

## ADDENDUM NO. TWO (2)

Date: 03/28/2022 Architect's Project No. A20-159

Project: IFB 22-003 Sugar Hill Historic Cemetery

Client: City of Sugar Hill

Contract for: General Contracting

*This Addendum forms a part of the Contract Documents and Construction Drawings and modifies the original Bid Documents for the above referenced project.*

### CHANGES TO THE CONTRACT DOCUMENTS

#### A. CHANGES TO THE SPECIFICATIONS

1. Refer to attached revised Section 00 30 00 Bid Form for updated Unit Prices and Allowances requirements.
2. Refer to attached revised Section 01 27 00 Unit Prices and Allowances for updated Unit Prices and Allowances requirements.

#### B. CHANGES TO THE DRAWINGS

1. All existing and new drives within the property boundaries shall be paved with gravel paving per detail 4/C2.1 as part of the base bid. Asphalt paving of these areas shall be included as an add alternate. Refer to attached revised sheet C2.1, Bid Form and Section 012700 Unit Prices and Allowances.
2. Omit all grading activities and reduce scope of erosion control needed at cemetery plots 58 – 75 in northwest corner of property. Refer to revised sheets C2.1, C3.1 and C5.1.
3. Reduce new paving required and limits of disturbance at cemetery plots 36 & 37 in northwest corner of property. Refer to revised sheets C2.1, C3.1 & C5.1.
4. Refer to concrete flume detail on sheet C2.2.
5. Construction entrance shall be provided coming into the new grading limits from the Church Street Entrance where the existing cemetery plots stop. Refer to revised sheet C5.1.
6. Revise multiple storm water pipe sizes and 25-yr storm chart. Refer to revised sheet C6.1.

#### C. CONTRACTOR QUESTIONS

- Q1. Please confirm if the Contractor's Qualification Statement (AIA 305) is required with the bid or afterwards if awarded.
- A1. Contractor's Qualification Statement (AIA 305) is required with the bid.**
- Q2. When does the City anticipate awarding this project and executing contracts? Current material pricing is very volatile and how quickly we can release material orders will effect how we have to price this project.
- A2. Estimated award date April 11, 2022.**

- Q3. The project has a substantial completion time of 120 days. Lead times on most materials is running around 60-90 days. This would be after submittals are approved and it is released for production. When will project time be started and how will lead time issues be handled?
- A3. **Specific lead times will be discussed with the awarded contractor during the Pre-Construction meeting.**
- Q4. Since there is no Geotech report, if rock is encountered in the storm drain installation, will the contractor be paid for the additional work required to remove the rock?
- A4. **See Section 00 80 00 Article 7 – Changes in the Work. Refer to updated Bid form and Section 01 27 00 Unit Prices for removal of trench rock.**
- Q5. Please confirm that the total value of the unit prices and allowances that are broken out on the bid form is to be included in the lump sum base bid total.
- A5. **Yes, all allowance amounts indicated on the bid form shall be included in the lump sum base bid and shall be indicated as line items on the General Contractor's Schedule of Values.**
- Q6. Is the new striping shown on the plans to be paint or thermoplastic?
- A6. **If the asphalt paving alternate is selected by the Owner then all associated striping shall be paint.**
- Q7. The scale on sheet C4.1 states it is 1"=20' but that cannot be correct, please clarify the scale so takeoff quantities are accurate.
- A7. **Scale on sheet C4.1 is 1"=10'.**
- Q8. Plan Sheet C4.1 shows a new 1" gas line and meter. The notes say the contractor is to pay an approved City of Sugar Hill contractor to perform this work. Can a list of approved contractors be provided? And Can this be an allowance item since the City should dictate the price of this work?
- A8. **The City's Gas Utility will perform the gas tap and meter installation for this project. Any and all repairs to surrounding streetscape shall be performed by the City's Gas Utility. Contractor shall include stubbing up and capping of gas line from meter into cemetery as shown on drawings in base bid.**
- Q9. Plan Sheet C4.1 shows a new ¾" irrigation service that comes off a line in Whitehead Road. This work will require open cutting Whitehead Rd, demolition of curb and gutter, and demolition of sidewalk. What are the restoration requirements for this work?, Is it only what is disturbed?, Are there work hour restrictions for shutting down the lane and closing Whitehead to eastbound traffic? If the line is further in the road than measured, the entire road will have to be closed to install the line. Will milling and overlay of the road be required outside the patch needed for the ditch repair?
- A9. **See attached Sugar Hill Development Regulations 7.5 Street Cuts for construction standards on street cuts. Regarding possible road closure, the road closure would need to be scheduled for off-peak traffic hours and follow traffic safety regulations, including detouring, signage and flagman.**
- Q10. Is NPDES monitoring required?
- A10. **No, Project limits of disturbance are under 1 Acre, therefore NPDES monitoring shall not be required.**

- Q11. Does the City anticipate any clearing being required for the new fence that is outside the grading operation and run along the west property line up to the existing wall near Broad Street Entrance #1?
- A11. **The General Contractor shall be required to clear a five foot (5') wide path as needed for installation of the fencing and brick piers. As a general rule, where the fence is located directly along a property boundary the centerline of the fence shall be located 2'-0" inboard of the property boundary. Contractor shall include clearing as required in base bid.**
- Q12. On the existing gravel drives that will either be paved or gravel, is the contractor to excavate and remove the existing gravel drive and install the 8 ½" pavement section back to existing grade or is the pavement section placed on top of what is there now?
- A12. **Removal and offsite disposal of existing gravel and associated undercutting in order to install the specified 8 ½" gravel paving shall be required to be included in base bid.**
- Q13. The new fill wall on the west property line shows the new fence with brick columns. That may be an issue with the wall designer and require a much larger and deeper concrete footing as to not load the wall. If the wall designer does not sign off on the brick column design, will the City pay for the additional concrete it may take to install per the plans? Will PPI design the updated column footing?
- A13. **Bidders shall include the following in their base bid. Footings for brick piers along the top of the modular block retaining wall shall be set with the bottom of footing at the bottom of wall elevation. A 2' x 2' fully grouted CMU masonry pier with vertical reinforcing as shown on the drawings shall extend from the top of the footing up to 8" below finish grade. At that elevation the pier construction shall transition to the 16"x16" CMU pier and brick veneer as indicated on the drawings.**

**D. CLARIFICATIONS**

None at this time

**E. ATTACHMENTS**

- 003000 Bid Form
- 012700 Unit Prices and Allowances
- Sugar Hill Development Regulations Section 7.5 Street Cuts.
- Bid Alternate #5 Exhibit
- Revised Drawing Sheets C2.1, C2.2, C3.1, C5.1 & C6.1

**PLEASE NOTE: Contractors should acknowledge receipt of this Addendum on BID FORM 00 30 00-1 . Failure to do so may result in rejection of bid.**

END OF ADDENDUM NO. TWO (2)

SECTION 00 30 00

BID FORM

Bid for General Contracting for the **IFB 22-003 Historic Cemetery**

Bid submitted by:

\_\_\_\_\_  
(Name of Contractor) *(Hereinafter referred to as "BIDDER")*

City of Sugar Hill *(Hereinafter referred to as "OWNER")*  
5039 West Broad Street  
Sugar Hill, GA 30518

Ladies and Gentlemen:

The BIDDER by making a bid represents that the following have taken place:

- The BIDDER has read and understands the bidding documents and the bid is made in accordance therewith.
- The BIDDER has read and understands the bidding or contract documents to the extent that such documentation relates to the work for which the bid is submitted and to other portions of the project, if any, being bid concurrently or presently under construction.
- The BIDDER has visited the site, become familiar with local conditions under which the work is to be performed, and has correlated the BIDDER'S personal observations with the requirements of the proposed contract documents.
- The BID is based upon the materials, equipment, and systems required by the bidding documents without exception.
- The BIDDER has studied and compared the bidding documents with each other and has reported to the architect in writing any errors, inconsistencies, or ambiguities discovered.
- The BIDDER hereby agrees to commence work under this contract on or before a date to be specified in a written "Notice to Proceed" of OWNER and to fully complete the project within the time frame as described in Section 00 03 00, Advertisement for Bids.
- The BIDDER acknowledges receipt of the following addenda:

ADDENDUM NO.	DATE RECEIVED

- The BIDDER understands that the OWNER reserves the right to reject any or all bids and to waive any informalities in the bidding.

- The BIDDER agrees that his bid shall be binding and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.
- The BIDDER agrees that the bid security attached in the sum of five (5%) percent of the total bid is to become the property of the OWNER in the event the Contract and bonds are not executed within the time set forth, as liquidated damages for the delay and additional expense to the OWNER caused thereby.
- The BIDDER proposed to furnish all services, labor and materials required by them for the entire work and to **include a Construction Contingency amount equal to five (5%) percent of the Lump Sum Base Bid Amount indicated below within the Lump Sum Base Bid** in accordance with said documents for the sum of:

**LUMP SUM BASE BID:**

\$ \_\_\_\_\_

\_\_\_\_\_ (Dollars) (\$ \_\_\_\_\_)

Which sum is hereinafter called the "Base Bid".

**CONTRACT TIME: 120 DAYS**

The following Extensions are submitted as part of this Lump Sum Proposal (see Section 01 27 00 – Unit Prices and Allowances for additional information). These estimated unit price quantities are included in the scope of the work upon which the Contract Sum is based. All cubic yard (CY) volumes for unit prices shall be measured as ‘in place’ compacted volume. The Proposer declares that he understands that the quantities work shown, for the Unit Prices items, are approximate only and are subject to either increase or decrease, and that should the quantities of any of the items of the work be increased, the Proposer proposed to do the additional work at the unit prices listed herein; and should the quantities be decreased, the Proposer also understands that payment will be made on the basis of actual quantities at the unit price proposal and will make no claim for anticipated profits for any decrease in quantities and that the actual quantities will be determined upon completion of the work; at which time adjustment will be made to the Contract Sum direct increase or decrease.

**SCHEDULE OF UNIT PRICES AND ALLOWANCES:**

Unit Prices shall be included for the following items:

ITEM	QUANTITY/ UNIT	UNIT PRICE	ALLOWANCE
<b>1. <u>Unsuitable Material:</u></b>			
a. Removal and disposal off-site of unsuitable materials.	50 CY	\$_____/CY	\$_____
<b>2. <u>Suitable Soil:</u></b>			
a. Provide suitable soil from off-site and compact in-place to replace excavated rock or unsuitable soil.	50 CY	\$_____/CY	\$_____
<b>3. <u>Stone Base:</u></b>			
a. Haul in and placement of #57 stone.	25 TONS	\$_____/TON	\$_____
<b>4. <u>Graded Aggregate Base (GAB):</u></b>			
a. Haul in and placement of GAB. Haul in and compaction must be approved by, monitored, and quantified by the Owner's Geotechnical Engineer.	25 TONS	\$_____/TON	\$_____
<b>5. <u>Drainage Basins:</u></b>			
a. Provide and install additional Nyloplast 24" drainage basins as specified.	2 EA	\$_____/EA	\$_____
<b>6. <u>HDPE Storm Piping:</u></b>			
a. Provide and install additional 18" HDPE storm piping as specified.	100 LF	\$_____/LF	\$_____
<b>7. <u>Trench Rock:</u></b>			
a. Excavate, haul off-site and dispose of trench rock.	25 CY	\$_____/CY	\$_____
<b>8. <u>Mass Rock:</u></b>			
a. Excavate, haul off-site and dispose of mass rock.	25 CY	\$_____/CY	\$_____
<b>9. <u>Construction Contingency Allowance</u></b>			
a. Provide a Contingency Allowance in the amount of 5% of the Lump Sum Base Bid amount. Refer to specification section 01 27 00 Unit Prices and Allowances.	N/A	5%	\$_____

### **SCHEDULE OF ALTERNATES:**

Alternate Prices shall be provided for the items indicated below. Please clearly indicate whether the alternate price provided is a deductive price or additive price.

ITEM	ALTERNATE PRICE	
<hr/>		
1. <u>Asphalt Paving:</u>		
a. Provide an additive alternate price to provide medium duty asphalt paving in lieu of the gravel paving as specified at cemetery drives as indicated on detail 3/C2.1. The scope of this additive alternate will only be for drives within the boundaries of the cemetery property. Asphalt paving will be required to be included in base bid at the Sugar Hill Distillery parking lot entrance to the new cemetery gate at Church Street Entrance #2 as indicated on C2.2.	ADD	\$ _____
2. <u>Brick Fencing Columns:</u>	DEDUCT	\$ _____
a. Provide a deductive alternate price to omit the Brick Fencing Columns as indicated on C7.1 at all new fencing locations. Decorative Aluminum fencing shall be continuous around perimeter of cemetery where new fencing is indicated on C2.1 with Posts at 8'-0" OC max.		
3. <u>Omit PVC Water Piping:</u>	DEDUCT	\$ _____
a. Provide a deductive alternate price to omit all 1.5" SCH 40 PVC water lines as indicated on C2.1 and all associated shut-off valves and in-grade boxes. All domestic water line and meter work indicated on sheet C4.1 shall remain in General Contractor's scope of work.		
4. <u>Omit PVC Electrical Conduit:</u>	DEDUCT	\$ _____
a. Provide a deductive alternate price to omit all 2" SCH 40 PVC electrical conduit as indicated on C2.1 and all associated pull strings and in-grade boxes.		
5. <u>Additional Grading:</u>		
a. Provide an additive alternate price to provide additional suitable fill and grading at plots #58 - #75 in the northwest corner of the site as indicated in attached exhibit.	ADD	\$ _____

**Failure to return this page as part of bid document may result in rejection of bid.**

- \* Unsuitable soils are defined as those containing deleterious matter (such as organics, alluvium, debris and/or trash).
- \* Subgrade is defined as the material located directly below the granular base beneath slabs-on-grade, footings or pavement. It shall consist of suitable soil material (whether existing or structurally placed by the contractor) able to meet compaction requirements as. Under no circumstances will the Contractor receive payment for undercut of fill materials placed by the Contractor.

Respectfully Submitted:

\_\_\_\_\_  
(Contractor Name)

By: \_\_\_\_\_  
(Signature)

Title: \_\_\_\_\_

Business Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Federal I.D. or Social Security No.: \_\_\_\_\_

ATTEST: \_\_\_\_\_  
(Signature)

Name: \_\_\_\_\_  
(Please Type)

*NOTE: Attest for a Corporation must be by the corporate secretary; for a Partnership by another partner; for an Individual by a Notary.*

END OF SECTION 00 30 00



## SECTION 01 27 00

### UNIT PRICES AND ALLOWANCES

#### PART 1 – GENERAL

##### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and other Division 1 Specification Sections, apply to this Section.

##### 1.02 SUMMARY

- A. Section includes:
  - 1. Definition
  - 2. Administrative and procedural requirements for unit prices.
  - 3. Schedule of Unit Prices, at the end of this Section.

##### 1.03 DEFINITION

- A. A unit price is an amount calculated and proposed by the Contractor in the Bidding Form as a price per unit of measurement for materials or services that will be added to or deducted from the Contract Sum by Change Order in the event certain unexpected work items are encountered or certain estimated quantities of work required by the Contract Documents are increased or decreased.

##### 1.04 ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS

- A. Unit prices as included in the Contract Documents shall include all expenses related to the unit price work items, that is materials, labor, equipment, transportation, general requirements, overhead, profit, taxes and any other costs incidental to the work items.
- B. The individual Specification Sections for the construction activities requiring the establishment of unit prices provide for the conditions under which said unit prices will be authorized and the methods of determining payment-quantities. The Contractor will be compensated only for the quantities of unit price work completed.
- C. The Schedule of Unit Prices is included with the Bid Form. Any Specification Sections referenced in that Schedule contain the requirements for materials and/or methods described for each unit price.
- D. The Schedule of Unit Prices may be used to determine changes to the Contract Sum. Where quantities of items for which unit prices are provided, they are estimates; and are included in the scope of the Work upon which the Contract Sum is based. The Contractor will be compensated for the actual quantities of unit price items completed at the established unit price rates. These actual extensions of unit prices for work completed, whether requiring a decrease or an increase in the Contract Sum, will be incorporated into the Contract Sum through a modification to the Contract by Change Order. Procedures for such modifications are included in Specification Section 01 25 00.

#### PART 2 – PRODUCTS (NOT USED)

#### PART 3 – EXECUTION (NOT USED)

**SCHEDULE OF UNIT PRICES AND ALLOWANCES**

Unit Prices shall be included for the following items and **must** be listed on the Bid Form, section 00 30 00.

ITEM	QUANTITY/ UNIT	UNIT PRICE	ALLOWANCE
<b>1. <u>Unsuitable Material:</u></b>			
a. Removal and disposal off-site of unsuitable materials. Excavation and haul off must be approved by, monitored, and quantified by the Owner's Geotechnical Engineer.	50 CY	\$_____/CY	\$_____
<b>2. <u>Suitable Soil:</u></b>			
a. Provide suitable soil from off-site and compact in- place to replace excavated rock or unsuitable soil. Haul in and compaction must be approved by, monitored, and quantified by the Owner's Geotechnical Engineer.	50 CY	\$_____/CY	\$_____
<b>3. <u>Stone Base:</u></b>			
a. Haul in and placement of #57 stone. Haul in and compaction must be approved by, monitored, and quantified by the Owner's Geotechnical Engineer.	25 TONS	\$_____/TON	\$_____
<b>4. <u>Graded Aggregate Base (GAB):</u></b>			
a. Haul in and placement of GAB. Haul in and compaction must be approved by, monitored, and quantified by the Owner's Geotechnical Engineer.	25 TONS	\$_____/TON	\$_____
<b>5. <u>Drainage Basins:</u></b>			
a. Provide and install additional Nyloplast 24" drainage basins as specified.	2 EA	\$_____/EA	\$_____
<b>6. <u>HDPE Storm Piping:</u></b>			
a. Provide and install additional 18" HDPE storm piping as specified.	100 LF	\$_____/LF	\$_____
<b>7. <u>Trench Rock:</u></b>			
a. Excavate, haul off-site and dispose of trench rock. Excavation and haul off must be approved by, monitored, and quantified by the Owner's Geotechnical Engineer.	25 CY	\$_____/CY	\$_____
<b>8. <u>Mass Rock:</u></b>			
a. Excavate, haul off-site and dispose of mass rock. Excavation and haul off must be approved by, monitored, and quantified by the Owner's Geotechnical Engineer.	25 CY	\$_____/CY	\$_____
<b>9. <u>Construction Contingency Allowance</u></b>			
a. Provide a Contingency Allowance in the amount of 5% of the Lump Sum Base Bid amount. Refer to specification section 01 27 00 Unit Prices and Allowances.	N/A	5%	\$_____

END OF SECTION 01 27 00

2.0	20	20	20	20	25	25	25	30	30	30	35	35	40
2.5	20	20	20	20	25	25	25	30	30	35	35	35	40
3.0	20	20	20	20	25	25	30	30	30	35	35	35	40
3.5		20	20	20	25	25	30	30	30	35	35	40	40
4.0		20	20	20	25	25	30	30	30	35	35	40	40
4.5			20	25	25	25	30	30	35	35	35	40	40
5.0			20	25	25	25	30	30	35	35	35	40	40
5.5				25	25	30	30	30	35	35	40	40	40
6.0				25	25	30	30	30	35	35	40	40	40

7.4.3 Permanent sanitary sewer easements shall be no less than 20 feet in width when no other parallel utilities are located therein. When warranted, temporary construction easement widths shall be determined by the Gwinnett County Public Utilities Dept., Water Pollution Control Division.

7.4.4 A common 30-foot wide easement for sanitary sewer and drainage purposes may be allowed if the pipes are parallel and at least 10 feet is provided between pipes (on center).

7.4.5 Drainage easements shall be provided where a development is traversed by or contains a water course, impoundment, detention facility, floodplain, natural stream or channel. It shall conform substantially to the limits of such natural drainage feature, but shall be no less than 20 feet in width.

7.4.6 Drainage easements off the street right-of-way shall be clearly defined on the Final Plat. The property owner will be required to keep the easement free of obstruction in such a way as to assure the maximum designed flow at all times. The property owner shall not alter any drainage improvements without the prior written approval from the City. Structures, except driveways, shall not be constructed or erected in an easement without the prior written approval from the City. Driveways shall cross an easement as close to perpendicular as practical. Property owners may plant landscaping in an easement that is piped; however, the City is not responsible for replacing the landscape material located in the easement when it is removed to maintain the drainage system.

7.4.7 All drainage, sewer, access or other easements which were required to be cleared shall be fine graded and grassed within 10 days of completing construction work. The use of sediment control measures may be required to protect the area until a comprehensive vegetative cover is obtained.

### Section 7.5 Street Cuts.

7.5.1 All utility construction plans within City or County right-of-way shall be reviewed and approved by the City or the Gwinnett County Dept. of Transportation before construction begins. Street cuts shall not be allowed unless deemed absolutely necessary due to the presence of rock, the need to tap into an existing line beneath the road surface, or other circumstance which makes boring impossible or infeasible.

7.5.2 No street cut shall be authorized until such Street Cut Fees have been paid.

7.5.3 If approved, all trenches shall be backfilled and compacted the same day the trench is opened.

- a. Trenches under the paving shall be returned to 95% compaction.
- b. Trenches elsewhere shall be returned to 90% compaction.
- c. See Section 6.7 for trench compaction and test requirements.

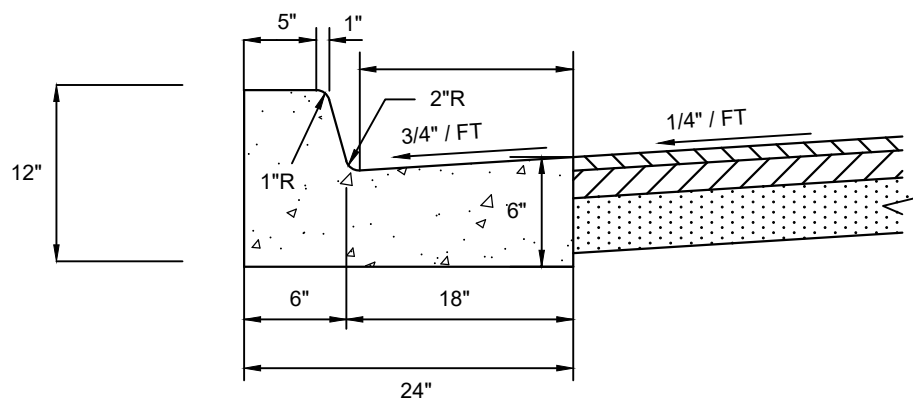
7.5.4 All trenches under paving shall be concreted with 8" of Class "A" concrete base and 1 1/2 inch of type "E" or "F" wearing course asphalt is to be spread.

- a. The paving cut shall be widened to a minimum of 9" beyond the edges of the trench.
- b. The edges of the paving cut shall be smooth.

7.5.5 Contact the City or Gwinnett County Public Utilities Department for public utility extension information from the existing to the proposed development. Contact the City and/or the Gwinnett County Traffic Engineer at least 24 hours in advance of closure of traffic lanes.

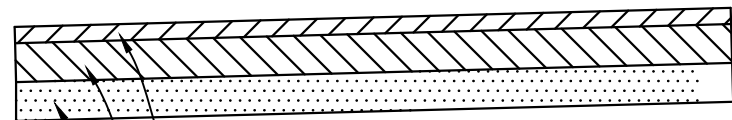






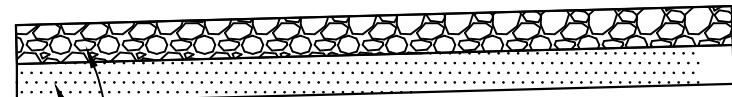
NOTES:  
1. EXPANSION JOINTS REQUIRED AT ALL STRUCTURES, CURB RETURNS AND PLACED EVERY MAXIMUM 50' O.C.  
2. CONCRETE STRENGTH 3000 P.S.I.

2 24" CURB & GUTTER  
SCALENTS



1 1/2" ASPHALT TOPPING  
9.5 mm SUPERPAVE, TP 2 GP2  
2" ASPHALT BINDER  
19 mm SUPERPAVE, GP 1 OR 2  
6" GRADED AGGREGATE BASE - MAX. 1" COMPACTED TO 100% STD. PROCTOR. SUBGRADE PREPARED IN ACCORDANCE WITH GA. DOT SPECIFICATIONS.

3 MEDIUM DUTY PAVEMENT  
SCALENTS



6" MIN. GRADED AGGREGATE  
BASE PER D.O.T. SPEC 815  
COMPACT SUBGRADE PER D.O.T. SPEC 209

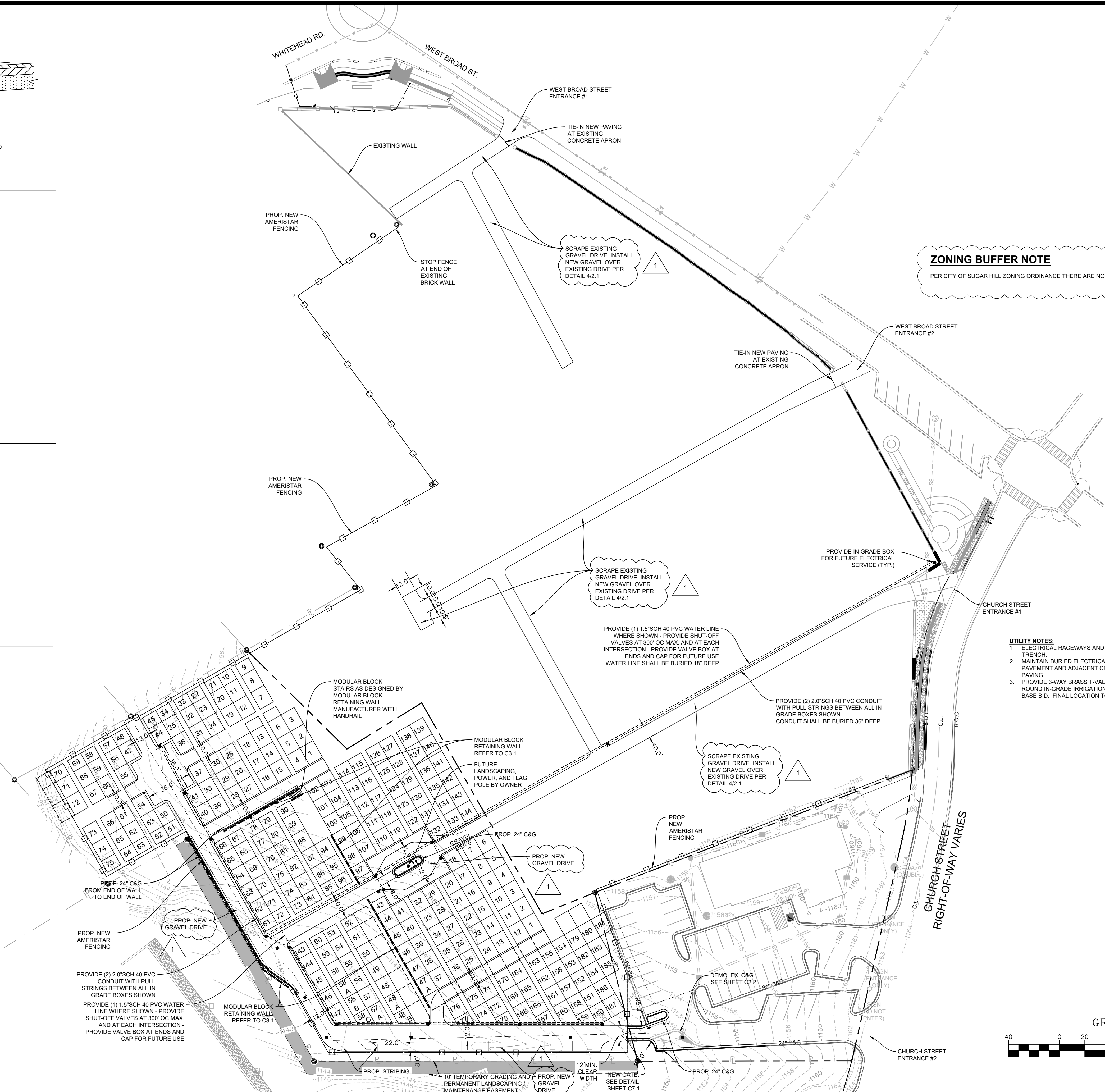
4 GRAVEL DRIVE  
SCALENTS

PUBLIC NOTICE:

THE CITY OF SUGAR HILL AND/OR GWINNETT COUNTY ASSUMES NO RESPONSIBILITY FOR OVERFLOW OR EROSION OF NATURAL OR ARTIFICIAL DRAINS BEYOND THE EXTENT OF THE STREET RIGHT-OF-WAY, OR FOR THE EXTENSION OF CULVERTS BEYOND THE POINT SHOWN ON THE APPROVED AND RECORDED PLAN. THE CITY OF SUGAR HILL AND/OR GWINNETT COUNTY DOES NOT ASSUME THE RESPONSIBILITY FOR THE MAINTENANCE OF PIPES IN DRAINAGE EASEMENTS BEYOND THE CITY/COUNTY RIGHT-OF-WAY.



Know what's below.  
Call before you dig.



ZONING BUFFER NOTE

PER CITY OF SUGAR HILL ZONING ORDINANCE THERE ARE NO BUFFERS REQUIRED FOR THIS PROJECT SITE.

UTILITY NOTES:

1. ELECTRICAL RACEWAYS AND WATER LINES INDICATED SHALL BE BURIED IN THE SAME TRENCH.
2. MAINTAIN BURIED ELECTRICAL RACEWAYS AND WATER LINES BETWEEN EDGE OF PAVEMENT AND ADJACENT CEMETERY COPING/LOTS. DO NOT BURY LINES UNDER PAVING.
3. PROVIDE 3-WAY BRASS T-VALVE IN WATER LINE EVERY 100' WITH 3/4" STUB UP AND 6" ROUND IN-GRADE IRRIGATION BOX. INCLUDE TWELVE (12) 3-WAY VALVE LOCATIONS IN BASE BID. FINAL LOCATION TO BE VERIFIED BY OWNER PRIOR TO INSTALLATION.

OWNER / DEVELOPER

CITY OF SUGAR HILL  
5039 WEST BROAD STREET  
SUGAR HILL, GA 30518  
CONTACT: TIM SCHICK  
PHONE: 770-945-6734  
EMAIL: TSCHICK@CITYOFSUGARHILL.COM

ARCHITECT

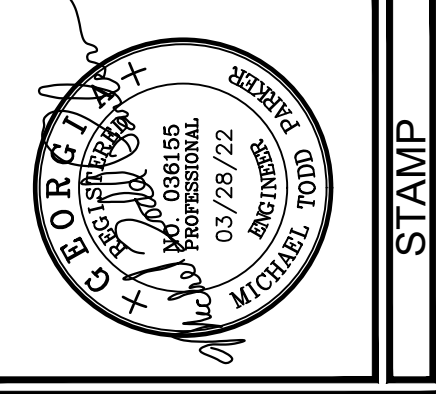
PRECISION PLANNING, INC.  
400 PIKE BOULEVARD  
LAWRENCEVILLE, GA 30046  
CONTACT: KENT SNYDER  
PHONE: 770-338-8000  
EMAIL: 752KS@PPI.US

GRAPHIC SCALE



( IN FEET )  
1 inch = 40 ft.

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**PRECISION**  
Planning Inc.  
planners • engineers • architects • surveyors  
400 Pike Boulevard, Lawrenceville, Ga 30046  
770.338.8000 • www.ppi.us

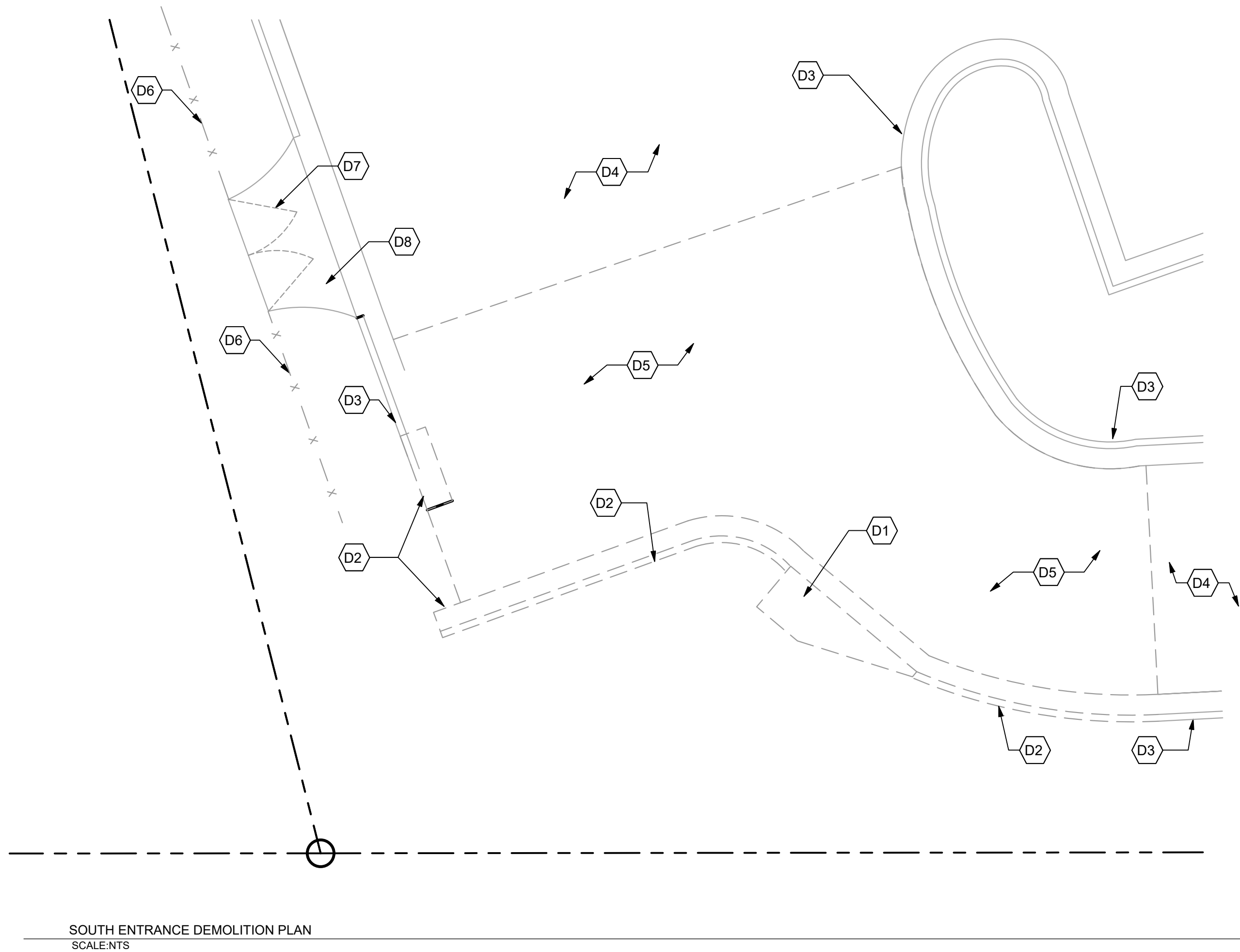
**SUGAR HILL**  
**CEMETERY**  
West Broad Street  
Sugar Hill, GA 30518  
7th District, Land Lot 291

SITE PLAN		SHEET TITLE		CHECKED		TP	
				DRAWN		MB	
				DESIGN		MB	

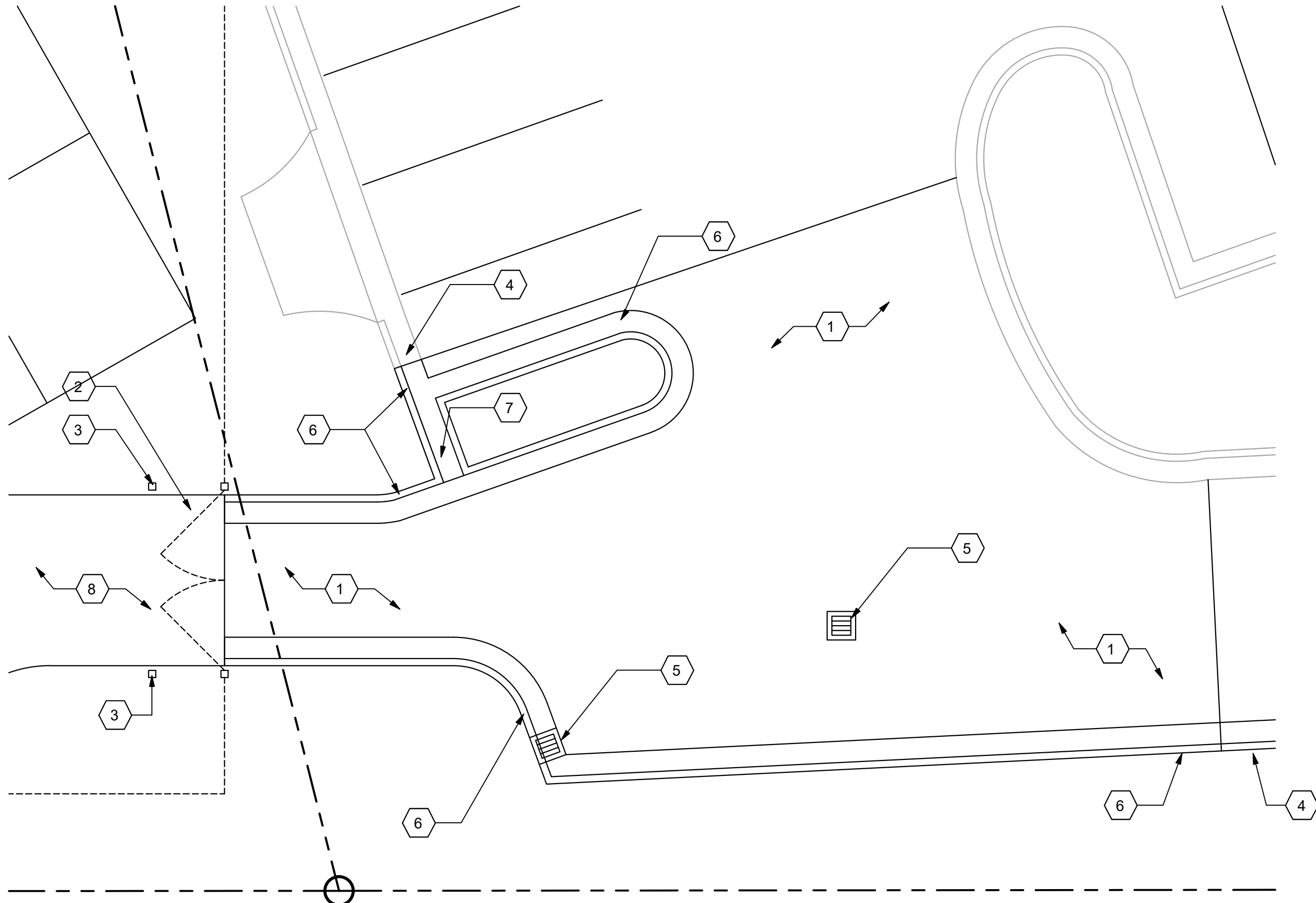
DATE	NO.	DESCRIPTION
1/24/2022	1	RELEASE FOR PLAN REVIEW
3/28/2022	2	PLAN REVIEW COMMENTS
3/28/2022	3	RELEASE FOR CONSTRUCTION

04/07/2021  
DATE  
A20-159  
PPI PROJECT NO.

C2.1



SOUTH ENTRANCE DEMOLITION PLAN  
SCALE: NTS

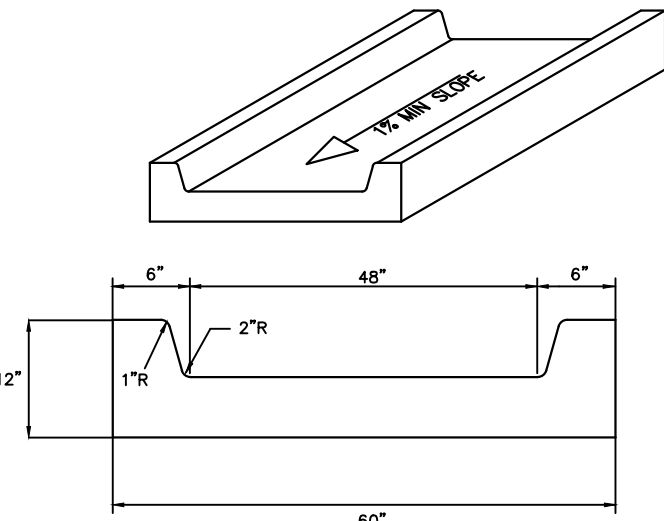


SOUTH ENTRANCE NEW PLAN  
SCALE: NTS

#### Demolition Plan Keynotes

- D1 EXISTING STORM SEWER STRUCTURE TO BE MODIFIED TO ALIGN WITH NEW GRADES.
- D2 DEMO PORTION OF EXISTING CONCRETE CURB AND GUTTER AS REQUIRED FOR CONSTRUCTION OF NEW ENTRANCE.
- D3 EXISTING CURB AND GUTTER TO REMAIN.
- D4 EXISTING ASPHALT PAVING TO REMAIN.
- D5 DEMO PORTION OF EXISTING ASPHALT PAVING AS REQUIRED FOR NEW CURB & GUTTER AND PAVING. - REFER TO CIVIL.
- D6 EXISTING WOODEN PRIVACY FENCE TO BE DEMOLISHED.
- D7 EXISTING WOODEN GATE TO BE DEMOLISHED.
- D8 EXISTING CONCRETE APRON TO REMAIN.

NOTES:  
1: EXPANSION JOINTS REQUIRED AT ALL STRUCTURES, CURB RETURNS AND PLACED EVERY MAXIMUM 50' O.C.  
2: CONCRETE STRENGTH = 3000 PSI  
CONTRACTOR IS TO VERIFY LOCAL REQUIREMENTS



CONCRETE FLUME DETAIL

#### New Reference Plan Keynotes

- 1 NEW ASPHALT PAVING AT ENTRANCE AND APRON - REFER TO MEDIUM DUTY ASPHALT PAVING DETAIL SHEET C2.1.
- 2 NEW COMMERCIAL GRADE DECORATIVE SWING GATE - REFER TO DETAILS C7.1.
- 3 NEW SWING GATE POST STOP WITH LATCH.
- 4 EXISTING CURB AND GUTTER TO REMAIN.
- 5 STORM SEWER STRUCTURE - REFER TO C3.1.
- 6 NEW 3,000 PSI CONCRETE CURB AND GUTTER - TIE INTO EXISTING.
- 7 NEW 3,000 PSI CONCRETE FLUME - TIE INTO EXISTING CURB & GUTTER - REFER TO C2.2.
- 8 NEW GRAVEL PAVING - REFER TO GRAVEL DRIVE DETAIL 4/C2.1

#### OWNER / DEVELOPER

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5039 WEST BROAD STREET  
SUGAR HILL, GA 30518  
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**SUGAR HILL  
CEMETERY**

West Broad Street  
Sugar Hill, GA 30518  
7th District, Land Lot 291

DEMOLITION &  
ENTRANCE PLAN

SHEET TITLE

CHECKED  
TP

DRAWN  
MB

DESIGN  
MB

RELEASE

DATE	NO.	DESCRIPTION
1/24/2022		RELEASE FOR PLAN REVIEW
3/29/2022	1	PLAN REVIEW COMMENTS
3/29/2022		RELEASE FOR CONSTRUCTION

04/07/2021

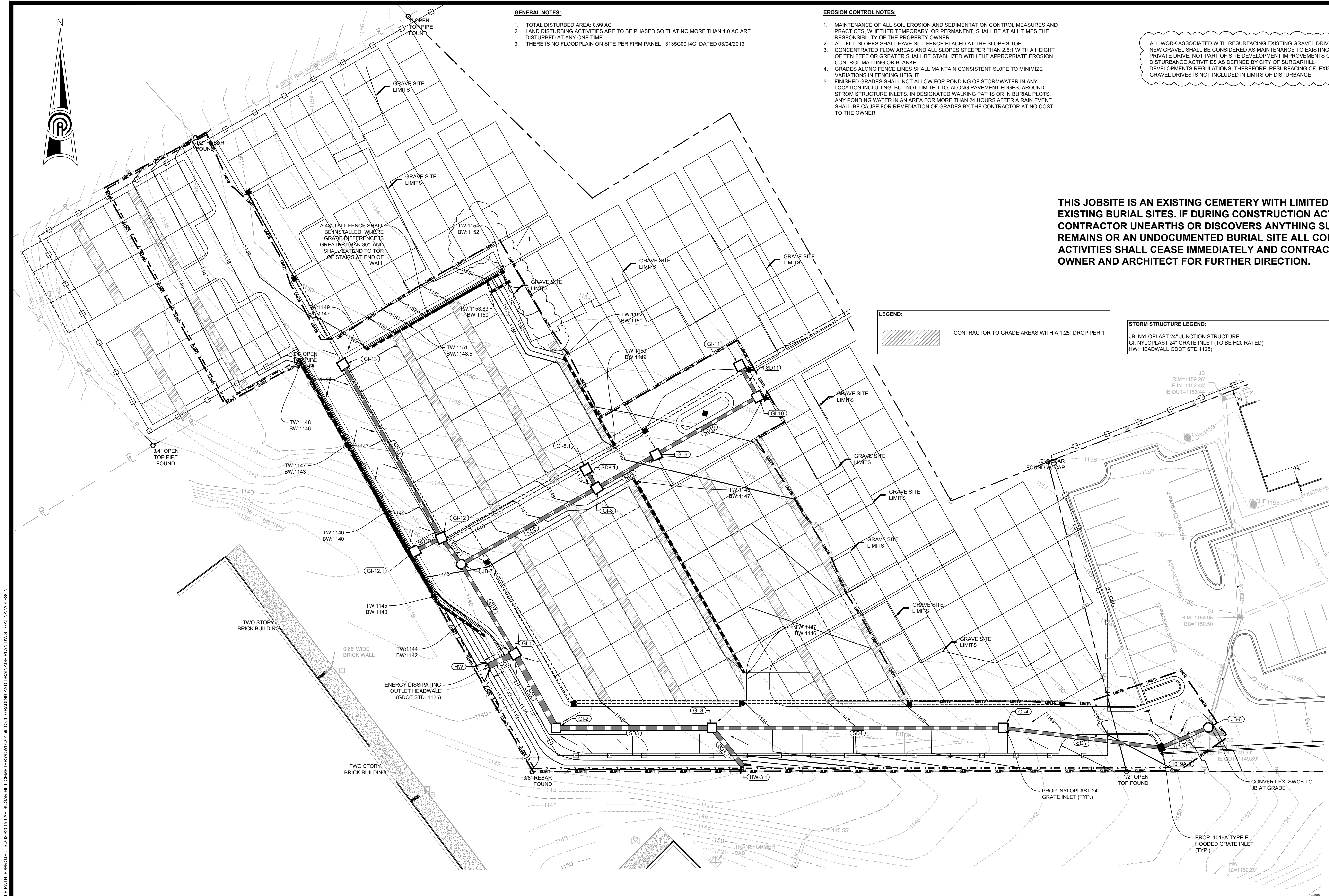
DATE

A20-159

PPI PROJECT NO.

C2.2





- GENERAL NOTES:**
1. TOTAL DISTURBED AREA: 0.89 AC
  2. LAND DISTURBING ACTIVITIES ARE TO BE PHASED SO THAT NO MORE THAN 1.0 AC ARE DISTURBED AT ANY ONE TIME.
  3. THERE IS NO FLOODPLAIN ON SITE PER FIRM PANEL 13135C0014G, DATED 03/04/2013

- EROSION CONTROL NOTES:**
1. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
  2. ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.
  3. CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.
  4. GRADES ALONG FENCE LINES SHALL MAINTAIN CONSISTENT SLOPE TO MINIMIZE VARIATIONS IN FENCING HEIGHT.
  5. FINISHED GRADES SHALL NOT ALLOW FOR PONDING OF STORMWATER IN ANY LOCATION INCLUDING, BUT NOT LIMITED TO, ALONG PAVEMENT EDGES, AROUND STROM STRUCTURE INLETS, IN DESIGNATED WALKING PATHS OR IN BURIAL PLOTS. ANY PONDING WATER IN AN AREA FOR MORE THAN 24 HOURS AFTER A RAIN EVENT SHALL BE CAUSE FOR REMEDIATION OF GRADES BY THE CONTRACTOR AT NO COST TO THE OWNER.

ALL WORK ASSOCIATED WITH RESURFACING EXISTING GRAVEL DRIVES WITH NEW GRAVEL SHALL BE CONSIDERED AS MAINTENANCE TO EXISTING PRIVATE DRIVE, NOT PART OF SITE DEVELOPMENT IMPROVEMENTS OR LAND DISTURBANCE ACTIVITIES AS DEFINED BY CITY OF SUGARHILL DEVELOPMENTS REGULATIONS. THEREFORE, RESURFACING OF EXISTING GRAVEL DRIVES IS NOT INCLUDED IN LIMITS OF DISTURBANCE

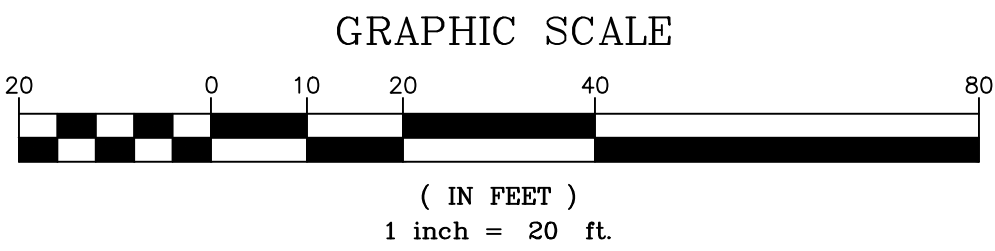
**LEGEND:**

CONTRACTOR TO GRADE AREAS WITH A 1.25" DROP PER 1'

**STORM STRUCTURE LEGEND:**

JB: NYLOPLAST 24" JUNCTION STRUCTURE  
GI: NYLOPLAST 24" GRATE INLET (TO BE H20 RATED)  
HW: HEADWALL GDOT STD 1125)

THIS JOBSITE IS AN EXISTING CEMETERY WITH LIMITED DOCUMENTATION ON EXISTING BURIAL SITES. IF DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR UNEARTHS OR DISCOVERS ANYTHING SUSPECTED TO BE REMAINS OR AN UNDOCUMENTED BURIAL SITE ALL CONSTRUCTION ACTIVITIES SHALL CEASE IMMEDIATELY AND CONTRACTOR SHALL CONTACT OWNER AND ARCHITECT FOR FURTHER DIRECTION.



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SUGAR HILL  
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GRADING AND  
DRAINAGE PLAN

SHEET TITLE	CHECKED	TP
	DRAWN	MB
DESIGN	MB	

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C3.1

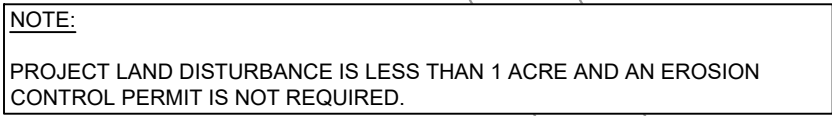
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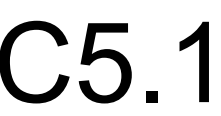
**ARCHITECT**

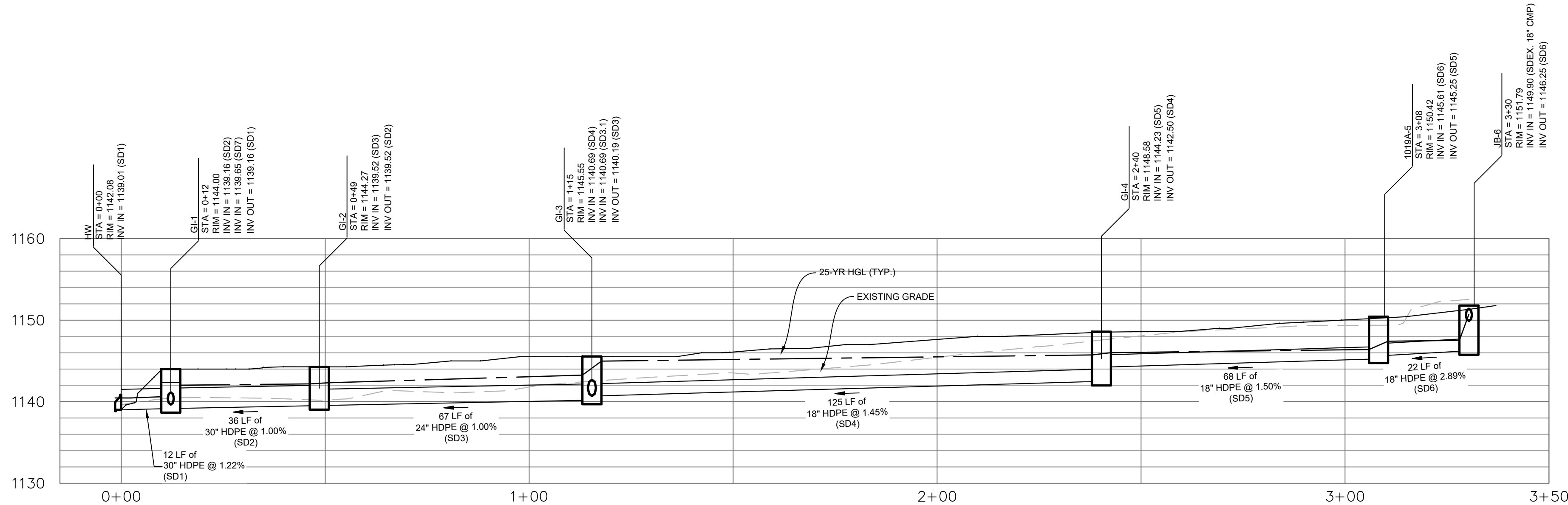
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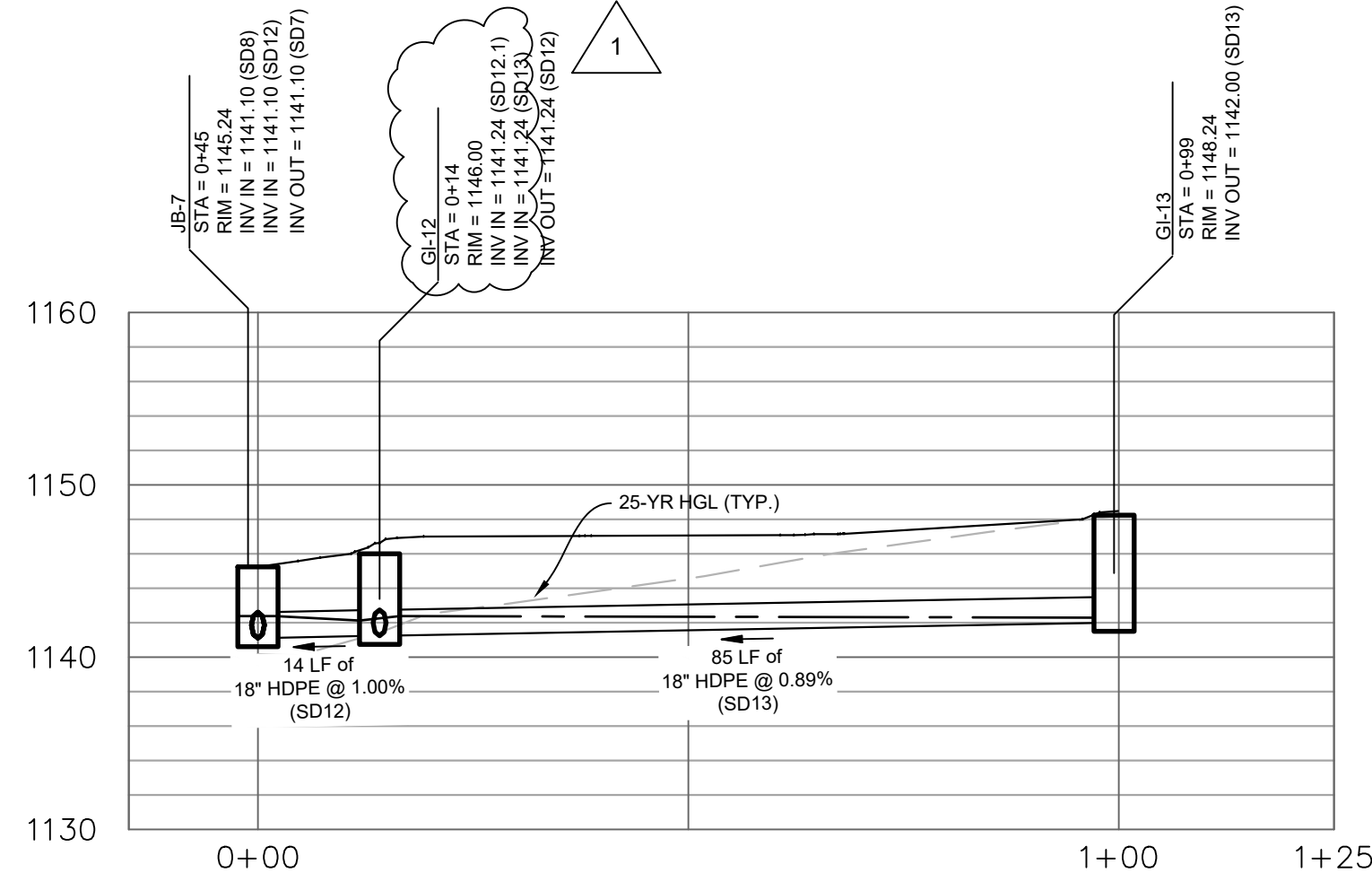


( IN FEET )  
1 inch = 20 ft.

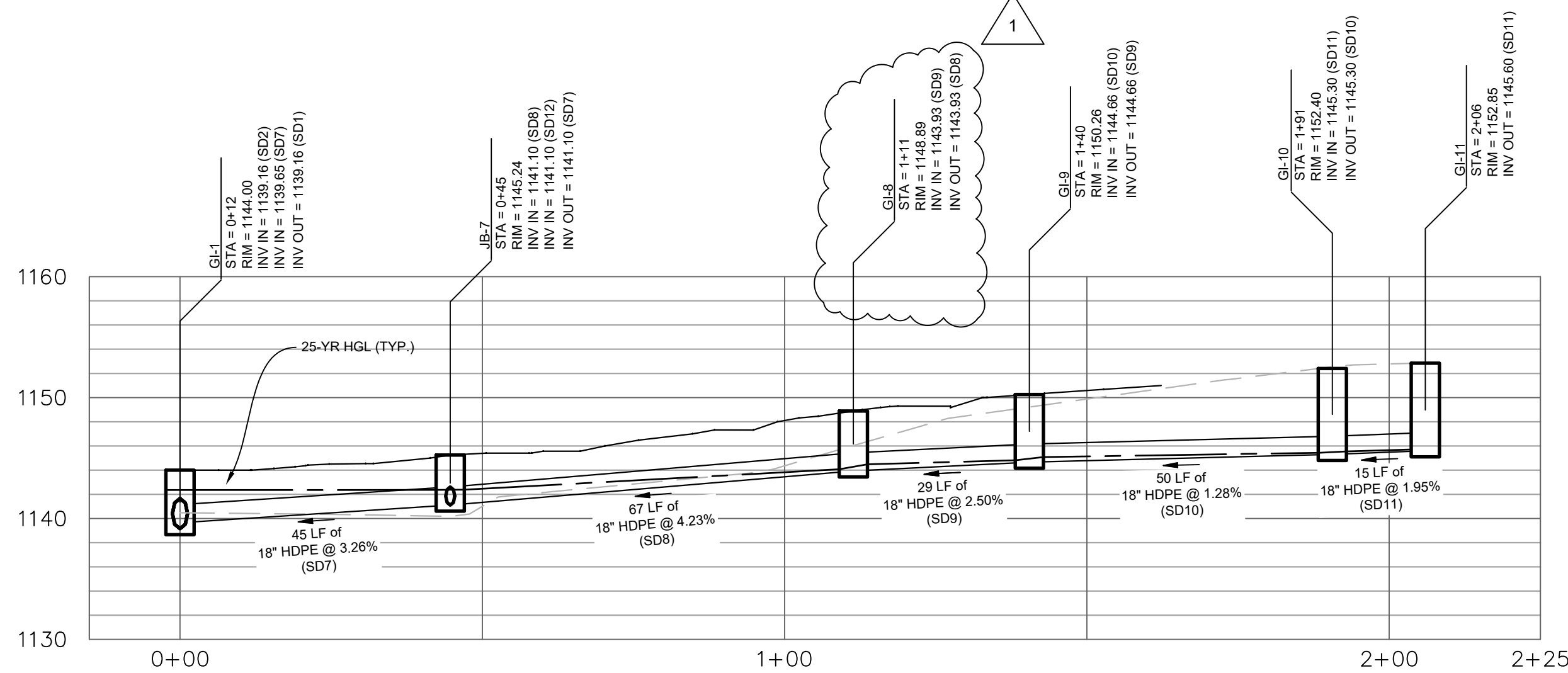




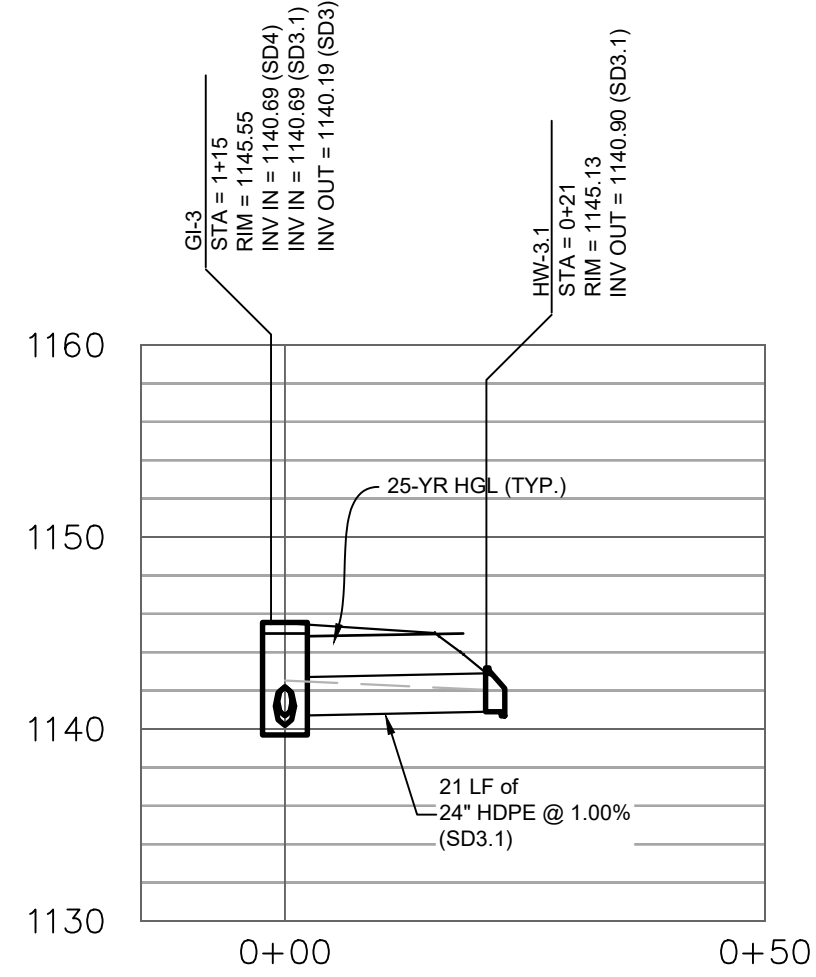
**PROPOSED STORM 1 PROFILE**  
SCALE: 1"=20' HOR; 1"=10' VERT



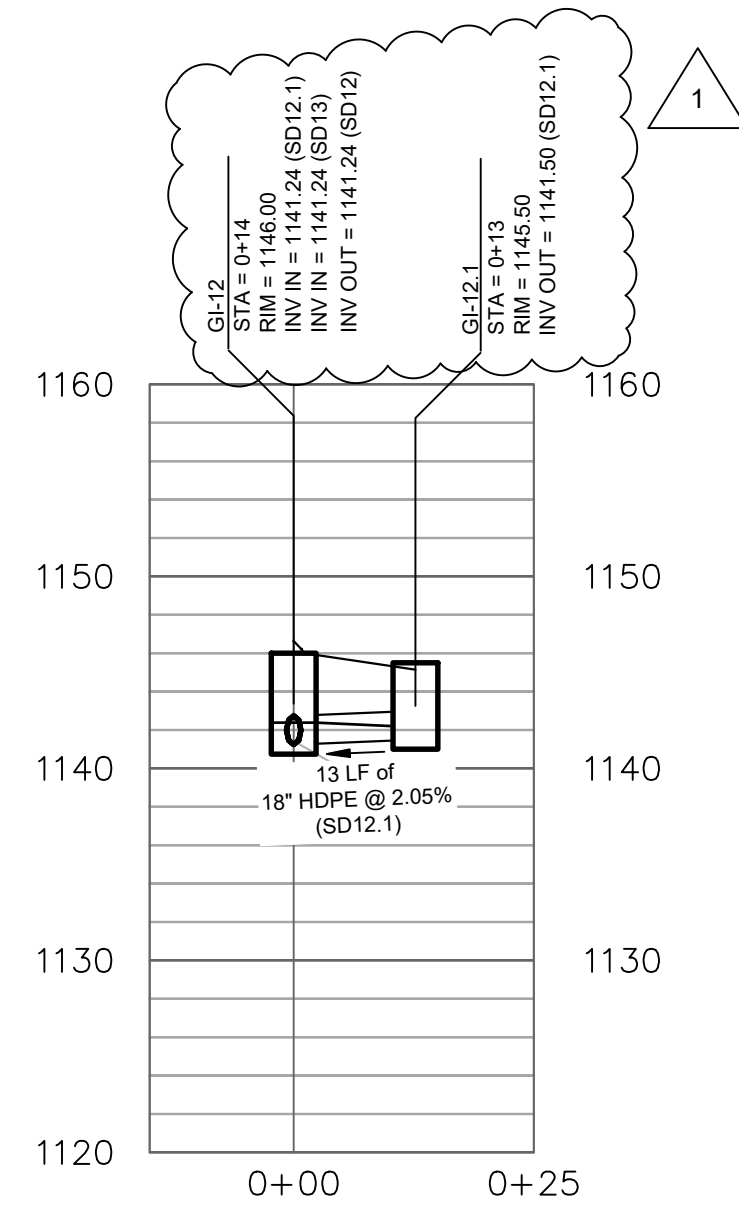
**PROPOSED STORM 3 PROFILE**  
SCALE: 1"=20' HOR; 1"=10' VERT



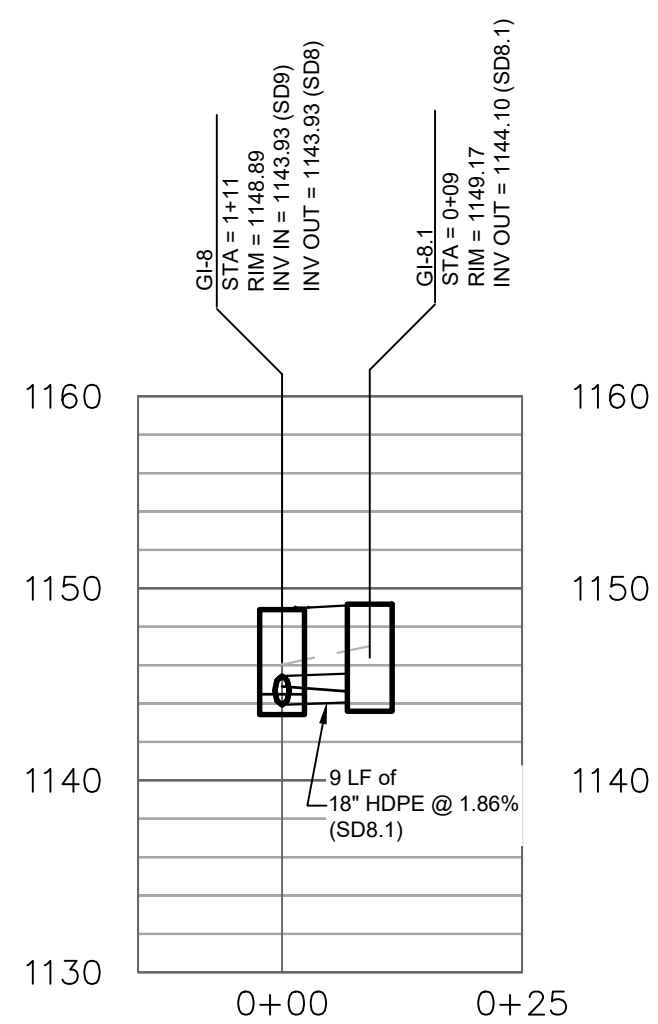
**PROPOSED STORM 2 PROFILE**  
SCALE: 1"=20' HOR; 1"=10' VERT



**PROPOSED STORM 4 PROFILE**  
SCALE: 1"=20' HOR; 1"=10' VERT



**PROPOSED STORM 5 PROFILE**  
SCALE: 1"=20' HOR; 1"=10' VERT



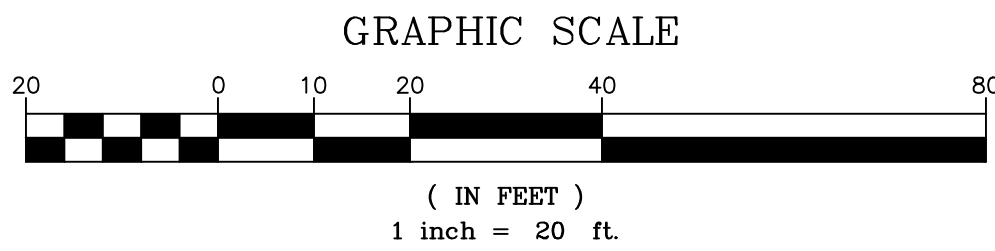
**PROPOSED STORM 6 PROFILE**  
SCALE: 1"=20' HOR; 1"=10' VERT

#Line	Pipe	From	To	3D Length	Drainage / Drainage / Runoff Coeff "C"	Area X "C"	Area X "C"	Time of Cr	Time of Cr	Rain "I"	Runoff "Q"	Known Q	Total Q
				(ft)	(sq. ft) (sq. ft)	(sq. ft)	(sq. ft)	(min)	(min)	(inch/hr)	(cu. ft/sec)	(cu. ft/sec)	(cu. ft/sec)
1	1 GI-1	HW		12.16	11398.96	192373.4	0.4	4559.58	107658.6	5	15.223	5.965	14.865
2	2 GI-2	GI-1		36.37	11181.7	164135.7	0.4	4472.68	94839.48	5	15.161	5.972	13.11
3	3 GI-3	GI-2		66.85	13126.39	152954	0.4	5250.56	90366.8	5	15.04	5.984	12.518
4	4 GI-4	GI-3		124.9	4791.6	22215.6	0.4	1916.64	14549.04	5	10.283	7.057	2.377
5	5 1019A-5	GI-4		67.94	4356	17424	0.85	3702.6	12632.4	5	10.146	7.088	2.073
6	6 JB-6	1019A-5		22.17	4356	13068	0.4	3702.6	8929.8	5	10.111	7.096	1.467
7	EX. 18" CI Structure	JB-6		49.12	8712	8712	0.4	5227.2	5227.2	10	10	7.121	0.862
8	3.1 HW-3.1	GI-3		20.89	117612	117612	0.6	70567.2	70567.2	15	15	5.989	9.783
9	7 JB-7	GI-1		44.72	435.6	16838.74	0.4	174.24	8259.51	5	5.73	8.088	1.546
10	8 GI-8	JB-7		66.73	330.25	5607.63	0.4	264.2	2375.15	5	5.515	8.136	0.447
11	9 GI-9	GI-8		29.12	2492.99	5277.39	0.4	997.2	2110.95	5	5.398	8.163	0.399
12	10 GI-10	GI-9		50.11	856.01	2784.4	0.4	342.41	1113.76	5	5.091	8.232	0.212
13	11 GI-11	GI-10		15.39	1928.38	1928.38	0.4	771.35	771.35	5	5	8.253	0.147
14	12 GI-12	JB-7		14.13	4638.7	10795.51	0.4	3247.79	5710.11	5	5.599	8.117	1.073
15	12.1 GI-12.1	GI-12		12.68	3451.22	3451.22	0.4	1380.49	1380.49	5	5	8.253	0.264
16	13 GI-13	GI-12		85.43	2704.58	2704.58	0.4	1081.83	1081.83	5	5	8.253	0.207

\* FLOW CALCULATIONS BASED ON FULL FLOW OF EXISTING PIPE  
\*\* FLOW CALCULATIONS BASED ON EXISTING CONDITIONS

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**SUGAR HILL CEMETERY**  
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7th District, Land Lot 291

**STORM PROFILES**

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			DESIGN	DRAWN	CHECKED	
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