

ADDENDUM NO. 1

**LINCOLN STREET – DALLIS STREET INTERSECTION IMPROVEMENT
CITY OF LAGRANGE
LAGRANGE, GEORGIA**

SPECIFICATIONS

Delete Specification 00 41 00 – Bid Form and replace with Specification 00 41 00 – Bid Form dated October 2, 2023 included with this addendum. The October 2, 2023 version of the Bid Form shall be used for submittal of Bids unless notified otherwise.

DRAWINGS

Delete Sheets 01-0001, 02-0001, 03-0001, & 06-0001 and replace with Sheets 01-0001, 02-0001, 03-0001, & 06-0001 included with this addendum.

Delete Sheets G0.01, C1.00, L2.00, L3.00, & I1.00 from the Landscape Improvements section and replace with Sheets G0.01, C1.00, L2.00, L3.00, & I1.00 included with this addendum.

Add Sheets C2.00, C2.10, C3.00, C3.10, C4.00, C4.10, C4.20, & C4.30 to the Landscape Improvements section.

Bidder Must Acknowledge Receipt of this Addendum on Bid Form

October 6, 2023

Barge Design Solutions, Inc.
2839 Paces Ferry Road SE, Suite 850
Atlanta, Georgia 30066
(770) 628-7645

LINCOLN STREET – DALLIS STREET INTERSECTION IMPROVEMENT

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

City of LaGrange
200 Ridley Avenue
LaGrange, Georgia 30240

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

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for period of time after the Bid opening as stated in the Advertisement for Bids, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

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

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.

- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in SC-4.02 as containing reliable "technical data," and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in SC-4.06 as containing reliable "technical data."
- E. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- J. Where this Bid Form contains the provision for a bid based on a lump sum price, the Bidder shall be responsible for having prepared its own estimate of the quantities necessary for the satisfactory completion of the Work specified in these Contract Documents and for having based the lump sum price bid on its estimate of quantities.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and

- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

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

Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
1.	Furnishing all products, materials and equipment and performing all labor necessary to complete the Lincoln and Dallis Street Landscape Improvements , including all work shown on the Drawings and/or specified and not included in Items below, the total amount of::		Lump Sum		\$
2.	ADA Ramps	4	EA	\$	\$
3.	Traffic Control		Lump Sum		\$
4.	Construction Allowance		Lump Sum		\$
5.	Grading Complete		Lump Sum		\$
6.	Gr Aggr Base Crs, 10 IN, Incl Matl	380	SY	\$	\$
7.	Recycled Asph Conc 12.5 MM SP, GP 2 Only, Incl Bitum Matl & H Lime	2680	SY	\$	\$
8.	Recycled Asph Conc 19 MM Superpave, GP 1 Or 2, Incl Bitum Matl & H Lime	10	SY	\$	\$
9.	Recycled Asph Conc 25 MM Superpave, GP 1 Or 2, Incl Bitum Matl & H Lime	10	SY	\$	\$
10.	Mill Asph Conc Pvmt, Variable Depth	2680	SY	\$	\$
11.	Conc Sidewalk, 4 IN	40	SY	\$	\$
12.	Conc Curb & Gutter, 6 IN X 30 IN, TP 2	750	LF	\$	\$
13.	Pvmt Reinf Fabric Strips, TP 2, 18 IN Width	750	LF	\$	\$
14.	Storm Drain Pipe, 18 IN, H 1-10	70	LF	\$	\$
15.	Flowable Fill	5	CY	\$	\$
16.	Catch Basin, GP 1	2	EA	\$	\$
17.	Remove Sign	3	EA	\$	\$
18.	Hwy Signs, TP 1 Mat'l, Refl Sheeting, TP 3	66	SF	\$	\$
19.	Ground-Mounted Breakaway Sign Support	7	EA	\$	\$
20.	Thermoplastic Solid Traffic Stripe, 5 IN, White	1600	LF	\$	\$
21.	Thermoplastic Solid Traffic Stripe, 5 IN, Yellow	1100	LF	\$	\$
22.	Thermoplastic Solid Traffic Stripe, 24 IN, White	54	LF	\$	\$
23.	Thermoplastic Solid Traffic Stripe, 8 IN, White	300	LF	\$	\$

24.	Rem Exist Traf Strip & Markings, All Kinds & Type	550	LF	\$	\$
25.	Temporary Grassing	0.5	AC	\$	\$
26.	Mulch	3	TN	\$	\$
27.	Construction Exit	1	EA	\$	\$
28.	Construct & Remove Compost Filter Sock	39	LF	\$	\$
29.	Construct & Remove Inlet Sediment Traps	7	EA	\$	\$
30.	Maintenance of Temporary Silt Fence, TP A	175	LF	\$	\$
31.	Maintenance of Construction Exit	1	EA	\$	\$
32.	Maintenance of Inlet Sediment Traps	7	EA	\$	\$
33.	Temporary Silt Fence, Type A	350	LF	\$	\$
34.	Barrior Fence (Orange), 4 FT	600	LF	\$	\$
35.	Permanent Grassing	0.5	AC	\$	\$
36.	Agricultural Lime	3	TN	\$	\$
37.	Fertilizer Mixed Grade	0.5	TN	\$	\$
38.	Fertilizer Nitrogen Content	50	LB	\$	\$
39.	Sod	100	SY	\$	\$
40.	Cash Allowances				
a.	Soils and Concrete Testing	Allowance			\$ 2,500.00
ADDITIONAL WORK IF ORDERED BY THE ENGINEER					
34.	Removal of Unsuitable Material and Replacement with				
a.	Crushed Stone	50	CY	\$	\$
b.	Suitable Earth Material	50	CY	\$	\$

BID TOTAL, ITEMS 1 THROUGH 34, INCLUSIVE, THE AMOUNT OF _____

 _____ DOLLARS (\$ _____).

Bidder acknowledges Unit Prices have been determined in accordance with Paragraph 11.03.C of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Bid Bond
 - B. Statement of Bidders Qualifications
 - C. Non-Collusion Affidavit of Prime Bidder
 - D. Corporate Certificate
 - E. Georgia Security and Immigration Compliance Act Affidavits
 - F. Contractor's License Certification

ARTICLE 8 – DEFINED TERMS

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

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid submitted by:

An Individual

Name (typed or printed): _____

By: _____ (SEAL)
(Individual's signature)

Doing business as: _____

Attest: _____
(Notary)

Name (typed or printed): _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(Signature of general partner – attach evidence of authority to sign)

Name (typed or printed): _____

Attest: _____
(Signature of another Partner)

Name (typed or printed): _____

A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature)

Name (typed or printed): _____

Title: _____
(CORPORATE SEAL)

Attest: _____
(Signature of Corporate Secretary)

Name (typed or printed): _____

A Joint Venture

Name of Joint Venturer: _____

First Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of first joint venture partner)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of second joint venture partner)

Name (typed or printed): _____

Title: _____

(Each joint venturer must sign. The manner of signing for each individual partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

All Bidders shall complete the following:

Bidder's Business address: _____

Phone: _____ Facsimile: _____

Primary Contact: _____

Primary Contact E-mail: _____

Submitted on: _____, 20____.

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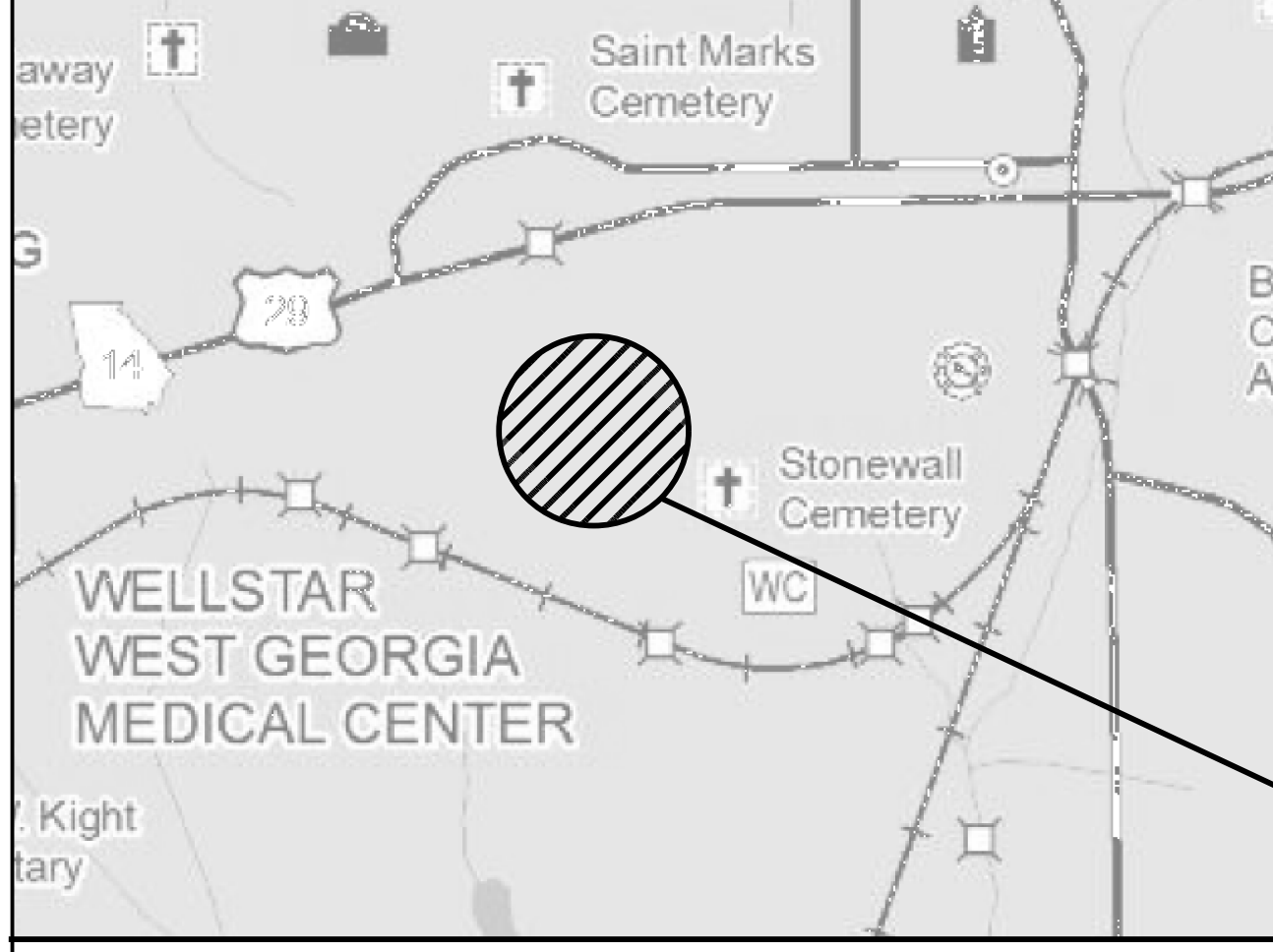
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2300 Wilson Boulevard, Suite 400, Arlington, VA 22201-3308
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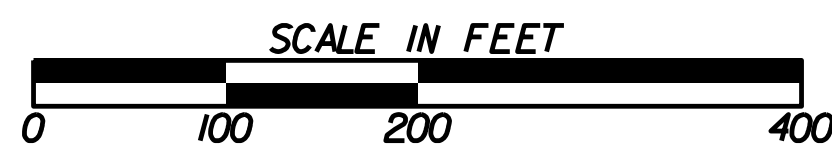
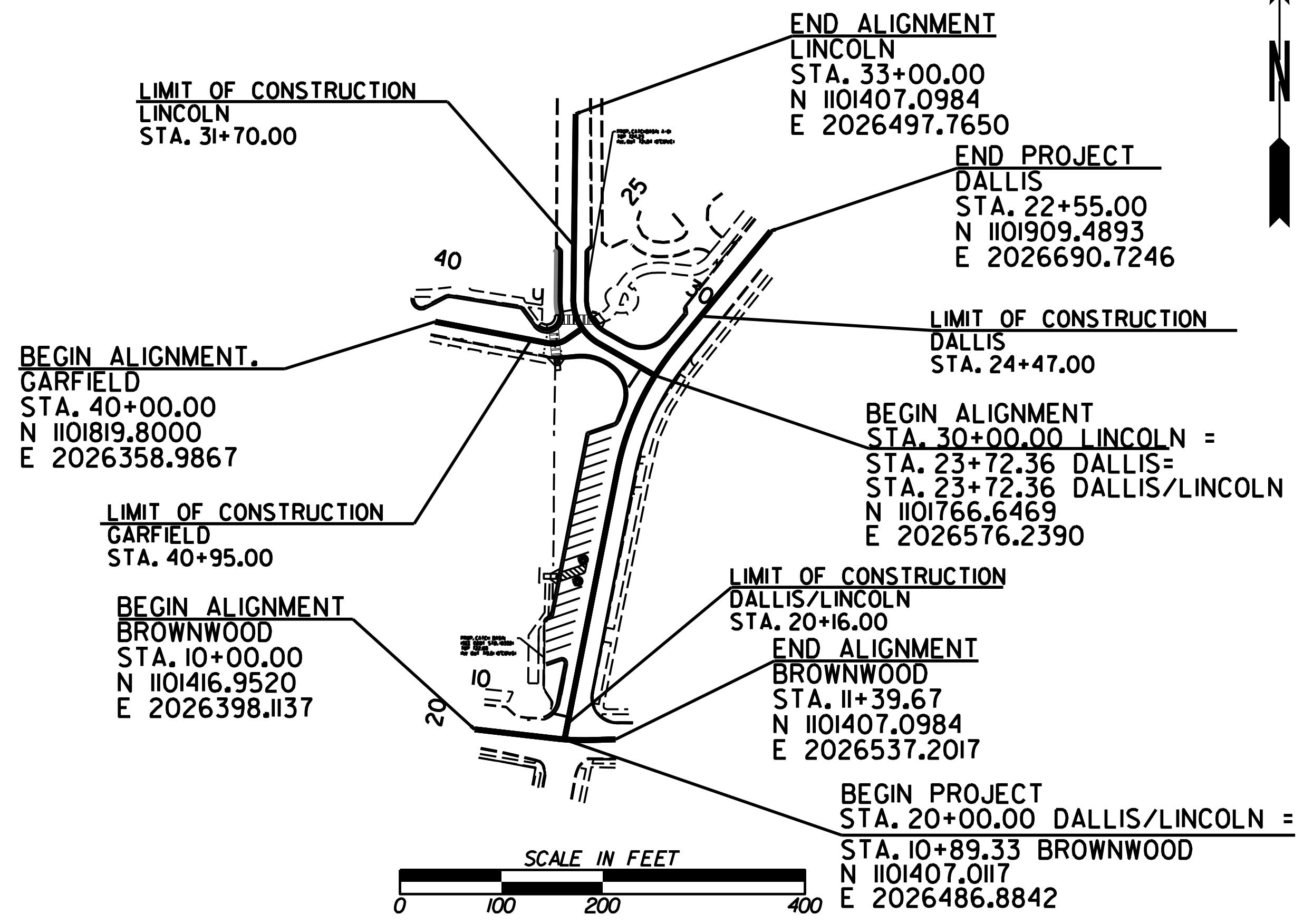
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LOCATION SKETCH (N.T.S.)

CITY OF LAGRANGE TROUP COUNTY

LINCOLN STREET - DALLIS STREET INTERSECTION IMPROVEMENT



FUNCTIONAL CLASS:
 DALLIS STREET: MINOR COLLECTOR
 LINCOLN STREET: LOCAL ROAD
 GARFIELD STREET: LOCAL ROAD
 THIS PROJECT IS 100% IN
 TROUP COUNTY AND IS
 100% IN CONG. DIST. NO. 3.

THIS PROJECT HAS BEEN PREPARED
 USING THE HORIZONTAL GEORGIA
 COORDINATE SYSTEM OF 1984 (NAD
 1983/94 WEST ZONE, AND THE NORTH
 AMERICAN VERTICAL DATUM (NAVD)
 OF 1988.



NOTE :
 ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS,
 DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION
 WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA," "STATE
 HIGHWAY DEPARTMENT," "GEORGIA STATE HIGHWAY DEPARTMENT," "HIGHWAY
 DEPARTMENT," OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE
 STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN
 THE DEPARTMENT OF TRANSPORTATION.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY
 INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON
 FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE
 SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT
 OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO
 SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

LENGTH OF PROJECT	DALLIS STREET
	MILES
NET LENGTH OF ROADWAY	0J26
NET LENGTH OF BRIDGES	N/A
NET LENGTH OF PROJECT	0J26
NET LENGTH OF EXCEPTIONS	N/A
GROSS LENGTH OF PROJECT	0J91



PREPARED BY:



PLANS COMPLETED	9-20-2023
REVISIONS	
10/02/2023	

DRAWING No.
 01-0001

DATE: \$\$\$
\$USER\$

TIME: \$\$\$
\$PRF\$
\$PENTABLE\$

\$DGN\$

SUMMARY OF QUANTITIES

DALLIS ST. AT LINCOLN ST. INTERSECTION IMPROVEMENTS
City of LaGrange Public Services

ROADWAY ITEMS

Pay Item No.	Item Description	Unit	Quantity
005-0023	ADA Ramps	EA	4
150-1000	Traffic Control	LS	1
205-0100	Construction Allowance	LS	1
210-0100	Grading Complete	LS	1
310-5100	Gr Aggr Base Crs, 10 In, Incl Matl	SY	380
402-3910	Recycled Asph Conc 12.5mm SP, GP 2 Only, Incl Bitum Matl & H Lime	SY	2680
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	SY	10
402-3250	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	SY	10
432-5010	Mill Asph Conc Pvmt, Variable Depth	SY	2680
441-0104	Conc Sidewalk, 4 In	SY	40
441-6022	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	LF	750
446-1100	Pvmt Reinf Fabric Strips, Tp 2, 18 Inch Width	LF	750

DRAINAGE ITEMS

Pay Item No.	Item Description	Unit	Quantity
550-1180	Storm Drain Pipe, 18 IN, H 1-10	LF	70
600-0000	Flowable Fill	CY	5
668-1100	Catch Basin, GP 1	EA	2

SIGNING & MARKING ITEMS

Pay Item No.	Item Description	Unit	Quantity
610-6515	Remove Sign	EA	3
636-1020	Hwy Signs, TP 1 Mat'l, Refl Sheeting, TP 3	SF	66
636-3010	Ground-Mounted Breakaway Sign Support	EA	7
653-1501	Thermoplastic Solid Traffic Stripe, 5 IN, White	LF	1600
653-1502	Thermoplastic Solid Traffic Stripe, 5 IN, Yellow	LF	1100
653-1704	Thermoplastic Solid Traffic Stripe, 24 IN, White	LF	54
653-1804	Thermoplastic Solid Traffic Stripe, 8 IN, White	LF	300
656-3600B	Rem Exist Traf Strip & Markings, All Kinds & Type	LF	550

EROSION CONTROL ITEMS

Pay Item No.	Item Description	Unit	Quantity
163-0232	Temporary Grassing	AC	0.5
163-0240	Mulch	TN	3
163-0300	Construction Exit	EA	1
163-0532	Construct & Remove Compost Filter Sock	LF	39
163-0550	Construct & Remove Inlet Sediment Traps	EA	7
165-0010	Maintenance of Temporary Silt Fence, Tp A	LF	175
165-0101A	Maintenance of Construction Exit	EA	1
165-0105	Maintenance of Inlet Sediment Traps	EA	7
171-0010	Temporary Silt Fence, Type A	LF	350
643-8200	Barrier Fence (Orange), 4 FT	LF	600
700-6910	Permanent Grassing	AC	0.5
700-7000	Agricultural Lime	TN	3
700-8000	Fertilizer Mixed Grade	TN	0.5
700-8100	Fertilizer Nitrogen Content	LB	50
700-9300	Sod	SY	100

10/23/2025

10/23/2025

10/23/2025

GPLM



LAGRANGE
GEORGIA

BARGE
DESIGN SOLUTIONS

REVISION DATES

DATE	DESCRIPTION
10/02/23	

SUMMARY QUANTITIES LINCOLN STREET - DALLIS STREET INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	06-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

CITY OF LAGRANGE, GA

LINCOLN STREET - DALLIS STREET

LANDSCAPE IMPROVEMENTS

CITY OF LAGRANGE, GA

WILLIE EDMONDSON, MAYOR
MEG KELSEY, CITY MANAGER



LAGRANGE
GEORGIA

PROJECT TEAM

OWNER

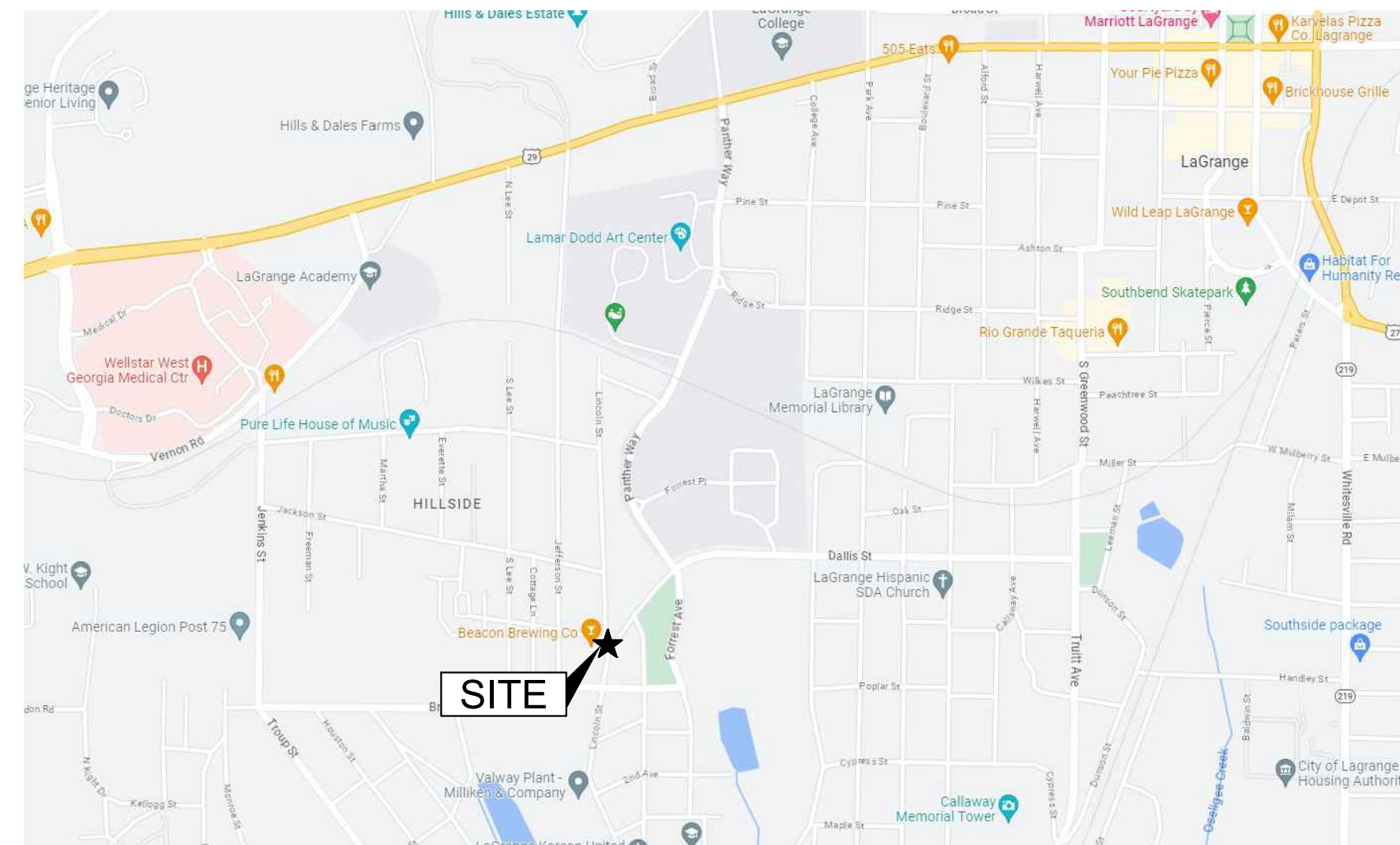
CITY OF LAGRANGE
200 RIDLEY AVENUE
LAGRANGE, GA 31902
706-883-2013

CONTACT: MEG KELSEY, CITY MANAGER

CIVIL ENGINEER & LANDSCAPE ARCHITECT

BARGE DESIGN SOLUTIONS
1201 FRONT AVENUE, SUITE F
COLUMBUS, GEORGIA, 31901
PHONE: (706) 321-4583
CONTACT: DAVID BISHOP, PE

SHEET INDEX	
SHEET	TITLE
G0.01	COVER SHEET
C0.01	EXISTING CONDITIONS AND DEMOLITION PLAN
L1.00	SITE LAYOUT PLAN
C1.00	GENERAL NOTES
C2.00	GRADING AND DRAINAGE PLAN
C2.10	STORM PROFILES
C3.00	EROSION CONTROL PLAN
C3.10	EROSION CONTROL DETAILS
C4.00	SITE DETAILS (1)
C4.10	SITE DETAILS (2)
C4.20	SITE DETAILS (3)
C4.30	SITE DETAILS (4)
L2.00	SITE MATERIALS AND FURNISHINGS PLAN
L3.00	SITE LANDSCAPE PLAN
I1.00	OVERALL SITE IRRIGATION PLAN
L7.00	LANDSCAPE NOTES
L7.01	LANDSCAPE DETAILS
L7.02	HARDSCAPE DETAILS
L7.03	HARDSCAPE DETAILS



VICINITY MAP
N.T.S.

CITY OF LAGRANGE, GA
LINCOLN STREET - DALLIS STREET
LANDSCAPE IMPROVEMENTS

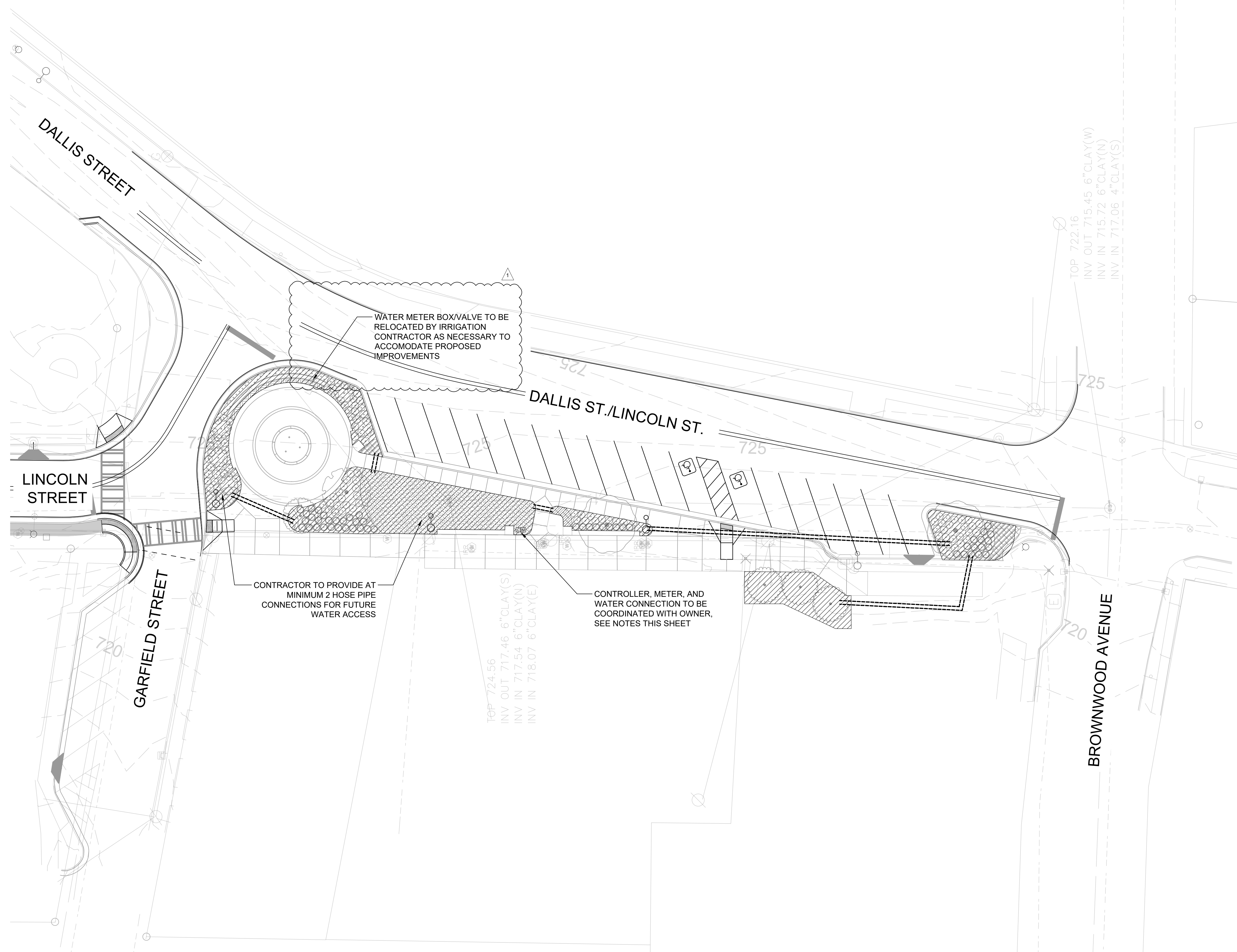


1201 Front Avenue // Suite F // Columbus, GA 31901
Phone (706) 321-4590



G0.01

USER:FLDARR
 FILE:364321904_CAD1TRN/LANDPLOT/3643219_1_00.dwg
 SAVER:10/2/2023
 PLOTTED:10/2/2023



IRRIGATION LEGEND:

AREAS TO BE IRRIGATED

SLEEVING (TYP.)

IRRIGATION NOTES:

- IRRIGATION PLANS ARE NOT INCLUDED AS PART OF THESE LANDSCAPE PLANS. IRRIGATION PLANS AND SPECIFICATIONS ARE TO BE SUBMITTED BY SUBCONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT AND OWNER. SEE AREAS TO BE IRRIGATED ON THIS SHEET.
- THE PROPOSED AREA OF IRRIGATION IS TO BE ALL LANDSCAPE BEDS & TREES.
- ALL PRODUCTS SHALL HAVE CUT SHEETS SUBMITTED TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR TO SUBMIT DETAILED IRRIGATION LAYOUT PLANS TO LANDSCAPE ARCHITECT INDICATING:
 - LOCATION, TYPE AND COVERAGE OF HEADS (SPRAY ARC)
 - ZONE MAP WITH FLOW RATES
 - DETAILED IRRIGATION PROGRAMMING SCHEDULE TO ENSURE MAXIMUM PERFORMANCE OF THE SYSTEM.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING GPM RATE AND PSI FOR SYSTEM CALCULATIONS.
- PROPOSED IRRIGATION SYSTEM SHALL PROVIDE COMPUTER CONTROLLER TO BE APPROVED BY LANDSCAPE ARCHITECT.
- IRRIGATION CONTROLLER TO BE EQUIPPED WITH SMART WEATHER STATION.
- ALL IRRIGATION IS TO BE DRIP IRRIGATION OR SPRAY AS NEEDED.
- ALL NEWLY INSTALLED PLANT MATERIALS SHALL BE FULLY IRRIGATED TO ENSURE PLANT HEALTH AND GROWTH SUCCESS.
- THE IRRIGATION CONTRACTOR SHALL COORDINATE LAYOUT AND INSTALLATION WITH THE GENERAL CONTRACTORS ON THE SITE. STRUCTURES OR PAVEMENT NOTED ON THE PLAN, BUT NOT IN PLACE, SHOULD BE STAKED. THE IRRIGATION SYSTEMS SHOULD NOT INTERFERE WITH FUTURE PLACEMENT OF THESE PAVED SURFACES OR STRUCTURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CONSTRUCTION PERMITS AND FEES.
- CONTRACTOR SHALL INSTALL 4" SCHEDULE 40 PVC PIPE SLEEVES A MINIMUM DEPTH OF 18" BELOW FINISH GRADE. CAP ENDS AND EXTEND SLEEVES 2'-0" BEYOND EDGE OF PAVEMENT. LAY HEAVY DUTY SLEEVES IN 3" GRAVEL BED MINIMUM. BACKFILL WITH GRAVEL AND COMPACT. TO WITHSTAND URBAN CONDITIONS. SLEEVES SHALL BE INSTALLED BY IRRIGATION CONTRACTOR. REFERENCE DIAGRAMMATIC SLEEVING PLAN ON THIS SHEET FOR SUGGESTED LOCATION OF SLEEVES. ADD ADDITIONAL SLEEVES AS NEEDED.
- GENERAL CONTRACTOR SHALL PROVIDE 120-VOLT POWER SOURCE FOR CONTROLLER. CONTROLLER LOCATION AND MOUNTAIN TO BE COORDINATED WITH OWNER.
- INSTALL ADDITIONAL AUTOMATIC DRAIN VALVES AS REQUIRED TO DRAIN ALL LINES FOR PROTECTION AGAINST WINTER FREEZE DAMAGE. LOCATE MANUAL DRAIN VALVES AT LOW POINT ON MAIN. ALL WATER FLUSHED FROM THE SYSTEM SHALL BE DIRECTED IMMEDIATELY INTO SITE DRAINS. IRRIGATION WATER SHALL NOT ENTER CURB OR STREET DRAINS.
- 24V WIRING TO BE MINIMUM AWG 12/1, SUITABLE FOR DIRECT BURIAL PER CODE. COLOR CODED. BURY WITH SLACK, BENEATH OR ADJACENT TO PIPE FOR PROTECTION. SPLICE WITH SHEARS MODEL DS-100 DRI-SPLICE, OR APPROVED EQUAL.
- INSTALL AUTOMATIC CONTROL VALVES IN AMETEK VALVE BOXES OF APPROPRIATE SIZE, VB-10 OR VB-12, OR APPROVED EQUAL.
- COMPLETE WORK IN COMPLIANCE WITH LOCAL AND STATE CODES FOR USE OF RECLAIMED WATER. PROVIDE ALL NECESSARY PERMITS AT THE COST OF THE IRRIGATION CONTRACTOR.
- UPON COMPLETION OF IRRIGATION SYSTEM, CONTRACTOR SHALL TEST AND ADJUST SYSTEM WITH LANDSCAPE ARCHITECT PRESENT PRIOR TO BURYING LINES.
- CONTRACTOR TO MAKE 1 MONTH, 6 MONTH AND 9 MONTH MAINTENANCE VISITS WITH OWNER TO VERIFY ADEQUATE PERFORMANCE AND OPERATION OF SYSTEM. IF DEFICIENT, NECESSARY ADJUSTMENTS TO BE MADE AT NO COST.
- DISCREPANCIES BETWEEN THE FIELD LAYOUT AND CONTRACT DOCUMENTS SHOULD BE REPORTED AS SOON AS POSSIBLE TO THE OWNER AND LANDSCAPE ARCHITECT IN CASE REVISIONS ARE NECESSARY. INADEQUATE IRRIGATION COVER SHOULD BE NOTED AND CORRECTED BEFORE THE IRRIGATION CONTRACTOR LEAVES THE SITE.
- CONTRACTOR TO COORDINATE ALL METER AND BACKFLOW INFORMATION, LOCATION, AND SIZE. A BOOSTER PUMP SHALL BE SUPPLIED AS NECESSARY TO PROVIDE ADEQUATE PRESSURE.

BARGE
 DESIGN SOLUTIONS

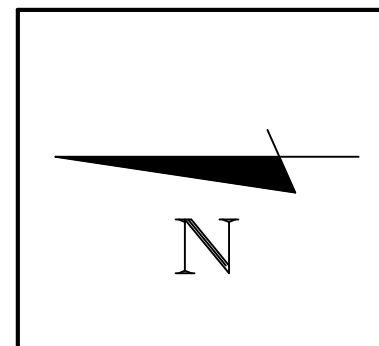
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 PHONE (706) 321-1596



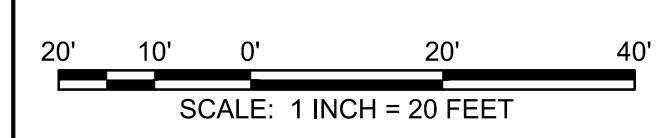
OVERALL SITE IRRIGATION PLAN

CITY OF LAGRANGE, GA
 LINCOLN STREET - DALLIS STREET
 LANDSCAPE IMPROVEMENTS

REV.	OR.	CHK.	DATE	DESCRIPTION
REV.1	GH	PLD	08/20/2023	ISSUED FOR CONSTRUCTION
	GH	PLD	10/02/2023	ISSUED FOR CONSTRUCTION



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FILE NO. 3643219



SITE MATERIALS AND FURNISHINGS PLAN
CITY OF LAGRANGE, GA
LINCOLN STREET - DALLIS STREET
LANDSCAPE IMPROVEMENTS

SITE FURNISHING NOTES:

- THE CONTRACTOR IS TO PROVIDE THE FOLLOWING SUBMITTALS:
 - ALL MANUFACTURER'S DATA INCLUDING DIRECTIONS OR RECOMMENDATIONS FOR INSTALLATION, METHODS, PROCEDURES AND MAINTENANCE.
 - COMPLETE SHOP DRAWINGS FOR ALL SITE FURNISHINGS INDICATING ALL DETAILS OF FABRICATION AND INSTALLATION INCLUDING SIZES, SHAPES, FINISHES, COLORS, THICKNESS, MATERIAL QUALITY AND ALL OTHER RELATED WORK APPLICABLE TO THE SITE FURNISHINGS.
 - SUBMIT COLOR SAMPLES FOR APPROVAL.
- ALL SPECIFIED PRODUCTS ARE TO BE PROVIDED AS SPECIFIED OR "APPROVED EQUIVALENT":**
 - ALL REFERENCES TO VENDORS AND "APPROVED MANUFACTURERS" ARE INCLUDED FOR DESCRIPTION OF QUALITY AND CONTENT OF THE DESIGNATED EQUIPMENT/MATERIALS AS BASIS OF DESIGN. EQUIVALENT ITEMS MAY BE ACCEPTED IF THEY MEET ALL STANDARDS OF QUALITY AND PURPOSE FOR THE INTENDED USE, AS DETERMINED BY THE COUNTY.
 - PROPOSED SUBSTITUTIONS OF PRODUCTS SHALL BE EVALUATED BASED ON PRODUCT CONSTRUCTION, APPEARANCE AND PERFORMANCE. THE CONTRACTOR WILL BE RESPONSIBLE FOR SUBMITTING ALL DOCUMENTATION SUPPORTING PROPOSED PRODUCTS NOT LESS THAN 30 DAYS AFTER NOTICE TO PROCEED OF PROJECT. THE ACCEPTANCE OR REJECTION OF PRODUCTS OFFERED AS EQUAL OR SUBSTITUTION SHALL BE AT THE SOLE DISCRETION OF THE OWNER'S REPRESENTATIVE. IF THE COUNTY DETERMINES THAT THE EQUIVALENT SUBMITTED IS NOT AN EQUAL BY MATERIAL, QUALITY WARRANTY OR ETC.; THE CONTRACTOR SHALL PROVIDE SPECIFIED FURNISHINGS LISTED WITHIN THE CONTRACT DOCUMENTS. NO SECOND SUBMITTAL OF PROPOSED EQUIVALENT WILL BE REVIEWED OR ACCEPTED.
- DELIVER ALL MATERIALS WITH MANUFACTURER'S TAGS AND LABELS INTACT IN CLEAN, DRY AND PROTECTED LOCATIONS.
- STORE AND HANDLE ALL SITE FURNISHINGS SO AS TO AVOID DAMAGE.
- ALL SITE FURNISHINGS SHALL BE PROVIDED BY THE CONTRACTOR INCLUDING ORDERING, SHIPPING, DELIVERY, UNPACKING, AND INSTALLING ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND AS DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY INSTALLATION PROCEDURE WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLING.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE THE DELIVERY OF ALL SITE FURNISHINGS AND SHALL BE COMPLETELY RESPONSIBLE FOR SHIPPING, UNPACKING, REMOVING PACKAGING, DISCARDING PALLET AND PACKAGING MATERIALS, AND ALL HANDLING AFTER DELIVERY TO PLACE SITE FURNISHINGS IN LOCATIONS DESIGNATED ON THE PLANS.
- ALL SITE FURNISHINGS LOCATIONS ARE TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO BEING PLACED ON SITE.
- ALL SITE FURNISHINGS SHALL BE GUARANTEED BY THE CONTRACTOR FREE OF DEFECTS, CRACKS, CHIPS, STAINS AND SHALL BE COMPLETELY CLEAN AND FREE OF DAMAGES UPON FINAL PLACEMENT AND APPROVAL.
- THE GENERAL CONTRACTOR SHALL SUPPLY A LIST OF SITE FURNISHING WITH QUANTITIES TO THE OWNER'S REPRESENTATIVE PRIOR TO ORDERING. QUANTITIES ON THE PLAN SHALL OVERRULE ANY LISTS (IF APPLICABLE) STATED ON THIS SHEET.

SITE FURNISHING LEGEND:

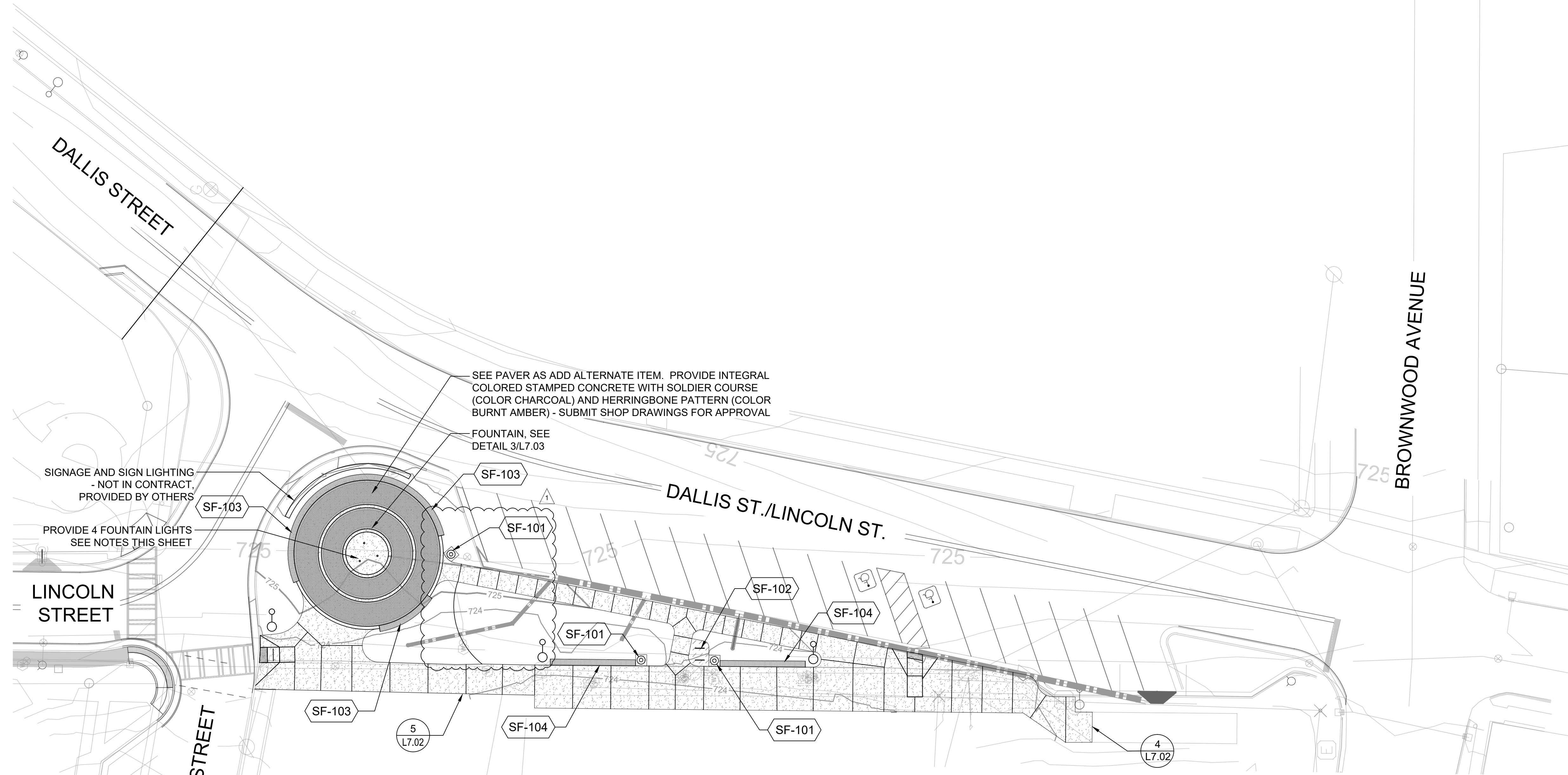
SYMBOL	DESCRIPTION	DETAIL
[Symbol]	SF-101 TRASH RECEPTACLE	1/L7.03
[Symbol]	SF-102 BIKE RACK	2/L7.03
[Symbol]	SF-103 CURVED SEAT WALL	9/L7.02
[Symbol]	SF-104 STRAIGHT SEAT WALL	9/L7.02

SITE MATERIALS LEGEND:

SYMBOL	DESCRIPTION	DETAIL
[Symbol]	BROOM FINISH CONCRETE	1/L7.02
[Symbol]	CONCRETE PAVER	6/L7.02
[Symbol]	SLATESCAPE AGGREGATE	8/L7.02

NOTES:

- SEE SHEET L.300 FOR LANDSCAPE LAYOUT
- SEE SHEET L7.02-4.7.03 FOR HARDSCAPE DETAILS
- FOUNTAIN LIGHTING TO BE FL-12-RGBW BY PROCO PRODUCTS. 316 STAINLESS STEEL FRONT COVER & HOUSING, 12 WATTS, SIZE 3" W x 3.1" H TEMPERED GLASS (3MM THICK), OPERATING CURRENT 24V DC WITH CONSTANT CURRENT LED DRIVER. LENS - CLEAR, BEAD, FROSTED. BEAM ANGLE 30 DEGREES. CABLE LENGTH TO BE SPECIFIED UPON ORDER. IP-68 RATING. SURFACE MOUNTED SYSTEM.



SITE FURNISHINGS SCHEDULE					
ITEM CODE	ITEM	QTY	MODEL NUMBER	EQUIPMENT RESOURCE	REMARKS
SF-101	WASTE RECEPTACLE	3	MODEL: 102-32 / DM (DOME TOP) SIZE: 32-GL COLOR: POWDERCOATED BLACK MATERIAL: STEEL MOUNTING: SURFACE	MFR: DUMOR CONTACT: ERIC HASLEY PHONE: 706-338-4570 EMAIL: EHASLEY@HASLEY-RECREATION.COM	INCLUDE PLASTIC LINER & DM (DOME TOP). INSTALL PER MANUFACTURER'S RECOMMENDATIONS, SEE DETAIL 1/L7.03
SF-102	BIKE RACK	2	MODEL: BRWS-101 MATERIAL: STEEL FINISH: COATED WITH ZINC RICH EPOXY THEN FINISHED WITH POLYESTER BLACK POWDER COATING MOUNTING: IN GROUND MOUNT	MFR: VICTOR STANLEY CONTACT: DANNA STANFORD PHONE: 301-855-8300 X359 EMAIL: DANNAS@VICTORSTANLEY.COM	INSTALL PER MANUFACTURER'S RECOMMENDATIONS, SEE DETAIL 2/L7.03
SF-103	PIANO KEY - CURVED WOOD TOP BENCH	LF	MODEL: LANDSCAPE FORMS - LINK BENCH LENGTH: VARIES HARDWARE COLOR: POWDERCOATED BLACK MATERIAL: WOOD TYPE THERMALLY MODIFIED ASH - UNFINISHED MOUNTING: SURFACE - CONCRETE BLOCK	MFR: LANDSCAPE FORMS CONTACT: GRETCHEN MAST PHONE: 269-337-1312 EMAIL: GRETCHENM@LANDSCAPEFORMS.COM	CONCRETE WALL BY OTHERS, SEE DETAIL 9/L7.02
SF-104	PIANO KEY - STRAIGHT WOOD TOP BENCH	LF	MODEL: LANDSCAPE FORMS - LINK BENCH LENGTH: VARIES HARDWARE COLOR: POWDERCOATED BLACK MATERIAL: WOOD TYPE THERMALLY MODIFIED ASH - UNFINISHED MOUNTING: TOP-OF-WALL MOUNT SUPPORT	MFR: LANDSCAPE FORMS CONTACT: GRETCHEN MAST PHONE: 269-337-1312 EMAIL: GRETCHENM@LANDSCAPEFORMS.COM	CONCRETE WALL BY OTHERS, SEE DETAIL 9/L7.02

SITE MATERIALS SCHEDULE			
ITEM	MODEL NUMBER	EQUIPMENT RESOURCE	REMARKS
CONCRETE PAVERS - ADD ALT. 1	MATERIAL: HOLLAND STONE SIZE: 4X8 - 60MM COLOR: FIELD; BURNT AMBER COLOR: SOLDIER COURSE / BOARDER: BLACK DIAMOND MOUNTING: SURFACE	MFR: BELGARD CONTACT: CHRIS MEHL PHONE: 678-951-2317 EMAIL: CHRIS.MEHL@OLDCASTLE.COM	SEE DETAIL 6/L7.02
SLATESCAPE	MATERIAL: SLATESCAPE TRAIL MIX SIZE: 5/8" MINIS COLOR: GRAY	MFR: ROCKMART SLATE CORPORATION PHONE: 770-684-6583 EMAIL: ROCKMARTSLATE.COM	SEE DETAIL 8/L7.02
SPLIT FACE BLOCK - FOUNTAIN WALL SURROUND	MATERIAL: ECHELON MASONRY SPLIT FACE MASONRY UNITS TEXTURE: ROUGH HEWN COLOR: 4311 SIZE: VARIES	MFR: OLDCASTLE APG CONTACT: CHRIS FOWLER PHONE: 770-963-5888 EMAIL: Chris.Fowler2@oldcastle.com	SEE DETAIL 4/L7.03

USER: PLDARR
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SAVED: 10/20/2023
PLOTTED: 10/20/2023

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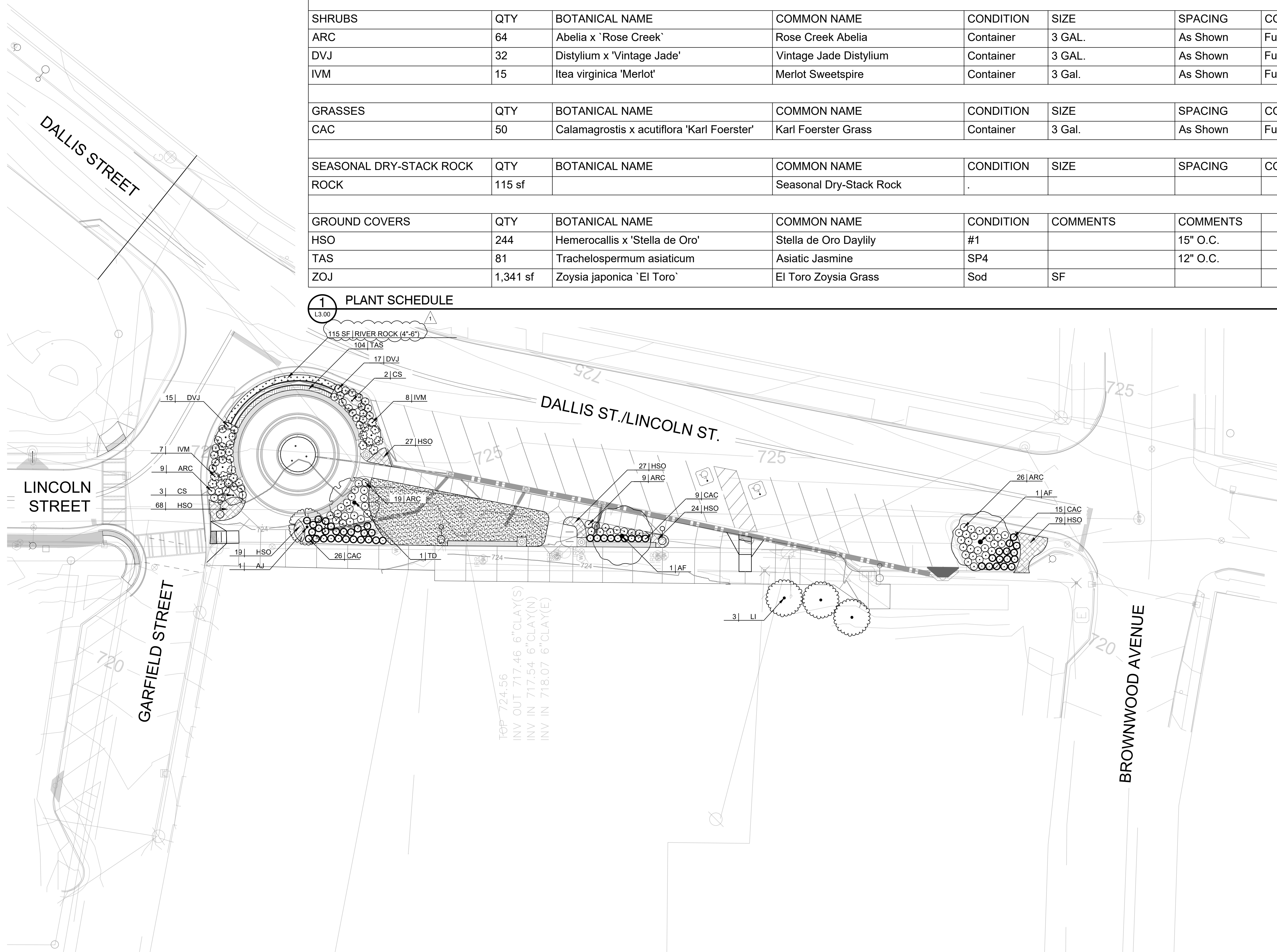
REV.	OR.	DATE	DESCRIPTION
REV.1	CH	09/20/2023	ISSUED FOR CONSTRUCTION
	PLD	10/20/2023	ISSUED FOR CONSTRUCTION

L2.00
FILE NO. 3643219

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONDITION	SIZE	HEIGHT	COMMENTS
AJ	1	Acer japonicum 'Mai Kujaku'	Dancing Peacock Japanese Maple	15 Gal.	1.5" Cal.	8'-10' HT.	Straight dominant leader, Full crown, Well branched
AF	2	Acer x freemanii 'Celebration'	Celebration Maple	Cont./B&B	2"-2 1/2" Cal.	12'-14' HT.	Straight dominant leader, Full crown, Well branched
CS	5	Camelia Sasanqua 'Yuletide'	Sasanqua Camelia	Cont./B&B		5'-6' HT.	Straight dominant leader, Full crown, Well branched
LI	3	Lagerstroemia indica x fauriei 'Natchez'	Natchez Crape Myrtle	Cont./B&B	Multi-stemmed 1"Cal.	8'-10' HT.	Multi-stemmed, 3-4 canes
TD	1	Taxodium distichum 'Lindsey's Skyward'	Lindsey's Skyward Bald Cypress	Cont./B&B	2"-2 1/2" Cal.	12'-14' HT.	Straight dominant leader, Full crown, Well branched
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONDITION	SIZE	SPACING	COMMENTS
ARC	64	Abelia x 'Rose Creek'	Rose Creek Abelia	Container	3 GAL.	As Shown	Full, Dense, Well rooted in pot
DVJ	32	Distylium x 'Vintage Jade'	Vintage Jade Distylium	Container	3 GAL.	As Shown	Full, Dense, Well rooted in pot
IVM	15	Itea virginica 'Merlot'	Merlot Sweetspire	Container	3 Gal.	As Shown	Full, Dense, Well rooted in pot
GRASSES	QTY	BOTANICAL NAME	COMMON NAME	CONDITION	SIZE	SPACING	COMMENTS
CAC	50	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Grass	Container	3 Gal.	As Shown	Full, Dense, Well rooted in pot
SEASONAL DRY-STACK ROCK	QTY	BOTANICAL NAME	COMMON NAME	CONDITION	SIZE	SPACING	COMMENTS
ROCK	115 sf		Seasonal Dry-Stack Rock				
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONDITION	COMMENTS	COMMENTS	
HSO	244	Hemerocallis x 'Stella de Oro'	Stella de Oro Daylily	#1			15" O.C.
TAS	81	Trachelospermum asiaticum	Asiatic Jasmine	SP4			12" O.C.
ZOJ	1,341 sf	Zoysia japonica 'El Toro'	El Toro Zoysia Grass	Sod	SF		

1 PLANT SCHEDULE



NOTES:

- SEE ALL DISTURBED AREAS OUTSIDE LIMITS OF WORK THAT ARE NOT DESIGNATED MULCH OR LANDSCAPE AREAS.
- SEE SHEET L2.00 FOR SITE MATERIALS AND FURNISHINGS PLAN.
- SEE SHEET L7.01 FOR LANDSCAPE DETAILS.



REV.	OR	CHK.	DATE	DESCRIPTION
REV.1	GH	PLD	06/20/2023	ISSUED FOR CONSTRUCTION
	GH	PLD	10/02/2023	ISSUED FOR CONSTRUCTION

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GENERAL NOTES

PROJECT DESCRIPTION: THESE DRAWINGS ARE PART OF AN OVERALL UPGRADE TO THE EXISTING CONVEYANCE STORM WATER DRAINAGE SYSTEM THAT PRIMARILY SERVES THE PARK CONSTRUCTION.

- 1. THE FOLLOWING NOTES ARE APPLICABLE TO ALL CIVIL DOCUMENTS.
2. THE CONTRACTOR SHALL USE MATERIALS AND EMPLOY CONSTRUCTION METHODS IN ORDER TO COMPLY WITH THE DRAWINGS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND OBTAIN ALL PERMITS AND BOND, IF REQUIRED, PRIOR TO BEGINNING WORK.
4. THE SITE LAYOUT IS BASED ON THE CONTROL POINTS AS NOTED.
5. DO NOT SCALE DRAWING AS THEY ARE REPRODUCTION AND SUBJECT TO DISTORTION.
6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE STARTING ANY WORK.
7. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATIONS AND LIAISON WITH UTILITY COMPANIES IN THE PROCESS OF LOCATING, RELOCATION AND TIE-IN TO PUBLIC UTILITIES.
8. ALL DAMAGE TO EXISTING ASPHALT PAVEMENT TO REMAIN, WHICH RESULTS FROM NEW CONSTRUCTION, SHALL BE REPLACED WITH LIKE MATERIALS AT CONTRACTOR'S EXPENSE.
9. THESE PLANS, PREPARED BY BARGE DESIGN SOLUTIONS, DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK.
10. ALL HANDICAP PARKING SPACES ARE TO RECEIVE A HANDICAP SIGN AND HANDICAP SYMBOL PAINTED ON THE PAVEMENT.
11. THE CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS DURING CONSTRUCTION.
12. UNLESS NOTED, SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS FOR REVIEW.
13. ALL REQUIRED TESTING REPORTS SHALL BE AVAILABLE AT THE JOB SITE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING VEGETATION DURING CONSTRUCTION.
16. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ON COPY OF THE CURRENT CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED PERMITS.
17. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES.
18. ANY WELLS DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE OWNER AND THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.

GRADING NOTES

- 1. ALL STORMWATER PIPES, STRUCTURES, AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND DETAILS.
2. NO TREES ARE TO BE REMOVED AND/OR VEGETATION DISTURBED EXCEPT AS NECESSARY FOR GRADING PURPOSES AND ONLY AS APPROVED BY OWNER'S REPRESENTATIVE AND CITY ENGINEER.
3. STRIP ALL TOPSOIL AND OTHER DELETERIOUS MATERIALS AS PER SOIL CONSULTANT'S GEOTECH REPORT.
4. ALL TOPSOIL, FILL MATERIAL, EXISTING FOUNDATIONS, UTILITIES, UNDER GROUND TANKS, PAVEMENT, BASE AND ANY OTHER DELETERIOUS MATERIALS SHALL BE COMPLETELY REMOVED FROM WITHIN THE BEARING ZONE BELOW THE STRUCTURE.
5. IN NO CASE SHALL SLOPE HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH, INCLUDING TRENCH CONSTRUCTION, EXCEED THOSE SPECIFIED IN LOCAL, STATE AND FEDERAL REGULATIONS.
6. ALL GRADED AREAS, INCLUDING SLOPES, ARE TO BE MULCHED AND SEEDDED AS SOON AS POSSIBLE AFTER GRADING IS COMPLETED.
7. CONSTRUCT EROSION CONTROL AS SHOWN ON DRAWINGS PRIOR TO BEGINNING GRADING OPERATIONS.
8. ALL NEW STRUCTURES AND EXISTING STRUCTURES SHALL HAVE SEDIMENT REMOVED PRIOR TO ACCEPTANCE.
9. SILT BARRIERS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED WITH SUCH SEDIMENT.
10. ALL DIMENSIONS AND LOCATIONS OF TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE SUBJECT TO ADJUSTMENT AS DESIGNATED BY THE OWNER'S REPRESENTATIVE.
11. WHEN THE TEMPORARY SOIL EROSION AND WATER POLLUTION DEVICES ARE NO LONGER REQUIRED FOR THE INTENDED PURPOSE IN THE OPINION OF THE OWNER'S REPRESENTATIVE THEY SHALL BE REMOVED.
12. REPLACE SILT BARRIERS WHEN CONDITIONS WARRANT AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND CITY ENGINEER.
13. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING WORK.
14. CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF A DETAILED ENGINEERING GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE AND MOVEMENT OF MATERIALS.
15. ALL UN-SURFACED AREA DISTURBED BY GRADING OPERATIONS SHALL RECEIVE 6 INCHES OF TOPSOIL.
16. PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA.
17. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
18. CONSTRUCTION ENTRANCE SHALL BE IN PLACE PRIOR TO ANY COMBUSTIBLES, I.E. CONSTRUCTION TRAILER, LUMBER, ETC. BEING PRESENT ON JOB SITE.
19. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
20. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT (1' FOOT).
21. THIS GRADING AND DRAINAGE PLAN IS NOT A DETERMINATION OR GUARANTEE OF THE SUITABILITY OF SURFACE CONDITIONS FOR THE WORK INDICATED.
22. DO NOT DISTURB VEGETATION OR REMOVE ANY EXISTING TREES EXCEPT WHERE DESIGNATED ON THE PLAN.

GENERAL GRADING AND STORM DRAINAGE NOTES:

PIPE NOTES:

- 1. IF USING HDPE: HDPE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-294 AND AASHTO MP7, TYPE S&D. CONNECTION SHALL USE A RUBBER GASKET, WHICH CONFORMS TO ASTM F-47.
2. IF USING RCP PIPE ALL RCP PIPE JOINTS SHALL BE BELL & SPIGOT TYPES WITH RUBBER GASKET CONFORMING TO ASTM C-443.
3. 12-60 INCH (300 TO 1500 MM) SHALL MEET AASHTO M294, TYPE S OR ASTM F2306.
4. MANNING'S "N" VALUE FOR USE IN DESIGN SHALL BE 0.012.

HDPE PIPE REQUIREMENTS

- 1. HDPE PIPE N-12 ST 1B PIPE (PER AASHTO) SHALL HAVE A SMOOTH INTERIOR AND ANNULAR EXTERIOR CORRUGATIONS.
2. 4-10 INCH (100 TO 250 MM) SHALL MEET AASHTO M252, TYPE S.
3. 12-60 INCH (300 TO 1500 MM) SHALL MEET AASHTO M294, TYPE S OR ASTM F2306.
4. MANNING'S "N" VALUE FOR USE IN DESIGN SHALL BE 0.012.

EROSION CONTROL NOTES

- 1. NO VEGETATION IS TO BE DISTURBED EXCEPT AS NECESSARY FOR GRADING PURPOSES.
2. TOPSOIL IS TO BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED, AND REDISTRIBUTED OVER GRADED AREAS TO A MINIMUM DEPTH OF 6".
3. ALL GRADED AREAS INCLUDING 3:1 SLOPES ARE TO BE STABILIZED WITH GEO-TEXTILE MATTING WITHIN 7 DAYS OF FINAL GRADING.
4. ALL DIMENSIONS AND LOCATIONS OF TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE SUBJECT TO ADJUSTMENT AS DESIGNATED BY THE ENGINEER.
5. WHEN THE TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES ARE NO LONGER REQUIRED FOR THE INTENDED PURPOSE, IN THE OPINION OF THE ENGINEER, THEY SHALL BE REMOVED.
6. NO WORK IS TO BE STARTED UNTIL MANDATORY PRE-CONSTRUCTION MEETING WITH THE OWNER.
7. INSTALL SILT FENCE AROUND THE BASE OF ANY STOCK PILES.
8. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA, THE EQUIPMENT MAINTENANCE AND CLEANING AREA, CONTRACTOR'S EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES.
9. ALL UNDISTURBED AREAS INCLUDING WETLAND/STREAM BUFFERS, SHALL BE FIELD MARKED AND KEPT FREE OF CONSTRUCTION EQUIPMENT.
10. CURRENT VERSIONS OF THE STORM WATER POLLUTION PREVENTION PLAN, NOTICE OF INTENT, AND NOTICE OF COVERAGE SHALL BE KEPT ON SITE AND IS TO BE ACCESSIBLE FOR THE DURATION OF THE PROJECT.
11. APPLY PERMANENT GEO-TEXTILE MATTING WHENEVER GRADING OPERATIONS ARE COMPLETED AND ALL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA.
12. EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH GSWCC'S EROSION AND SEDIMENT CONTROL HANDBOOK AND GSWCC'S CONSTRUCTION ACTIVITY PERMIT REQUIREMENTS.
13. CONTRACTOR TO PROVIDE AN AREA FOR CONCRETE WASH DOWN AND EQUIPMENT FUELING IN ACCORDANCE WITH GSWCC.
14. THE SITE SHALL BE STABILIZED WITHIN 14 DAYS AFTER CONSTRUCTION HAS TEMPORARILY/PERMANENTLY CEASED.
15. VEGETATION AND EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT ARE AFFECTED BY CONSTRUCTION SHALL BE REPAIRED OR REPLACED WITHIN 7 DAYS.

UTILITY NOTES

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND INVERTS OF ALL EXISTING UTILITY LINES AND STRUCTURES (INCLUDING STORM DRAINAGE PIPES OR STRUCTURES) BEFORE THE COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ANY APPLICABLE FEES.
3. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
4. THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THE USE OF EQUIPMENT IN AND AROUND OVERHEAD AND UNDERGROUND ELECTRICAL WIRES AND SERVICES.
6. THE OWNER AND ENGINEER DO NOT ASSUME RESPONSIBILITY FOR THE POSSIBILITY THAT, DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED OR THAT ACTUAL LOCATION OF THOSE SHOWN MAY BE DIFFERENT FROM LOCATIONS DESIGNATED ON THE CONTRACT DRAWINGS.

STORM SEWER PIPE INSTALLATION NOTES:

JOINT PERFORMANCE

PIPE SHALL BE JOINED USING A BELL & SPIGOT JOINT MEETING AASHTO M252, AASHTO M294, OR ASTM F2306. THE JOINT SHALL BE SOIL-TIGHT AND GASKETS, WHEN APPLICABLE, SHALL MEET THE REQUIREMENTS OF ASTM F477. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH A REMOVABLE WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS.

FITTINGS

FITTINGS SHALL CONFORM TO AASHTO M252, AASHTO M294 OR ASTM F2306. BELL AND SPIGOT CONNECTIONS SHALL UTILIZE A SPUN-ON OR WELDED BELL AND VALLEY OR SADDLE GASKET MEETING THE SOIL-TIGHT JOINT PERFORMANCE REQUIREMENTS OF AASHTO M252, AASHTO M294 OR ASTM F2306.

MATERIAL PROPERTIES

VIRGIN MATERIAL FOR PIPE AND FITTING PRODUCTION SHALL BE HIGH DENSITY POLYETHYLENE CONFORMING WITH THE MINIMUM REQUIREMENTS OF CELL CLASSIFICATION 424420C FOR 4- THROUGH 10-INCH (100 TO 250 MM) DIAMETERS, OR 435400C FOR 12- THROUGH 60-INCH (300 TO 1500 MM) DIAMETERS, AS DEFINED AND DESCRIBED IN THE LATEST VERSION OF ASTM D3350, EXCEPT THAT CARBON BLACK CONTENT SHOULD NOT EXCEED 4%.

INSTALLATION

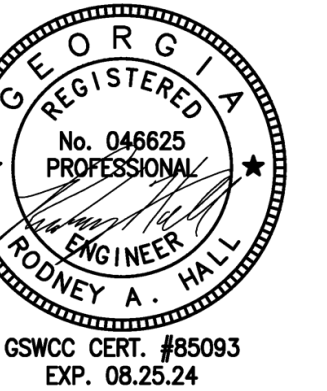
INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321 AND ADS'S PUBLISHED INSTALLATION GUIDELINES. WITH THE EXCEPTION THAT MINIMUM COVER IN TRAFFICKED AREAS FOR 4- THROUGH 48-INCH (100 TO 1200 MM) DIAMETERS SHALL BE ONE FOOT (0.3 M), AND FOR 54- AND 60-INCH (1350 AND 1500 MM) DIAMETERS, SHALL BE 2 FT (0.6 M) IN SINGLE RUN APPLICATIONS.

MANHOLE REQUIREMENTS

- 1. PRECAST CONCRETE MANHOLE BARREL AND ECCENTRIC TOP SECTIONS SHALL CONFORM TO SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS, ASTM DESIGNATION C478, EXCEPT AS OTHERWISE SPECIFIED BELOW.
2. BARREL SECTIONS SHALL HAVE TONGUE AND GROOVE JOINTS. JOINTS SHALL HAVE ROUND RUBBER GASKETS SET IN SPECIALLY PROVIDED INDENTION.
3. TYPE I CEMENT SHALL BE USED, EXCEPT AS OTHERWISE APPROVED.
4. THE DATE OF MANUFACTURE AND THE NAME OR TRADEMARK OF THE MANUFACTURER SHALL BE CLEARLY MARKED ON THE INSIDE OF EACH PRECAST SECTION.
5. SECTIONS SHALL BE CURED BY AN APPROVED METHOD FOR AT LEAST 28 DAYS.
6. TOP SECTIONS SHALL BE ECCENTRIC EXCEPT PRECAST CONCRETE SLABS SHALL BE USED WHERE COVER OVER THE TOP OF THE PIPE IS LESS THAN FOUR FEET FOR ALL MANHOLES.
7. PRECAST CONCRETE SLABS OVER TOP SECTION, WHERE REQUIRED, SHALL BE CAPABLE OF SUPPORTING THE OVERBURDEN PLUS A LIVE LOAD EQUIVALENT TO AASHTO H-20 LOADING.
8. MANHOLE STEPS SHALL BE CAST INTO THE PRECAST SECTIONS AND SHALL CONFORM TO ASTM SPECIFICATION C478.
9. HOLES IN PRECAST SECTIONS TO RECEIVE SEWER PIPE SHALL BE PRECAST AT THE FACTORY AT THE REQUIRED LOCATIONS.
10. THE TOPS OF BASES SHALL BE SUITABLY SHAPED TO MATE WITH THE PRECAST BARREL SECTION.
11. CAST IRON FRAMES AND COVERS SHALL BE EAST JORDAN IRON WORKS MODEL V-1480, STANDARD; V-2480, BOLTDOWN WATERTIGHT; U.S. FOUNDRY MODEL 360-E, STANDARD; 360-E/ORS, BOLTDOWN WATERTIGHT; OR EQUAL.
12. MANHOLES AND OTHER PRECAST STRUCTURES SHALL BE CONSTRUCTED TO THE DIMENSIONS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THESE SPECIFICATIONS.
13. THE BASE SHALL BE CAST-IN-PLACE CONCRETE PLACED ON A THOROUGHLY COMPACTED GRAVEL SUB-BASE.
14. PRECAST BASES, CONFORMING TO ALL REQUIREMENTS OF ASTM C478 AND ABOVE LISTED REQUIREMENTS FOR PRECAST SECTIONS, MAY BE USED.
15. PRECAST CONCRETE STRUCTURE SECTIONS SHALL BE SET TO BE VERTICAL AND WITH SECTIONS IN TRUE ALIGNMENT WITH A 1/4" MAXIMUM TOLERANCE TO BE ALLOWED.
16. HOLES IN THE CONCRETE PIPE SECTIONS REQUIRED FOR HANDLING OR OTHER PURPOSES SHALL BE PLUGGED WITH A NON-SHRINKING GROUT.
17. WHERE HOLES MUST BE CUT IN THE PRECAST SECTIONS TO ACCOMMODATE PIPES, CORING SHALL BE DONE PRIOR TO SETTING THEM IN PLACE.
18. CAST IRON FRAMES SHALL BE PLACED, SHIMMED, AND SET IN PORTLAND CEMENT MORTAR TO THE REQUIRED GRADE. NO MORE THAN THREE COURSES OF LEVELING RINGS SHALL BE USED.



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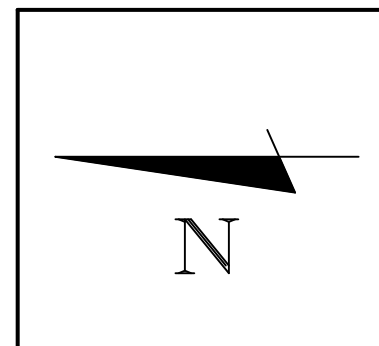
GSWCC CERT #85093 EXP. 08.25.24

GENERAL NOTES

CITY OF LAGRANGE, GA LINCOLN STREET - DALLIS STREET LANDSCAPE IMPROVEMENTS

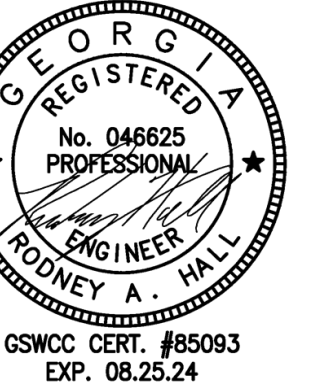
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Table with 4 columns: REV, OR, CH, DATE. Row 1: 01, 09/20/2023, ISSUED FOR CONSTRUCTION



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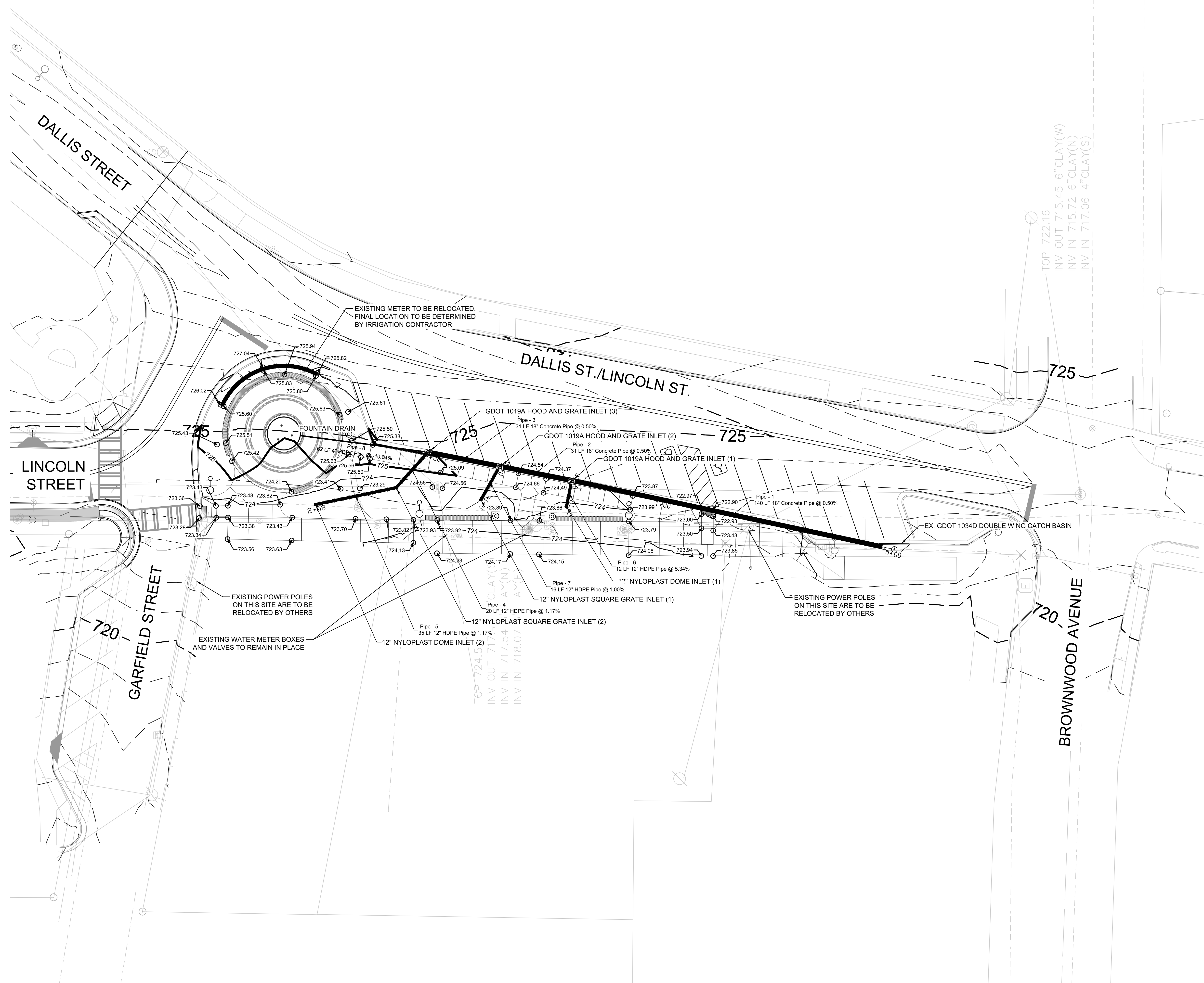
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GSMCC CERT #85093
EXP. 08.25.24

GRADING NOTES:

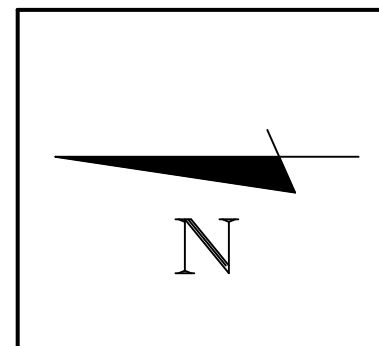
- SIDEWALK CROSS SLOPES SHALL NOT EXCEED 2.0%.
- CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING.
- CONTRACTOR TO PROVIDE ADEQUATE CROSS SLOPE TO NOT COLLECT WATER AT BASE OF SEATWALLS.
- ALL UTILITIES SHOWN ARE AT APPROXIMATE DEPTHS.
- CONTRACTOR TO POTHOLE AND VERIFY DEPTHS AND ADJUST UTILITIES AS NECESSARY.
- FOR WATER MAIN ADJUSTMENTS CONTRACTOR TO COORDINATE WITH CITY OF LAGRANGE. THE CITY WILL PAY FOR AND PERFORM ANY WATER LINE RELOCATIONS.
- IRRIGATION METERS TO BE FIELD ADJUSTED BY CONTRACTOR.



GRADING AND DRAINAGE PLAN

CITY OF LAGRANGE, GA
LINCOLN STREET - DALLIS STREET
LANDSCAPE IMPROVEMENTS

REV.	OR.	CHK.	DATE	DESCRIPTION

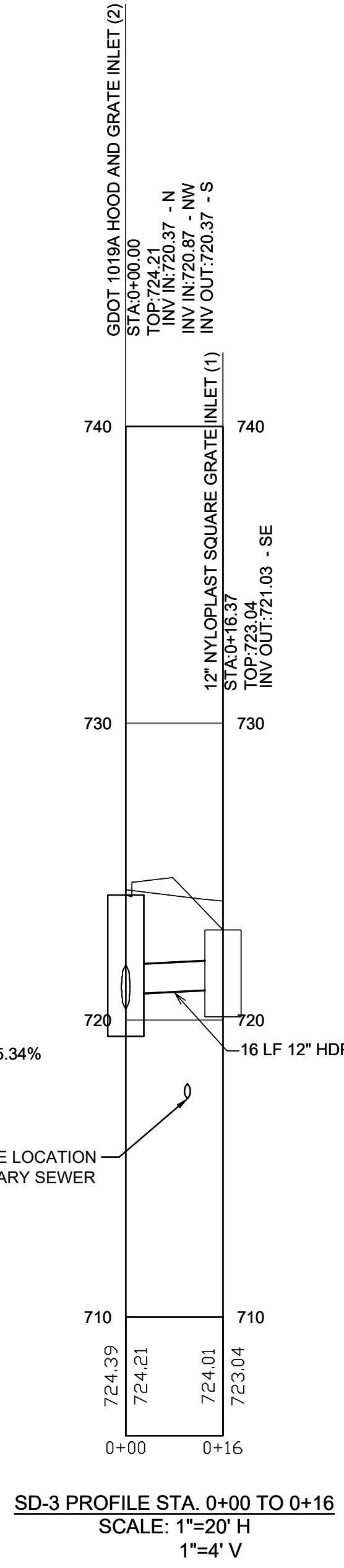
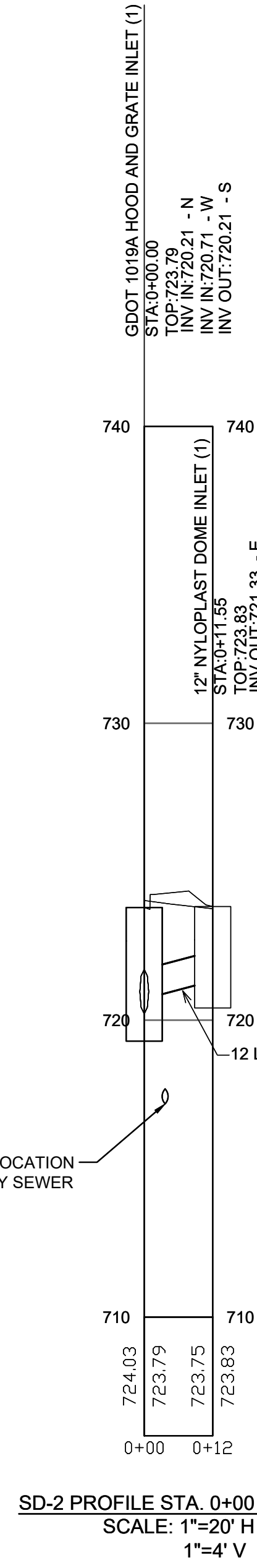
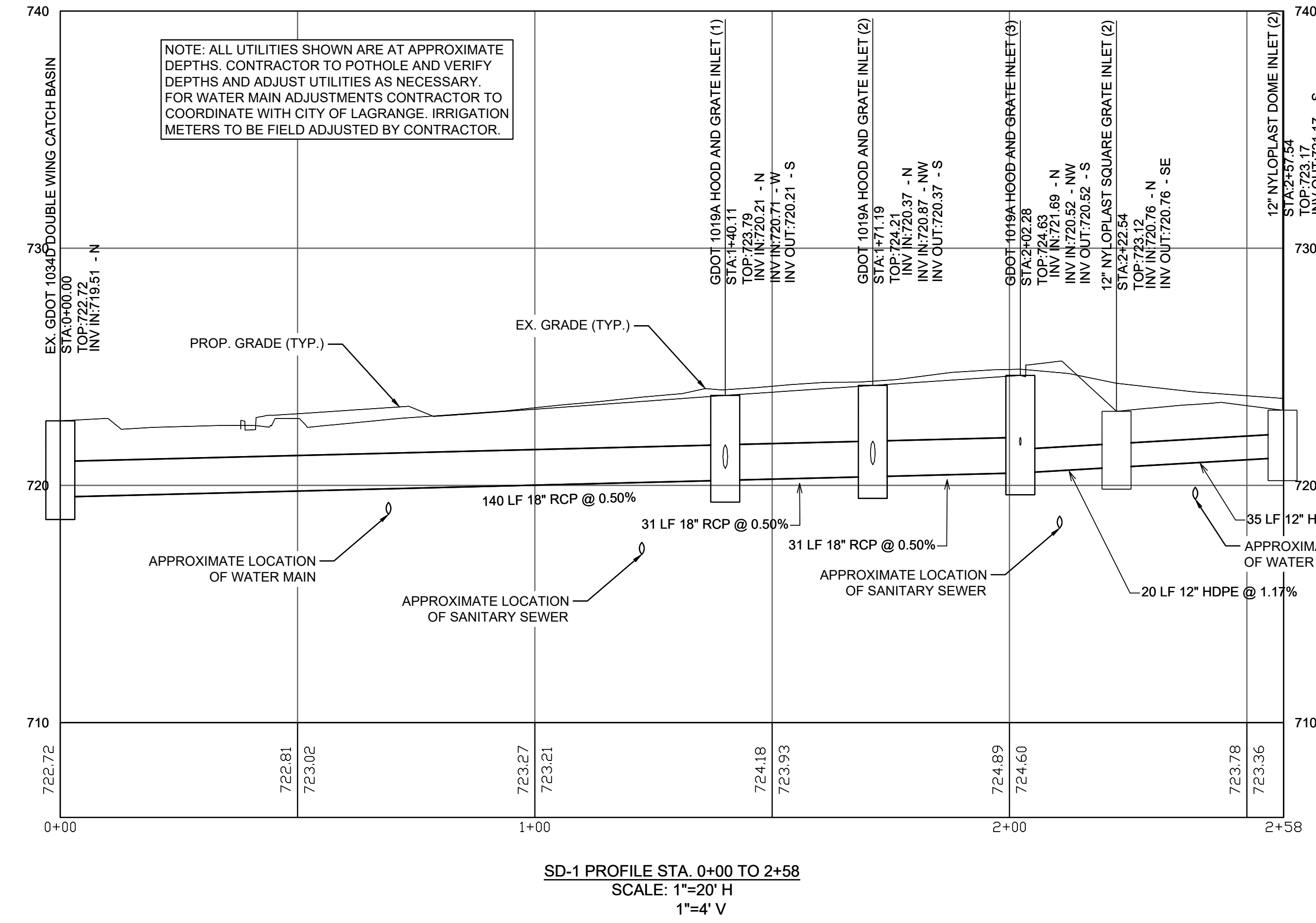


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SAVED:09/20/2023
PLOTTED:10/27/2023



NOTE: ALL UTILITIES SHOWN ARE AT APPROXIMATE DEPTHS. CONTRACTOR TO POTHOLE AND VERIFY DEPTHS AND ADJUST UTILITIES AS NECESSARY. FOR WATER MAIN ADJUSTMENTS CONTRACTOR TO COORDINATE WITH CITY OF LAGRANGE. IRRIGATION METERS TO BE FIELD ADJUSTED BY CONTRACTOR.

N

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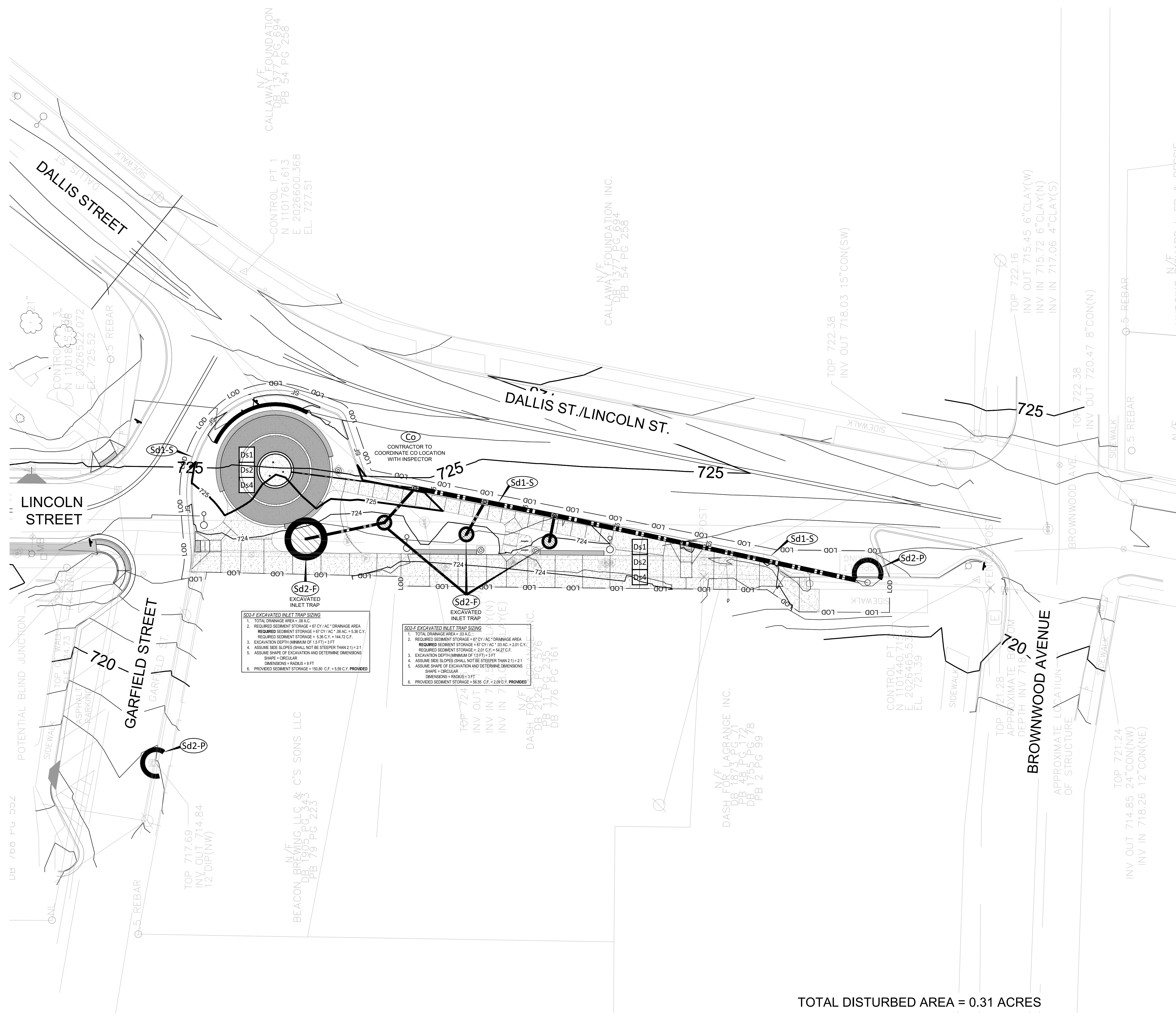
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STORM PROFILES
 CITY OF LAGRANGE, GA
LINCOLN STREET - DALLIS STREET
 LANDSCAPE IMPROVEMENTS





Sd2-F EXCAVATED INLET TRAP SIZING
 1. TOTAL DRAINAGE AREA = 38 AC.
 2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
 REQUIRED SEDIMENT STORAGE = 67 CY/AC * 38 AC = 2546 CY.
 REQUIRED SEDIMENT STORAGE = 136 CY * 144.74 CF.
 3. EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 3 FT
 4. ASSUME SIDE SLOPES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
 5. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS
 SHAPE = CIRCULAR
 DIMENSIONS = RADIUS = 8 FT
 6. PROVIDED SEDIMENT STORAGE = 150.80 CF = 5.59 C.Y. PROVIDED

Sd2-F EXCAVATED INLET TRAP SIZING
 1. TOTAL DRAINAGE AREA = 33 AC.
 2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
 REQUIRED SEDIMENT STORAGE = 67 CY/AC * 33 AC = 2211 CY.
 REQUIRED SEDIMENT STORAGE = 201 CY/AC * 54.27 CF.
 3. EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 3 FT
 4. ASSUME SIDE SLOPES (SHALL NOT BE STEEPER THAN 2:1) = 2:1
 5. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS
 SHAPE = CIRCULAR
 DIMENSIONS = RADIUS = 3 FT
 6. PROVIDED SEDIMENT STORAGE = 56.95 CF = 2.09 C.Y. PROVIDED

TOTAL DISTURBED AREA = 0.31 ACRES

N

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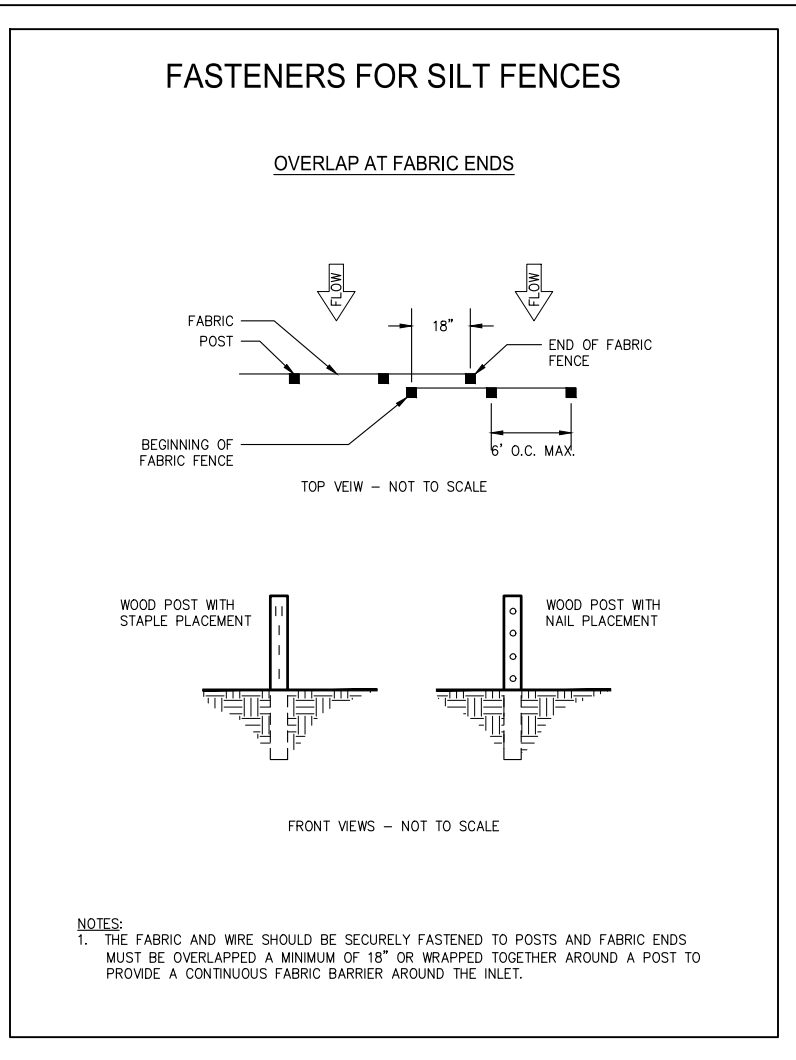
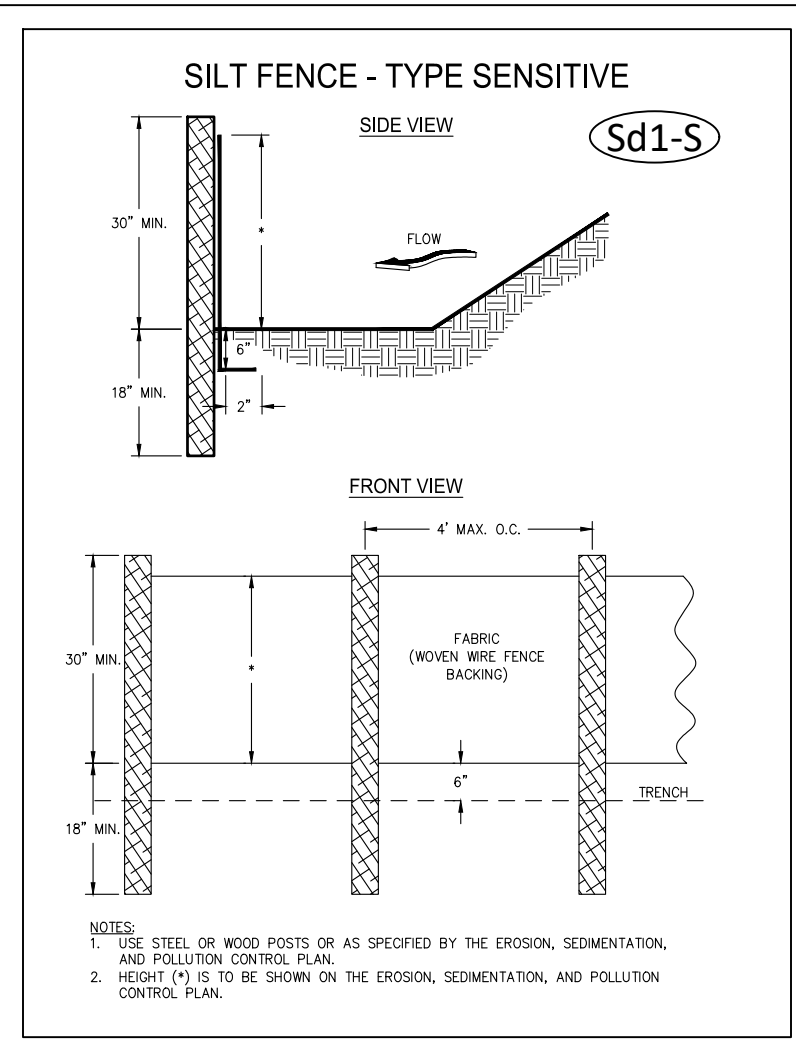
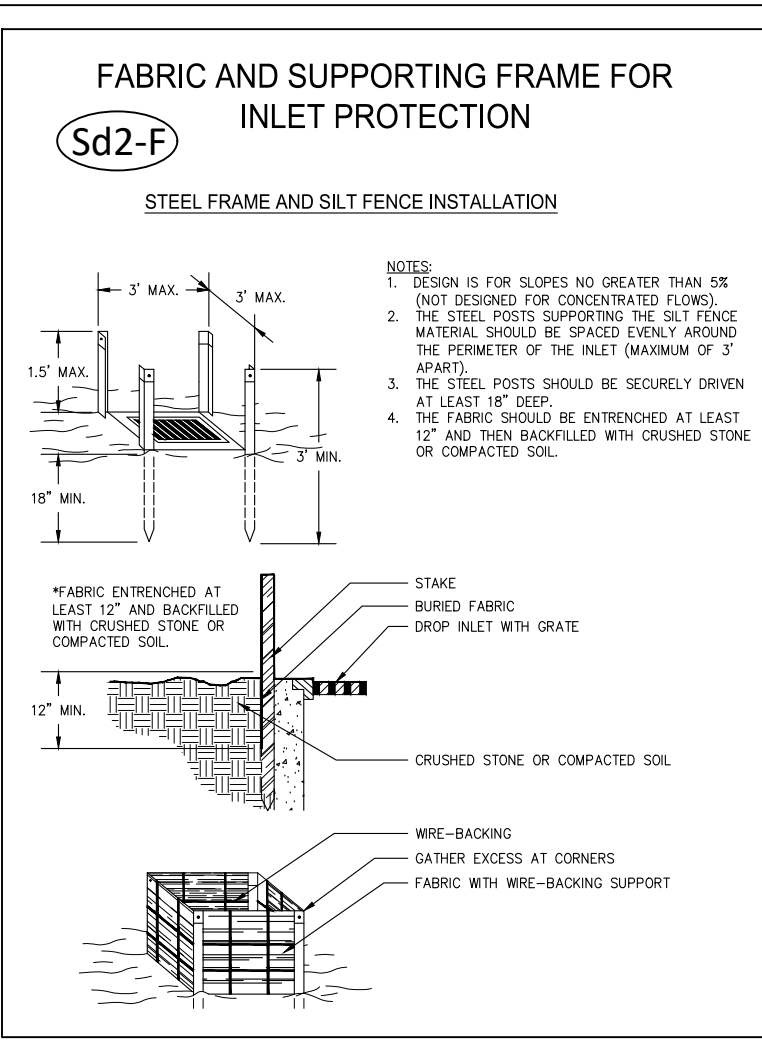
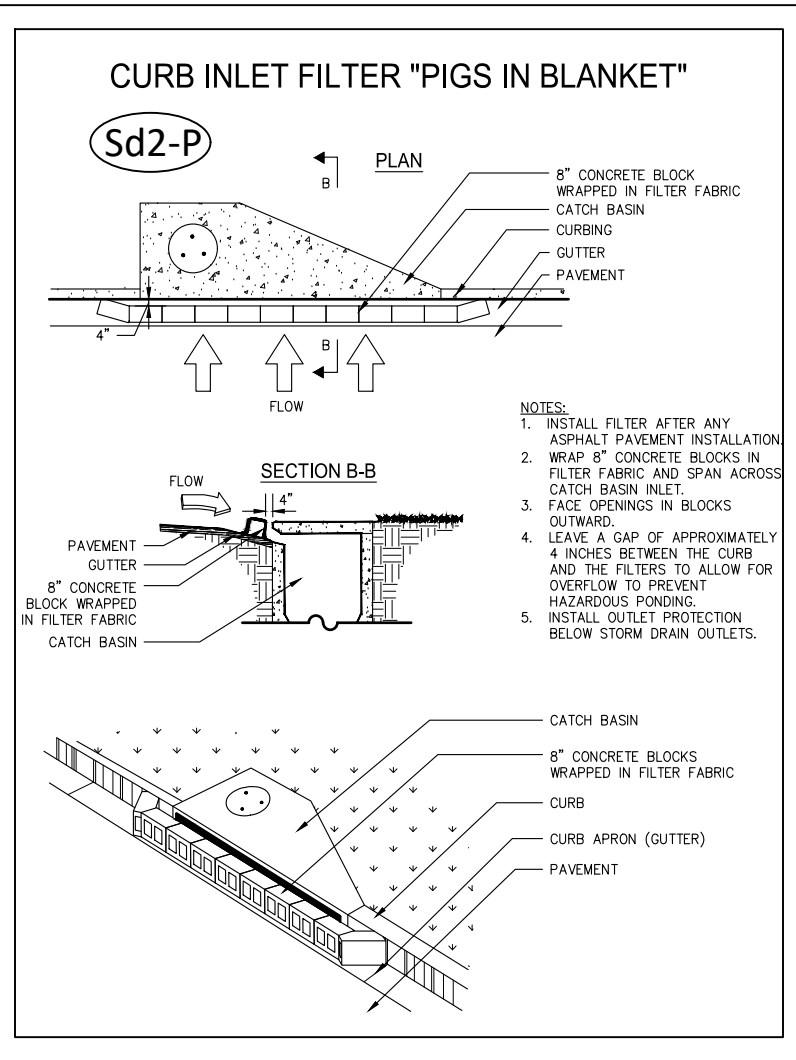
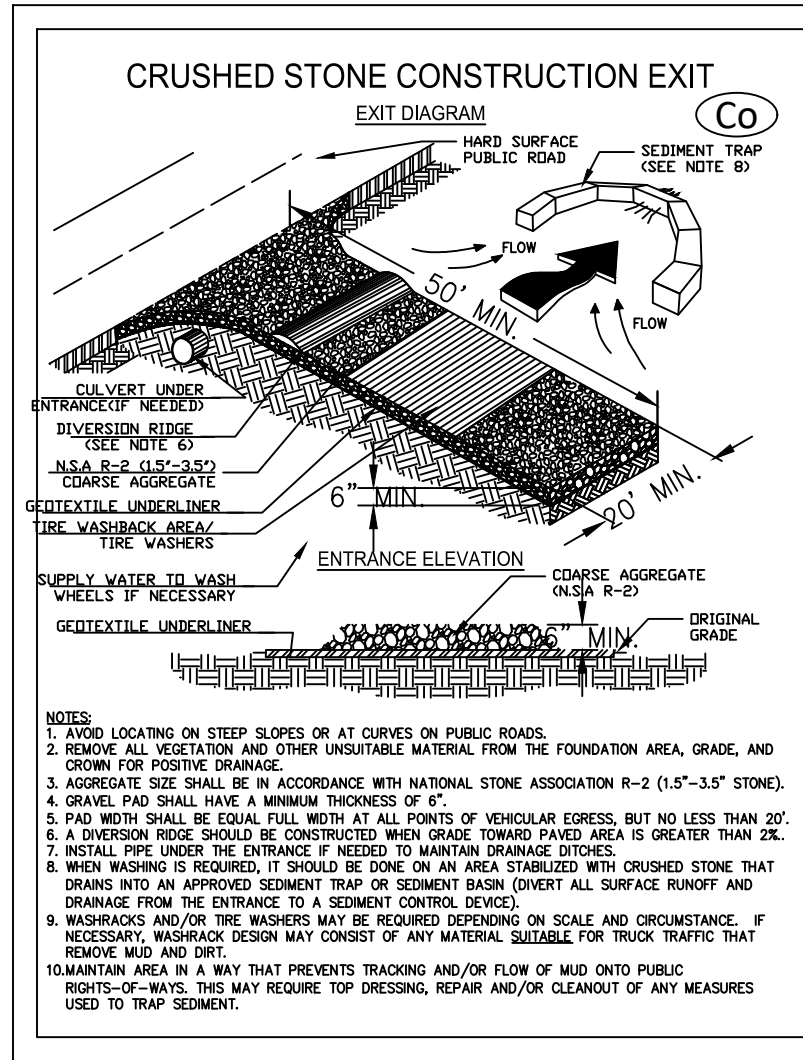
EROSION SYMBOL LEGEND	
CONSTRUCTION EXIT	Co
SEDIMENT BARRIER SENSITIVE	Sd1-S
INLET SEDIMENT TRAP	Sd2
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds4

EROSION PLAN LEGEND	
LIMITS OF DISTURBANCE	LOD
SILT FENCE	SF
INLET SEDIMENT TRAP	C
EXCAVATED INLET SEDIMENT TRAP	⊙



EROSION CONTROL PLAN
 CITY OF LAGRANGE, GA
LINCOLN STREET - DALLIS STREET
 LANDSCAPE IMPROVEMENTS

REV.	OR	CHK.	DATE	DESCRIPTION



Ds1 DISTURBED AREA STABILIZATION (MULCH ONLY)

MULCHING OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGLE SEASON EROSION CONTROL DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF SOIL SURFACE.

MULCHING MATERIALS, APPLICATION, AND ANCHORING:

- DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE, APPLIED UNIFORMLY BY HAND OR MECHANICAL EQUIPMENT. SHALL BE PRESSED INTO THE SOIL WITH A DISK HARROW OR A PACKER DISK. IF SPREAD BY A BLOWER-TYPE EQUIPMENT, ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE - 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. REFER TO GSWCC MANUAL (2016 EDITION) TO TACKIFIERS AND BINDERS.
- WOOD WASTE (CHIPS, SAWDUST, OR BARK), SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES DEEP. NETTING OF APPROPRIATE SIZE SHALL BE USED TO ANCHOR.
- POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. ANCHOR TRENCHED AT TOP AS WELL AS INCREMENTALLY AS NECESSARY.

Ds2 TEMPORARY DISTURBED AREA STABILIZATION

MULCHING OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. TEMPORARY GRASSING CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN 6 MONTHS.

SEEDBED PREPARATION:

- NOT REQUIRED WITH A HYDRAULIC SEEDER.
- WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED, OR OTHERWISE SCARIFIED.

LIME AND FERTILIZER:

- AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. SEE EROSION CONTROL PLAN FOR FERTILIZER RATES. LIME AND FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

SEEDING:

- SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR. SEED SHALL BE APPLIED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTI-PACKER-SEEDER OR HYDRAULIC SEEDER. APPROPRIATE DEPTH OF PLANTING IS TEN TIMES THE SEED DIAMETER.

IRRIGATION:

- DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION.

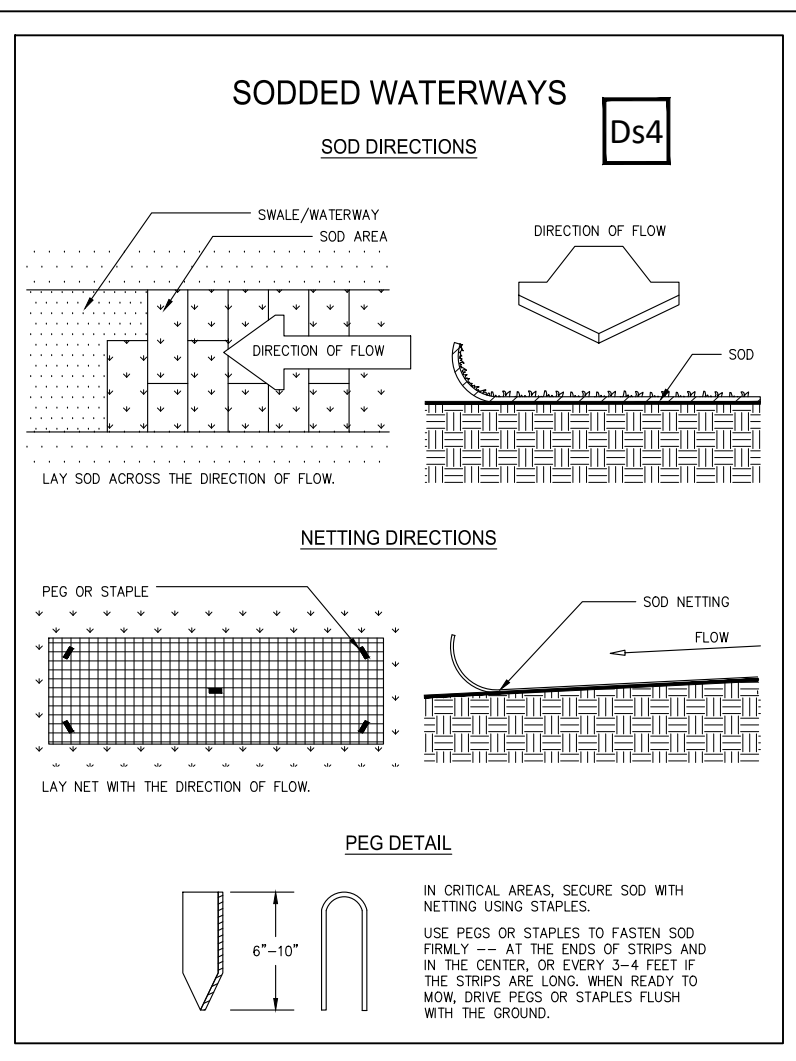
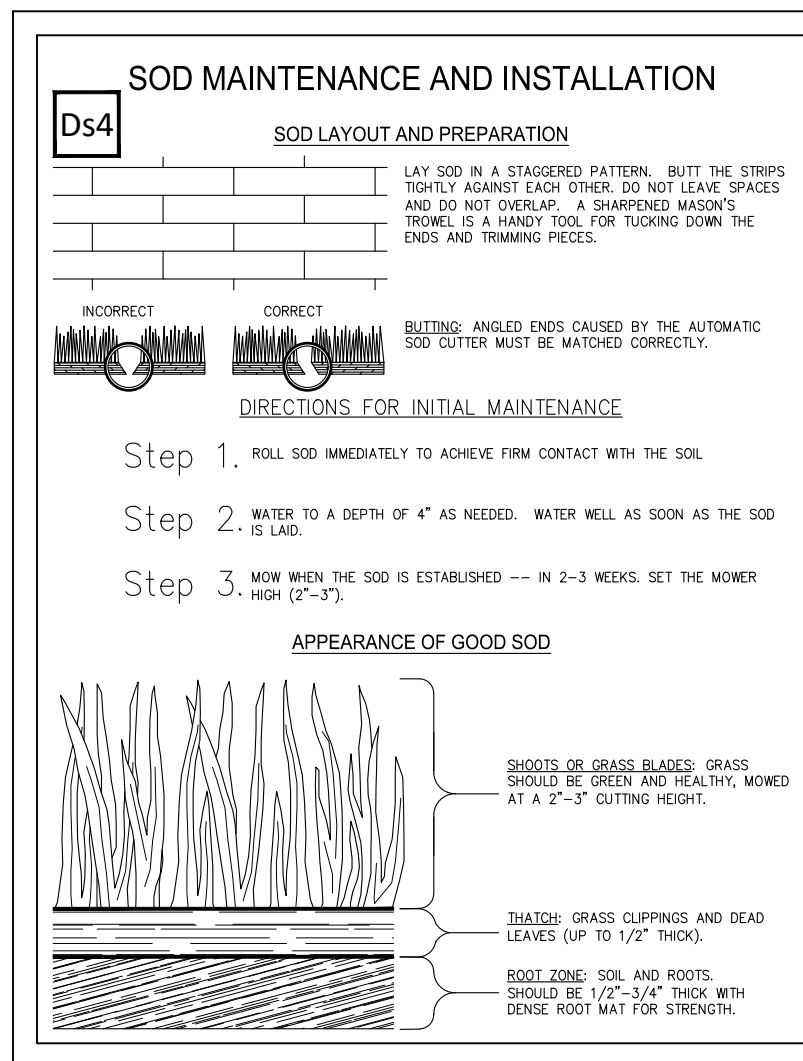
Ds2 TABLE 6-4.1 SOME TEMPORARY PLANT SPECIES, SEEDING RATES, AND PLANTING DATES

SPECIES	RATES PER 1,000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION		
			M-L	P	C
BARLEY ALONE	3.3 lbs	3 bu			
BARLEY IN MIXTURES	0.6 lbs	0.5 bu	9/1-10/31	9/15-11/15	10/1-12/31
LESPEDEZA ANNUAL	0.9 lbs	40 lbs			
LESPEDEZA IN MIXTURES	0.2 lbs	10 lbs	3/1-3/31	3/1-3/31	2/1-2/28
LOVEGRASS WEEPING	0.1 lbs	4 lbs			
LOVEGRASS IN MIXTURES	0.05 lbs	2 lbs	4/1-5/31	4/1-5/31	3/1-5/31
MILLET BROWNTOP	0.9 lbs	40 lbs			
MILLET IN MIXTURES	0.2 lbs	10 lbs	4/15-6/15	4/15-6/30	4/15-6/30
MILLET PEARL	1.1 lbs	50 lbs			
OATS ALONE	2.99 lbs	4 bu	9/15-11/15	9/15-11/15	9/15-11/15
OATS IN MIXTURES	0.7 lbs	1 bu			
RYE ALONE	3.9 lbs	4 bu	8/15-10/31	9/15-11/30	10/1-12/31
RYE IN MIXTURES	0.6 lbs	0.5 bu			
RYEGRASS	0.9 lbs	40 lbs	8/15-11/15	9/1-12/15	9/15-12/31
SUDANGRASS	1.4 lbs	60 lbs	5/1-7/31	5/1-7/31	4/1-7/31
TRITICALE ALONE	3.3 lbs	3 bu			
TRITICALE IN MIXTURES	0.6 lbs	0.5 bu	N/A	N/A	10/15-11/30
WHEAT ALONE	4.1 lbs	3 bu			
WHEAT IN MIXTURES	0.7 lbs	0.5 bu	9/15-11/30	10/1-12/15	10/15-12/31

Ds2 TABLE 6-5.1. FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

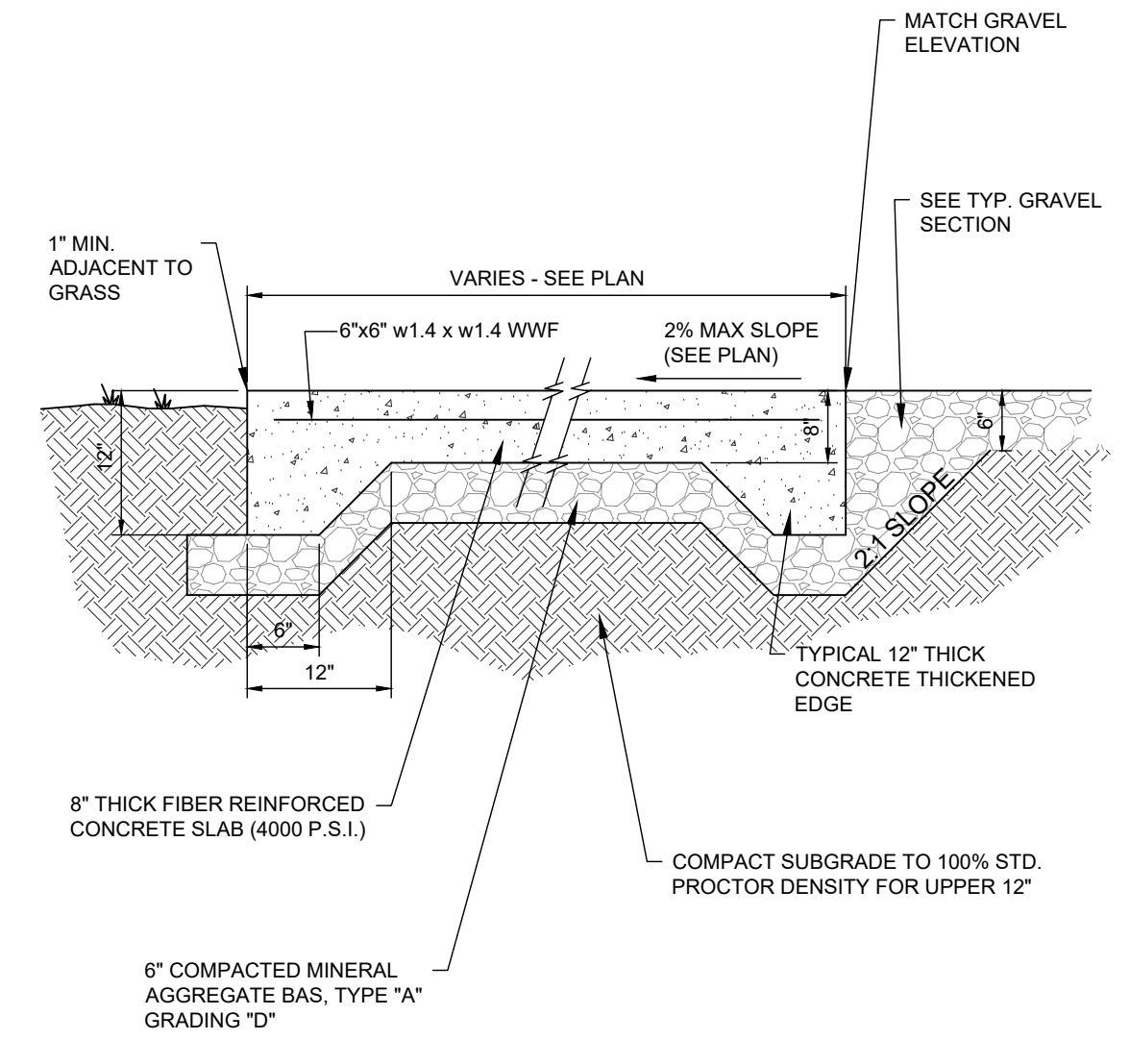
SPECIES	YEAR	ANALYSIS/EQUIVALENT	RATE	N TOP DRESSING RATE
COOL SEASON GRASSES	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC. 1/2'
	SECOND MAINTENANCE	6-12-12	400 LBS./AC.	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC. 1'
	SECOND MAINTENANCE	6-12-12	400 LBS./AC.	---
GROUND COVERS	FIRST	10-10-10	1300 LBS./AC. 3'	---
	SECOND MAINTENANCE	10-10-10	1300 LBS./AC. 3'	---
PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	---
	MAINTENANCE	10-10-10	700 LBS./AC.	---
SHRUB LESPEDEZA	FIRST	0-10-10	700 LBS./AC.	---
	MAINTENANCE	10-10-10	700 LBS./AC. 4'	---
TEMPORARY COVER CROPS SEEDS ALONE	FIRST	10-10-10	500 LBS./AC.	30 LBS./AC. 5'
WARM SEASON GRASSES	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC. 2/6'
	SECOND MAINTENANCE	10-10-10	400 LBS./AC.	50-100 LBS./AC. 2'
WARM SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500 LBS./AC.	50-100 LBS./AC. 6'
	SECOND MAINTENANCE	10-10-10	400 LBS./AC.	---

1- APPLY IN SPRING FOLLOWING SEEDING.
2- APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3- APPLY IN 3 SPLIT APPLICATIONS.
4- APPLY WHEN PLANTS ARE PRUNED.
5- APPLY TO GRASS SPECIES ONLY.
6- APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.



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NOTES:

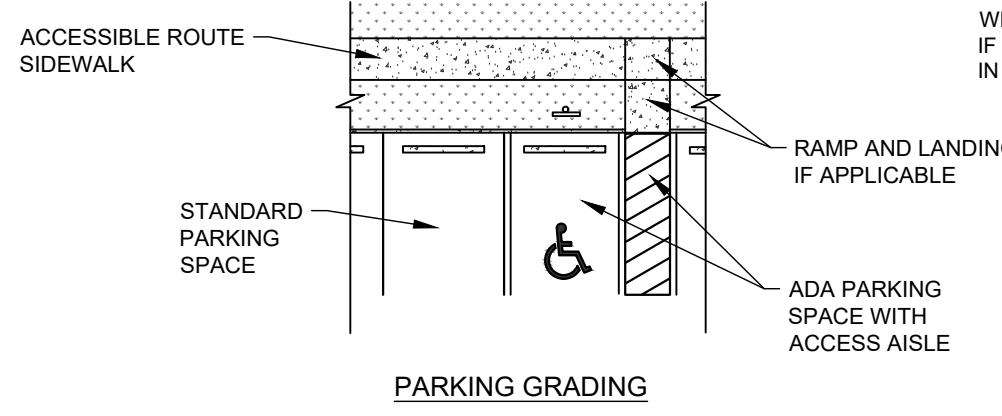
- FOR PREPARATION OF PAVEMENT SUBGRADE, SEE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- GRAVEL BASE COURSE MIXTURES SHOULD CONFORM TO REQUIREMENTS OF SECTION 303 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.
- PORTLAND CEMENT CONCRETE PAVEMENT MIXTURE SHALL BE IN ACCORDANCE WITH SECTION 501 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.
- TRANSVERSE PREFORMED EXPANSION JOINTS SHALL BE PLACED ON STALL STRIPING CENTERLINE WITH A MAXIMUM MAXIMUM SPACING OF 17' (PARKING STALL AND AISLE WIDTH). LONGITUDINAL PREFORMED EXPANSION JOINTS SHALL BE EQUALLY SPACED AT 20' CENTERS. CONTRACTION JOINTS SHALL BE EQUALLY SPACED AT 10' CENTERS.

1 ADA CONCRETE PAD
C4.00 SCALE: NTS

BSI-STE-1024

NOTES:

- DIMENSIONS ARE TO THE CENTERLINE OF WHITE MARKINGS, UNLESS OTHERWISE SHOWN.
- INTERIOR BLUE MARKINGS ARE SUPPLEMENTAL AND SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A.
- AN ACCESS AISLE IS REQUIRED FOR EACH ACCESSIBLE SPACE THAT IS NOT A PARALLEL PARKING SPACE.
- ACCESSIBLE AISLE TO BE LOCATED PASSENGER SIDE FOR SOLITARY ADA PARKING SPACE AND ALL VAN PARKING SPACES.
- PAVEMENT SYMBOL SHALL BE 3' OR 5' HIGH AND WHITE IN COLOR.
- IF NO CURBING IS SPECIFIED IN THE PLANS, WHEEL STOPS SHALL BE USED TO DELINEATE PARKING SPACES. SEE DETAILS.
- STALL DEPTH IS TO ACCOUNT FOR 2' VEHICLE OVERHANG AS MEASURED FROM FACE OF CURB OR FACE OF WHEEL STOP.
- IF THERE IS NO LANDSCAPE BUFFER BETWEEN PARKING STALLS AND ACCESSIBLE ROUTE, THE MINIMUM SIDEWALK WIDTH SHALL BE INCREASED BY THE AMOUNT OF VEHICLE OVERHANG. (E.G. 2 FT IF NO WHEEL STOPS)

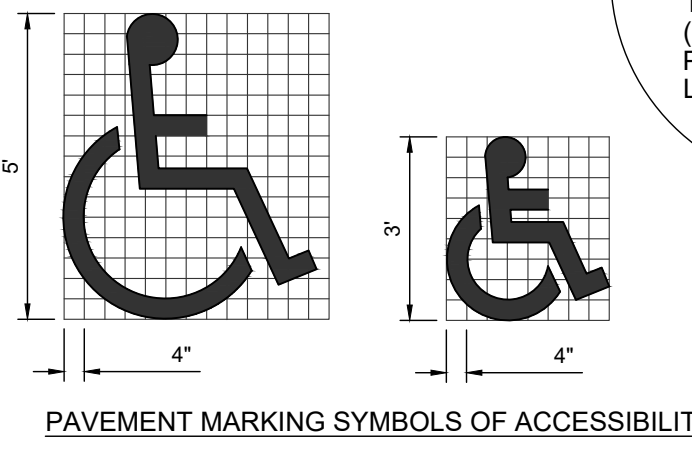
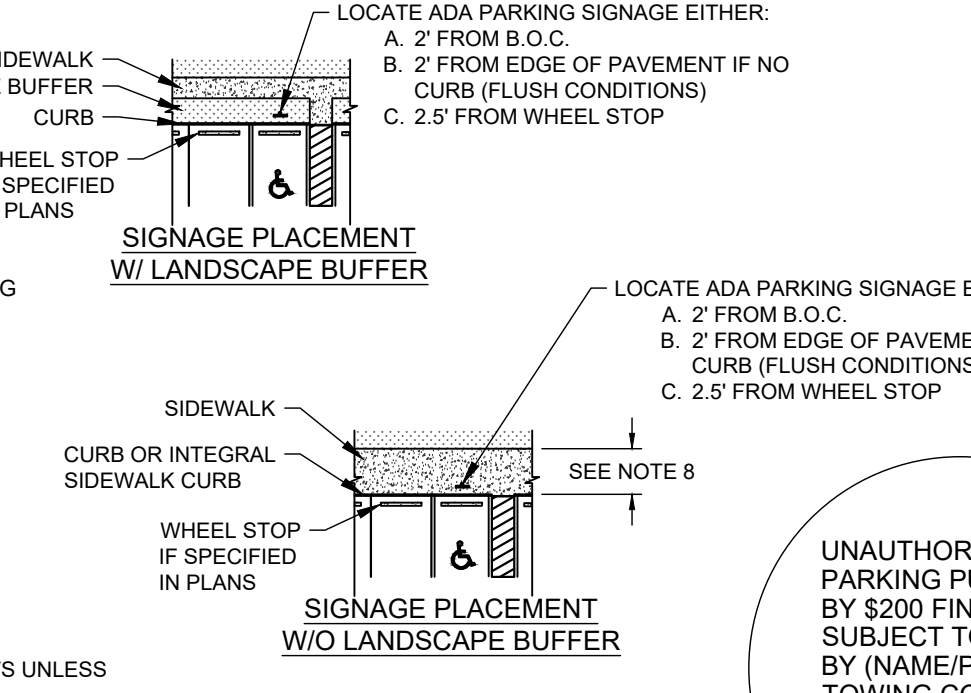
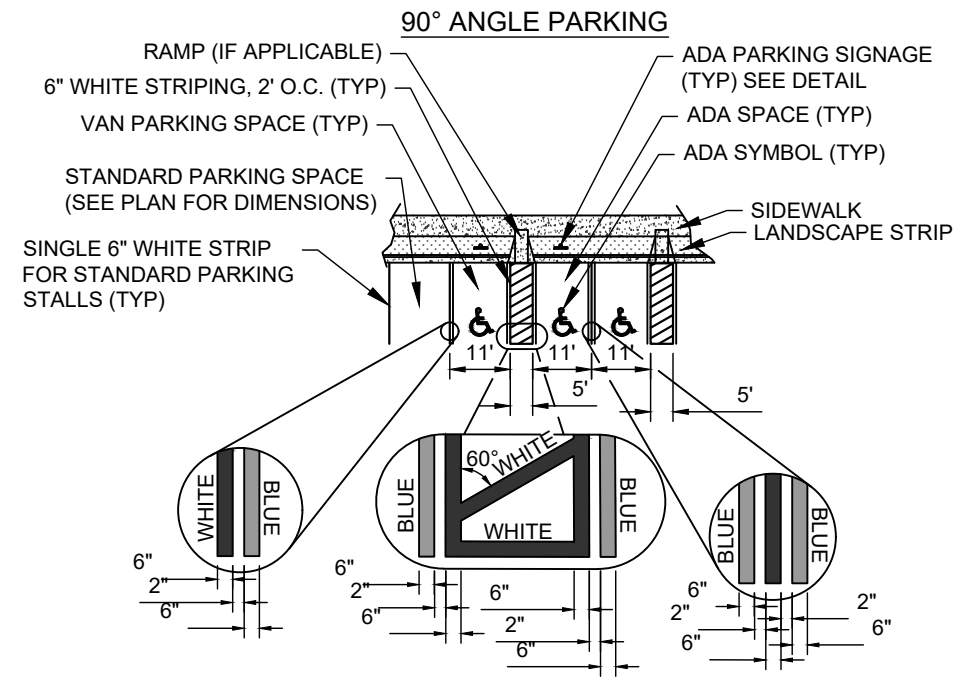


GRADING NOTES:

- ADA PARKING SPACES FINISHED GRADE SLOPES SHALL NOT EXCEED 1.5% IN ANY DIRECTION UNLESS OTHERWISE SPECIFIED IN PLANS.
- STANDARD ACCESSIBLE ROUTE CONSTRUCTION REQUIREMENTS ARE AS FOLLOWS UNLESS OTHERWISE NOTED:
 - MAX LONGITUDINAL SLOPE: 4.5%
 - STANDARD CROSS SLOPE: 1.5%
- STANDARD RAMP CONSTRUCTION REQUIREMENTS ARE AS FOLLOWS UNLESS OTHERWISE NOTED:
 - RAMP LENGTH: 7'
 - RAMP RISE: 6"
 - LANDING DEPTH: 5'
- STANDARD PARKING SPACES FINISHED GRADE SLOPES SHALL NOT EXCEED 4% UNLESS OTHERWISE SPECIFIED IN PLANS.

2 PARKING DETAILS
C4.00 SCALE: NTS

BSI-STE-1001

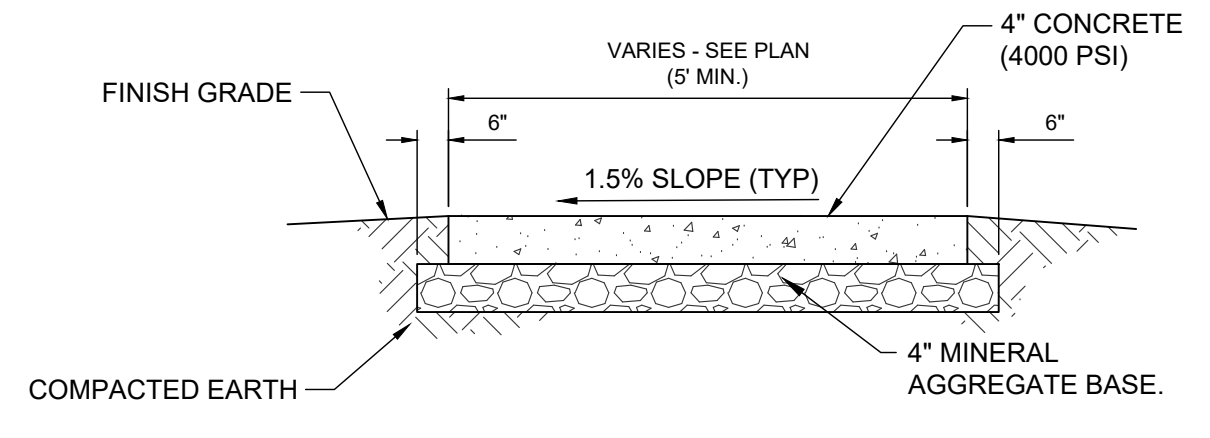
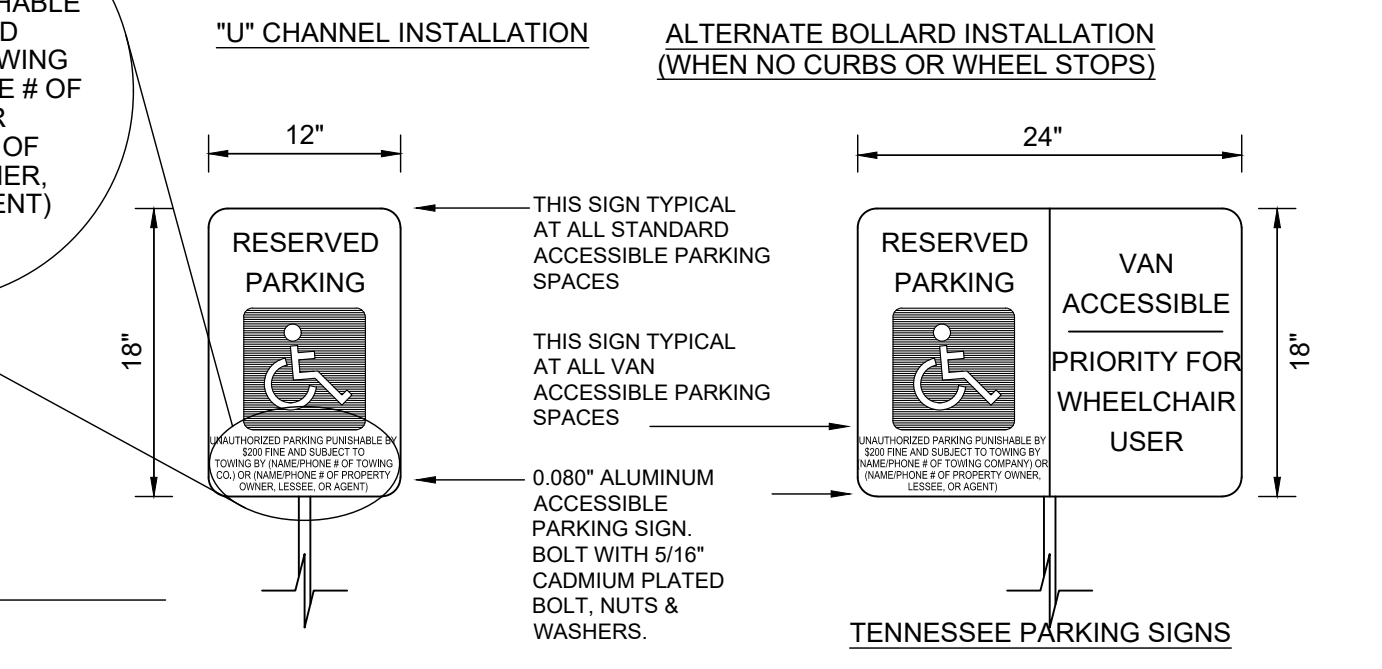
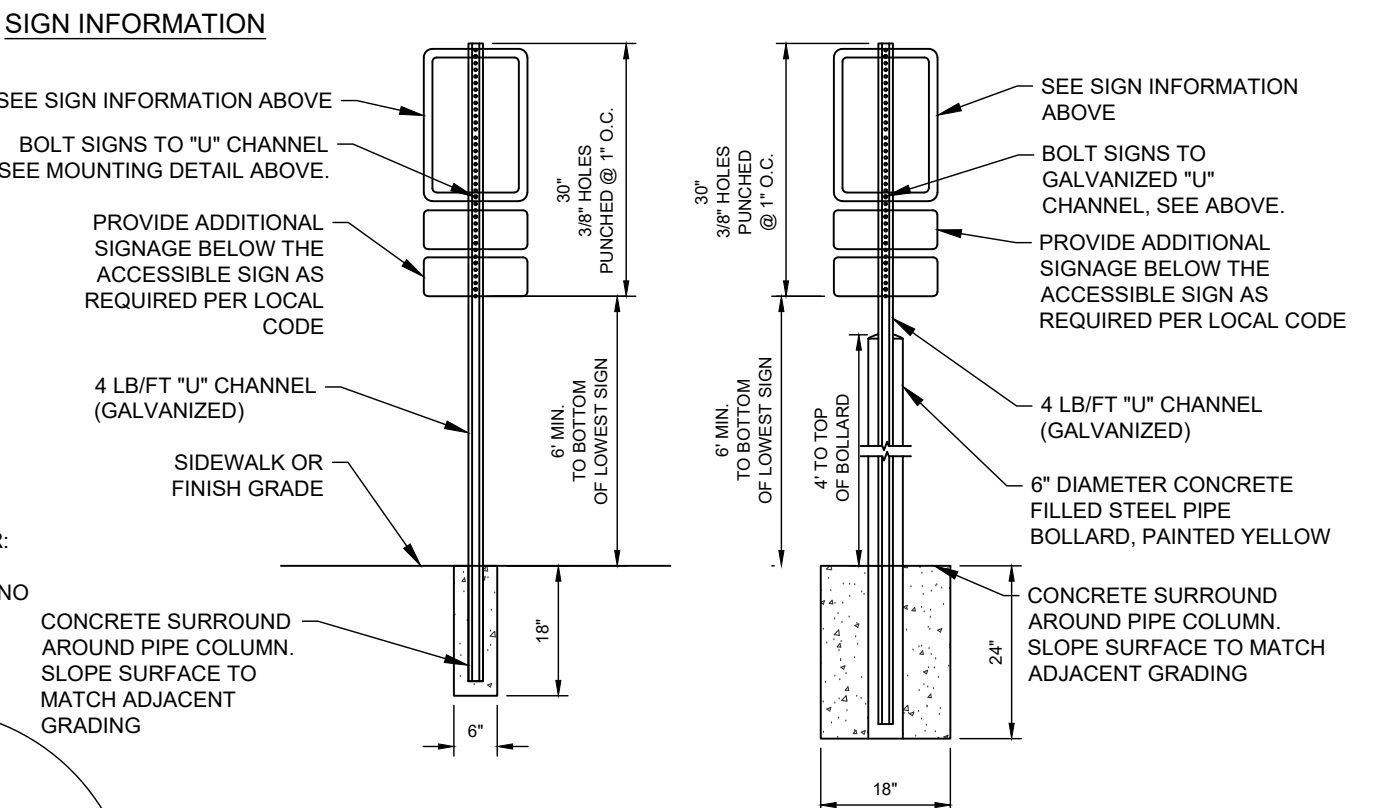
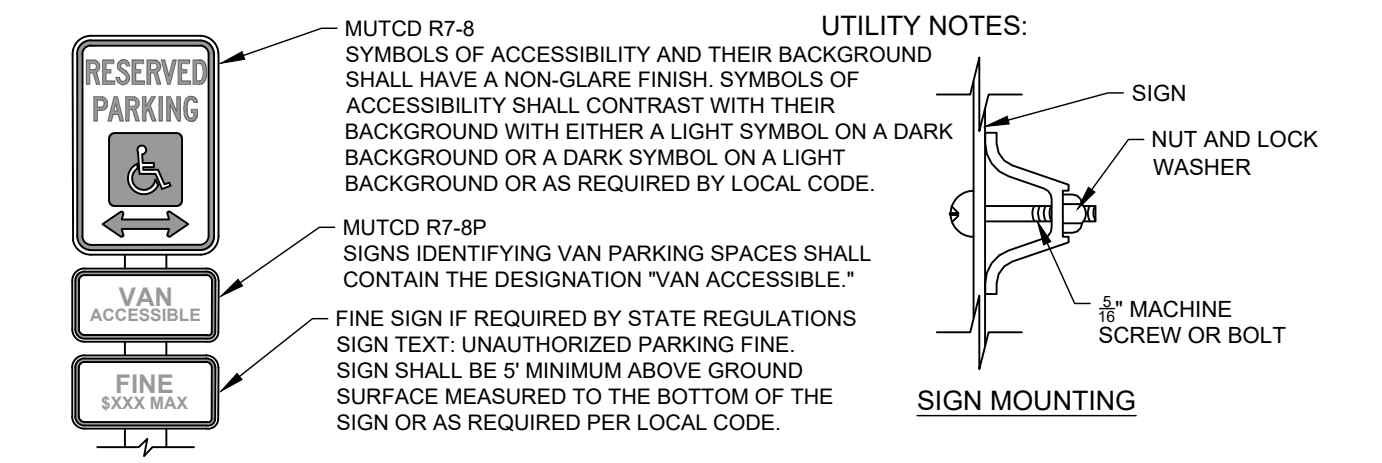


4 ASPHALT OVERLAY
C4.00 SCALE: NTS

NOTES:

- ASPHALTIC SURFACE COURSE MIXTURES SHALL BE IN ACCORDANCE WITH TYPE REFERENCED IN SECTION 411 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- PROVIDE PRIME COAT AND TACK COAT TO FACE OF CURB WHERE CURB CONTACTS ASPHALT.

4 ASPHALT OVERLAY
C4.00 SCALE: NTS

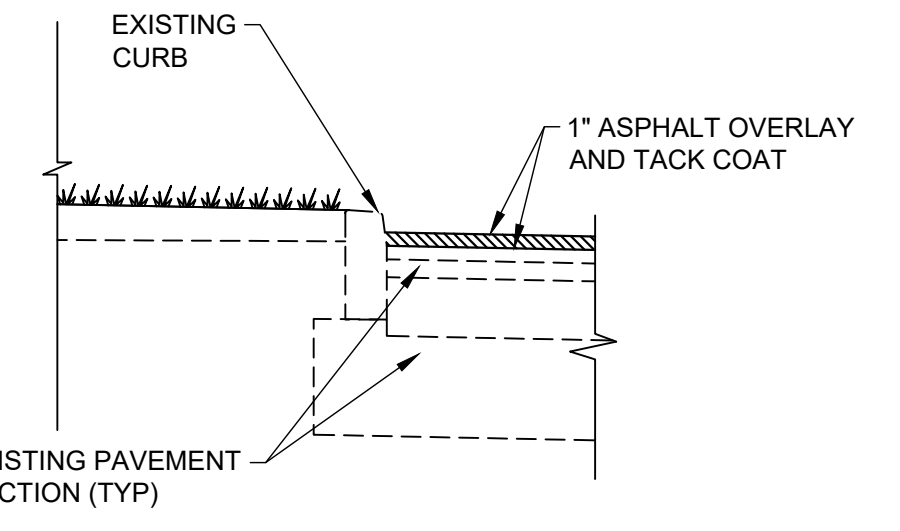


NOTES:

- PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT 25' CENTERS.
- 1/4" CONTRACTION JOINTS SHALL BE EQUALLY SPACED AT 5' CENTERS BETWEEN EXPANSION JOINTS.
- SEE PLANS FOR SPECIFIC AND/OR SPECIAL JOINT LAYOUTS, IF ANY.
- 1.5% CROSS SLOPE TYPICAL FOR POSITIVE DRAINAGE.
- 2.0% ABSOLUTE MAXIMUM CROSS SLOPE, STRICTLY ENFORCED.
- SIDEWALK TO HAVE MEDIUM BROOM FINISH PERPENDICULAR TO PRIMARY DIRECTION OF TRAVEL.

3 CONCRETE SIDEWALK
C4.00 SCALE: NTS

BSI-PVG-5016



NOTES:

- ASPHALTIC SURFACE COURSE MIXTURES SHALL BE IN ACCORDANCE WITH TYPE REFERENCED IN SECTION 411 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- PROVIDE PRIME COAT AND TACK COAT TO FACE OF CURB WHERE CURB CONTACTS ASPHALT.

4 ASPHALT OVERLAY
C4.00 SCALE: NTS

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STANDARD CATCH BASINS WITH CAST IRON GRATE INLETS

REV. & REDR. SEPT. 1999
NUMBER 1019A

D	TYPE 'A' (BRICK)			TYPE 'B' (BRICK)			TYPE 'C' (REINFORCED CONCRETE)		
	W	H	D	W	H	D	W	H	D
18"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
24"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
30"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
36"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
42"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
48"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
54"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
60"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"

STANDARD DROP INLETS

REV. & REDR. AUG. 1999
NUMBER 1019A

D	TYPE 'A' (BRICK)			TYPE 'B' (BRICK)			TYPE 'C' (REINFORCED CONCRETE)		
	W	H	D	W	H	D	W	H	D
18"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
24"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
30"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
36"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
42"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
48"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
54"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
60"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"

STANDARD PRECAST DROP INLETS

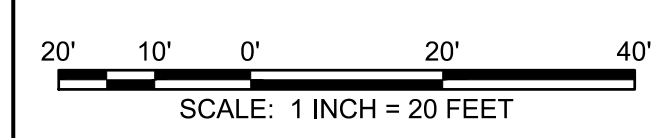
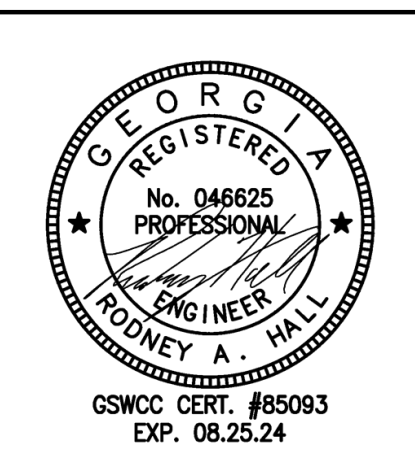
REV. & REDR. SEPT. 1999
NUMBER 1019A

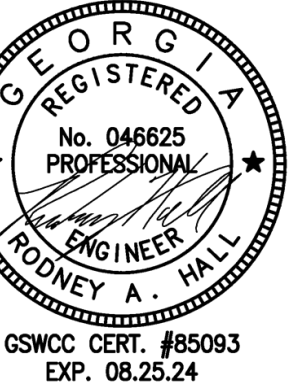
D	TYPE 'A' (BRICK)			TYPE 'B' (BRICK)			TYPE 'C' (REINFORCED CONCRETE)		
	W	H	D	W	H	D	W	H	D
18"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
24"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
30"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
36"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
42"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
48"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
54"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
60"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"

STANDARD CONCRETE CURBS & GUTTERS

REV. & REDR. MAR. 2003
NUMBER 9032B

CURB TYPE	W	H	D	MINIMUM CURB LENGTHS	
				CONCRETE CURB	CONCRETE MEDIUM
1	2'-0"	4"	6"	10'	10'
2	2'-0"	4"	6"	10'	10'
3	2'-0"	4"	6"	10'	10'
4	2'-0"	4"	6"	10'	10'
5	2'-0"	4"	6"	10'	10'
6	2'-0"	4"	6"	10'	10'
7	2'-0"	4"	6"	10'	10'
8	2'-0"	4"	6"	10'	10'
9	2'-0"	4"	6"	10'	10'





GSWCC CERT #85093
EXP. 08.25.24

SITE DETAILS (4)

CITY OF LAGRANGE, GA
LINCOLN STREET - DALLIS STREET
LANDSCAPE IMPROVEMENTS

PIPE DIAMETER (INCHES)	TYPE	MINIMUM COVER (INCHES)	HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE																PIPE DIAMETER (INCHES)
			1 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 50	50 - 60	60 - 70	70 - 80	80 - 90					
12	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064			
	ALUM 1	12	.060	.060	.060	.060	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075			
15	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064			
	ALUM 1	12	.060	.060	.060	.060	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075			
18	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064			
	ALUM 1	12	.060	.060	.060	.060	.075	.075	.075	.075	.105	.105	.105	.105	.105	.105			
24	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.079			
	ALUM 1	12	.060	.060	.060	.075	.075	.075	.075	.105	.105	.105	.105	.105	.105	.105			
30	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.079	.109	.109	.109			
	ALUM 1	12	.075	.075	.075	.075	.075	.105	.105	.105	.135	.135	.135	.135	.135	.135			
36	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109	.138	.138			
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109	.138	.138			
42	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109	.138	.138			
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109	.138	.138			
48	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	.168	.168			
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	.168			
54	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.079	.079	.079	.079	.079	.079	.079	.079	.109	.138	.138	.168	.168	.168			
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	.168	.168			
60	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.109	.109	.109	.109	.109	.109	.109	.109	.138	.168	.168	.168	.168	.168			
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	.168	.168			
66	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.138	.138	.138	.138	.138	.138	.138	.138	.168	.168	.168	.168	.168	.168			
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.168	.168	.168	.168			
72	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	12	.138	.138	.138	.138	.138	.138	.138	.138	.168	.168	.168	.168	.168	.168			
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	.168	.168	.168			
78	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	15	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168			
	STEEL 2	15	.064	.064	.064	.064	.079	.109	.109	.138	.168	.168	.168	.168	.168	.168			
84	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	15	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168	.168			
	STEEL 2	15	.064	.064	.064	.079	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168			
90	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	18	.064	.064	.064	.079	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168			
	STEEL 2	18	.064	.064	.064	.079	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168			
96	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	18	.079	.079	.079	.079	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168			
	STEEL 2	18	.079	.079	.079	.079	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168			
102	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	24	.079	.079	.079	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168	.168			
	STEEL 2	24	.135	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164			
108	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	24	.109	.109	.109	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168	.168			
	STEEL 2	24	.109	.109	.109	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168	.168			
114	CONCRETE	24	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	24	.109	.109	.109	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168	.168			
	STEEL 2	24	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164			
120	CONCRETE	24	III	III	IV	V	V	V	V	V	V	V	V	V	V	V			
	STEEL 1	24	.109	.109	.109	.109	.138	.168	.168	.168	.168	.168	.168	.168	.168	.168			
	STEEL 2	24	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164	.164			

IMPERFECT BACKFILL IS NOT REQUIRED FOR CONDITIONS SHOWN ON THE LEFT SIDE OF THE HEAVY LINE. USE NORMAL BACKFILL.

FOR CONDITIONS TO THE RIGHT OF THE HEAVY LINE, CLASS V CONCRETE PIPE REQUIRES IMPERFECT BACKFILL ACCORDING TO DETAIL "A" OR "B" ON SHEET 10F 3.

CONCRETE	STEEL	ALUMINUM
.064	.064	.064
.079	.079	.079
.109	.109	.109
.138	.138	.138
.168	.168	.168
.168	.168	.168

STEEL 1 OR ALUM 1 DENOTES CORRUGATION PROFILE 2 2/3" X 1/2"

STEEL 2 OR ALUM 2 DENOTES CORRUGATION PROFILE 3" X 1" (OR 5" X 1" FOR STEEL PIPE ONLY)

ALL STEEL AND ALUMINUM PIPE SHALL BE LOCK-SEAM OR WELDED-SEAM (HELICAL) CONSTRUCTION.

MINIMUM COVER VALUES APPLY TO HS-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

TRENCH CONSTRUCTION IS REQUIRED FOR CONDITIONS ON BOTH SIDES OF HEAVY LINE. SEE SHEET 10F 3.

FOR CONDITIONS TO RIGHT OF HEAVY LINE, CONCRETE PIPE REQUIRES IMPERFECT BACKFILL ACCORDING TO SPECIFICATIONS AND THIS STANDARD.

TABLE VALUES FOR ALUMINUM CORRUGATED PIPE (OR ALUMINUM SPIRAL RIB PIPE) ARE COMPUTED BASED UPON ALCLAD ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH, $f_y=24,000$ PSI. IF ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 ($f_y=20,000$ PSI), THE TABLE NO. 1 ALLOWABLE FILL HEIGHTS SHALL BE ADJUSTED AS FOLLOWS:

A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 INCHES BECOMES 13.8 INCHES)

B. ALL HEIGHT OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FEET BECOMES 29.7-34.0 FEET)

GEN. REV.	NOTES	DATE
9-26-01		
3-9-99		

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD CONCRETE & METAL PIPE CULVERTS
SHEET 2 OF 3
FILL HEIGHTS FOR CONCRETE & CORRUGATED METAL PIPE

OCTOBER 21, 1998

1030D

STATE	PROJECT NUMBER	SHEET TOTAL
GA.		103 OF 103

811 Know what's below
Call before you dig.
811
www.call811.com

SCALE: 1 INCH = 20 FEET

20' 10' 0' 20' 40'

C4.30
FILE NO. 3643219