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TRANSMITTAL COVER SHEET

DATE: November 10, 2023
PAGE: 1 of 17 (INCLUDING THIS PAGE)
TO: ALL CONTRACTORS
FROM: DENISE KING
PROJECT: ROBERTSDALE WASTEWATER TREATMENT PLAN UPGRADES
USDA RURAL DEVELOPMENT
FOR CITY OF ROBERTSDALE
GMC PROJECT NO. CMOB210098(A)
RE: ADDENDUM #4

PLEASE COMPLETE BELOW AND RETURN IMMEDIATELY.

Ashley Morris
Email: Ashley.Morris@gmcnetwork.com

I, the undersigned, hereby acknowledge receipt of this Addendum.

Authorized Representative of Contractor

Date

Company Name

Telephone

Fax

Contractor's License Number (if applicable)



ADDENDUM NUMBER 4

WASTEWATER TREATMENT PLANT UPGRADES

USDA RURAL DEVELOPMENT

FOR

THE CITY OF ROBERTSDALE

GMC PROJECT NO. CMOB210098A

1. Revisions to Project Manual

- 1.1 The following revisions are hereby added as Addendum No. 4 to the referenced Project Manual and Plans and shall be considered when preparing bids.

2. Revisions to Project Manual

- 2.1 The **bid opening time** has been changed to **1:00 P.M. CST**. The day and location remain the same.
- 2.2 The Work will be substantially complete within **485** days, which is increase of 120 days.
- 2.3 Specification 46 43 12 – Aeration Basin Liners
- Solmax is an approved manufacturer for Aeration Basin Liners
- 2.4 Sheet D-921 – Valve Schedule
- V1110 has been replaced by V1120 and Sheet D-921 has been updated to reflect the project drawings.
- 2.5 Specification 40 71 13 – Magnetic Flow Meters
- Schneider/Foxboro is an approved manufacturer
- 2.6 Specification 40 05 59 – Stainless Steel Slide Gates
- Fontaine is an approved manufacturer
- 2.7 Specification 40 05 62 – Plug Valves
- Val-Matic is an approved manufacturer

3. Clarifications

- 3.1 All required permits/licenses under city oversight shall be completed, but their associated fees shall be waived.

4. Questions

- 4.1 **Question: 01-00-00 paragraph 1.6.A.2: says for allowances that Contractor's costs for labor, installation, overhead, etc. is to be included in the contract sum, not the allowances. Please revise.**
Answer: Contractors shall be paid for labor resulting from any new work paid for out of the allowances that is not included in the project drawings and specifications.
- 4.2 **Question: Will the Owner pay for water, sewer, and power utilities?**



Answer: Contractor shall provide portable facilities for sewer. Owner will provide water and power utilities. Contractor shall coordinate with owner on location of trailers.

4.3 **Question: Regarding sheet G-006, when will the 100-year flood elevation be established??**

Answer: The 100-year flood elevation is not expected to affect the project area. Based on FEMA flood maps, the 100-year flood elevation in the area is lower than 90 feet MSL, and all proposed structures are set higher than this level.

4.4 **Question: Sheet D-101: Please verify that V1120, on the 16” bypass line, is a plug valve. It’s not on the valve schedule.**

Answer: V1120 on the 16” bypass line is a plug valve with a flanged connection and handwheel actuator. Sheet D-921 has been revised and included as an attachment to this addendum. V1110 has been replaced by V1120 to reflect the process drawings.

4.5 **Question: The advertisement mentions the Davis-Bacon Act, however there are not any wage rate determinations given in the specs. Does this project include wage requirements?**

Answer: This project does not include Davis-Bacon Act wage requirements.

4.6 **Ref. sheet X-301, General Note #1. Engineer/Owner needs to quantify the amount of debris, grit, sludge, etc. in the existing basins. It is noted that the GC must remove this from the basins. Please establish quantity and advise if this material can be disposed of onsite.**

Answer: All mixed liquor from the existing aeration basins can be gradually pumped to the online aeration basins for treatment. The remaining grit in the basins can be disposed of onsite on the north portion of the plant downhill of the basins. It is estimated that approximately 500 CY grit is present in the basins (average of 250 CY each existing basin).

4.7 **Provide rebar details for clarifier lower section walls on sheet S-404.**

Answer: All reinforcing is called out on sheet S-404. Please clarify if it is felt that something is missing.

4.8 **At the new aeration basin the tees on the air line say to “cut in” but isn’t this all new airline?**

Answer: All of the airline for the new aeration basin on sheet D-303 (Aeration Basin #1) shall be new airline. Key Notes #5 and #6 on Sheet D-303 are incorrect and shall be disregarded. Key Note #6 on Sheet D-304 shall remain.

4.9 **Do we reuse the existing handrail at the existing aeration basins?**

Answer: Existing handrail at the existing aeration basins shall be reused. If the handrail is damaged during construction, repairs shall be made at the expense of the contractor.

4.10 **Ref. sheet D-306, general note #2, says for GC to provide all supports, anchor bolts and gaskets for the owner-furnished Weir Trough. These items should be part of the design and supply of the Weir Trough manufacturer. Otherwise, GMC needs to provide design details. Please clarify.**

Answer: Design details for the weir and trough assembly are shown on sheet D-306 based on the weir trough manufacturer’s standard design. The weir trough manufacturer may provide the anchors, bolts, supports, gaskets, etc. as necessary, however the main FRP weir trough shall be supplied by the owner. The original provider of the weir and trough assembly was the Parkson Corporation.

4.11 **S-001 has detail for retaining wall, but civil dwgs do not show any walls. Please confirm there are no retaining walls.**

Answer: No retaining walls are included in the work of this project.

4.12 **Does stabilizing disturbed soil/common areas require – min 4” topsoil + temp seed + permanent seed + fertilizer + pesticides + mulch + erosion control netting/blankets?**



Answer: Any disturbed area left exposed for greater than 14 days shall be stabilized with mulch or temporary seeding. All regraded areas not to be paved shall be seeded and mulched according to ALDOT permanent seeding schedules. Erosion control measures are indicated in the erosion control plans in the civil sheets. Permanent seeding shall be implemented once the sitework is complete.

- 4.13 **Typical trench detail for storm drain bedding, haunching and backfill is for RCP – Does this detail apply for Proposed PVC/HDPE pipe install or to be per manufacture recommendations?**

Answer: The trench for storm drain bedding, haunching, and backfill shall be per manufacturer recommendation.

- 4.14 **Proposed storm drain pipe is shown as HDPE and PVC – is ADS N-12ST HPDE and Contech A-2000PVC Acceptable Storm Drain Pipe and Accessories?**

Answer: Yes, ADS N-12ST HDPE and Contech A-2000PVC are acceptable storm drain pipe and accessories.

- 4.15 **Where aggregate surfacing exist, does it need to be removed to be installed at proposed grade(s) at proposed 8” depth or added to existing aggregate as need to achieve proposed grade.**

Answer: Aggregate surfacing does need to be removed to be installed at proposed grades.

- 4.16 **Please provide a sidewalk detail?**

Answer: Sheet C-902 has been revised to include a sidewalk detail and is included as an attachment to this addendum.

- 4.17 **Is 4” select sand (less than 10% passing #200 sieve) required for all concrete foundations/slabs above and below grade per geotechnical report section 5.2 Floor Slabs or to be per S-001 Pump Station Slab which appears to show 6” CAB?**

Answer: Subgrade preparation shall be per geotechnical report; if structural sheets differ, disregard.

- 4.18 **Below grade wall backfill requirements to be per - S-001 Foundation Note No 4. “BELOW GRADE WALLS ARE DESIGNED FOR AN “AT REST” EQUIVALENT FLUID DENSITY OF 90 LBS/FT³. BACKFILL SHALL CONSIST OF USC SM, SC, SP, SW, GW, OR GP. THE BACKFILL SHALL EXTEND UPWARD FROM THE TOP OF THE FOOTING ON A LINE 30 DEGREES FROM THE VERTICAL. SAMPLES OF ALL BACKFILL MATERIAL SHALL BE EVALUATED BY A THIRD-PARTY TESTING AGENCY FOR USE AS BACKFILL or.....Geotechnical Report 5.3 Below Grade Walls – “It is recommended that the walls be supported by footings as outlined above and backfilled with a free draining material such as crushed stone/gravel or clean sand (less than 10% passing a No. 200 sieve). A drainage system should be provided near or at the base of the walls to collect and remove water or seepage and to prevent buildup of hydrostatic pressures. This should be connected to storm drains or pumped from a sump away from the structure + Walls that support buildings or are otherwise restrained at the top should be designed for “at rest” earth pressure conditions. Walls that are free to deflect should be designed for “active” earth pressure conditions. The “passive” earth pressure state should be used for soils supporting the retaining structure, such as toe backfill. Relatively free-draining crushed stone/gravel or sand should be used as backfill.”**

Answer: Below grade wall backfill requirements shall be per S-001 Foundation Note No. 4

- 4.19 **Can excess organic material, soil and clearing debris be disposed of on-site? If so, where?**

Answer: Vegetation shall be spoiled onsite in a pile to the north of headworks. Owner will haul vegetation to landfill. Extra soil from clearing and excavation may be spoiled onsite to the north of the aeration basins.

- 4.20 **Construction Entrance detail is provided, but not shown. Is it required? If so, where?**



Answer: Construction entrance is required to the west of the new headworks where the existing gravel road meets the existing fence and gate. This area can generally be seen on sheet C-301.

- 4.21 **Is project to be bid as recommended in geotechnical report 4.2 Time of Year Site Preparation Considerations for “Dry Season” and increased site cost due to “Wet Season” to be reimbursed through approved unit price change order(s)?**

Answer: The time of year the sitework is done shall be taken into account by the contractor in the bid. No change orders will be given for site costs due to seasonal conditions.

- 4.22 **The specifications state the Owner will engage/provide the testing agency. Will this owner provided testing agency conduct the electrical testing required per the specifications?**

Answer: The owner’s testing agency will be responsible for materials testing. All Division 26 items shall be installed and tested by the electrical contractor and manufacturer’s representative.

- 4.23 **Will the owner provided testing agency conduct the infrared scanning that is required per the specifications?**

Answer: No, this is to be done by the contractor.

- 4.24 **Spec section 260529 and 260533 states a delegate engineer is required to provide a design submittal for all hangers and supports as well as the conduit route coordination. Is this delegate engineer to be provided by the Electrical contractor or will be it provided by the owner or through an allowance?**

Answer: Conduit route coordination needs to be submitted. Design submittal for hangers and supports is not required. Equipment submittals are required.

- 4.25 **Sheet E-001, general note 4 calls for Galvanized Rigid Conduit to be used. Will it be acceptable to use aluminum rigid conduit instead of the GRC?**

Answer: Aluminum conduit is acceptable and preferred as long as conduit supports isolate aluminum conduit from contact with Concrete. Sub surface conduit and conduit in contact with concrete shall be properly protected with bitumastic tape.

- 4.26 **Sheet E-101 general notes require all transitions from aluminum Rigid conduit to LFMC are required to be made through a NEMA 4X stainless steel J-box with terminal blocks in each box. Is this going to be required on all transitions?**

Answer: Yes 316 stainless steel junction boxes are required in these scenarios.

- 4.27 **If J-boxes are required on all transitions will PVC J-boxes be acceptable in lieu of the Stainless steel N4X to reduced project cost?**

Answer: Junction boxes shall be N4X 316 stainless steel.

- 4.28 **Sheet E-901 detail 3, is calling for stainless steel to be used, with this project being an American Iron and steel project this is a very expensive adder. Can Aluminum be used in lieu of the stainless steel to reduce the project cost?**

Answer: Aluminum is acceptable for detail 3 on sheet E-901 as long as stamped structural drawings are submitted to the owner and engineer for approval.

- 4.29 **Sheet E-901- detail 5 – Note #1 calls for exothermic or split bolts to be used. Will a crimped connection be acceptable?**

Answer: Crimped connections are acceptable.

- 4.30 **Sheet E-901 – detail 6 – calls for Quazite boxes. Will other manufactures be acceptable or does it have to be quazite?**



Answer: Other manufacturers are acceptable as long as they meet the design characteristics of the specified box.

- 4.31 **Sheet E-902 – detail 1&2 – calls for a 316 stainless steel framing. Since this project is an American Iron and steel project this is a very expensive adder. Can Aluminum be used in lieu of the stainless steel to reduce the project cost?**

Answer: Aluminum is acceptable for detail 1&2 on sheet E-902 as long as stamped structural drawings are submitted to the owner and engineer for approval.

- 4.32 **Sheet E-911 shows E-stops. Are these E-stops provided with the equipment? If not, please provide detail or parts list on the type of E-stops that will be required to be furnished by the Electrical contractor.**

Answer: E-stops are part of the vendor package equipment.

- 4.33 **Drawing I-501 seems to indicate that LCP5000 has a PLC included for controls but it is not mentioned in Specification 260444A or 432340. There does not appear to be a sequence of operation in the specifications either. 20444A and 432340 both reference Specification 407023 but it is not included in the specification. Do you have a sequence of operation for the RAS/WAS control panel? Also, do you have any specification for the PLC if it is required?**

Answer: No PLC is required for controls of the RAS/WAS pump station. The control panel for the RAS/WAS pump station shall be per specification 260444A.

- 4.34 **If a PLC is required will an HMI also be necessary? If so, what are the requirements?**

Answer: No PLC is required.

- 4.35 **The Riser Diagram on Drawing E-912 does not indicate a main breaker for FCP5000 and Specification 260444A does not list a Main Circuit breaker. Is the intent to provide overcurrent protection for the panel from Panel HVB?**

Answer: The main circuit breaker is not required in the control panel. Overcurrent protection is provided by the panel feeding the control panel.

- 4.36 **Can you confirm the Owner will pay for concrete and soils testing. I do not see where is specifically says the Owner will cover the cost. The specs just say “The Owner will engage”.**

Answer: Materials testing is to be paid for by the owner. Contractor shall be responsible for coordinating and scheduling the materials testing.

5. Attachments

- 5.1 Revised Valve Schedule (Sheet D-921)
- 5.2 Revised Civil Details (Sheet C-902)
- 5.3 Revised Bid Form



6. Acknowledgement of Receipt

6.1 Receipt of Addendum No. 4 shall be acknowledged in two ways:

6.1.1 Note on (EJCDC C-410) page 3 of Bid Form of the Project Manual – Bidder acknowledges receipt of “Addendum No. 4” and date of “November 10, 2023”.

AND

6.1.2 EMAIL GMC office immediately at ashley.morris@gmcnetwork.com with the signed transmittal which confirms the addendum has been received and is legible.

7. Conclusion

7.1 This is the end of Addendum No. 4, dated Friday, November 10, 2023.

BID FORM FOR CONSTRUCTION CONTRACT – ADDENDUM NO. 4

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to:

City of Robertsdale

Attn: The Honorable Charles Murphy

P.O. Box 429

22647 Racine Street

Robertsdale, AL 36567

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. List of Proposed Subcontractors;
- C. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
- D. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
- F. Required Bidder Qualification Statement with supporting data; **and**
- ~~G. [List other documents and edit above as pertinent].~~
- G. If Bid amount exceeds \$10,000, signed Compliance Statement (RD 400-6). Refer to specific equal opportunity requirements set forth in the Supplementary Conditions of the Construction Contract (EJCDC C-800);
- H. If Bid amount exceeds \$25,000, signed Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions (AD-1048);
- I. If Bid amount exceeds \$100,000, signed RD Instruction 1940-Q Exhibit A-1, Certification for Contracts, Grants, and Loans.
- J. Accounting of Sales Tax Attachment to Proposal Form.

ARTICLE 3—BASIS OF BID—

3.01 Lump Sum Bids

A. Bidder will complete the Work in accordance with the Contract Documents for the following lump sum (stipulated) price(s), together with any Unit Prices indicated in Paragraph 3.02:

The Bidder hereby proposes to accept as full payment for completion of the Project the amounts computed under the provisions of the Contract Documents and based on the following lump sum amount. The Bidder agrees that the lump sum price represents a true measure of the labor and material required to perform the work, including all allowances, overhead and profit for work called for. The Lump Sum (LS), including cash allowances, shall be shown in both figures and words. If a discrepancy exists between the amount stated in words and the amount stated in figures, the amount stated in words shall govern.

The Bidder acknowledges that the **LUMP SUM AMOUNT includes the amounts for Allowances as listed below.**

The Bidder agrees to perform all the work described in the Base Bid of the Contact Documents for the following lump sum price of

_____ DOLLARS
AND _____ CENTS
 \$ _____

subject to the reductions or additions resulting from price items, all in accordance with the following Schedule of Payment Items.

ALLOWANCES

Allowances (Specification Section 01 21 00) may be used, as authorized and directed by the Engineer, to pay for costs of additional work resulting from the need for allowance items identified below. This work is not shown or specified in the drawings and not covered by another line item in the Bid. This work may be required in the event the Engineer or Owner establish the need for additional work deemed to be necessary for the completion of this contract. This cash allowance amount is to be included in the Lump Sum Base Bid, but is to be paid to the Contractor only if authorized as provided in this paragraph.

	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
1	Engineering Startup	LS \$	15,000
2	Allowance for Unforeseen Conditions	LS \$	200,000
		\$	215,000

OWNER SELECTED EQUIPMENT/SUPPLIER

All Owner-Selected Equipment/Supplier items shall be bid according to the following:

The product(s) noted as “A” selection for each item of equipment listed in the following Owner-Selected Equipment/Supplier Schedule has been designated by the Owner for use in the Project. Contractor must bid base bid items. Where more than one product is noted as “A”, Bidder must circle the item on which the bid is based. The Bidder may indicate substitute equipment/supplier by writing in a substitute for “B”, and writing in the amount of deduction for the substitute equipment supplier.

The prior naming of substitute equipment/suppliers is based on a belief that the substitute should be able to furnish “equal” equipment/service as that specified, although it may not be the supplier’s standard. Should the write-in substitute be disallowed by the Owner as “not equal” or “not desired”, then the Bidders shall supply the circled “A” item. If no substitute is indicated, the Bidder must supply the circled “A” item. Should Bidder fail to circle one, or circle more than one, the Bid will be deemed by Owner to be based upon the first-listed equipment/supplier, and Bidder, if awarded the Contract, shall provide same.

The Bidder must supply a base bid for the Owner-Selected Equipment/Supplier items. The contract will be awarded based on the base bid. The Bidder may supply a deductive cost from the base bid for one of the products in the schedule below by writing in a substitute. This amount will be deducted from the base bid (after award) if the Owner in its sole discretion determines that the acceptance of the substitute product is in its own best interest. The Owner in its sole discretion may determine any substitute “not desired” and reject said substitute.

For comparable alternate named equipment “B”, the furnished items shall fulfill the function and performance of the item specified and shall be of equal quality to base bid equipment “A”; any modifications required by the furnished alternate equipment to the structure, process, associated equipment, electrical or piping shall be include in the Alternate Bid price, and the completed installation of the item by the Contractor shall incur no additional cost to the Owner, including engineering cost to accommodate alternate supplier.

Additional substitutes will not be considered after receipt of the Bidder’s Proposal.

Design of this project is based upon the manufacturer’s equipment or product noted as “A” item in the schedule. Should a Bidder propose furnishing substitute equipment, the Bidder shall comply with the provisions in Specification Section 01 25 00 – Substitution of Major Equipment Items.

INDICATE THE BASE BID MANUFACTURER UNDER “MANUFACTURER” BELOW BY CIRCLING THE MANUFACTURER USED FOR THE LUMP SUM BASE BID TOTAL.

Item	Specification Section	Description	Manufacturer/Supplier		Amount of Alternate (\$+/-)
1	43 23 40	Horizontal Self-Priming Centrifugal Pumps	A	Gorman Rupp	
			A	Vaughan	
			B		\$
2	46 21 14	Static Screens	A	Parkson Corporation	
			A	Elgin	
			B		\$
3	46 21 14.1	Shaftless Screw Conveyor	A	Parkson Corporation	
			A	Elgin	
			B		\$
4	46 23 23	Vortex Grit Removal Equipment	A	Smith & Loveless	
			B		\$
5	46 43 11	Aeration Basin Equipment	A	Parkson Corporation	
6	46 43 12	Aeration Basin Liners	A	ATARFIL USA	
			A	Solmax	
			B		\$
7	46 43 21	Circular Clarifiers	A	ClearStream	
			A	Ovivo	
			A	WesTech	
			A	Envirodyne	
			B		\$
8	46 43 81		A	Enduro	

			A	NEFCO	
		FRP Density Current Baffle	A	Warminster Fiberglass	
			A	EDGENG	
			B		\$

ARTICLE 4—TIME OF COMPLETION

4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

4.02 Bidder agrees that the Work will be substantially complete on or before ~~[Bidder inserts date]~~, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before ~~[Bidder inserts date]~~.

Deleted

4.03 Bidder agrees that the Work will be substantially complete within ~~[Bidder inserts number]~~ calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within ~~[Bidder inserts number]~~ calendar days after the date when the Contract Times commence to run.

Deleted

4.04 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 5—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

5.01 *Bid Acceptance Period*

A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS

6.01 *Bidder’s Representations*

- A. In submitting this Bid, Bidder represents the following:
 1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work, **including all American Iron and Steel requirements.**
 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
 6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder’s (Contractor’s) safety precautions and programs.
 7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
 8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
 9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

SIGNATURE PAGE TO FOLLOW

BIDDER hereby submits this Bid as set forth above:

Bidder:

(typed or printed name of organization)

By:

(individual's signature)

Name:

(typed or printed)

Title:

(typed or printed)

Date:

(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest:

(individual's signature)

Name:

(typed or printed)

Title:

(typed or printed)

Date:

(typed or printed)

Address for giving notices:

Bidder's Contact:

Name:

(typed or printed)

Title:

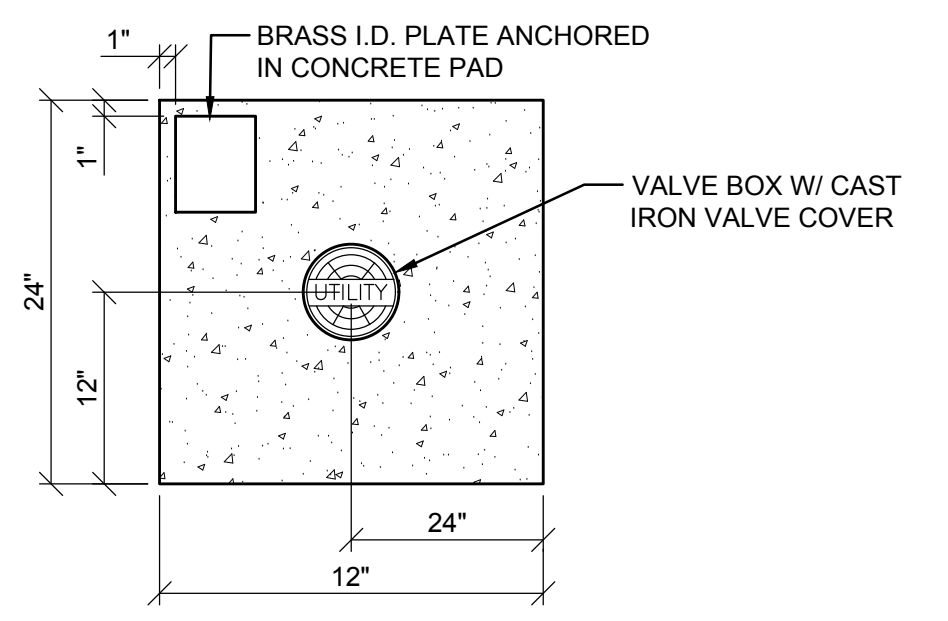
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Phone:

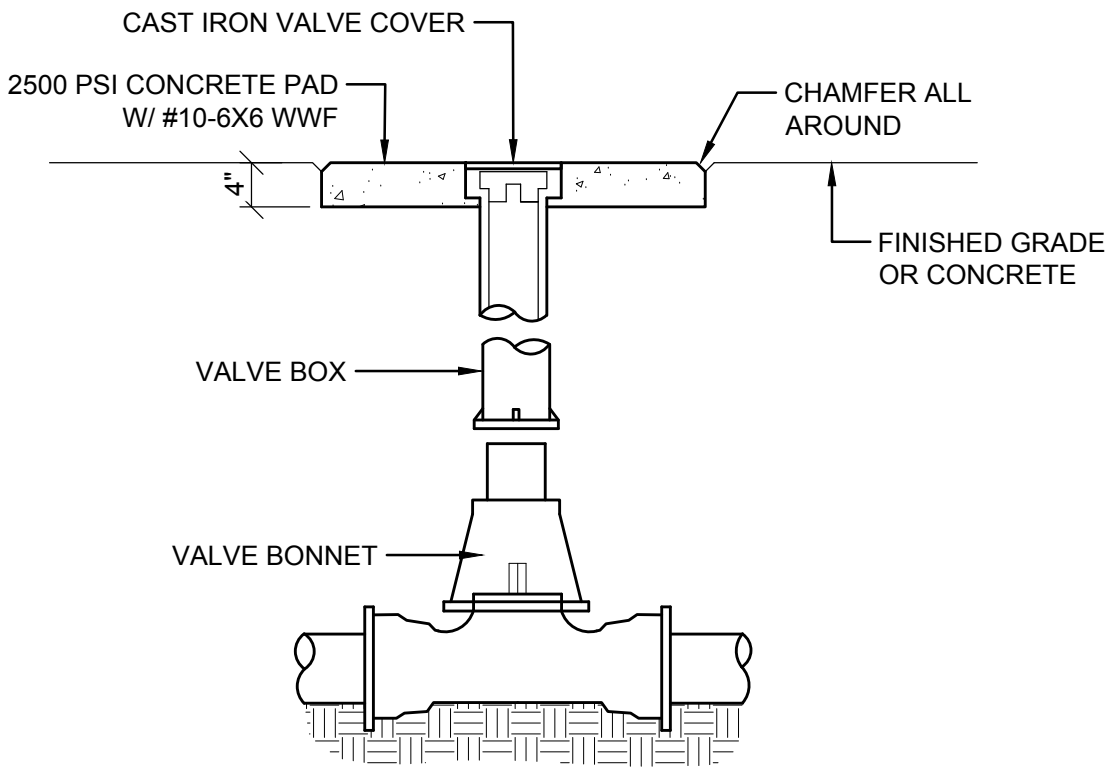
Email:

Address:

Bidder's Contractor License No.: (if applicable) _____

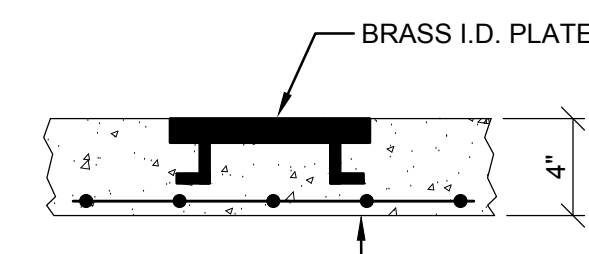


PLAN



ELEVATION

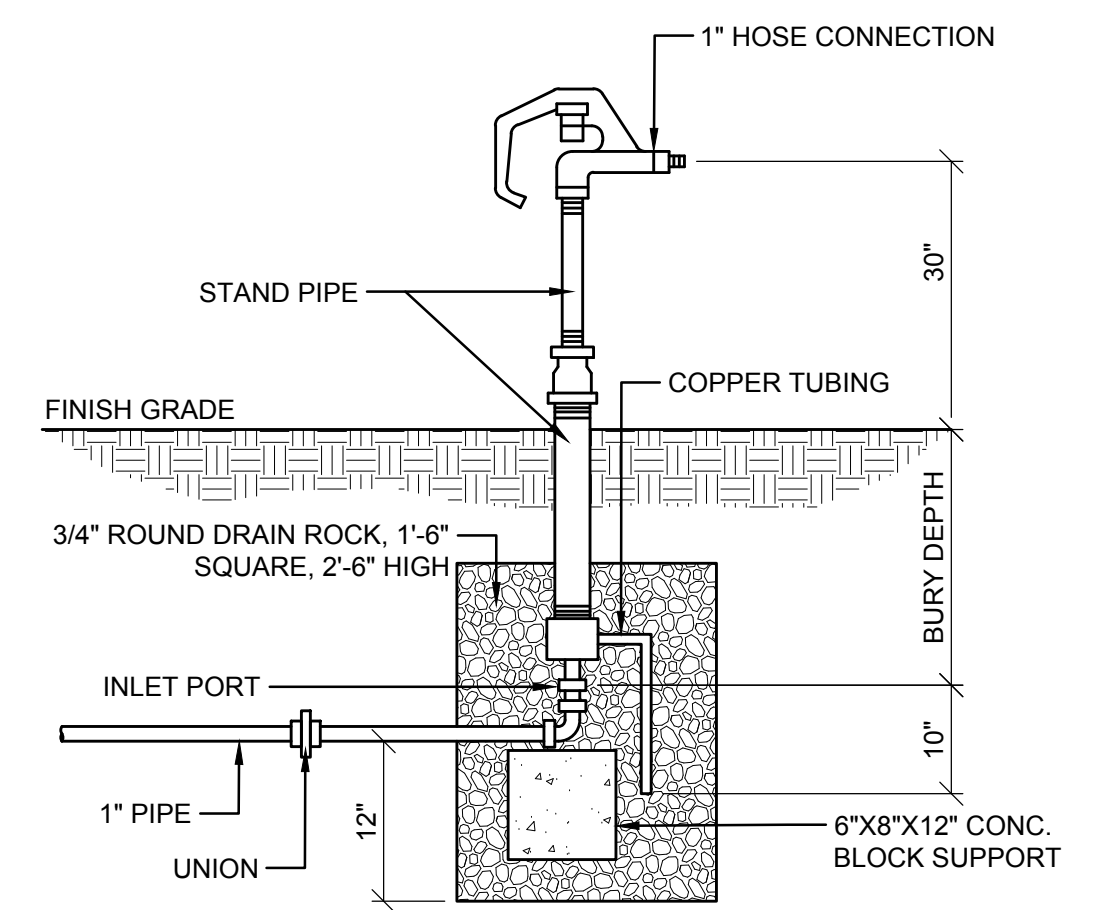
CLIENT NAME (PROJECT NAME)	
STATION	XXX+00
SERVICE	XXXX
SIZE	XX"
TYPE	VALVE TYPE
MFR	XXXX
OPEN	CCW
TURNS	XXXX
NORMAL POSITION	OPEN
PIPE SIZE	XX"
LATITUDE	XX°XX'XX"
LONGITUDE	XX°XX'XX"



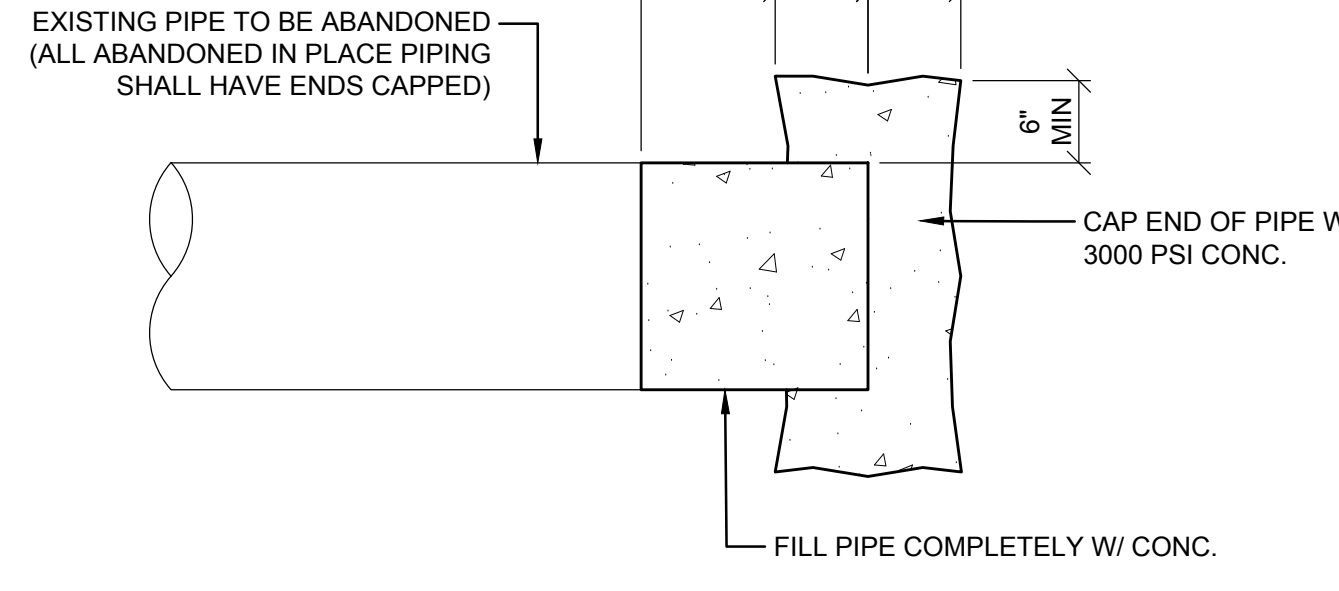
BRASS I.D. PLATE SECTION

BRASS I.D. PLATE DETAILS

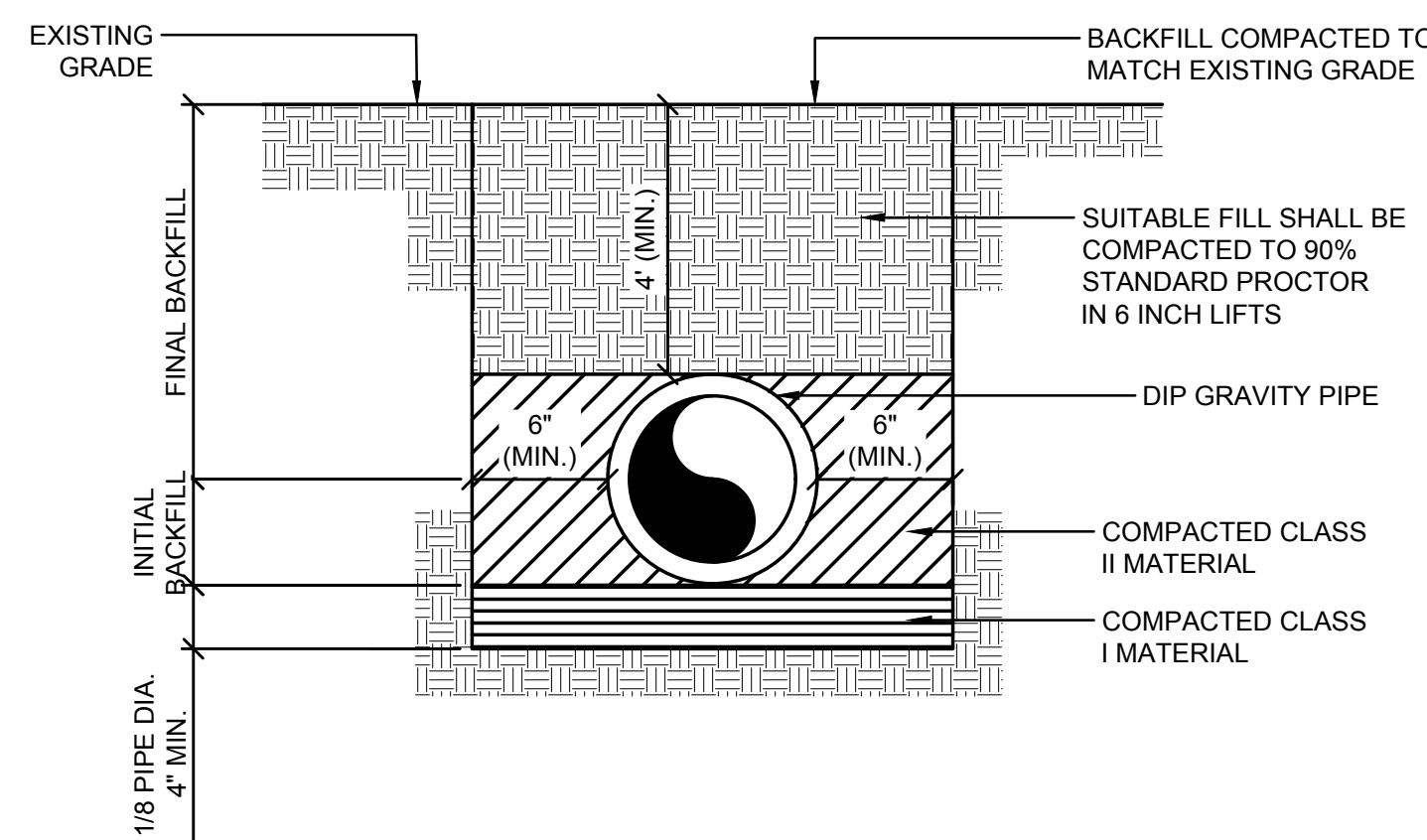
E VALVE AND VALVE BOX
C-902 SCALE: NOT TO SCALE



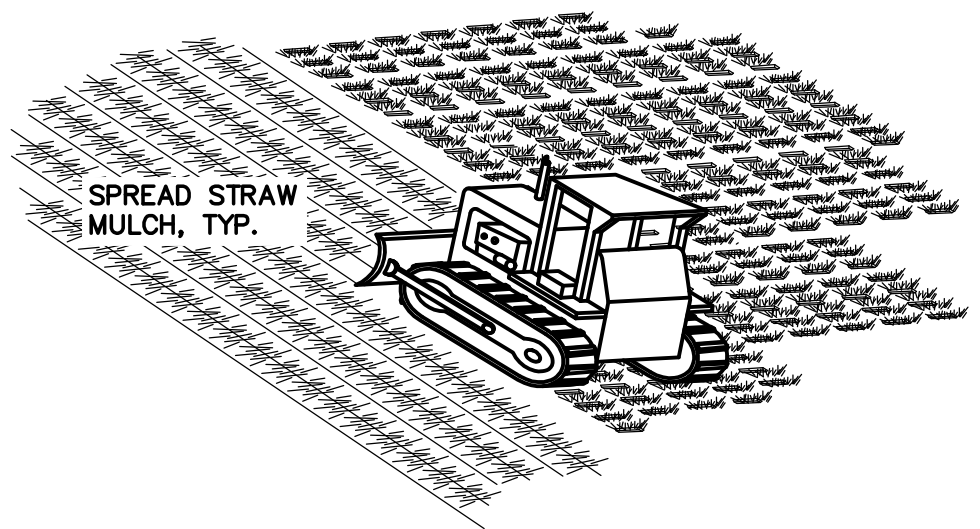
F FROST PROOF YARD HYDRANT
C-902 SCALE: NOT TO SCALE



X PIPE CAP
C-901 SCALE: NOT TO SCALE



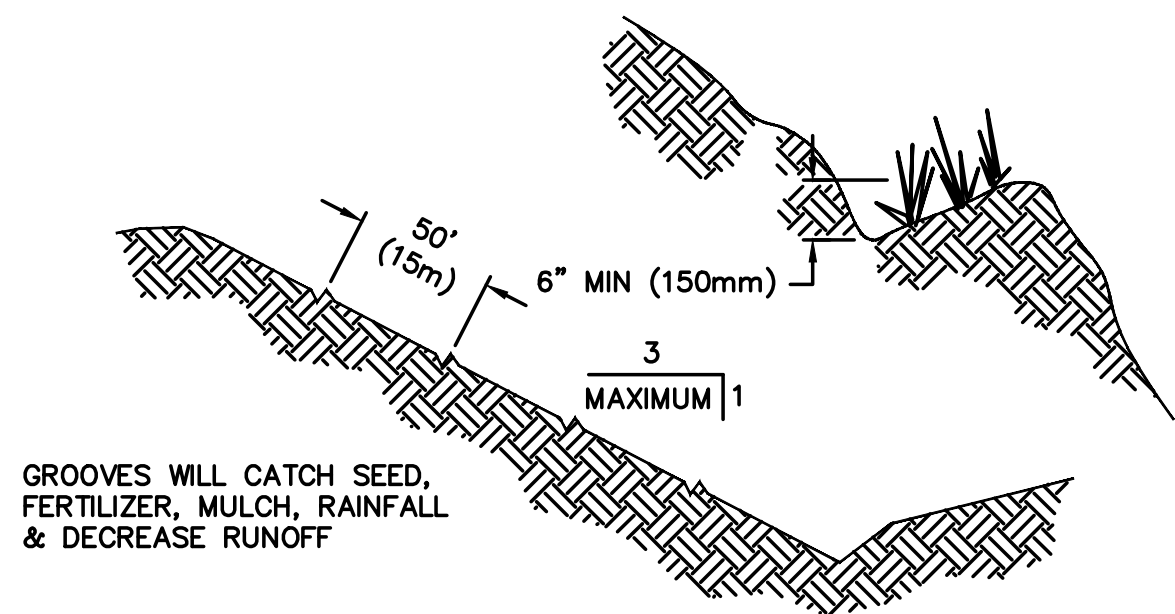
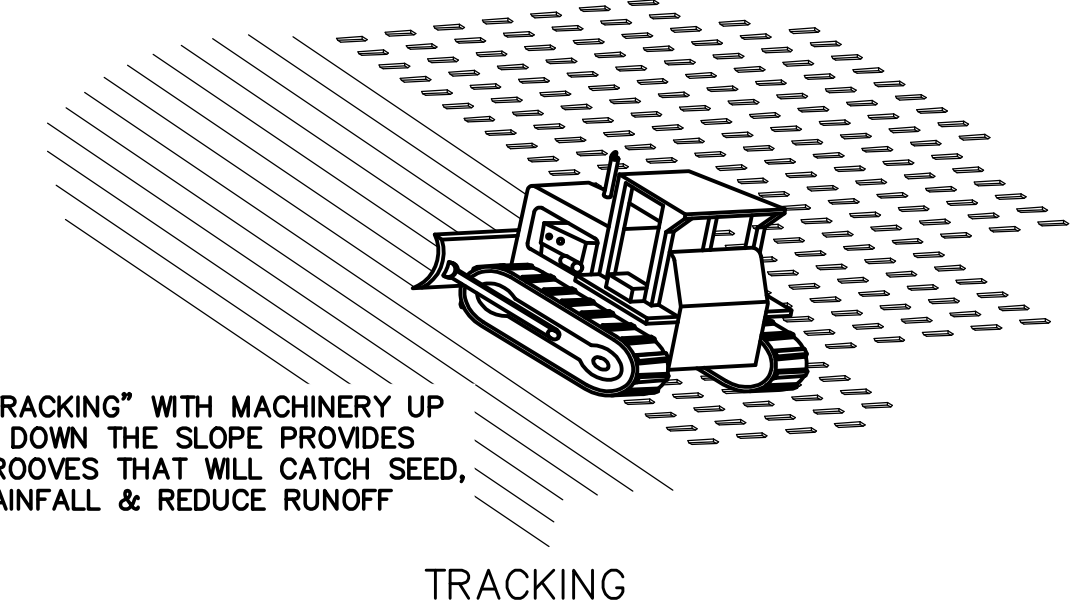
G EMBEDMENT FOR DUCTILE IRON GRAVITY PIPE-TYPE IV
C-902 SCALE: NOT TO SCALE



"TRACKING" WITH MACHINERY ON SANDY SOIL PROVIDES ROUGHENING WITHOUT UNDUE COMPACTION
STRAW ANCHORING
N.T.S.

- NOTES:
1. ROUGHEN SLOPE WITH BULLDOZER.
 2. BROADCAST SEED AND FERTILIZER.
 3. SPREAD STRAW MULCH 3" (76mm) THICK. (1 1/2 TO 2 TONS PER ACRE.)
 4. PUNCH STRAW MULCH INTO SLOPE BY RUNNING BULLDOZER UP AND DOWN SLOPE.

STRAW ANCHORING
N.T.S.

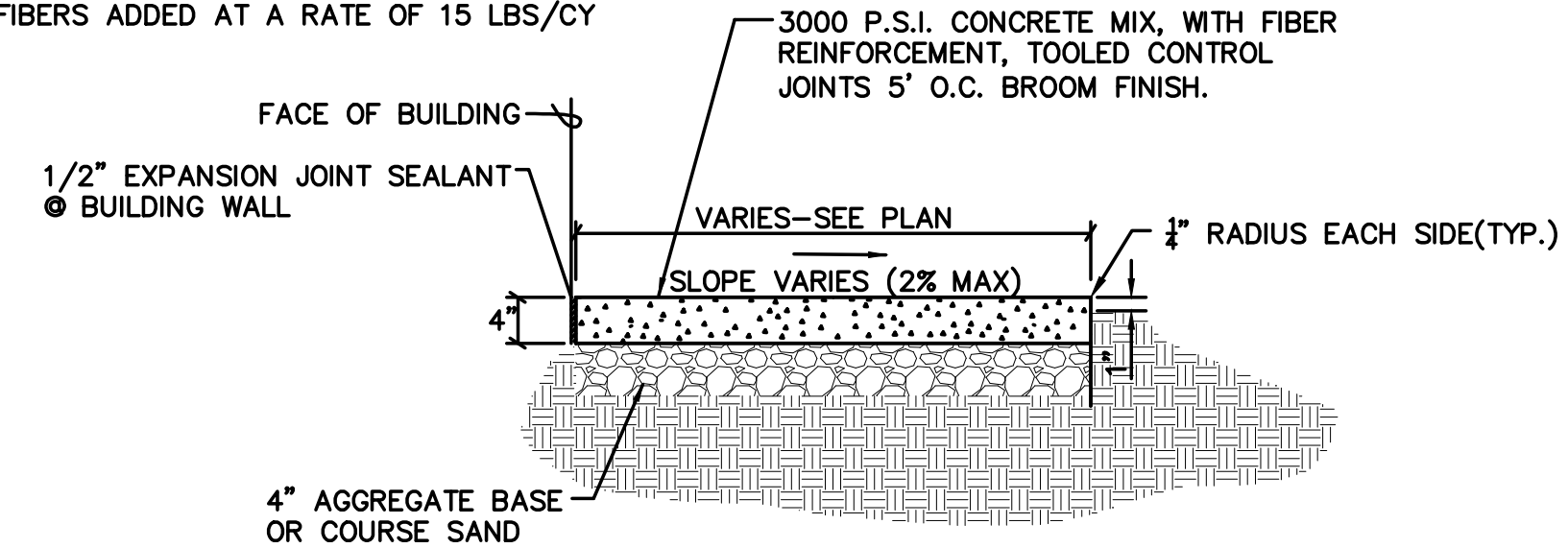


GROOVES WILL CATCH SEED, FERTILIZER, MULCH, RAINFALL & DECREASE RUNOFF

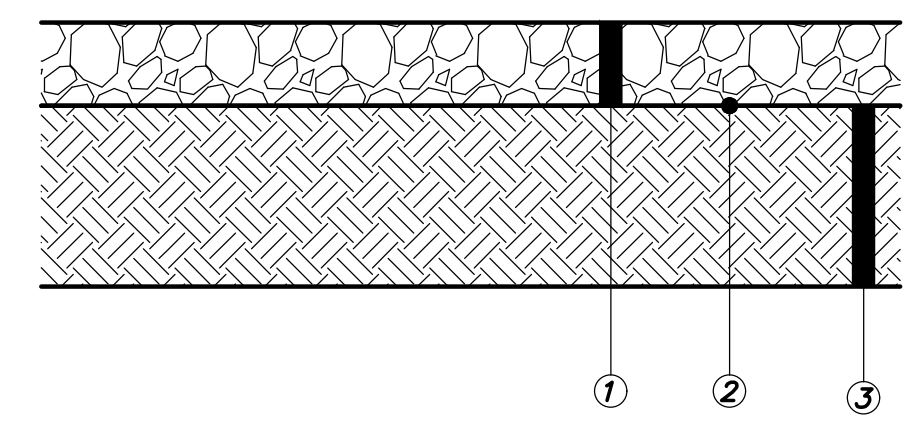
CONTOUR FURROWS

SURFACE ROUGHENING
N.T.S.

NOTE: FIBER REINFORCEMENT TO BE WITH 100% VIRGIN POLYPROPYLENE FIBRILLATED FIBERS ADDED AT A RATE OF 15 LBS/CY



SIDEWALK DETAIL
N.T.S.



GRAVEL PAVING SECTION

1. 8.0" MIN. CRUSHED AGGREGATE BASE COURSE, ALDOT SECTION 825, TYPE B (COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY).
2. WOVEN GEO FABRIC
3. SUBGRADE COMPACTED TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SEE GEOTECHNICAL REPORT).

Temporary Seeding	
September through December	
Annual Ryegrass	25 pounds per acre
Kentuck 31 Fescue	30 pounds per acre
Reseeding Crimson Clover	10 pounds per acre
January through April 15	
Kentuck 31 Fescue	30 pounds per acre
Reseeding Crimson Clover	30 pounds per acre
Annual Ryegrass	15 pounds per acre
April 16 through August	
Brown Top Millet	30 pounds per acre
Kentuck 31 Fescue	30 pounds per acre
Hulled Bermuda Grass	10 pounds per acre



11 North Water Street
Suite 15250
Mobile, AL 36602
T 251.460.4006

ISSUE	DATE
60% SUBMITTAL	01.24.2023
90% SUBMITTAL	05.31.2023
100% SUBMITTAL	06.30.2023
FINAL	10.16.2023

PROJECT MANAGER:	ENGINEER:	DESIGNER:	DRAWN BY:
DK	DT	DT/TH	FN

WASTEWATER TREATMENT
PLANT UPGRADES
FOR THE CITY OF ROBERTSDALE, ALABAMA

GMC Project # CMOB210098A

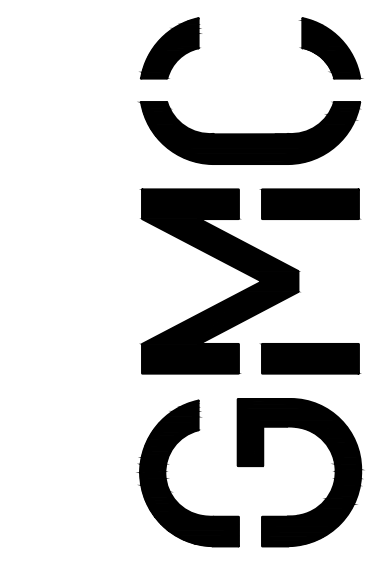


CIVIL DETAILS

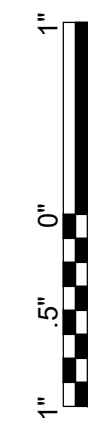
C-902

DRAWING FILE: T:\1\Projects\AL\Robertsdale, City of\CMOB210098A - WWTP Improvements\DWG\PLANS\01 BID DRAWINGS\07 PROCESS\02 VALVE SCHEDULE.rwg
PLOTTED: Nov 08, 2023 - 3:54pm

VALVE SCHEDULE						
TAG	SERVICE	TYPE	SIZE (INCHES)	CONNECTION	OPERATOR	NOTES
V1011	RWW	Plug	10	FL	Handwheel	
V1012	D	Ball	3	PVC	Lever	
V1021	RWW	Plug	10	FL	Handwheel	
V1022	D	Ball	3	PVC	Lever	
V1031	RWW	Plug	10	FL	Handwheel	
V1032	D	Ball	3	PVC	Lever	
V1041	RWW	Plug	10	FL	Handwheel	
V1042	D	Ball	3	PVC	Lever	
V1120	RWW	Plug	16	FL	Handwheel	
EV1110	VAC	Solenoid	1/2	THD	Electric	By Vendor
V1111	PSW	Ball	1 1/2	THD	Lever	By Vendor
V1112	PSW	Pressure Regulating	1 1/2	THD	N/A	By Vendor
V1113	PSW	Ball	1/4	THD	Lever	By Vendor, Pressure Gage PI 1111
EV1114	PSW	Solenoid	1 1/2	THD	Electric	By Vendor
V1115	PSW	Ball	1/4	THD	Lever	By Vendor, Pressure Gage PI 1112
PV1116	GR	Pinch	4	FL	Pneumatic	By Vendor
V1117	D	Ball	2	FL	Lever	By Vendor
V3011	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3012	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3013	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3014	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3015	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3016	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3017	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3018	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3019	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3021	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3022	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3023	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3024	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3025	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3026	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3027	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3028	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3029	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3031	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3032	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3033	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3034	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3035	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3036	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3037	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3038	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V3039	AIR	Butterfly	4	FL	Lever	By Aeration Basin Equipment Supplier
V5001	SL	Plug	6	FL	Handwheel	
V5002	SL	Plug	6	FL	Handwheel	
V5003	SL	Plug	6	FL	Handwheel	
V5004	SL	Plug	12	FL	Handwheel	
V5005	SL	Plug	12	FL	Handwheel	
V5006	SL	Ball	2	THD	Lever	Air Release Valve V5007
V5007	SL	Air Release	2	THD	N/A	
V5008	WAS	Plug	8	FL	Handwheel	
V5009	RAS	Plug	12	FL	Handwheel	
V5011	SL	Ball	1/4	THD	Lever	Pressure Gauge PI5010
V5012	SL	Check	6	FL	N/A	
V5013	SL	Plug	6	FL	Handwheel	
V5021	SL	Ball	1/4	THD	Lever	Pressure Gauge PI5020
V5022	SL	Check	6	FL	N/A	
V5023	SL	Plug	6	FL	Handwheel	
V5031	SL	Ball	1/4	THD	Lever	Pressure Gauge PI5030
V5032	SL	Check	6	FL	N/A	
V5033	SL	Plug	6	FL	Handwheel	



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DRAWN BY: <td>FN</td>	FN

WASTEWATER TREATMENT
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VALVE
SCHEDULE

D-921