and take note of this Addendum No. 1. The Contract Documents for **Contract No. 1765 – CCTV INSPECTION OF ALCOSAN DROP SHAFTS** are hereby revised and/or clarified as stated below.

Acknowledgement of Contract No. 1765; Addendum No. 1

The Acknowledgement attached to Addendum No. 1 is to be signed and returned immediately via email to **Kathleen Uniatowski** at contract.clerks@alcosan.org and acknowledged with Bidder's Proposal.

Michael Lichte, P.E.

Director – Regional Conveyance

July 6, 2022

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CCTV INSPECTION OF ALCOSAN DROP SHAFTS

ADDENDUM NO. 1

FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

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ADDENDUM NO. 1

INDEX OF ATTACHMENTS

Attachment A Updated Legal Notice, Bid Tab, and Article 2 Pages

Attachment B Additional Drop Shaft Profile Drawings

Attachment C Pre-Bid Meeting Agenda

Attachment D Pre-Bid Meeting Minutes

Attachment E Pre-Bid Meeting Sign-In Sheet

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ADDENDUM NO. 1

A. Contract Documents

1. *Updated Legal Notice included as Attachment A replaces the third sentence of the third paragraph “Bid Security in the amount of Five Thousand Dollars (\$5,000.00) is required.” with “Bid Security in the amount of not less than **Ten percent (10%)** of the Total Lump Sum Price quoted under the Bid is required.”*
2. *All references throughout the contract to the total quantity of drop shafts to be inspected shall be **71 drop shafts**.*
3. *Article 1, p. 1-3, shall change Item 3A-3E to read: **CCTV INSPECTION OF 23 DROP SHAFTS IN THE MONONGAHELA AND TURTLE CREEK INTERCEPTOR SYSTEM.***
4. *Article 1, p. 1-3, shall change the quantity of Item 3A to **15 8” diameter drop shafts**.*
5. *Article 2, Paragraph 2.4, p. 2-5, shall change the first sentence of Item 3 to be “consists of the CCTV inspection of **23** drop shafts in the Monongahela and Turtle Creek interceptor system.”*
6. *Article 2, Paragraph 2.4, p. 2-5, shall change the table for Item 3 to **remove drop shaft M-24-00** from the contract.*

B. Contract Specifications

1. *(No Items)*

D. Contract Drawings

1. *Add drawings “Profile for Contract 1765 – CCTV Inspection of ALCOSAN Drop Shafts.” See Attachment B.*

E. Questions

1. *(No Items)*

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F. Pre-Bid Meeting

1. *Pre-Bid Meeting Agenda, Minutes, and Sign-in Sheet are included as Attachments C, D, and E respectively.*

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ADDENDUM NO. 1

ATTACHMENT A UPDATED LEGAL NOTICE, BID TAB, AND ARTICLE 2 PAGES

ALLEGHENY COUNTY SANITARY AUTHORITY
LEGAL NOTICE
CONTRACT NO. 1765
CCTV INSPECTION OF ALCOSAN DROP SHAFTS

Sealed Bids for **CONTRACT NO. 1765 – CCTV Inspection of ALCOSAN's Drop Shafts** shall be received at the Engineering Department office of the Allegheny County Sanitary Authority, 3300 Preble Avenue, Pittsburgh, PA, 15233, until **11:00 A.M., Prevailing Time, Tuesday, July 12, 2022**, and then shall be publicly opened and read. A Pre-Bid Meeting will be held via a video conference call on **Thursday, June 16, 2022, at 10:00 A.M., Prevailing Time**. Prospective Bidders are encouraged to attend this meeting. **Attendance at the Pre-Bid meeting is not mandatory.**

ALCOSAN encourages businesses owned and operated by minorities and women to submit bids on Authority Contracts or to participate as subcontractors or suppliers to successful Bidders. Successful Bidders are to use minority and women's businesses to the fullest extent possible.

Contract Documents may be examined and obtained at the Engineering office of the Authority. A non-refundable fee of **One hundred dollars (\$100) (no cash or credit cards will be accepted)** will be charged for each set of Contract Documents received. Bid Security in the amount of not less than **Ten percent (10%)** of the Total Lump Sum Price quoted under the Bid is required. The successful Bidder will be required to furnish a Performance Bond equal to the Bid Price. **Contract documents must be purchased directly from ALCOSAN to qualify as an eligible bidder.**

Any questions regarding the **Technical Specifications** should be directed to **Milton Lenhart P.E., ALCOSAN**, via email to milton.lenhart@alcosan.org.

Any questions regarding the **Purchase of Contract Documents** should be directed to **Kathleen P. Uniatowski, ALCOSAN**, via email to contract.clerks@alcosan.org.

The Authority reserves the right to reject any or all bids, to waive any informality in any bid and to accept any bid should it be deemed in the interest of the Authority to do so.

ALLEGHENY COUNTY SANITARY AUTHORITY



Michael Lichte, P.E.
Director of Regional Conveyance

CONTRACT NO. 1765
CCTV INSPECTION OF ALCOSAN DROP SHAFTS
IN ACCORDANCE WITH THE CONTRACT DOCUMENTS
BID ITEMS

Item	Description	Quantity	Unit	Bid \$\$	Total \$\$
1A – 1E: CCTV INSPECTION OF 28 DROP SHAFTS IN THE ALLEGHENY INTERCEPTOR SYSTEM					
1A	CCTV Inspection of 8” Diameter Drop Shafts	15	EACH		
1B	CCTV Inspection of 12” Diameter Drop Shafts	8	EACH		
1C	CCTV Inspection of 16” Diameter Drop Shafts	3	EACH		
1D	CCTV Inspection of 18” Diameter Drop Shafts	1	EACH		
1E	CCTV Inspection of 24” Diameter Drop Shafts	1	EACH		
2A – 2C: CCTV INSPECTION OF 20 DROP SHAFTS IN THE OHIO INTERCEPTOR SYSTEM					
2A	CCTV Inspection of 8” Diameter Drop Shafts	10	EACH		
2B	CCTV Inspection of 12” Diameter Drop Shafts	9	EACH		
2C	CCTV Inspection of 16” Diameter Drop Shafts	1	EACH		
3A – 3E: CCTV INSPECTION OF 23 DROP SHAFTS IN THE MONONGAHELA AND TURTLE CREEK INTERCEPTOR SYSTEM					
3A	CCTV Inspection of 8” Diameter Drop Shafts	15	EACH		
3B	CCTV Inspection of 12” Diameter Drop Shafts	3	EACH		

Item	Description	Quantity	Unit	Bid \$\$	Total \$\$
3C	CCTV Inspection of 16" Diameter Drop Shafts	2	EACH		
3D	CCTV Inspection of 18" Diameter Drop Shafts	2	EACH		
3E	CCTV Inspection of 24" Diameter Drop Shafts	1	EACH		
CONTINGENT ITEMS					
C-4	Heavy Cleaning at a minimum to include Hydrovac/Jetter Truck – 12 Yard Debris Capacity, 1500 Gallon Water Tanks, 2000 psi Water Pressure High-Velocity Jetter at 80 gpm, 1500 Feet of 1-1/4" I.D. Jetter Hose	80	HR		
C-5	Light Cleaning	80	HR		
C-6	Miscellaneous Work for a Full-Time Crew	40	HR		

TOTAL BASE BID (Total Items 1 through 3, plus Contingent Items C-4 through C-6)

_____ dollars and
 _____ (words)
 _____ cents
 _____ (words)
 \$ _____
 (figures)

The undersigned Bidder agrees to take notice of and shall be responsible for any local or state taxes levied and applicable, and the costs for same are included as part of this Bid. Certain of the Bidder's tax obligations are described in more detail in the Contract Provisions Section entitled "Sales and Use Tax."

It is understood that the Authority reserves the right to waive any informality in or reject any or all bids and to withhold the awarding of the Contract for sixty (60) calendar days after the date of actual opening of the bids.

ITEM 3 consists of the CCTV inspection of 23 drop shafts in the Monongahela and Turtle Creek interceptor system. The following table defines the diameter and the approximate depth to the deep tunnel interceptor for each drop shaft.

Drop Shaft ID	Diameter (inches)	Depth (feet)
M-01-00	8	68
M-02-00	16	68
M-04-00*	18	69
M-11-00	8	66
M-12-00	8	63
M-13-00	8	65
M-14-00	8	63
M-15-00	16	65
M-17-00	8	66
M-18-00	8	72
M-20-00	18	66
M-21-00	12	67
M-23-00	8	63
M-24-00	8	61
M-26-00	8	60
M-27-00	24	60
M-52-00	8	40
M-53-00	8	31
M-54-00	12	35
M-56-00	8	37
M-57-00	8	38
M-58-00	8	35
M-61-00**	12	33
T-02-00***	8	56

Conditions are not typical at the following drop shafts.

*M-04 drop shaft has a ladder bolted into it which obstructs the plug for the municipal line,

**M-61 structure is impacted by the Edgar Thompson Steel operation, coordination with facility is required,

***T-02 drop shaft may necessitate use of a flow through plug.

The intent and meaning of the Contract Documents are that the Successful Bidder shall, under each Contract, take any and all actions as are necessary and/or required to provide detailed construction, labor, supervision, materials, supplies, services, equipment, transportation facilities and appurtenances thereto, whether temporary or permanent, and such other items incidental to the execution of the Work.

ITEM C-4 consists of Heavy Cleaning at a minimum to include Hydrovac/Jetter Truck – 12 Yard Debris Capacity, 1500 Gallon Water Tanks, 2000 psi Water Pressure High-Velocity Jetter at 80 gpm, 1500 Feet of 1-¼” I.D. Jetter Hose. The unit price shall include all superintendence, labor, materials, equipment to perform the work onsite, as directed. The minimum crew shall consist of a trained operator and a laborer. Any other incidental costs associated with this bid item shall be included in the unit price bid. No payment will be made for travel time. The hydrovac/jetter truck shall be a combination cleaning truck and shall meet the

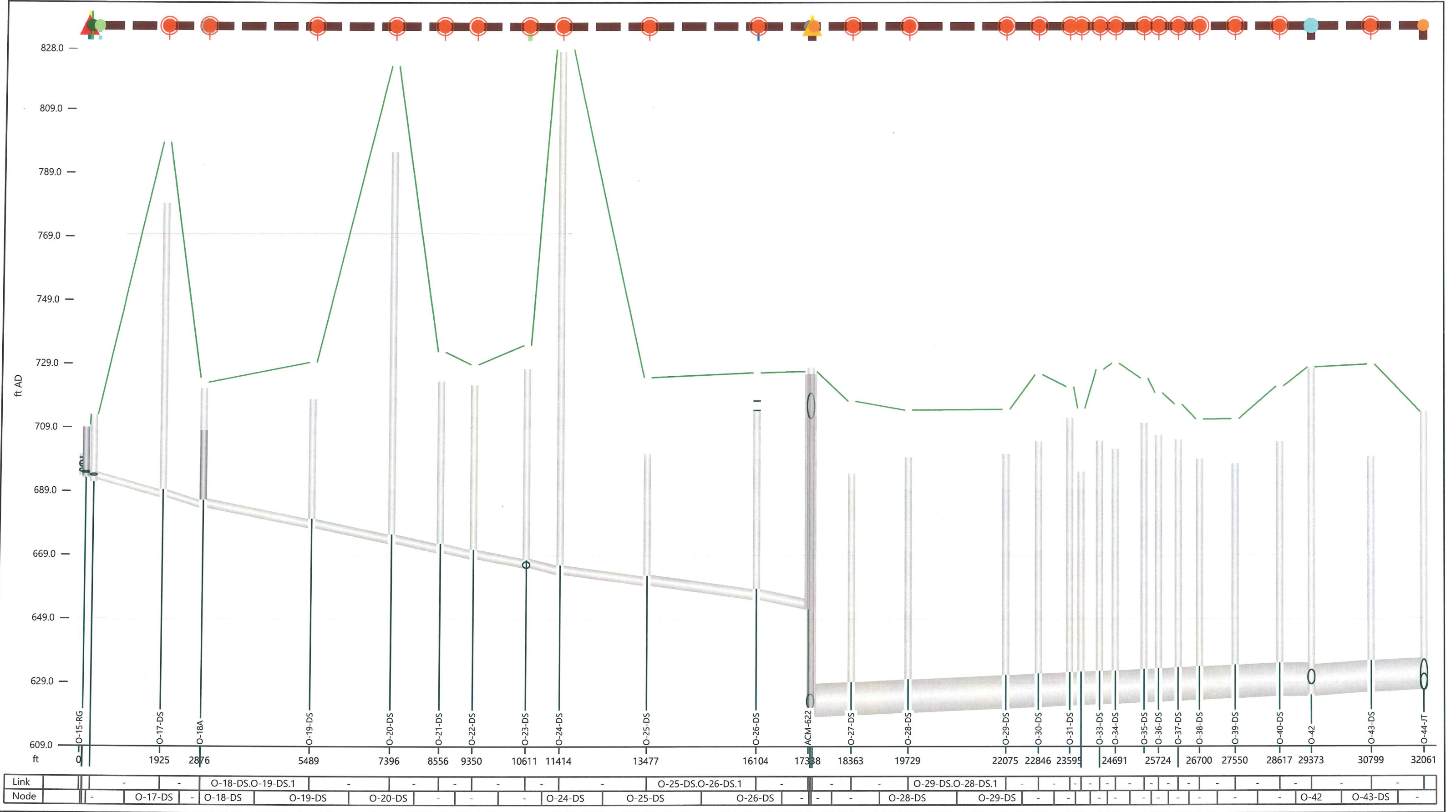
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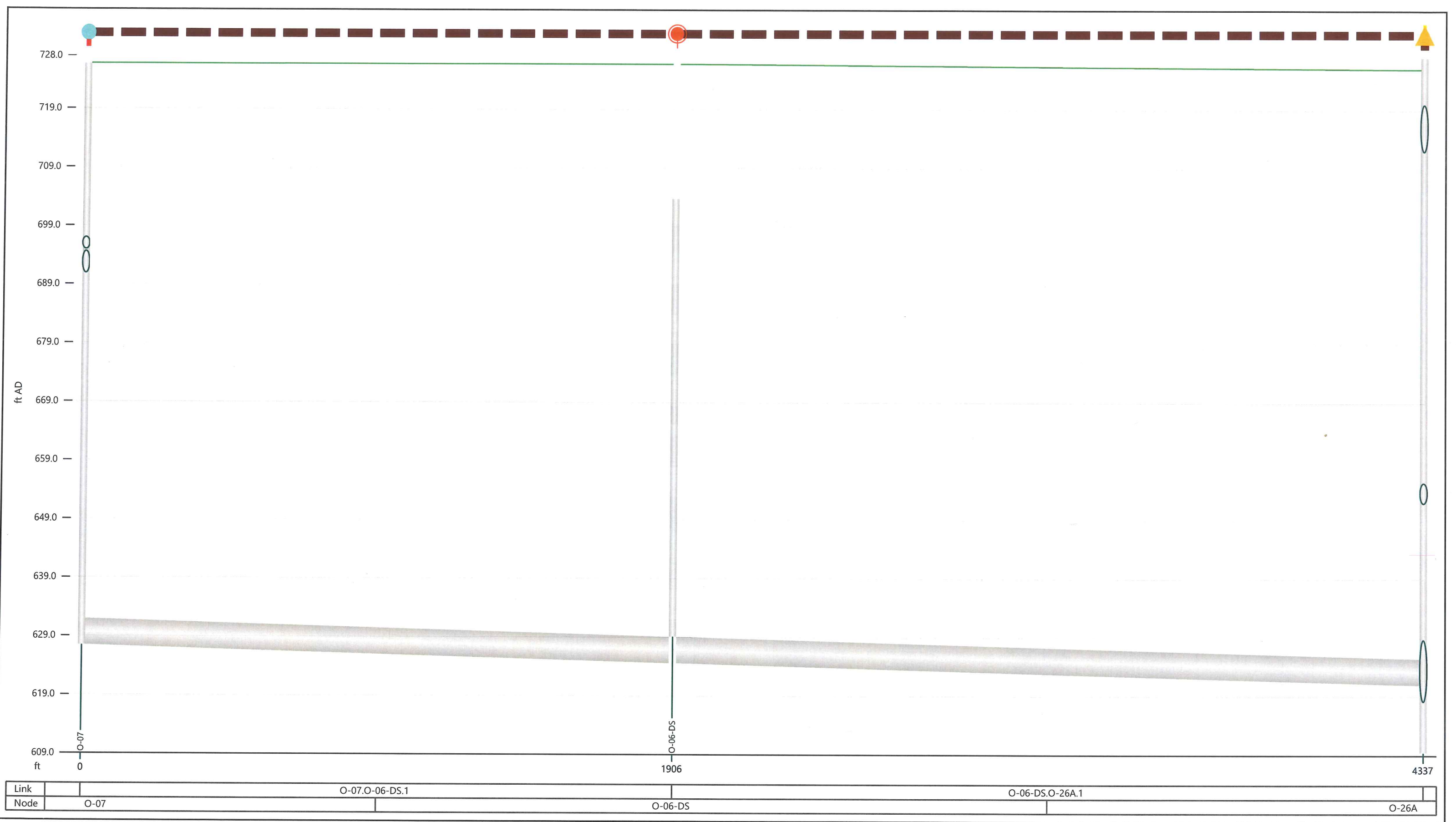
CCTV INSPECTION OF ALCOSAN DROP SHAFTS

ADDENDUM NO. 1

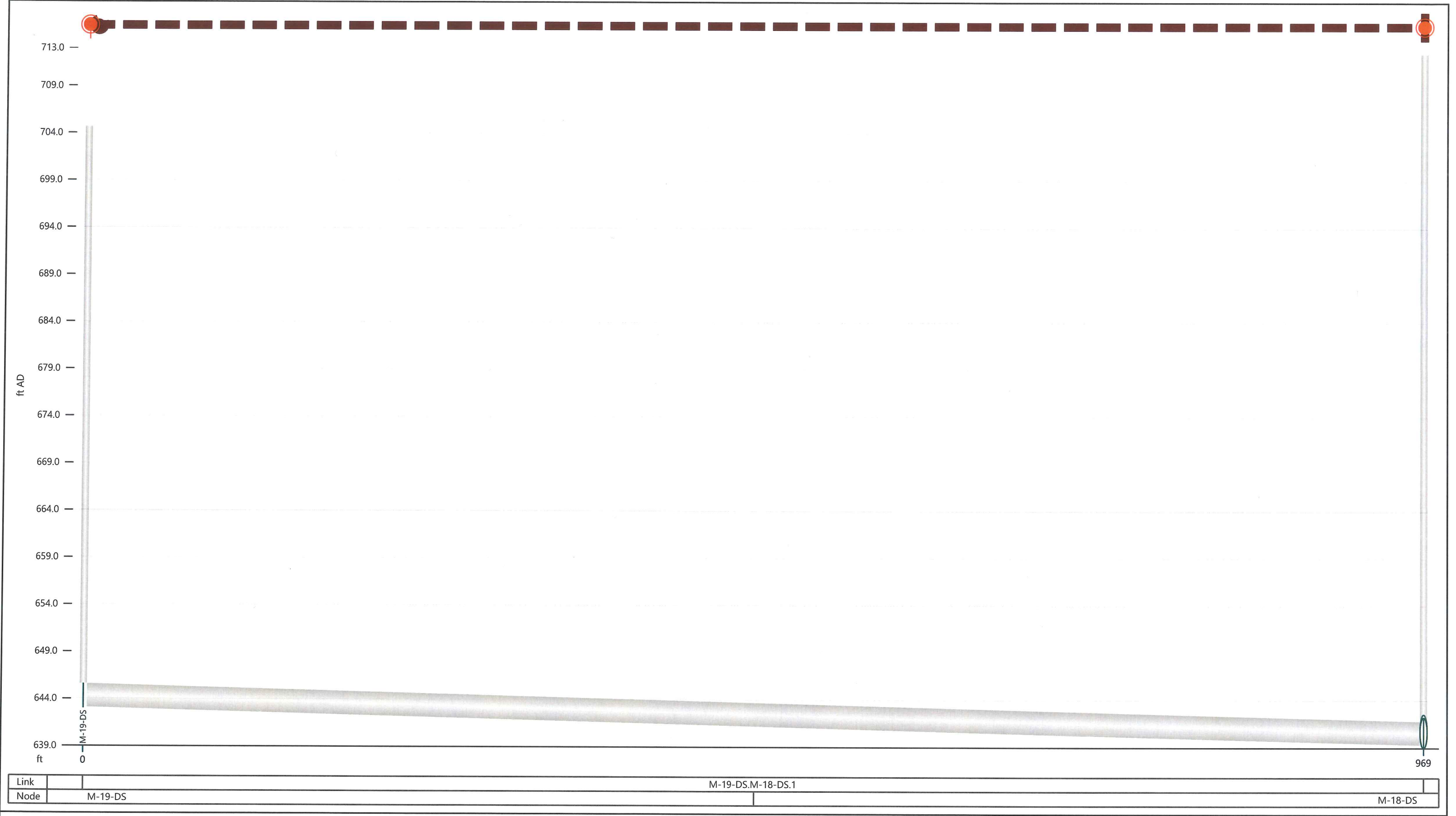
ATTACHMENT B ADDITIONAL DROP SHAFT PROFILE DRAWINGS



Profile for Contract 1765 - CCTV Inspection of ALCOSAN Drop Shafts

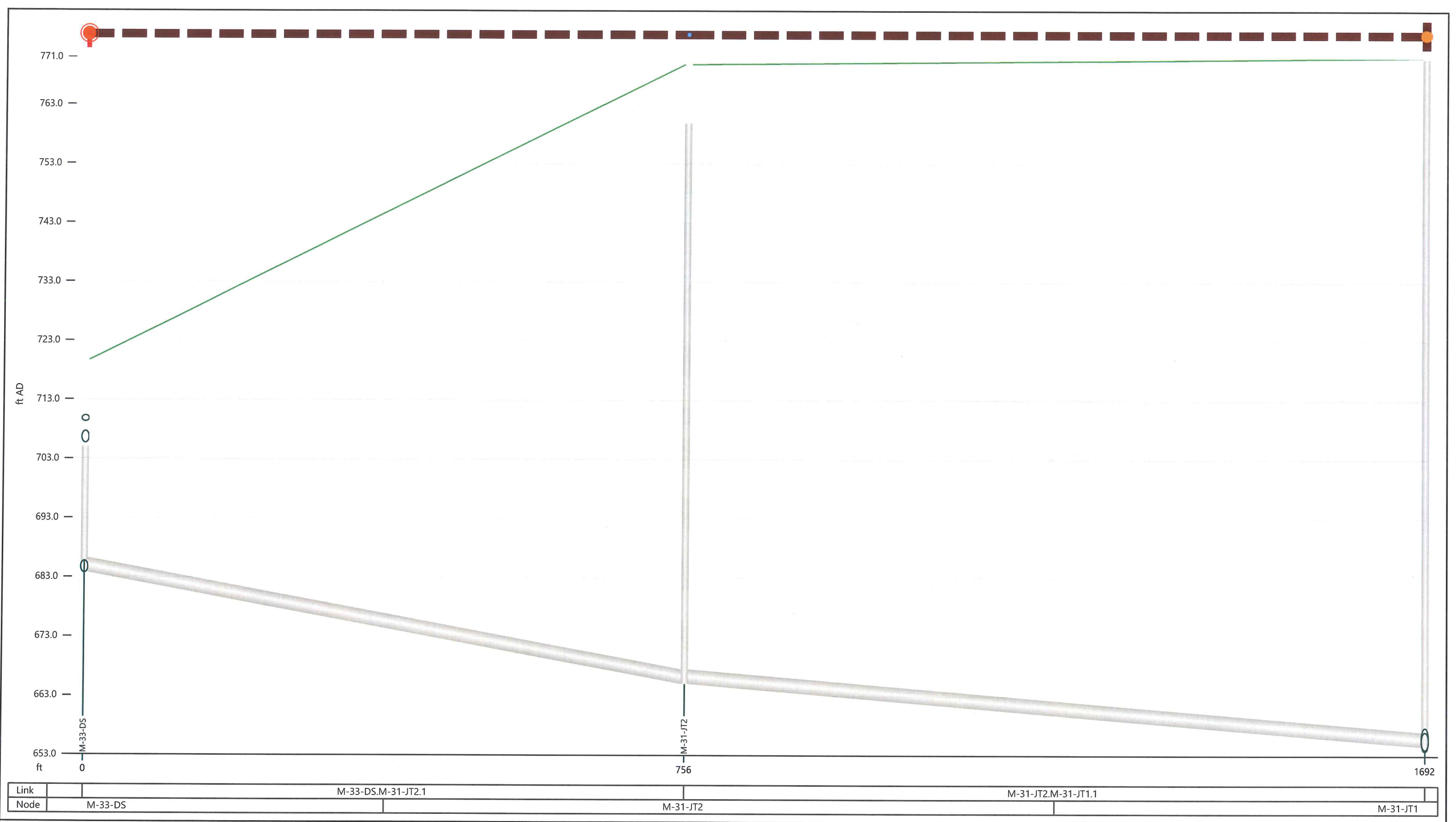


Profile for Contract 1765 - CCTV Inspection of ALCOSAN Drop Shafts

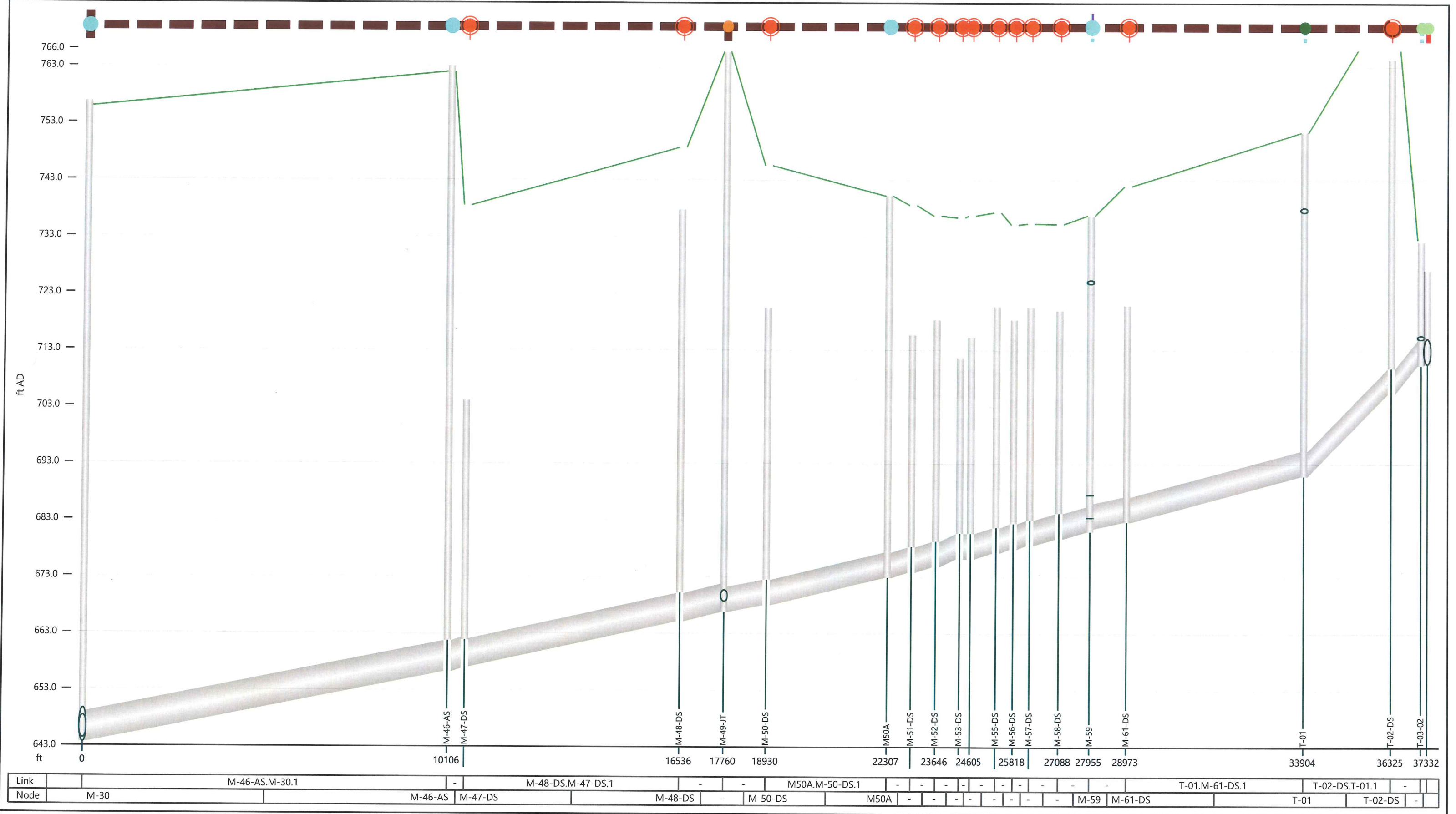


Profile for Contract 1765 - CCTV Inspection of ALCOSAN Drop Shafts

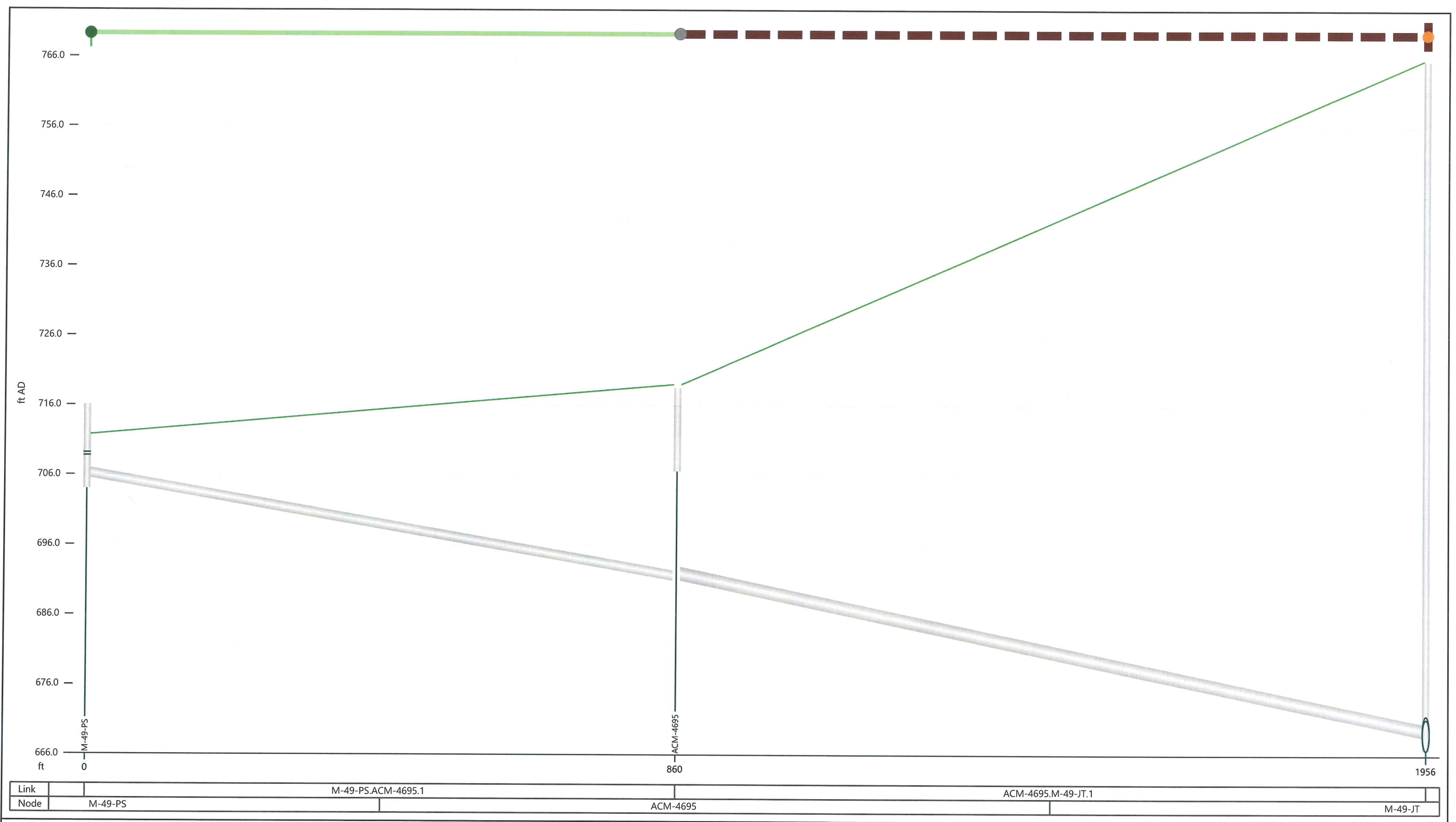




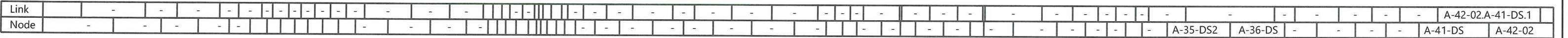
Profile for Contract 1765 - CCTV Inspection of ALCOSAN Drop Shafts



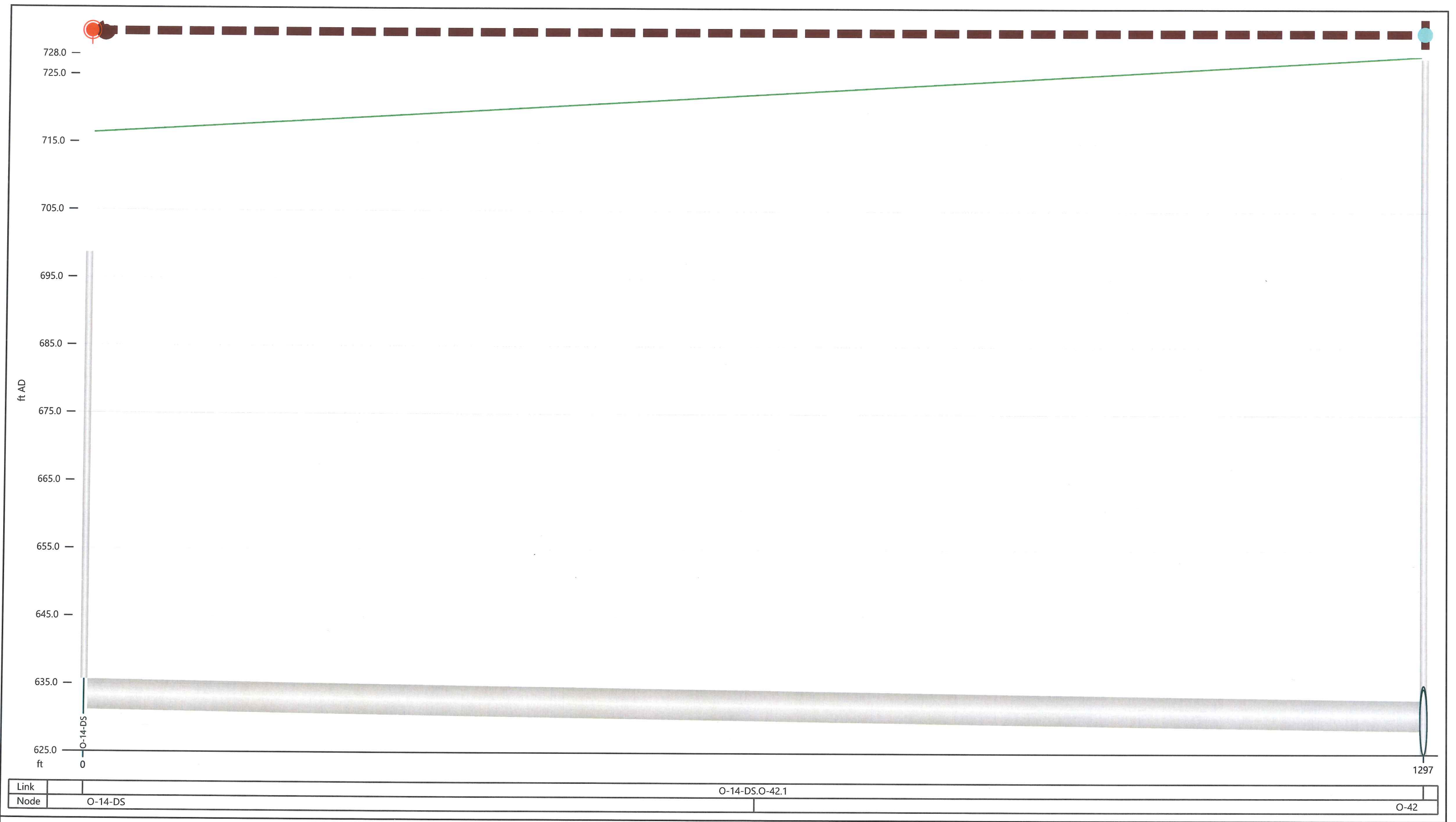
Profile for Contract 1765 - CCTV Inspection of ALCOSAN Drop Shafts



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ATTACHMENT C PRE-BID MEETING AGENDA



**CONTRACT NO. 1765
CCTV INSPECTION OF ALCOSAN DROP SHAFTS
PRE-BID MEETING AGENDA
Thursday, June 16, 2022 10:00 AM
Microsoft Teams**

INTRODUCTIONS AND KICKOFF

Milton Lenhart – ALCOSAN Project Manager
Tim Prevost – Manager of Wet Weather Programs
Mike Lichte – ALCOSAN Director of Regional Conveyance
Nate Carll – ALCOSAN Manager of Interceptor Systems
Jeffrey Livezey – ALCOSAN Environmental Construction Supervisor
Courtney Dumm – ALCOSAN Contract Administrator (Hatch)
Others introduced and annotated attendees on sign-in sheet

This Pre-Bid Meeting is not mandatory. Please ensure that your clearly printed name and complete contact information are provided on the sign-in sheet. All addenda will be distributed via email.

Information presented at this meeting is for clarification purposes. Bidders should review bidding documents for all project details. Discussion items are not guaranteed to be part of the meeting minutes. Questions requiring formal response must be submitted in writing by the question deadline: *Thursday, June 30, 2022 at 4:00 PM.*

MBE/WBE REQUIREMENTS

Article 2 Section 2.28 and Article 1 – Pages 1-19 to 1-23. MBE/WBE requirements in the Contract urge bidders to participate in meeting the 10-25% goal. ALCOSAN accepts DBE certification from the Port Authority, Allegheny County Department of General Services and Penn DOT. Any other certification will be reviewed on a case by case basis. Lack of submittal of MBE/WBE documentation is cause for rejection of the bid.

ALCOSAN requires the submittal of a monthly MBE/WBE Utilization Report, which will accompany every pay estimate.

CONTRACT SUMMARY

Contract 1765, CCTV Inspection of ALCOSAN Drop Shafts Contract **is a 210-day contract for inspection of 72 ALCOSAN's drop shafts.** Several contingent items are included to establish unit pricing for items that may be used, as necessary. **Contingent items are not guaranteed to**

be performed and will be used for situations as directed by the Owner or Owner's representative. The CCTV inspection will be required from the throat of the drop shaft to the crown of the interceptor pipe and range from 30-foot deep to over 160-feet deep, please review the chart in Article 2.4 DESCRIPTION OF BID ITEMS for depths associated with the diameter of the drop shafts. The drop shafts are 8-inch diameter up to 24-inch diameter, the majority of them (41) are 8-inch diameter, 20 are 12-inch, and 11 drop shafts are 16-inch to 24-inch. This work will be done at night when flows in the interceptor are lower and during ALCOSAN directed drawdowns which occur twice per week. The drawdown may be delayed or abandoned by wet weather events that can't be predicted.

The Contractor is responsible for acquiring any permits to complete the Work, as necessary. The Contractor should plan to minimize the impacts of their work to surrounding areas. The Contractor is also responsible for coordinating and securing access through private properties to perform the Work, including the execution of any licensing or agreements. The services of a licensed professional engineer shall be employed to facilitate this work, as necessary.

The Contract Estimate for the Work is \$150,000 to \$175,000.

CONSTRUCTION INSPECTION-WORKING HOURS

ALCOSAN will have on-site resident representatives assigned to review and monitor the work. Any work proposed outside pre-scheduled working hours as defined in Article 3.75 Working Hours requires 48-hours' notice for approval.

LEGAL NOTICE

Public Bid Opening **Tuesday, July 12, 2022 at 11:00AM EST**. If the contractor is using a delivery service such as Fed Ex or UPS, they may wish to confirm delivery was made prior to this time. **The outer delivery service envelope should be clearly marked with the Contract number and the words "SEALED BID FOR CONTRACT NO. 1765, CCTV INSPECTION OF ALCOSAN DROP SHAFTS" on the outside.** It is the Contractor's responsibility to ensure the bid reaches the Authority by the deadline.

Contract Documents can be obtained from the Contract Clerks on the 2nd floor, O&M Building for non-refundable cost of \$100.00.

Questions should be emailed to milton.lenhart@alcosan.org. Questions may also be faxed to the attention of Milton Lenhart at **412-734-6209**. Please let Milton Lenhart know if a fax has been sent.

All questions shall be submitted no later than **4:00PM EST on Thursday, June 30, 2022**.

Attendance at the Pre-Bid Meeting is **not mandatory**.

BIDDING DOCUMENTS (ARTICLE 1)

Bidders should review Article 1 thoroughly.

Submission of Bid: All Article 1 documents must be completed and submitted with the bid.

Lowest responsive Bidder will be based on the sum of Bid Items 1 through 3 and Contingent Bid Items C-4 through C-6.

Only the Article 1 Bid Forms and supporting documents need to be submitted in the bid envelope, not the entire specifications book. The Bid shall be properly executed and accompanied by all Bonds, Certificates, Questionnaire Forms and other supporting information & documents, as described in the Bid Form. Include proper signatures, seals, and dates. Include written and numerical values for each subtask and for the total bid. Submit Bid Security via certified check or bid bond in the dollar amount equal to 10% of the bid amount

The intent is to award this contract at the July 28, 2022 Board Meeting and issue an August-September 2022 Notice to Proceed.

INFORMATION FOR BIDDERS (ARTICLE 2)

Bidders are urged to review Article 2 in preparing their bids.

2.3 Location: Allegheny, Ohio, Monongahela, and Turtle Creek interceptor systems. Electronic maps and drawings included on portable media in the Appendices attached to Contract Documents.

2.4 Description of Bid Items:

Item No. 1, 2, and 3 are for televising 72 drop shafts. Item No. 1 includes 28 drop shafts in the Allegheny interceptor system. Item No. 2 includes 20 drop shafts in the Ohio interceptor system. Item No. 3 includes 24 drop shafts in the Monongahela and Turtle Creek interceptor systems.

Items No. C-4 through C-6 are to be used at the direction of the OWNER to conduct non-programmed or emergency work. These items include providing hydro-vac truck, light cleaning, etc. to the Authority on a unit rate basis. These items may not be used in conjunction with the programmed work and may be ordered independently of program work scheduling, and should be priced as such. *Contingent items may only be used in conjunction with other items, as specified in the Contract documents.* Item C-6 may be prorated if a crew consists of less than the members identified in the item is used.

2.5 Sewer Flow Control

Flow into the drop shaft will be less than 0.5 MGD, the Contractor will need plugging and flow control to eliminate the flow down the drop shaft. The CCTV, camera work is to be done under a dry pipe condition. Flows will need to be controlled to allow for a dry pipe.

The Contractor will be responsible to prevent sewer backups, flooding, damage to upstream connections when under plugging operations. No work will be considered when storms or inclement weather is imminent.

Also see Article 6, Section 2.1.9 Weather and Flow Conditions.

2.7 Sealed Bids to be submitted to the Contract Clerk at ALCOSAN's Engineering Department on or before **Bid Opening time and date of 11:00 AM, Tuesday, July 12, 2022.** Late bids

will be treated as “nonresponsive” and returned to Bidder unopened. It is the Bidders’ responsibility to ensure that the bids are received by ALCOSAN on time. If using a delivery service, make sure the **bid package is clearly marked, “SEALED BID FOR CONTRACT NO. 1765, CCTV INSPECTION OF ALCOSAN DROP SHAFTS” on the outside**. If a Bid is submitted with conditions or exceptions, or not in conformance with the terms and conditions of the Contract Documents, it may be rejected.

2.8 Supplementary Information Package (SIP): Experience, Equipment Subcontractors.

SIP to be submitted at the request of the OWNER and prior to Contract award, **SIP should be submitted to the Authority within 5 days of bid submission, when requested**. The SIP includes important documents required prior to the start of work and includes the following:

1. The information requested in the Information for Bidders Section 2.27 entitled **"Qualifications and Experience of Bidders."**
2. List of Subcontractors, experience, equipment, etc.
3. The Contractor shall provide a **detailed workplan of the equipment and methods that will be employed for sewer flow control**. Dry weather overflows are strictly prohibited in the Consent Decree. The Contractor will be solely responsible for any damages or overflows that occur due to the activities under this Contract (See Article 6, Section 2.3).
4. The Contractor will prepare a **Site-Specific Health and Safety Plan**. This will include all field personnel and contact information, emergency routes and maps to the nearest hospital, and Confined space entry certifications for all personnel.
5. **Inspection work plan**
Inspection work plan including schedule and order of drop shaft inspections, CCTV equipment, plan to address access limitation, number of and description of crew members, and expected permits.

6. **All required insurance certificates and documentation**

Information can be found in Article 3, Exhibit A

- 2.10 ALCOSAN reserves the right to reject any and all bids. The decision to award the contract is expected within (60) days from the date of the Bid Opening.
- 2.11 Contract Documents may be purchased from ALCOSAN’s Engineering Clerks Office. A fee of \$100.00 is required for each set of Contract Documents.
- 2.14 If any alleged errors are noted in the Contract Documents, Bidders should immediately notify Milton Lenhart in writing. If confirmed, Addenda will be sent to all prospective Bidders known to have received the Contract Documents.
- 2.15 Information for mapping and drawings are provided on portable media included with the appendices in the Contract Documents and are for reference only.

2.16 Bidders should thoroughly investigate the job site and the working conditions in formulating their bid. Any questions received in writing prior to the close of the question period will be answered through an addendum. The Appendices contain location maps and record drawings to assist in making the bid and locating the drop shafts considered for inspection.

2.17 Quantities are estimated as accurately as possible for base items and contingent quantities have been assigned to cover potential work items during the Contract period.

Contingent items of Work shall be done when ordered by the Engineer and shall be paid for at the contract unit bid price. The purpose of the contracts items designated in the bid form as "C" is to establish unit prices for work not included in other bid items. The Engineer has the right to order that contingent work be provided in smaller or larger quantities than the estimated quantity indicated in the Bid Form. **The Contractor shall not have any right to demand payment for, and will not be paid for, any costs associated with the item, including, but not limited to overhead and profit, due to the fact that the item was not used in the work or was used in smaller or larger quantities than those indicated in the bid form. The Contract Sum shall be subject to adjustment according to final measured quantities and the unit prices in the bid will apply to such final quantities.**

2.19 The Acknowledgment page attached to Addendum No. 1 and subsequent addenda, as applicable, are to be signed and returned immediately via email to contract.clerks@alcosan.org and also included with the Bidder's Proposal.

2.22 Bid Security 10% of the Total Lump Sum Price certified check or bid bond for that amount.

2.36 This Contract is to fulfill the requirements of the ALCOSAN Consent Decree (CD), the Contractor is bound to the requirements of the CD when performing the work. A link to ALCOSAN's CD is found in Article 2.36.

Attachment A: Contractors and subcontractors shall review the Labor Stabilization Agreement and execute that agreement along with a Letter of Assent prior to commencing work.

GENERAL CONTRACT CONDITIONS (ARTICLE 3)

Bidders should review Article 3 thoroughly.

Access coordination for drop shafts is considered incidental to the bid price, no additional compensation will be considered for any permits. There are several structures which will not be directly accessible to a camera truck because they are located on a steep riverbank. The A-33/A-34 structures are an example of this access issue. These structures are normally accessed by regional conveyance by a barge. ALCOSAN would like to know how the Contractor plans on bringing equipment to sites where truck access is limited. Obtaining access to the shaft is incidental to the bid.

3.56 Bonds: Performance and Payment bonds applicable to this Contract.

3.57 Warranty: Applicable only if structure modifications are made.

3.73 Compliance with Health, Safety and Environmental Laws: ALCOSAN approval of Site-Specific Health and Safety Plan required prior to commencing work.

3.75 Working Hours: Work performed at the Job Site shall be performed during an ALCOSAN drawdown (12:00 A.M. to 6:00 A.M.) or at other times approved by the Owner.

The Contractor shall schedule and coordinate with ALCOSAN all Job Site Work so that working hours coincide with an ALCOSAN drawdown. Should the contractor require an extended drawdown beyond the hours of 12:00 A.M. and 6:00 A.M., the Contractor shall provide the Owner notice in writing, no less than 48 hours prior to this need.

The ALCOSAN drawdown typically takes less than one hour to reach a wet well elevation of 635. The Contractor will have plugging and CCTV equipment set-up by 1:00AM.

Work performed during the Owner holidays, and weekends shall be with hours overseen by the Construction Manager.

Exhibit A – Insurance Requirements: Certificates required before any work begins, this may include Railroad Protective Liability Insurance (if required).

CONTRACT AGREEMENT (ARTICLE 4)

Bidders should review Article 4 thoroughly.

Substantial Completion Milestone for Contract 1765: 210 Calendar days from NTP.

Liquidated Damages for missing set Milestones:

- Substantial Completion of Contract No. 1765: \$500/day

BONDS, CERTIFICATES AND STATEMENTS (ARTICLE 5)

Bidders should review Article 5 thoroughly.

Performance Bond, Labor and Material Payment Bond, Contractors Certificate of Satisfaction. A Maintenance Bond will not be required for this contract unless structure modifications are made.

SPECIFICATIONS (ARTICLE 6)

The technical specifications are located in Article 6. The Bidders should review Article 6 thoroughly. The Appendices supplied on portable media includes the location maps and record drawings, and the Consent Decree.

ALCOSAN makes NO guarantee on the flow monitoring information, which is provided for reference only. This information is dated and should be judged as highly subject to seasonal variations. The Bidders should observe the flows in the project area and ascertain pumping needs. The bypass pumping plan(s) prepared by the contractor requires a Pennsylvania registered Professional Engineer's stamp of approval.

Submittals, communications, pay estimates and other documentation will be handled using the online e-Builder application.

CCTV drop shaft inspection data will be coded consistently with the most current NASSCO PACP-compliant software. PACP-compliant databases will be expected as deliverables for all completed inspections. **The Bidder should note that the speed of the camera drop is slower than the NASSCO standard and is limited to 4-feet per minute, the camera will be lowered non-stop to the Interceptor crown and upon retrieval defects observed on insertion will be reviewed upon the retrieval procedure. If no defects were observed on insertion retrieval will be permitted to reach 8 feet per minute.**

Site Conditions – See contract reference maps and photos

- Please note that reference maps and engineering drawings of all drop shafts and access shafts have been included in Appendices A and B.
- Some examples of the site conditions are given in the table and pictures below:
 - Riverwalk – coordinate with city for key to gates
 - Riverbank on private/public property
 - Streets – city and state roads
 - 376 on ramp, 10th street bypass, Ohio River boulevard
 - Private and public parking lots
 - Private Property
 - Railroads

Structure	Contact information	Property Description
A-01	Pittsburgh	Riverwalk
A-02	Pittsburgh	Riverwalk
A-03	Pittsburgh	Riverwalk
A-07	PennDOT/Pittsburgh	10th St bypass
A-08	PennDOT/Pittsburgh	10th St bypass
A-11	PennDOT/Pittsburgh	10th St bypass
A-16	Commercial Property	Commercial
A-17	Commercial Property	20th street
A-18	Pittsburgh	24th Street
A-19	Pittsburgh	27th Street
A-20	Pittsburgh	Public works parking lot
A-21	Pittsburgh	Under 31st St bridge
A-25	Pittsburgh	36th Street
A-26	Commercial Property	Parking/Storage
A-27	Pittsburgh	40th Street
A-30	Pittsburgh	51st Street
A-31	Industrial Property	Parking/Storage
A-33	Industrial Property	Parking/Storage
A-34	Industrial Property	Parking/Storage
A-36	Commercial Property	Bank of River
A-37	Pittsburgh	Bank of River
A-38	Industrial/AVRR Railroad	Industrial
A-40	AVRR Railroad, Jim Streett 412-426-2800	Bank of River
A-49	Pittsburgh	Riverwalk
A-50	Pittsburgh	Riverwalk
A-56	Pittsburgh	Riverwalk
A-59	Pittsburgh	Riverwalk
A-61	Pittsburgh	Riverwalk
M-01	Pittsburgh	Mon Wharf
M-02	Pittsburgh	Mon Wharf
M-04	PennDOT/Pittsburgh	376 on ramp
M-11	Pittsburgh	Riverwalk
M-12	Pittsburgh	Riverwalk
M-13	Pittsburgh	Riverwalk/Bank of River
M-14	Pittsburgh	Riverwalk/Bank of River
M-15	Pittsburgh	Riverwalk/Bank of River
M-17	Pittsburgh	Riverwalk/S 18th St Ext
M-18	Pittsburgh	Public Parking Lot
M-20	Pittsburgh	Public Parking Lot
M-21	Pittsburgh	Riverwalk
M-23	Pittsburgh	Riverwalk
M-24	Pittsburgh	Riverwalk/Bank of River
M-26	Pittsburgh	Riverwalk/Bank of River
M-27	Pittsburgh	Riverwalk/Bank of River
M-52	Braddock	2nd St
M-53	Braddock	4th St
M-54	Braddock	5th St
M-56	Braddock	7th St
M-57	Braddock	8th St

Structure	Contact information	Property Description
M-58	Braddock	9th St
M-61	US Steel (412) 675-7459	Industrial
T-02	Braddock	Main Street
O-17	7107 Ohio River Blvd	Private Property
O-19	Norfolk RR, Larry Sosnowski 412-893-7051	Railroad
O-20	920 Ohio River Blvd	Ponderosa
O-21	Norfolk RR	Railroad
O-22	Norfolk RR	Railroad
O-23	Norfolk RR	Railroad
O-24	4281 OHIO RIVER BLVD	Commercial
O-28	Pittsburgh	Riverwalk
O-29	Pittsburgh	Riverwalk
O-30	Pittsburgh	Riverwalk
O-31	Pittsburgh	Riverwalk
O-32	Branchport Boat Club 412-231-3718	Marina
O-34	Commercial Property	Parking/Storage
O-35	Pittsburgh	Franklin St
O-36	Pittsburgh	Liverpool St
O-37	Peggys Harbor 412-321-2198	Marina
O-38	Peggys Harbor	Marina
O-39	Private Property	River bank
O-40	Cardello Building	Parking Lot
O-43	Carnegie Science Center	Parking Lot

Photo Examples of Access Conditions



Photo 1: A-1, A-2, A-3 – Fort Duquesne Bridge Piers on Riverwalk.



Photo 2: M-4 – 376 On Ramp from Fort Pitt Boulevard



Photo 3: A-11- 10th Street bypass under 9th street bridge



Photo 4: O-21 – Norfolk Southern Rail in Avalon



Photo 5: O-20 – Rt 65 behind fence



Photo 6: A-20 public works parking lot



Photo 7: M-13 – Riverwalk/bank



Photo 8: Photos of drop shaft vortex for A-07



Photo 9: Photos of drop shaft vortex for O-20

QUESTIONS?

July 6, 2022

CONTRACT NO. 1765

CCTV INSPECTION OF ALCOSAN DROP SHAFTS

ADDENDUM NO. 1

ATTACHMENT D PRE-BID MEETING MINUTES



MEETING MINUTES

Pre-Bid for Contract No. 1765 CCTV INSPECTION OF ALCOSAN DROP SHAFTS

LOCATION: Microsoft Teams

DATE: Thursday, June 16, 2022

TIME: 10:00 - 10:30 AM

ALCOSAN REPRESENTATIVES:

**Refer to the attached Sign-In sheet for a complete meeting attendance list.*

MEETING MINUTES

INTRODUCTIONS AND KICKOFF

- This pre-bid meeting is not mandatory, questions will be accepted until 4PM June 30, 2022.

MBE/WBE GOALS

- ALCOSAN strongly encourages the meeting of WBE/MBE goals for projects, the goals are 10-25%.

CONTRACT SUMMARY

- There are 72 drop shafts to inspect for this contract, we have corrected this information to include **71 drop shafts**.
- It should be noted that this contract includes only drop shafts, not access shafts, (previous similar contract have included both).
- Contingent Items are not guaranteed to be completed.

CONSTRUCTION INSPECTION – WORKING HOURS

- This contract will be entirely night work since work must be completed during scheduled drawdowns. There are two drawdowns per week:
 - Monday Midnight to 6AM Tuesday morning,
 - Wednesday midnight to 6AM Thursday morning,
 - Typical draw down is to 635 wet well elevation at ALCOSAN,
 - Deeper drawdowns are held the first Thursday of the month and are brought to 629 wet well elevation.

LEGAL NOTICE

- Bids will be opened Tuesday, July 12, 2022 11AM EST via a Microsoft Teams meeting, an invitation to view the bid opening will be forwarded by Kathleen Uniatowski.

BIDDING DOCUMENTS (ARTICLE 1)

- Lowest responsive Bidder will be based on the sum of Bid Items 1 through 3 and Contingent Bid Items C-4 through C-6.
- ALCOSAN intends to award the contract at the July 28, 2022 Board Meeting.

INFORMATION FOR BIDDERS (ARTICLE 2)

- Additional drop shaft profile drawings will be included in the addendum.
- There will be some inevitable variability in this project due to circumstances such as weather, missed drawdowns, etc.
- In the previous contract, there were some issues with steam near the Bay Valley Food Plant. More detail will be included in the addendum, but the Bay Valley Food Plant is no longer in operation. However, any steam control, or similar, is considered incidental to the inspection.

GENERAL CONTRACT CONDITIONS (ARTICLE 3)

- Access coordination for drop shafts is considered incidental to the bid price, no additional compensation will be considered for any permits. There are several structures which will not be directly accessible to a camera truck because they are located on a steep riverbank. The A-33/A-34 structures are an example of this access issue. These structures are normally accessed by regional conveyance by a barge. ALCOSAN would like to know how the Contractor plans on bringing equipment to sites where truck access is limited. Obtaining access to the shaft is incidental to the bid.
- A Site Specific Health and Safety Plan (HASP) will be required and approved by ALCOSAN for the Supplemental Information Packet (SIP) prior to issuing the Notice to Proceed (NTP).

CONTRACT AGREEMENT (ARTICLE 4)

- Contract length 210 days from the NTP.
- Liquidated Damages \$500/day for missing contract milestones.

BONDS, CERTIFICATES AND STATEMENTS (ARTICLE 5)**SPECIFICATIONS (ARTICLE 6)****APPENDICES (included on media disk attached at rear of documents)**

DISCUSSION: QUESTIONS AND ANSWERS

1. **Question:** Are scheduled drawdowns twice per week?

Answer:

- There are **two typical** drawdowns to 635 per week
 - Monday at midnight to Tuesday at 6 am
 - Wednesday at midnight to Thursday at 6 am
- There is **one deep** drawdown the first Thursday of each month to 629

2. **Question:** What is miscellaneous crew time to be used for?

Answer: This item is to be used for unforeseen issues (ex: fallen tree needs to be removed from site in order to complete inspection). Tasks such as plugging, flow control, etc. are considered incidental to the inspections.

3. **Question:** If the crown of the interceptor cannot be reached during a drawdown, how will the contractor be compensated?

Answer: The intent is to create a schedule which considers the drawdown depths and drop shaft depths in order to minimize this issue. It is possible to lengthen the drawdown in some instances with proper notification to ALCOSAN. If the crown cannot be reached at the deep drawdown, the inspection to the water level will be acceptable. In general, if an inspection cannot be completed due to an issue cause by ALCOSAN, additional compensation can be negotiated.

4. **Question:** Is railroad permitting and/or insurance required for this project?

Answer: The drop shafts located in the vicinity of railroads are noted in the agenda which will be included in the addendum. Coordination with the railroads and acquisition of any required permits is the responsibility of the contractor and is considered incidental to the inspections.

All other technical questions regarding these contract documents shall be submitted in writing no later than 4:00 PM EST on Thursday, June 30, 2022.

These meeting minutes have been prepared by Courtney Dumm and are ALCOSAN's interpretation of the discussions that took place. These meeting minutes will stand as record of the meeting and will be incorporated into Addendum #1 of the 1756 Contract.

APRIL 4, 2022

CONTRACT NO. 1756

SHALLOW CUT INTERCEPTOR INSPECTION

ADDENDUM NO. 1

ATTACHMENT E PRE-BID MEETING SIGN-IN SHEET

PRE-BID MEETING
1765 CCTV Inspection of ALCOSAN Drop Shafts
June 16, 2022 @ 10:00 AM

Full Name	Company	Email	Timestamp
Nathan Hill	Robinson Pipe Cleaning Company	nhill@robinsonpipe.com	6/16/2022, 10:00:21 AM
Kanchan Sen	Treviicos	ksen@treviicos.com	6/16/2022, 10:00:21 AM
Milton Lenhart P.E.	ALCOSAN	milton.lenhart@alcosan.org	6/16/2022, 10:00:21 AM
Mike Long	Robinson Pipe Cleaning Company	long@robinsonpipe.com	6/16/2022, 10:00:21 AM
Sam Cancilla	Redzone Robotics, Inc.	scancilla@redzone.com	6/16/2022, 10:00:21 AM
Courtney Dumm	Hatch	courtney.dumm@hatch.com	6/16/2022, 10:00:21 AM
William Gaughan	Robinson Pipe Cleaning Company	bjgaughan@robinsonpipe.com	6/16/2022, 10:00:21 AM
Chris Truby	Robinson Pipe Cleaning Company	truby@robinsonpipe.com	6/16/2022, 10:00:21 AM
Kathleen P. Uniatowski	ALCOSAN	kathleen.uniatowski@alcosan.org	6/16/2022, 10:00:21 AM
Michael Lichte P.E.	ALCOSAN	michael.lichte@alcosan.org	6/16/2022, 10:01:16 AM
Chuck Pulaski (RedZone) (Guest)	Redzone Robotics, Inc.	cpulaski@redzone.com	6/16/2022, 10:01:47 AM
Greg Starcher	AAA Pipe Cleaning Corp.	greg@advancedplumber.com	6/16/2022, 10:02:35 AM
Brad Wolfe	Jett Jack	bwolfe@jetjackinc.com	6/16/2022, 10:11:40 AM
Zach Krugler	Duke's Root Control/Hydrostructures	zkrugler@dukes.com	6/16/2022, 10:11:40 AM

* * * * END OF ADDENDUM NO. 1 * * * *