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**ADDENDUM NO. 1**

**WALNUT GROVE CORRECTIONAL FACILITY GS#320-071  
ARPA INFR. WGCF STORM  
WALNUT GROVE, MISSISSIPPI**

The following changes are hereby made to the Contract Documents for the referenced project.

**CONTRACT PLANS**

**A. DRAWING NO. C01.0 GENERAL NOTES AND INDEX OF DRAWINGS**

Delete DRAWING NO. C01.0 GENERAL NOTES AND INDEX OF DRAWINGS in its entirety and replace with the attached revised DRAWING NO. C01.0 GENERAL NOTES AND INDEX OF DRAWINGS.

**B. DRAWING NO. C03.0 SITE DEMOLITION PLAN**

Delete DRAWING NO. C03.0 SITE DEMOLITION PLAN in its entirety and replace with the attached revised DRAWING NO. C03.0 SITE DEMOLITION PLAN.

**C. DRAWING NO. C04.1, C04.2, C04.3, C04.4, and C04.5 SITE DRAINAGE AND GRADING PLAN (BASE BID)**

Delete DRAWING NO. C04.1, C04.2, C04.3, C04.4, and C04.5 SITE DRAINAGE AND GRADING PLAN (BASE BID) in its entirety and replace with the attached revised DRAWING NO. C04.1, C04.2, C04.3, C04.4, and C04.5 SITE DRAINAGE AND GRADING PLAN (BASE BID).

**D. DRAWING NO. C04.6 SITE DRAINAGE AND GRADING PLAN - KEY MAP (ADD ALTERNATE BIDS)**

Delete DRAWING NO. C04.6 SITE DRAINAGE AND GRADING PLAN - KEY MAP (ADD ALTERNATE BIDS) in its entirety and replace with the attached revised DRAWING NO. C04.6 SITE DRAINAGE AND GRADING PLAN - KEY MAP (ADD ALTERNATE BIDS).

**E. DRAWING NO. C04.7 SITE DRAINAGE AND GRADING PLAN (ADD ALTERNATE NO. 1)**

**Addendum No. 1**

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Delete DRAWING NO. C04.7 SITE DRAINAGE AND GRADING PLAN (ADD ALTERNATE NO. 1) in its entirety and replace with the attached revised DRAWING NO. C04.7 SITE DRAINAGE and GRADING PLAN (ADD ALTERNATE NO. 1).

**F. DRAWING NO. C04.12 and C04.13 SITE DRAINAGE AND GRADING PLAN (ADD ALTERNATE NO. 5)**

Add attached new DRAWING NO. C04.12 and C04.13 SITE DRAINAGE AND GRADING PLAN (ADD ALTERNATE NO. 5) to Contract Plans.

**G. DRAWING NO. C05.3 SITE EROSION CONTROL PLAN – KEY MAP (ADD ALTERNATE BIDS)**

Delete DRAWING NO. C05.3 SITE EROSION CONTROL PLAN - KEY MAP (ADD ALTERNATE BIDS) in its entirety and replace with the attached revised DRAWING NO. C05.3 SITE EROSION CONTROL PLAN – KEY MAP (ADD ALTERNATE BIDS).

**H. DRAWING NO C05.9 and C05.10 SITE EROSION CONTROL PLAN (ADD ALTERNATE NO. 5)**

Add attached new DRAWING NO. C05.9 and DRAWING NO. C05.10 SITE EROSION CONTROL PLAN (ADD ALTERNATE NO. 5) to Contract Plans.

**I. DRAWING NO. C06.1 SITE GRASSING AND SURFACE REPAIR PLAN (BASE BID)**

Delete DRAWING NO. C06.1 SITE GRASSING AND SURFACE REPAIR PLAN (BASE BID) in its entirety and replace with the attached revised DRAWING NO. C06.1 SITE GRASSING AND SURFACE REPAIR PLAN (BASE BID).

**J. DRAWING NO. C06.3 SITE GRASSING AND SURFACE REPAIR PLAN – KEY MAP (ADD ALTERNATE BIDS)**

Delete DRAWING NO. C06.3 SITE GRASSING AND SURFACE REPAIR PLAN – KEY MAP (ADD ALTERNATE BIDS) in its entirety and replace with the attached revised DRAWING NO. C06.3 SITE GRASSING AND SURFACE REPAIR PLAN – KEY MAP (ADD ALTERNATE BIDS).

Addendum No. 1

**K. DRAWING NO. C06.9 and C06.10 SITE GRASSING AND SURFACE REPAIR PLAN (ADD ALTERNATE NO. 5)**

Add attached new DRAWING NO. C06.9 and C06.10 SITE GRASSING AND SURFACE REPAIR PLAN (ADD ALTERNATE NO. 5) to Contract Plans.

**CONTRACT SPECIFICATIONS**

**A. SECTION 01 8000 SPECIAL REQUIREMENTS**

Delete SECTION 01 8000 SPECIAL REQUIREMENTS in its entirety and replace with the attached revised SECTION 01 8000 SPECIAL REQUIREMENTS.

**B. SECTION 40 0533 POLYETHYLENE PIPE**

Delete SECTION 40 0533 POLYETHYLENE PIPE in its entirety and replace with the attached revised SECTION 40 0533 POLYETHYLENE PIPE (HDPE).

**C. SECTION 40 0534 POLYPROPYLENE PIPE (HP Storm pipe or approved equal)**

Add attached new SECTION 40 0534 POLYPROPYLENE PIPE (HP Storm pipe or approved equal) to the Contract Specification.

Also attached to this Addendum are the Attendees signed in sheet for Pre-Bid meeting, Pre-Bid Agenda Instruction to Bidders, Pre-Bid Meeting Agenda (Civil Items) and Pre-Bid Minutes for the Pre-Bid meeting held on site at the Walnut Grove Correctional Facility on July 20, 2023, which are made a part of this Addendum.

The aforementioned revisions and the work affected hereby are subject to all provisions of the contract documents not specifically revised by the Addendum.



Approved

NEEL-SCHAFFER, INC.

By: \_\_\_\_\_

A handwritten signature in blue ink, appearing to read "Danny M. Ryals", written over a horizontal line.

**Addendum No. 1**

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The recipient of this Addendum shall indicate receipt thereof by signature on the line below. **A signed copy of this Addendum shall accompany the proposal.**

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Signature and Title

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Company Name

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Date

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**SPECIAL REQUIREMENTS**  
**SECTION 01 8000**

**PART 1 - SUMMARY OF WORK SUPPLEMENT**

**1.01 WORK SEQUENCE**

- A. Owner will occupy the building during construction, coordinate with Owner's Representative in scheduling work to vacate the areas as the Contractor requires.
- B. Construct work in stages as follows:
  - 1. \_\_\_\_\_
  - 2. \_\_\_\_\_
  - 3. \_\_\_\_\_

**1.02 PARTIAL OWNER OCCUPANCY**

- A. Schedule early completion of designated areas for Owner's usage prior to substantial completion of entire Project as follows: \_\_\_\_\_
- B. Owner will occupy the following areas throughout the Project or during portions of the Project as follows:  
\_\_\_\_\_
- C. Prior to occupancy of any portion of the Project, a *Certificate of Substantial Completion* for designated areas shall be executed establishing responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance for such portion of the Work.

**PART 2 - ALLOWANCE SUPPLEMENT**

**2.01 SCHEDULE OF ALLOWANCES**

- A. Include in the Bid, for inclusion in the Contract Sum, the amount of \$ \_\_\_\_\_ for purchase of \_\_\_\_\_  
(Refer to Section \_\_\_\_\_, \_\_\_\_\_)
- B. Include in the Bid, for inclusion in the Contract Sum, the amount of \$ \_\_\_\_\_ for purchase of \_\_\_\_\_  
(Refer to Section \_\_\_\_\_, \_\_\_\_\_)

**PART 3 - ALTERNATE SUPPLEMENT**

**3.01 DESCRIPTION OF ALTERNATES**

- A. Alternate Number One:  
Install storm drainage piping system for the north-west corner of the project.
- B. Alternate Number Two:  
Grade areas south of the building complex to provide positive drainage to existing inlets.
- C. Alternate Number Three:  
Grade areas south-west of the building complex and the interior areas of the building complex to provide positive drainage to existing inlets.

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**Division One**

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- D. Alternate Number Four:  
Grade areas north of the building complex to provide positive drainage to existing inlets.
  - E. Alternate Number Five.  
Grade and grass slope failure areas located outside the security perimeter fence.

**PART 4 – CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS SUPPLEMENT**

- 4.01 **FIELD OFFICE**
- 4.02 **UTILITIES**
- 4.03 **PROJECT SIGN**

**PART 5 – ANTICIPATED DELAYS**

- 5.01 **ADVERSE WEATHER**

**PART 6 – INSTITUTION/AGENCY REQUIREMENTS**

- 6.01 **PROHIBITED ACTIVITIES**
- 6.02 **USE OF PREMISES**
- 6.03 **SUSPENSION/DEBARMENT:**

Prior to any award, the owner will verify that the potential vendor is not suspended or debarred according to SAM.gov (<https://sam.gov/search>).

- 6.04 **UEI:**

All entities that will receive ARPA funds must have a current Unique Entity Identifier (UEI). This is not required at time of receipt of bids but will be necessary prior to making bid award, so bidders are encouraged to obtain a UEI number at SAM.gov if they do not already have one.

## SECTION 40 0533 - POLYETHYLENE PIPE (HDPE)

### PART 1 - GENERAL

#### 1.1 DESCRIPTION

##### A. Scope:

Storm sewer shall include all labor, materials, equipment and incidentals for construction of corrugated polyethylene pipe surface drainage at the prescribed line and grade. The extent of the corrugated HDPE pipe is as designated in accordance with the plans and specifications.

##### B. Related Work Specified Elsewhere:

1. Section 31 0524, Earthwork.
2. Section 33 4601, Buried Piping Installation.

#### 1.2 QUALITY ASSURANCE

##### A. Source Quality Control: Obtain pipe and fittings from no more than one manufacturer.

##### B. Reference Standards: Comply with the latest editions of the following:

1. AASHTO M294-96: Standard Specification for Corrugated Polyethylene Pipe, 4" to 10" Diameter.
2. ASTM D2321-89: Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Glow Applications.
3. ASTM D3350: Standard Specification for Polyethylene Plastic Pipe and Fittings Materials.
4. ASTM F477-93: Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe.

#### 1.3 SUBMITTALS

##### A. Shop Drawings and Product Data: Comply with the general requirements of Section 01 3323. Submit detailed drawings and data on pipe, fittings, gaskets and appurtenances in conjunction with Shop Drawings required under Section 01 3323.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

##### A. General:

The prescribed sizes of pipe are nominal inside diameters. Pipe sizes shall be of the size and length as shown on the plans.

##### B. Smooth Interior Corrugated Polyethylene Pipe:

1. The product supplied under this specification shall be high density polyethylene pipe with a corrugated exterior and smooth interior for 12" to 36" diameters meeting AASHTO M294-96, (Type S), and a profile wall with a smooth interior and exterior for 42" and 48" diameters meeting AASHTO MP6-95, (Type D).

2. Material shall meet ASTM D3350 resin cell classification 335420C.
3. Flow calculations shall be based on Manning's "n" value of 0.012.

C. Joints and Fittings:

1. Joints shall consist of a bell and spigot type joint with an O-ring rubber gasket meeting ASTM F477 placed on the spigot end. At least two (2) corrugations of the spigot end must insert into the bell end.
2. Pipe fittings shall conform to AASHTO M294 or as designated by the Engineer.

2.2 MANUFACTURER

- A. Smooth Interior Corrugated Polyethylene Pipe and fittings shall be N-12 as manufactured by Advanced Drainage Systems or equal.

**PART 3 - EXECUTION**

3.1 INSPECTION

- A. All delivered pipe shall be inspected. Damaged pipe will not be accepted.

3.2 INSTALLATION

- A. Installation shall be in accordance with ASTM D2321 and as specified in Section 33 4601.

**END OF SECTION 40 0533**

## SECTION 40 0534 - POLYPROPYLENE PIPE (HP Storm pipe or approved equal)

### PART 1 - GENERAL

#### 1.1 DESCRIPTION

##### A. Scope:

Storm sewer shall include all labor, materials, equipment and incidentals for construction of polypropylene pipe (HP Storm or approved equal) surface drainage at the prescribed line and grade. The extent of the polypropylene pipe is as designated in accordance with the plans and specifications.

##### B. Related Work Specified Elsewhere:

1. Section 31 0524, Earthwork.
2. Section 33 4601, Buried Piping Installation.

#### 1.2 QUALITY ASSURANCE

A. Source Quality Control: Obtain pipe and fittings from no more than one manufacturer.

B. Reference Standards: Comply with the latest editions of the following:

1. AASHTO M330 or ASTM F2881: Standard Specification for Pipe Requirements for Pipes 12" to 60" Diameter.
2. ASTM D2321: Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Glow Applications.
3. ASTM F2881 or AASHTO M330: Standard Specification for Plastic Pipe and Fittings Materials.
4. ASTM D3212 Watertight Joint Performance Requirements.
5. ASTM F477: Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe.

#### 1.3 SUBMITTALS

A. Shop Drawings and Product Data: Comply with the general requirements of Section 01 3323. Submit detailed drawings and data on pipe, fittings, gaskets and appurtenances in conjunction with Shop Drawings required under Section 01 3323.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

##### A. General:

The prescribed sizes of pipe are nominal inside diameters. Pipe sizes shall be of the size and length as shown on the plans.

B. Polypropylene Pipe:

1. The product supplied under this specification shall be polypropylene pipe for 12" to 60" diameters meeting AASHTO M330 pr ASTM F2881.
2. Material shall meet ASTM F2881, Section 5 and AASHTO M330, Section 6.1.
3. Flow calculations shall be based on Manning's "n" value of 0.012.

C. Joints and Fittings:

1. Joints shall consist of a bell and spigot type joint with an O-ring rubber gasket meeting ASTM F477 placed on the spigot end. At least two (2) corrugations of the spigot end must insert into the bell end.
2. Pipe fittings shall conform to AASHTO M330 pr ASTM F2881 or as designated by the Engineer.
3. The joint shall be watertight according to the requirements of ASTM D3212.

2.2 MANUFACTURER

- A. Polypropylene compound for pipe and fittings production shall be impact modified copolymer meeting the material requirements of ASTM F2881, Section 5 and AASHTO M330, Section 6.1.

**PART 3 - EXECUTION**

3.1 INSPECTION

- A. All delivered pipe shall be inspected. Damaged pipe will not be accepted.

3.2 INSTALLATION

- A. Installation shall be in accordance with ASTM D2321, pipe manufacturer recommended installation guidelines and as specified in Section 33 4601.

END OF SECTION 40 0534



**SIGN IN SHEET**  
**Bureau of Building, Grounds and Real Property Management**

<b>DATE:</b> 07/20/2023	<b>PROJECT NAME:</b> ARPA Infr. – WGCF Storm
<b>MEETING FOR:</b> GS: 320-071	<input checked="" type="checkbox"/> BOB <input type="checkbox"/> Professional <input type="checkbox"/> Using Agency
<b>REQUESTED BY:</b>	<b>PURPOSE OF MEETING:</b> Pre-Bid

NAME (Please Print)	COMPANY OR ORGANIZATION	WORK NO.	CELL NO.	EMAIL ADDRESS
Heith Newman <i>HND</i>	BOB	601-359-3887	601-622-7245	heith.newman@dfa.ms.gov
Barney Poole <i>BP</i>	MDOC	601-507-2338		barney.poole@mdoc.state.ms.us
<i>Walt Stewart</i>	<i>Stewart Environmental</i>	<i>602-841-9202</i>	<i>602-210-9258</i>	<i>walt@stewartenvironmental.com</i>
<i>Andy Edgar</i>	<i>Edgar Contracting</i>	<i>601-540-4870</i>		<i>andy@edgarcontracting.com</i>
<i>Jamie Watkins</i>	<i>MDOC</i>	<i>601-201-0198</i>		<i>JWatkins@mdoc.state.ms.us</i>
<i>Danny Ryki</i>	<i>Neel-schaffer</i>	<i>601-899-8119</i>	<i>601-502-5306</i>	<i>Danny.Ryki@neel-schaffer.com</i>
<i>BARNEY POOLE</i>	<i>MDOC</i>		<i>601.507.2338</i>	<i>BARNEY.POOLE@MDOC.STATE.MS.US</i>
<i>BRADY SISTRUNK</i>	<i>MDOC - VIA PHONE</i>			<i>BRADYSISTRUNK@MDOC.STATE.MS.US</i>

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*Note: Parking is limited, bidders will be required to pass through security, the official time clock is behind reception's desk of the Woolfolk Bldg on the 14<sup>th</sup> floor, and no bids will be accepted after 2:00:00 pm.*

**GS# 320-071**

**Project Name: ARPA Infr. – WGCF Storm**

**Bid Date: Thursday, August 10, 2023**

## **PRE-BID AGENDA INSTRUCTIONS TO BIDDERS**

### **SECTION 00100**

#### **PART 1 - GENERAL**

- 1.01 QUESTIONS:** Questions should be directed to the Professional. Should a Bidder find discrepancies in or omissions from, the Drawings or Project Manual, or be in doubt as to their meaning, the Bidder should immediately notify the Professional. The Professional will send written instruction(s) or interpretation(s) to all known holders of the documents. Neither the Owner, nor the Professional, will be responsible for any oral instruction or interpretation.
- 1.03 NON-RESIDENT BIDDER:** When a non-resident Bidder (a Contractor whose principal place of business is outside the State of Mississippi) submits a bid for a Mississippi public works project, one of the following is required and shall be submitted with the Proposal Form:
- A. Copy of Law: If the non-resident Bidder's state has a resident Bidder preference law, a copy of that law shall be submitted with the Proposal Form.
  - B. Statement: If the state has no such law then a statement indicating *the State of (Name of State) has non-resident Contractor preference law* shall be submitted with the Proposal Form.
- 1.08 OBLIGATION OF BIDDER:** At tile bid opening, each Bidder will be presumed to have inspected the site, read and become thoroughly familiar with the Drawings and the Project Manual, including all addenda.

#### **PART 2- PROPOSAL FORM**

- 2.02 PROPOSAL FORMS:** The Bidder shall make all proposals on forms provided and shall fill all applicable blank spaces without interlineations or alteration and must not contain recapitulation of the work to be done. No oral or telegraphic proposals will be considered.
- *Make sure your name at Secretary of State and Contractor's Board match.*
- 2.06 ADDENDA:** Any addenda to the Drawings or Project Manual issued before or during the time of bidding shall be included in the proposal and become a part of the Contract. The Proposal Form will have ample space to indicate the receipt of addenda. When completing the Proposal Form, the Bidder shall list the Addendum number and the date received in spaces provided.
- *Note that all addenda's will be issued NO LATER THAN (48) forty-eight hrs before bid time. (8/7/23)*
  - *Ask Professional if any addenda's are planned.*

#### **PART 4 - BID OPENING AND AWARD OF CONTRACT**

- 4.03 PROTEST:** Any protest must be delivered in writing to the Owner within twenty-four (24) hours after the bid opening.
- *Do not send any protest or errors to the project professional, both must be sent to Owner.*
- 4.04 ERRORS:** Any claim of error and request for release from bid must be delivered in writing to the Owner within twenty-four (24) hours after the bid opening. The Bidder shall provide sufficient documentation with the written request clearly proving an error was made.

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### **Division 0**

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## PART 5 - BIDDER'S CHECKLIST

The following checklist is for the Bidder's assistance only. It is not inclusive and is **not a part of the bid documents**; therefore, this checklist should not be included with the Proposal Form when submitting a bid proposal.

5.01 **PROPOSAL FORM:** (only one original proposal form to be submitted) (also see 3.01 and 600.42 of Manual)  
**Base Bid**

Write in the amount of the base bid in words and numbers. The written word shall govern.

**Alternates**

Write in each alternates amount in words and numbers. The written word shall govern.

**Addenda**

Acknowledge the receipt of each addendum by writing in the number of the addendum and the date received.

**Acceptance**

Proposal is signed by authorized person

Name of Business - complete spelling of bidder's name and address - exact as recorded at the Secretary of State

[<http://www.sos.state.ms.us/busserv/corp/soskb/csearch.asp>] which should be the same as you applied for at the Mississippi State Board of Contractors [<http://www.msbc.org/Search2.CFM>] (see 2.07, 3.01, 5.01, proposal form)

Legal address of the business listed above (at SOS and Contractor's Board)

Correct Certificate of Responsibility Number(s) as it appears in the current Mississippi State Board of Contractors Roster

**Certificate of Responsibility Number(s) on envelope (see below for on proposal form)**

Base Bid is under \$50,000 and no number is required

Base Bid is under \$50,000 and the statement "bid does not exceed \$50,000" is on the outside of the sealed envelope

Base Bid is over \$50,000 and number is required

Joint Venture and *joint venture* number is required

**OR**  Joint Venture participants' numbers are required

5.02 **BID SECURITY:**

Included Bid Bond

**OR**  Included Certified Check

5.03 **POWER OF ATTORNEY:**

Included Power of Attorney

5.04 **NON-RESIDENT BIDDER:**

Attached a Copy of Non-Resident Bidder's Preference Law

**OR**  Attached a Statement

5.05 **SUB-CONTRACTORS NAME Refer to 1.04 for responsiveness**

List your Mechanical and Electrical Contractors regardless of cost

\* List name even for under \$50,000

\* Fire Protection Sprinkler Contractors do not have to be listed

\* If there is a separate HVAC/Plumbing Contractor, so notate as mentioned herein

\* If Mechanical, Plumbing, and/or Electrical Contractor is performed by the General, be sure the General has a COR for said discipline and list General's name on the line and COR number mentioned herein

**OR** \* If there is no Mechanical, Plumbing, and/or Electrical Contractor, so notate "none" on the line

5.06 **SUB-CONTRACTORS' COR NUMBER Refer to 1.04 for responsiveness**

\* List Certificate of Responsibility Number for over \$50,000.00 (also allowed, but not required, for under \$50,000)

\* If under \$50,000 – so notate on the COR line "under \$50,000" (or can still show COR#)

**OR** \* If there is no Mechanical, Plumbing, and/or Electrical in Divisions 15 or 16, so notate "none" on the name line and the COR# line as mentioned herein

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### Division 0

## Senate Bill 3062, Laws of 2022

### DFA – Bureau of Building, Grounds and Real Property Management

## Miscellaneous Requirements – ARPA (PRE-BID)

1. **Suspension/Debarment:** Prior to any award, the Owner will verify that the potential vendor is not suspended or debarred according to SAM.gov (<https://sam.gov/search>)
2. **Affirmative Steps:** All necessary steps must be taken to assure that minority business enterprises, women's business enterprises, and labor surplus area firms are used when possible. The invitation to bid has been posted on the State Procurement Portal, advertised in the newspaper and e-mailed to list of MBE/WBE entities provided by MDA. The following are the affirmative steps identified by the Federal Government:
  - a. Including qualified women's business enterprises and small and minority businesses on solicitation lists;
  - b. Assuring that women's enterprises and small and minority businesses are solicited whenever they are potential sources;
  - c. When economically feasible, dividing total requirements into smaller tasks or quantities so as to permit maximum participation by small and minority business, and women's business enterprises;
  - d. When the requirement permits, establishing delivery schedules which will encourage participation by women's businesses enterprises and small and minority business;
  - e. Using the services and assistance of the Small Business Administration, and the U.S. Office of Minority Business Development Agency of the Department of Commerce; and
  - f. If any subcontracts are to be let, requiring the prime Contractor to take the affirmative steps in a through e above.
3. **Domestic Preference:** This is not the Buy American Act. ARPA construction contracts include Section 00 7300 ARPA Supplementary Conditions referencing 2 CFR Section 200.322 which addresses the use of domestic products as appropriate and to the extent consistent with law, to the greatest extent practicable, and binds the Contractor to these requirements. Section 01 6000 Substitutions and Product Options includes language addressing procedures regarding use of non-domestic products.
4. **Recovered Materials:** ARPA construction contracts include Section 00 7300 ARPA Supplementary Conditions referencing 2 CFR Section 200.323 which addresses compliance with the Solid Waste Disposal Act that requires use of products containing the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, and binds the Contractor to these requirements. Section 01 6000 Substitutions and Product Options includes language addressing procedures regarding use of products with less recovered content.
5. **UEI:** All entities that will receive ARPA funds must have a current Unique Entity Identifier (UEI). This is not required at time of receipt of bids but will be necessary prior to making bid award, so bidders are encouraged to obtain a UEI number at SAM.gov if they do not already have one.

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## ATTACHMENT B

### WALNUT GROVE CORRECTIONAL FACILITY GS #320-071 ARPA INFR. WGCF STORM WALNUT GROVE, MISSISSIPPI

#### PRE-BID MEETING AGENDA (CIVIL ITEMS) JULY 20, 2023

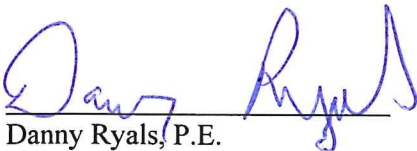
1. Welcome and Introduction
2. Advertisement for Bids
  - a. Date, time, and place of bid opening (08/10/23 at 2:00 p.m., Bureau of Building Suite 1401 B 501 North West Street Jackson, Mississippi)
  - b. Contract Time (180 calendar days)
  - c. Liquidated Damages (\$250 per day)
  - d. Contact Information (Danny Ryals, phone number 601-898-8118, email danny.ryals@neel-schaffer.com)
3. Commencement and Time of Completion – Commencement and time of completion will be noted in the Notice to Proceed.
4. Pre-Construction Conference – The date of the first Pre-Construction Conference will be noted in the Notice to Proceed.
5. Construction Items:
  - a. The Contractor will be responsible for preparing a SWPPP.
  - b. The Contractor shall notify the Correctional Facility on-site representative and the Engineer's inspector 7 days in advance of the initial work area.
  - c. SWPPP, permits and shop drawings shall be approved by the appropriate agency and a copy of said approval presented to the Correctional Facility on-site representative and the Engineer's inspector before commencing construction.
  - d. The Contractor should notify the Correctional Facility on-site representative and the Engineer's inspector 7 days in advance before starting a new phase of construction.
  - e. Only one breach point in the perimeter security fence can work be performed. An armed guard will be provided by the Correctional Facility when working at a breach point. The security fence cannot be cut or taken down. Installation of pipe at the security fence shall be done by trenching under the fence and sliding the pipe under the fence.
  - f. All equipment, materials, debris, along with workers will be removed from within the security fence at the end of each day.
  - g. It will be the responsibility of the Contractor to locate utilities within the work zone and be responsible for all damage that might occur to these utilities.
  - h. The Contractor shall submit shop drawings of all storm drainage inlets, junction boxes, headwalls, flared end section, etc. to the Engineer for approval before ordering material.
  - i. All grates shall be traffic rated and lockable as noted on the plans. Contractor to submit shop drawings to Engineer and Correctional Facility for approval before ordering material.
  - j. All areas to be grass shall be hydro seeded.
  - k. All pipes are to be ADS HP Storm Pipe or approved equal.

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- l. All inlets are to be ADS NYLOPLAST or approved equal unless otherwise noted on the plans.
  - m. Downspouts will be connected to the storm drainage system by watertight downspout adaptors/boots.
  - n. Grading near the security fence will be flush with the top of concrete security fence pad.
  - o. The security perimeter road can be cut to allow the installation of the storm drainage pipe, but the road will have to be open for traffic at the end of each day. The Contractor shall notify the Correctional Facility on-site representative and Engineer's inspector 7 days before cutting the roadway.
  - p. Stockpile areas and temporary office (if one is to be used) location shall be designated by the Correctional Facility on-site representative.
  - q. No metal pin or clips can be used to anchor wattles, but wooden stakes are acceptable.
  - r. 1" stainless steel bars shall be required at the downstream end of each storm drainage pipe system embedded in the headwall of the flared end section as shown on the details.
  - s. No open trench can be left open at the end of each workday. A temporary connection between the old pipe and the new pipe shall be made at the end of each workday to allow drainage from the site.
  - t. Temporary Sanitary Facilities
  - u. Construction Debris Disposal
  - v. Work Hours
  - w. MBE/WBE Requirements
6. Questions and Answers
  7. Discuss Site Visit
  8. Adjourn



- 
4. **Commencement and Time of Completion:** Contract time will commence on date noted in Notice to Proceed letter and shall be completed within 180 calendar days.
  5. **Pre-Construction Conference:** A pre-construction conference time and location will be noted in the Notice to Proceed letter.
  6. **Discrepancies:** If the Contractor finds any discrepancy between the Contract Documents and the physical conditions of the locality, or any errors and omissions in the Contract Documents, then Contractor shall immediately notify the Engineer in writing.
  7. **Other Topics:**
    - a. The Contractor will coordinate with the Owner's on-site representative for all aspects phases of this project.
    - b. The Contractor will provide the Owner and Engineer with a construction schedule before commencing work. The Contractor will notify the Owner's and Engineer's on-site representative seven days of any change of work noted on the schedule.
    - c. It will be the responsibility of the Contractor to prepare and get approval from the Mississippi Department of Environmental Control (MDEQ) for the Storm Water Pollution Prevention Plan (SWPPP) for this project.
    - d. Erosion Control: Contractor shall be responsible for installing and maintaining erosion control measures in accordance with the Plans and Specifications.
    - e. Temporary Sanitary Facilities: Contractor shall provide their own temporary sanitary facilities.
    - f. Construction Debris Disposal: Contractor shall be responsible for disposal of construction debris legally office.
    - g. Work Hours: Work hours are flexible, but they are subject to the Owner's approval. Work time will be designated during the Pre-Construction Conference.
    - h. MBE/WBE Requirements: There are no requirements, but the Contractor will try and make a concerted effort to include MBE/WBE. These efforts need to be documented.
    - i. Stockpile site: Stockpile site will be designated by the Owner.
    - j. The perimeter security road can be cut for the installation of the drainage pipe, but the road will have to be open at the end of each day for traffic.
  8. **Questions and Answers:**

There were no questions that were asked by the attendees.
  9. **Discuss Site Visit:** Attendees were given a tour of the project site after the pre-construction meeting by Mr. Ryals. All the attendees did visit the site after the meeting and there were no additional questions asked.
  10. **Adjourn:** The meeting was adjourned after the site visit.



Danny Ryals, P.E.

pc: Attendees  
Plan Holders  
File

**GENERAL NOTES**

- All areas that are disturbed by the Contractors operations and are not covered by improvements are to receive topsoil, fertilizer, seed/sod, and mulch as indicated on the vegetation schedule and be watered until a healthy stand of grass is obtained.
- The Contractor is responsible for repair of damage caused to any existing improvements by his operations, such as, but not limited to, drainage, utilities, pavement, striping, curbs, etc. Repairs shall be equal to or better than existing conditions.
- Construction shall comply with all applicable codes.
- Horizontal Datum on these plans is based upon Mississippi State Plane Coordinates, East Zone (NAD 83).
- Vertical Datum on these plans is NAVD 88.
- Construction survey and staking shall be the responsibility of the Contractor.
- Borrow material if required, shall be placed, compacted and tested as specified in the specifications.
  - Imported fill material will have properties to allow compaction by rolling and tamping to a density equal to 95% of maximum density within +3% of optimum moisture content as determined by test methods described in ASTM D698, Latest Edition, "Moisture Density Relationship of Soils". If excavated material is unsuitable for compaction as determined by the soils testing laboratory, furnish suitable borrow which can be compacted from an off-site source. All fill and backfill materials shall meet the recommendations noted in the specifications.
  - Soft spots in the subgrade should be removed and replaced as described in the specifications. The top 6 inches of natural ground should be scarified and compacted to 95% ASTM D698 prior to fill placement.
  - Cut or fill and machine grade site as shown on the drawings to drain as indicated, allowing for the thickness of paving subbase and the paving. Where fill is required, use laboratory approved suitable clean material. Place in horizontal lifts not in excess of 9" thick loose lifts and compacted to 95% of maximum density within 3% of optimum moisture content with stability present.
- All construction and demolition debris shall become property of the contractor and shall be removed from the site and disposed of in a legal manner. All demolition debris shall be removed at the end of each day of work.
- Existing trees shall be protected from damage, as necessary.

**NOTE:**

Before undertaking each part of the work, the Site Contractor shall carefully study and compare the plans and specifications. The Contractor shall also check and verify pertinent figures shown thereon as well as all applicable field measurements. If any conflicts, errors, discrepancies, or other unsatisfactory conditions are discovered either in the construction documents or in the field. The Contractor shall promptly report in writing to the Engineer, and shall obtain a written interpretation of clarification from the Engineer before proceeding with any work affected thereby.

**UTILITY NOTES**

- The Site Contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies, and where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The Site Contractor must call the appropriate utility company at least 48 hours before excavation to request exact field location of utilities. It shall be the responsibility of the Site Contractor to relocate all existing utilities which conflict with proposed improvements shown on the plans.
- The Contractor shall be responsible for calling Mississippi-811 at 1-800-227-6477 to verify the location of all existing utilities. The Contractor shall be responsible for damages to existing utilities to remain and for all interruptions caused as a result of his work.
- The Contractor to coordinate exact location of utilities with the owner.

**EROSION CONTROL NOTES**

- Erosion control measures shall be installed as shown on plans. These shall be maintained in good condition until pavements are installed and vegetation is well established.
- All areas disturbed by work under this contract, which are not covered by structures or paving, shall be revegetated by landscaping, sodding or seeding and mulching. Seeding and mulching shall be in accordance with vegetation schedule on this sheet.
- The Contractor shall maintain all silt fence and erosion control measures for the duration of the project. Items shall be replaced as necessary and silt shall be removed as indicated in the storm water pollution prevention plan.
- Any areas that are disturbed by rough grading and will not be revegetated or used for additional construction within 14 days shall receive temporary seeding and mulch.
- Stockpile topsoil in storage piles in areas designated by the Owner's representative. Construct storage piles to provide free drainage of surface runoff away from the stockpile. Cover stockpile as to prevent wind erosion. A silt fence shall be installed around the perimeter of the stockpile as to prevent erosion from rainfall.
- The Contractor shall prepare a Storm Water Pollution Prevention Plan (SWPPP) and submit it to the owner for review. The SWPPP shall be developed in accordance with the Mississippi Department of Environmental Quality's (MDEQ) Mississippi Storm Water Pollution Prevention Plan (SWPPP) Guidance Manual For Construction Activities which can be found at the following web address:

[http://www.deq.state.ms.us/mdeq.nsf/pdf/epd\\_conquidman/\\$File/ConstructionGM.pdf?OpenElement](http://www.deq.state.ms.us/mdeq.nsf/pdf/epd_conquidman/$File/ConstructionGM.pdf?OpenElement)

The Contractor shall not begin any work on the site until the owner has approved the SWPPP. Prior to beginning work, the Contractor shall submit all required notices to the MDEQ. The Contractor shall be responsible for monitoring erosion control measures, performing all required inspections and documenting the results.

**SITE PLAN NOTES**

- All unsurfaced areas are to receive four inches of topsoil and seeding or sod (as designated on drawing number C06.0 thru C06.8 Site Grassing Plan) and shall be watered until a healthy stand of grass is obtained as indicated on the vegetation schedule.
- The Contractor is responsible for protecting existing benchmark.
- The Contractor shall be responsible for all relocations, including but not limited to all utilities, storm drainage, signs, traffic signals & poles, etc. as required for construction of this project. All work shall be in accordance with governing authorities specifications and shall be approved by such.
- All necessary permits and approvals from agencies governing the construction of this work shall be secured prior to beginning construction by the Contractor.
- The Contractor shall match existing pavement in grade and alignment at connections to existing pavement areas.

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STORM DRAINAGE DETAILS	C08.3
PAVEMENT DETAILS	C09.0

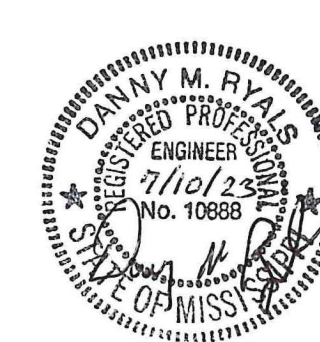
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REVISIONS				DRAWING INFORMATION	
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				SURVEYED BY:	
				DSGN:	CAJ DATE: 04/2023
				DRWN:	DMR DATE: 04/2023
				CHKD:	DATE: 04/2023
				QA/QC:	DATE: 04/2023



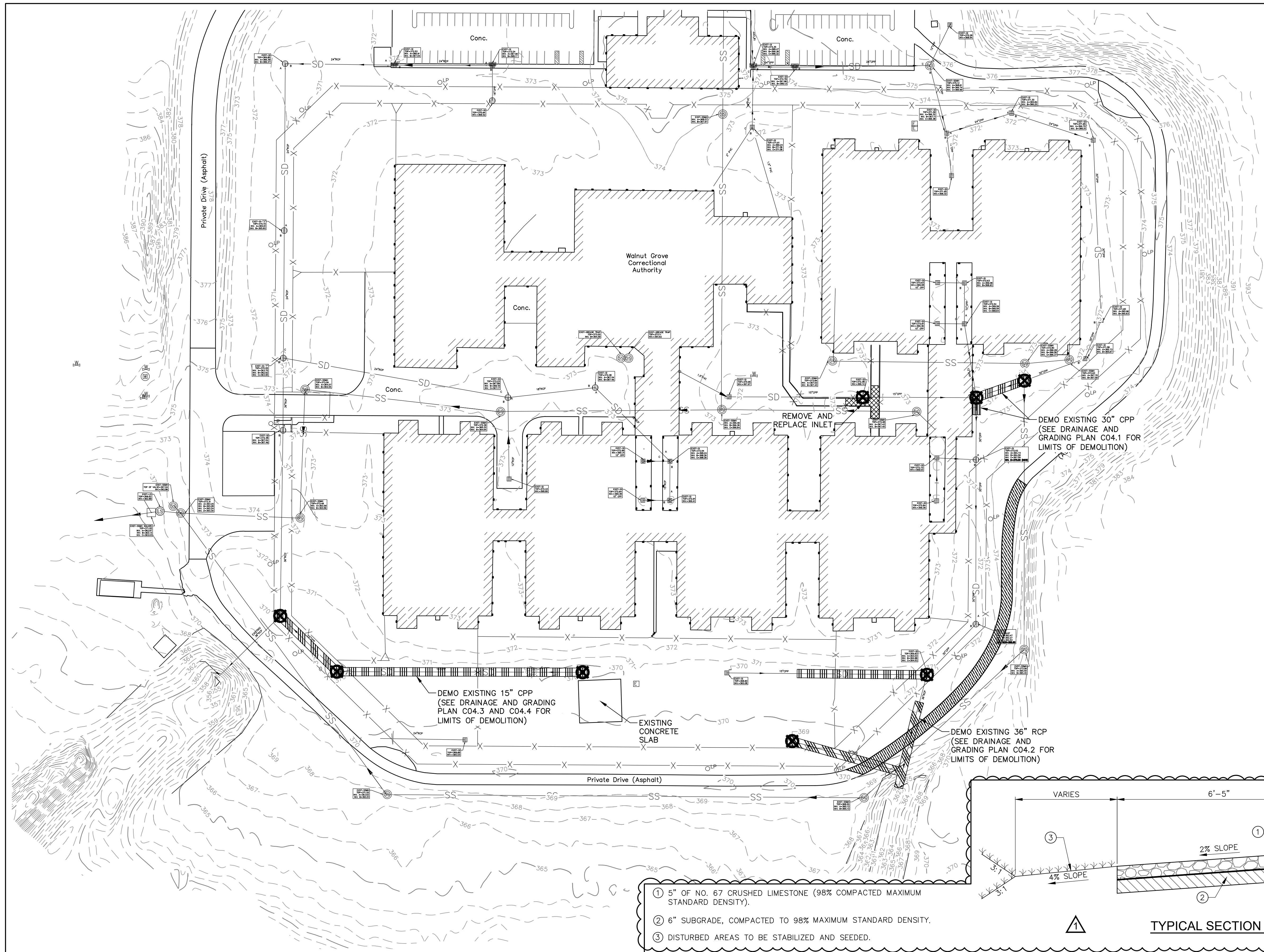
DFA / BUREAU OF BUILDING, GROUNDS AND REAL PROPERTY MANAGEMENT  
501 NORTH WEST STREET,  
SUITE 1401B WOOLFOLK BUILDING  
JACKSON, MISSISSIPPI 39201

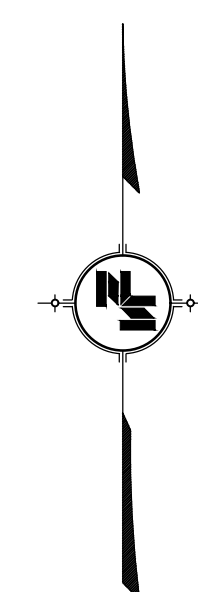


**GENERAL NOTES AND INDEX OF DRAWINGS**

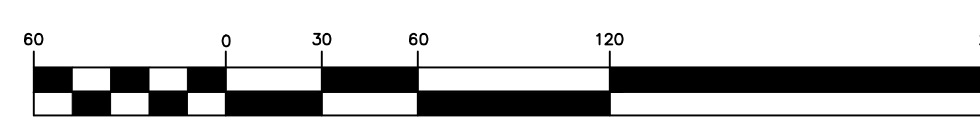
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C01.0



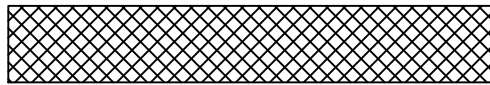





**GRAPHIC SCALE**



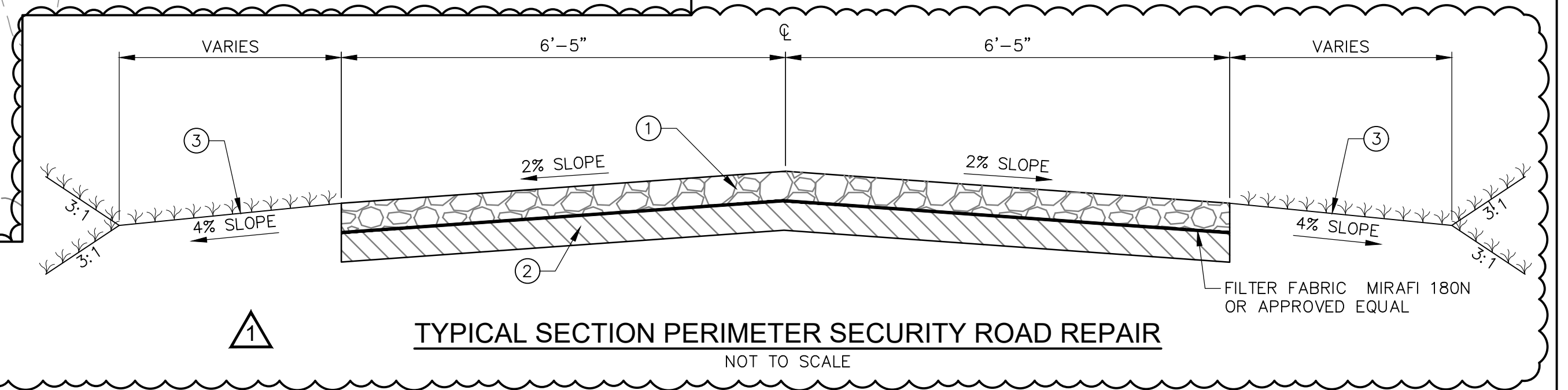
( IN FEET )  
1 inch = 60 ft.

**LEGEND**

-  AREA OF CONCRETE PAVEMENT DEMOLITION
-  DEMOLITION OF EXISTING STORM PIPE
-  AREA OF ROADWAY (ASPHALT) REMOVAL  
(REPLACE SURFACE WITH 5" OF 67 CRUSHED LIMESTONE) (SEE TYPICAL SECTION THIS SHEET)
-  REMOVAL AND REPLACEMENT OF INLET OR JUNCTION BOX

- NOTES:**
1. THE SITE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE SITE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
  2. CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING MISSISSIPPI-811 AT 1-800-227-6477 TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES TO REMAIN AND FOR ALL INTERRUPTIONS CAUSED AS A RESULT OF THIS WORK.
  3. CONTRACTOR TO COORDINATE EXACT LOCATION OF UTILITIES WITH THE OWNER.
  4. ALL EQUIPMENT, MATERIAL, DEBRIS SHALL BE REMOVED FROM WITHIN THE AREA INSIDE OF THE SECURITY FENCE AT THE END OF EACH DAY OF WORK.
  5. ALL CONSTRUCTION AND DEMOLITION DEBRIS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
  6. DEMOLITION OF PIPES AND INLETS SHALL BE COORDINATED WITH NEW PIPES AND INLETS AS TO MAINTAIN POSITIVE DRAINAGE FROM THE BUILDINGS.


- 1 5" OF NO. 67 CRUSHED LIMESTONE (98% COMPACTED MAXIMUM STANDARD DENSITY).
- 2 6" SUBGRADE, COMPACTED TO 98% MAXIMUM STANDARD DENSITY.
- 3 DISTURBED AREAS TO BE STABILIZED AND SEEDDED.



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REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
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				SURVEYED BY:
				DSGN: CAJ DATE: 04/2023
				DRWN: DMR DATE: 04/2023
				CHKD: DATE: 04/2023
				QA/QC: DATE: 04/2023



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501 NORTH WEST STREET,  
SUITE 1401B WOOLFOLK BUILDING  
JACKSON, MISSISSIPPI 39201

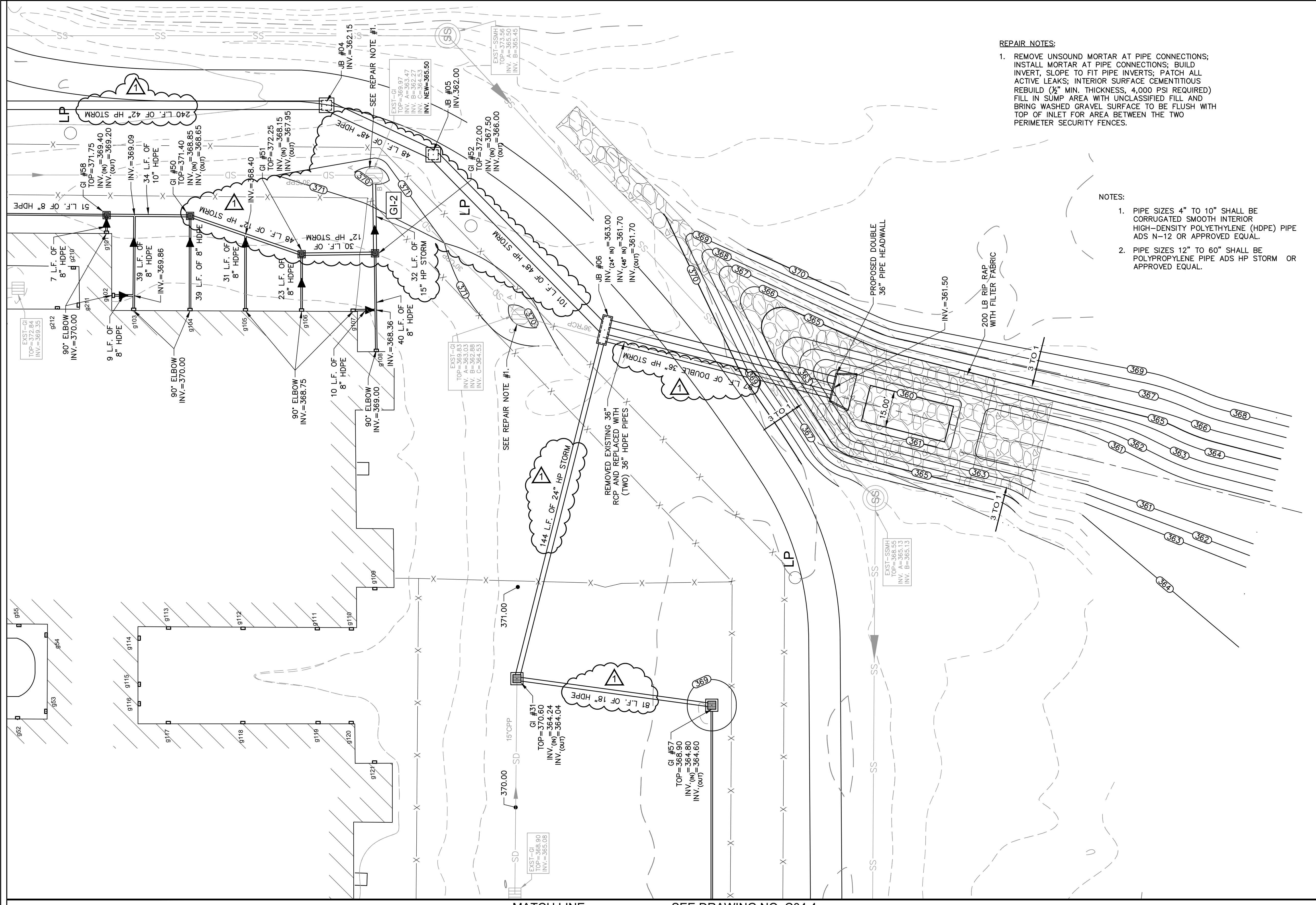
ARPA INFRASTRUCTURE  
GS#: 320-071 ARPA INFR. - WCGF STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023



**SITE DEMOLITION PLAN**

WORKING NUMBER:      DRAWING NUMBER:  
**C03.0**



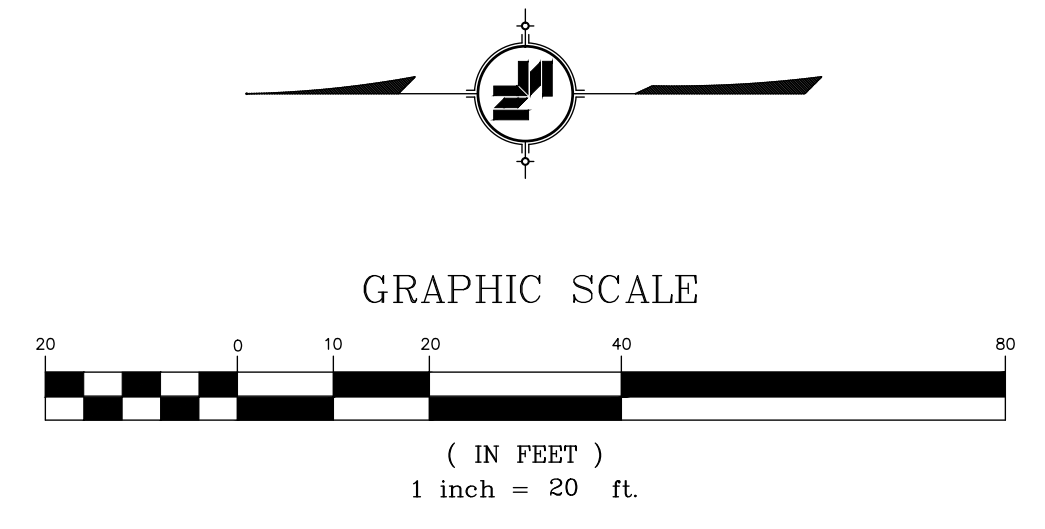


**REPAIR NOTES:**

- REMOVE UNSOUND MORTAR AT PIPE CONNECTIONS; INSTALL MORTAR AT PIPE CONNECTIONS; BUILD INVERT, SLOPE TO FIT PIPE INVERTS; PATCH ALL ACTIVE LEAKS; INTERIOR SURFACE CEMENTITIOUS REBUILD (1/2" MIN. THICKNESS, 4,000 PSI REQUIRED) FILL IN SUMP AREA WITH UNCLASSIFIED FILL AND BRING WASHED GRAVEL SURFACE TO BE FLUSH WITH TOP OF INLET FOR AREA BETWEEN THE TWO PERIMETER SECURITY FENCES.

**NOTES:**

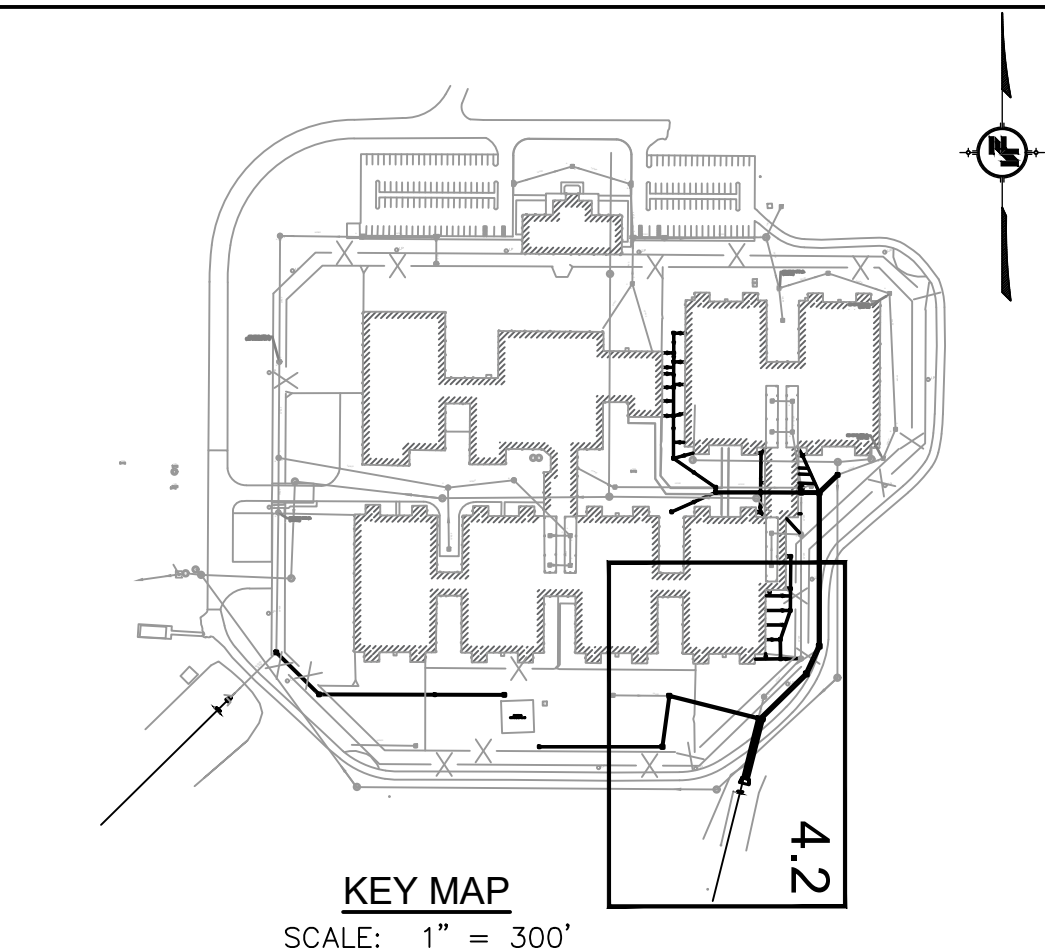
- PIPE SIZES 4" TO 10" SHALL BE CORRUGATED SMOOTH INTERIOR HIGH-DENSITY POLYETHYLENE (HDPE) PIPE ADS N-12 OR APPROVED EQUAL.
- PIPE SIZES 12" TO 60" SHALL BE POLYPROPYLENE PIPE ADS HP STORM OR APPROVED EQUAL.



**LEGEND**

- - - 330 - - -	EXISTING CONTOURS
— 320 —	FINISHED CONTOURS
■	PROPOSED GRATE INLET
⊠	PROPOSED JUNCTION BOX
— — —	PROPOSED DRAINAGE PIPE
- X - X -	EXISTING FENCE
- SD -	EXISTING STORM DRAINAGE PIPE
- SS -	EXISTING SANITARY SEWER PIPE
■	EXISTING GRATE INLETS
⊙	EXISTING STORM MANHOLE
⊙	EXISTING SANITARY SEWER MANHOLE
□ g80	EXISTING DOWNSPOUT
○ LP	EXISTING LIGHT POLE
[Pattern]	200 LB RIP-RAP WITH FILTER FABRIC

NOTE: SEE DRAWING NO. C04.3 FOR GRATE INLET AND JUNCTION BOX GRATE OR COVER SIZES.



MATCH LINE SEE DRAWING NO. C04.4

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	07/28/23	DMR	REVISED PIPE TYPE AND NOTE FOR SIZES.

DRAWING INFORMATION	
N-S PROJECT NO.:	NS.17225.105
FILENAME:	17225-WG-Drain.dwg
SCALE:	AS ANNOTATED
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DRWN:	DATE: 04/2023
CHKD:	DATE: 04/2023
QA/QC:	DATE: 04/2023



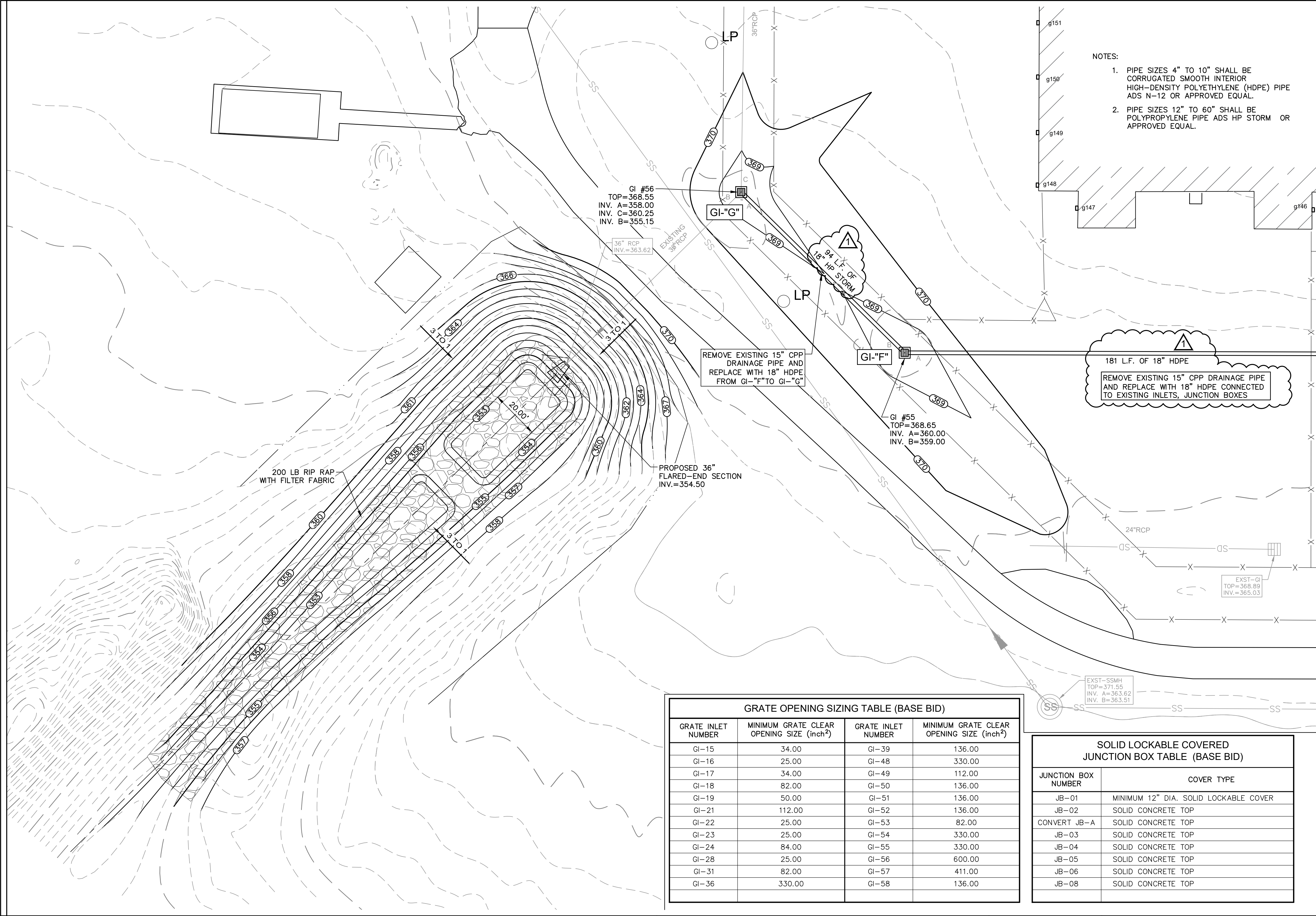
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 GS#: 320-071 ARPA INFR. - WGCF STORM  
 WALNUT GROVE CORRECTIONAL FACILITY  
 APRIL 2023

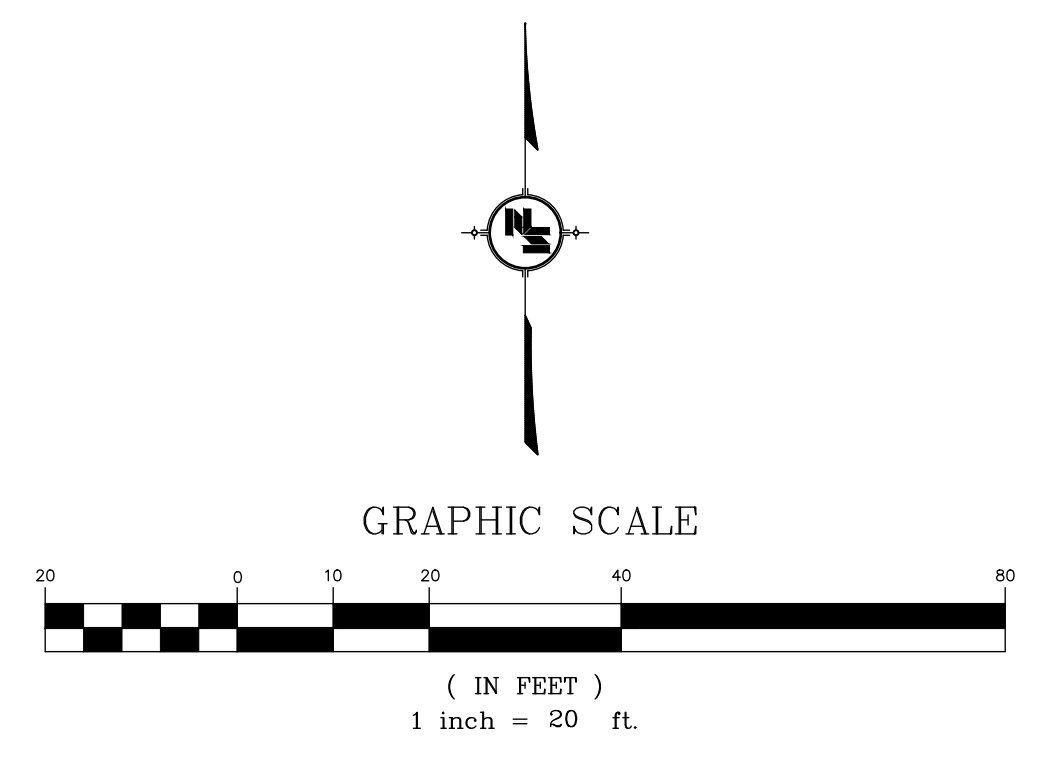


**SITE DRAINAGE AND GRADING PLAN (BASE BID)**

WORKING NUMBER: DRAWING NUMBER:  
**C04.2**



- NOTES:
- PIPE SIZES 4" TO 10" SHALL BE CORRUGATED SMOOTH INTERIOR HIGH-DENSITY POLYETHYLENE (HDPE) PIPE ADS N-12 OR APPROVED EQUAL.
  - PIPE SIZES 12" TO 60" SHALL BE POLYPROPYLENE PIPE ADS HP STORM OR APPROVED EQUAL.



**LEGEND**

- - - 330 - - - EXISTING CONTOURS
- 320 — FINISHED CONTOURS
- PROPOSED GRATE INLET
- ⊕ PROPOSED JUNCTION BOX
- PROPOSED DRAINAGE PIPE
- x - x - EXISTING FENCE
- SD EXISTING STORM DRAINAGE PIPE
- SS EXISTING SANITARY SEWER PIPE
- ○ EXISTING GRATE INLETS
- ⊙ EXISTING STORM MANHOLE
- ⊙ EXISTING SANITARY SEWER MANHOLE
- g80 EXISTING DOWNSPOUT
- LP EXISTING LIGHT POLE
- ▨ 200 LB RIP-RAP WITH FILTER FABRIC

SEE DRAWING NO. 04.4  
MATCH LINE

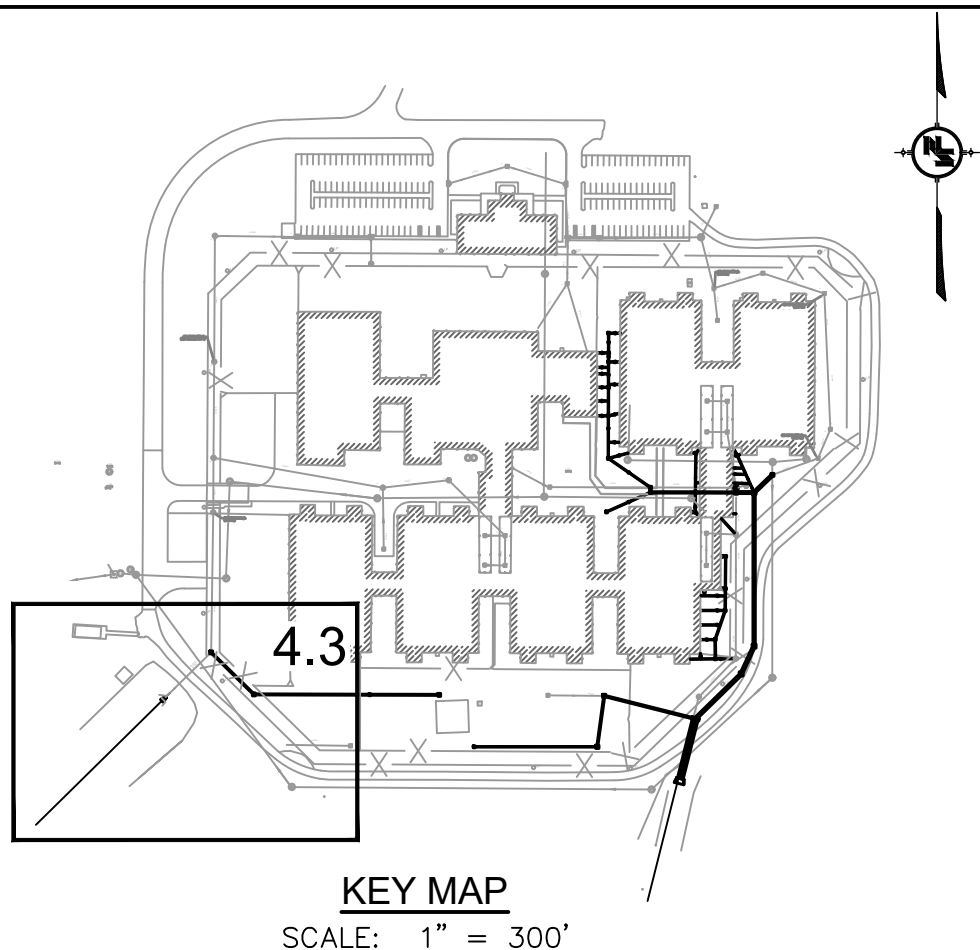
NOTE: SEE THIS DRAWING FOR GRATE INLET AND JUNCTION BOX GRATE OR COVER SIZES.

**GRATE OPENING SIZING TABLE (BASE BID)**

GRATE INLET NUMBER	MINIMUM GRATE CLEAR OPENING SIZE (Inch <sup>2</sup> )	GRATE INLET NUMBER	MINIMUM GRATE CLEAR OPENING SIZE (Inch <sup>2</sup> )
GI-15	34.00	GI-39	136.00
GI-16	25.00	GI-48	330.00
GI-17	34.00	GI-49	112.00
GI-18	82.00	GI-50	136.00
GI-19	50.00	GI-51	136.00
GI-21	112.00	GI-52	136.00
GI-22	25.00	GI-53	82.00
GI-23	25.00	GI-54	330.00
GI-24	84.00	GI-55	330.00
GI-28	25.00	GI-56	600.00
GI-31	82.00	GI-57	411.00
GI-36	330.00	GI-58	136.00

**SOLID LOCKABLE COVERED JUNCTION BOX TABLE (BASE BID)**

JUNCTION BOX NUMBER	COVER TYPE
JB-01	MINIMUM 12" DIA. SOLID LOCKABLE COVER
JB-02	SOLID CONCRETE TOP
CONVERT JB-A	SOLID CONCRETE TOP
JB-03	SOLID CONCRETE TOP
JB-04	SOLID CONCRETE TOP
JB-05	SOLID CONCRETE TOP
JB-06	SOLID CONCRETE TOP
JB-08	SOLID CONCRETE TOP



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REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.:	NS.17225.105
1	07/28/23	DMR	REVISED PIPE TYPE AND NOTE FOR SIZES.	FILENAME:	17225-WG-Drain.dwg
				SCALE:	AS ANNOTATED
				SURVEYED BY:	
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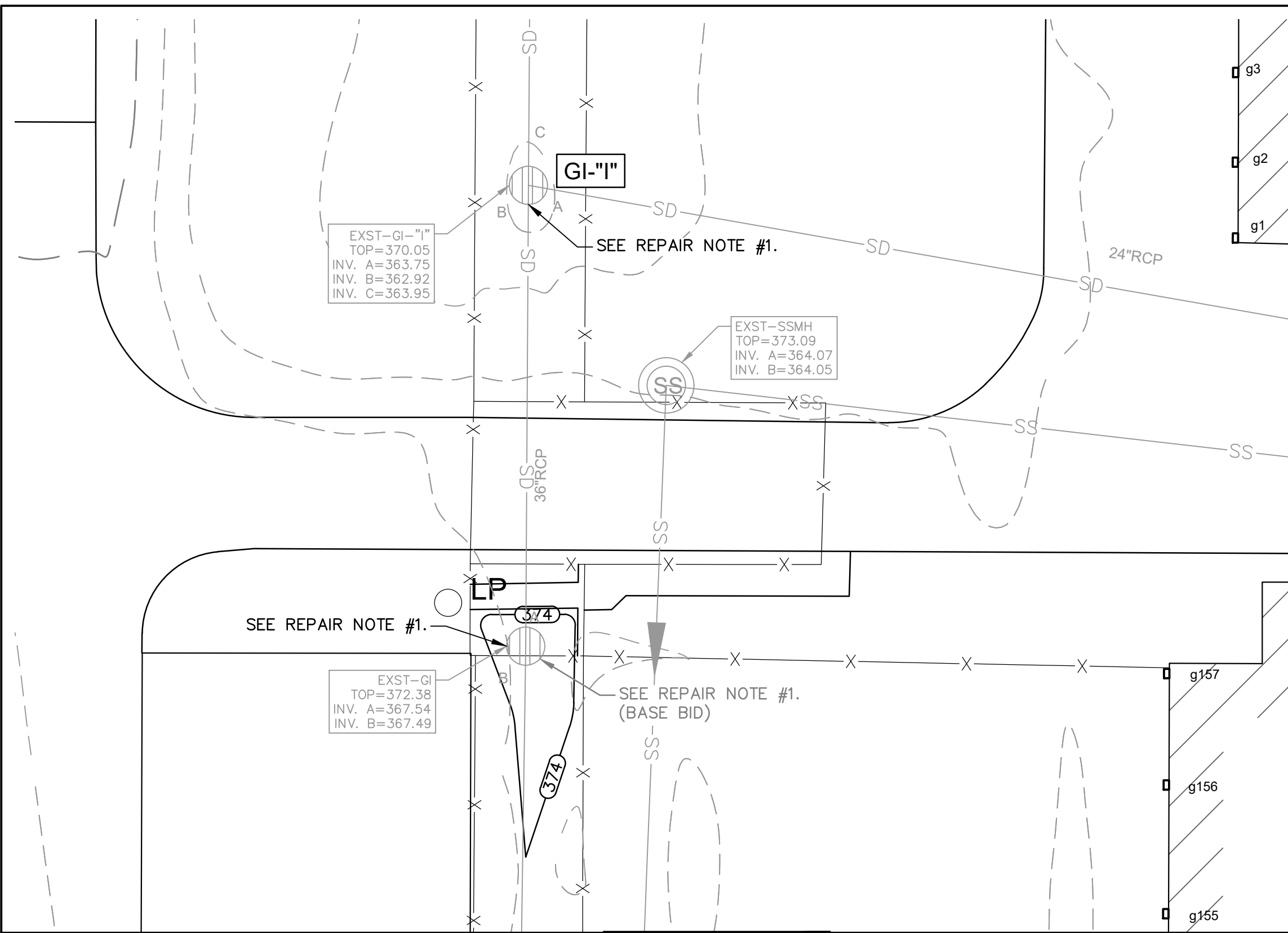
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JACKSON, MISSISSIPPI 39201

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GS#: 320-071 ARPA INFR. - WGCF STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023

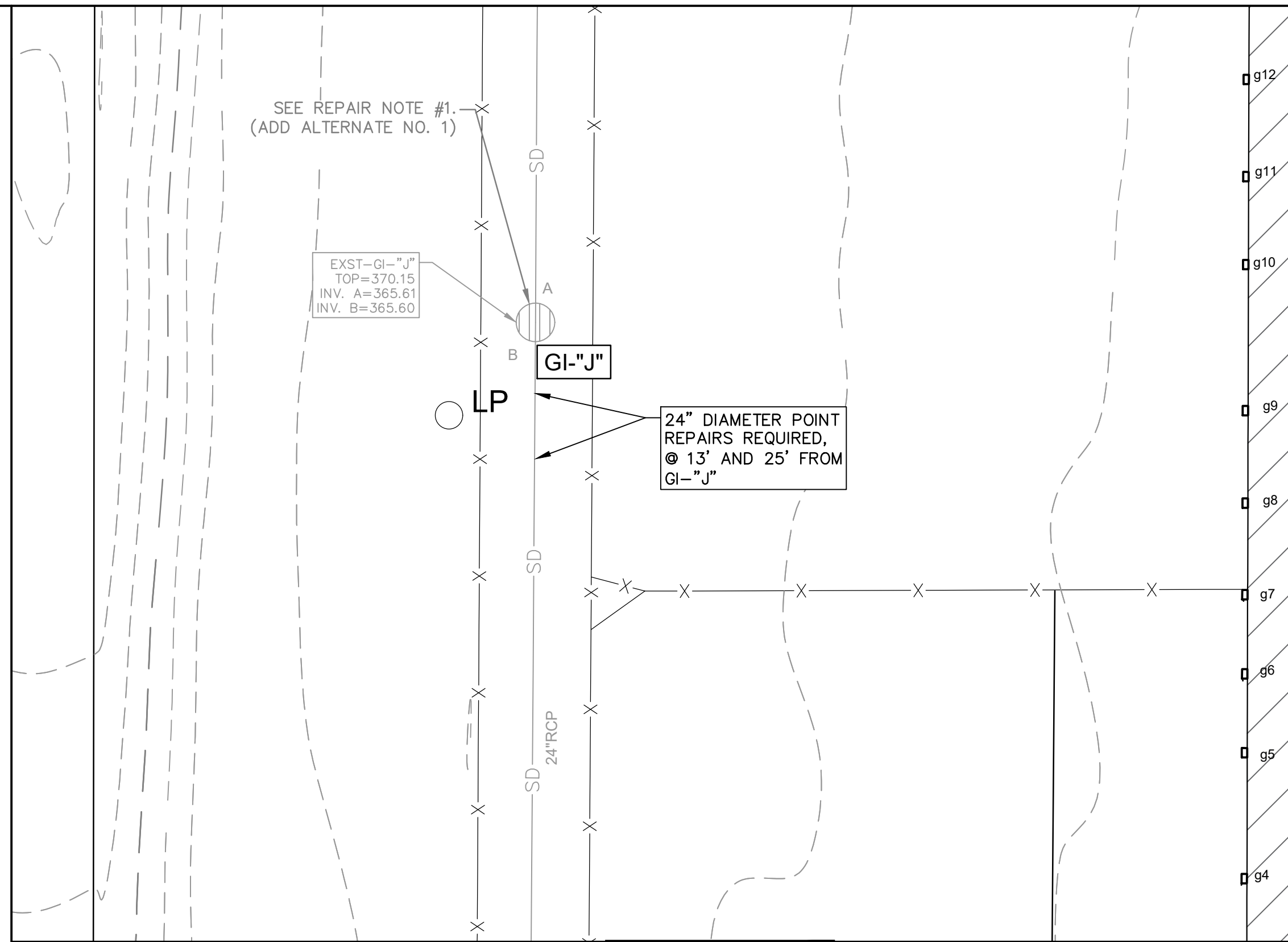


**SITE DRAINAGE AND GRADING PLAN (BASE BID)**

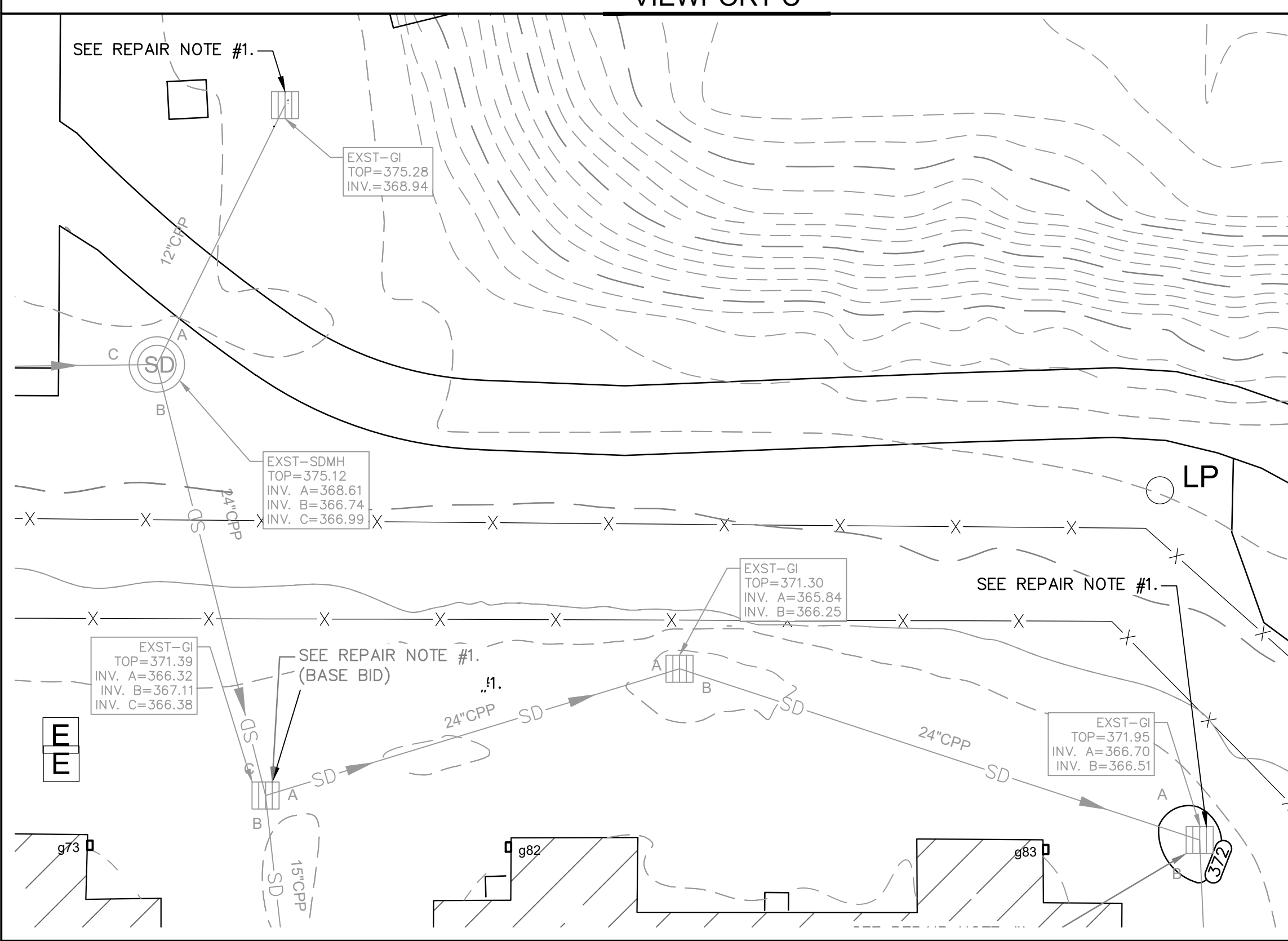
WORKING NUMBER: \_\_\_\_\_ DRAWING NUMBER: **C04.3**



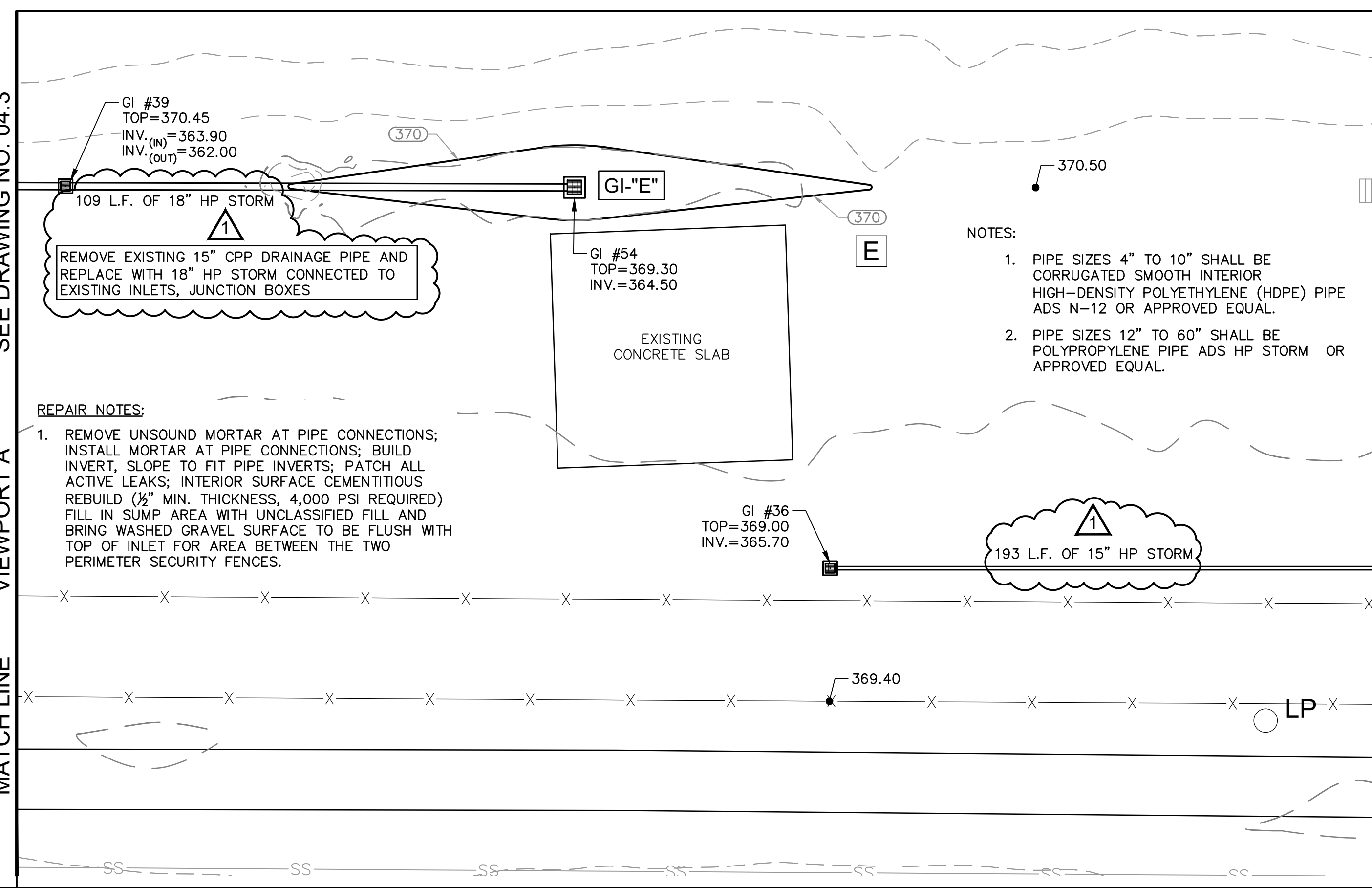
VIEWPORT B



VIEWPORT D



VIEWPORT C

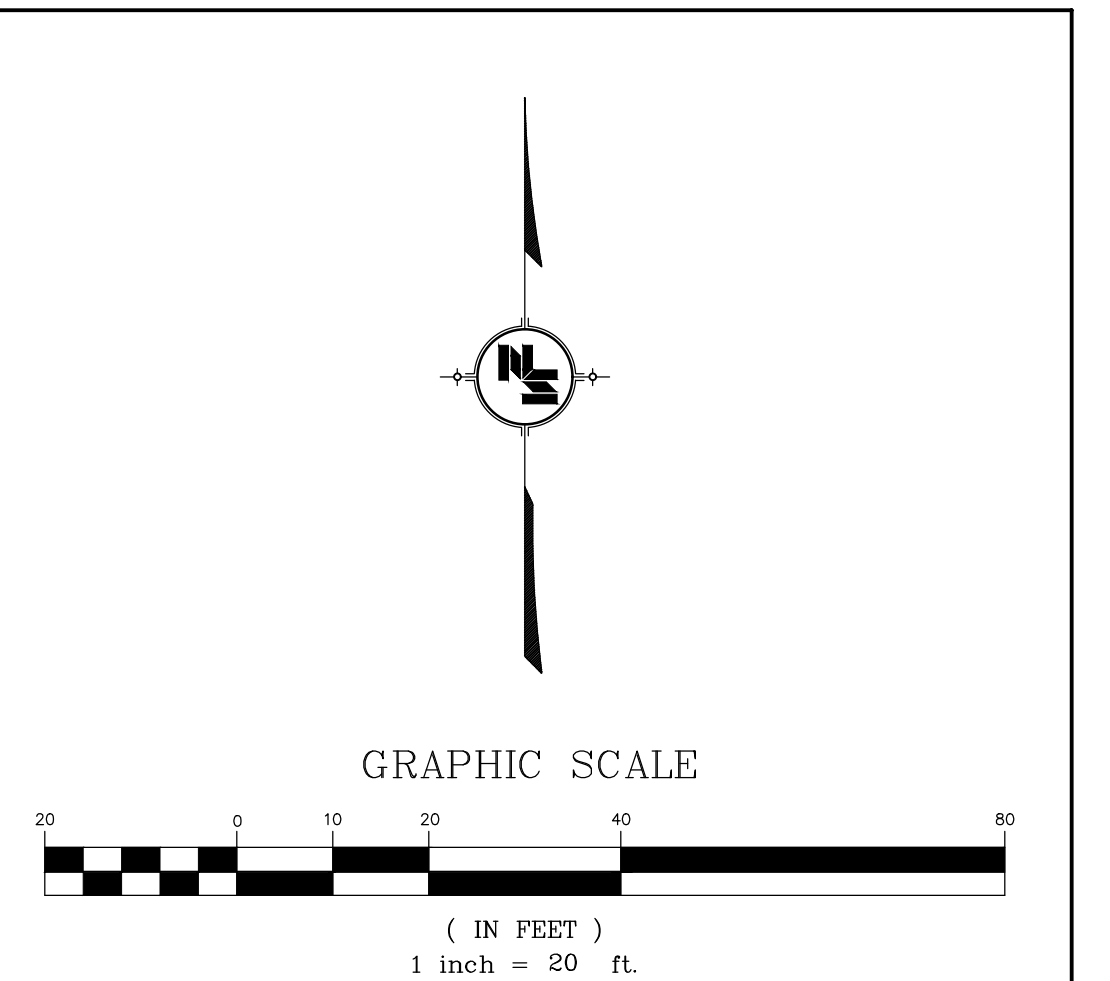


SEE DRAWING NO. 04.3

VIEWPORT A

MATCH LINE

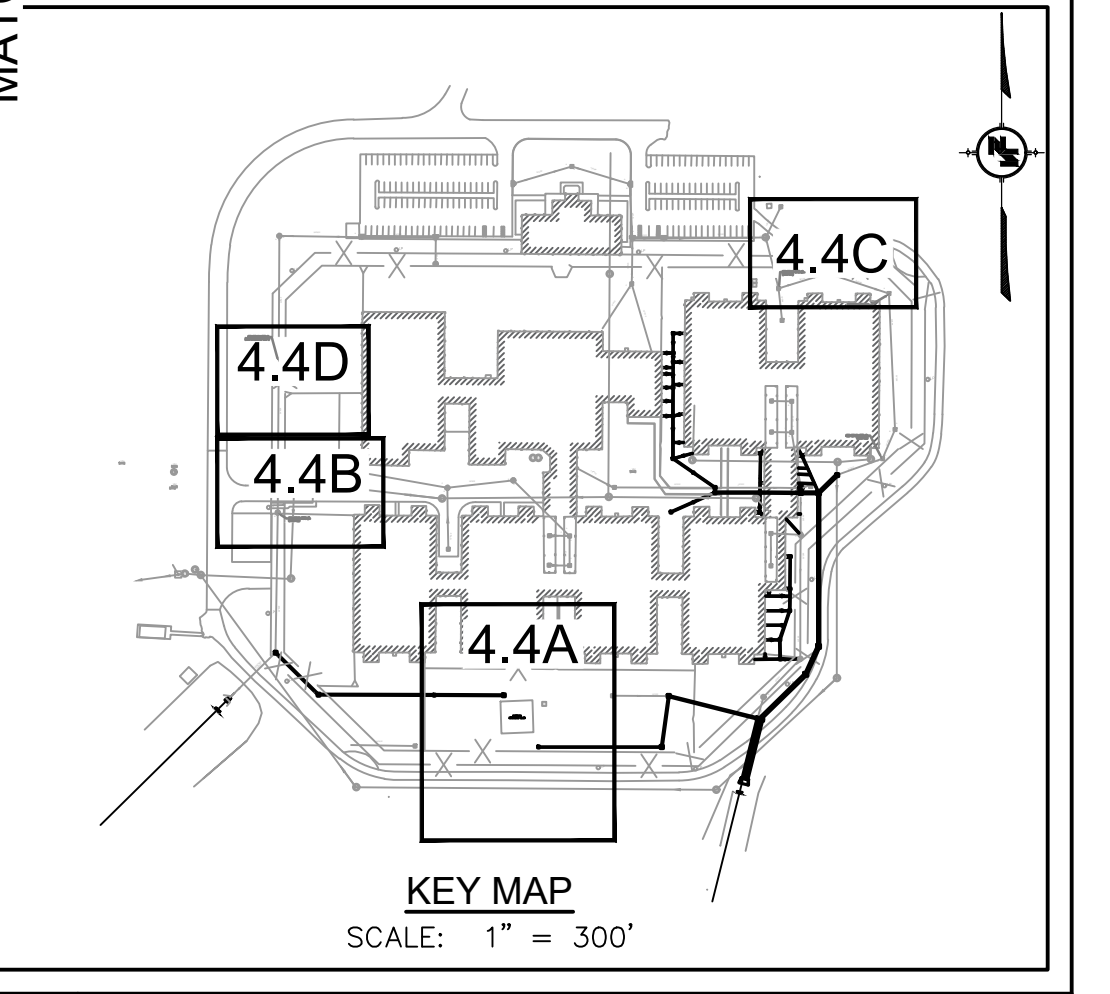
MATCH LINE SEE DRAWING NO. 04.2



**LEGEND**

- - - 330 - - - EXISTING CONTOURS
- — — FINISHED CONTOURS
- PROPOSED GRATE INLET
- ⊕ PROPOSED JUNCTION BOX
- ==== PROPOSED DRAINAGE PIPE
- X-X- EXISTING FENCE
- SD— EXISTING STORM DRAINAGE PIPE
- SS— EXISTING SANITARY SEWER PIPE
- ○ EXISTING GRATE INLETS
- ⊙ EXISTING STORM MANHOLE
- ⊙ EXISTING SANITARY SEWER MANHOLE
- g80 EXISTING DOWNSPOUT
- LP EXISTING LIGHT POLE

NOTE: SEE DRAWING NO. C04.3 FOR GRATE INLET AND JUNCTION BOX GRATE OR COVER SIZES.



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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	07/28/23	DMR	REVISED PIPE TYPE AND NOTE FOR SIZES.

DRAWING INFORMATION	
N-S PROJECT NO.:	NS.17225.105
FILENAME:	17225-WG-Drain.dwg
SCALE:	AS ANNOTATED
SURVEYED BY:	
DSGN:	DATE: 04/2023
DRWN:	DATE: 04/2023
CHKD:	DATE: 04/2023
QA/QC:	DATE: 04/2023



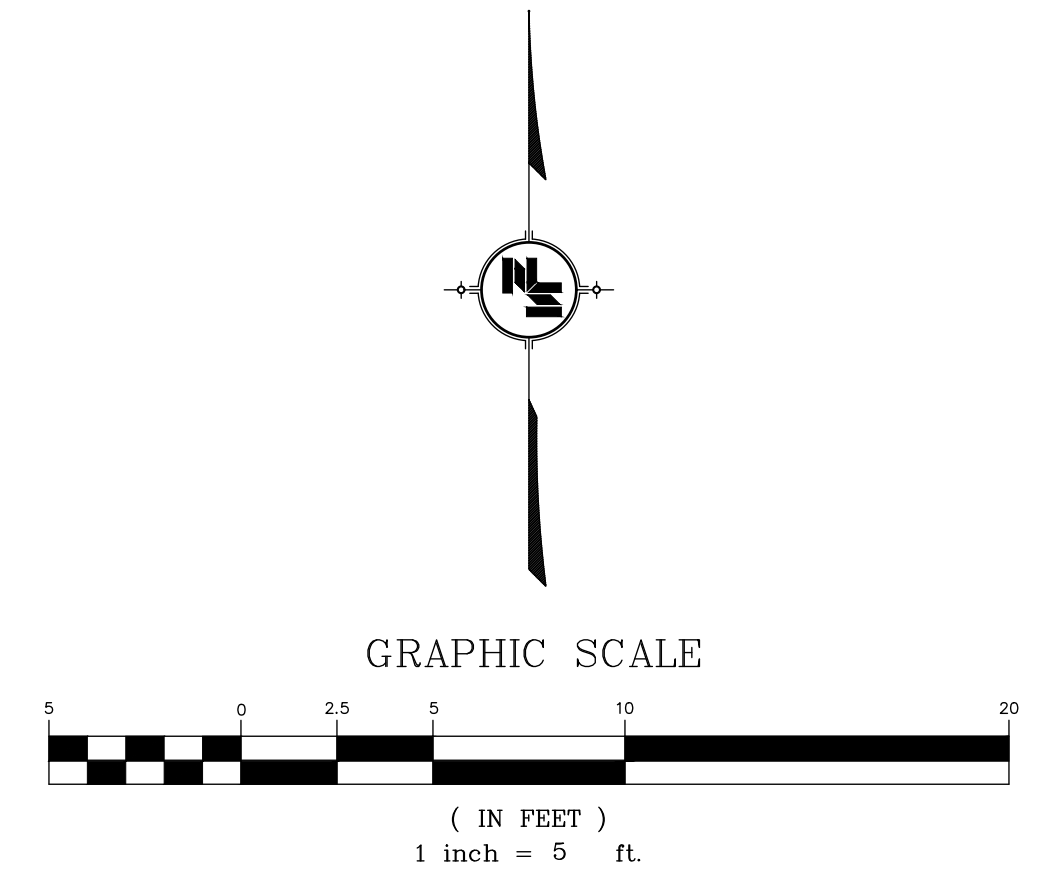
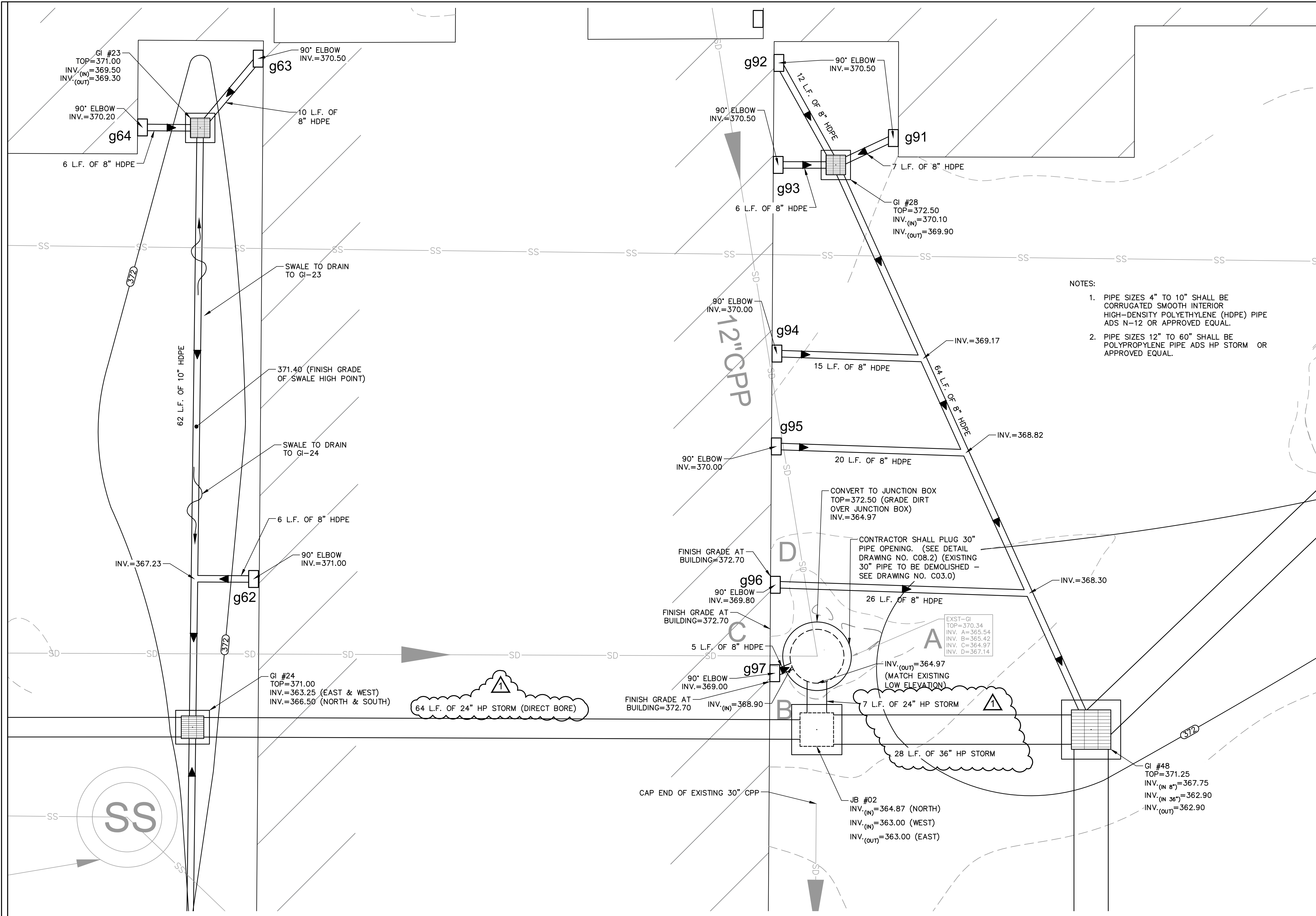
DFA / BUREAU OF BUILDING, GROUNDS AND REAL PROPERTY MANAGEMENT  
501 NORTH WEST STREET,  
SUITE 1401B WOOLFOLK BUILDING  
JACKSON, MISSISSIPPI 39201

ARPA INFRASTRUCTURE  
GS#: 320-071 ARPA INFR. - WGCF STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023



**SITE DRAINAGE AND GRADING PLAN (BASE BID)**

WORKING NUMBER: DRAWING NUMBER:  
**C04.4**

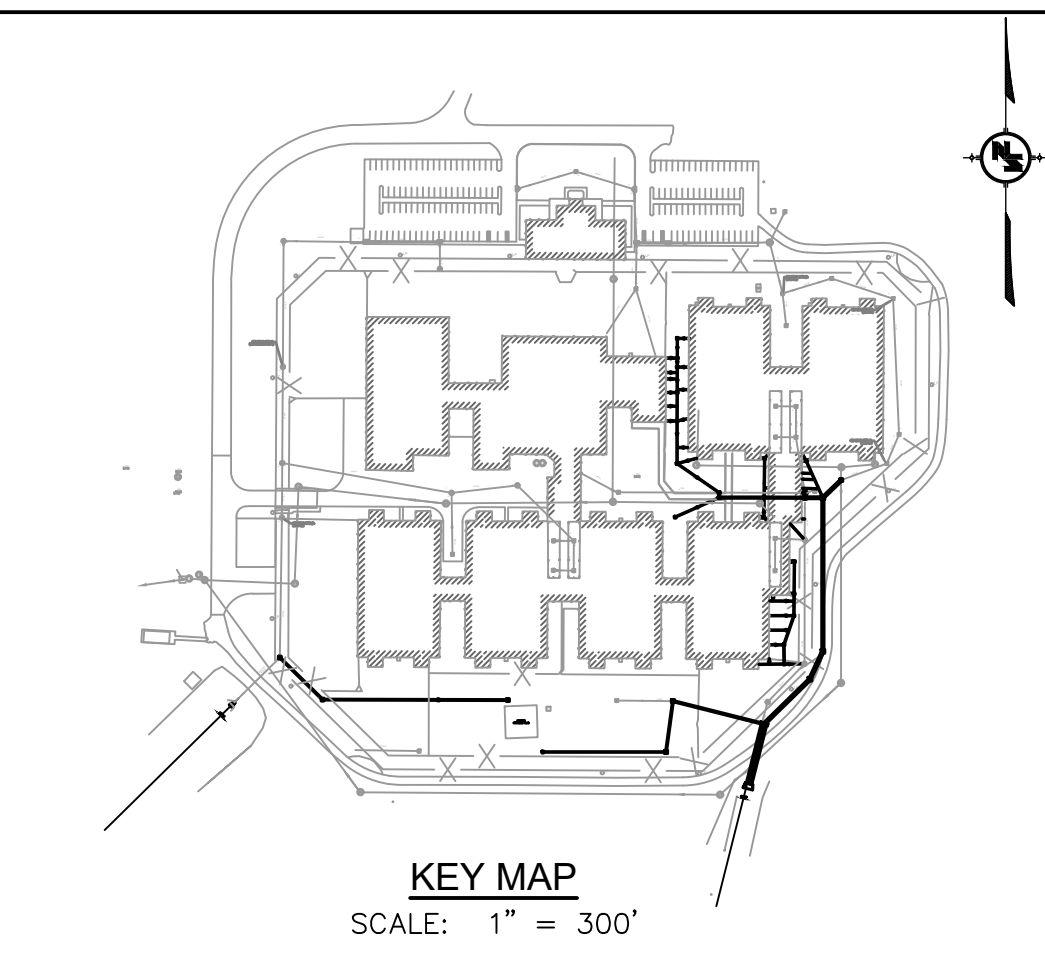


**LEGEND**

	330	EXISTING CONTOURS
	320	FINISHED CONTOURS
		PROPOSED GRATE INLET
		PROPOSED JUNCTION BOX
		PROPOSED DRAINAGE PIPE
		EXISTING FENCE
		EXISTING STORM DRAINAGE PIPE
		EXISTING SANITARY SEWER PIPE
		EXISTING GRATE INLETS
		EXISTING STORM MANHOLE
		EXISTING SANITARY SEWER MANHOLE
		EXISTING DOWNSPOUT
		EXISTING LIGHT POLE

NOTE: SEE DRAWING NO. C04.3 FOR GRATE INLET AND JUNCTION BOX GRATE OR COVER SIZES.

- NOTES:**
- PIPE SIZES 4" TO 10" SHALL BE CORRUGATED SMOOTH INTERIOR HIGH-DENSITY POLYETHYLENE (HDPE) PIPE ADS N-12 OR APPROVED EQUAL.
  - PIPE SIZES 12" TO 60" SHALL BE POLYPROPYLENE PIPE ADS HP STORM OR APPROVED EQUAL.



**NOTICE TO DRAWING HOLDER**

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
△	07/28/23	DMR	REVISED PIPE TYPE AND NOTE FOR SIZES.

DRAWING INFORMATION	
N-S PROJECT NO.: NS.17225.105	
FILENAME: 17225-WG-Drain.dwg	
SCALE: AS ANNOTATED	
SURVEYED BY:	
DSGN:	DATE: 04/2023
DRWN:	DATE: 04/2023
CHKD:	DATE: 04/2023
QA/QC:	DATE: 04/2023

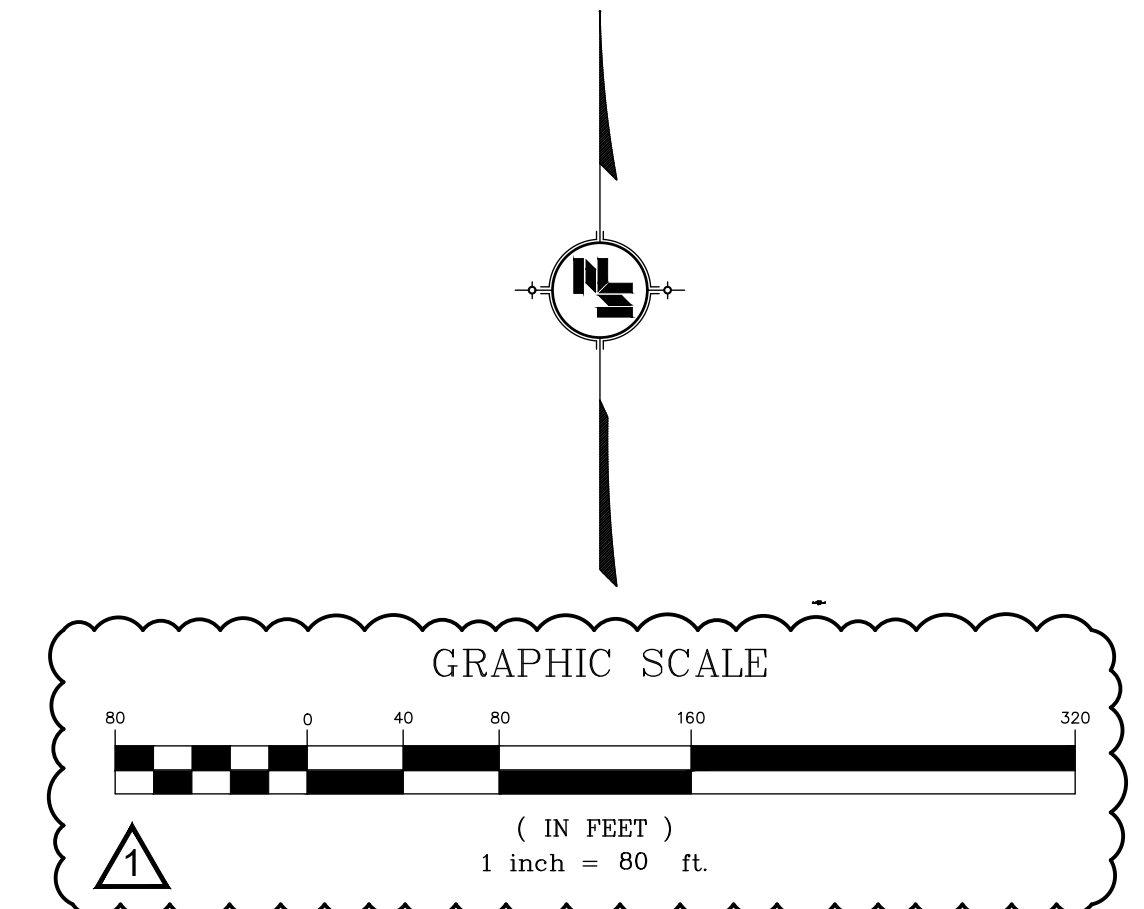
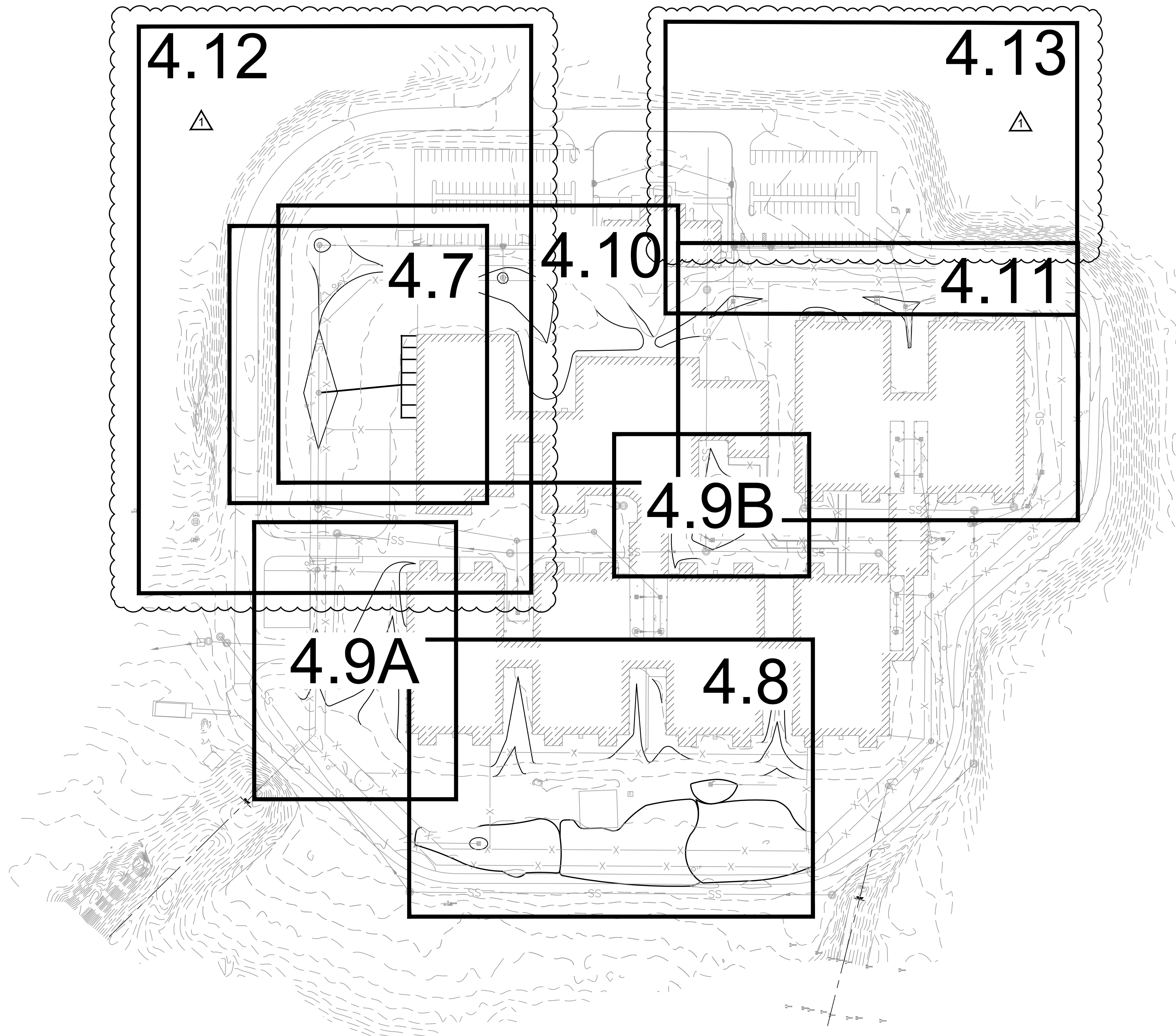


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501 NORTH WEST STREET,  
SUITE 1401B WOOLFOLK BUILDING  
JACKSON, MISSISSIPPI 39201

ARPA INFRASTRUCTURE  
GS#: 320-071 ARPA INFR. - WGCF STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023



<b>SITE DRAINAGE AND GRADING PLAN (BASE BID)</b>	
WORKING NUMBER:	DRAWING NUMBER:
	<b>C04.5</b>



**NOTICE TO DRAWING HOLDER**

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	07/28/23	DMR	ADDED NEW SHEETS TO KEY MAP FOR ADD ALTERNATE #5. UPDATED SCALE.

DRAWING INFORMATION	
N-S PROJECT NO.: NS.17225.105	
FILENAME: 17225-WG-Drain.dwg	
SCALE: AS ANNOTATED	
SURVEYED BY:	
DSGN:	DATE: 04/2023
DRWN:	DATE: 04/2023
CHKD:	DATE: 04/2023
QA/QC:	DATE: 04/2023



DFA / BUREAU OF BUILDING, GROUNDS AND REAL PROPERTY MANAGEMENT  
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 JACKSON, MISSISSIPPI 39201

ARPA INFRASTRUCTURE  
 GS#: 320-071 ARPA INFR. - WGCF STORM  
 WALNUT GROVE CORRECTIONAL FACILITY  
 APRIL 2023



**SITE DRAINAGE AND GRADING PLAN KEY MAP (ADD ALTERNATE BIDS)**

WORKING NUMBER: DRAWING NUMBER:  
**C04.6**

Y:\Projects\30012000\0017000\17225 ARPA Infrastructure\NS17225-105-GS-320-071-ARPA Infr. - WGCF Storm Drawings\17225-WG-Drain.dwg, 7/31/2023 3:56:18 PM, AutoCAD PDF (High Quality Print).plt, 1:1, Chuck F

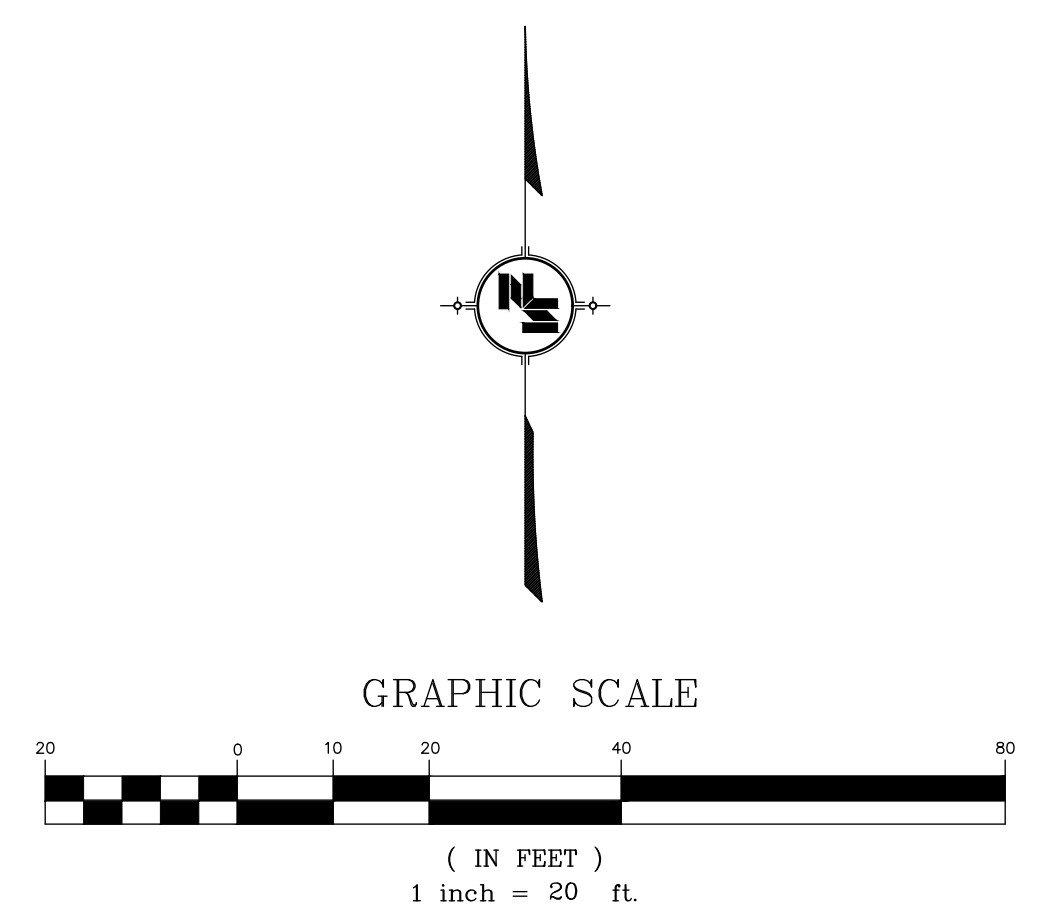
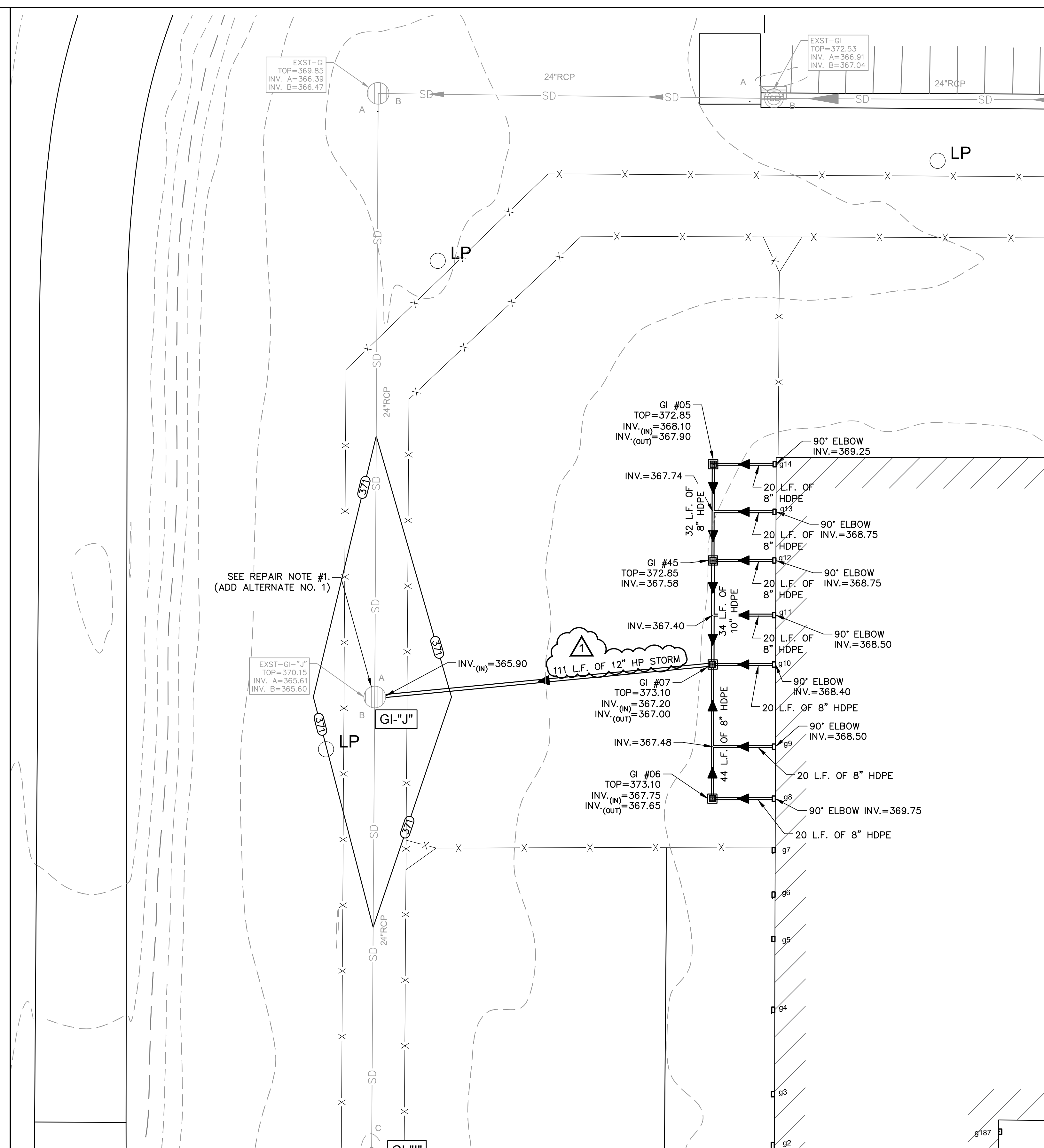
**REPAIR NOTES:**

- REMOVE UNSOUND MORTAR AT PIPE CONNECTIONS; INSTALL MORTAR AT PIPE CONNECTIONS; BUILD INVERT, SLOPE TO FIT PIPE INVERTS; PATCH ALL ACTIVE LEAKS; INTERIOR SURFACE CEMENTITIOUS REBUILD (1/2" MIN. THICKNESS, 4,000 PSI REQUIRED) FILL IN SUMP AREA WITH UNCLASSIFIED FILL AND BRING WASHED GRAVEL SURFACE TO BE FLUSH WITH TOP OF INLET FOR AREA BETWEEN THE TWO PERIMETER SECURITY FENCES.

GRATE OPENING SIZING TABLE (ADD ALTERNATE BIDS)	
GRATE INLET NUMBER	MINIMUM GRATE CLEAR OPENING SIZE (inch <sup>2</sup> )
GI-05	19.30
GI-45	32.80
GI-07	39.75
GI-06	19.30

**NOTES:**

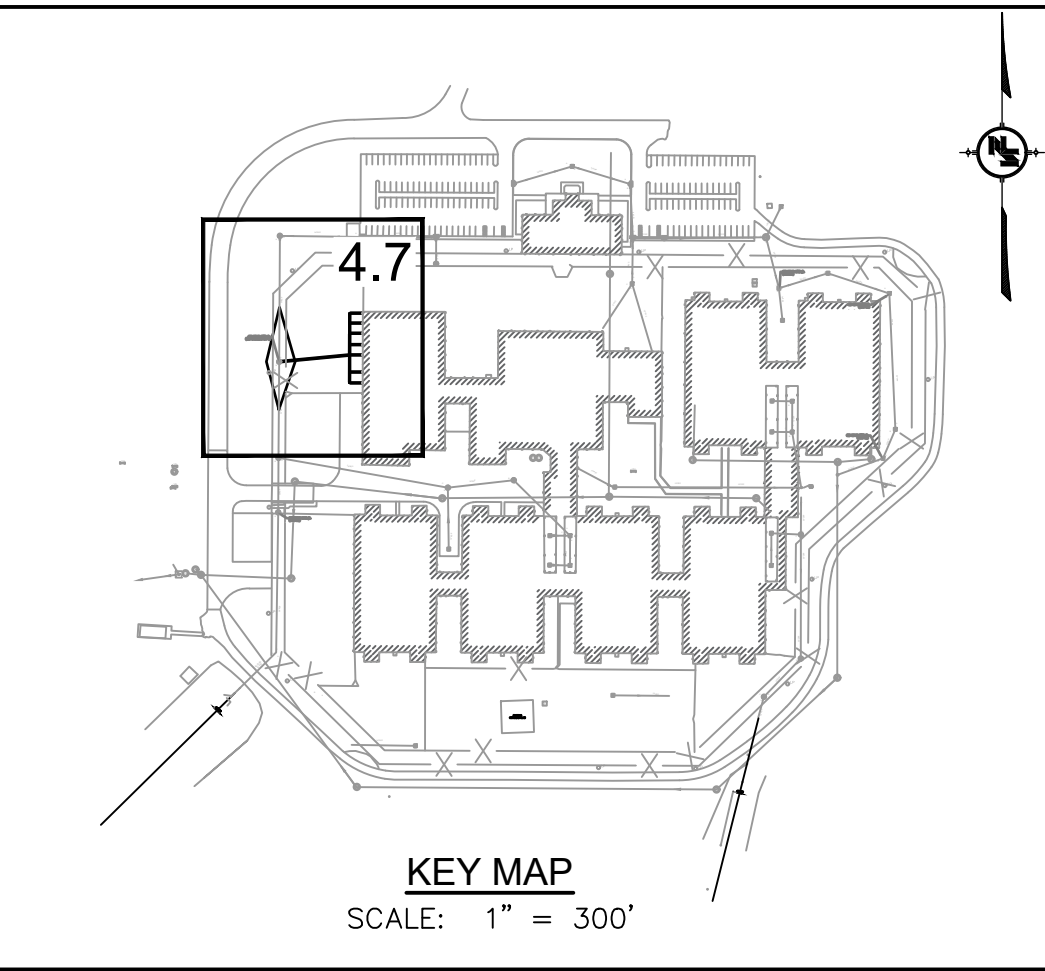
- PIPE SIZES 4" TO 10" SHALL BE CORRUGATED SMOOTH INTERIOR HIGH-DENSITY POLYETHYLENE (HDPE) PIPE ADS N-12 OR APPROVED EQUAL.
- PIPE SIZES 12" TO 60" SHALL BE POLYPROPYLENE PIPE ADS HP STORM OR APPROVED EQUAL.



**LEGEND**

- 330 --- EXISTING CONTOURS
- 320 — FINISHED CONTOURS
- PROPOSED GRATE INLET
- ⊕ PROPOSED JUNCTION BOX
- PROPOSED DRAINAGE PIPE
- X — EXISTING FENCE
- SD — EXISTING STORM DRAINAGE PIPE
- SS — EXISTING SANITARY SEWER PIPE
- ○ EXISTING GRATE INLETS
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- g80 EXISTING DOWNSPOUT
- LP EXISTING LIGHT POLE

NOTE: SEE THIS DRAWING FOR GRATE INLET AND JUNCTION BOX GRATE OR COVER SIZES.



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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	07/28/23	DMR	REVISED PIPE TYPE AND NOTE FOR SIZES.

DRAWING INFORMATION	
N-S PROJECT NO.:	NS.17225.105
FILENAME:	17225-WG-Drain.dwg
SCALE:	AS ANNOTATED
SURVEYED BY:	
DSGN:	DATE: 04/2023
DRWN:	DATE: 04/2023
CHKD:	DATE: 04/2023
QA/QC:	DATE: 04/2023



DFA / BUREAU OF BUILDING, GROUNDS AND REAL PROPERTY MANAGEMENT  
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 SUITE 1401B WOOLFOLK BUILDING  
 JACKSON, MISSISSIPPI 39201

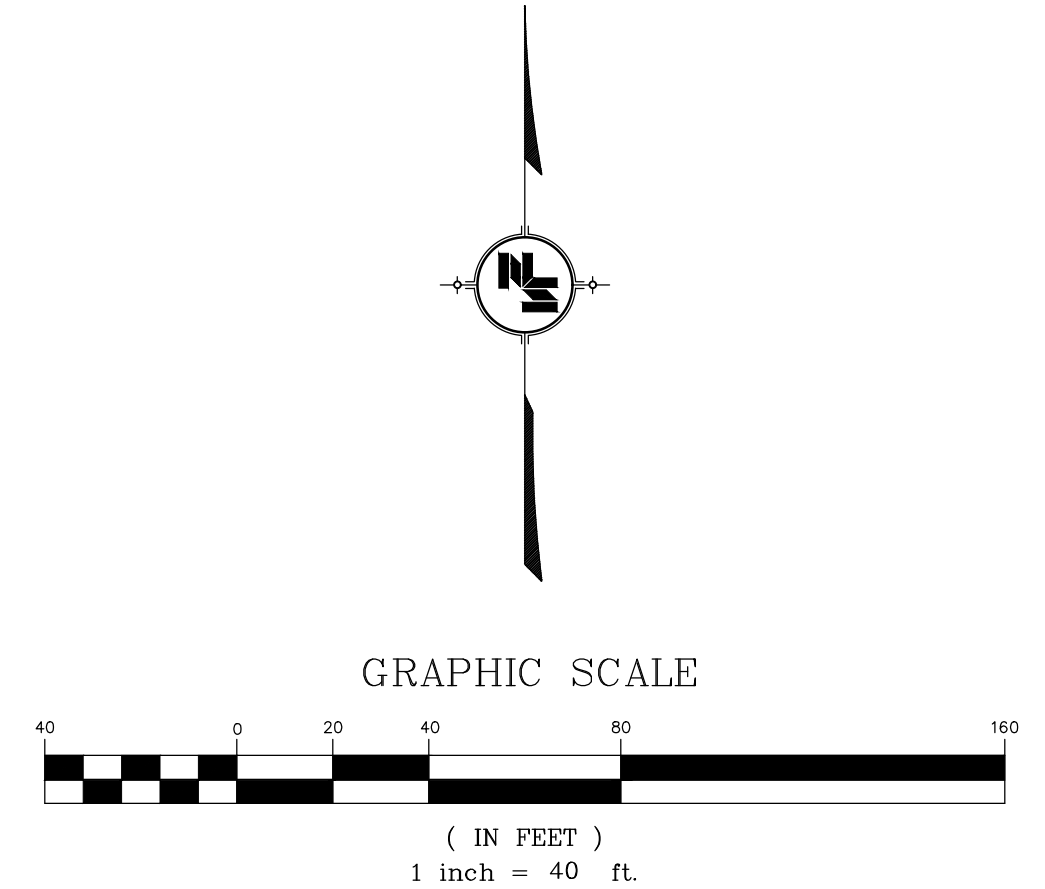
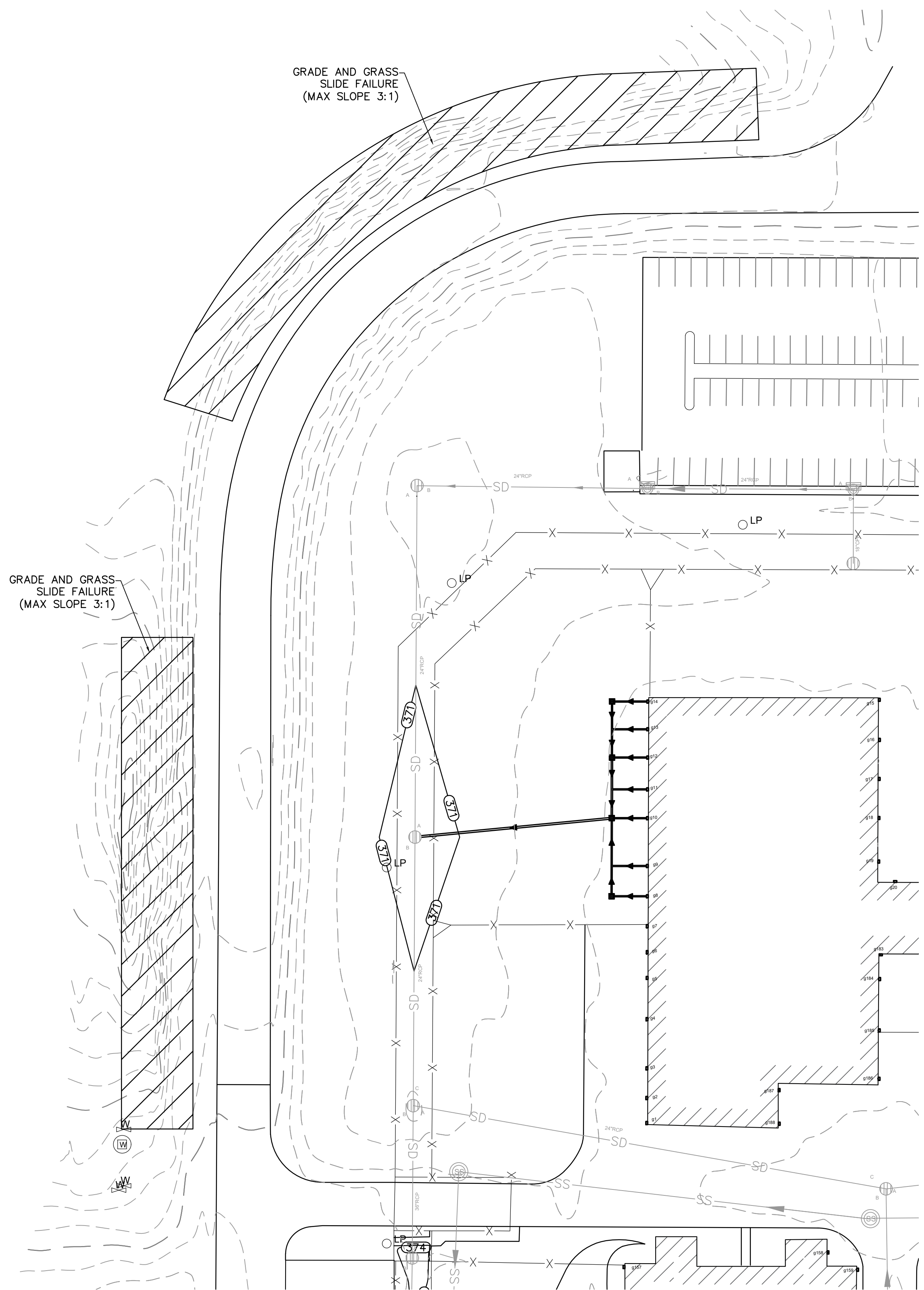
ARPA INFRASTRUCTURE  
 GS# 320-071 ARPA INFR. - WGCF STORM  
 WALNUT GROVE CORRECTIONAL FACILITY  
 APRIL 2023



**SITE DRAINAGE AND GRADING PLAN  
(ADD ALTERNATE NO. 1)**

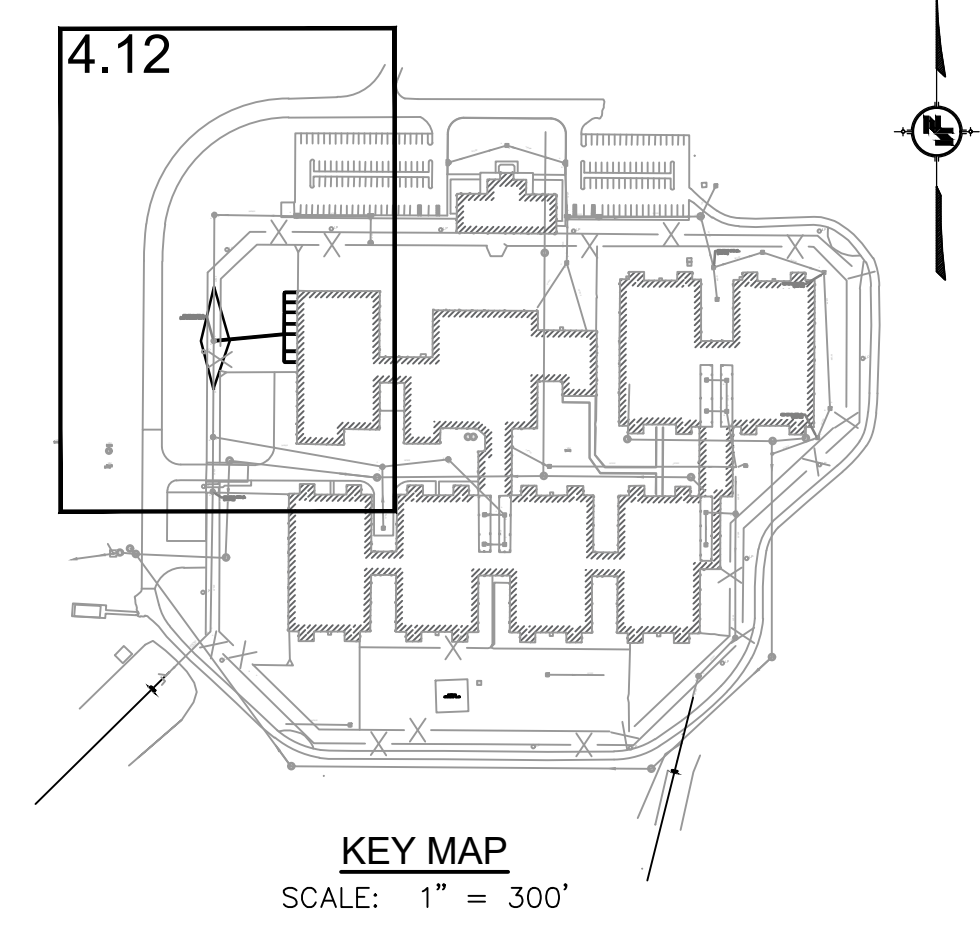
WORKING NUMBER:      DRAWING NUMBER:  
C04.7

NOTE:  
 STOCKPILE TOPSOIL IN STORAGE PILES IN AREAS DESIGNATED BY THE OWNER'S REPRESENTATIVE. CONSTRUCT STORAGE PILES TO PROVIDE FREE DRAINAGE OF SURFACE RUNOFF AWAY FROM THE STOCKPILE. COVER STOCKPILE AS TO PREVENT WIND EROSION. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE AS TO PREVENT EROSION FROM RAINFALL.



- LEGEND**
- 330 --- EXISTING CONTOURS
  - 320 --- FINISHED CONTOURS
  - PROPOSED GRATE INLET
  - ⊕ PROPOSED JUNCTION BOX
  - ==== PROPOSED DRAINAGE PIPE
  - X-X- EXISTING FENCE
  - SD- EXISTING STORM DRAINAGE PIPE
  - SS- EXISTING SANITARY SEWER PIPE
  - (I) EXISTING GRATE INLETS
  - ⊙ EXISTING STORM MANHOLE
  - ⊙ EXISTING SANITARY SEWER MANHOLE
  - g80 EXISTING DOWNSPOUT
  - LP EXISTING LIGHT POLE

NOTE: SEE THIS DRAWING FOR GRATE INLET AND JUNCTION BOX GRATE OR COVER SIZES.



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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	07/28/23	DMR	ADDED NEW SHEET FOR ADD ALTERNATE #5.

DRAWING INFORMATION	
N-S PROJECT NO.:	NS.17225.105
FILENAME:	17225-WG-Drain.dwg
SCALE:	AS ANNOTATED
SURVEYED BY:	
DSGN:	DATE: 04/2023
DRWN:	DATE: 04/2023
CHKD:	DATE: 04/2023
QA/QC:	DATE: 04/2023



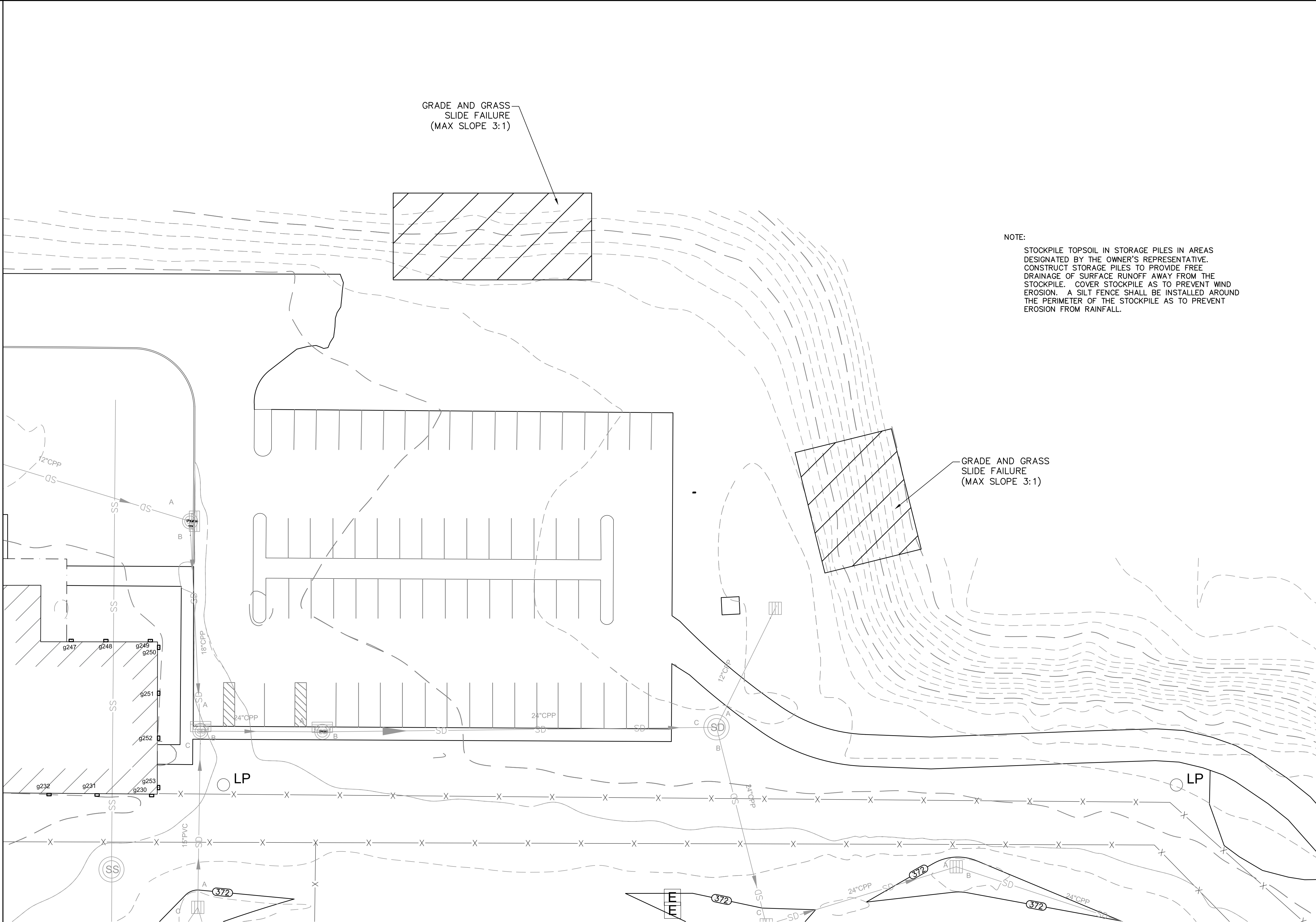
DFA / BUREAU OF BUILDING, GROUNDS AND REAL PROPERTY MANAGEMENT  
 501 NORTH WEST STREET,  
 SUITE 1401B WOOLFOLK BUILDING  
 JACKSON, MISSISSIPPI 39201

ARPA INFRASTRUCTURE  
 GS#: 320-071 ARPA INFR. - WGCF STORM  
 WALNUT GROVE CORRECTIONAL FACILITY  
 APRIL 2023



**SITE DRAINAGE AND GRADING PLAN**  
 (ADD ALTERNATE NO. 5)

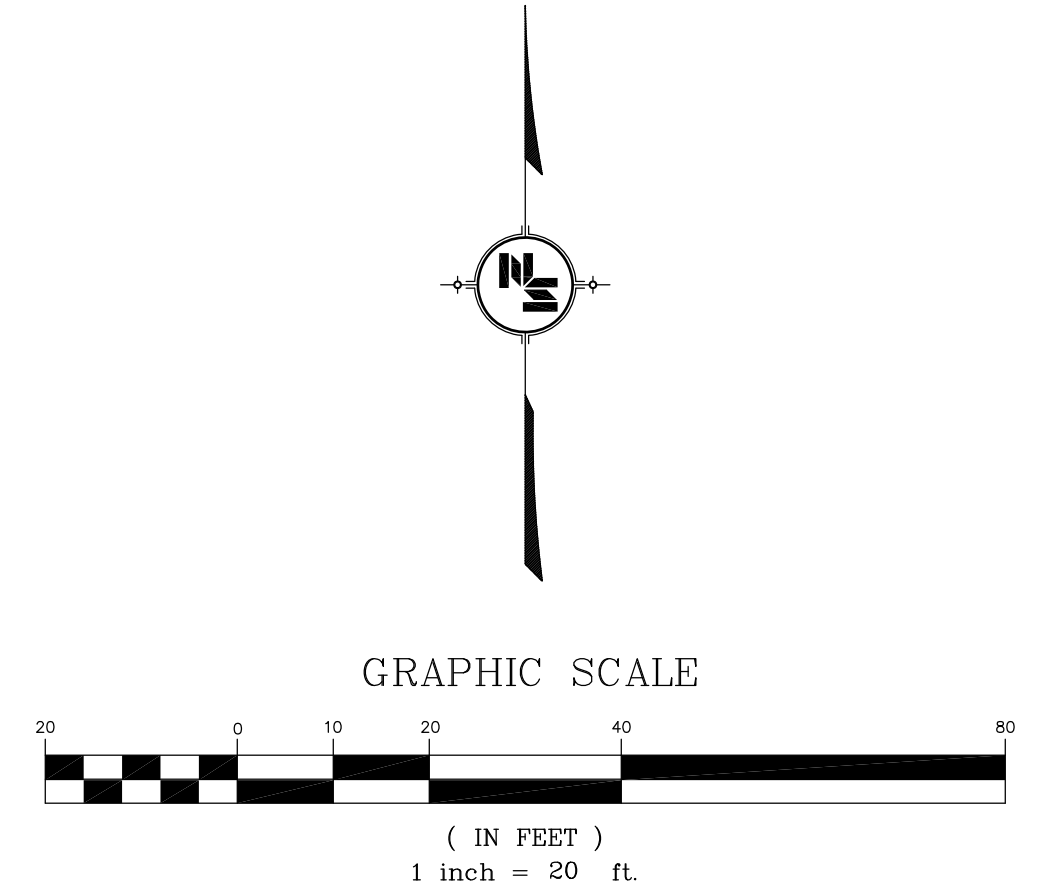
WORKING NUMBER: DRAWING NUMBER:  
 C04.12



GRADE AND GRASS  
SLIDE FAILURE  
(MAX SLOPE 3:1)

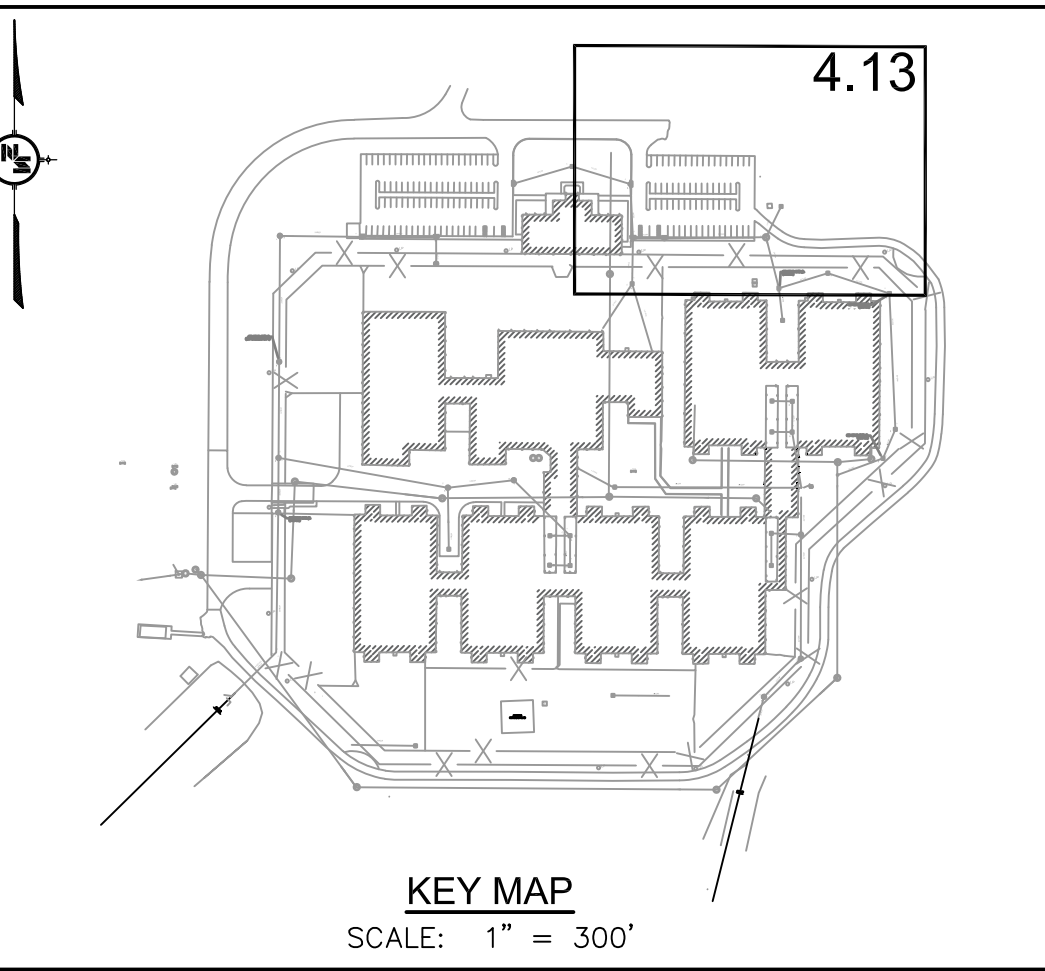
GRADE AND GRASS  
SLIDE FAILURE  
(MAX SLOPE 3:1)

**NOTE:**  
STOCKPILE TOPSOIL IN STORAGE PILES IN AREAS DESIGNATED BY THE OWNER'S REPRESENTATIVE. CONSTRUCT STORAGE PILES TO PROVIDE FREE DRAINAGE OF SURFACE RUNOFF AWAY FROM THE STOCKPILE. COVER STOCKPILE AS TO PREVENT WIND EROSION. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE AS TO PREVENT EROSION FROM RAINFALL.



**LEGEND**

---	330	---	EXISTING CONTOURS
---	320	---	FINISHED CONTOURS
■			PROPOSED GRATE INLET
⊕			PROPOSED JUNCTION BOX
---		---	PROPOSED DRAINAGE PIPE
-X-		-X-	EXISTING FENCE
-SD-			EXISTING STORM DRAINAGE PIPE
-SS-			EXISTING SANITARY SEWER PIPE
■	⊕		EXISTING GRATE INLETS
⊙			EXISTING STORM MANHOLE
⊙			EXISTING SANITARY SEWER MANHOLE
■	g80		EXISTING DOWNSPOUT
○	LP		EXISTING LIGHT POLE



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REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.:	NS.17225.105
1	07/28/23	DMR	ADDED NEW SHEET FOR ADD ALTERNATE #5.	FILENAME:	17225-WG-Drain.dwg
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				SURVEYED BY:	
				DSGN:	DATE: 04/2023
				DRWN:	DATE: 04/2023
				CHKD:	DATE: 04/2023
				QA/QC:	DATE: 04/2023



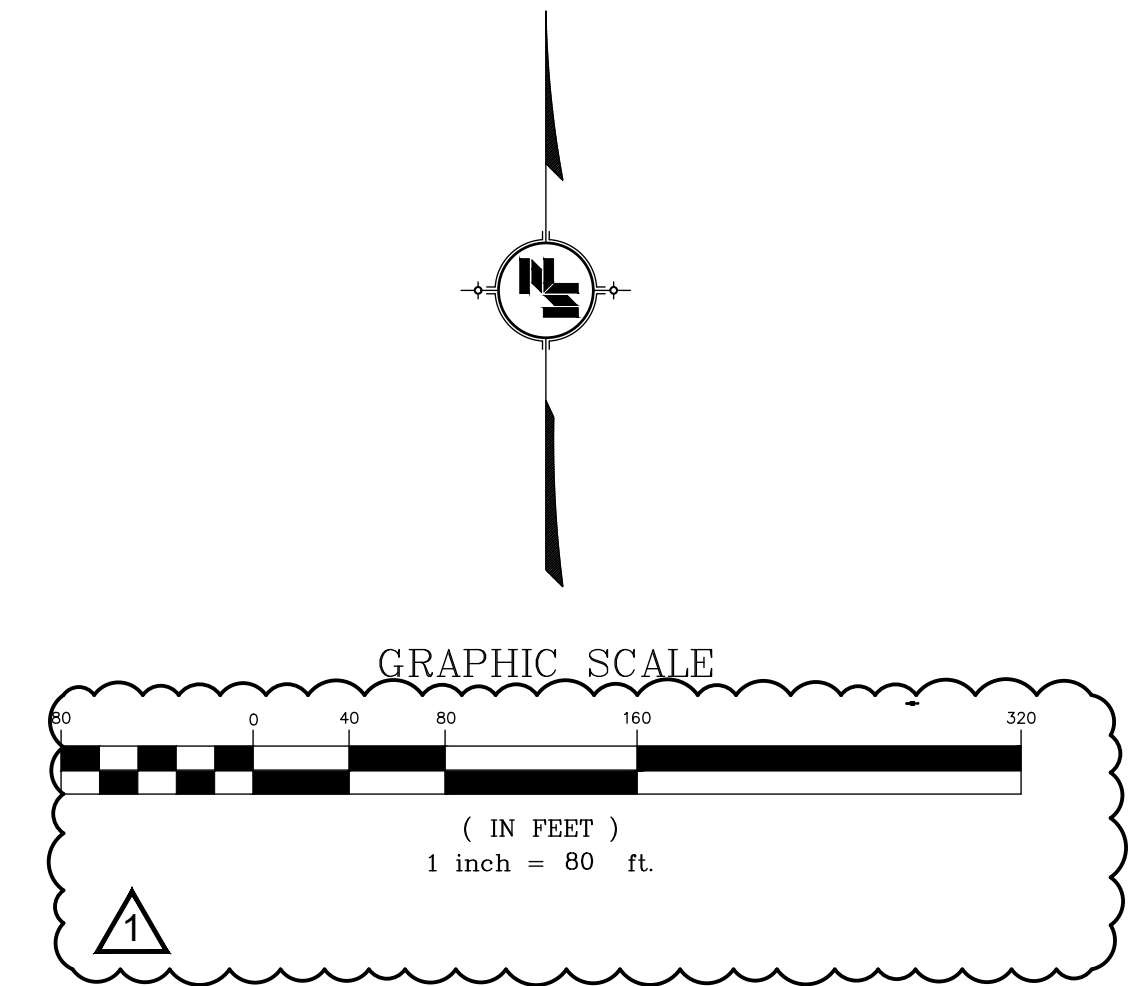
DFA / BUREAU OF BUILDING, GROUNDS AND REAL PROPERTY MANAGEMENT  
501 NORTH WEST STREET,  
SUITE 1401B WOOLFOLK BUILDING  
JACKSON, MISSISSIPPI 39201

ARPA INFRASTRUCTURE  
GS#: 320-071 ARPA INFR. - WGCF STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023



**SITE DRAINAGE AND GRADING PLAN  
(ADD ALTERNATE NO. 5)**

WORKING NUMBER: \_\_\_\_\_ DRAWING NUMBER: **C04.13**



**NOTICE TO DRAWING HOLDER**

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	07/28/23	DMR	ADDED NEW SHEETS TO KEY MAP FOR ADD ALTERNATE #5. UPDATED SCALE.

DRAWING INFORMATION	
N-S PROJECT NO.: NS.17225.105	
FILENAME: 17225-WG-ERC.dwg	
SCALE: AS ANNOTATED	
SURVEYED BY:	
DSGN:	DATE: 04/2023
DRWN:	DATE: 04/2023
CHKD:	DATE: 04/2023
QA/QC:	DATE: 04/2023



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ARPA INFRASTRUCTURE  
 GS#: 320-071 ARPA INFR. - WGCF STORM  
 WALNUT GROVE CORRECTIONAL FACILITY  
 APRIL 2023

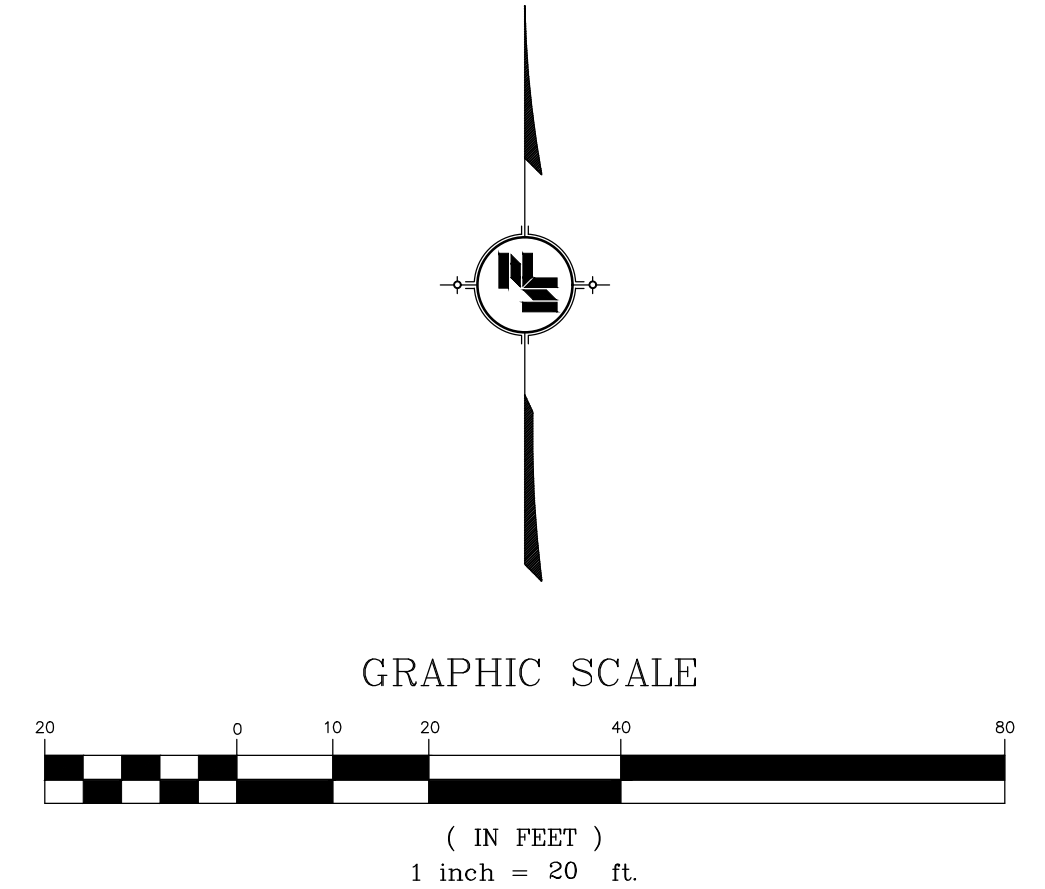
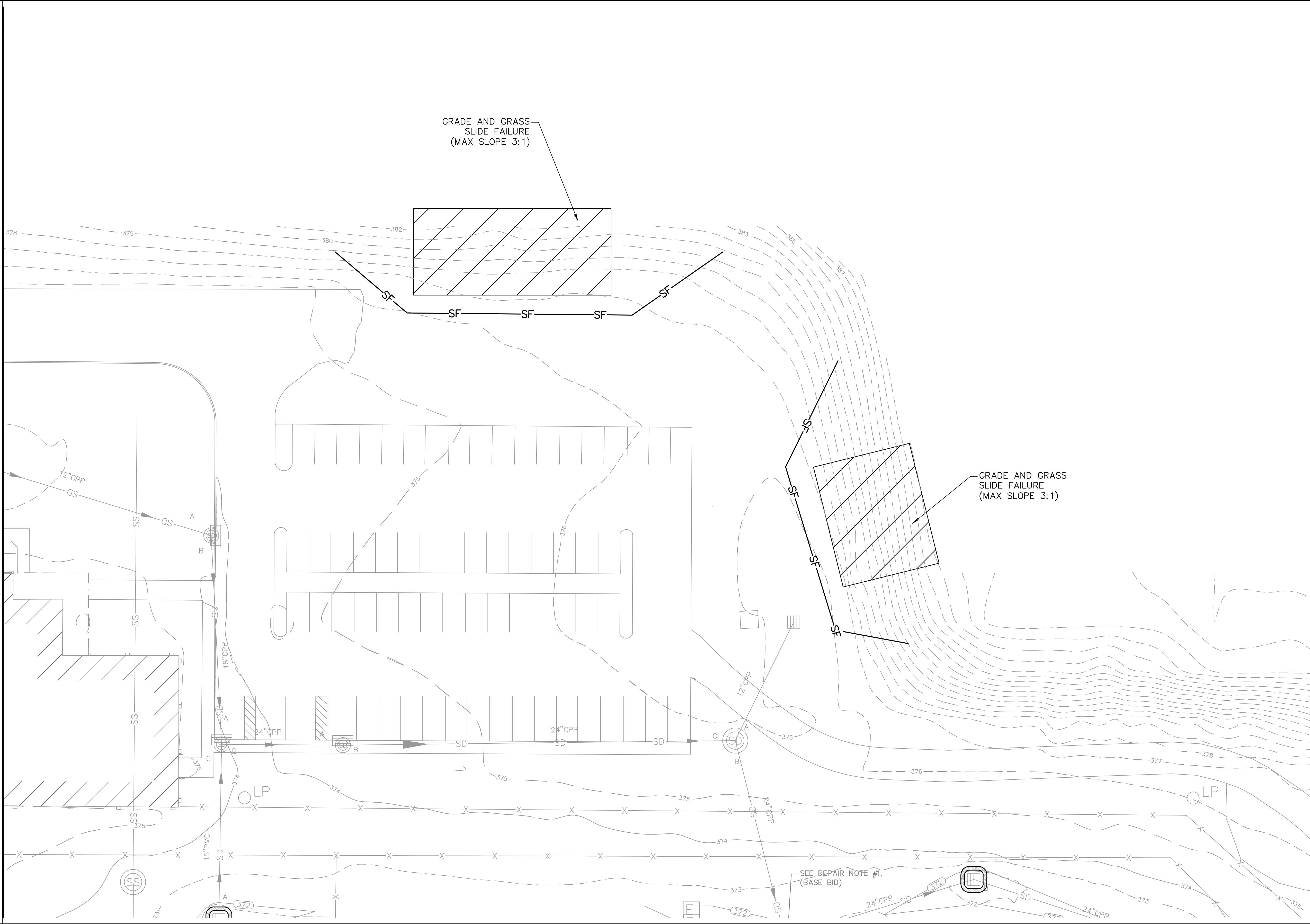





**SITE EROSION CONTROL PLAN - KEY MAP (ADD ALTERNATE BIDS)**

WORKING NUMBER: DRAWING NUMBER:  
**C05.3**

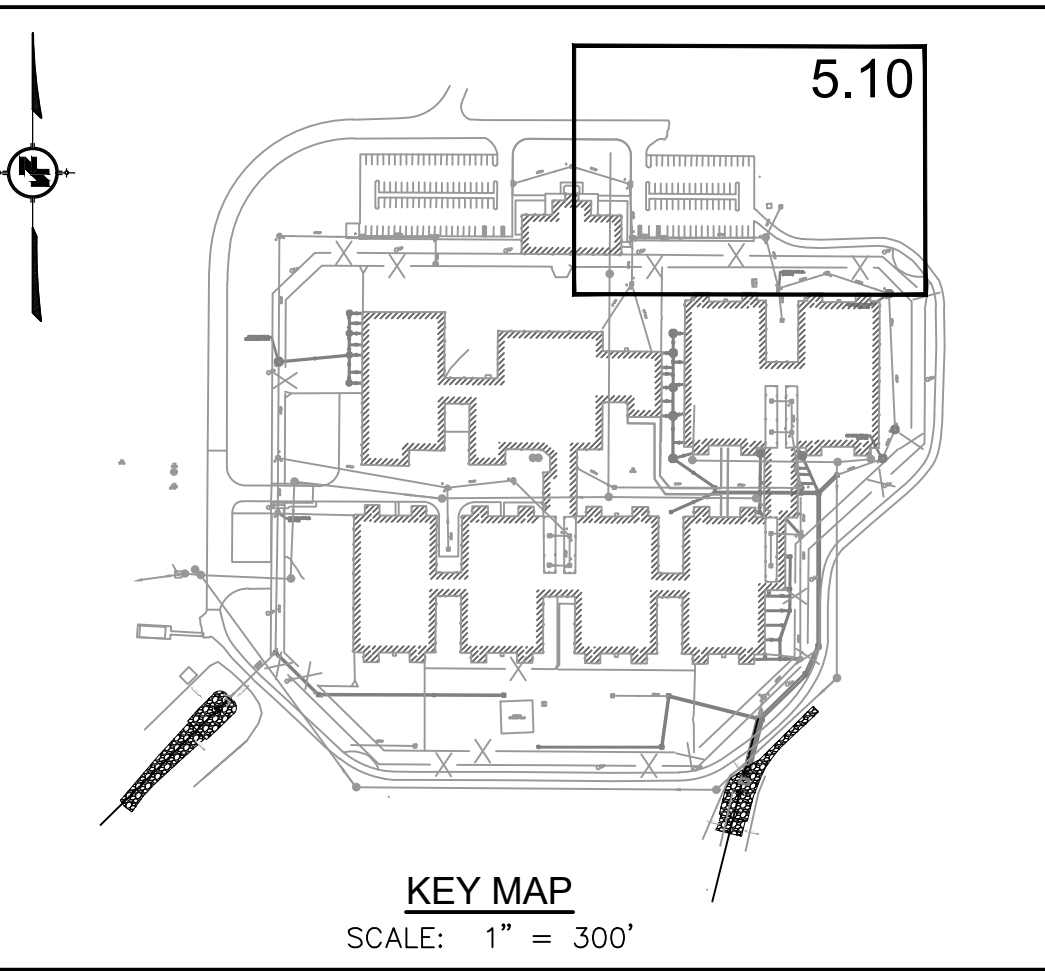
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- LEGEND**
-  WATTLES (SEE WATTLE DETAILS ON DRAWING NO. C07.0)
  -  WATTLES (SEE WATTLE DETAILS ON DRAWING NO. C07.0) (BASE BID ITEM)
  -  SILT FENCE (SEE SILT FENCE DETAILS ON DRAWING NO. C07.0)

**NOTE:**  
 STOCKPILE TOPSOIL IN STORAGE PILES IN AREAS DESIGNATED BY THE OWNER'S REPRESENTATIVE. CONSTRUCT STORAGE PILES TO PROVIDE FREE DRAINAGE OF SURFACE RUNOFF AWAY FROM THE STOCKPILE. COVER STOCKPILE AS TO PREVENT WIND EROSION. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE AS TO PREVENT EROSION FROM RAINFALL.



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REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
▲	07/28/23	DMR	ADDED NEW SHEET FOR ADD ALTERNATE #5.	N-S PROJECT NO.: NS.17225.105
				FILENAME: 17225-WG-ERC.dwg
				SCALE: AS ANNOTATED
				SURVEYED BY:
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				DRWN: DATE: 04/2023
				CHKD: DATE: 04/2023
				QA/QC: DATE: 04/2023



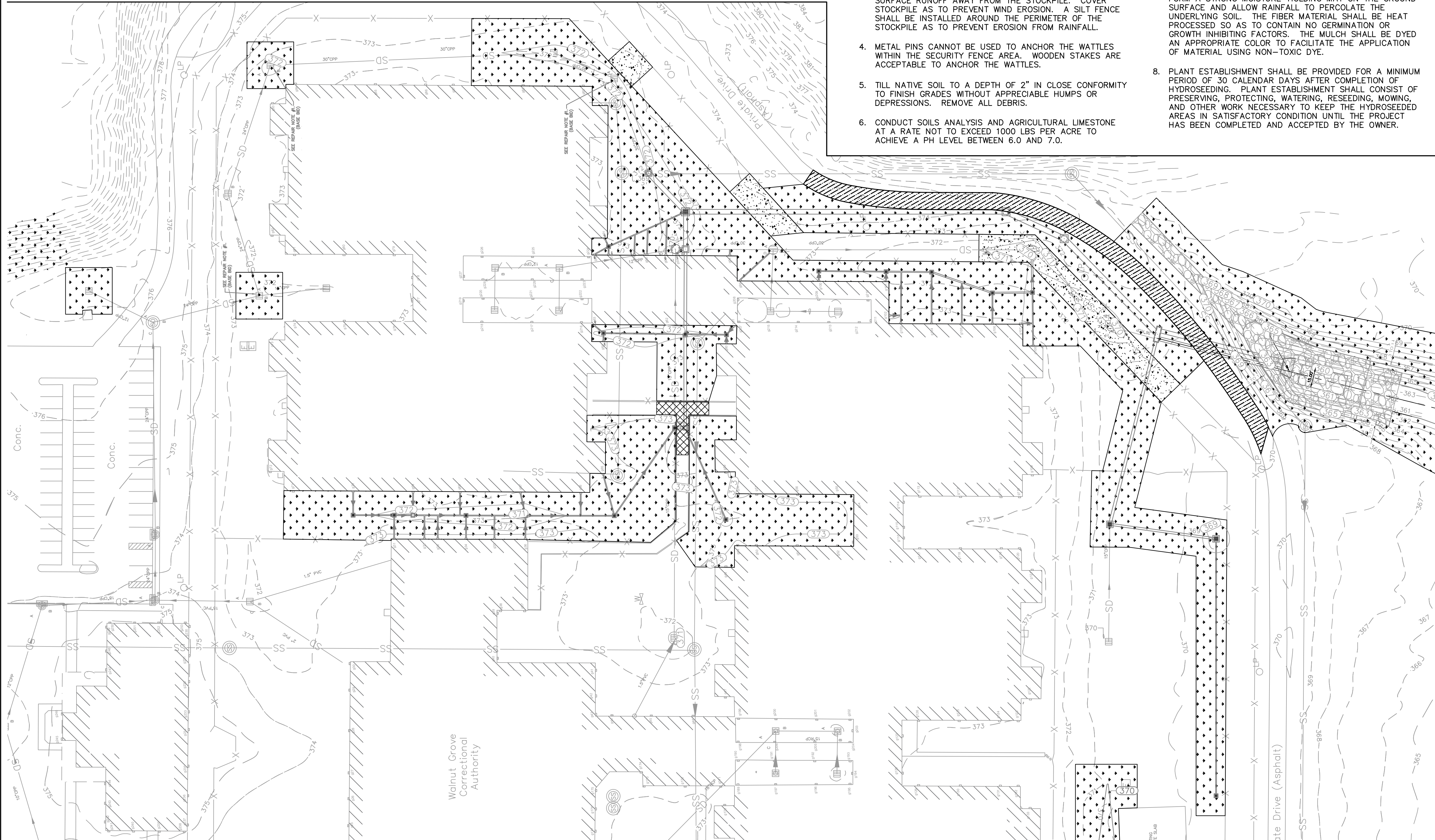
DFA / BUREAU OF BUILDING, GROUNDS AND REAL PROPERTY MANAGEMENT  
 501 NORTH WEST STREET,  
 SUITE 1401B WOOLFOLK BUILDING  
 JACKSON, MISSISSIPPI 39201

ARPA INFRASTRUCTURE  
 GS#: 320-071 ARPA INFR. - WGCF STORM  
 WALNUT GROVE CORRECTIONAL FACILITY  
 APRIL 2023



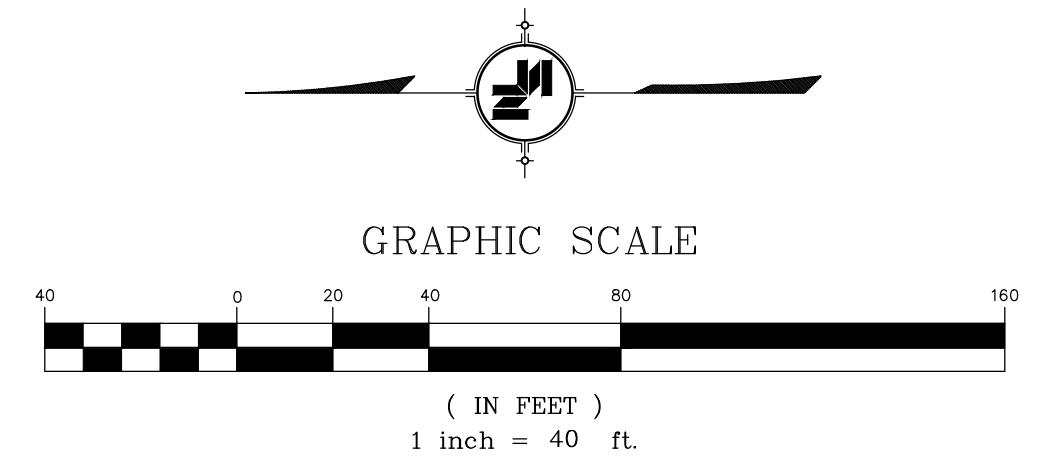
**SITE EROSION CONTROL PLAN**  
**(ADD ALTERNATE NO. 5)**

WORKING NUMBER: DRAWING NUMBER:  
 C05.10



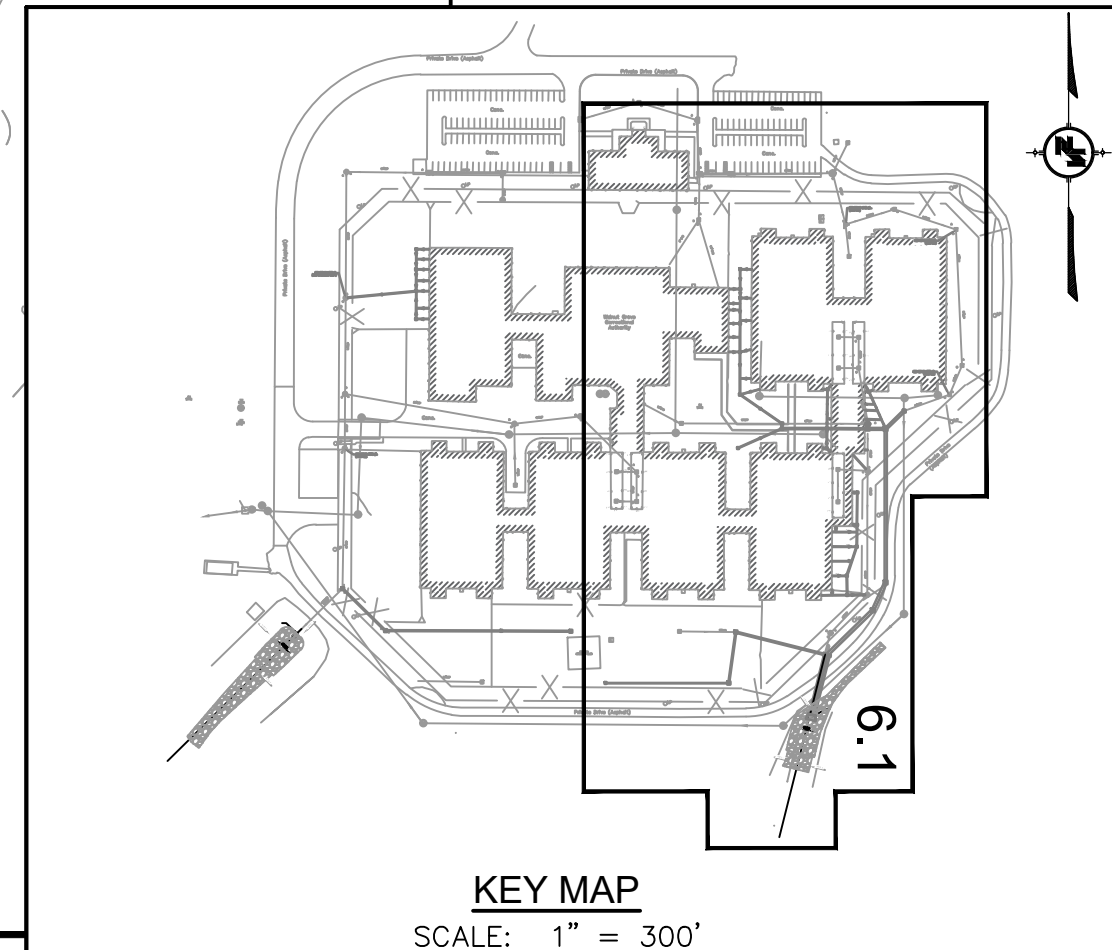
**NOTES:**

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3. STOCKPILE TOPSOIL IN STORAGE PILES IN AREAS DESIGNATED BY THE OWNER'S REPRESENTATIVE. CONSTRUCT STORAGE PILES TO PROVIDE FREE DRAINAGE OF SURFACE RUNOFF AWAY FROM THE STOCKPILE. COVER STOCKPILE AS TO PREVENT WIND EROSION. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE AS TO PREVENT EROSION FROM RAINFALL.
4. METAL PINS CANNOT BE USED TO ANCHOR THE WATTLES WITHIN THE SECURITY FENCE AREA. WOODEN STAKES ARE ACCEPTABLE TO ANCHOR THE WATTLES.
5. TILL NATIVE SOIL TO A DEPTH OF 2" IN CLOSE CONFORMITY TO FINISH GRADES WITHOUT APPRECIABLE HUMPS OR DEPRESSIONS. REMOVE ALL DEBRIS.
6. CONDUCT SOILS ANALYSIS AND AGRICULTURAL LIMESTONE AT A RATE NOT TO EXCEED 1000 LBS PER ACRE TO ACHIEVE A PH LEVEL BETWEEN 6.0 AND 7.0.
7. HYDROSEED MIX SHALL CONSIST OF BERMUDA SEED AS NOTED AT A RATE OF 25 LB PER ACRE, A WOOD FIBER MULCH AT A RATE OF 1500 LBS PER ACRE, AND A 13-13-13 FERTILIZER AT A RATE OF 1000 LBS PER ACRE. WOOD FIBER MULCH SHALL BE MANUFACTURED PARTICULARLY FOR DISCHARGING UNIFORMLY ON THE GROUND SURFACE WHEN DISPERSED BY A HYDRAULIC WATER SPRAYER. IT SHALL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER AGITATION AND BLEND WITH GRASS SEED AND FERTILIZER TO FORM A HOMOGENOUS SLURRY. THE FIBERS SHALL INTERTWINE PHYSICALLY TO FORM A STRONG MOISTURE-HOLDING MAT ON THE GROUND SURFACE AND ALLOW RAINFALL TO PERCOLATE THE UNDERLYING SOIL. THE FIBER MATERIAL SHALL BE HEAT PROCESSED SO AS TO CONTAIN NO GERMINATION OR GROWTH INHIBITING FACTORS. THE MULCH SHALL BE DYED AN APPROPRIATE COLOR TO FACILITATE THE APPLICATION OF MATERIAL USING NON-TOXIC DYE.
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- LEGEND**
- [Dotted pattern] GRASSING (HYDRO-SEEDING)
  - [Cross-hatched pattern] RIP RAP (SEE RIP RAP DETAILS ON DRAWING NO. C08.2)
  - [Diagonal hatched pattern] AREA OF ROADWAY (ASPHALT) REMOVAL (REPLACE SURFACE WITH 5" OF 67 CRUSHED LIMESTONE) (SEE TYPICAL SECTION ON DRAWING NO. C03.0.)
  - [Stippled pattern] WASHED GRAVEL REMOVAL AND REPLACEMENT
  - [Grid pattern] AREA OF CONCRETE SIDEWALK REMOVAL AND REPLACEMENT

**NOTE:**  
EXISTING WASHED GRAVEL TO BE REUSED. SOME AREAS MAY REQUIRE ADDITIONAL WASHED GRAVEL AND THIS GRAVEL SHALL MEET THE TYPE AND GRADATION OF EXISTING GRAVEL.



MATCH LINE SEE DRAWING NO. C06.2

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REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.:	FILENAME:
1	07/28/23	DMR	REVISED NOTE IN LEGEND.	NS.17225.105	17225-WG-Grass.dwg
				SCALE:	AS ANNOTATED
				SURVEYED BY:	
		DSGN:	DATE:	04/2023	
		DRWN:	DATE:	04/2023	
		CHKD:	DATE:	04/2023	
		QA/QC:	DATE:	04/2023	



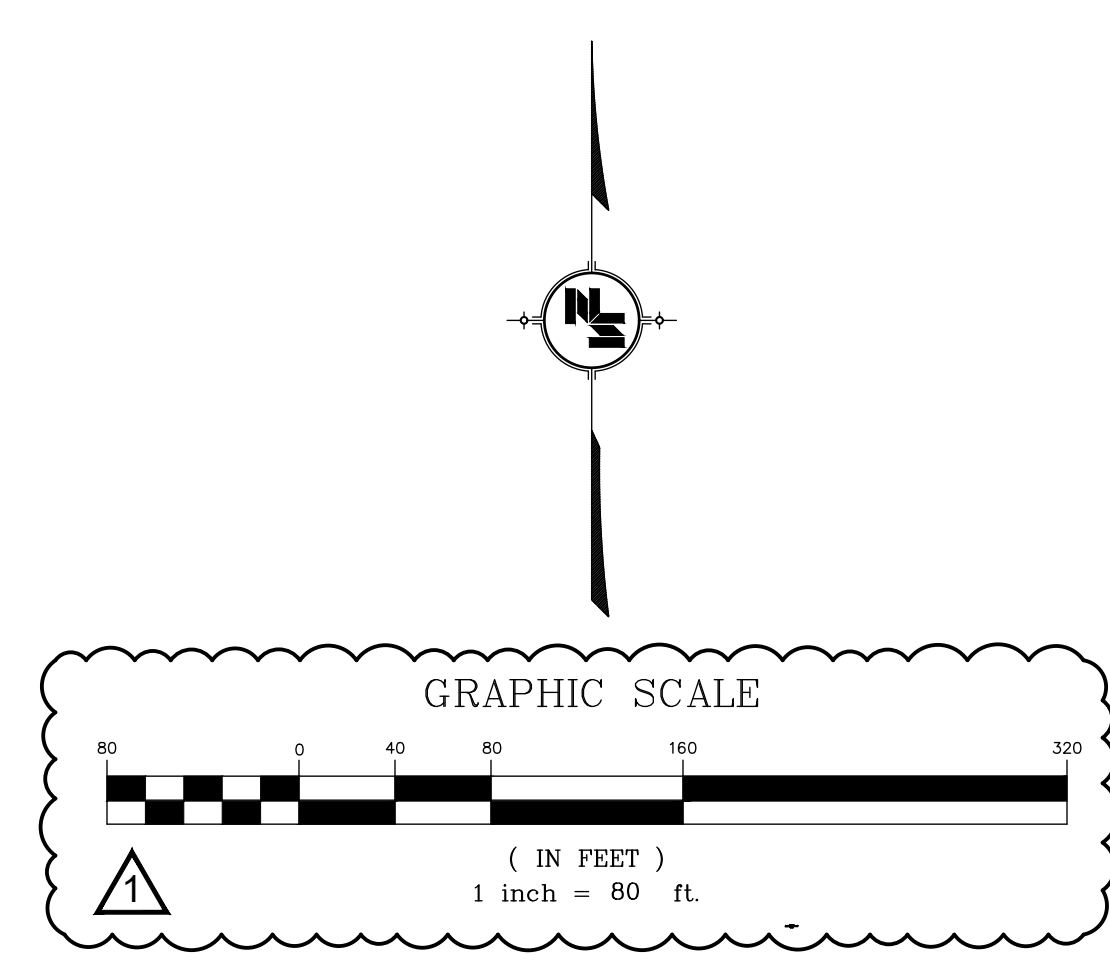
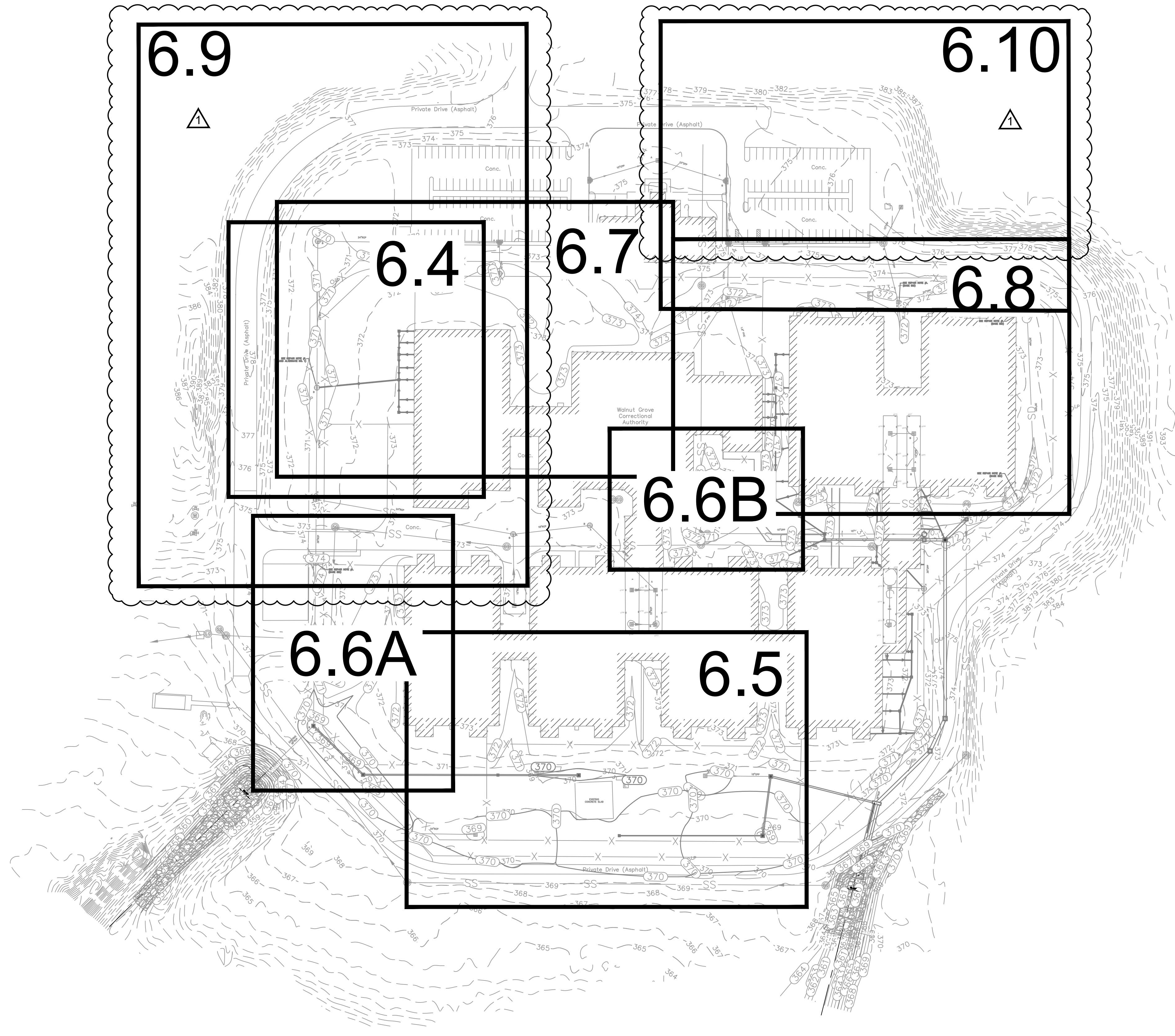
DFA / BUREAU OF BUILDING, GROUNDS AND REAL PROPERTY MANAGEMENT  
501 NORTH WEST STREET,  
SUITE 1401B WOOLFOLK BUILDING  
JACKSON, MISSISSIPPI 39201

ARPA INFRASTRUCTURE  
GS#: 320-071 ARPA INFR. - WGCF STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023



**SITE GRASSING AND SURFACE REPAIR PLAN (BASE BID)**

WORKING NUMBER: DRAWING NUMBER:  
**C06.1**



**NOTICE TO DRAWING HOLDER**

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REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
1	07/28/23	DMR	ADDED NEW SHEETS TO KEY MAP FOR ADD ALTERNATE #5. UPDATED SCALE.	N-S PROJECT NO.: NS.17225.105 FILENAME: 17225-WG-Grass.dwg SCALE: AS ANNOTATED SURVEYED BY: DSGN: DATE: 04/2023 DRWN: DATE: 04/2023 CHKD: DATE: 04/2023 QA/QC: DATE: 04/2023



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ARPA INFRASTRUCTURE  
GS#: 320-071 ARPA INFR. - WGCF STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023



**SITE GRASSING AND SURFACE REPAIR PLAN- KEY MAP (ADD ALTERNATE BIDS)**

WORKING NUMBER:

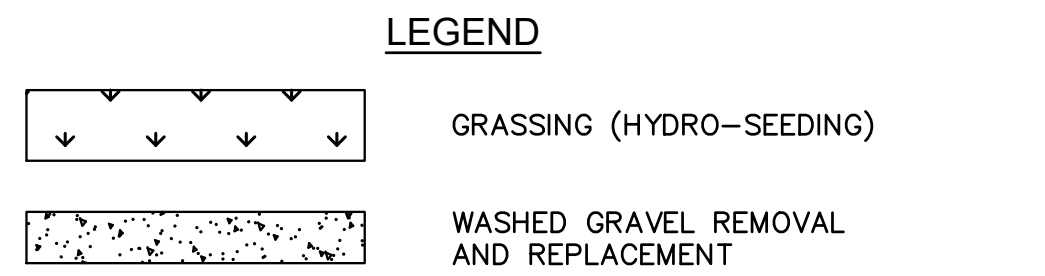
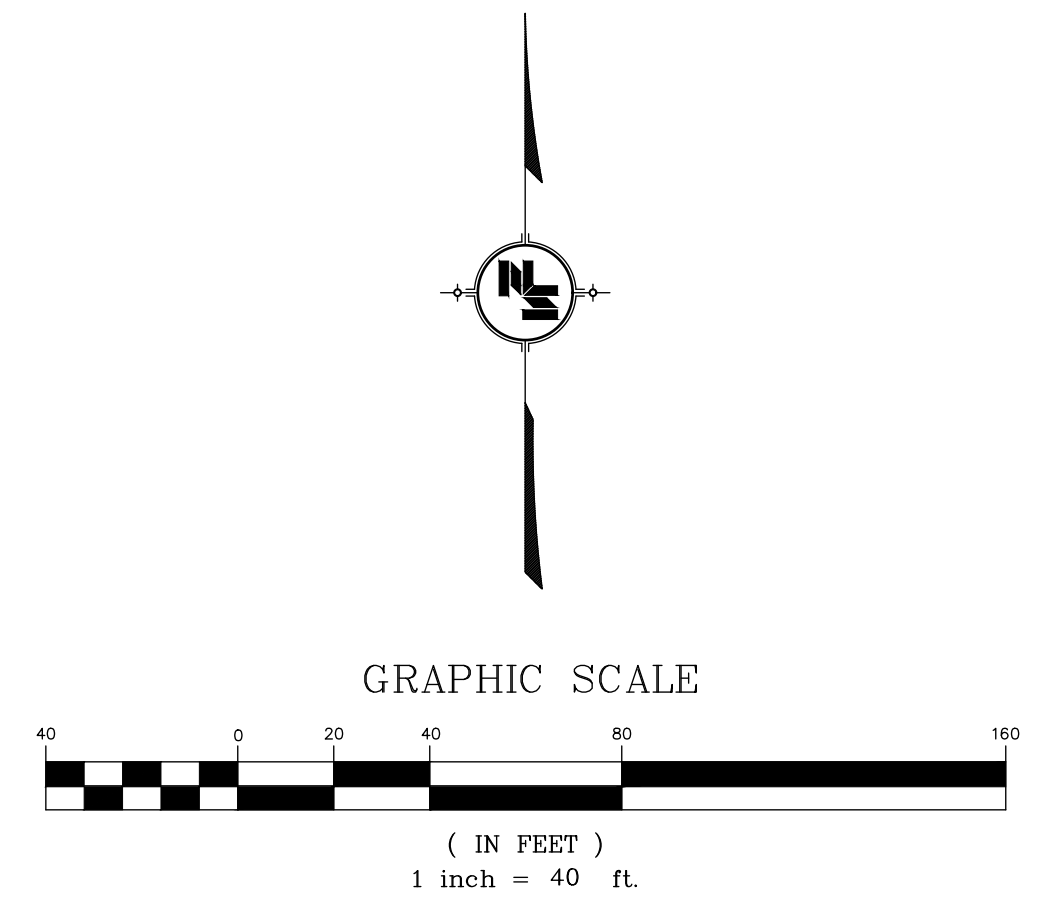
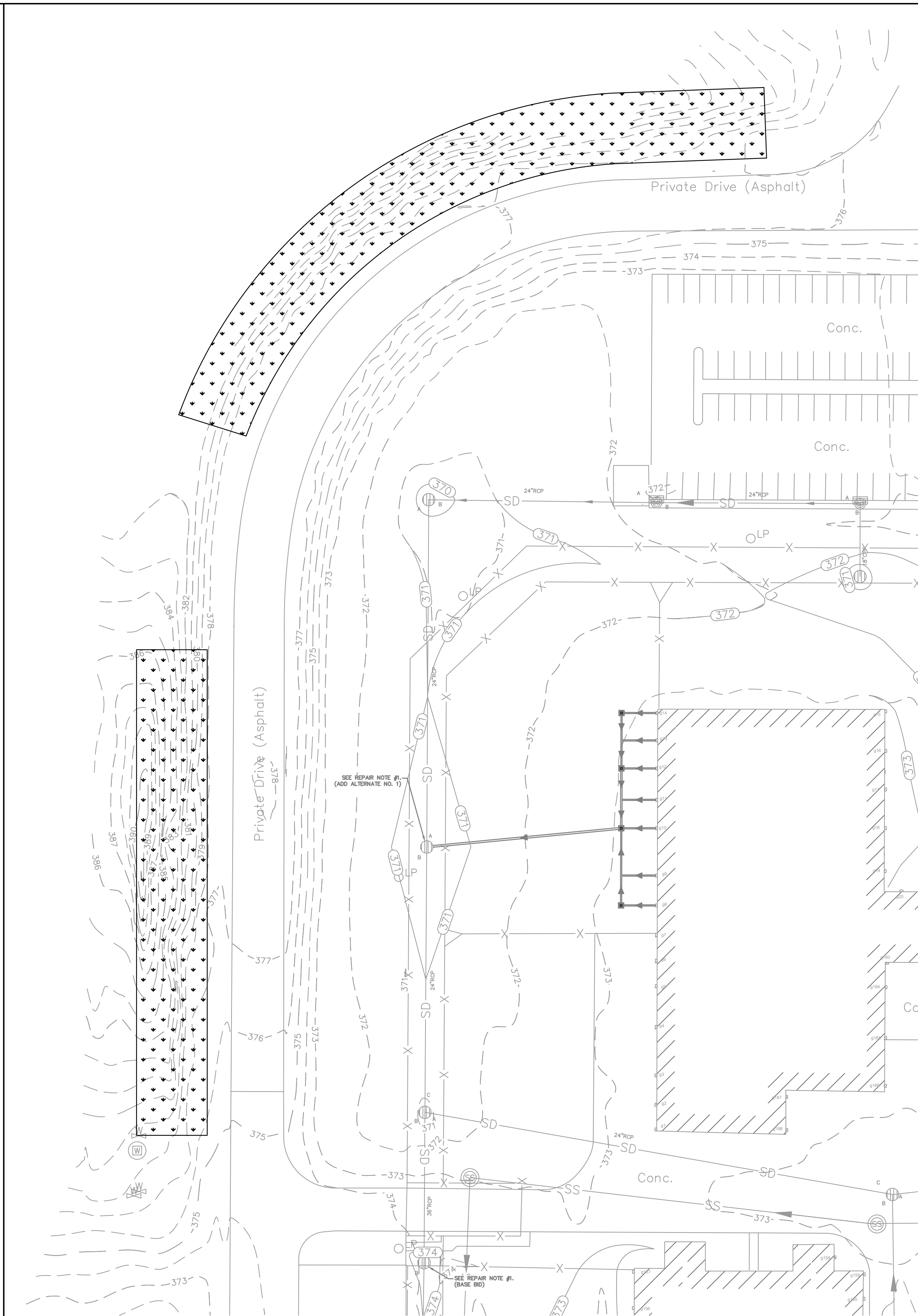
DRAWING NUMBER:

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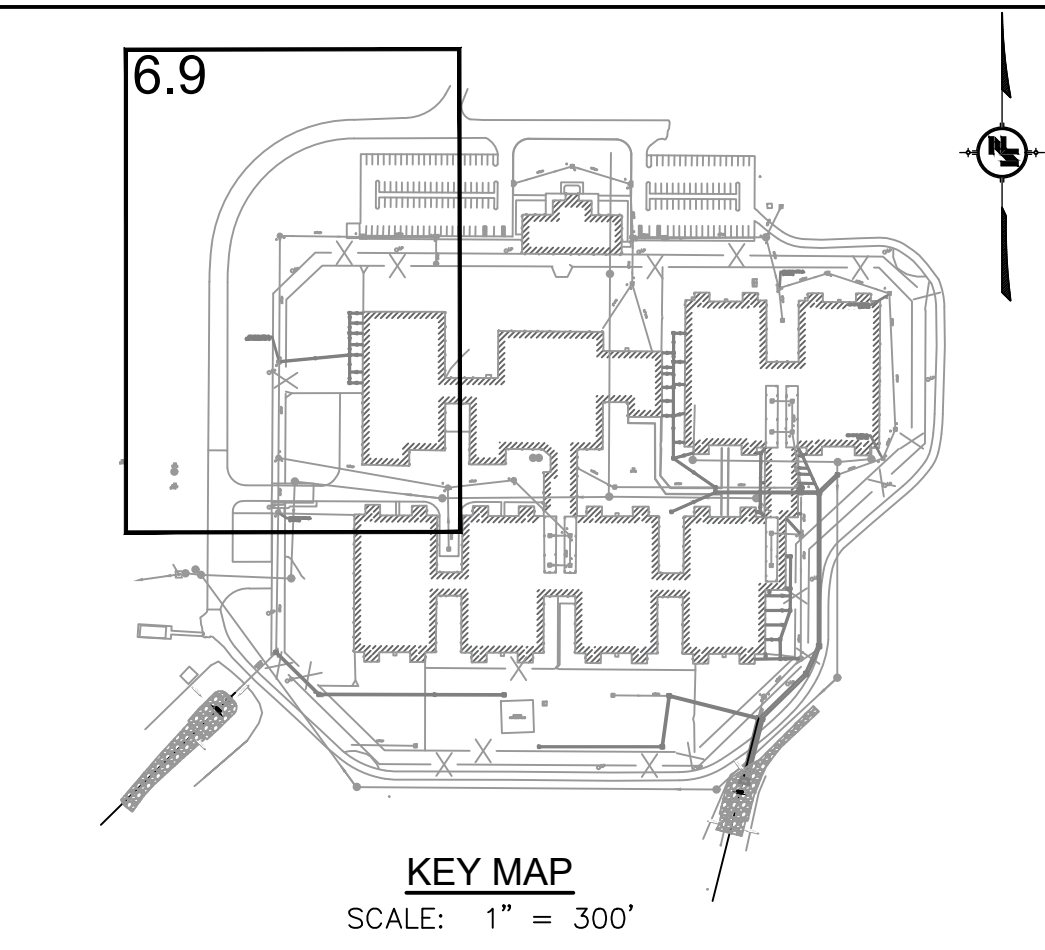
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	07/28/23	DMR	ADDED NEW SHEET FOR ADD ALTERNATE #5.

DRAWING INFORMATION	
N-S PROJECT NO.:	NS.17225.105
FILENAME:	17225-WG-Grass.dwg
SCALE:	AS ANNOTATED
SURVEYED BY:	
DSGN:	DATE: 04/2023
DRWN:	DATE: 04/2023
CHKD:	DATE: 04/2023
QA/QC:	DATE: 04/2023



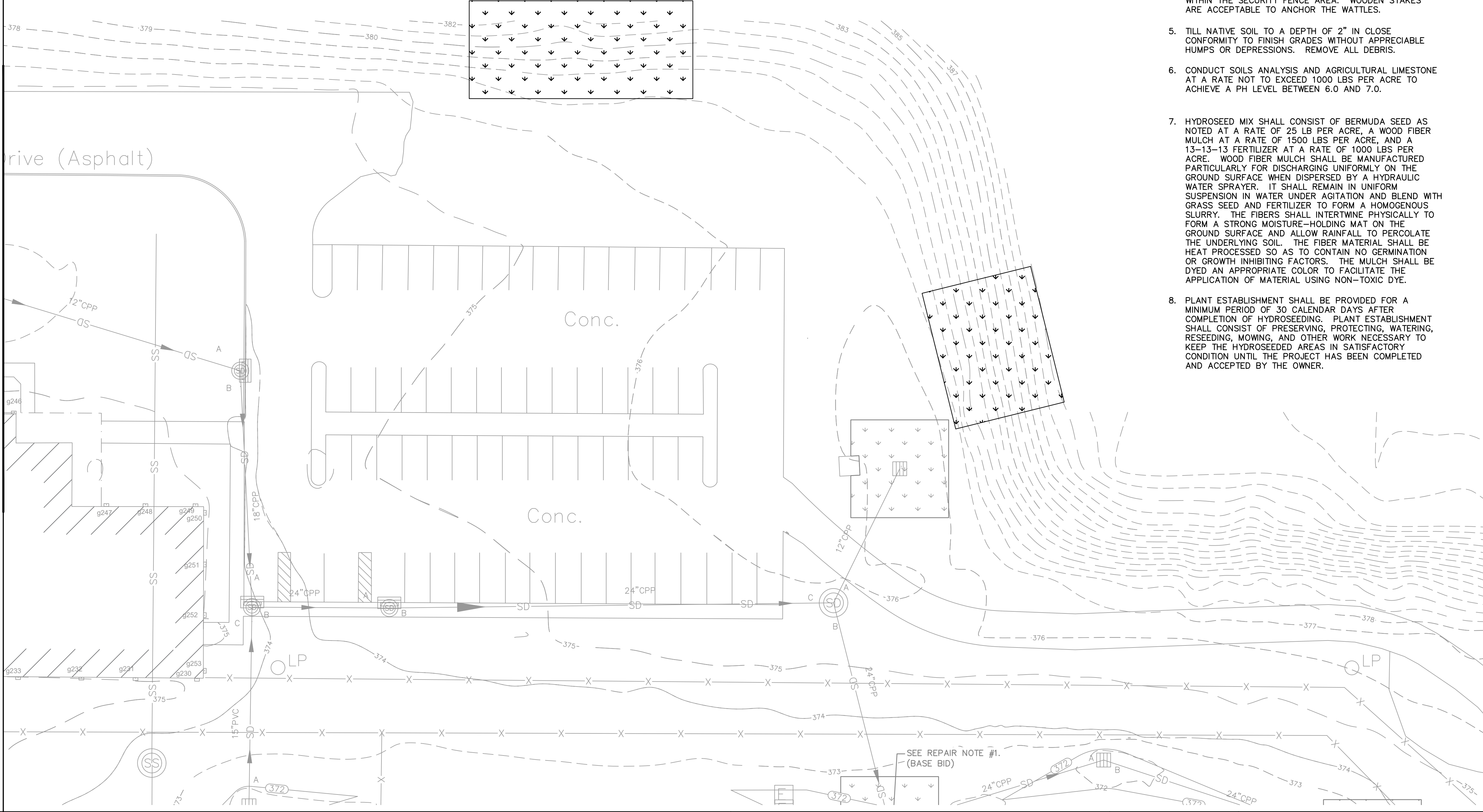
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501 NORTH WEST STREET,  
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JACKSON, MISSISSIPPI 39201

ARPA INFRASTRUCTURE  
GS#: 320-071 ARPA INFR. - WGFC STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023

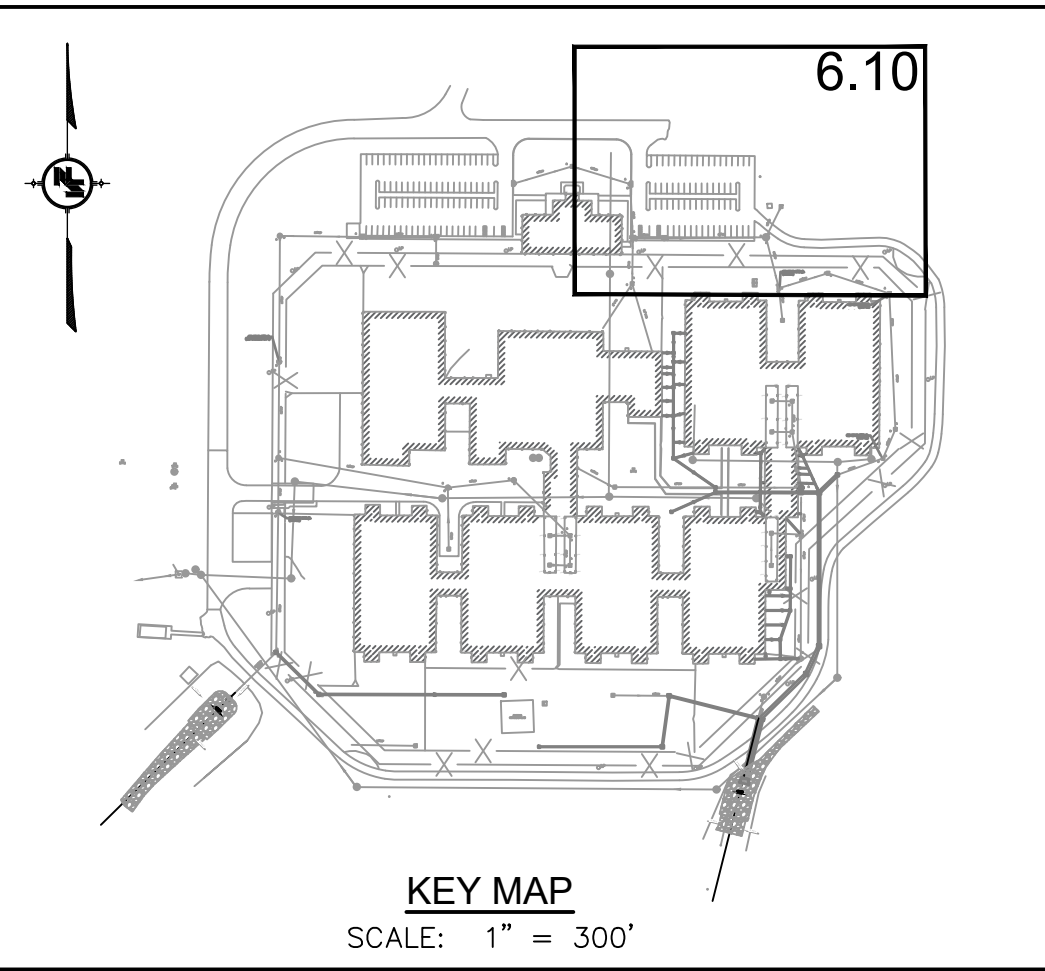
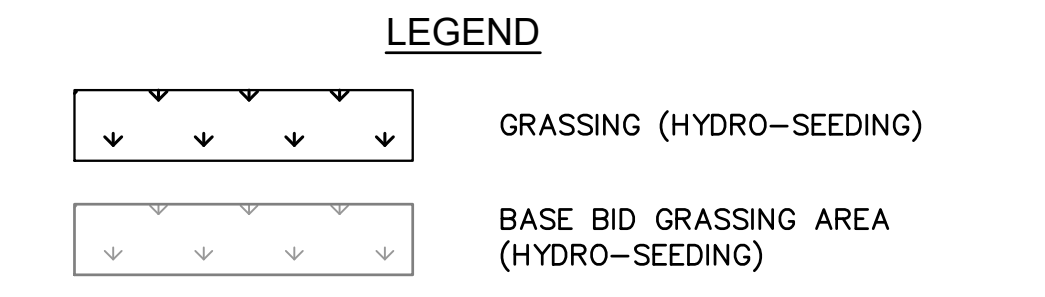
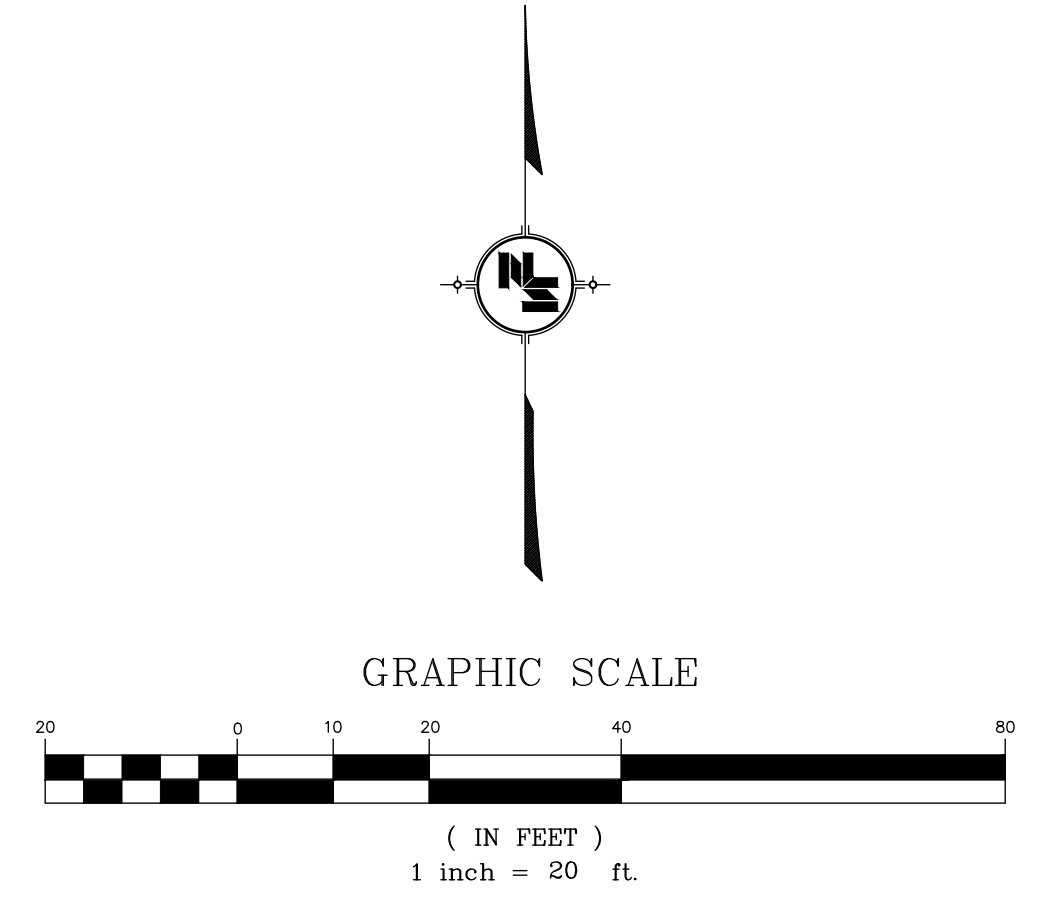


**SITE GRASSING AND SURFACE REPAIR PLAN (ADD ALTERNATE NO. 5)**

WORKING NUMBER: DRAWING NUMBER:  
**C06.9**



- NOTES:**
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REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.:	FILENAME:
▲	07/28/23	DMR	ADDED NEW SHEET FOR ADD ALTERNATE #5.	NS.17225.105	17225-WG-Grass.dwg
				SCALE:	AS ANNOTATED
				SURVEYED BY:	
		DSGN:	DATE:	04/2023	
		DRWN:	DATE:	04/2023	
		CHKD:	DATE:	04/2023	
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GS#: 320-071 ARPA INFR. - WGCF STORM  
WALNUT GROVE CORRECTIONAL FACILITY  
APRIL 2023



**SITE GRASSING AND SURFACE REPAIR PLAN (ADD ALTERNATE NO. 5)**

WORKING NUMBER: DRAWING NUMBER:  
**C06.10**