

01/26/2026

**ADDENDUM NO. 3  
TO CONTRACT DOCUMENT PLANS SPECIFICATIONS**

**PROJECT: MWA METRO PARK WEST LANDFILL  
P-67 CELL E LINER, LEACHATE LAGOON, AND SED POND  
TO: PROSPECTIVE BIDDERS AND OTHER INTERESTED PARTIES**

The Contract Documents and Specifications, including the Contract Drawings, are hereby modified by the following items:

**CHANGES TO DRAWINGS**

AD-1 Item 1 REISSUANCE SHEETS C101, C105, C106, C506, C508

- A. REPLACE Addendum #2 sheets with attached set Addendum #3 for sheets C101, C105, C106, C506 and C508. Updates are clouded.

**CHANGES TO SPECIFICATIONS**

AD-1 Item 2 SECTION 00 41 00 – BID FORM

REPLACE the specification section 00 41 00 – BID FORM with the attached 00 41 00 as part of this Addendum No. 3.

AD-1 Item 3 SECTION 01 29 01 PAYMENT PROCEDURES

REPLACE the specification section 01 29 01 – PAYMENT PROCEDURES with the attached 00 41 00 as part of this Addendum No. 3.

**CLARIFICATIONS & INFORMATION**

AD-1 Item 4 PROSPECTIVE BIDDER QUESTIONS AND RESPONSES NOT INCLUDED IN ABOVE ADDENDUM ITEMS:

**Question 1:** *Will the 60 mil HDPE installed in the leachate lagoon be terminated in an anchor trench around the top of the lagoon? Please provide a detail of proposed anchor trench if so.*

**Answer 1:** See Detail 2 on Sheet C502 of the Addendum #2 drawings. Anchor trench is consistent with the Cell E anchor trench but the Leachate Pond anchor trench does not have a drainage layer or geotextile.

**Question 2:** *Pre-bid notes released as part of addendum 1 include a note that more detail will be provided on scrim termination along the West tie-in. Is this detail available for review?*

**Answer 2:** See Detail 3 on Sheet C502 of the Addendum #2 drawings.

**Question 3:** *Detail 5, sheet C506 outlines nylon rope requirements for sandbag ballast placed on the slopes. Is nylon rope required for bags placed on cell floor to prevent movement of sandbags by adverse weather?*

**Answer 3:** Install ¾" UV resistant Nylon rope for slopes and floor of Cell E. See revised Detail 5 and on Sheet C506.

**Question 4:** *Manufacturer and Installer warranties do not cover displacement of rain cover material or sandbags due to localized conditions. Manufacturers and Installers are not design engineers and can only warrant that the ballast system is produced and installed per plans and specifications. Please confirm standard warranties are acceptable.*

**Answer 4:** Per Specification 31 32 20, 1.6, D. "Warranties shall provide for complete repair/replacement at no additional cost to the Owner for the warranty period." Warranty period is 2 years from installation.

**Question 5:** *Leachate Lagoon Loadout, how is it intended to be pumped out of the lagoon? Is the pump direct rolled down the liner? Does it have a riser pipe? Does it require a headwall?*

**Answer 5:** Leachate loadout pumped will be connected to a 4" HDPE pipe and housed in a 24" SDR-11 HDPE extraction riser. See sheet C508 for further clarification.

**Question 6:** *Can additional details be provided for the Z wall hand rail? Diameter of pipe? Thickness of pipe? Finish on pipe?*

**Answer 6:** Handrail has been replaced with a concrete wall. See Sheet C510 for Addendum #2 for dimensions.

**Question 7:** *Please verify intended wall thickness for the Z wall and footing*

**Answer 7:** Z-wall thickness is 1'-4" and footing thickness is 1'-4".

**Question 8:** *Please verify the materials and finish on the leachate loadout support frame, and the desired footings.*

**Answer 8:** Contractor to submit a proposed fabricated steel loadout tree for the Leachate Loadout.

**Question 9:** *Where is the seepage drain shown for the leachate lagoon?*

**Answer 9:** Seepage trench would be installed as a method of control groundwater if a seep is encountered. Reference 31 23 33, 3.3, B.

**Question 10:** *Bid item 113 and 114 both show to include Leachate Control System with pump and loadout as well as seepage drain. Please clarify. Bid item 113 states to include 1000 LF of seepage drain. C101 shows approximately 1500 LF. How much should be included and in which item?*

**Answer 10:** Contractor to include 1000 LF of seepage drain in Bid Item 113, this is in addition to the GWT installation for if seeps are discovered to control groundwater.

**Question 11:** *Bid item 122 calls for a 24 CMP culvert to be included. The CMP at the Z-wall is 18" on the plans. Please confirm sizing.*

**Answer 11:** Culvert 7 for the Z-wall is an 18" CMP. See revised Bid Item Descriptions as part of Addendum #3.

**Question 12:** *Please provide details on the groundwater cleanout riser.*

**Answer 12:** Groundwater cleanout riser is a solid wall 8" PVC (Sch 80) with air tight threaded PVC screw on cap that is terminated a minimum 2' above ground surface at the location identified on Sheet C101.

**Question 13:** *Does qualification for subcontractors need to be submitted at time of bid submission?*

**Answer 13:** General qualifications of expected subcontractors shall be submitted at time of bid. If a general contractor is selected and uses a different subcontractor, qualifications for the subcontractor shall be submitted for review.

**Question 14:** *Does the z-wall footing need to be below frost depth? Currently bottom of the footing is 2'4" below top of paving.*

**Answer 14:** Z-wall footing installed per Sheet C105 and C510.

**Question 15:** *Sheet C508, detail 3. You call out the pipe as 2" x 4" DC but have all the fittings (Valves, SS, Camlock as 4")*

**Answer 15:** See revised Detail 3 on Sheet C508. There shall be a 2" SS Female Camlock, a FNPT SS Ball valves and 2"X4" dual containment end termination fitting for each side of the Leachate Forcemain Cleanout.

**Question 16:** *Sheet 508, detail 2, Pipe coming from the Pond to the Loadout Area is called out as 4". Question #1 from add. #2 changed it to 2" x 4"?*

**Answer 16:** Piping within the lined area of the Leachate Pond for supplying the Leachate Loadout shall be 4" SDR 11 HDPE piping per Detail 2 on Sheet C508.

**Question 17:** *Sheet C505 detail 1, A 2" Check Valve and Ball Valve called out on the plan view but not in the elevation view, are these needed? Do we place them in a MH since they are on a DC line? Size of MH?*

**Answer 17:** Manhole is 24" HDPE per Detail 1 Sheet C505 of Addendum #2 drawings.

**Question 18:** *Question #49 was asked in regards to the type of material the hardware (Back Ring, Bolts/Nuts/Washers) and gasket need to be. Answer said to reference detail 1 on sheet C504, the only thing called out is the SS bolts.*

**Answer 18:** Utilize SS bolts/nuts/washers and neoprene gasket for leachate extraction riser.

**Question 19:** *Question 14 had asked for the elevations for the ground water control trench per the detail on sheet C506. The answer said to see revised detail, but we need the invert elevations for the pipe. The east - west GWT lateral passes beneath the leachate sump risers and that is a low point, meaning the GWT at the SW corner of the cell has to be deeper than the 6' called out for in the plans or the East-West Lateral won't drain properly. Can you please take a look at that and get back to us.*

**Answer 19:** See revised Sheet C101 issued with Addendum #3 for Groundwater Trench Header Elevations.

**Question 20:** *It looks like we'll get into existing fence on the west side of the landfill as part of this road, will the replacement of the fence be paid under item 124, or is it incidental to the items A-127/128?*

**Answer 20:** Fence removal on the west side of Cell E is incidental to Bid Item 124. Fence removal on the west side of the North Area is incidental to Alternate Bid Item 127.

**Question 21:** *Detail 3, Sheet C101 West Liner Connection has a needle punched GCL under the 60-mil HDPE geomembrane. In the notes it says "GCL to utilize one full 16-foot panel." Is there a spec for the GCL? Does this GCL go the entire length of the western liner connection?*

**Answer 21:** GCL to meeting the requirements of GRI GCL3 for non-reinforced GCL – GT related. GCL to extend entire length of west liner tie-in of Cell E to East half of Cell A, Cell C and Cell D transitions.

**Question 22:** *What material will be utilized for the letdown in the soil stockpile?*

**Answer 22:** Contractor to line the letdown with turf reinforcement matting Landlok 435 or equal. Contractor to estimate 300 square yards of TRM.

**Clarification 1:** Contractor shall provide Owner continuous access for daily landfill operations. If Alternate Bid Item 127/128 is selected, Contractor will construct the Northwest Perimeter Road first to allow landfill operations access to the active face during Cell E construction. If Alternate Bid Item 127/128 is not selected, Contractor to construct Bid Item 123 - East Perimeter Road first to provide access for landfill operations during Cell E construction.

ALL ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

THIS ADDENDUM IS MADE PART OF THE CONTRACT DOCUMENTS AND SHALL BE NOTED ON THE BID FORM.

HDR Engineering, Inc.



Katie Kinley, P.E.

Certified copy provided to Owner on January 26, 2026

**SECTION 00 41 00**  
**BID FORM**  
**METRO WASTE AUTHORITY**  
**PROJECT P-67 - CELL E LINER, LEACHATE LAGOON, AND SED POND**  
**ADDENDUM #3**

**ARTICLE 1 – BID RECIPIENT**

- 1.01 This Bid is submitted to:  
***Metro Waste Authority***  
300 East Locust Street, Suite 100  
Des Moines, IA 50309
- 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 – BIDDER’S ACKNOWLEDGEMENTS**

- 2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. 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.
- 2.02 BIDDER will sign and deliver the required number of counterparts of the AGREEMENT with the Bonds and other documents required by the Bidding Requirements within 15 days after the date of OWNER's Notice of Award.

**ARTICLE 3 – BIDDER’S REPRESENTATIONS**

- 3.01 In submitting this Bid, Bidder represents that:
- A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

- C. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- D. 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 any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- E. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- F. 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.
- G. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- H. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- I. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- J. Bidder has examined and carefully prepared the proposal from the Bidding Documents and has checked the same in detail before submitting this Bid.
- K. Bidder will submit written evidence of its authority to do business in the state where the Project is located not later than the date of its execution of the Contract.
- L. Bidder agrees to waive any claim it has or may have against the Owner, the Engineer and the respective employees, arising out of or in connection with the administration, evaluation or recommendation of the Bid.

## **ARTICLE 4 – BIDDER'S CERTIFICATION**

### **4.01 Bidder certifies that:**

- A. 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;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
  - 1. "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;

2. “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;
3. “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; and
4. “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.

## ARTICLE 5 – BASIS OF BID ADDENDUM #3

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
101	Mobilization, demobilization, and all work not included in Bid Item Nos. 102 through 125	1	LS		
102	Clearing and Grubbing, Culvert Removal and Salvage, drain tile management	1	LS		
103	Excavate and Load Soils from Cell, Runout Area, North Cell Access Road, South Perimeter Road, Leachate Pond, and Stormwater Pond	505,000	CY		
104	Haul, place, and Compact Structural Fill in Cell, Runout Area, North Cell Access Road, South Perimeter Road, Leachate Pond, and Stormwater Pond	15,000	CY		
105	Excavate and Load Soils from North Perimeter Road & Convenience Area	33,500	CY		
106	North Perimeter Road & Convenience Area Structural fill	1,500	CY		
107	Excavate and Load Soils from East Perimeter Road	650	CY		
108	Haul, place, and Compact Structural Fill for East Perimeter Road	25,000	CY		
109	Remove and Replace Unsuitable Soils Below Base Grade (Cell E Liner System)	5,000	CY		
110	Haul, and Place Soil at Owner Operation’s Stockpile as Daily Cover	50,000	CY		
111	Excavate, Haul, and Place Soil at Owner Designated Stockpile	405,000	CY		
112	24" CMP 16 Gauge Culverts (2) with drop structures (1) & end sections (3), Riprap	500	LF		
113	Construct Cell E Groundwater Control System, Liner, Leachate Collection System, sump & loadout, and Raincover	1	LS		
114	Construct Leachate Pond, Liner, Loadout, sump and pump	1	LS		

115	Construct Leachate forcemain to leachate pond	1	LS		
116	Underground Electrical Extension - South of Cell	1	LS		
117	Construct Stormwater Pond- grading, outfall, topsoil, riprap	1	LS		
118	Terraces and stormwater control system	1	LS		
119	Construct South Perimeter Road	1	LS		
120	Tipping Pad & North Access Road with Culverts	1	LS		
121	Citizen's Campus & North Perimeter Road-aggregate surfacing	1	LS		
122	Citizen's Campus Z-wall with pavement	1	LS		
123	Construct East Perimeter Road	1	LS		
124	Chain Link Fence - Salvage and Install New	5,700	LF		
125	Seeding All Areas (Install Owner supplied Topsoil. Install Seed, Fertilize, and Mulch)	20	AC		
126	Allowance (2.5% of Total Combined Price of Bid Items 101 – 125)	1	LS		

A-127	Haul, Place, and compact structural fill at Northwest Perimeter Road	11,500	CY		
A-128	Northwest Perimeter Road – aggregate surfacing	1	LS		
A-129	Additional Seeding and Fertilizing (without topsoiling)	25	AC		
A-130	Alternate South Stockpile – excavate, haul and place soil at Owner designated Stockpile	150,000	CY		
A-131	Alternate for supply and installation of leachate pond aerators	2	EA		

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.



**Total Base Bid Price for Bid Items 101 through 126**  
**(Total of Lump Sum and Unit Price Bids = Total Bid Price)**

\$

(numerals)

(words)

**Total Bid Price with Bid Alternate Items A127 through A131, with**  
**150,000-cy less in bid item 111**  
**(Total of Lump Sum and Unit Price Bids and Alternate Bid Items =**  
**Total Alternate Bid Price)**

\$

(numerals)

(words)

- 5.02 If the Contract is to be awarded, it will be awarded to the lowest responsive Bidder for the Work selected by Owner (Items 101-126, with consideration of the alternate bid items, Items A127 – A131). Owner will select the Work that will be in the best interest of the Owner.
- 5.03 Contractor computed quantity for bulk excavation is not guaranteed. Daily operational activities may result in varying quantities of soil to be excavated. Contractor to provide alternate pricing for various quantities that may be encountered. Owner will confirm quantity of soil excavation in addition to base bid with Contractor during Contract Negotiations. Total amount will be the unit price multiplied by the highest quantity of the range. Contractor to provide both unit price and total amount for the highest quantity of the range for all line items.
- 5.04 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.
- 5.05 Bidder accepts the provisions of the Agreement as to liquidated damages.

## **ARTICLE 6 – ATTACHMENTS TO THIS BID**

- 6.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security;
  - B. List of Project References;
  - C. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;
  - D. Required Bidder Qualification Statement with supporting data.

## **ARTICLE 7 – DEFINED TERMS**

- 7.01 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 8 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

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By:

*[Signature]*

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*[Printed name]*

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*(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest:

*[Signature]*

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*[Printed name]*

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Title:

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Submittal Date:

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Address for giving notices:

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Telephone Number:

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Fax Number:

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Contact Name and e-mail address:

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State Contractor's License

No.:

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*(where applicable)*

**END OF BID FORM**

**SECTION 01 29 01**  
**PAYMENT PROCEDURES**  
**ADDENDUM #3**

**PART 1 - GENERAL**

**1.1 SUMMARY**

A. This Section Includes:

1. Administrative and procedural requirements necessary to prepare and process Applications for Payment.

**1.2 SCHEDULE OF VALUES**

A. For lump sum contracts, furnish a statement allocating portions of the Contract Sum to various portions of the Work which will be used as the basis for reviewing Applications for Payment.

1. Submit preliminary Schedule of Values utilizing the template format and work breakdown provided as an attachment to this Section within 10 days after the effective date of the Agreement.
2. Before submittal of first progress payment, make corrections and adjustments as necessary to obtain an acceptable Schedule of Values and resubmit to the Engineer.
  - a. No progress payment requests will be processed until the Schedule of Values is accepted by the Engineer.

B. Format and Content:

1. Use the form provided and supplement as necessary using the Project Manual table of contents as a guide to establish additional line items for the Schedule of Values. Provide at least one line item for each Specification Section.
2. Include the following project identification on the Schedule of Values:
  - a. Project name, location, and Owner contract/project number.
  - b. Name of Engineer.
  - c. Engineer's project number.
  - d. Contractor's name and address.
  - e. Date of submittal.
3. Arrange the Schedule of Values for the lump sum Bid Item No. 1 (or, alternatively, the Bid Item No. fully executed) per Specification Section 00 80 00, with the following subdivisions, description of work and dollar values for each:
  - a. Subcontractor work.
  - b. Manufacturer or fabricator.
  - c. Supplier.
  - d. Contractor work.
4. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports.
5. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
6. Provide a separate line item in the Schedule of Values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.
7. Each item in the Schedule of Values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.
  - a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the Schedule of Values or distributed as general overhead expense at Contractor's option.

### 1.3 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as recommended by the Engineer and approved by Owner.
- B. The date for each progress payment is on or about the first of each month. The period covered by each Application for Payment starts on the day following the end of the preceding period and ends 10 days before the date for each progress payment.
- C. Requests for progress payments shall be submitted at least 10 days before the date established for each progress payment, but not more often than once a month. Use forms provided in Contract Documents for Applications for Payment. Sample copy of the Application for Payment and Continuation Sheet is included in Section 01 29 01A.
- D. Application Preparation Procedures:
  - 1. When requested by the Contractor, the Engineer will determine the estimated quantities and classifications of Unit Price Work performed.
    - a. Preliminary determinations will be reviewed with the Contractor before submitting Application for Payment.
    - b. Contractor will complete the Application for Payment based on Engineer's decision on actual quantities and classifications.
    - c. Engineer will submit copies of Application for Payment to Contractor for certification.
      - 1) Contractor shall submit signed Application for payment to Owner for approval within time frame agreed to at the Preconstruction Conference.
  - 2. For a lump sum price contract, the Contractor shall prepare a preliminary determination for payment based on the approved Schedule of Values and review with Engineer before completing Application for Payment.
    - a. Payment for lump sum bid items shall be in the amount of scheduled values of each of the aggregate components comprising the lump sum items multiplied by the respective percent completion estimate.
  - 3. If payment is requested for materials and equipment not incorporated in the Work, then the following shall be submitted with the Application for Payment:
    - a. Evidence that materials and equipment are suitably stored at the site or at another location agreed to in writing.
    - b. A bill of sale, invoice, or other documentation warranting that the materials and equipment are free and clear of all liens.
    - c. Evidence that the materials and equipment are covered by property insurance.
  - 4. Complete every entry on form. Execute by a person authorized to sign legal documents on behalf of Contractor.
- E. With each Application for Payment, submit the Following Documents:
  - 1. Waivers of liens from subcontractors and suppliers for the construction period covered by the previous application.
    - a. Submit partial waivers on each item for amount requested before deduction for retainage on each item.
    - b. When an application shows completion for an item, submit final or full waivers.
    - c. Owner reserves the right to designate which entities involved in the Work shall submit waivers.
    - d. Submit final Application for Payment with or proceeded by final waivers from every entity involved with performance of the Work covered by the application.
    - e. Submit waivers of lien on forms executed in a manner acceptable to Owner.
  - 2. Project schedule updated in accordance with criteria contained in Section 01 11 20 - Job Conditions.

- F. The following administrative actions and submittals shall precede or coincide with submittal of first Application for Payment:
1. List of subcontractors.
  2. Schedule of Values.
  3. Contractor's construction schedule.
  4. Copies of applicable permits.
  5. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
- G. Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
  2. Insurance certificates for products and completed operations where required and proof that taxes, fees and similar obligations were paid.
  3. Updated final statement, accounting for final changes to the Contract Sum.
  4. Consent of Surety to Final Payment.
  5. Final lien waivers as evidence that claims have been settled.
  6. Final liquidated damages settlement statement.
  7. Requirements listed in Section 01 77 01 - Closeout Procedures.

#### **1.4 MEASUREMENT AND PAYMENT**

A. Lump Sum Bid Items General:

1. Measurement of lump sum bid items will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.

B. Lump Sum & Unit Price Items:

1. Bid Item 101: Mobilization, demobilization, and all work not included in Bid Item Nos. 102-125:
  - a. Item shall include all work not included in other bid items needed to complete this project.
  - b. Measurement and payment will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
2. Bid Item 102: Clearing and Grubbing, Culvert Removal and Salvage, drain tile management:
  - a. Measurement shall be by the estimated percent complete of this item
  - b. Included in this item shall be management, extension, and tie-in of any encountered drain tiles.
  - c. Groundwater management is the responsibility of the contractor for the duration of the project.
  - d. Included in this item is removal and salvage of existing culverts in the project area.
  - e. Clearing and grubbing to include stockpiling of cleared vegetation at Owner designated stockpile.
3. Bid Item 103: Excavate and Load Soils from Cell, Runout Area, North Cell Access Road, South Perimeter Road, Leachate Pond, and Stormwater Pond
  - a. Measurement and payment shall be by the cubic yard volume of soil excavated from the Cell E project area, including cell, runout, roads, and full area as measured by survey.

- b. The quantity of bulk excavation shall be paid for at the Unit Price per cubic yard within the project area and design boundaries. Incidental to this item is any temporary stockpiling, and segregation of any topsoil. Incidental to this item is any clearing and grubbing. No additional payment shall be made for excavation made beyond the design grades. No allowances for shrink/swell in this project for pay items.
- 4. Bid Item 104: Haul, place, and Compact Structural Fill in Cell, Runout Area, North Cell Access Road, South Perimeter Road, Leachate Pond, and Stormwater Pond
  - a. Measurement and payment shall be by the cubic yard volume of soil placed as structural fill in the project area as measured by survey instrument. No allowances for shrink/swell in this project for pay items.
  - b. The quantity of structural fill shall be paid for at the Unit Price per cubic yard placed as structural fill to the design grades as shown on the Drawings, and per the project specifications. Item includes structural fill to the bottom of clay in the cell, road fill, perimeter fill, and tipping pad fill, with testing per the specifications. Included in this item is all fill, smooth grading, and shaping of roads and drainageways.
- 5. Bid Item 105: Excavate and Load Soils from North Perimeter Road & Convenience Area
  - a. Measurement and payment shall be by the cubic yard volume of soil excavated from the area per the drawings, as measured by survey.
  - b. The quantity of bulk excavation shall be paid for at the Unit Price per cubic yard within the project area and design boundaries. Incidental to this item is any temporary stockpiling, and segregation of any topsoil. Incidental to this item is any clearing and grubbing. No additional payment shall be made for excavation made beyond the design grades. No allowances for shrink/swell in this project for pay items.
- 6. Bid Item 106: North Perimeter Road & Convenience Area Structural fill
  - a. Measurement and payment shall be by the cubic yard volume of soil placed as structural fill in the project area as measured by survey instrument. No allowances for shrink/swell in this project for pay items.
  - b. The quantity of structural fill shall be paid for at the Unit Price per cubic yard placed as structural fill to the design grades as shown on the Drawings, and per the project specifications. Item includes structural fill with testing per the specifications. Included in this item is all fill, smooth grading, and shaping of roads and drainageways.
- 7. Bid Item 107: Excavate and Load Soils from East Perimeter Road
  - a. Measurement and payment shall be by the cubic yard volume of soil excavated from the area per the drawings, as measured by survey.
  - b. The quantity of bulk excavation shall be paid for at the Unit Price per cubic yard within the project area and design boundaries. Incidental to this item is any temporary stockpiling, and segregation of any topsoil. Incidental to this item is any clearing and grubbing. No additional payment shall be made for excavation made beyond the design grades. No allowances for shrink/swell in this project for pay items.
- 8. Bid Item 108: Haul, place, and Compact Structural Fill for East Perimeter Road
  - a. Measurement and payment shall be by the cubic yard volume of soil placed as structural fill in the project area as measured by survey instrument. No allowances for shrink/swell in this project for pay items.
  - b. The quantity of structural fill shall be paid for at the Unit Price per cubic yard placed as structural fill to the design grades as shown on the Drawings, and per the project specifications. Item includes structural fill with testing per the specifications. Included in this item is all fill, smooth grading, and shaping of roads and drainageways.
- 9. Bid Item 109: Remove and Replace Unsuitable Soils Below Base Grade (Cell E Liner System):
  - a. Measurement and payment shall be by the cubic yard volume of unsuitable soil removed and replaced as measured by tape or survey instrument, in coordination and with approval of RPR.

- b. Incidental to this item is testing per the specifications for structural fill placement. Incidental to this item is hauling unsuitable soils to the active face of the landfill for use as daily cover.
- 10. Bid Item 110: Haul and Place Soil at Owner Operation's Stockpile as Daily Cover:
  - a. Measurement and payment shall be by the cubic yard volume of soil excavated from the Cell E project area and placed as measured by survey instrument or verified load count in coordination with the RPR and as approved by the Engineer.
  - b. Total excavation and loading to be paid under Bid Item 103. This bid item measured by survey or load count shall be paid for material placed at the working face stockpile. At end of project, combined totals of Bid Items 104, 106, 108, 110, 111, and 35,000-cy for RCL placement, may exceed total excavation of Bid Item 103. No allowances will be made for soil shrink/swell.
    - 1) Anticipated to be ~300 CY/day, 6 days/week, for 27 weeks.
- 11. Bid Item 111: Haul, and Place Soil at Owner Designated Stockpile
  - a. Measurement and payment shall be by the cubic yard volume of soil excavated from the project areas and placed in the Owner Designated stockpile as measured by survey instrument and verified by final survey.
  - b. Material shall be placed in lifts in accordance with the project specifications, and segregated by material type.
  - c. Designated stockpile location is to the northeast of the project area, in coordination with the Owner and Engineer provided grades. Incidental to this item is fine grading stockpiles, maintaining positive drainage in stockpile areas, segregation of topsoil or any sand encountered into separate stockpiles. Incidental to this item is clearing and grubbing and stripping vegetation and topsoil from the stockpile area and grading into a stockpile prior to stockpiling additional material in the area. Incidental to this item is stormwater drainage promoted around the stockpile to the tributary to the east and seeding, fertilizing and mulching after stockpiling is complete.
- 12. Bid Item 112: 24" CMP 16 Gauge Culverts (2) with drop structures (1) & end sections (3), Riprap
  - a. Measurement shall be by the lineal foot of corrugated metal pipe (CMP) culvert installed for the sediment pond inlet pipe as measured by survey instrument by the Owner's representative.
  - b. The quantity of CMP pipe (Culvert 1 and Culvert 2) installed shall be paid for at the Unit Price per lineal foot for this pay item. Drop inlet, flared end sections, erosion stone, and geotextile shall be incidental to this bid item. Fine grading around the inlets to the culvert, and setting culverts to the inverts and slopes as shown on the drawings is incidental to this item.
- 13. Bid Item 113: Construct Cell E Groundwater Control System, Liner, Leachate Collection System, sump & loadout, and raincover
  - a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
  - b. Include in this item all labor, materials, and testing to supply and install the groundwater control system, liner system, leachate control system with sump and loadout, and raincover system as shown in the Drawings and described in the specifications. Incidental to this item is soil hauling and placement for the recompacted clay liner, all temporary stockpiling of materials, & material management and testing. Incidental to this item is installation of seepage drain with groundwater control system as needed, as shown on the drawings. Seepage drain to include an 8-inch pipe and 2'x2' granular drainage material to extend the groundwater trench. In this item, include an estimated 1,000-LF of seepage drain.
- 14. Bid Item 114: Construct Leachate Pond, Liner, Loadout, sump and pump

- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
  - b. Include in this item all labor, materials, and testing to supply and install the liner system, leachate control system, and pump and loadout system as shown in the Drawings and described in the specifications. Incidental to this item is soil hauling and placement for the recompacted clay liner, all temporary stockpiling of materials, & material management and testing. Incidental to this item is installation of seepage drain as needed, as shown on the drawings.
15. Bid Item 115: Construct Leachate Forcemain to Leachate Pond
- a. Item to include all HDPE piping installed to complete the forcemain from the Cell E sump to the leachate lagoon and the loadout line.
  - b. Incidental to this item is all fittings and appurtenances for forcemain installation.
  - c. Incidental to this item is all trenching and backfilling.
  - d. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
16. Bid Item 116: Underground electrical extension – South of Cell
- a. Item to include all conduit and wire from tie-in to Cell E loadout and leachate pond loadout. Distance is estimated to be 1,200-LF of trenching, installation, and backfilling with this item.
  - b. Tie-in location to include coordination with Midland Power to upsize pole mounted transformer to minimum of 50-kVa to support future and current loads:
    - a) 10-HP, single phase, 220v Aerators (3)
    - b) 0.75-HP Pumps (3)
    - c) 7.5-HP Pump
    - d) Existing 30amp panel for Phase 1
  - c. Incidental to this item is all fittings and appurtenances for electrical installation. Panels, handholes, tie-in, and startup of panels and pumps to be included in this item.
  - d. Incidental to this item is all trenching and backfilling.
  - e. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
17. Bid Item 117: Construct Stormwater Pond- grading, 48" CMP riser outfall with 24" CMP, topsoil, riprap
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
  - b. The quantity of excavation shall be paid for at the Unit Price per cubic yard within the project area and design boundaries of the pond under bid item 103.
  - c. Included in this item is fine grading, placement of outfall, topsoil, and riprap with associated geotextile as shown on the drawings. Incidental to this item is smooth grading in and around the pond to promote positive drainage and all stormwater control, sediment control, and water control for the duration of the project.
18. Bid Item 118: Terraces and stormwater control system
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.



- b. Include in this item all labor and materials to supply and install stormwater terraces as shown on the drawings, silt fence as needed, pumping equipment, and the stormwater control system as shown on the drawings and described in the project manual.
19. Bid Item 119: Construct South Perimeter Road
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
  - b. Include in this item all labor and materials to supply and install the road textile and aggregate, and tying in to the existing roadway as shown on the drawings and described in the project manual. Structural fill, excavation, and smooth grading road and perimeter ditch to be included in the structural fill and excavation bid items 103 and 104 above.
20. Bid Item 120: Tipping Pad & North Access Road with Culverts
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
  - b. Include in this item all labor and materials to supply and install textile and aggregate, grading in the drainageways to facilitate drainage, and tying in to the existing north roadway as shown on the drawings and described in the project manual. Structural fill, excavation, and smooth grading tipping pad, drainageways, and south road to be included in the structural fill and excavation bid items 103 and 104 above.
  - c. Include in this item supply and install of 24-inch culverts (Culverts 4, 5 and 6) and 18-inch culvert (Culvert 3) with riprap, geotextile, and flared end sections as shown on the drawings.
21. Bid Item 121: Citizen's Campus & North Perimeter Road-aggregate surfacing
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
  - b. Include in this item all labor and materials to supply and install the north area textile, and aggregate, and tying in to the existing roadway as shown on the drawings and described in the project manual. Structural fill, excavation, and smooth grading road and perimeter ditch to be included in the structural fill and excavation bid items 103 and 104 above.
22. Bid Item 122: Citizen's Campus Z-wall with pavement
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
  - b. Include in this item all labor and materials to supply and install the z-wall as shown on the project drawings. Included in this item is all material, material testing, and pavement.
  - c. Include in this item supply and install one 18-inch culvert (Culvert 7) with riprap, geotextile, and flared end sections as shown on the drawings.
23. Bid Item 123: Construct East Perimeter Road
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
  - b. Include in this item all labor and materials to supply and install the road textile and aggregate, and tying in to the north and south roadway as shown on the drawings and described in the project manual. Structural fill, excavation, and smooth grading road

and perimeter ditch to be included in the structural fill and excavation bid items 103 and 104 above.

24. Bid Item 124: Chain Link Fence - Salvage and Install New

- a. Measurement will be based on lineal feet installed as measured by survey and as designed on the drawings.
- b. Include in this item all labor and materials to supply and install new chain link fence as shown on the project drawings. Included in this item is salvage of existing fencing and re-use to the extent possible. New materials due to unsalvageable fencing is incidental to this item.
- c. Included in this item are 3-swing style gates, a minimum of 16-ft wide to be placed in coordination with the Owner.

25. Bid Item 125: Seeding All Areas (Install Owner supplied Topsoil. Install Seed, Fertilize, and Mulch):

- a. Measurement & payment shall be by the acreage of surveyed area, as coordinated with and approved by the Owner.
- b. Additional areas to be seeded outside of the project area (including all disturbed, vegetated areas resulting from Contractor's work activities) shall be included within Lump Sum pricing and included within the Contractor's submitted schedule of values and will not be paid under this item, and will be incidental to the project.

26. Bid Item 126: Allowance:

- a. Item may not be used without written approval from Owner, for items outside of the existing scope of the project. See Specification Section 01 21 00 for more information.

27. ALTERNATE Bid Item 127: Haul, Place, and compact structural fill at Northwest Perimeter Road

- a. Measurement and payment shall be by the cubic yard volume of soil placed as structural fill in the project area as measured by survey instrument. No allowances for shrink/swell in this project for pay items.
- b. The quantity of structural fill shall be paid for at the Unit Price per cubic yard placed as structural fill to the design grades as shown on the Drawings, and per the project specifications. Item includes structural fill with testing per the specifications. Included in this item is all fill, smooth grading, and shaping of roads and drainageways. Included in this item is all stripping of vegetation and replacement after structural fill placement.

28. ALTERNATE Bid Item 128: Northwest Perimeter Road – aggregate surfacing

- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
- b. Include in this item all labor and materials to supply and install the north area textile, and aggregate and tying in to the existing roadway as shown on the drawings and described in the project manual. Structural fill, excavation, and smooth grading road and perimeter ditch to be included in the structural fill and excavation bid item 127 above.
- c. Include in this item supply and install one 24-inch culvert (Culvert 8) and one 48-inch RCP (Culvert 9) with riprap, geotextile, and flared end sections as shown on the drawings.

29. ALTERNATE Bid Item 129: Additional Seeding and Fertilizing (without topsoiling)

- a. Measurement & payment shall be by the acreage of surveyed area, as coordinated with and approved by the Owner.
- b. Additional areas to be seeded outside of the project area (including all disturbed, vegetated areas resulting from Contractor's work activities) shall be included within

Lump Sum pricing and included within the Contractor's submitted schedule of values and will not be paid under this item, and will be incidental to the project.

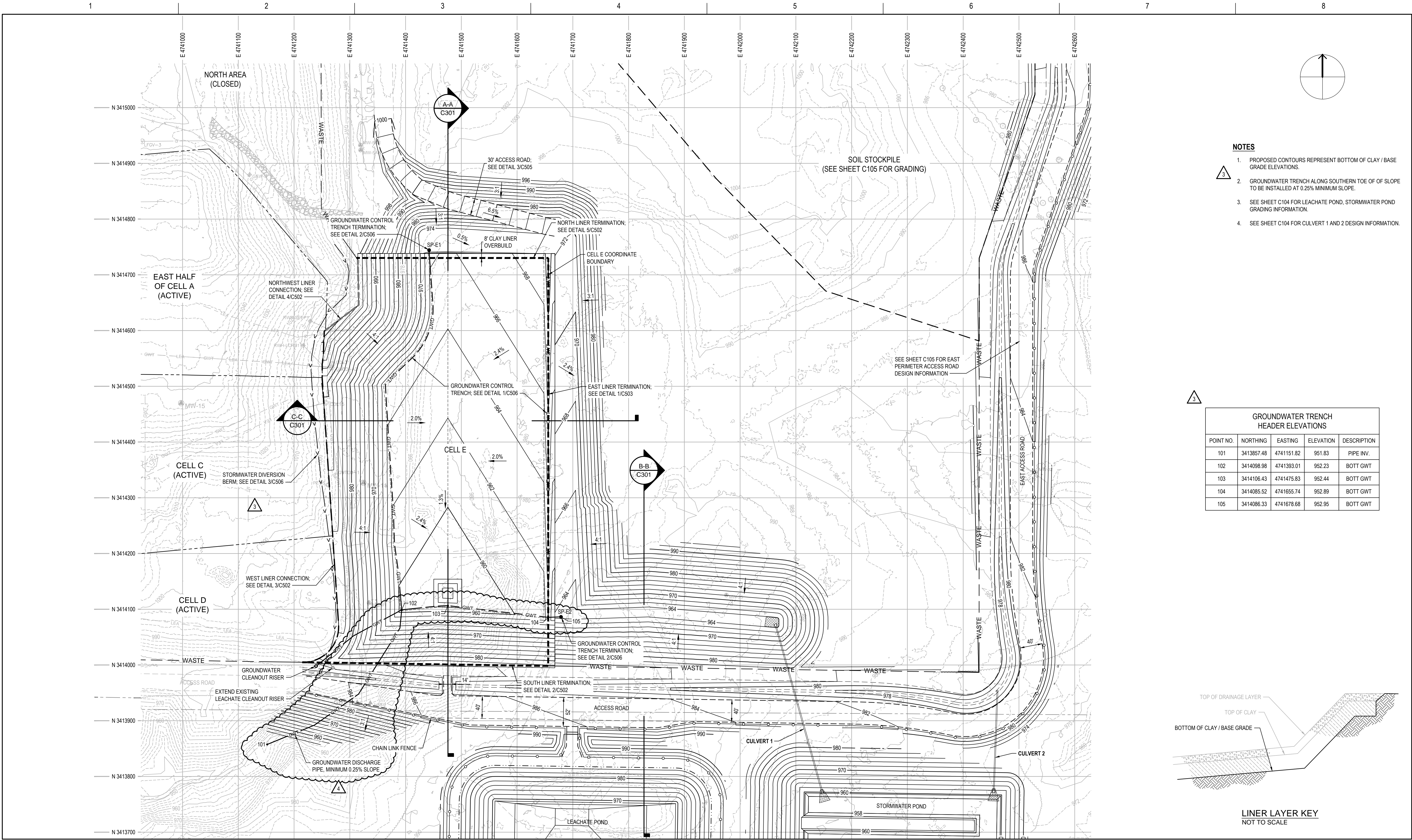
30. ALTERNATE Bid Item 130: South Stockpile - Haul, and Place Soil at Owner Designated Stockpile
- a. Measurement and payment shall be by the cubic yard volume of soil excavated from the project areas and placed in the Owner Designated stockpile as measured by survey instrument and verified by final survey.
  - b. Material shall be placed in lifts in accordance with the project specifications, and segregated by material type. This item shall not be additive to Bid item 111.
  - c. Designated stockpile location is to the south of the leachate and stormwater ponds, in coordination with the Owner and Engineer provided grades. Incidental to this item is fine grading stockpiles, maintaining positive drainage in stockpile areas, segregation of topsoil or any sand encountered into separate stockpiles. Incidental to this item is clearing and grubbing and stripping vegetation and topsoil from the stockpile area and grading into a stockpile prior to stockpiling additional material in the area. Incidental to this item is stormwater drainage promoted around the stockpile to the stormwater pond and seeding, fertilizing and mulching after stockpiling is complete.
31. ALTERNATE Bid Item 131: Aerator Supply and Installation
- a. Item to include all labor and materials to supply and install 2-leachate pond aerators within the new leachate pond.
  - b. Aerators to be Aire-O2 aspirator, 60-hz, 10-HP, single phase, 230v or engineer approved equivalent.
  - c. Incidental to this item is all fittings and appurtenances for electrical installation. Panels, handholes, tie-in, and startup of panels and pumps to be included in this item.
  - d. Incidental to this item is all trenching and backfilling.
  - e. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.

## **PART 2 - PRODUCTS - (NOT APPLICABLE TO THIS SPECIFICATION SECTION)**

## **PART 3 - EXECUTION - (NOT APPLICABLE TO THIS SPECIFICATION SECTION)**

### **END OF SECTION**



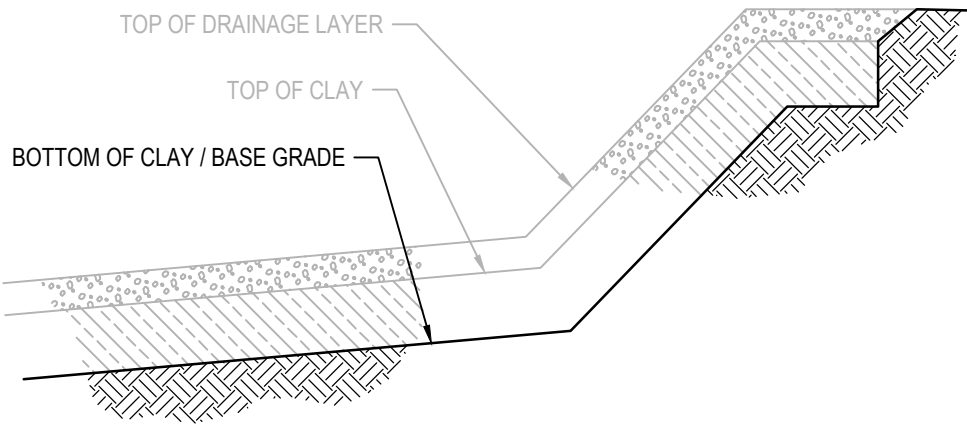


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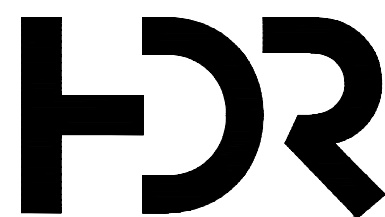
- PROPOSED CONTOURS REPRESENT BOTTOM OF CLAY / BASE GRADE ELEVATIONS.
- GROUNDWATER TRENCH ALONG SOUTHERN TOE OF OF SLOPE TO BE INSTALLED AT 0.25% MINIMUM SLOPE.
- SEE SHEET C104 FOR LEACHATE POND, STORMWATER POND GRADING INFORMATION.
- SEE SHEET C104 FOR CULVERT 1 AND 2 DESIGN INFORMATION.

GROUNDWATER TRENCH  
HEADER ELEVATIONS

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	3413857.48	4741151.82	951.83	PIPE INV.
102	3414098.98	4741393.01	952.23	BOTT GWT
103	3414106.43	4741475.83	952.44	BOTT GWT
104	3414085.52	4741655.74	952.89	BOTT GWT
105	3414086.33	4741678.68	952.95	BOTT GWT



LINER LAYER KEY  
NOT TO SCALE



ISSUE	DATE	DESCRIPTION
4	01-26-2026	ADDENDUM NO. 3
3	01-20-2026	ADDENDUM NO. 2
2	12-23-2025	ADDENDUM NO. 1
1	11-26-2024	ISSUED FOR BID

PROJECT MANAGER K. KINLEY

CIVIL K. KINLEY

DRAWN BY M. BICKFORD

QC BY

PROJECT NUMBER 10408322

PRELIMINARY  
NOT FOR  
CONSTRUCTION OR  
RECORDING



Metro Waste Authority

METRO PARK WEST  
MWA PROJECT P-67  
CELL E LINER CONSTRUCTION

BASE GRADING PLAN

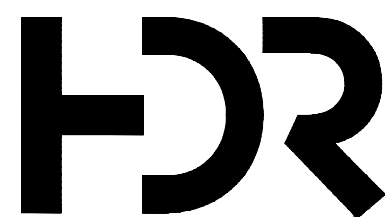
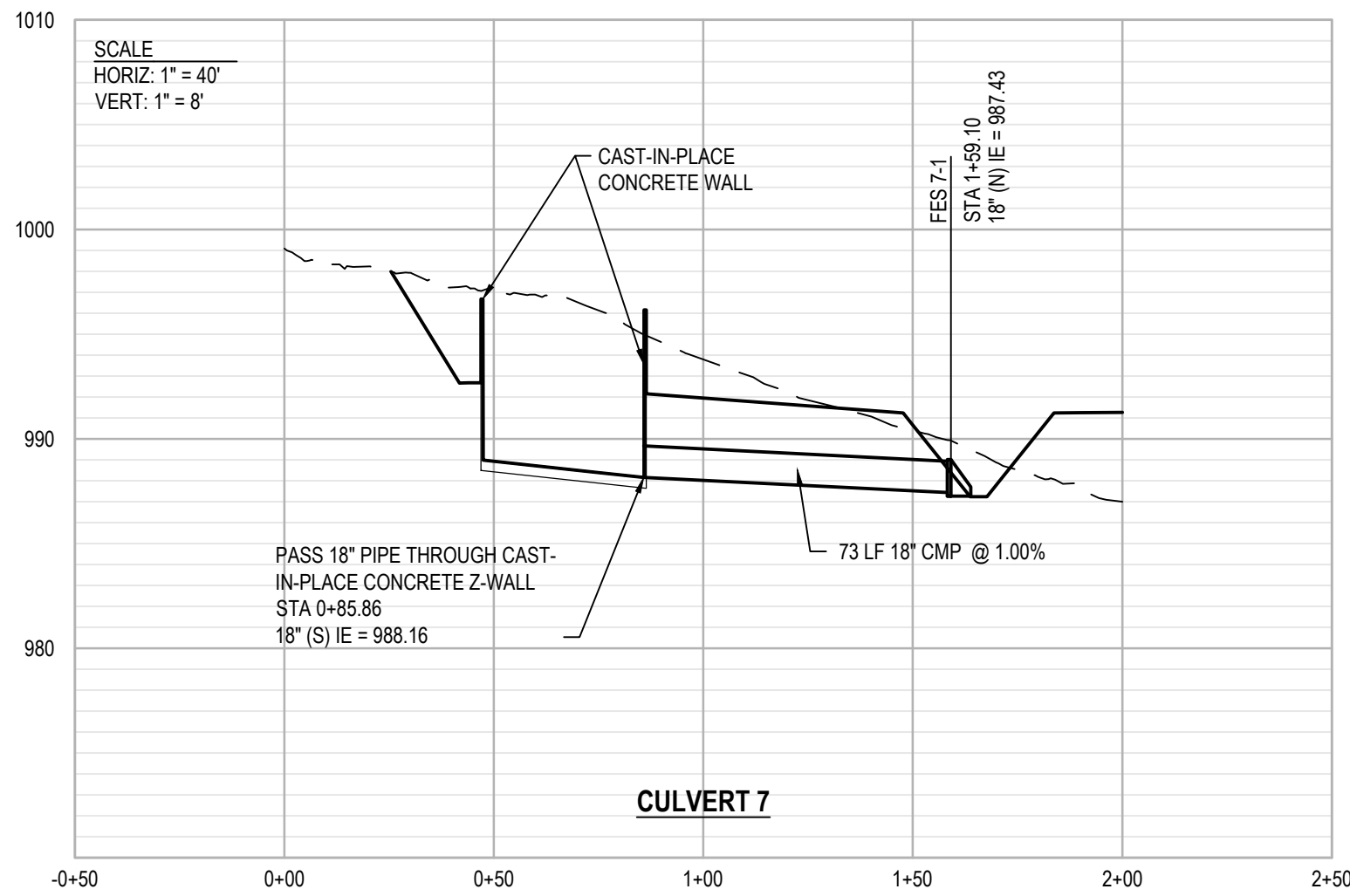
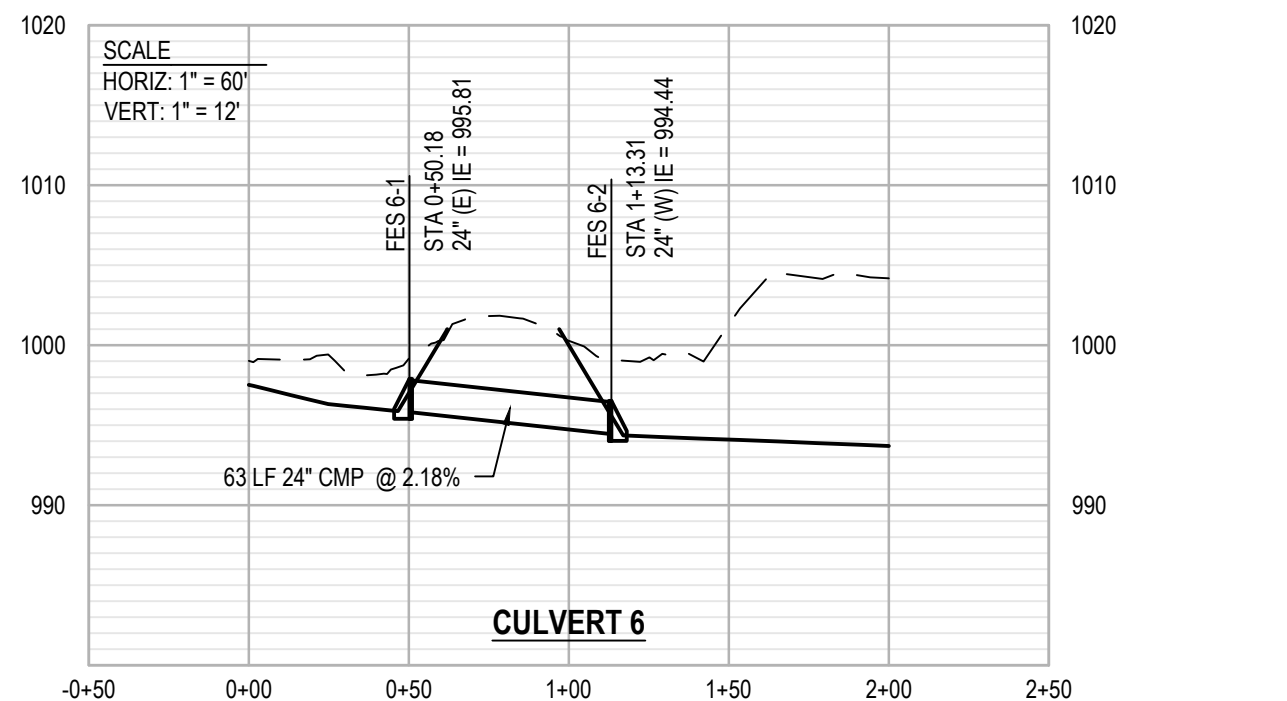
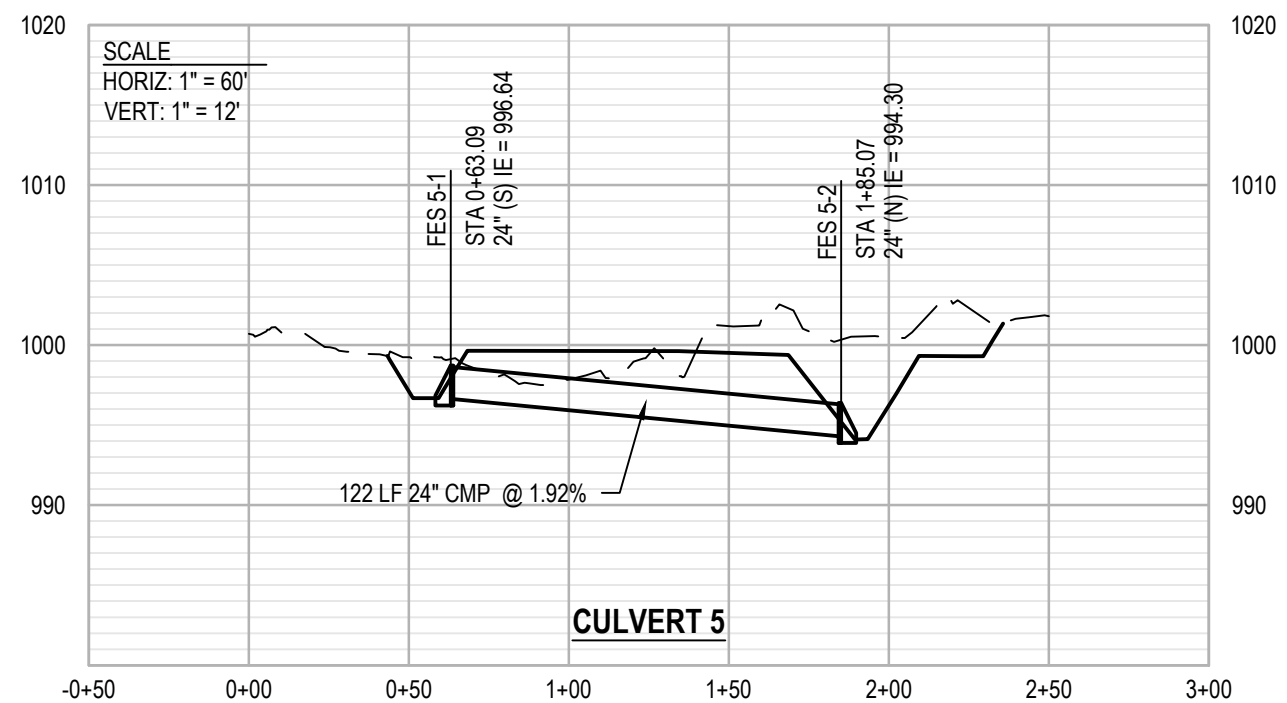
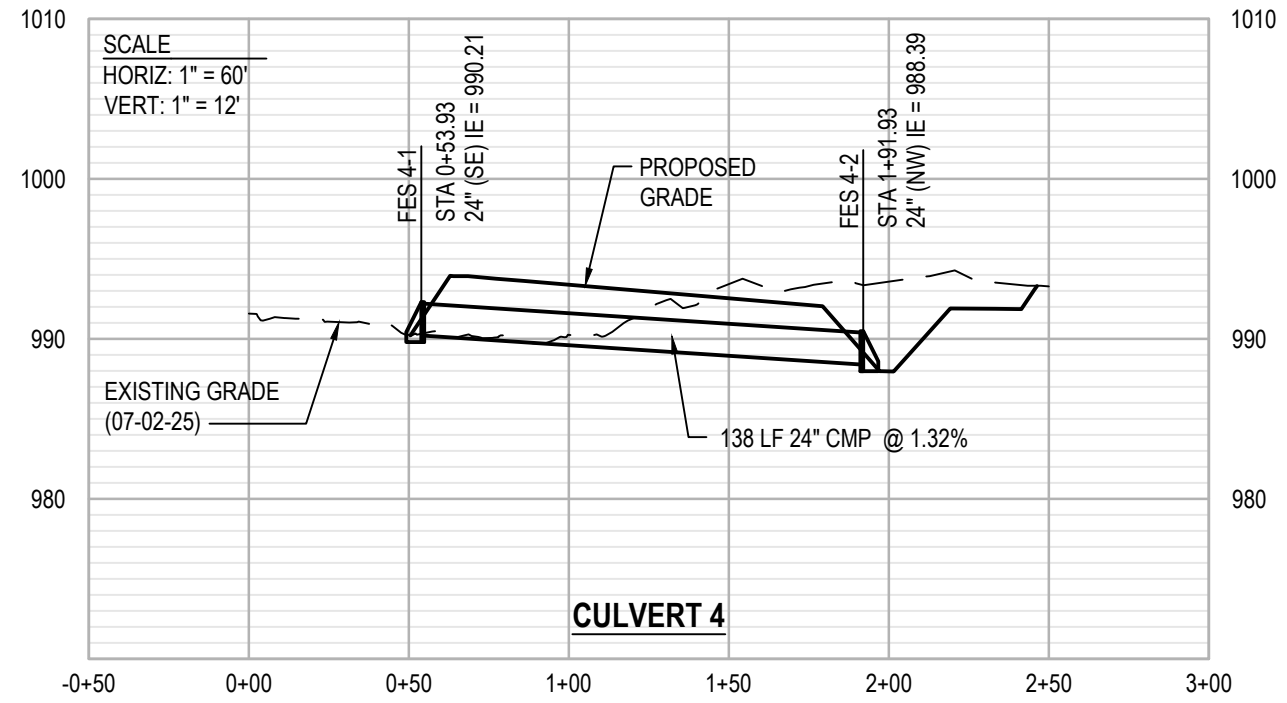
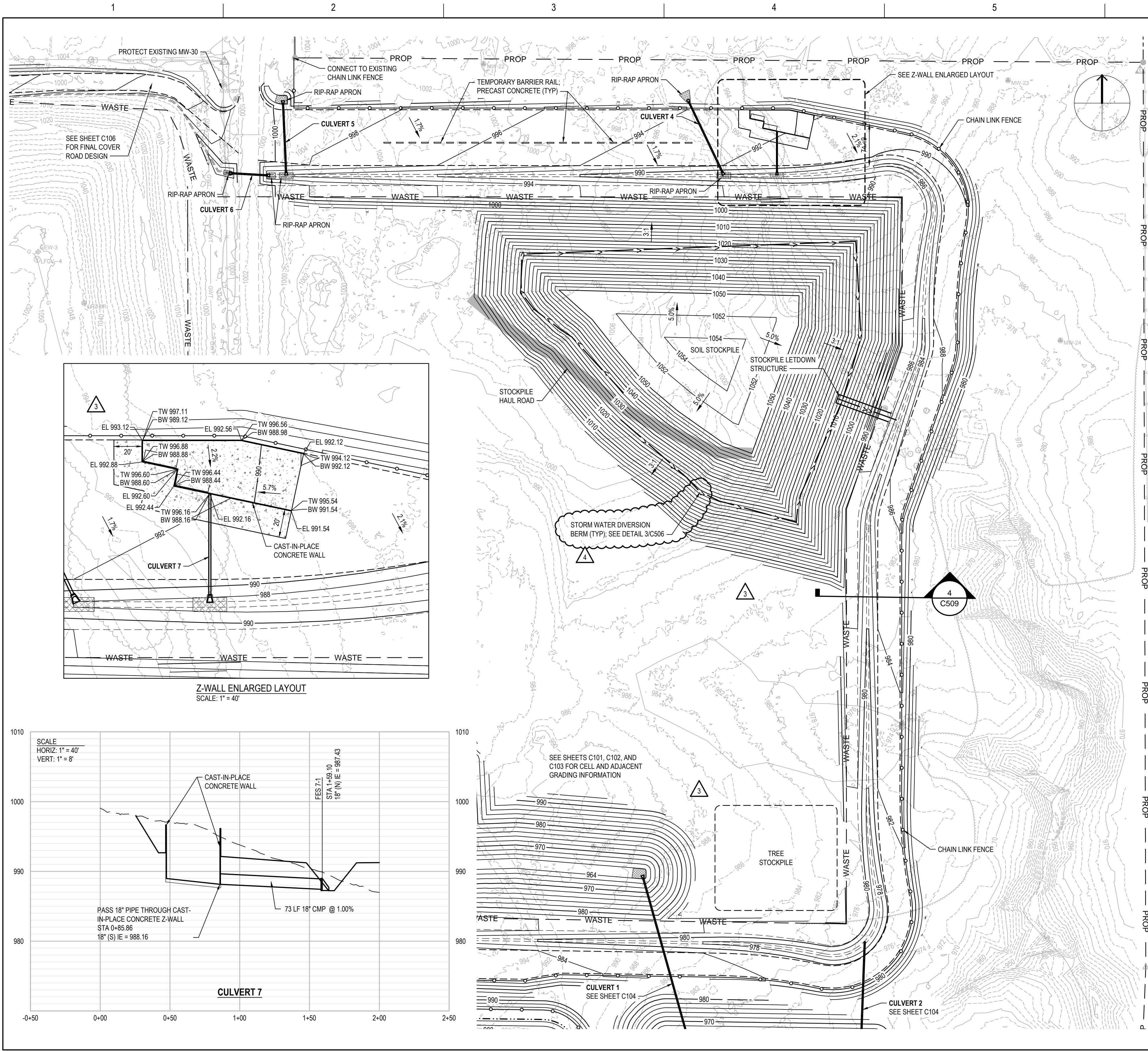


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SHEET

C101





ISSUE	DATE	DESCRIPTION
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2	12-23-2025	ADDENDUM NO. 1
1	11-26-2024	ISSUED FOR BID

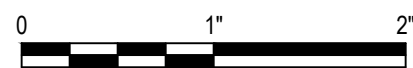
PROJECT MANAGER	K. KINLEY
CIVIL	K. KINLEY
DRAWN BY	M. BICKFORD
QC BY	
PROJECT NUMBER	10408322

PRELIMINARY  
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**Metro Waste Authority**  
**METRO PARK WEST**  
**MWA PROJECT P-67**  
**CELL E LINER CONSTRUCTION**

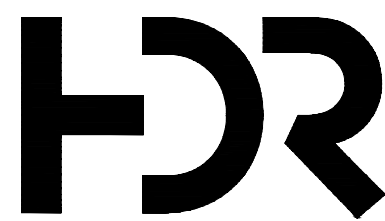
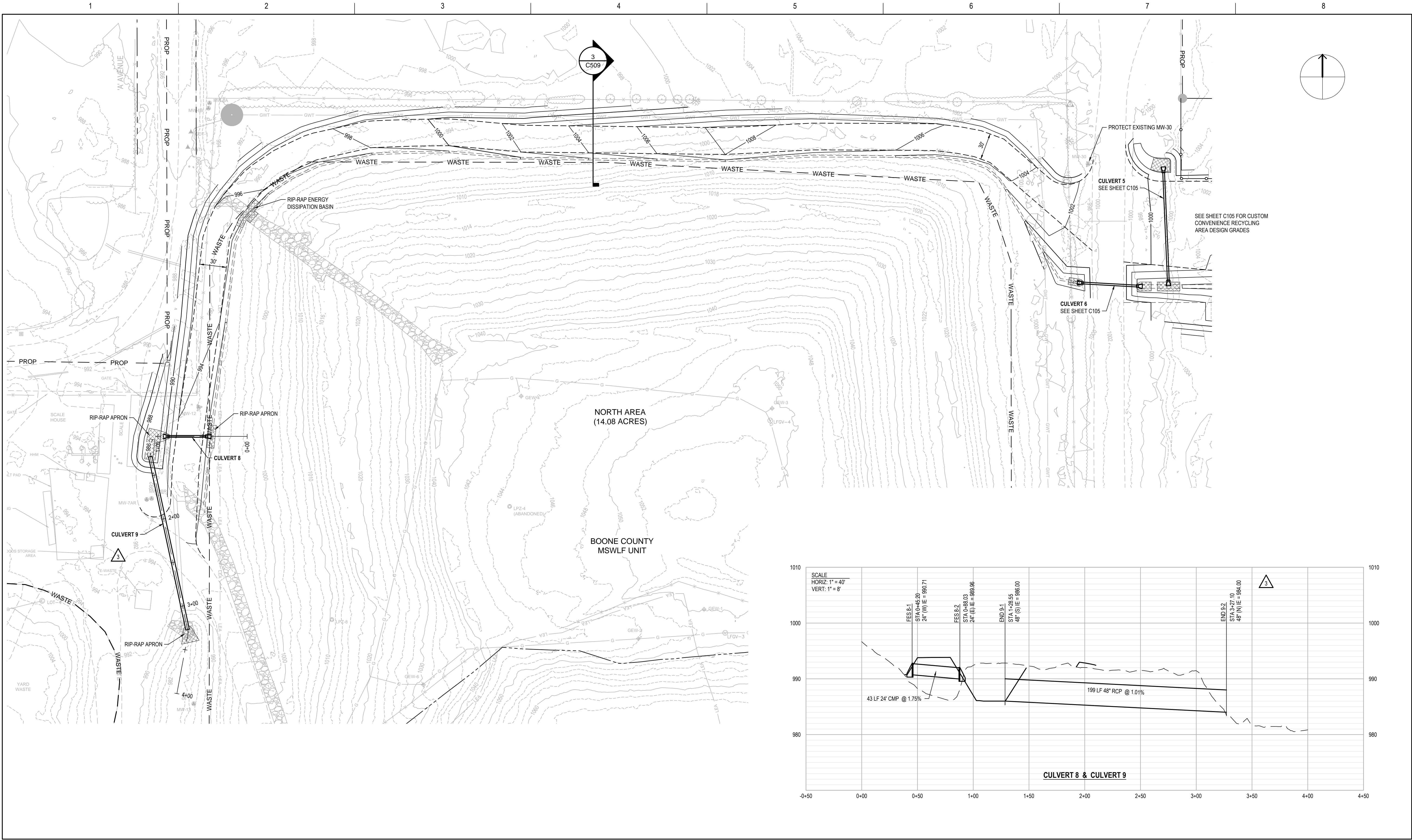
**EAST PERIMETER ROAD GRADING  
AND DEVELOPMENT PLAN**



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SCALE | 1" = 100'

SHEET  
**C105**





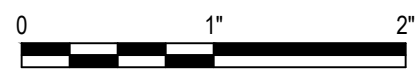
ISSUE	DATE	DESCRIPTION
4	01-26-2026	ADDENDUM NO. 3
3	01-20-2026	ADDENDUM NO. 2
2	12-23-2025	ADDENDUM NO. 1
1	11-26-2024	ISSUED FOR BID

PROJECT MANAGER	K. KINLEY
CIVIL	K. KINLEY
DRAWN BY	M. BICKFORD
QC BY	
PROJECT NUMBER	10408322

PRELIMINARY  
NOT FOR  
CONSTRUCTION OR  
RECORDING



**Metro Waste Authority**  
**METRO PARK WEST**  
**MWA PROJECT P-67**  
**CELL E LINER CONSTRUCTION**



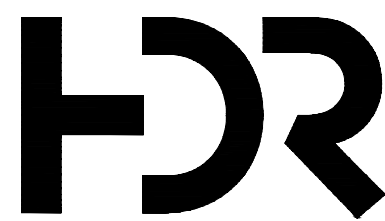
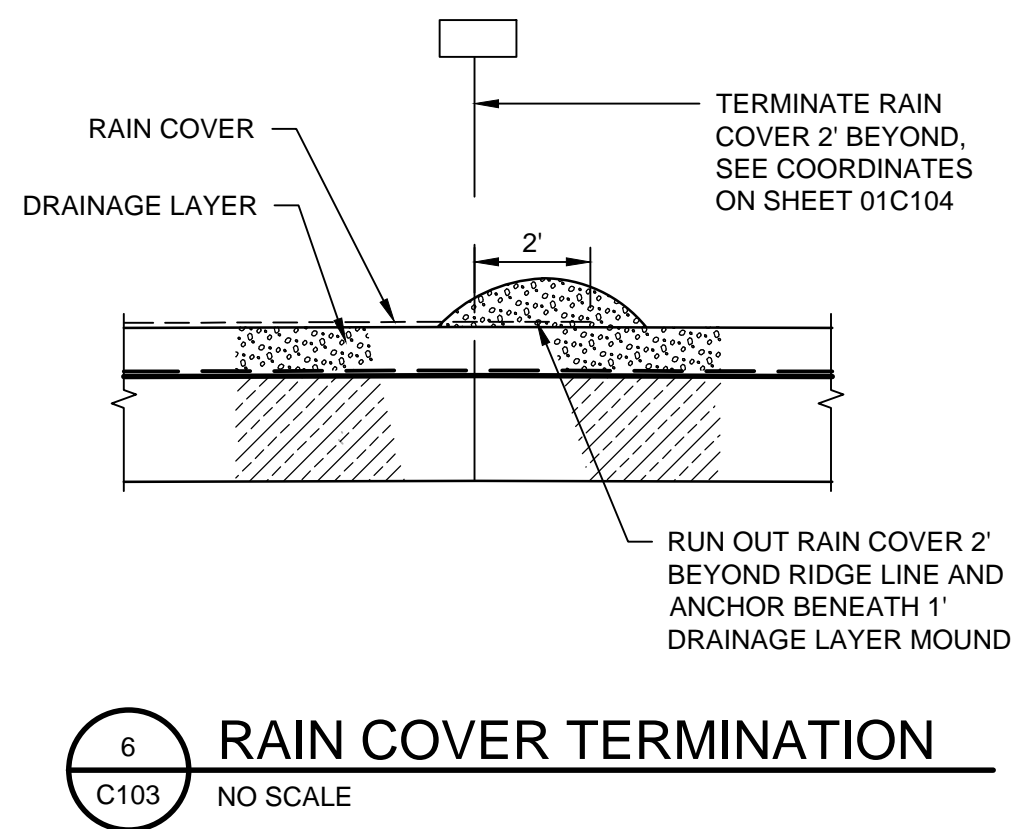
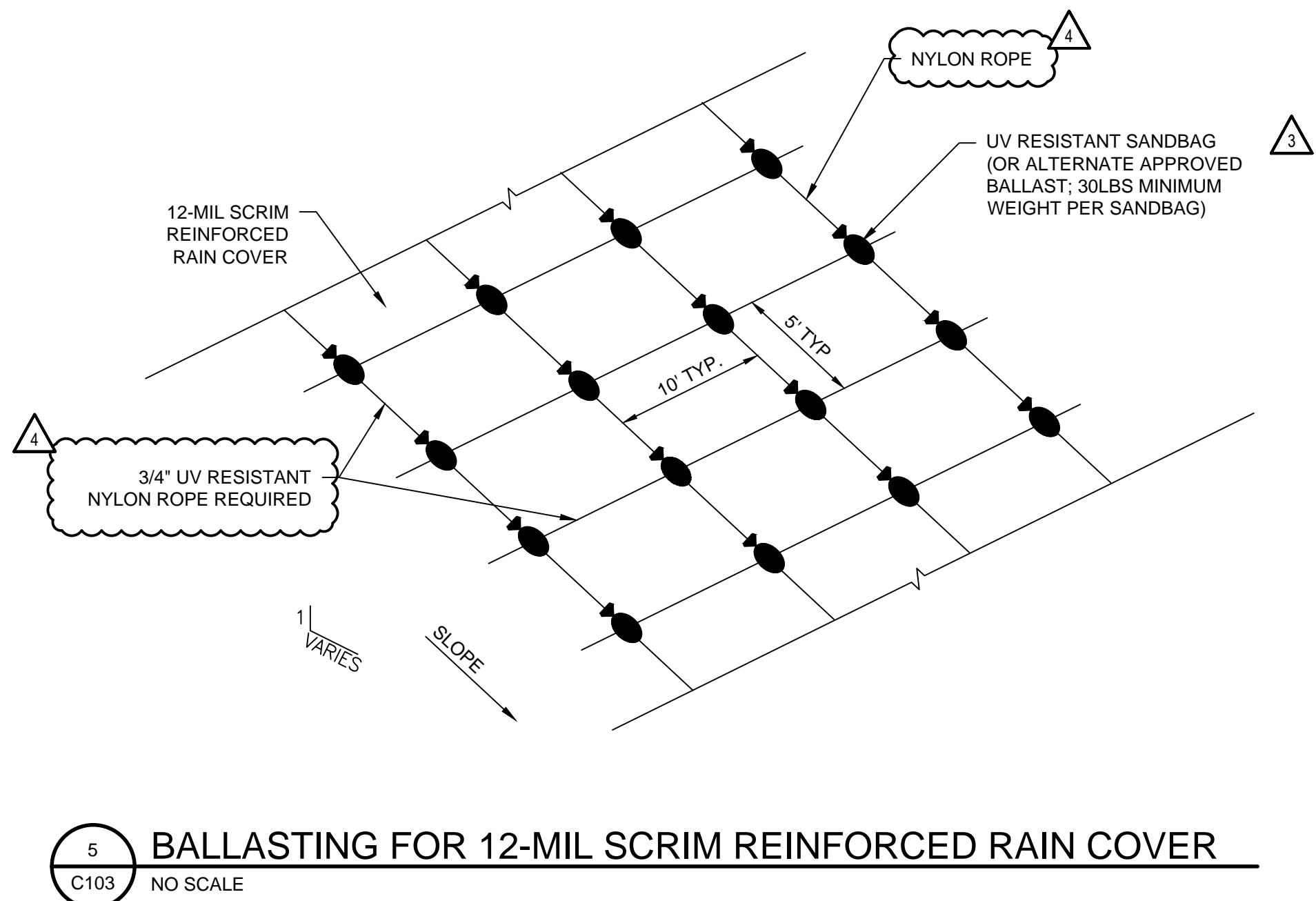
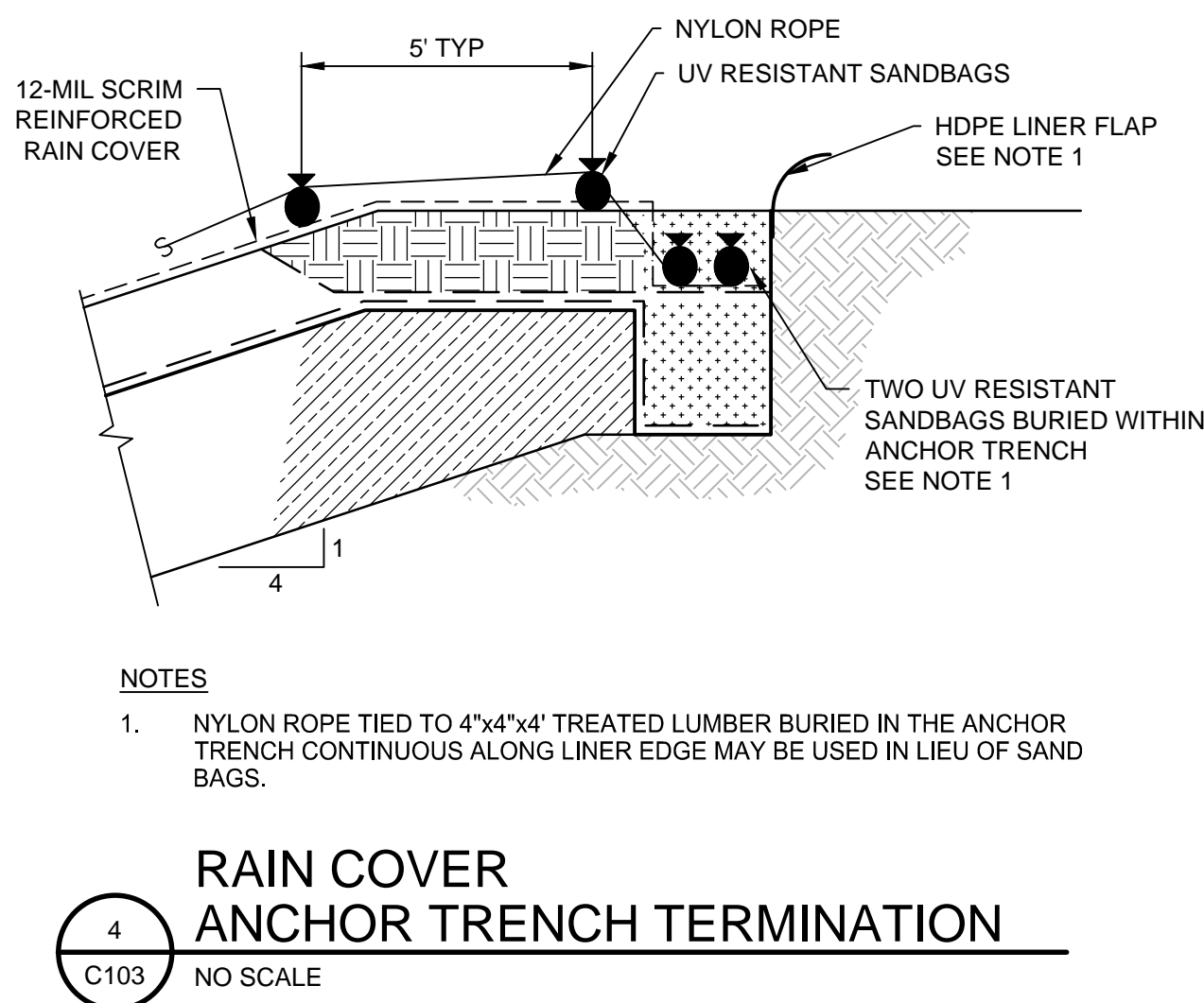
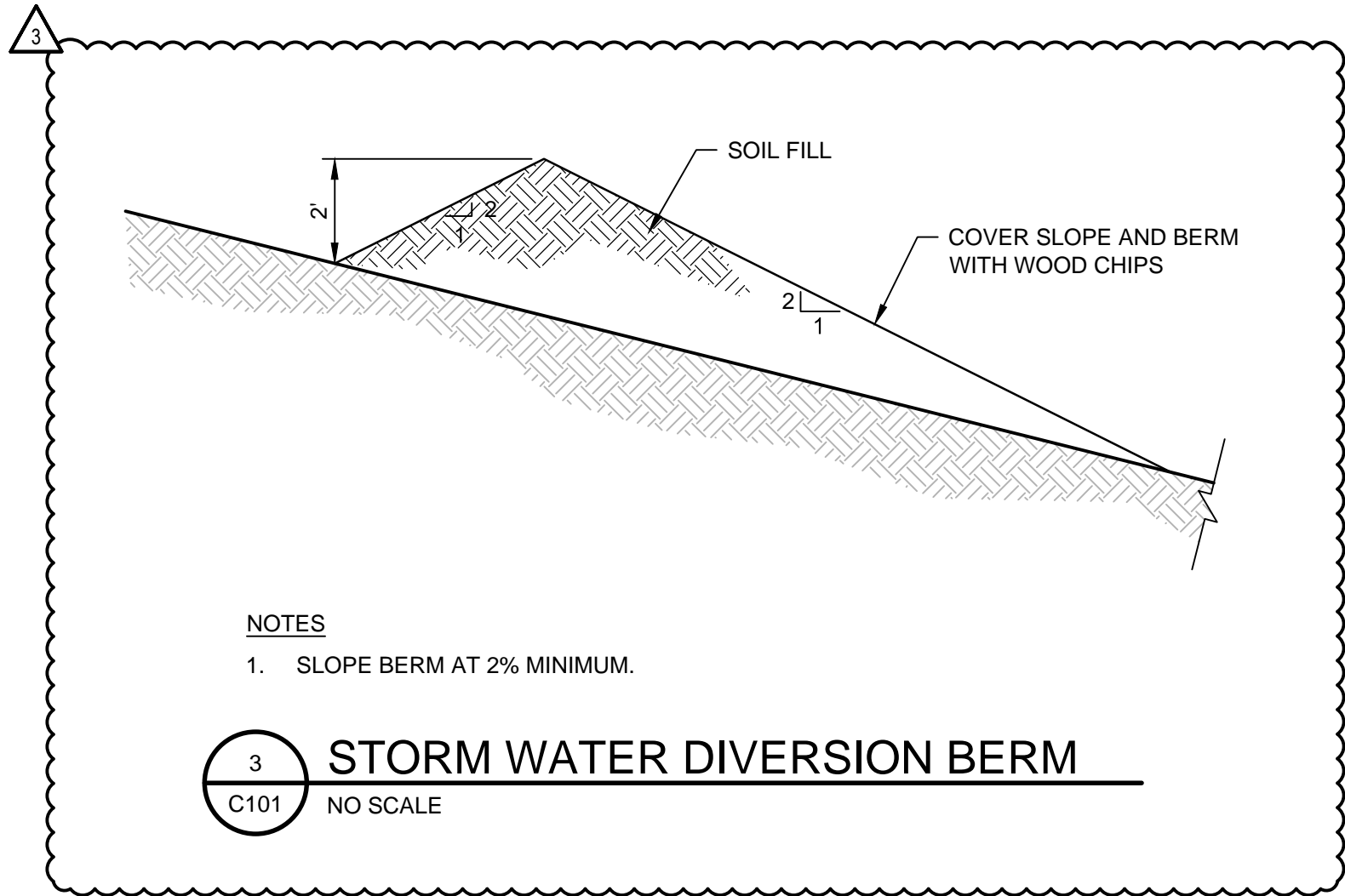
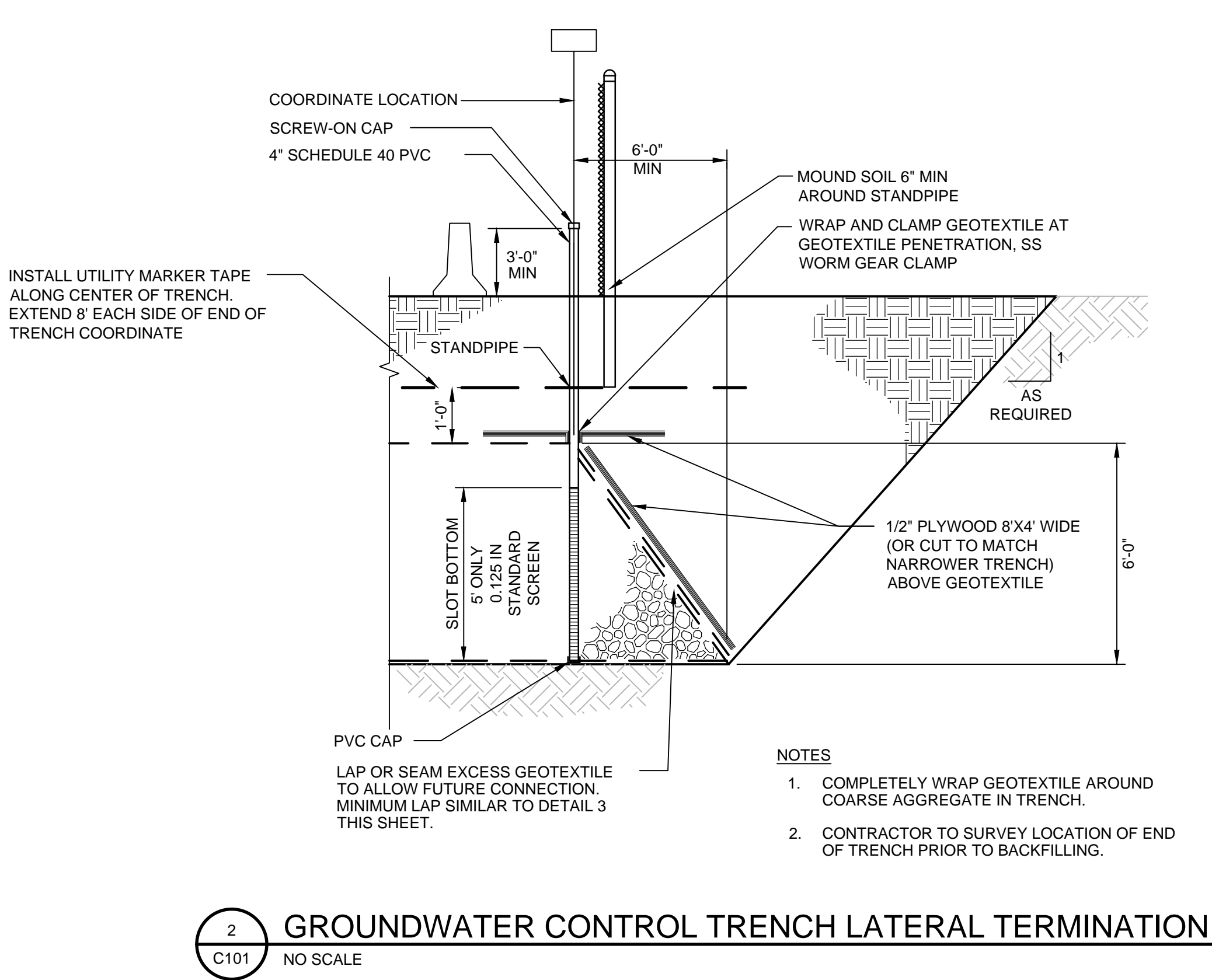
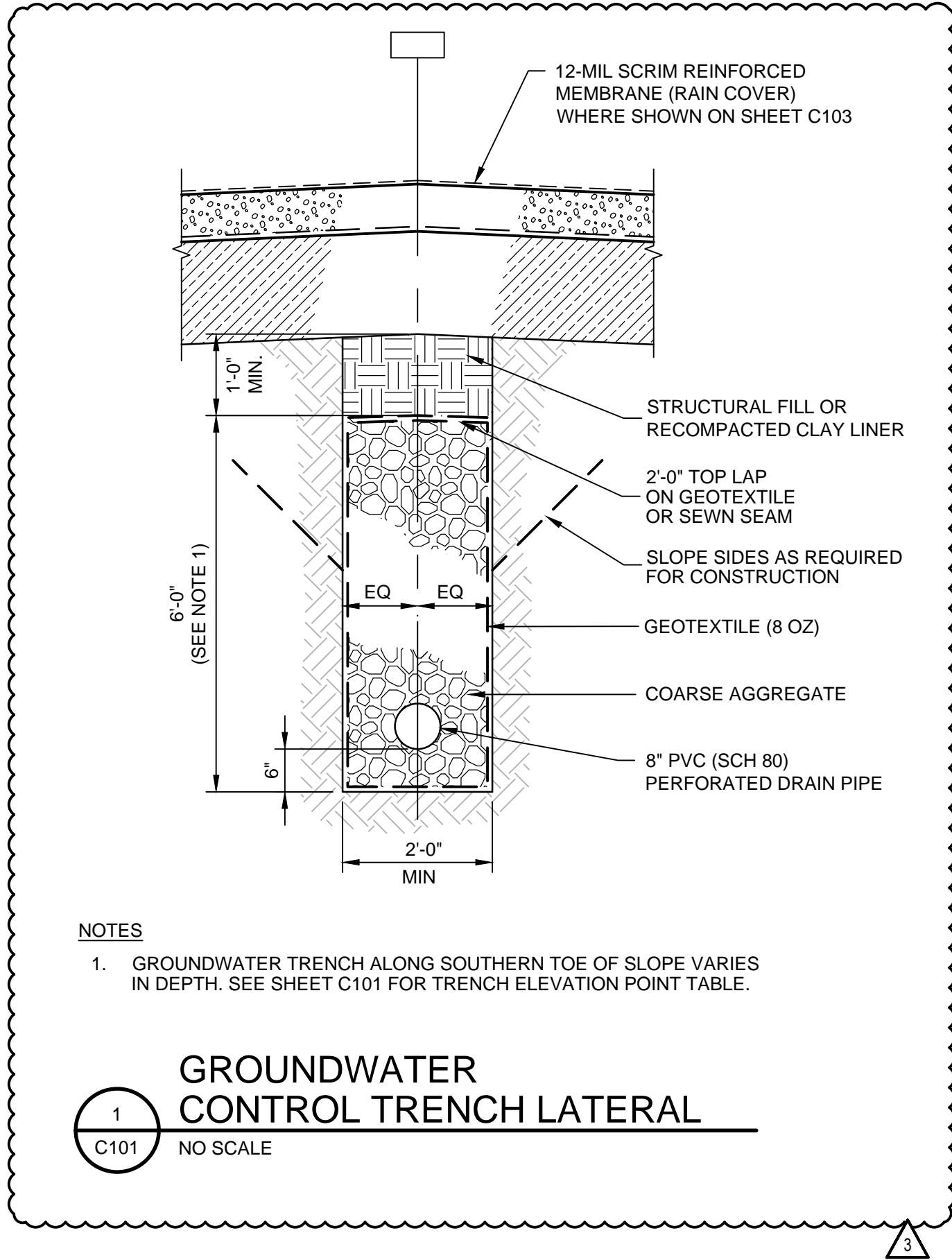
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SCALE | 1" = 50'

**NORTHWEST PERIMETER ROAD  
GRADING PLAN**

SHEET

**C106**





ISSUE	DATE	DESCRIPTION
4	01-26-2026	ADDENDUM NO. 3
3	01-20-2026	ADDENDUM NO. 2
2	12-23-2025	ADDENDUM NO. 1
1	11-26-2024	ISSUED FOR BID

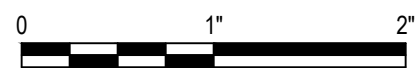
PROJECT MANAGER	K. KINLEY
CIVIL	K. KINLEY
DRAWN BY	M. BICKFORD
QC BY	
PROJECT NUMBER	10408322

PRELIMINARY  
NOT FOR  
CONSTRUCTION OR  
RECORDING



**Metro Waste Authority**

**METRO PARK WEST**  
**MWA PROJECT P-67**  
**CELL E LINER CONSTRUCTION**



DETAILS

FILENAME C506.dwg  
SCALE AS NOTED

SHEET  
**C506**

