



July 9, 2020

CONTRACT 1725

**CIPP REHABILITATION OF THE
LOWER SAW MILL RUN INTERCEPTOR**

ADDENDUM NO. 2

All bidders bidding Contract No. 1725 shall read and take note of this Addendum No. 2. The Contract Documents for **Contract No. 1725 – CIPP Rehabilitation of the Lower Saw Mill Run Interceptor** are hereby revised and/or clarified as stated below.

Acknowledgement of Contract No. 1725; Addendum No. 2
The Acknowledgement attached to Addendum No. 2 is to be signed and returned immediately via fax or email to Sean Robertson at 412-734-8716 or sean.robertson@alcosan.org and included with Bidder's Proposal.

Jan M. Oliver
Director – Regional Conveyance

Members of the Board

Corey O'Connor
Chair Person

Rep. Harry Readshaw
Sylvia C. Wilson
Shannah Tharp-Gilliam, Ph.D.
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Governmental Affairs*

Joseph Vallarian
*Director
Communications*

**ACKNOWLEDGEMENT OF
CONTRACT 1725 – CIPP REHABILITATION OF THE LOWER SAW
MILL INTERCEPTOR**

ADDENDUM NO. 2

FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

CONTRACT 1725

**CIPP REHABILITATION OF THE LOWER SAW MILL RUN
INTERCEPTOR**

ADDENDUM NO. 2

July 9, 2020

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INTERCEPTOR**

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The bid opening for this Contract is hereby changed to 11:00 a.m., Prevailing Time, on Wednesday, August 19, 2020. Questions will be accepted in writing until 4:00 p.m., Prevailing Time, on Friday, August 7, 2020. Questions that were submitted prior to this addendum and not answered will be included along with any changes in a following addendum.

A. Questions

- 1.) Question: Please verify if the MBE and WBE range of 10% to 25% is a goal or requirement?

Answer: The 10-25% MBE/WBE participation is a Goal that the Board requires be met for all contracts. Bidders must make a good-faith effort to identify such firms in the provided forms as part of their bid.

- 2.) Question: If it is a requirement, please provide a list of WBE-MBE contractors that have successfully completed work for the county.

Answer: If help is needed with meeting this goal, ALCOSAN's DBE Coordinator, Ray Meyer, is available to assist and can be reached at (412)734-8737.

- 3.) Question: The measure and payment description calls for fiber optic temperature monitoring of the CIPP during the cure process. Would a time proven temperature monitoring system at the upstream, mid and downstream manholes be acceptable? It has proven successful in millions of CIPP installations and would save the client thousands of dollars.

Answer: Contractors are advised to bid this project based on the Contract requirements contained in the bid documents. A continuous temperature monitoring system is required. See Technical Specification Section 02769 – CIPP Rehabilitation, paragraph 3.05 A.

- 4.) Can the client provide the costs associated with the Railroad ie supplemental insurance and flagman fees? If not can you provide a point of contact.

Answer: There are no anticipated railroad impacts on this Contract.

- 5.) Can Hydrotite by Greenstreak be accepted as an approved equal for hydrophilic liner end seals?

Answer: Contractors are advised to bid this project based on the Contract requirements contained in the bid documents. Hydrotite was not approved as an equal on a previous ALCOSAN project.

- 6.) Question: Can tensile testing of the liner be removed from the testing requirements? ASTM 1216 indicates it is for pressure pipe.

Answer: Tensile testing of the gravity liner is removed as noted in ASTM F1216 Table 1.

- 7.) The prevailing wages will increase Jan 1, 2021. Will the contractor be required to pay the new wages?

Answer: ALCOSAN intends for the Contractor to follow the PA Prevailing Wage Act regulations of the Commonwealth of PA.

- 8.) On sheet 7, under Phase 11 bypass recommendations; we are asking to see if the suction location can be moved from MH-S02 (sheet 27) to MH-27 (sheet 18). The discharge would stay the same as MH-N07 (sheet 27).

Answer: Pumping recommendations are provided to assist bidders in understanding the project workflow. Specific bypass pumping plans are required to be submitted to ALCOSAN for approval as part of completing the Contract. See Article 6 Section 02080 Bypass Pumping for requirements.

- 9.) I may have addressed this error on the plans but sheet 25 shows the 48” length after MH-09A to be 404’. Sheet 26 same 48” segment says the length is 406’.

Answer: The correct dimension is 404’.

- 10.) Question: PENNDOT and Alcosan requirements for working hours on the Saw Mill Run Blvd. Times and Duration. The specs (Article 3, pg 40-41) calls out for working hours 7:00am – 5:00pm. The Construction Notes off the plans on sheet MPT 3 of 21 call out a different working schedule. Can this be clarified?

Answer: Article 3 provides general working hours that ALCOSAN typically observes. The Construction Notes on the MPT plans refer to specific requirements particular to operations conducted within regulated roadways. General working hours may deviate from those outlined in Article 3 based on work requirements, so long as proper notification procedures are followed. However, the Contractor is responsible for complying with all requirements of the authorities having jurisdiction over traffic and work in roadways.

- 11.) Question: Sheet 23, Note 3 – can drawings, profiles showing size and weight of the grating, sluice gate and concrete roof be provided.

Answer: ALCOSAN does not possess information regarding the weight of these items. Contract 940 Sheet 17 is included as an attachment with this Addendum for information only.

- 12.) Question: Sheet 28, Note 3 can the repair be clarified as what needs done. This would be a man entry repair and the scope of this repair is not defined. Is there a payment of measure for this repair. If contractor deems work is not necessary for lining (i.e. hair line crack) will Alcosan accept.

Answer: See video MH-1 to O-14W-00.mpg. Intent is to line through the wall opening in the interceptor, reinstate the wall opening, and then rehabilitate the chamber using epoxy lining, with payment to be made under Item 7 Epoxy Manhole Rehabilitation (Concrete Manholes).

- 13.) Question: Is it permitted to leave the bottom half of a liner in the manhole after it is installed. The end seals would still be installed prior to the CIPP install. After it has cured, the top of the liner above the shelf would be removed and made flush to the shelf edge. This would leave a 'canoe' effect within that manhole.

Answer: See Technical Specification Section 02769 – CIPP Lining, Paragraph 3.05 Installation of Pipe Liner:

10. Finishing at Ends. Final trimming of the CIPP at any manhole/access point shall be done in such a manner as to provide a long-term mechanical connection between the CIPP and the host pipe. If a CIPP is installed through an intermediate manhole, the CIPP within the manhole shall be cut and removed above the top of the existing channel. Install liner end seal between the CIPP and the host pipe at manhole to be watertight for the stated service life of the CIPP installation using preformed rubber seals. No water shall be able to migrate between the CIPP and the host pipe; otherwise, the CIPP installation shall be considered defective and shall be repaired or replaced at no additional cost to the Owner. The cost of this work shall be included in the unit price bid for the liner.

11. Invert through Manholes. The invert shall be continuous and smooth through all manholes. If a liner is installed through a manhole, the bottom portion of the liner shall remain and the bench of the manhole shall be grouted and shaped as necessary to support the liner. If the liner terminates on either side of a manhole, the invert shall be built up to remove any flow restrictions and to form a continuous invert through the manhole. The cost of this work shall be included in the unit price bid for the liner.

- 14.) Question: Regarding Section 02080 – Bypass Pumping, Section 2.03, Paragraph C

- a. This paragraph states that the installation of bypass pipelines is prohibited in all wetland areas. The plans set does not show any wetland areas along the interceptor; will ALCOSAN verify that no wetland areas exist on the provide plan set?

Answer: No wetlands were designated within the plans. The Contractor is responsible for providing appropriate access, pathways and permits for his operations. PA DEP has permit jurisdiction over streams and wetlands.

- 15.) Question: Regarding Section 02080 – Bypass Pumping, Section 3.01, Paragraph F

- a. This paragraph details specific construction requirements for a secondary sound attenuation enclosure for equipment that is operated between the hours of 8:00 PM and 6:00 AM. Will consideration be given to alternative secondary sound attenuation enclosure construction? Will there be a requirement for the dB level (at 30 feet) for this secondary enclosure? Due to nature of the installation and potential risk related to routing diesel engine exhaust through this structure; will a roof be required for the enclosure?

Answer: Sound attenuating enclosures shall provide 5 to 10 dBA reduction at 30 feet.

- 16.) Question: Are we allowed to have multiple lining crews onsite installing? The reason I ask is because of this statement "Each location for lining needs to be 100% finished before moving to the next section (Article 6, pg. 229)."

Answer: Multiple lining crews may be permitted at the discretion of the Owner provided that each crew meets all of the Contract requirements. The Contractor must finish each site 100% before allowing a crew to mobilize to next site moving in an upstream to downstream direction. Finishing a site includes cutting/trimming each service lateral open and receiving approval by the Construction Manager for submitted data sheets, CCTV DVDs, fiber optic temperature verification gradient chart and video logs. Contractor must adhere to the requirements of the HOP.

- 17.) Question: In the "Suggested Sequence of Installation":

- Phase 2 references an 8" lateral to be picked up at MH SMRE 43-1 and discharged to MH SMRE-41. The discharge manhole is in the middle of one of the "setup" sections broken out. Is this call out correct, or should we assume that the lateral will be tied into the main line bypass?

Answer: This callout is correct for Setup 4. You may assume that the lateral will be tied into the main line bypass at MH SMRE-44 for Setups 5 and 6 if it works with your overall bypass pumping plan.

- Phase 3 references a 14" lateral to be bypassed from MH35-1, and the provided plans (sheet 11 of 30) show an existing 10" lateral that feeds into the existing 15" lateral at MH35-1. Which lateral size is correct? The 14" that's called out in the sequence or the 10" that's shown on sheet 11?

Answer: The line is a 15" as shown on Sheet 14 of 30. Contractor to verify the size of all laterals.

- 18.) Question: Is it possible to utilize the stream beds for discharge pipe assembly and have our machines in the culverts/stream beds? There's no shoulder of the main road to cone off and safely work.

Answer: The Contractor is responsible for providing appropriate access, pathways and permits for his operations. PA Department of Environmental Protection has permit jurisdiction and Contractor is responsible for submission of all required permits.

- 19.) Question: During a site walk, it was discovered that most cone sections do not line up with the existing inverts. The existing rims/cones are too small to accommodate the bypass lines. Are cone sections able to be removed to allow for the suction and discharge line access of the bypass system?

Answer: The Contractor is responsible for removal and replacement of manhole frames, covers, and cones as required for access under the Contract. Modifications to any municipal collection manholes will require coordination with the Pittsburgh Water and Sewer Authority.

- 20.) Question: As far as road traffic is concerned - are there going to be lane closures during setup/removal on the bypass systems or is that the responsibility of the contractor to coordinate?

Answer: The Contractor is responsible for maintenance and protection of traffic under the Contract.

- 21.) Question: Regarding the PLA, will the Unions and their members agree that CIPP lining is Specialty Work as referenced in Article IX of the PLA?

Answer: It is the union(s) with jurisdiction over the work that will make the initial decision about what work is “specialty work.” Under the PLA, if the unions claim the work, and the contractor disputes the claim, the matter is subject to the grievance procedure. Article IX, Section 5. Contractors are required to follow the conditions set forth in the PLA.

- 22.) Question: Regarding the PLA, will the Unions and their members agree that pipe cleaning, bypass, and CCTV inspection is Specialty Work as referenced in Article IX of the PLA?

Answer: It is the union(s) with jurisdiction over the work that will make the initial decision about what work is “specialty work.” Under the PLA, if the unions claim the work, and the contractor disputes the claim, the matter is subject to the grievance procedure. Article IX, Section 5. Contractors are required to follow the conditions set forth in the PLA.

- 23.) Question: Regarding Specialty Work as define in Article IX of the PLA, will the applicable union still require contributions to union benefit funds for the employees engaged in Specialty Work?

Answer: If the work is “specialty work” as described in Article IX, “the Unions and their members agree that they shall make no claims for such work...” Because the work would not be covered under any labor agreement, no contributions to any union benefit fund would be owed. The specialty contractor would, however, still be subject to the Prevailing Wage Act rates for wages and fringe benefits, which means it may have to provide additional compensation to its employees to cover the fringe benefit component of the wage determination.

- 24.) Question: Regarding the PLA what are the amounts that must be paid into union pension and annuity, health and welfare, vacation, apprenticeship, training funds?

Answer: Amounts owed to the union funds would be determined by each union’s labor agreement, and vary among the signatory unions.

- 25.) Question: Will core employees be required to register with the applicable union under Article VI of the PLA?

Answer: Each of the signatory unions’ contracts contain a union security clause which requires employees to “join” the union within 7 days of hire. As a legal matter, no one can be required to join a union, so the obligation is really only to pay what is known as an “agency fee” in lieu of membership dues. The requirement to pay dues or the fee would expire when the employee’s work on the project was completed.

- 26.) Question: Bid Item No. 2, Maintenance and Protection of Traffic is to be paid on a Lump Sum Basis. How is this going to be paid throughout the course of this project? i.e. Bid Item No. 1 is paid 50% on first invoice and 20% over remaining invoices with exception to final invoice at 30%.

Answer: Payment for this lump sum item will be prorated according to the percentage of work completed.

- 27.) Question: Bid Item No. C-13 states that concrete sidewalks, driveways and curbing replacements will be measured and paid per Square Yard. However, curbing is typically measured as a Linear Foot Item. Can a separate bid item be made for Curbing and the industry standard measurement of payment on a linear foot basis?

Answer: No separate bid item will be made for concrete curb. It shall be paid by square yard.

- 28.) Question: Bid Item No. C-10 defines measurement and payment to be made per ton of asphalt, including curb and gutter repair and E&S. As curb and gutter repair is included in Pay Item C13, this should not be incidental to the per ton payment in this bid item. Also, the state Liquid Asphalt Index is adjusted monthly. Can an escalator/ de-escalator be added to allow for adjustments in material costs, from the month / year the bid was submitted to the actual month/year the mill and overlay is installed.

Answer: Bid item C-10 is for asphalt work including asphalt curb and gutter. Bid item C-13 is for concrete work including concrete curb and gutter. No cost escalator/de-escalator will be made for asphalt.

- 29.) Question: Bid Item No. C-9 defines a work crew as a foreman, 1 excavator with operator, 2 laborers, 1 dump truck or utility truck with driver. What is the minimum equipment size designation for the Excavator and for the Dump Truck?

Answer: ALCOSAN has not defined size designations for equipment.

- 30.) Question: Bid Item No. C-26 states payment will be made per hour for flagpersons during sewer cleaning and/ or inspections. Should this also include during bypass pumping setup and break down, and pipe and manhole rehabilitation operations?

Answer: Payment for flagpersons is intended to cover time when flag persons are required to be present on the work.

- 31.) Question: The bid submission requirements state "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". Shouldn't this read "will be rejected" rather than "may by rejected"?

Answer: The statement is correct as written.

- 32.) Question: Spec. states the contractor is accountable for all dewatering including ground water. Would the Owner provide the ground water table elevations along the alignment?

Answer: This information is not available for ALCOSAN to provide at this time.

- 33.) Question: Spec. states that vehicle access may not be obtained to all manholes and may require foot access. Would the Owner provide a list of which manholes will require foot access only?

Answer: The Contractor is responsible for providing appropriate access, pathways and permits for his operations and may want to conduct a site visit prior to bid.

- 34.) Question: Spec. states the contractor shall complete all rehabilitation under dry weather conditions. Would the owner provide how “dry weather” conditions will be defined? For instance, amount of anticipated precipitation, percentage chance of precipitation, previous day’s precipitation, etc. How many days per month should the contractor anticipate being shut down for weather?

Answer: Lining operations cannot be performed during wet weather. Wet weather flows in the interceptor system may linger for several days after a rain event. The contractor is responsible for checking the weather forecast daily and informing the Owner of proposed activities. Wet weather flows do not relieve the Contractor of their responsibilities for ensuring that sewer service is maintained.

- 35.) Question: Spec. states: “Repair Leak at STA 0+95 with Grout, SMR-28-1 to SMR-28”. Will the Owner confirm this grout will be compensated under the contingent grout item C-17? Will this entire segment need Cleaning and Televising?

Answer: See note SMR-28-1 to SMR-28 on sheet 6 of 30. Perform cleaning, pre-installation CCTV and repairs and post-installation CCTV to confirm the repair. The repair will be paid for under bid item C-17. This pipe is a cross-connection that does not generally receive dry weather flow.

- 36.) Question: Will the Owner consider allowing a Weko Seal as an alternate repair product?

Answer: Contractors are advised to bid this project based on the Contract requirements contained in the bid documents.

- 37.) Question: Spec. states “SEGMENT MH-14 TO MH-13A WAS PREVIOUSLY CIPP-LINED. CLEAN AND INSPECT THIS SEGMENT AND PERFORM SEALING REPAIRS AS DIRECTED.” How will this Clean and Inspection be paid? What type of Sealing Repairs are to be performed and how will this be compensated? Will this line require bypass to complete the Cleaning, Inspection, and sealing?

Answer: Work will be paid for under C-17, Non-Structural Grouting for Joints and Pipe Connections. Bypass pumping, cleaning and inspection are incidental to this work.

- 38.) Question: Spec. discusses potential rehabilitation to MH S-02A-00. Will the Owner provide a section detail of this manhole? Will the Owner add a bid item for this specific work?

Answer: Rehabilitation work includes CIPP lining of incoming and outgoing interceptor pipes, paid for under Bid Item 4, and epoxy coating the interior of the concrete chamber, paid for under Bid Item 7. See attached Contract 940 Sheet 17 for additional information.

- 39.) Question: Spec. states “SEGMENT MH S-03A TO MH-S02 (TRIPLE BARREL SIPHON) REQUIRES NO REHABILITATION. CLEAN AND INSPECT ONLY.” Will

the Owner confirm the siphons are 30” diameter pipes and confirm the lengths of the Triple Barrel Siphon? Are any CCTV videos of the siphon available, the videos provided are not traditional CCTV? Will the Owner provide a section view of the siphons? Due to the difficulty of cleaning siphons, would the Owner add a bid item for this work?

Answer: This work is not required to be performed. The Contractor shall ensure that debris is not flushed into the siphon pipes during the course of the Work.

- 40.) Question: Spec. states: CONTRACTOR TO EVALUATE AND PERFORM REPAIRS IN THE PROXIMITY TO MH-01, APPROXIMATELY 7 LF DOWNSTREAM OF MANHOLE, PRIOR TO LINING. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS FOR THIS LINING WORK.” Will the Owner elaborate on what type of repairs may be required? Since this work is undefined, will contingent items be utilized to compensate the contractor?

Answer: See response to Question 12.

- 41.) Question: Will the Owner/Engineer list any known permits or licenses the contractor will need to acquire to complete this project and the associated costs? Will the owner add a bid item allowance to compensate for permit costs?

Answer: Permits or licenses required will depend on the Contractor’s plans for completing the work. ALCOSAN has obtained the permit required from PennDOT for work within the state highways. Costs are to be covered under bid item 1.

- 42.) Question: Spec. states that pumps are limited to 75 decibels at 30 feet. Additionally, between 8pm and 6am, the contractor must erect a sound resistant enclosure. Will the Owner provide a recommended reduced decibel rating for the pumps as an alternate to the enclosures?

Answer: Sound attenuating enclosures shall provide 5 to 10 dBA reduction at 30 feet.

- 43.) Question: Will the Owner reconsider how Item C-17 “Non-Structural Grouting for Joints and Pipe Connections” is priced and create a bid item per each Joint/Connection and a separate item per gallon of grout used?

Answer: The intent of this bid item is to prevent infiltration and the quantity will vary at each joint and defect. No change will be made in this bid item.

- 44.) Question: Will the Owner consider reducing the quantity of the Contingent Work? Due to the very high quantities of the contingent work, cost of work that may not be done could have a controlling effect on the ultimate low bid price. This may not be representative of which contractor could build the scoped work the most economically. Recommend owner make this as a fixed fee allowance for all contractors, and adjust as necessary for project conditions.

Answer: Contingent work shown depends on work as directed in the field, Contractor means and methods, field conditions. No bid item changes will be made at this time.

- 45.) Question: Spec. states “assume highly compacted sandy clay material” for CIPP design. However, table 1 in section 02769 2.06 E depicts the soil modulus for CIPP as 700psi. Will the Owner clarify and revise the soil modulus in table 1 to 1500 psi?

Answer: The first spec. statement involves bidding and estimating liner thickness. Paragraph 2.06E is related to actual liner design requirements. Given the lack of actual

site specific information, the soil modulus will not be changed from 700 psi.

- 46.) Question: Spec. states: “All pipes shall be considered to have an ovality of 5 percent.” However, in section 02769 2.06 F 1 it states “The Contractor shall estimate the ovality by viewing the videotapes and other information provided by the Owner. If tapes are not available, the Contractor shall assume an ovality of 5%.” Will the Owner clarify that since the videos are available, the contractor can estimate the ovality but not less than 2%?

Answer: The first spec statement involves bidding and estimating liner thickness. Paragraph 2.06F is related to actual liner design requirements. Based on engineer’s review of available CCTV, use an ovality of 3% in calculations for liner thickness.

- 47.) Question: Spec. states “Individual inversion runs may be made over one or two manhole to manhole sections up to a total length of 1,000 linear feet as determined by ALCOSAN. Will the Owner clarify the intent of this restriction? If the Contractor can abide by ALCOSAN’s intent of the restriction, is the contractor permitted to line multiple sections greater than 1,000LF?

Answer: ALCOSAN may consider accepting longer runs. However, bids should be submitted assuming the Contract specifications are followed. The limitation of lining runs is based on several factors including installation and curing time within restrictions of the highway occupancy permit. Long-term closures for lining work within the PennDOT right of way are limited to 7 PM Friday to 6 AM Monday. Additionally, the Contractor shall take note of paragraph 2.02 D of specification Section 02769: On-site wet out will not be allowed. Contractor shall incorporate means and methods, including weight of the impregnated liner for shipping when determining maximum lengths of liner runs.

- 48.) Question: Spec. states “The safety factor may be reduced to 1.5 at the discretion of ALCOSAN, normally in the case where there is accurate and detailed information known about the existing pipe and soil conditions.” Since video and soil types have been provided, will the Owner confirm that contractor can use a 1.5 Safety factor in the CIPP design?

Answer: A complete design package must be submitted for ALCOSAN approval under the Contract submittal process. Adjustments to safety factor may be submitted at that time for review. Contractor shall base the bid on a safety factor of 2.

- 49.) Question: Are there any segments that the contractor will need to assume E80 railroad loading on the CIPP design?

Answer: Railroad loading is not required in CIPP design. Rail is overhead and not impacted by the liner.

- 50.) Question: Spec. states “All design values for manufacturing shall *meet* the values listed in Table 3. Will the Owner change ‘meet’ to ‘meets or exceeds’?”

Answer: “Design thickness provided by the Contractor shall be evaluated by ALCOSAN prior to beginning work. All design values for manufacturing shall meet the values listed in Table 3, including the flexural modulus. Thinner liner design calculations will not be accepted. Materials submitted with high material strengths resulting in a thinner liner wall thickness will result in mandatory third-party strength testing samples taken at each manhole, and removal and replacement of all samples that do not meet the minimum required flexural modulus of Elasticity.”

- 51.) Question: Spec. requires “dye flush testing” and may require entering private property. Does the Owner have entry agreements with the private property Owners? Will the Owner

add a “per each” bid item to complete this work? Will the Owner add a contingent bid item for lateral launching CCTV if dye testing doesn’t confirm if a service is active?

Answer: ALCOSAN does not have right-of-entry agreements with property owners. This work is incidental to rehabilitation work and no separate payment will be made. Note that all active laterals shall be reinstated.

- 52.) Question: Spec. requires the contractor to bypass residential/commercial flow utilizing curb boxes and shall not assume water shut offs. If cleanouts are not available for bypass, will the Owner compensate the contractor using contingent items to install the curb boxes?

Answer: This work is incidental to rehabilitation work and no separate payment will be made. Contractor shall coordinate requirements with water utility and property owners.

- 53.) Question: Spec. states “The Owner may at any time direct the Contractor to obtain field samples from an intermediate manhole and cured in a clamped mold placed in the cure water.” Since it is not possible to restrain intermediate manholes to produce a reliable sample on 42” and 48” liners, will the Owner clarify that only flat plate samples will be required?

Answer: Flat plate samples shall be completed for each liner run and one sample of each pipe diameter is required to be cut from an intermediate or terminal manhole for third party testing.

- 54.) Question: Spec. discusses water tightness testing. Will the Owner describe how the contractor is to perform this test including the duration of the test? Due to the limited work times, lengthy hydraulic testing before service laterals are reinstated may not be practical and place contractor in jeopardy of exceeding permit and incurring fines from PennDOT.

Answer: This testing may be required by ALCOSAN or the Construction Manager based on field observations.

- 55.) Question: SMR 28 is in the creek and bolted down. Will the Owner provide a detailed section view of this manhole? Will the Owner provide the invert elevation of the 42” and the invert elevation of the 48” RCP?

Answer: See the Saw Mill Run Interceptor Ohio River to Conner Road Sheet 15 of 38 attached to this addendum. Coordinate with ALCOSAN for opening the manhole.

- 56.) Question: Will the Owner provide the fines associated with over running the DOT permit’s work hours? Due to the nature of CIPP lining, there may be instances where this is unavoidable.

Answer: The Contractor assumes all responsibility for complying with the terms of PennDOT and City of Pittsburgh traffic permits and should plan for this in his bid. PennDOT reserves the right to revoke permits if permit conditions are not met.

- 57.) Question: Will the Owner clarify if Bypass Contractors are considered Vendors or Subcontractors? Will Bypass Contractors be required to sign the Letter of Assent?

Answer: Typically bypass contractors are subcontractors.

- 58.) Question: Will the Owner confirm that the Contractor can have multiple crews working at multiple locations at one time?

Answer: See answer to question 18.

- 59.) Question: There are manholes near the downstream section of the project with severely offset cones that will require removal to facilitate CIPP lining. Will the Owner add a bid

item to remove and replace these cone sections?

Answer: This work is considered incidental to the sewer rehabilitation work. A contingent item is available for brick manhole modifications.

- 60.) Question: In Phase 10, is it possible to pick up the existing 12” lateral from somewhere other than MH-019-H078? There is no room for pumps to be placed at the MH for suction.

Answer: It is unknown if another location is available. It is the Contractor’s responsibility to determine pumping locations.

- 61.) Question: In Phase 10, MH019D093 is called out for 8” lateral bypass. This is not shown on plans. Please confirm that EX MH UNK (rim: 730.2; inv: 716.9) is in fact MH019D093. The called out 12” cross connection matches, but we want to be sure.

Answer: The manhole marked “EX. MH UNK” on Sheet 26 of 30 is MH019D093.

Attachments: Drawing: Contract 940 Sheets 4 and 17 (2 pgs)

Drawing: Saw Mill Run Interceptor, Ohio River to Conner Road Sheet 15 of 38

*** * * * END OF ADDENDUM NO. 2 * * * ***

SOIL STOCKPILE
AREA
STD. NO. 2-113

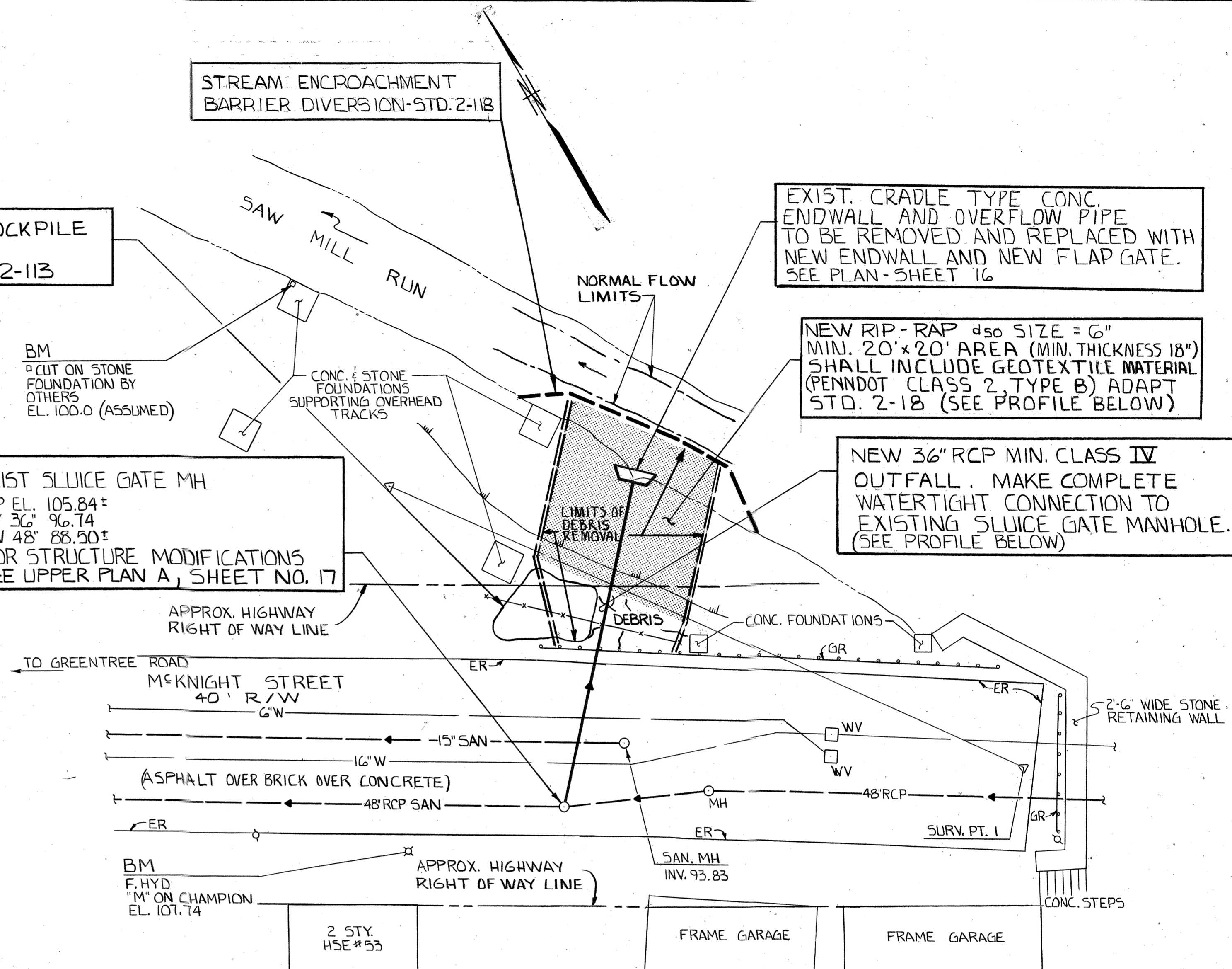
STREAM ENCROACHMENT
BARRIER DIVERSION-STD. 2-118

EXIST. CRADLE TYPE CONC.
ENDWALL AND OVERFLOW PIPE
TO BE REMOVED AND REPLACED WITH
NEW ENDWALL AND NEW FLAP GATE.
SEE PLAN-SHEET 16

NEW RIP-RAP d_{50} SIZE = 6"
MIN. 20'x20' AREA (MIN. THICKNESS 18")
SHALL INCLUDE GEOTEXTILE MATERIAL
(PENNDOT CLASS 2, TYPE B) ADAPT
STD. 2-18 (SEE PROFILE BELOW)

NEW 36" RCP MIN. CLASS IV
OUTFALL. MAKE COMPLETE
WATERTIGHT CONNECTION TO
EXISTING SLUICE GATE MANHOLE.
(SEE PROFILE BELOW)

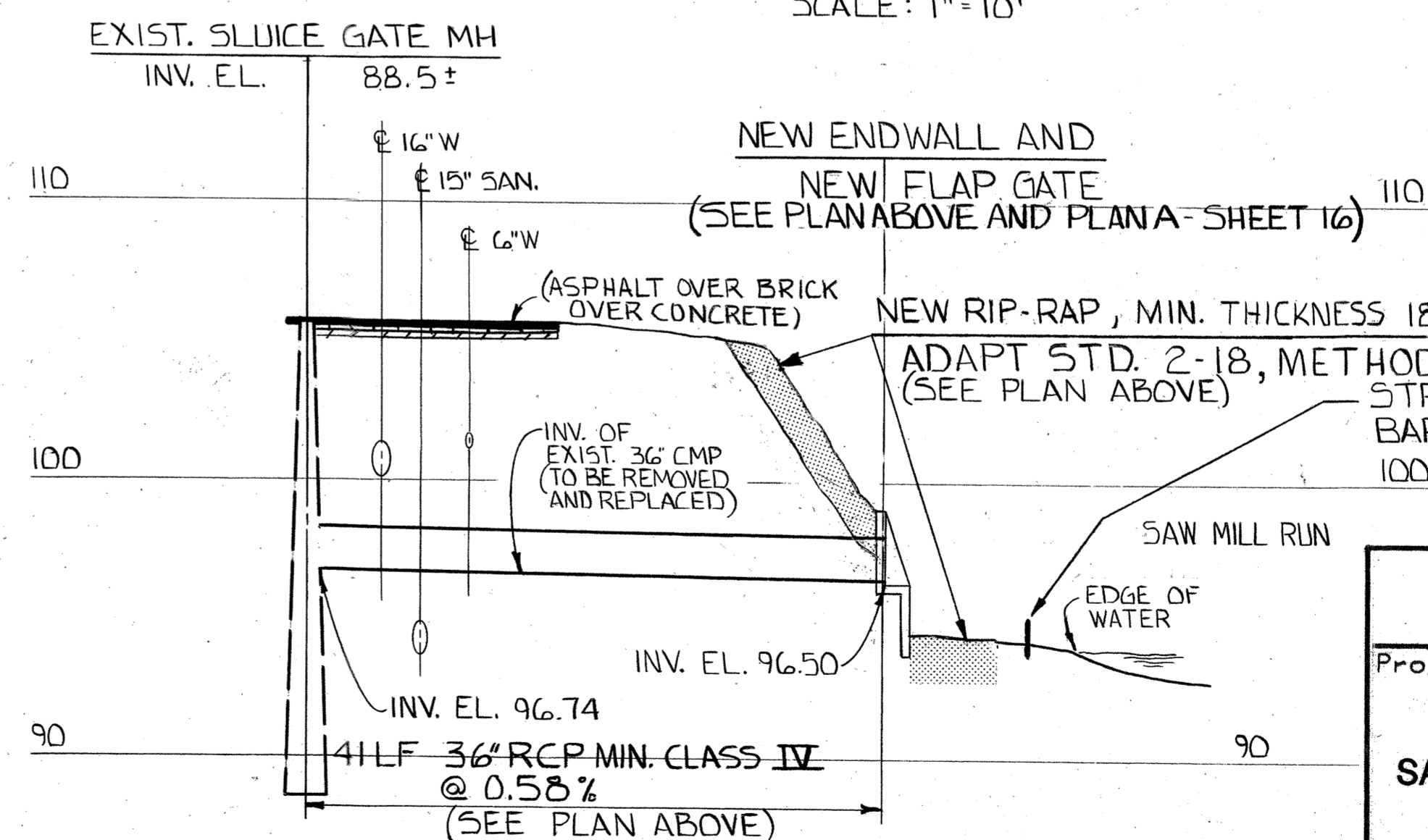
EXIST SLUICE GATE MH
TOP EL. 105.84±
INV 36" 96.74
INV 48" 88.50±
FOR STRUCTURE MODIFICATIONS
SEE UPPER PLAN A, SHEET NO. 17



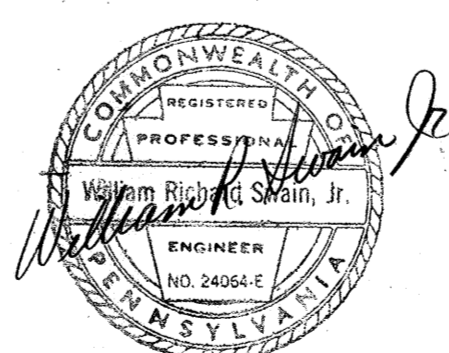
McKNIGHT STREET
OUTFALL REPLACEMENT, SLUICE GATE MH MODIFICATIONS
AND CONSTRUCTION OF ENDWALL AND FLAP GATE

ITEM NO. 5
PLAN
SCALE: 1" = 10'

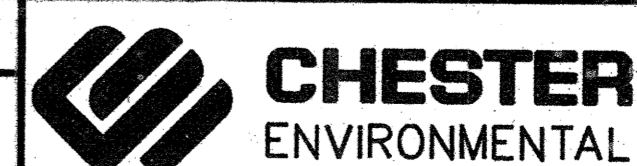
NOTE:
CONTRACTOR SHALL
REMOVE AND PROPERLY
DISPOSE OF ALL DEBRIS
AND UNSUITABLE MATERIAL
NOW ON SITE WITHIN
LIMITS SHOWN. PROVIDE, INSTALL
& COMPACT ALL NECESSARY ADDITIONAL
FILL MATERIAL TO MAINTAIN
EXISTING GROUND SURFACE
ELEVATIONS.



PROFILE - ITEM NO. 5
SCALE: HORIZ-1" = 10'
VERT-1" = 5'

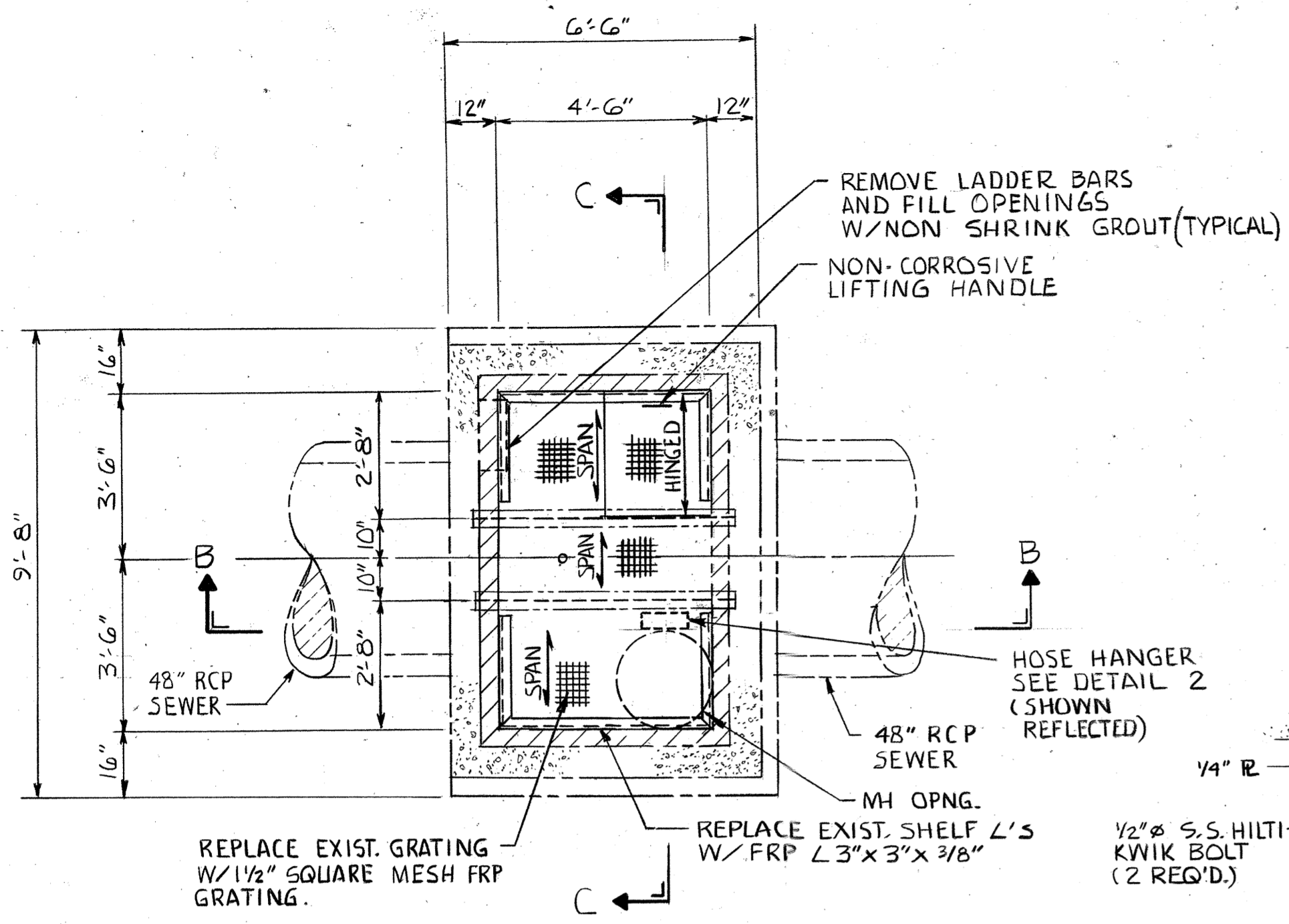


REV.	DESCRIPTION	DATE	APP.	APPROVED
				William C. Tref 3/7/94 EXECUTIVE DIRECTOR PA. PE 20204E
				Joseph W. Longpl 3/7/89 DIRECTOR OF ENGINEERING AND CONSTRUCTION PA. PE 19592E
AS-BUILT		4-7-00	REL	

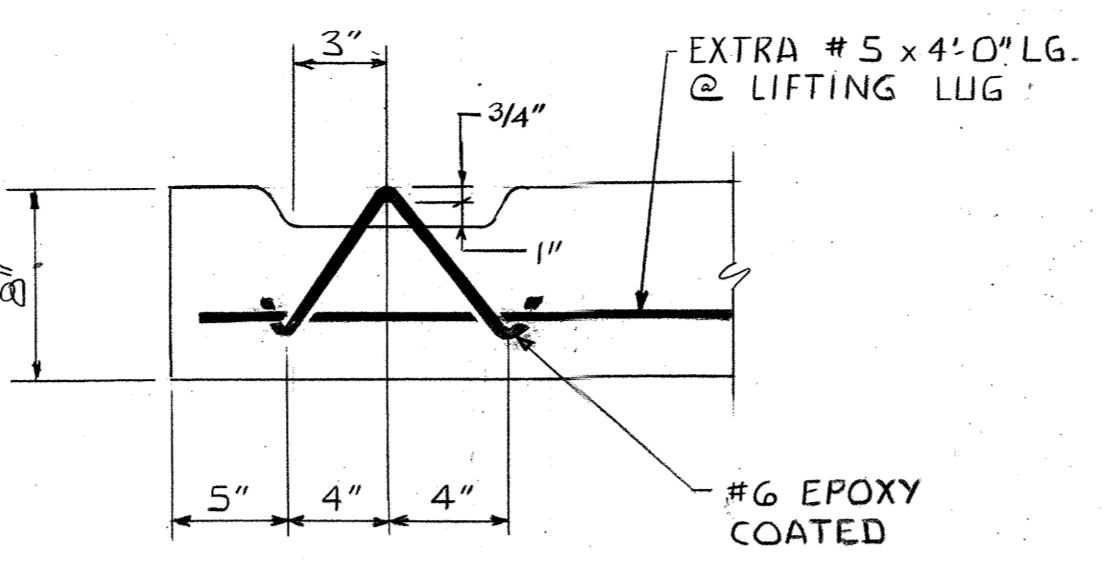


DWG. NO. 2232-571
DATE MARCH 1994

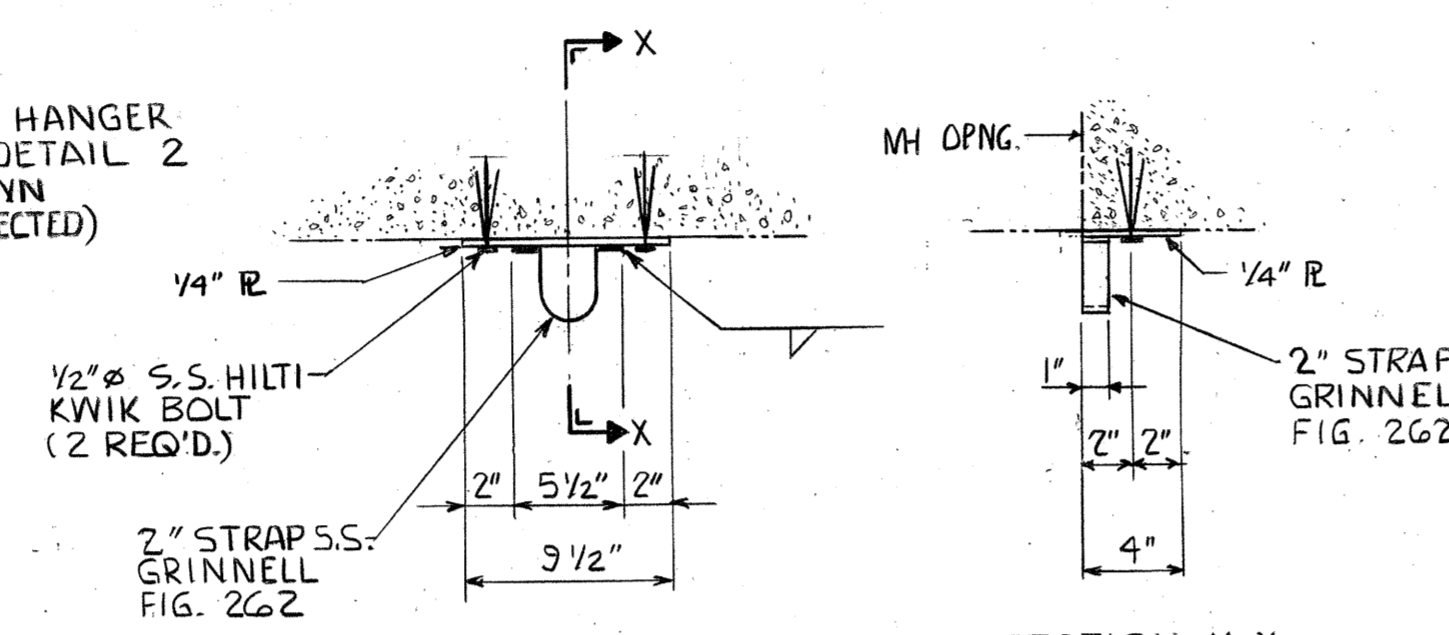
ALLEGHENY COUNTY SANITARY AUTHORITY PITTSBURGH, PENNSYLVANIA	
Project:	REPAIRS AND REPLACEMENT FOR SAW MILL RUN INTERCEPTOR STRUCTURES
Sheet Title:	ITEM NO. 5
Drawn by:	AS SHOWN
Checked by:	
Approved by:	



GATE CHAMBER
UPPER PLAN A
SCALE: 3/8" = 1'-0"

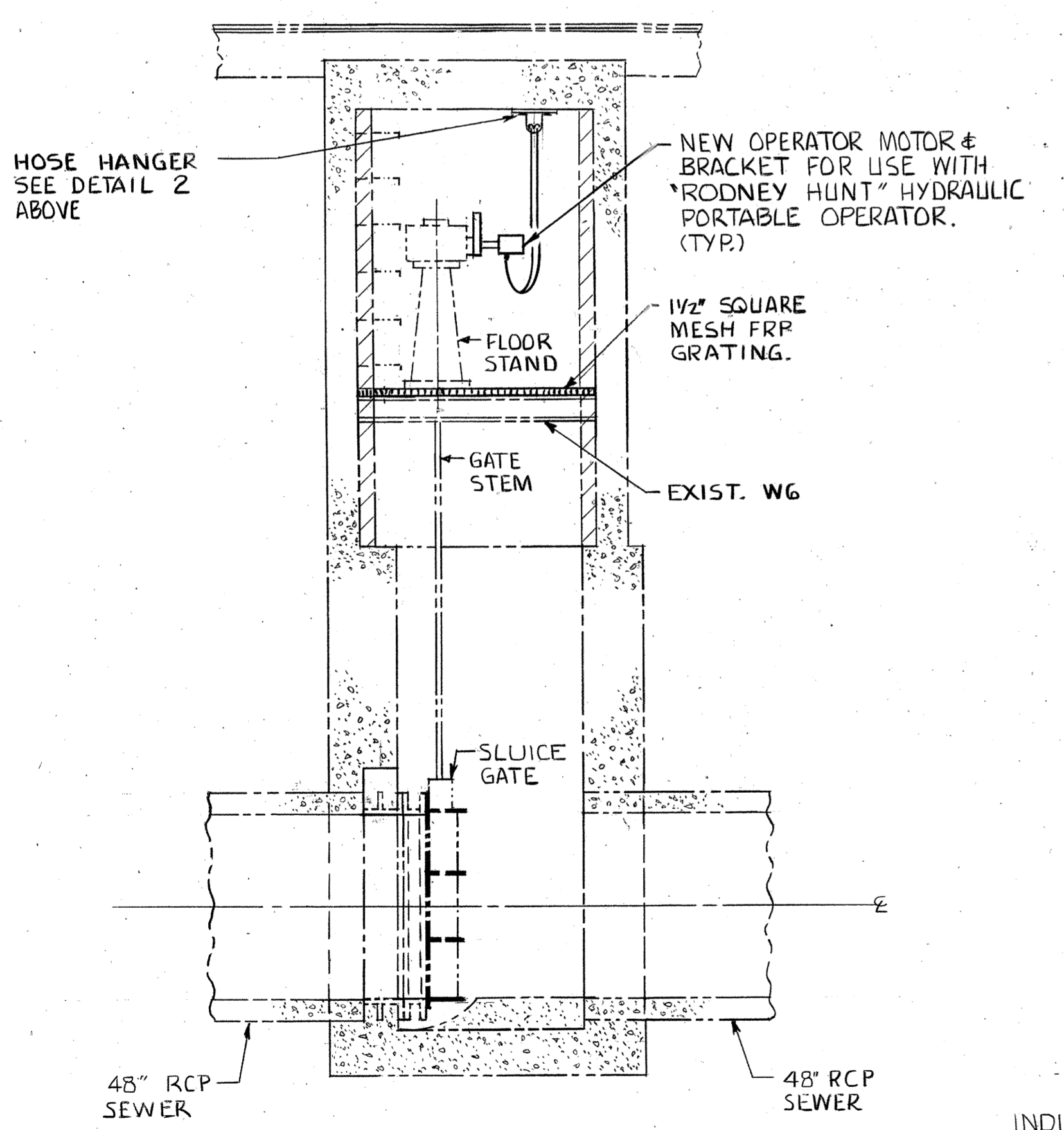


LIFTING LUG
DETAIL 1
SCALE: 1 1/2" = 1'-0"

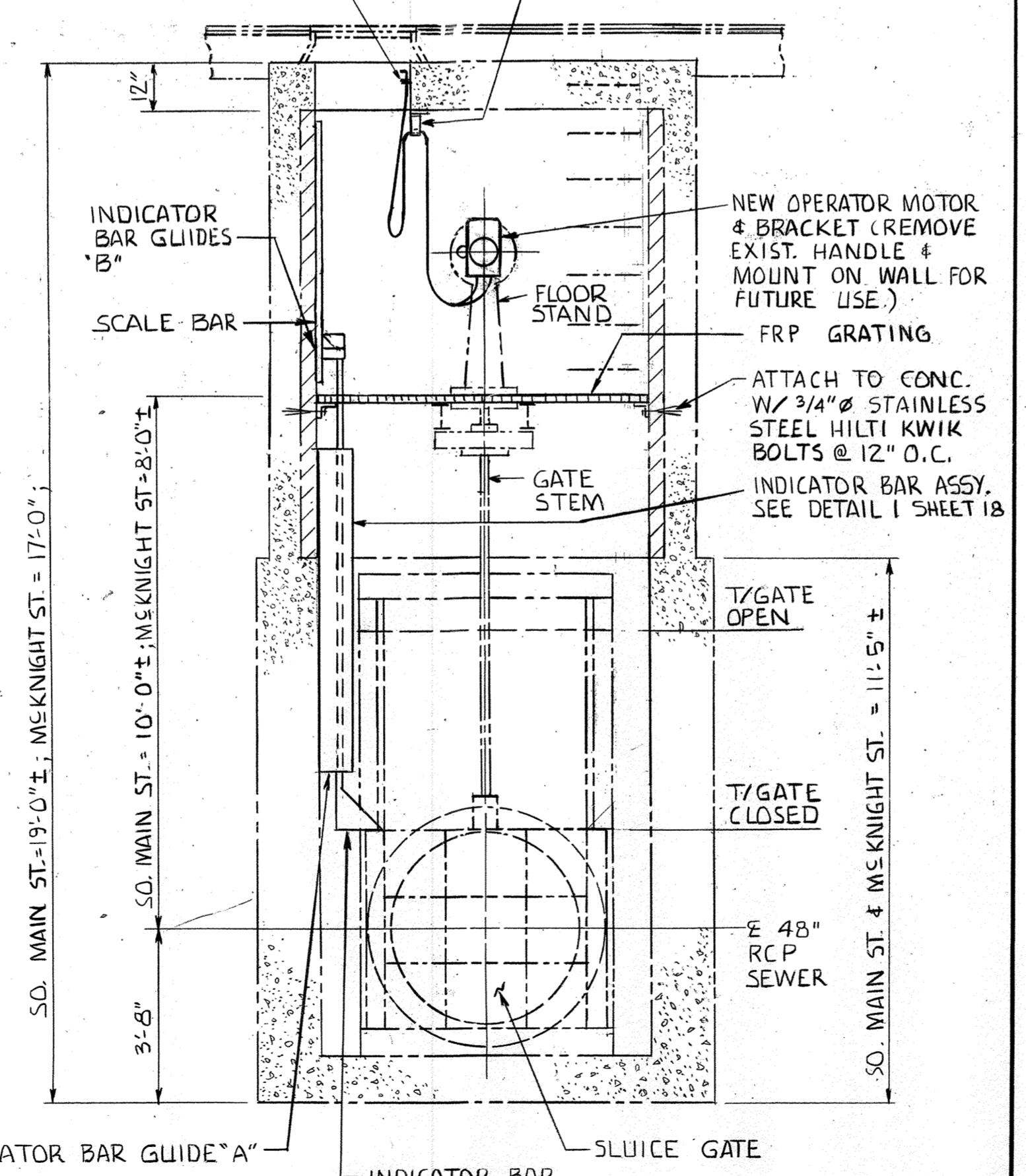


HOSE HANGER
DETAIL 2
SCALE: 1 1/2" = 1'-0"

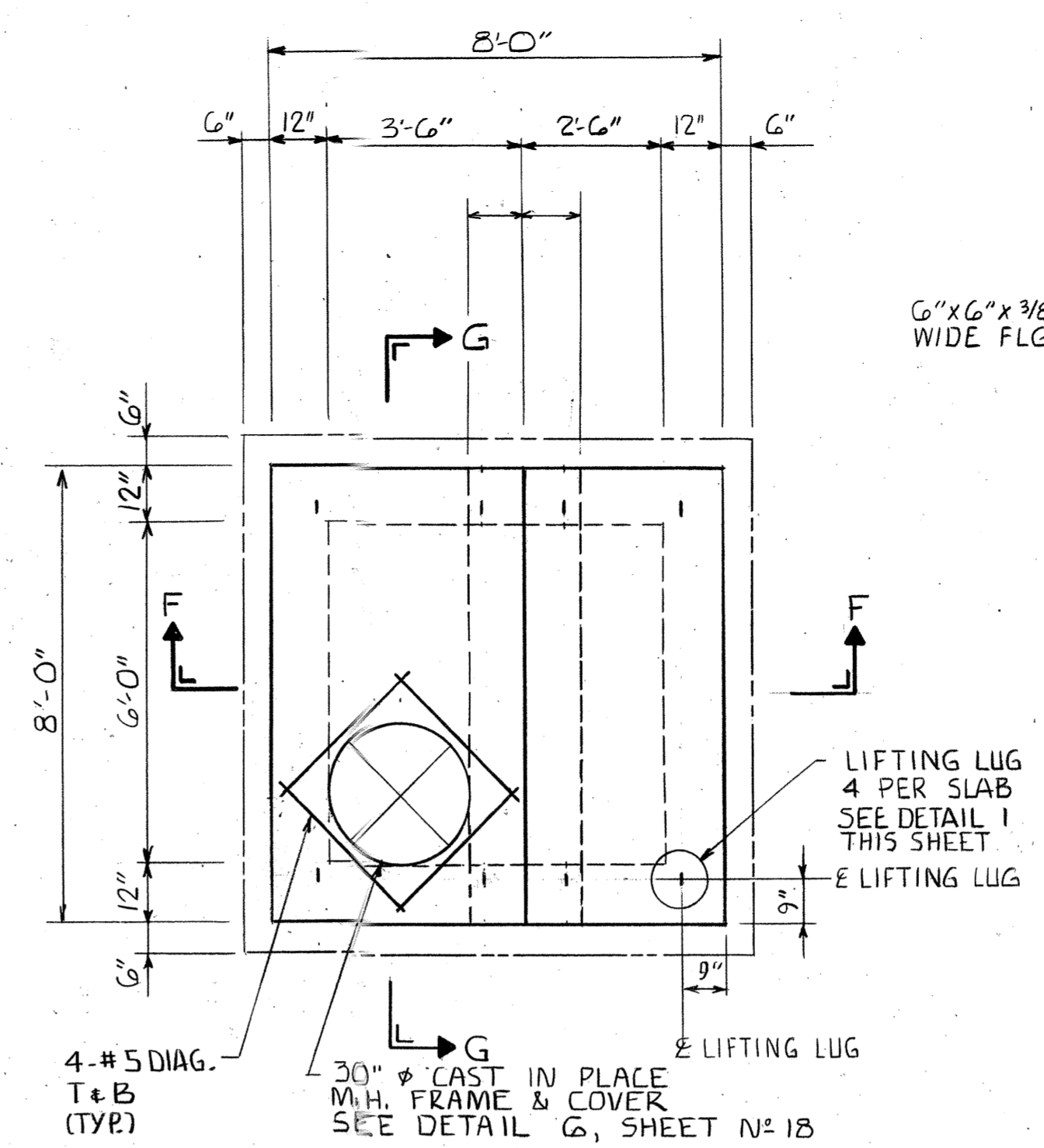
NONCORROSIVE SPRING CLAMP (SIZE TO SUIT FITTING) ATTACH TO CONC. W/ 5/8" S.S. HILTI KWIK BOLTS.



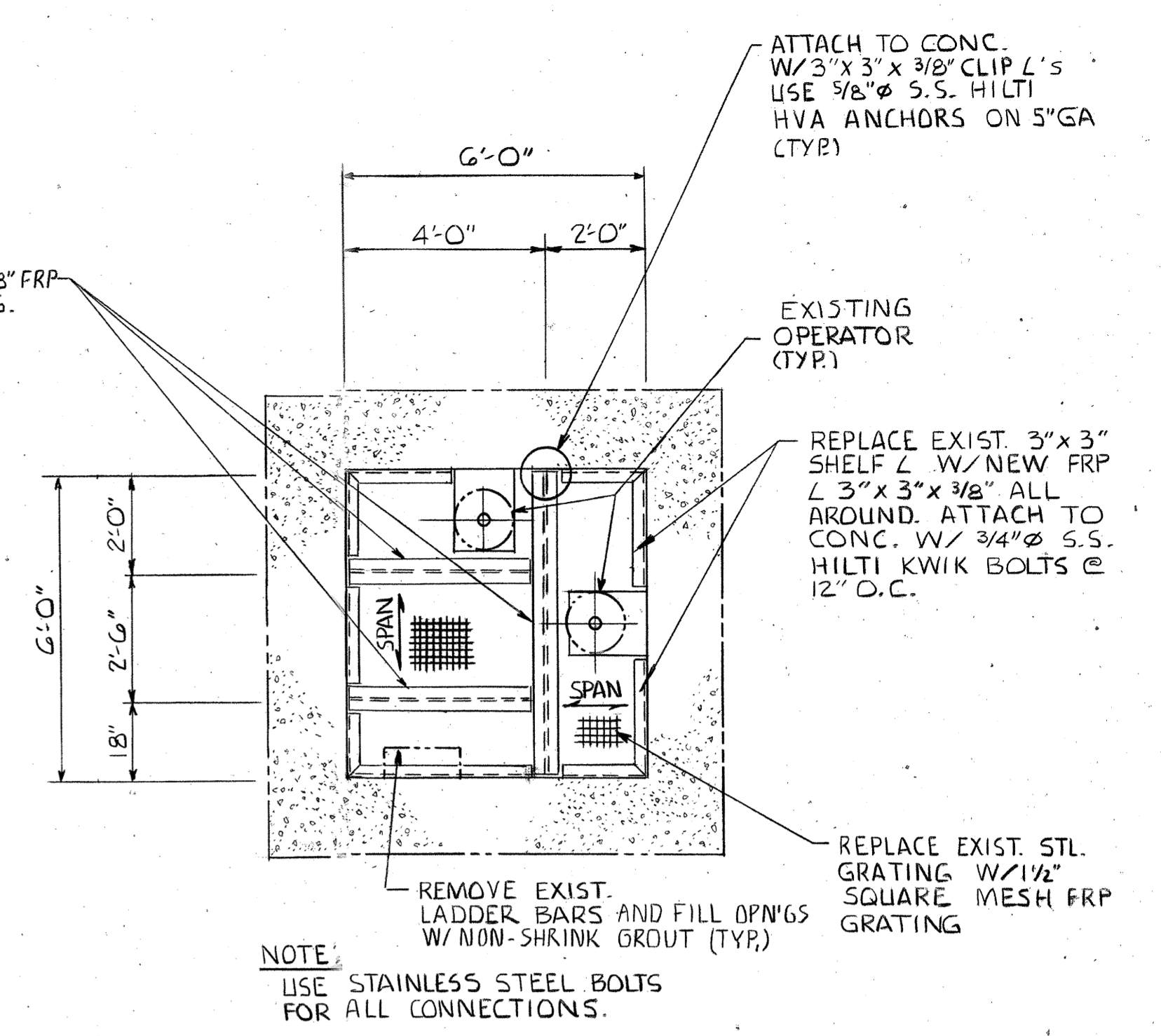
SECTION B
SCALE: 3/8" = 1'-0"



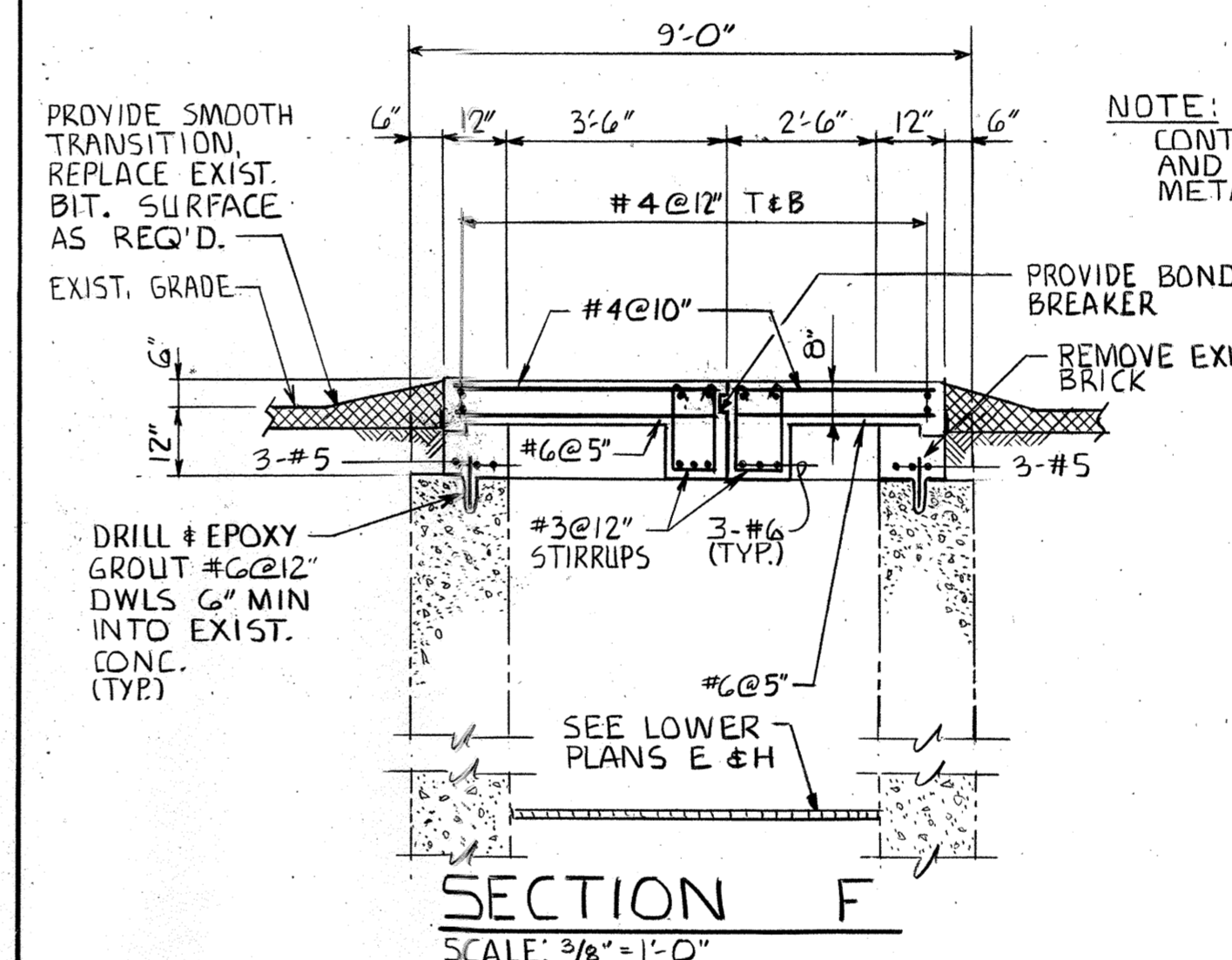
SECTION C
SCALE: 3/8" = 1'-0"



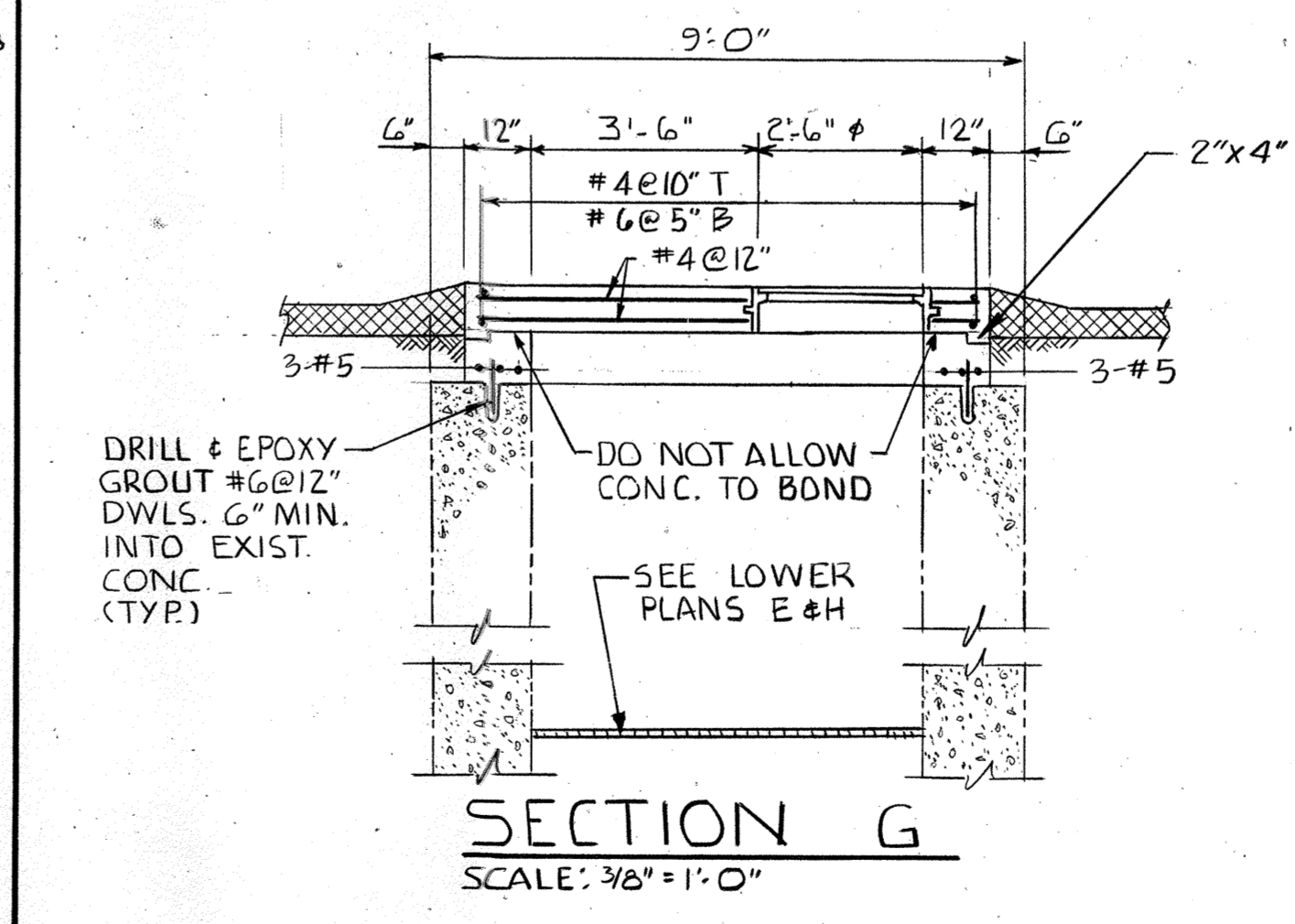
TOP PLAN D
SCALE: 3/8" = 1'-0"



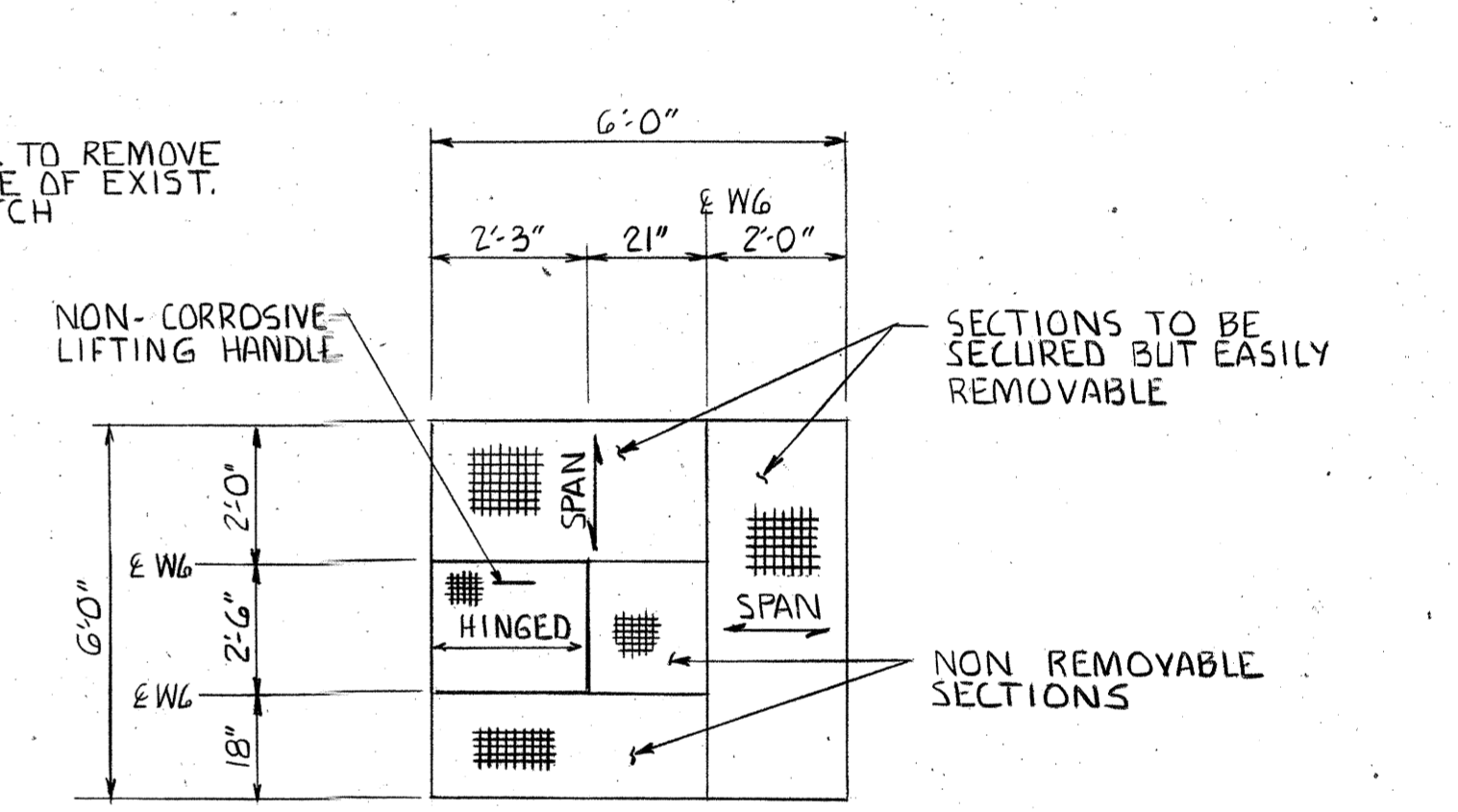
LOWER PLAN E
SCALE: 3/8" = 1'-0"



SECTION F
SCALE: 3/8" = 1'-0"



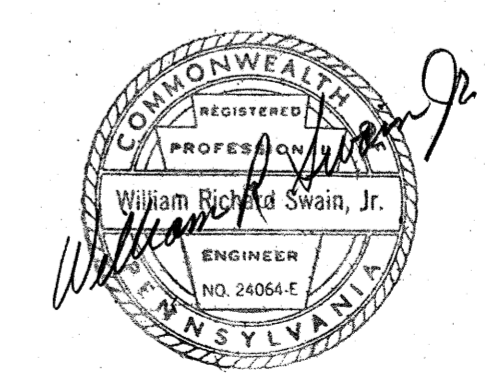
SECTION G
SCALE: 3/8" = 1'-0"



GRATING PLAN H
SCALE: 3/8" = 1'-0"

- NOTES:
- 1) DUE TO THE PROBABLE PRESENCE OF SEWER GAS IN THE GATE CHAMBERS, NO WELDING WILL BE PERMITTED WITHIN SAME NOR IN THE IMMEDIATE VICINITY THEREOF. THE CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY FOR ANY AND ALL DAMAGES INCURRED FOR NON-COMPLIANCE WITH SAME.
 - 2) CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS.
 - 3) ALL DIMENSIONS AND/OR EXISTING CONDITIONS SHOWN FOR EXISTING STRUCTURES AND EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. WHERE DIFFERENCES OCCUR IN SUCH DIMENSIONS OR CONDITIONS BETWEEN WHAT IS INDICATED ON THESE DRAWINGS AND THE ACTUAL FIELD CONDITION, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED BY THE CONTRACTOR IMMEDIATELY, AND BEFORE ANY WORK CONTINUES.

ITEM NO. 1
SEE SHEET NO. 1
FOR PLAN VIEW



ALLEGHENY COUNTY SANITARY AUTHORITY
PITTSBURGH, PENNSYLVANIA
Project: **REPAIRS AND REPLACEMENT FOR SAW MILL RUN INTERCEPTOR STRUCTURES**

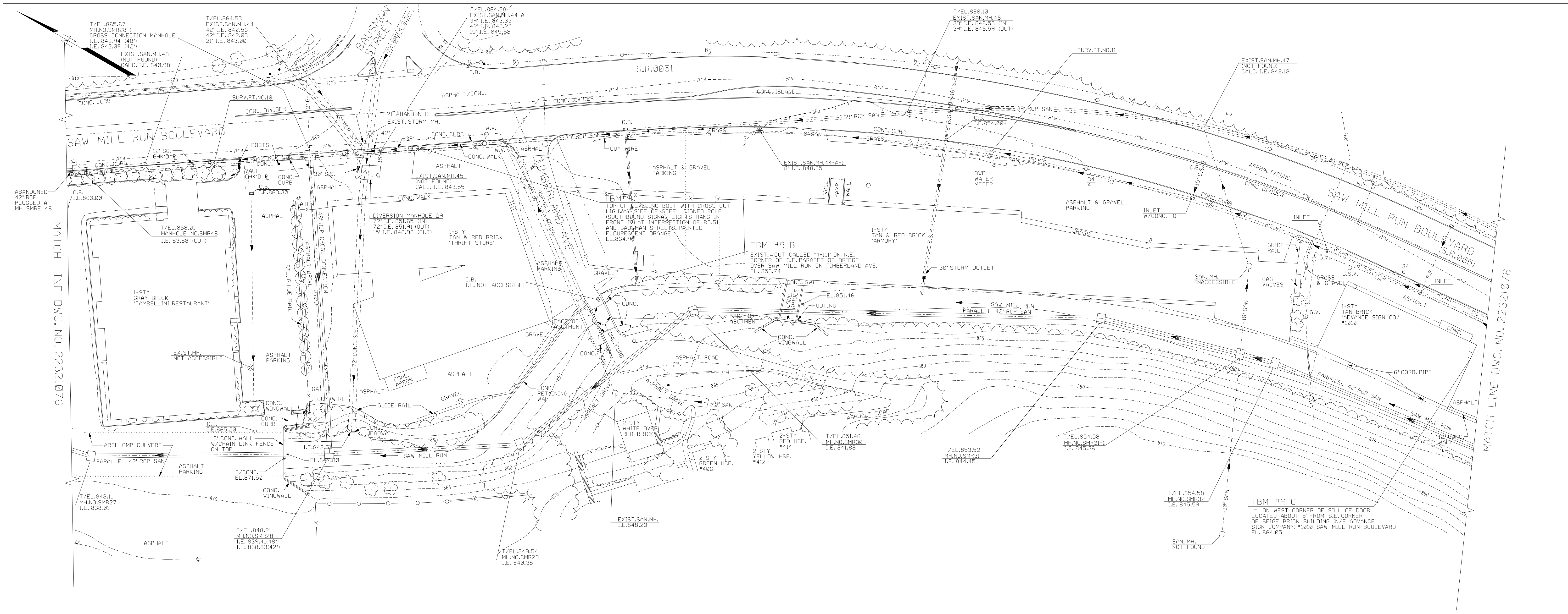
Sheet Title:	DETAILS		
drawn by:	scale:	Dwg. No.	
checked by:	AS SHOWN		
approved by:	date:		
DWG. NO. 2232-565			
DATE MARCH 1994			

REV.	DESCRIPTION	DATE	APP.	APPROVED
AS-BUILT		4-7-00	REL	

CHESTER ENVIRONMENTAL
DWG. NO. 2232-565
DATE MARCH 1994

ITEM NO.	LOCATION
2	SOUTH MAIN ST.
5	McKNIGHT ST.

BRUNING 44-232 72725



THIS PLAN DOES NOT SHOW ANY CHANGES TO THE TOPOGRAPHY AS A RESULT OF PENNDOT'S RECONSTRUCTION OF THE SR 51 AND LIBERTY TUNNELS INTERCHANGE BETWEEN CRANE AVENUE AND BAUSMAN STREET.

SEE RECORD DWG. NOS. 22321010 AND 22321095 IN CONTRACT 1105

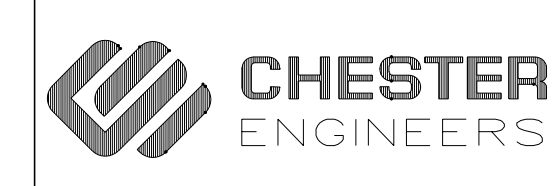
DRAWN BY: IWF
 CHECKED BY: WJK
 EXAMINED BY: REL
 ALCOSAN EXAMINED BY:

NOTE:
 THE EXISTANCE AND LOCATION OF ALL UTILITY LINES HAS NOT BEEN FIELD VERIFIED.

REV.	DESCRIPTION	DATE	APP.	APPROVED
2	RECORD DRAWINGS	08-2000		EXECUTIVE DIRECTOR _____ DATE _____
2	ADDED RECORD ALIGNMENT FOR CONTRACT 1104, 1105, 1106 & 1107	02-2000		DIRECTOR OF ENGR. & CONST., PAPE-19592E _____ DATE _____
1	RECORD DRAWINGS	FEB, 1996		PROJECT MANAGER _____ DATE _____

ALLEGHENY COUNTY SANITARY AUTHORITY
 PITTSBURGH, PENNSYLVANIA
SAW MILL RUN INTERCEPTOR
 OHIO RIVER TO CONNER ROAD

SCALE: 1"=40' SHEET 15 OF 38



DWG. NO. 223267\ 22321077.ASB
 DATE Feb. 07, 2000\ 10:45