

ADDENDUM NO. ONE (1)
CITY OF HELEN, GEORGIA
2026 SPRAY FIELD VEGETATION IMPROVEMENTS
ISSUED DECEMBER 2, 2025

RE: 2026 SPRAY FIELD VEGETATION IMPROVEMENTS
EMI PROJECT No. 24-022

FROM: ENGINEERING MANAGEMENT, INC.
303 SWANSON DRIVE
LAWRENCEVILLE, GA 30043
WILEY HELM, P.E.

TO: PROSPECTIVE BIDDERS

This Addendum forms a part of the Contract Documents and Drawings and modifies the original bidding documents dated October 2025.

The following items of the Contract Documents are modified as part of this Addendum:

Pre-Bid Meeting:

A non-mandatory pre-bid meeting was held on November 20, 2025, at Helen City Hall. A copy of the attendance is attached.

Clarifications

1. The intent of this addendum was to update the Bid Form and to remove ambiguity in certain work items.
2. Is there a deadline for technical questions?

EMI Response: The deadline for technical questions is Thursday December 4, one week before bid opening.

3. Is this a lump sum bid because some of the bid items are notated as unit price?

EMI Response: In the bid form, some bid items are lump sum and others are unit price. The bid form corresponds with Section 01025 Measurement and Payment in the technical specifications which provides additional detail on each bid item.

4. How do we know the quantity of trees to be select cut before field approval of marked trees during construction.?

EMI Response: Our select cut bid quantity is based on an assumed quantity of 10 trees per/acre of the “well forested areas” for a total of 350 trees to be select cut. See the Drawings for the definition of “well forested areas.” The Contractor will only be paid for the number of trees approved for select cut during construction, but for bidding purposes we are assuming 350 trees will be cut. The final number of trees may be more or less than 350. Any deviation from the total number of trees will be added to or deducted from the contract price through a change order at the unit cost per tree.

5. Can silt fencing be added to the scope, to be used on an as needed basis?

EMI Response: Yes, silt fence has been added to the bid form with an assumed quantity of 500 linear feet (LF) in connection with the felling and removal of trees. The final quantity of silt fence may be more or less than 500-LF. Any deviation from the bid quantity of silt fence will be added to or deducted from the contract price through a change order at the unit cost per linear foot.

Plans

- Plan sheets G2 and C1 have been revised. See attached revised plan sheets. (revisions are shown with revision clouds)

Specifications

- Section C-410, Bid Form

Add in its entirety bid item M1.3, 500 linear feet of silt fence.

- Section 01025, Measurement and Payment

Remove in its entirety paragraph 3.07 (shown in italics below).

3.07 EQUIPMENT AND SPECIALTY ITEMS

- A. *CONTRACTOR shall list lump sum and unit prices for the major items of work listed in the bid schedule. Prices shall include all costs for equipment and labor for installing the equipment and all miscellaneous hardware, fittings, connections, etc. required. The prices shall include delivery, all taxes and royalties applicable, where specified, for the specialty items. The Owner and Engineer must approve of additional planting prior to the completion of any work the Contractor feels is eligible. Contractor will not be paid for additional planting without prior approval from the Owner and Engineer.*

1. *P1-P5*

2. *M1.1-M2*

Add in their entirety paragraphs 3.07, 3.08, and 3.09 (shown in italics below).

3.07 LUMP SUM REFORESTATION, SUPPLEMENTAL PLANTING, AND INVASIVE SPECIES REMOVAL WORK ITEMS

- A. *CONTRACTOR shall list the lump sum price for the major items of work listed in the bid schedule. Prices shall include all cost for removal and disposal of invasive species from project site. Prices shall include all costs for equipment, labor, materials, and all incidentals to perform the work. The prices shall include delivery, all taxes and royalties applicable, for the lump sum items.*

1. *P1-P3*

2. M2

3.08 UNIT PRICE ADDITIONAL PLANTING WORK ITEMS

A. *CONTRACTOR shall list unit prices for the additional planting items of work listed in the bid schedule. Prices shall include all costs for equipment, labor, materials, and all incidentals to perform the work. The prices shall include delivery, all taxes and royalties applicable, where specified, for the unit price items. The Owner and Engineer must approve of additional planting prior to the completion of any work the Contractor feels is eligible. **Contractor will not be paid for additional planting without prior approval from the Owner and Engineer.***

1. P4 – unit price per tree planted (bare root stock)

2. P5 – unit price per tree planted (1-gallon containerized stock)

3.09 UNIT PRICE SELECT CUTTING WORK ITEMS

A. *CONTRACTOR shall list unit prices for the select cutting items of work listed in the bid schedule. Prices shall include all costs for equipment, labor, materials, and all incidentals to perform the work. Prices shall include all cost for removal and disposal of select cut trees from project site. Prices shall include all cost for erosion control to do the work. The prices shall include all taxes and royalties applicable, for the unit price items. The Owner and Engineer must approve of trees to be select cut prior to the completion of any work the Contractor feels is eligible. **Contractor will not be paid for select cutting without prior approval from the Owner and Engineer.***

1. M1.1 – unit price per tree select cut (20” to 25” diameter at breast height)

2. M1.2 – unit price per tree select cut (15” to 19.9” diameter at breast height)

3. M1.3 – unit price per linear foot of silt fence installed

END OF ADDENDUM NO. 1

Z:\PROJECTS\24\24022 Helen Las Vegetation Plan\Bid Phase\BP8-Addendum No. 1\24022 Addendum No 1 20251202.doc

REPRESENTING

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page or a sheet of stationery.

LAND APPLICATION SYSTEM
2026 SPRAY FIELD VEGETATION IMPROVEMENTS
FOR THE
CITY OF HELEN
WHITE COUNTY, GEORGIA

OCTOBER 2025

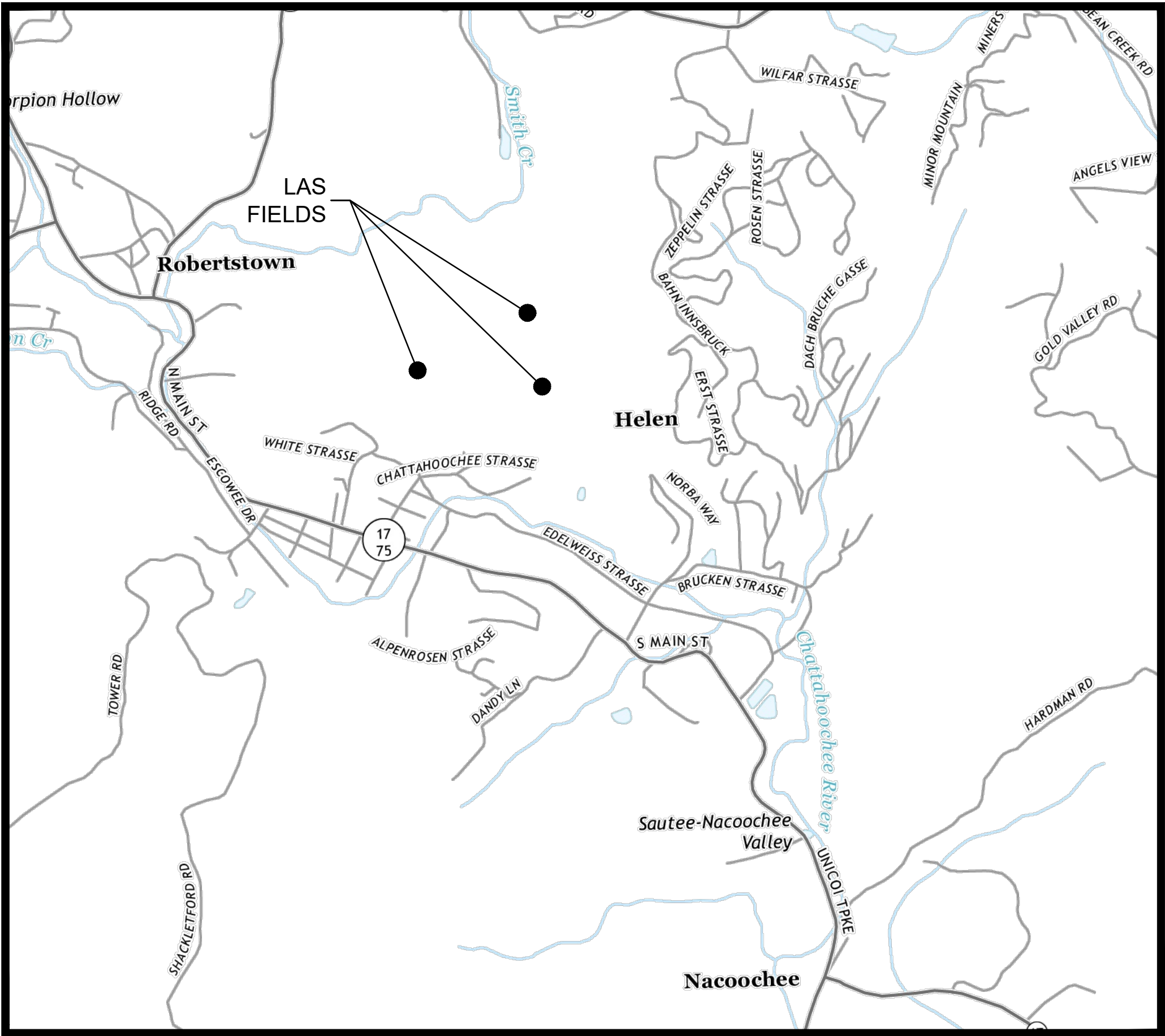
MAYOR _____
CLIFF HOOD

BOARD OF COMMISSIONERS _____
STEVE FOWLER
MERVIN BARBREE
LEE LANDRESS
HELEN WILKINS

CITY MANAGER _____
DARRELL WESTMORELAND

PUBLIC WORKS DIRECTOR _____
JACK MORGAN

OWNER:
CITY OF HELEN
CITY HALL
25 ALPENROSEN STRASSE,
HELEN, GA 30545
PHONE (706) 878-2733



PROJECT MAP
N.T.S.



SHEET INDEX	
SHEET NO.	DESCRIPTION
G1	COVER SHEET
G2	GENERAL NOTES & LEGEND
C1	LAS VEGETATIVE MANAGEMENT PLAN

DATE	NO.	DESCRIPTION
10/31/25	A	RELEASE FOR BID
12/02/25	B	ADDENDUM NO. 1



G1

STAMP

SHEET NO.

PATH & FILE: Z:\PROJECTS\2424022 Helen Las Vegetation Plan\Design Stage\24022 Base - 2026 Spray Field Vegetation Improvements.dwg

EMI ENGINEERING
MANAGEMENT
Experience ■ Trust ■ Solutions
Civil and Environmental Engineers
303 Swanson Drive, Lawrenceville, GA 30043
phone 770-962-1387 fax # 770-962-8010
www.eminc.biz

PROJECT CONTACT: WILEY HELM, P.E.

GENERAL NOTES:

1. LOCATION OF LOT LINES, PROPERTY LINES, RIGHT-OF-WAY LINES, AND OTHER LAND DIVISION REFERENCES WERE OBTAINED FROM RECORDED DATA, HABERSHAM COUNTY TAX MAPS, AND LAND USE OBSERVATIONS. THE LAND DIVISIONS WERE NOT FIELD CHECKED. THEREFORE, THEY MUST ONLY BE CONSIDERED TO APPROXIMATELY REPRESENT THE ACTUAL LAND DIVISIONS, PROPERTY AND/OR EASEMENTS.
2. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF WORK. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY LOCATION SERVICE AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK.
3. CONTRACTOR TO NOTIFY THE UTILITY PROTECTION AGENCY 72 HOURS PRIOR TO START OF WORK. PHONE 811.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADJUSTMENT OR RELOCATION OF ALL EXISTING UTILITIES, WITH THE EXCEPTION OF POWER AND TELEPHONE. ALL COSTS AND/OR FEES RESULTING FROM UTILITY ADJUSTMENT OR RELOCATION SHALL BE PAID FOR BY THE CONTRACTOR.
5. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO EXCAVATION OR DEMOLITION. ADDITIONAL UTILITIES MAY NOT BE SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN.
6. IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, HAVE REPLACED OR REPAIRED THE UTILITIES TO THEIR ORIGINAL OR BETTER CONDITION AND QUALITY, AS APPROVED BY THE OWNER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONTACTING ALL AFFECTED UTILITIES PRIOR TO SUBMITTING HIS BID IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATION'S AND/OR ADJUSTMENT WILL AFFECT THE SCHEDULING OF WORK FOR THE PROJECT. SOME UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS, WHILE SOME WORK MAY BE REQUIRED "AROUND" UTILITY FACILITIES THAT WILL REMAIN IN PLACE. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR WILL RECEIVE NO ADDITIONAL COMPENSATION FOR ANY DELAYS OR INCONVENIENCE CAUSED BY THE UTILITY ADJUSTMENTS.
7. CONTRACTOR SHALL MEET ALL LOCAL UTILITY COMPANY REGULATIONS IN ANY READJUSTMENT OR RELOCATION OF EXISTING SERVICES.
8. A MINIMUM HORIZONTAL SEPARATION OF 10' SHALL BE MAINTAINED BETWEEN WATER LINES AND SANITARY SEWER LINES UNLESS OTHERWISE SHOWN. AN 18" MINIMUM VERTICAL SEPARATION SHALL BE MAINTAINED AT CROSSINGS OF WATER AND SEWER LINES. WHEN CROSSING A WATER LINE OR SEWER LINE, PIPE JOINTS SHALL BE PLACED AS FAR AWAY AS POSSIBLE FROM THE OTHER PIPE.
9. ALL CONSTRUCTION STAKING SHALL BE BY THE CONTRACTOR AT HIS EXPENSE.
10. WHEN CONSTRUCTION INVOLVES THE REMOVAL OF FENCE, POLES, SIDEWALKS, DRIVE, TEMPORARY OR FIXED STRUCTURES, THE CONTRACTOR AT HIS EXPENSE SHALL PROVIDE FOR TEMPORARY SERVICE OR CONTAINMENT TO THE AFFECTED PROPERTY, AND SHALL REPLACE SUCH ITEMS WITH SIMILAR OR BETTER MATERIALS AS SOON AS PRACTICAL OR AS DIRECTED BY THE OWNER FOLLOWING UTILITY INSTALLATION.
11. THE CONTRACTOR SHALL RESTORE OR HAVE RESTORED, AT HIS EXPENSE, ALL EXISTING FACILITIES WHICH HAVE BEEN DAMAGED DUE TO HIS CONSTRUCTION ACTIVITIES, TO THE ORIGINAL OR BETTER CONDITION. THE CONTRACTOR SHALL UTILIZE THE SAME MATERIAL COMPOSITION AS EXISTING TO REPLACE THE EXISTING FACILITIES UNLESS APPROVED OTHERWISE BY THE OWNER.
12. SEE SHEETS EC1-EC8 FOR SOIL EROSION AND SEDIMENT CONTROL INFORMATION.
13. PEDESTRIAN AND LOCAL VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SAFETY DEVICES AND FLAGMEN SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE. WRITTEN PERMISSION TO CLOSE THE CONSTRUCTION AREA TO TRAFFIC MUST BE OBTAINED FROM THE APPROPRIATE GOVERNMENT AGENCY PRIOR TO THE CLOSING. ALL LOCAL EMERGENCY SERVICES SHALL BE NOTIFIED IN WRITING A MINIMUM 72 HOURS PRIOR TO ROAD CLOSINGS.
14. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY TRAFFIC CONTROL MEASURES TO ENSURE SAFETY AT ALL TIMES FOR EMPLOYEES, RESIDENTS, AND MOTORISTS. IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISION.
15. IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF PROPER SHORING OF TRENCHES IN ACCORDANCE WITH OCCUPATIONAL SAFETY LAWS. THE DUTIES OF THE PROJECT CIVIL ENGINEER DO NOT INCLUDE REVIEW OF THE ADEQUACY OR THE CONTRACTOR'S SAFETY IN, ON, OR NEAR THE CONSTRUCTION SITE.
16. SURVEY AND CONTOUR INFORMATION FOR THE WATER TREATMENT PLANT IS BY LAND DEVELOPMENT SURVEYORS. AUTOCAD FILE: 23107.dwg DATED 3/29/23.
17. CONTRACTOR IS RESPONSIBLE FOR REPLACING ALL PROPERTY PINS THAT ARE DISTURBED DURING CONSTRUCTION ACTIVITIES.
18. DISTURBED LANDSCAPE AREAS SUCH AS TREES, SHRUBS, GRASS LAWNS, ETC. SHALL BE RESTORED AND REPLACED WITH MATERIALS OF LIKE KIND (I.E.: SOD LAWNS SHALL BE REPLACED WITH SOD OF SAME VARIETY AND QUALITY). THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING ANY EXISTING TREES, SHRUBS, GRASS LAWNS, OR OTHER EXISTING LANDSCAPE PLANT MATERIALS THAT ARE DAMAGED OR KILLED AS A RESULT OF CONSTRUCTION ACTIVITIES FOR ONE YEAR AFTER INSTALLATION OF WATERLINE. PLANT MATERIAL SHALL BE REPLACED WITH LIKE SIZE AND KIND OR PROPERTY OWNER SHALL BE APPROPRIATELY COMPENSATED. COMPENSATION WILL BE APPRAISED BY A QUALIFIED LANDSCAPE COMPANY.
19. THE WASTEWATER TREATMENT PLANT SHALL REMAIN IN SERVICE DURING CONSTRUCTION. OWNER MAY BE ABLE TO SUSPEND FLOWS FOR SHORT PERIODS OF TIME IF NEEDED. IF LONGER PERIODS OF SHUT DOWN OF VARIOUS COMPONENTS ARE NECESSARY CONTRACTOR MAY BE REQUIRED TO BYPASS THE FLOW FROM AREAS OF WORK. DETAILED PLANS AND COORDINATION FOR BYPASSING SHALL BE APPROVED BY ENGINEER AND OWNER.
20. THE CONTRACTOR SHALL MAINTAIN ACCESS ROADS INSIDE THE PLANT DURING CONSTRUCTION. EXCESS MUD SHALL BE REMOVED AND TEMPORARY G.A.B. OR SURGE STONE SHALL BE INSTALLED DURING CONSTRUCTION AT THE DISCRETION OF THE OWNER SO AS TO PERMIT CLEAN, SAFE ACCESS TO THE PLANT COMPONENTS AT ALL TIMES.
21. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND SECURE AN APPROPRIATE STAGING AREA (OR AREAS) FOR THE DURATION OF THE PROJECT. THE STAGING AREA (OR AREAS) SHALL PROVIDE A SECURE LOCATION WHERE THE CONTRACTOR CAN STORE MATERIALS DURING THE CONSTRUCTION OF THE PROJECT. PUBLIC ROAD RIGHT-OF-WAYS CANNOT BE USED AS STAGING AREAS. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR SECURITY OF THE STAGING AREA (OR AREAS). THE OWNER WILL NOT BE RESPONSIBLE FOR ANY THEFT OR OTHER LOSS OF MATERIALS OR EQUIPMENT FROM THE JOB SITE OR FROM A STAGING AREA. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE STAGING AREA. NO SEPARATE PAYMENTS WILL BE MADE TO THE CONTRACTOR FOR THE STAGING AREA.
22. CONTRACTOR SHALL PROVIDE THE SERVICES OF A GEOTECHNICAL ENGINEER FOR ALL COMPACTION AND MATERIALS TESTING FOR THE PROJECT

ABBREVIATION		ABBREVIATION	
AFF, A.F.F.	ABOVE FINISHED FLOOR	INV	INVERT
AL	ALUMINUM	I.E., IE	INVERT ELEVATION
ARV	AIR RELEASE VALVE	IPF	IRON PIN FOUND
BLDG	BUILDING	JB	JUNCTION BOX
BM	BENCHMARK	JT	JOINT
BTM	BOTTOM	LAS	LAND APPLICATION SYSTEM
B/W	BARBED WIRE	LF, L.F.	LINEAR FOOT
C&G	CURB AND GUTTER	MAX	MAXIMUM
CB	CATCH BASIN	MFG, MFR	MANUFACTURER
CF, C.F.	CUBIC FEET	MH	MANHOLE
CL	CENTER LINE	MIN	MINIMUM
CLMN	COLUMN	MJ	MECHANICAL JOINT
CLVT	CULVERT	N.A., N/A	NOT APPLICABLE
CMP	CORRUGATED METAL PIPE	N.I.C.	NOT IN THIS CONTRACT
CO, C/O	CLEANOUT	N/F	NOW OR FORMERLY
CONC	CONCRETE	N.T.S.	NOT TO SCALE
CONSTR	CONSTRUCTION	OPNG	OPENING
CONT, CONT'D	CONTINUED	PERM	PERMANENT
CY, C.Y.	CUBIC YARD	P/JF	PRE MOLDED JOINT FILLER
DBH	DIAMETER AT BREAST HEIGHT	P/L	PROPERTY LINE
D.E.	DRAINAGE EASEMENT	PP	POWER POLE
DEPT	DEPARTMENT	PVC	POLYVINYLCHLORIDE PIPE
DI	DROP INLET	PVMT	PAVEMENT
DIAG	DIAGONAL	RCP	REINFORCED CONCRETE PIPE
D.I., D.I.P.	DUCTILE IRON PIPE	REINF	REINFORCE, REINFORCING
D/W	DRIVEWAY	REQD	REQUIRED
EL, ELEV	ELEVATION	R/W, R.O.W.	RIGHT OF WAY
EOP	EDGE OF PAVEMENT	SAN	SANITARY
ER	EDGE OF ROAD	SERV	SERVICE
ESMT	EASEMENT	SHIT	SHEET
EX, EXIST	EXISTING	SPC	SPACING
EQ, EQL	EQUAL	SSE	SANITARY SEWER EASEMENT
FAB	FABRICATED	SS, SST	STAINLESS STEEL
FES	FLARED END SECTION	STA	STATION
FFE, F.F.E.	FINISHED FLOOR ELEVATION	STRC	STRUCTURE
FH	FIRE HYDRANT	S/W	SIDEWALK
FIN	FINISHED	T.O.	TOP OF
FM	FORCEMAIN	TBM	TEMPORARY BENCHMARK
FUT	FUTURE	TEMP	TEMPORARY
GDOT	GEORGIA DEPARTMENT OF TRANSPORTATION	UP	UTILITY POLE
GMD	GEORGIA MILITIA DISTRICT	UTIL	UTILITY
GV	GAS VALVE	VERT	VERTICAL
GW	GUY WIRE	WWM	WELDED WIRE MESH
HC	HANDICAPPED	VCP	VITRIFIED CLAY PIPE
HDPE	HIGH DENSITY POLYETHYLENE	WL	WATER LINE
HDWL	HEADWALL	WM	WATER METER
HORIZ	HORIZONTAL	WS	WATER STOP
LP	LIGHT POLE	WV	WATER VALVE

OBSTRUCTIONS ENCOUNTERED:

IN ADDITION TO SHOWING THE STRUCTURES TO BE BUILT FOR THIS PROJECT, THE DRAWINGS SHOW CERTAIN INFORMATION OBTAINED BY THE ENGINEER REGARDING THE PIPES, POLE LINES, CONDUITS AND OTHER STRUCTURES WHICH EXIST ALONG THE LINE OF THE WORK, BOTH AT AND BELOW THE SURFACE OF THE GROUND. THE ENGINEER AND THE OWNER EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION GIVEN ON THE DRAWINGS WITH REGARD TO EXISTING STRUCTURES, AND THE CONTRACTOR WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION ON ACCOUNT OF INACCURACY OR INCOMPLETENESS OF SUCH INFORMATION. SAID STRUCTURES BEING INDICATED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR, WHO MUST VERIFY THE INFORMATION TO HIS OWN SATISFACTION. THE GIVING OF THIS INFORMATION UPON THE CONTRACT DRAWINGS WILL NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO SUPPORT AND PROTECT ALL PIPES, CONDUITS, AND OTHER STRUCTURES WHICH MAY BE ENCOUNTERED DURING THE CONSTRUCTION OF WORK, AND TO MAKE GOOD ALL DAMAGES DONE TO SUCH PIPES, CONDUITS, AND OTHER STRUCTURES, AS PROVIDED IN THESE SPECIFICATIONS. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND OBSTRUCTIONS PRIOR TO EXCAVATION SO AS TO PREVENT DAMAGE TO THOSE SERVICES OR OTHER UTILITIES. ANY SUCH DAMAGES MUST BE REPAIRED WITHOUT DELAY AND THE COST OF SUCH REPAIRS SHALL BE PAID FOR BY THE CONTRACTOR.

VEGETATIVE MAINTENANCE NOTES:

1. CONTRACTOR TO INCLUDE FOLLOWING ITEMS IN THE SCOPE OF WORK:
M1 - SELECT CUTTING TREES
M2 - INVASIVE SPECIES REMOVAL - PRIVET AND KUDZU
2. SELECT CUTTING SHALL INCLUDE THE FELLING AND REMOVAL FROM SITE OF SELECT TREES THROUGHOUT THE ADEQUATELY FORESTED AREAS OF THE LAND APPLICATION SYSTEM (AREAS NOT REQUIRING REFORESTATION NOR SUPPLEMENTAL PLANTING). THE CONTRACTOR SHALL NOT CUT MORE THAN 10 TREES PER ACRE. THE CONTRACTOR SHALL REPLANT EACH CUT TREE WITH ONE CONTAINERIZED ROOT STOCK FROM TABLE NO 1.
3. SPECIAL CARE MUST BE TAKEN FOR TREES CUT NEAR ABOVE GROUND PIPING, SUCH THAT FELLING THE TREE DOES NOT DAMAGE THE PIPING. IF NECESSARY, TEMPORARILY DISASSEMBLE PIPING TO FELL THE TREE TO AVOID ANY DAMAGE AND THEN REASSEMBLE THE PIPING ONCE THE TREE IS REMOVED. COORDINATE ANY PIPE DISASSEMBLY AND REASSEMBLY WITH THE OWNER AND ENGINEER.
4. STUMPS FROM FELLED TREES SHALL NOT BE TALLER THAN 24" FROM GRADE.
5. CONTRACTOR SHALL TAKE CARE TO MINIMIZE ANY GROUND DISTURBANCE FROM FELLING AND REMOVAL OF TREES. WHEN NECESSARY, THE CONTRACTOR SHALL USE SILT FENCE TO PROVIDE EROSION AND SEDIMENTATION CONTROL WHEN FELLING AND REMOVING TREES FROM SITE. NECESSITY OF SILT FENCE SHALL BE DETERMINED BY THE ENGINEER AND COMMUNICATED TO THE CONTRACTOR.
6. CONTRACTOR TO MARK AND ENGINEER TO APPROVE TREES AND SHRUBS SELECTED FOR CUTTING PRIOR TO CONTRACTOR PERFORMING THE MAINTENANCE WORK.
7. SELECT CUTTING SHALL ONLY OCCUR IN AREAS WHERE SLOPES ARE CONDUSIVE TO THE SAFE PERFORMANCE OF THE WORK.
8. ALL PRIVET AND KUDZU SHALL BE REMOVED FROM THE LAND APPLICATION SYSTEM. SEE SPECIFICATION 02961 - INVASIVE SPECIES REMOVAL FOR APPROVED REMOVAL PROCEDURES.
9. INVASIVE SPECIES HAVE BEEN IDENTIFIED IN FIELDS 1, 2, AND 3. CONTRACTOR TO VERIFY LOCATION AND QUANTITY OF KUDZU AND PRIVET ACROSS THE LAND APPLICATION SYSTEM. INVASIVE SPECIES LOCATION AND QUANTITY SHALL BE VERIFIED OUTSIDE OF WINTER, WHEN THE SPECIES ARE MORE VISIBLE.

LEGEND

EXISTING		PROPOSED
—R/W—	ROAD RIGHT OF WAY	—R/W—
---P/L---	PROPERTY LINE	-----P/L-----
-----P/L-----	EDGE OF PAVEMENT	
739	CONTOUR (MINOR)	101
---740---	CONTOUR (MAJOR)	105
---RW---RW---	RAW WATER LINE	---RW---RW---
---W---	POTABLE WATER LINE	---W---W---
N/A	FILTERED WATER LINE	---FW---FW---
---PW---	PROCESS WASTE LINE	---PW---PW---
---BW---	BACKWASH LINE	N/A
---SS---	SANITARY SEWER LINE	N/A
⊙	MANHOLE	⊙
=====	TREATMENT PLANT WATER LINES (SIZE AND MATL AS NOTED ON PLANS)	=====
---UT---	UNDERGROUND TELEPHONE LINE	N/A
---UP---	UNDERGROUND POWER LINE	N/A
---P---P---P---	OVERHEAD POWER LINE	N/A
⦿	UTILITY POLE	N/A
←	UTILITY POLE GUY WIRE	N/A
☀	LIGHT POLE	N/A
-----	YARD PIPING (TYPE, SIZE, AND MATL AS NOTED ON PLANS)	-----
WM	WATER METER	N/A
⊠	LAS LINE W/SPRINKLER	N/A
WV	GATE VALVE	⊠
⦿	FIRE HYDRANT	N/A
⦿	YARD HYDRANT	⦿
=====	STORM CULVERT	=====
⊠	DROP INLET	⊠
N/A	CONCRETE HEADWALL	⊠
N/A	CONCRETE JUNCTION BOX	⊠
N/A	STORM CULVERT METAL END SECTION	⊠
---P/L---	C/L DRAINAGE DITCH	---P/L---
-----P/L-----	C/L EXISTING STREAM	N/A
N/A	RIPRAP	⦿
---G---	GAS LINE	---G---
⊠	BENCH MARK	N/A
N/A	CONTROL POINT	⦿
N/A	SPOT ELEVATION	FG: 679.02
N/A	TO BE REMOVED	*****

CONSTRUCTION DETAIL NO.

W15
D1

PLAN SHEET NO.



Know what's below.
Call before you dig.

UTILITY OWNER INFORMATION		
POWER:	GEORGIA POWER	PHONE: (404) 506-6539
	HABERSHAM EMC	PHONE: (706) 839-4127
LOCAL TELEPHONE/ TELECOMMUNICATIONS:	AT&T	PHONE: (770) 784-3972
	WINDSTREAM	PHONE: (800) 289-1901
	TRAILWAVE	PHONE: (800) 640-6812
WATER SYSTEM:	CITY OF HELEN	PHONE: (706) 778-6341
SANITARY SEWER:	CITY OF HELEN	PHONE: (706) 778-6341
GAS:	ATLANTA GAS LIGHT	PHONE: (470) 218-5996

© 1996
ENGINEERING MANAGEMENT, INC.
ALL RIGHTS RESERVED.
THESE CONSTRUCTION DOCUMENTS AND THESE SPECIFICATIONS ARE THE PROPERTY OF ENGINEERING MANAGEMENT, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF ENGINEERING MANAGEMENT, INC. THE USER AGREES TO HOLD ENGINEERING MANAGEMENT, INC. HARMLESS FROM AND AGAINST ALL SUCH REPRODUCTION AND TRANSMISSION.

DESCRIPTION		RELEASE FOR BID		ADDENDUM NO. 1	
DATE	NO.	A	B		
10/31/25					
12/02/25					

EMI ENGINEERING MANAGEMENT
Experience 17+ years
Civil and Environmental Engineers
303 Swanson Drive, Lawrenceville, GA 30043
phone 770-962-1387 fax 770-962-8010
www.eminc.biz

**LAND APPLICATION SYSTEM
2026 SPRAY FIELD VEGETATION
IMPROVEMENTS**
FOR THE
**CITY OF HELEN
WHITE COUNTY, GEORGIA**

GENERAL NOTES & LEGEND		SHEET TITLE		CHECKED BY	
DESIGN BY	RPM	DRAWN BY	PBH	W15	W15



STAMP

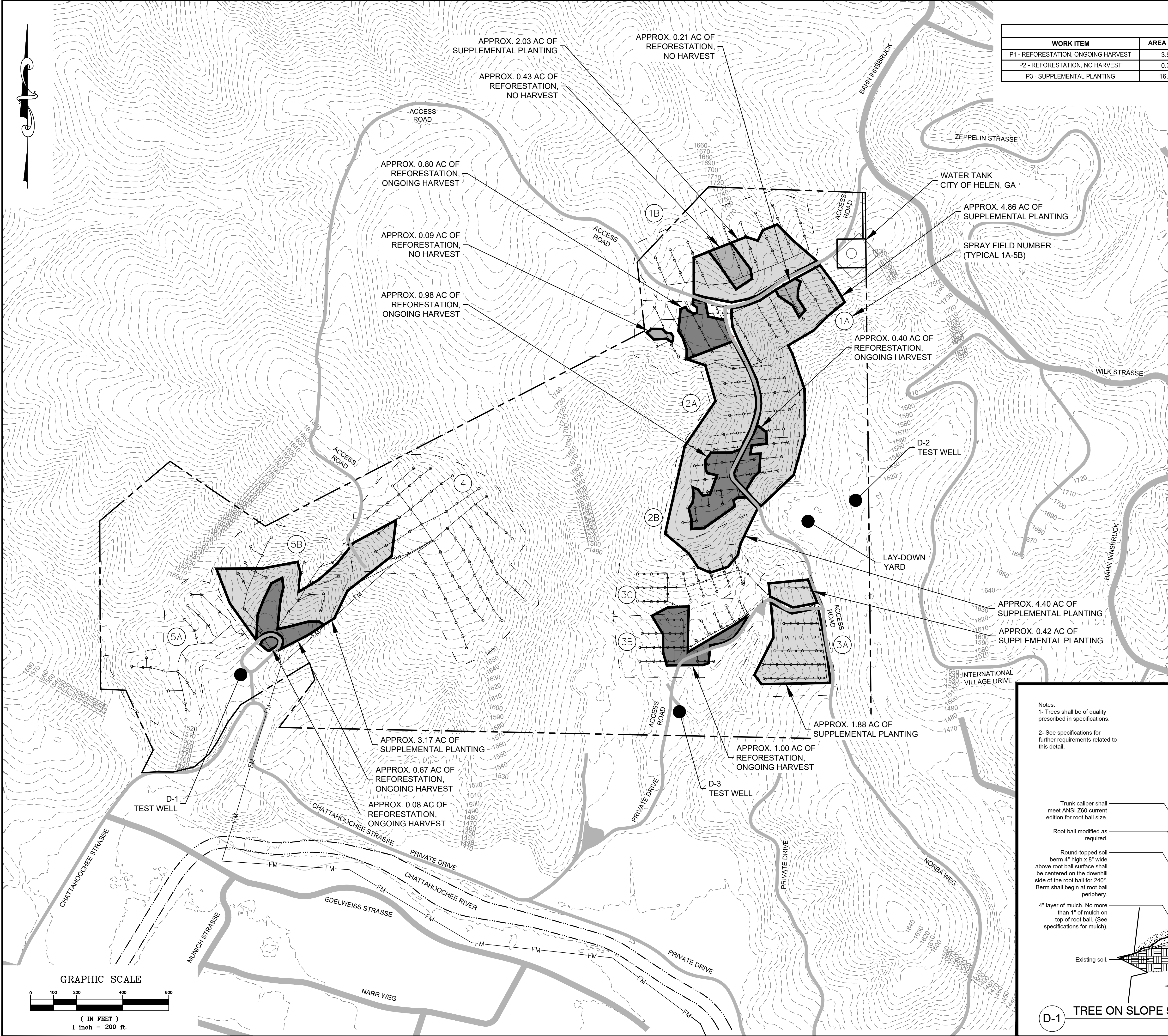
10/31/25	24022	z:\projects	FILE LOCATION
DATE	JOB NUMBER		

G2

SHEET

REVISION

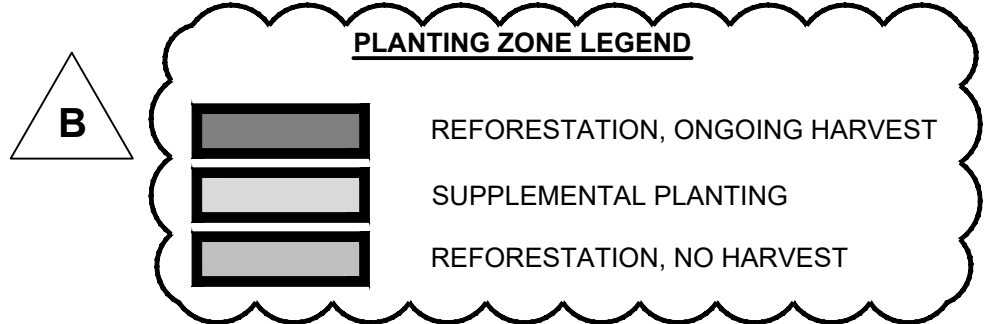
PATH & FILE: z:\PROJECTS\24\24022 Helen Las Vegetation Plan\Design Stage\24022 Base - 2026 Spray Field Vegetation Improvements



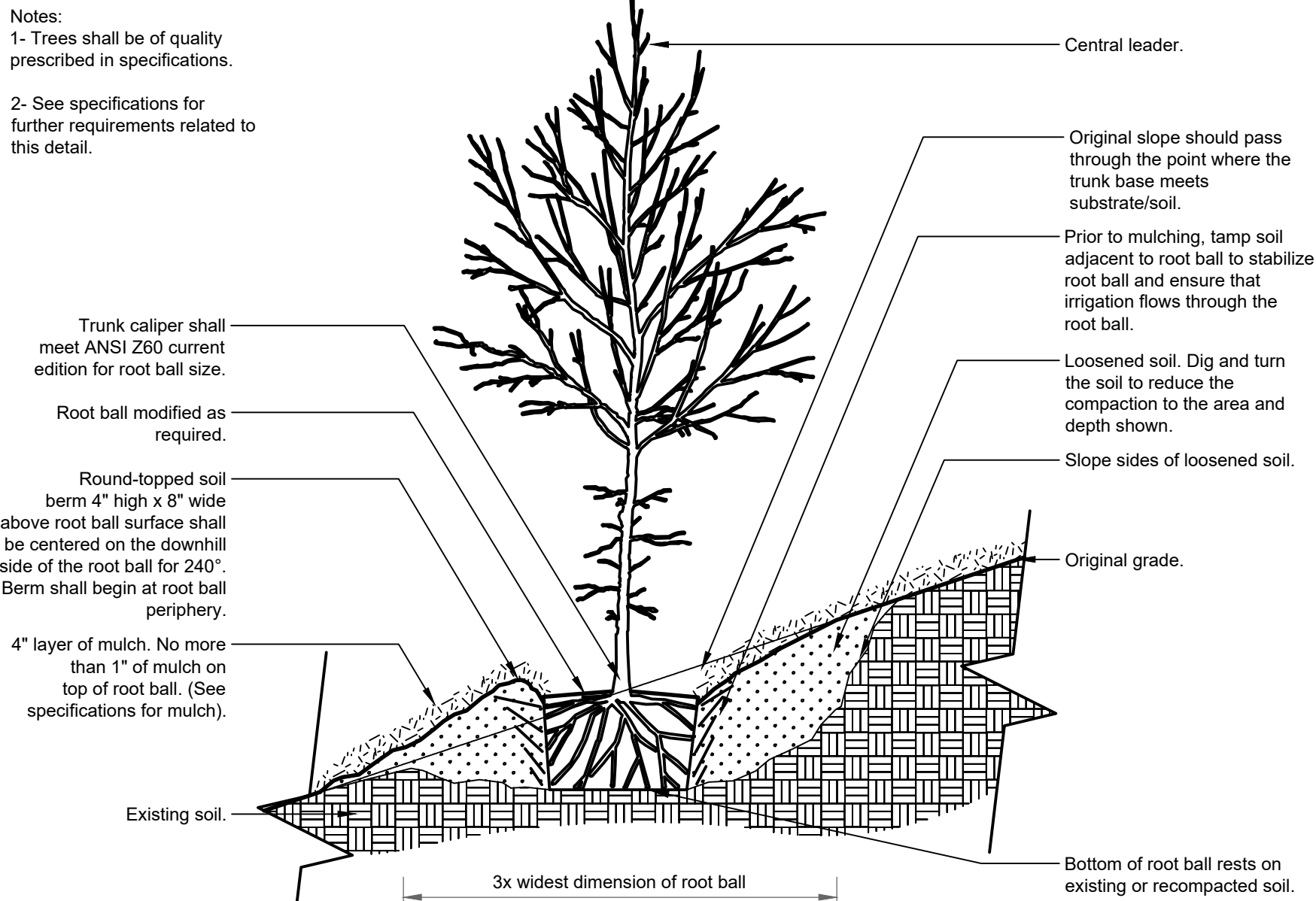
PLANTING ZONE					
WORK ITEM	AREA (AC.)	TREES PER ACRE	ROW SPACING	QUANTITY	STOCK
P1 - REFORESTATION, ONGOING HARVEST	3.9	290	15FT BY 10FT	1140	BAREROOT
P2 - REFORESTATION, NO HARVEST	0.7	303	12FT BY 12FT	210	1-GALLON
P3 - SUPPLEMENTAL PLANTING	16.8	109	20FT RADIUS	1830	BAREROOT

TABLE NO. 1 REFORESTATION, ONGOING HARVEST & SUPPLEMENTAL PLANTING	
SCIENTIFIC NAME	COMMON NAME
CEPHALANTHUS ACCIDENTALIS	BUTTONBUSH
SALIX SERICEA	SILKY WILLOW
SALIX NIGRA	BLACK WILLOW
SAMBUCUS CANADENSIS	ELDERBERRY
CORNUS AMOMUM	SILKY DOGWOOD
VIBURNUM DENTATUM	ARROWWOOD VIBURNUM
PHYSOCARPUS OPULIFOLIUS	ATLANTIC NINEBARK

TABLE NO. 2 REFORESTATION, NO HARVEST & SUPPLEMENTAL PLANTING	
SCIENTIFIC NAME	COMMON NAME
ACER FLORIDANUM	SOUTHERN SUGAR MAPLE
LIRIODENDRON TULIPIFERA	TULIP POPLAR
ACER RUNBRUM	RED MAPLE
LIQUIDAMBAR STYRACIFLUA	SWEETGUM
PINUS ECHINATA	SHORTLEAF PINE
PRUNUS SEROTINA	BLACK CHERRY
PLATANUS ACCIDENTALIS	SYCAMORE
QUERCUS NIGRA	WATER OAK



- CONSTRUCTION NOTES:**
- WORK TO TAKE PLACE ON AN ACTIVE LAND APPLICATION SYSTEM. ALL WORK SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE ANY IMPACT TO SPRAY SYSTEM OPERATION.
 - OWNER ROTATES SPRAY FIELD APPLICATION. CONTRACTOR NOT TO PERFORM WORK ON ANY FIELD BEING ACTIVELY SPRAYED.
 - CONTRACTOR TO COORDINATE WITH OWNER SUCH THAT NEW PLANTINGS ARE SPRAYED WITHIN 1-3 DAYS AFTER PLANTING.
 - CONTRACTOR TO PLANT AN EVEN MIX OF LISTED SPECIES, BARRING PRICING AND NURSERY AVAILABILITY.
 - NO SHRUBS TO BE PLANTED WITHIN 10 FEET OF ANY ABOVE GROUND PIPING.
 - NO TREES TO BE PLANTED WITH 20 FEET OF ANY ABOVE GROUND PIPING.
 - PLANTING ZONES ARE APPROXIMATE AND BOUNDARIES ARE TO BE FIELD MARKED BY EMI STAFF PRIOR TO CONSTRUCTION.
 - PLANTING SHALL FOLLOW PRESCRIBED DETAIL D-1.



ENGINEERING MANAGEMENT, INC.
1996
THESE CONSTRUCTION DOCUMENTS AND THESE RECONSTRUCTIONS IN WHOLE OR IN PART ARE THE PROPERTY OF ENGINEERING MANAGEMENT, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF ENGINEERING MANAGEMENT, INC. ANY REPRODUCTION OR TRANSMISSION WITHOUT THE WRITTEN PERMISSION OF ENGINEERING MANAGEMENT, INC. IS PROHIBITED.

DESCRIPTION	
RELEASE FOR BID	ADDENDUM NO. 1
DATE	NO.
10/31/25	A
12/02/25	B

EMI ENGINEERING MANAGEMENT
Civil and Environmental Engineers
303 Swanson Drive, Lawrenceville, GA 30043
phone 770-962-1387 fax 770-962-8010
www.eminc.biz

**LAND APPLICATION SYSTEM
2026 SPRAY FIELD VEGETATION
IMPROVEMENTS**
FOR THE
**CITY OF HELEN
WHITE COUNTY, GEORGIA**

**LAS VEGETATIVE
MANAGEMENT PLAN**
SHEET TITLE
DESIGN BY: **RPM** DRAWN BY: **PBH** CHECKED BY: **WSH**

STAMP
REGISTERED PROFESSIONAL ENGINEER
No. 12051041
10/31/2025
WILEY SPIRIT HELEN

10/31/25
DATE
24022
JOB NUMBER
z:\projects
FILE LOCATION

C1

REVISION

SHEET

BID FORM

**2026 Spray Field Vegetation Improvements
City of Helen, Georgia**

THIS BID IS SUBMITTED TO:

City of Helen
City Hall
25 Applenrosen Strasse
Helen, GA 30545

(Hereinafter called "Owner")

THIS BID IS SUBMITTED BY:

(Name)

(Address)

(Telephone)

(Hereinafter called "Bidder")

BIDDER, in compliance with the Advertisement for Bids for the construction of this project, having examined the Drawings and Specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies, and to construct the project in accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the price(s) stated below. This price(s) is to cover all expenses including overhead and profit incurred in performing the Work required under the CONTRACT DOCUMENTS, of which this proposal is a part.

**BID SCHEDULE
TITLE**

The Contractor is directed to Section 01025 “Measurement and Payment” for the methods and limits for payments to the Contractor for the pay items listed below.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Est. No. of Units</u>	<u>Unit Price Bid</u>	<u>Total for Item</u>
00001.00	Allowance for Unforeseen Issues to be Used at the OWNER’S discretion.	LS	1	<u>\$25,000.00</u>	<u>\$25,000.00</u> Dollars and Cents <u>Twenty-Five Thousand and 00/100</u> (Unit Price in Words)
00002.00	Mobilization – The total of Mobilization & De-Mobilization shall not to exceed 3% of the total bid price.	LS	1	<u> </u>	<u> </u> Dollars and Cents <u> </u> (Unit Price in Words)
00003.00	De-Mobilization – The total of Mobilization & De-Mobilization shall not to exceed 3% of the total bid price.	LS	1	<u> </u>	<u> </u> Dollars and Cents <u> </u> (Unit Price in Words)
00520.00	Performance Bond – The total of bods and Insurance shall not exceed 2% of the total bid price.	LS	1	<u> </u>	<u> </u> Dollars and Cents <u> </u> (Unit Price in Words)
00530.00	Labor & Material Payment Bond – The total of bods and Insurance shall not exceed 2% of the total bid price.	LS	1	<u> </u>	<u> </u> Dollars and Cents <u> </u> (Unit Price in Words)
00700.00	Insurance – The total of bods and Insurance shall not exceed 2% of the total bid price.	LS	1	<u> </u>	<u> </u> Dollars and Cents <u> </u> (Unit Price in Words)

**BID SCHEDULE
TITLE**

The Contractor is directed to Section 01025 “Measurement and Payment” for the methods and limits for payments to the Contractor for the pay items listed below.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Est. No. of Units</u>	<u>Unit Price Bid</u>	<u>Total for Item</u>
P1	Reforestation (Bare Root Stock)	LS	1	_____ Dollars and Cents _____ (Unit Price in Words)	
P2	Reforestation, No Harvest (1-Gallon Containerized Stock)	LS	1	_____ Dollars and Cents _____ (Unit Price in Words)	
P3	Supplemental Planting (Bare Root Stock)	LS	1	_____ Dollars and Cents _____ (Unit Price in Words)	
P4	Additional Planting at Owners Request (Bare Root Stock)	EA	100 (trees)	_____ Dollars and Cents _____ (Unit Price in Words)	
P5	Additional Planting at Owners Request (1-Gallon Containerized Stock)	EA	10 (trees)	_____ Dollars and Cents _____ (Unit Price in Words)	

**BID SCHEDULE
TITLE**

The Contractor is directed to Section 01025 "Measurement and Payment" for the methods and limits for payments to the Contractor for the pay items listed below.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Est. No. of Units</u>	<u>Unit Price Bid</u>	<u>Total for Item</u>
M1.1	Select Cutting – 20 to 25" DBH	EA	175 (trees)	_____ Dollars and Cents _____ (Unit Price in Words)	_____
M1.2	Select Cutting – 15-19.9" DBH	EA	175 (trees)	_____ Dollars and Cents _____ (Unit Price in Words)	_____
M1.3	Silt Fence	LF	500	_____ Dollars and Cents _____ (Unit Price in Words)	_____
M2	Invasive Species Removal - Privet and Kudzu	LS	1	_____ Dollars and Cents _____ (Unit Price in Words)	_____

**BID SCHEDULE
TITLE**

The Contractor is directed to Section 01025 “Measurement and Payment” for the methods and limits for payments to the Contractor for the pay items listed below.

Total Amount Base Bid: \$ _____

(Price in Words) _____

NOTE: Amounts shall be shown in words and figures; the amount written in words shall take precedence.

BIDDER hereby agrees to commence work under this contract on or before a date to be specified in a written "Notice to Proceed" from the OWNER and to fully complete WORK within a total construction time of _____(____) consecutive calendar days of the date specified in this "Notice to Proceed".

BIDDER acknowledges receipt of the following addenda:

Addendum No.	Date Received

BIDDER agrees to perform all of the construction of the project complete with appurtenances and accessory work described in the Specifications and shown on the Drawings for the above scheduled price(s).

The above scheduled price(s) shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.

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

BIDDER agrees that his bid shall be good and may not be withdrawn for a period of _____(____) calendar days after the scheduled closing time for receiving bids.

Respectfully Submitted:

Name: _____

Address: _____

Phone No.: _____

Fax No.: _____

Email Address.: _____

FEDERAL TAX NO. OR
SOCIAL SECURITY NO.: _____

Telephone: _____

(Please type)

(Bid Form) 00300-7

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. This Section describes the methods by which measurement will be made of the quantities for which payment will be made for the PROJECT.
- B. The project is to be bid as one (1) contract:

1.02 MEASUREMENT OF WORK

- A. WORK shall be measured by the ENGINEER or his representative, with assistance from the CONTRACTOR prior to preparation of a payment request by the CONTRACTOR.
- B. Unit quantities that are measured in place shall be measured monthly. The CONTRACTOR shall give the ENGINEER a minimum of two days notice for making all required measurements.
- C. Materials that must be measured as delivered shall be measured at the time of delivery by the ENGINEER or his representative; the CONTRACTOR shall provide sufficient advance notice so that such measurements can be made.
- D. WORK completed shall be measured for completion against the schedule of values provided by the CONTRACTOR in accordance with the General Conditions. Related work necessary for a complete and operational job, such as relocation of mail boxes removal of trees, relocation of utilities, field engineering, clearing and grubbing, traffic control, etc., not specifically identified as a pay item shall be included in the unit price bid. No additional payments will be made for such activities.

1.03 PROGRESS PAYMENTS

- A. Progress payments shall be based on the quantity of units installed.
- B. All items of WORK not specifically listed in the Bid Schedule shall be considered incidental to the construction, and the cost of all such work and material shall be included in the prices bid for various items listed.
- C. All items listed for measurement and payment shall include all machinery, plant, materials and labor, etc., to successfully and satisfactorily complete WORK specified.
- D. Payment: The CONTRACTOR will receive payment only for the items listed in the Bid Schedule of his contract, and no separate payments will be made for the work under any section of the CONTRACT DOCUMENTS except as provided for in the Bid Form. Where measurements are required to be made by the ENGINEER, for the payment of a pay item, the failure of the CONTRACTOR to give the adequate notification or failure of the CONTRACTOR to give the ENGINEER assistance for the measurement shall result in the forfeiture of payment for the work or item which was not measured.

ure of payment for the work or item which was not measured.
re of payment for the work or item which was not measured.

- E. WORK to be paid for as a "Lump Sum" shall be measured for completion against the "Schedule of Values" provided by the CONTRACTOR. The "Schedule of Values" shall be submitted at the preconstruction conference and shall include quantities and prices of items aggregating the total "Lump Sum" and will subdivide the work into component parts in sufficient detail to serve as the basis for progress payments during construction.

PART 2 PRODUCTS

2.01 STORED MATERIALS

Partial payment shall be made for approved materials stored at the project site, provided invoices for said materials are furnished in accordance with payment request submittal.

PART 3 EXECUTION

CONTRACT NO. 1

3.01 ALLOWANCE FOR UNFORESEEN ISSUES TO BE USED AT THE DISCRETION OF THE OWNER

This line item refers to the additional costs for labor and/or materials necessary to address unforeseen issues during construction which are out of the scope of work and not included in any other measurement and payment item or included in any specification section for any item. The Owner and Engineer must approve use of this allowance prior to the completion of any work the Contractor feels is eligible. **Contractor will not be paid under this allowance without prior approval from the Owner and Engineer.**

3.02 MOBILIZATION AND SET-UP

Payment for this item shall be lump sum and shall include all labor, equipment and materials required to mobilize and set-up or install all necessary equipment to the site for the purpose of the project.

3.03 DE-MOBILIZATION

Payment for this item shall be lump sum and shall include all labor, equipment and materials required to disassemble as necessary, all equipment for the purpose of re-moving all equipment and materials from the site.

3.04 PERFORMANCE BOND (Section 00520)

This bid item shall be paid lump sum and shall cover all costs to provide and execute the performance bond as required in Section 00520 of the Contract Documents. The total of bonds and insurance shall not exceed 2% of the total bid price.

3.05 LABOR & MATERIAL PAYMENT BOND (Section 00530)

This bid item shall be paid lump sum and shall cover all costs to provide and execute labor & material bond as required in Section 00530 of the Contract Documents. The total of bonds and insurance shall not exceed 2% of the total bid price.

3.06 INSURANCE (Section 00700 & Section 800)

This bid item shall be paid lump sum and shall cover all costs to provide for all insurance as required by the Contract Documents. The total of bonds and insurance shall not exceed 2% of the total bid price.

3.07 LUMP SUM REFORESTATION, SUPPLEMENTAL PLANTING, AND INVASIVE SPECIES REMOVAL WORK ITEMS

A. CONTRACTOR shall list the lump sum price for the major items of work listed in the bid schedule. Prices shall include all cost for removal and disposal of invasive species from project site. Prices shall include all costs for equipment, labor, materials, and all incidentals to perform the work. The prices shall include delivery, all taxes and royalties applicable, for the lump sum items.

1. P1-P3

2. M2

3.08 UNIT PRICE ADDITIONAL PLANTING WORK ITEMS

A. CONTRACTOR shall list unit prices for the additional planting items of work listed in the bid schedule. Prices shall include all costs for equipment, labor, materials, and all incidentals to perform the work. The prices shall include delivery, all taxes and royalties applicable, where specified, for the unit price items. The Owner and Engineer must approve of additional planting prior to the completion of any work the Contractor feels is eligible. **Contractor will not be paid for additional planting without prior approval from the Owner and Engineer.**

1. P4 – unit price per tree planted (bare root stock)

2. P5 – unit price per tree planted (1-gallon containerized stock)

3.09 UNIT PRICE SELECT CUTTING WORK ITEMS

A. CONTRACTOR shall list unit prices for the select cutting items of work listed in the bid schedule. Prices shall include all costs for equipment, labor, materials, and all incidentals to perform the work. Prices shall include all cost for removal and disposal of select cut trees from project site. Prices shall include all cost for erosion control to do the work. The prices shall include all taxes and royalties applicable, for the unit price items. The Owner and Engineer must approve of trees to be select cut prior to the completion of any work the Contractor feels is eligible. **Contractor will not be paid for select cutting without prior approval from the Owner and Engineer.**

1. M1.1 – unit price per tree select cut (20” to 25” diameter at breast height)

2. M1.2 – unit price per tree select cut (15” to 19.9” diameter at breast height)
3. M1.3 – unit price per linear foot of silt fence installed

END OF CONTRACT NO. 1 - MEASUREMENT AND PAYMENT

END OF SECTION