

EXHIBIT A:

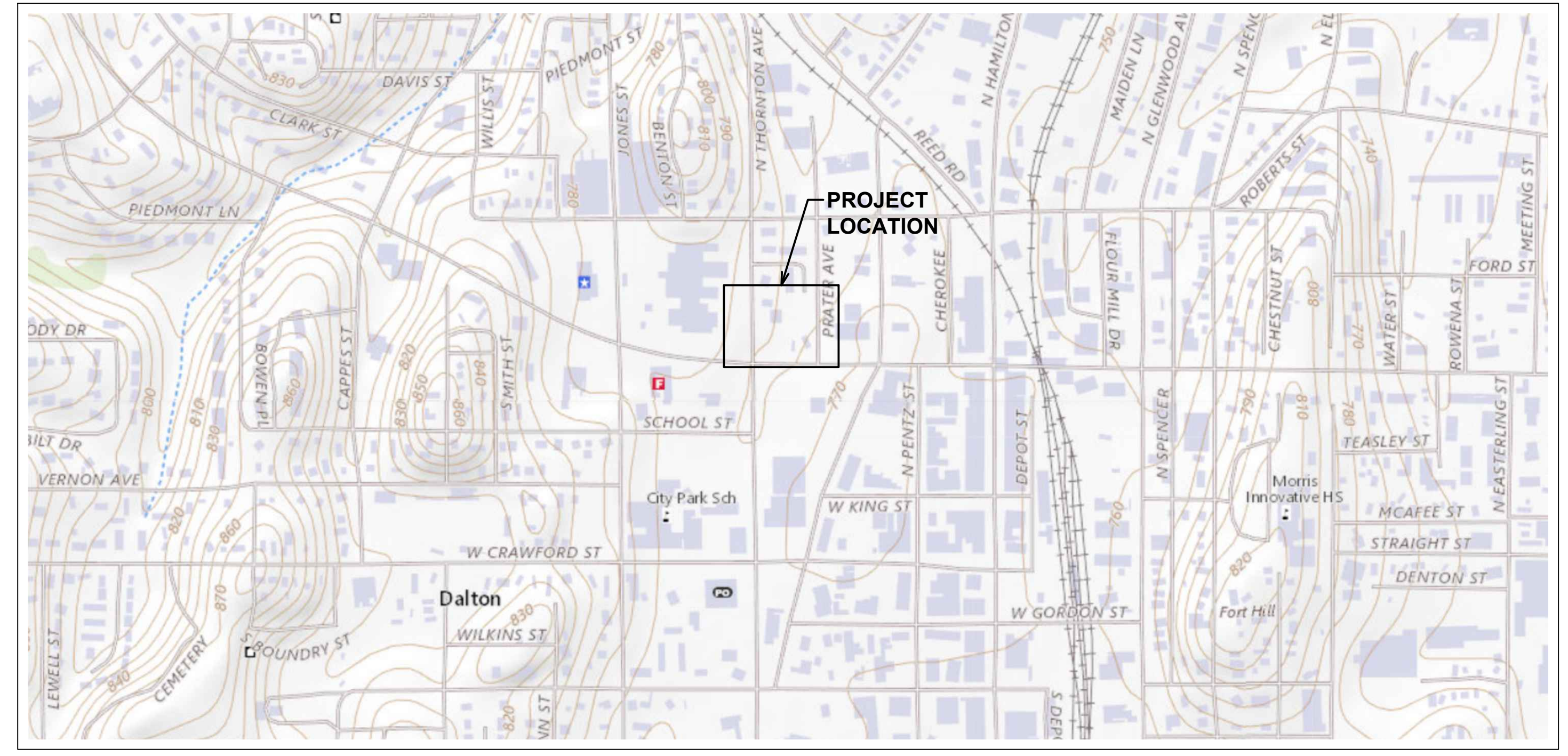
*ARCADIS U.S., INC. SITE
DEVELOPMENT PLANS*

DATED DECEMBER 2023

FOR

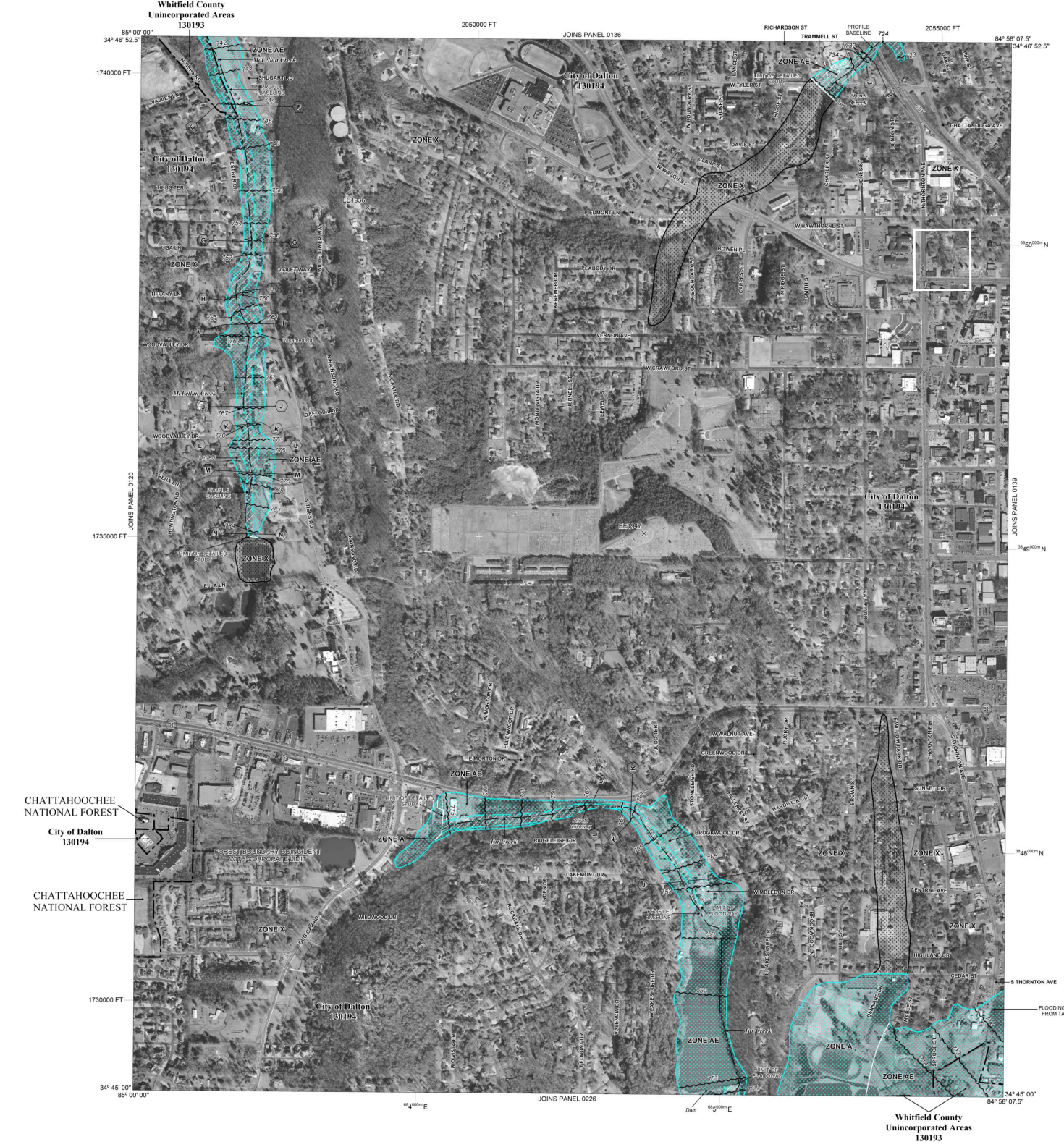
*PRATER ALLEY STORMWATER
DETENTION PROJECT*

CITY OF DALTON, GEORGIA PRATER ALLEY ABOVEGROUND OPTION



LOCATION MAP
1" = 500'

FEMA MAP NUMBER: 13313C0138D



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DECEMBER 2023

ISSUED FOR CONSTRUCTION



PROJECT ENGINEER: RICHARD GREUEL, PE
 GEORGIA REGISTRATION NO: 28402
 PHONE: 770-384-6574

LEGAL ENTITY: ARCADIS-U.S., INC.



2839 PACES FERRY ROAD, SUITE 400, ATLANTA, GA 30339-3769
 TEL: 770.431.8666 FAX: 770.435.2666
 www.ARCADIS.com



Know what's below.
Call before you dig.

GENERAL NOTES

1. THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR, AND PROPERLY RESTORE ALL PAVEMENT, DRIVES, SIDEWALK, AND CURBS, WHICH MAY HAVE BEEN DAMAGED, REMOVED OR DISTURBED AS RESULT OF ACCOMPLISHING THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING GRADES AND DIMENSIONS AND NOTIFYING THE ENGINEER IN ADVANCE AND IN WRITING OF ANY DISCREPANCIES PRIOR TO PERFORMING ANY WORK.
3. EXISTING UTILITY LOCATIONS SHOWN ARE BASED ON SURFACE OBSERVATION AND LIMITED DETECTION SERVICES. NOT ALL EXISTING UTILITIES ARE SHOWN ON THE DRAWING. CONTRACTOR IS RESPONSIBLE FOR DETERMINING BOTH THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FOR DETERMINING THEIR PROTECTION DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL OPERATIONS WITH ALL UTILITIES WHICH MAY BE IN CONFLICT WITH HIS WORK.
4. A COPY OF THE APPROVED SET OF CONSTRUCTION PLANS MUST BE ON THE JOBSITE AT ALL TIMES DURING CONSTRUCTION.
5. ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITY.
6. NO WORK SHALL TAKE PLACE PRIOR TO 7:00AM OR AFTER 5:30PM, MONDAY THROUGH FRIDAY. WORK ON WEEKENDS SHALL BE PROHIBITED UNLESS AUTHORIZED BY THE CITY OF DALTON PUBLIC WORKS PROJECT MANAGER.
7. UNLESS NOTED OTHERWISE ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF DALTON AND STATE OF GEORGIA STANDARDS AND SPECIFICATIONS.
8. WHERE SHOWN ON DRAWINGS ALL SUBSURFACE TOPOGRAPHICAL FEATURES WHICH INCLUDE GROUND WATER TABLE, PARTIALLY WEATHERED ROCK, AND ROCK SHOWN ARE APPROXIMATE. THE CONTRACTOR AT HIS EXPENSE SHALL CONDUCT ADDITIONAL SUBSURFACE SOIL EXPLORATION IF DEEMED NECESSARY.
9. BECAUSE THE PROJECT CONSTRUCTION SITE IS LOCATED NEAR RESIDENTIAL STREETS ADJACENT TO OCCUPIED RESIDENCES, ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER THAT WILL PROVIDE ACCEPTABLE LEVELS OF SAFETY AND MAINTENANCE OF UTILITIES ROADWAY, TRAFFIC, DRIVEWAYS, SIDEWALKS, ETC. TO ALL OWNERS, CITY OF DALTON DEPARTMENT OF PUBLIC WORKS, MANAGEMENT, AND OTHER UTILITIES. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN AND PROTECT ALL UTILITY SERVICES AND DRIVEWAY ACCESS, TO BUT NOT LIMITED TO, RESIDENTS, EMERGENCY SERVICES, VEHICLES, AND PEDESTRIAN TRAFFIC, ETC.
10. THE CONTRACTOR SHALL COORDINATE, OBTAIN APPROVAL AND PROVIDE TEMPORARY TRAFFIC ROUTING PLANS PRIOR TO ANY LANE CLOSURES WITH THE CITY OF DALTON DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION.
11. ALL WORK AROUND THE EXISTING UTILITIES AND UTILITY STRUCTURES WHETHER ABOVE OR BELOW GROUND SHALL BE PERFORMED IN A MANNER THAT WILL AVOID DAMAGE TO THE UTILITIES AND STRUCTURES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL ACCURATELY LOCATE ABOVE AND BELOW UTILITIES WHICH MAY BE AFFECTED BY THE WORK AND PROTECT ALL UTILITIES NOT DESIGNATED FOR REMOVAL, RESTORATION, OR REPLACEMENT IN THE COURSE OF CONSTRUCTION. PROVIDE 72 HOURS OF ADVANCE NOTICE TO THE UTILITY OWNER AND WHITFIELD COUNTY PRIOR TO BEGINNING CONSTRUCTION IN THE VICINITY OF THE EXISTING UTILITIES. FOR EXISTING UTILITY LOCATION ASSISTANCE CALL THE UNDERGROUND UTILITIES PROTECTION CENTER (GA 811).
12. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR, CONTRACTOR'S CREW AND/OR EQUIPMENT SHALL BE THE CONTRACTOR'S COST AND RESPONSIBILITY TO REPLACE PER OWNER'S STANDARDS AND SPECIFICATIONS.
13. THE REFUSE RESULTING FROM THE CLEARING AND GRUBBING OPERATION SHALL BE HAULED TO A DISPOSAL SITE SECURED BY THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL REQUIREMENTS OF FEDERAL, STATE, COUNTY AND MUNICIPAL REGULATIONS. NO DEBRIS OF ANY KIND SHALL BE DEPOSITED IN ANY STREAM OR BODY OF WATER, OR IN ANY STREET OR ALLEY. NO DEBRIS SHALL BE DEPOSITED UPON ANY PRIVATE PROPERTY EXCEPT BY WRITTEN CONSENT OF THE PROPERTY OWNER. IN NO CASE SHALL ANY MATERIAL BE LEFT ON THE PROJECT, SHOVED ONTO ADJUTING PRIVATE PROPERTIES, OR BE BURIED IN THE EMBANKMENTS OR TRENCHES ON THE PROJECT.
14. FINISHED GRADING OF THE DISTURBED AREA SHALL BE ACCORDING TO CIVIL DRAWINGS. ALL DISTURBED AREA SHALL BE IMMEDIATELY GRASSED.
15. THIS PROJECT IS LOCATED IN THE VICINITY OF POLES AND POWER LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITIES TO OBTAIN AN OVERHEAD UTILITY TICKET PRIOR TO WORKING ADJACENT TO THE POWER LINES AND POLES.
16. THE CONTRACTOR SHALL COMPLY WITH THE STATE OF GEORGIA MANUAL FOR EROSION AND SEDIMENT CONTROL STANDARDS, LATEST EDITION.
17. IN THE EVENT ACTIVE UTILITY SERVICES REQUIRE INTERRUPTION, THE CONTRACTORS SHALL COORDINATE AND CONSULT WITH THE OWNER OR/OWNERS AND OBTAIN APPROVAL FROM THEM PRIOR TO SERVICES BEING INTERRUPTED.
18. THE CONTRACTOR SHALL ALL TIMES CONTROL DUST AND DEBRIS FROM THE OPERATIONS TO A LEVEL ACCEPTABLE TO THE CITY OF DALTON AND LOCAL BUSINESSES AT ALL TIMES.
19. ALL UTILITY WORK WITHIN THE CITY OF DALTON RIGHT OF WAY SHALL BE PERFORMED IN ACCORDANCE TO CITY OF DALTON STANDARDS AND SPECIFICATIONS, LATEST EDITION. WORK ON THE SITE SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
20. TEMPORARY DISCONNECTION, REMOVAL AND/OR REPLACEMENT OF THE FOLLOWING ITEMS BUT NOT LIMITED TO, FIRE HYDRANTS, WATER METERS, BACK FLOW PREVENTION DEVICES, VAULTS, MANHOLE AND OTHER POTABLE WATER SYSTEM APPURTENANCES. ASSOCIATED APPURTENANCES SHALL BE IN STRICT ACCORDANCE WITH THE LATEST CITY OF DALTON STANDARDS AND SPECIFICATIONS. BEFORE CONNECTION, REMOVAL AND/OR REPLACEMENT OF ANY UTILITIES. THE CONTRACTOR SHALL CONTACT AND OBTAIN APPROVAL FROM CITY OF DALTON PUBLIC WORKS REPRESENTATIVES PRIOR TO CONSTRUCTION.

21. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE CITY OF DALTON OR LOCAL AUTHORITY FIRE MARSHAL PRIOR TO REMOVING ANY FIRE HYDRANTS OR ANY FIRE PROTECTION UTILITIES. ANY WORK OR MATERIALS REQUIRED BY THE FIRE MARSHAL TO TEMPORARILY PROVIDE FOR FIRE PROTECTION TO THE LOCAL BUSINESS SHALL BE PART OF THE CONTRACTOR'S SCOPE OF WORK. "OUT-OF-SERVICE RINGS" WILL BE REQUIRED FOR HYDRANTS WHILE OUT OF SERVICE.
22. ALL EXCAVATION SHALL BE ADEQUATELY SHORED TO ENSURE WORKER SAFETY. ALL PIPE LAYING OPERATIONS SHALL COMPLY WITH OSHA REQUIREMENTS FOR TRENCH SAFETY.
23. MAINTENANCE AND TRAFFIC: THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL ROAD PERMITS FROM THE CITY OF DALTON DEPARTMENT OF PUBLIC WORKS INCLUDING PROVIDING ANY RESTORATION BONDS. THE CONTRACTOR SHALL PROVIDE A DETAILED PHASED TRAFFIC CONTROL PLAN BASED ON THE PROPOSED WORK PHASING AS DETERMINED BY THE CONTRACTOR. THE DETAILED PHASED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE CITY OF DALTON PUBLIC WORKS FOR APPROVAL. THE CONTRACTOR SHALL UTILIZE THE LATEST EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" TO DEVELOP PLANS.
24. 72 HOURS NOTICE IS REQUIRED TO GEORGIA 811 UTILITY PROTECTION CENTER BEFORE ANY PLANNED DIGGING. <http://www.georgia811.com>

STAKING NOTES

1. THE EXISTING CONDITIONS SITE FEATURES ARE BASED ON FIELD SURVEY CONDUCTED BY CHASTAIN & ASSOCIATES, P.C. IN JANUARY AND SEPTEMBER OF 2021.
2. HORIZONTAL DATUM IS REFERENCED TO NAD-83 GEORGIA STATE PLANE, WEST ZONE.
3. VERTICAL DATUM IS REFERENCED TO NAVD 88.

GRADING NOTES:

1. CONTRACTOR SHALL NOT PERMIT EQUIPMENT TO BE USED IN SUCH A MANNER AS TO CAUSE EQUIPMENT TO EXCESSIVELY BUMP OR RUT THE SUBGRADE OR OTHER PREPARED AREAS.
2. CONTRACTOR SHALL GRADE IN A MANNER TO ESTABLISH LONG SMOOTH GRADIENTS IN ORDER TO REDUCE ABRUPT CHANGES, DIPS AND SHARP TRANSITIONS IN THE FINISHED GRADE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE POSITIVE DRAINAGE ON GRADED SURFACE AREAS AT 1% MINIMUM ON HARDSCAPE AT 2% MINIMUM ON GRADE UNLESS OTHERWISE INDICATED.
4. ANY REQUIRED DETENTION FACILITIES AND EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
5. ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
6. SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
7. UNLESS SHOWN ON THE EROSION & SEDIMENT CONTROL PLANS AND / OR LANDSCAPING PLANS, ALL DISTURBED AREAS NOT RECEIVING A SURFACE SHALL BE COVERED IN GRASS.
8. GENERALLY TAKE STANDARD PRECAUTIONS TO PROTECT TREES. SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION REQUIREMENTS WHEN APPLICABLE.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL DEMOLISH AND REMOVE ALL EXISTING, PAVEMENT, SIDEWALK, CURB, GUTTER, PAVERS, ETC., NOTED TO BE REMOVED WITHIN THE DEMOLITION LIMITS AS SHOWN ON THIS PLAN UNLESS OTHERWISE NOTIFIED.
2. CONTRACTOR TO PROVIDE AND MAINTAIN NECESSARY FENCES, BARRICADES, LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL MEASURES AS REQUIRED FOR THE PROTECTION AND SAFETY OF THE PUBLIC THROUGHOUT THE DEMOLITION AND CONSTRUCTION ACTIVITIES ON THE SITE.
3. CONTRACTOR SHALL MINIMIZE THE IMPACT OF CONSTRUCTION ACTIVITIES ON THE TRAFFIC FLOW TO SURROUNDING FACILITIES TO REMAIN.
4. CONTRACTOR SHALL SAW CUT PAVEMENT, SIDEWALKS AND CURB & GUTTER AT THE LIMIT OF DEMOLITION FOR REMOVAL.
5. ALL EXISTING PIPE TO BE ABANDONED SHALL BE CUT, AND PLUGGED OR CAPPED AT EACH END. WHERE EXISTING PIPING INTERFERES WITH NEW PIPING OR CONSTRUCTION, IT SHALL BE REMOVED BEYOND THE LIMITS REQUIRED FOR THE PROPER COMPLETION OF THE WORK AND THE OPEN ENDS PLUGGED OR CAPPED UNLESS OTHERWISE SHOWN. LINES SHALL BE PLUGGED OR CAPPED AT LEAST 12-INCHES BEHIND OR BELOW FINISH BUILDING SURFACE AND AT LEAST 12-INCHES BELOW PROPOSED GRADE SURFACE.
6. THE CONTRACTOR SHALL INSTALL ALL INITIAL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO BEGINNING DEMOLITION OPERATIONS.



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CONSULTANTS

ISSUED FOR CONSTRUCTION

SEALS



WHITFIELD COUNTY, GEORGIA
 CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

0	04/23	ISSUED FOR CONSTRUCTION	RG/TT
NO.	DATE	ISSUED FOR	BY

COPYRIGHT: ARCADIS U.S., INC. 2021

DATE: APRIL 2023
 PROJECT NO.: 30048235
 FILE NAME:
 DESIGNED BY: A. CARLSON
 DRAWN BY: M. SMITH
 CHECKED BY: R. GREUEL

SHEET TITLE

GENERAL

GENERAL NOTES

SCALE: AS SHOWN

G-01



Know what's below.
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User:ACRMIN Spec:AS-NSW02 File: \\ARCADIS-US\OFFICE\DATA\CHATTANOOGA-TN\CADD\ACAD\PROJ\30048235 CITY OF DALTON - PRATER ALLEY\SHEETS\PRATER ALLEY - ABOVEGROUND\G-02.DWG Scale:1:1 SavedDate:11/30/2023 Time:11:27 Plot Date: Dotti, Angela; 12/5/2023; 15:56 ; Layout:2

SYMBOLS

- CONTROL POINT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING GAS LINE
- ELECTRIC LINE (UNDERGROUND)
- ELECTRIC LINE (OVERHEAD)
- WATER LINE
- RIGHT-OF-WAY
- EXISTING TOPOGRAPHIC CONTOUR
- EXISTING FENCE
- EXISTING TREES
- EXISTING SIGN
- EXISTING STORM CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
-
- SEWER FLOW DIRECTION
- WETLAND (NWI)
- 100-YEAR FLOOD PLAIN
- FLOODWAY
- 25-FT STATE BUFFER
- 50-FT MUNICIPAL BUFFER
- SANITARY SEWER EASEMENT
- CREEK CENTERLINE
- LIMITS OF SURVEY
- PROPOSED FENCE
- LIMITS OF DISTURBANCE
- SEDIMENT BARRIER
- PROPOSED PERMANENT SANITARY SEWER EASEMENT
- PAVEMENT REPLACEMENT
- DEMOLITION
- TO BE REMOVED

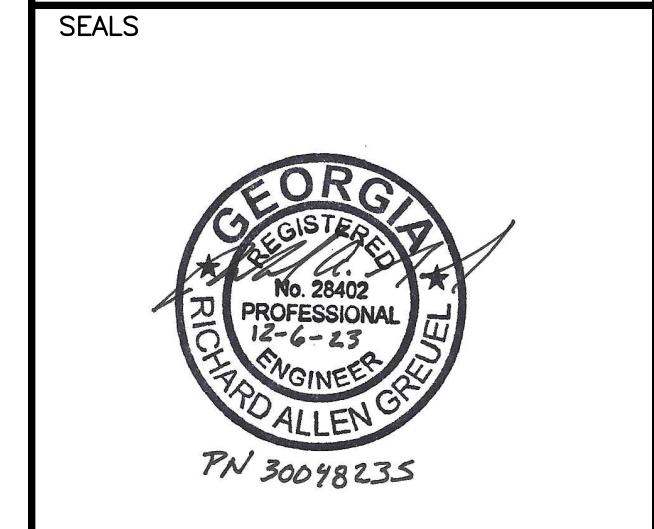
GENERAL, CIVIL, AND MECHANICAL ABBREVIATIONS

- | | |
|------------------------------|-----------------------------------|
| AB ANCHOR BOLT | HP HIGH POINT |
| ABAN. ABANDONED | ID INSIDE DIAMETER |
| ADD'L. ADDITIONAL | IF INSIDE FACE |
| ADJ. ADJUSTABLE | IN. INCHES |
| AH ACCESS HATCH | INF. INFLUENT |
| ALUM. ALUMINUM | INV. INVERT |
| ALT. ALTERNATE | JST. JOIST |
| BF BLIND FLANGE | JT. JOINT |
| BITUM. BITUMINOUS | K KIP (1000 POUNDS) |
| BL BASELINE | KSF KIPS PER SQUARE FOOT |
| BLDG. BUILDING | LG. LONG |
| BMK BENCH MARK | LLH LONG LEG HORIZONTAL |
| BM. BEAM | LLV LONG LEG VERTICAL |
| BOP BOTTOM OF PIPE | LR LONG RADIUS |
| BOT. BOTTOM | LSH LEVEL SWITCH HIGH |
| BRG BEARING | LSLL LEVEL SWITCH LOW LOW |
| BRP BUILDING REFERENCE POINT | MAS MASONRY |
| C CENTERLINE | MAX. MAXIMUM |
| C/C CENTER TO CENTER | MCC MOTOR CONTROL CENTER |
| CB CATCH BASIN | MFR. MANUFACTURER |
| CFB CHEMICAL FEED BANK | MGD MILLION GALLONS PER DAY |
| CIPP CURED-IN-PLACE PIPE | MH MANHOLE |
| CJ CONSTRUCTION JOINT | MIN. MINIMUM |
| CL CLEAR | MJ MECHANICAL JOINT |
| CMH COMMUNICATION MANHOLE | MO MASONRY OPENING |
| CO CLEANOUT | NC NORMALLY CLOSED |
| COL. COLUMN | NF NEAR FACE |
| CONC. CONCRETE | NO NORMALLY OPEN |
| CONT. CONTINUED | NO. NUMBER |
| CPLG. COUPLING | NWI NATIONAL WETLANDS INVENTORY |
| CY CUBIC YARD(S) | OC ON CENTER |
| DET. DETAIL | OD OUTSIDE DIAMETER |
| DIP DUCTILE IRON PIPE | OF OUTSIDE FACE |
| DIA. DIAMETER | OPNG. OPENING |
| DISCH. DISCHARGE | OPP. OPPOSITE |
| DMH DROP MANHOLE | PC POINT OF CURVATURE |
| DN. DOWN | PE PLAIN END |
| DWL. DOWELS | PI POINT OF INTERSECTION |
| EA. EACH | PLP PLAT OR PROPERTY LINE |
| EF EACH FACE | PROP. PROPOSED |
| EFF. EFFLUENT | PSF POUNDS PER SQUARE FOOT |
| EJ EXPANSION JOINT | PSI POUNDS PER SQUARE INCH |
| EL. ELEVATION | PT POINT OF TANGENCY |
| ELEC. ELECTRIC | R RISER |
| EMH ELECTRICAL MANHOLE | RBF REBAR FOUND |
| EQ. EQUAL | RBR REBAR |
| EW EACH WAY | RED. REDUCER |
| EXST. EXISTING | REINF. REINFORCEMENT OR REINFORCE |
| FCA FLANGED COUPLING ADAPTER | REQ'D. REQUIRED |
| FD FLOOR DRAIN | RJ RESTRAINED JOINT |
| FDN FOUNDATION | RM. ROOM |
| FDND FOUNDATION DRAIN | ROW RIGHT OF WAY |
| FF FAR FACE | SHT. SHEET |
| FIN. FINISHED | SPA. SPACING |
| FL FLUSHING | SR SHORT RADIUS |
| FLEX. FLEXIBLE | SS STAINLESS STEEL |
| FLG. FLANGE | STD. STANDARD |
| FLR. FLOOR | STL. STEEL |
| FM FLOWMETER | STRUC. STRUCTURAL |
| FS FLOW SWITCH | T&B TOP AND BOTTOM |
| FTG. FOOTING | TCB TOP CURB BACK |
| FT. FEET | THK. THICK |
| GA. GAGE OR GAUGE | TYP. TYPICAL |
| GALV. GALVANIZED | UNION UNLESS OTHERWISE NOTED |
| GE GROOVED END JOINT | USG UNITED STATES STANDARD GAGE |
| GRD. GROUND | VERT. VERTICAL |
| GRAT. GRATING | W/ WITH |
| HB HOSE BIB | WP WORK POINT |
| HORIZ. HORIZONTAL | WS WATER STOP |
| | WWF WELDED WIRE FABRIC |

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CONSULTANTS

ISSUED FOR CONSTRUCTION



WHITFIELD COUNTY, GEORGIA
 CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

NO.	DATE	ISSUED FOR CONSTRUCTION	BY
1	12/23	CLIENT COMMENTS	RG/TT
0	04/23	ISSUED FOR CONSTRUCTION	RG/TT

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DATE: DECEMBER 2023

PROJECT NO.: 30048235

FILE NAME:

DESIGNED BY: A. CARLSON

DRAWN BY: M. SMITH / A. DOTTL

CHECKED BY: R. GREUEL

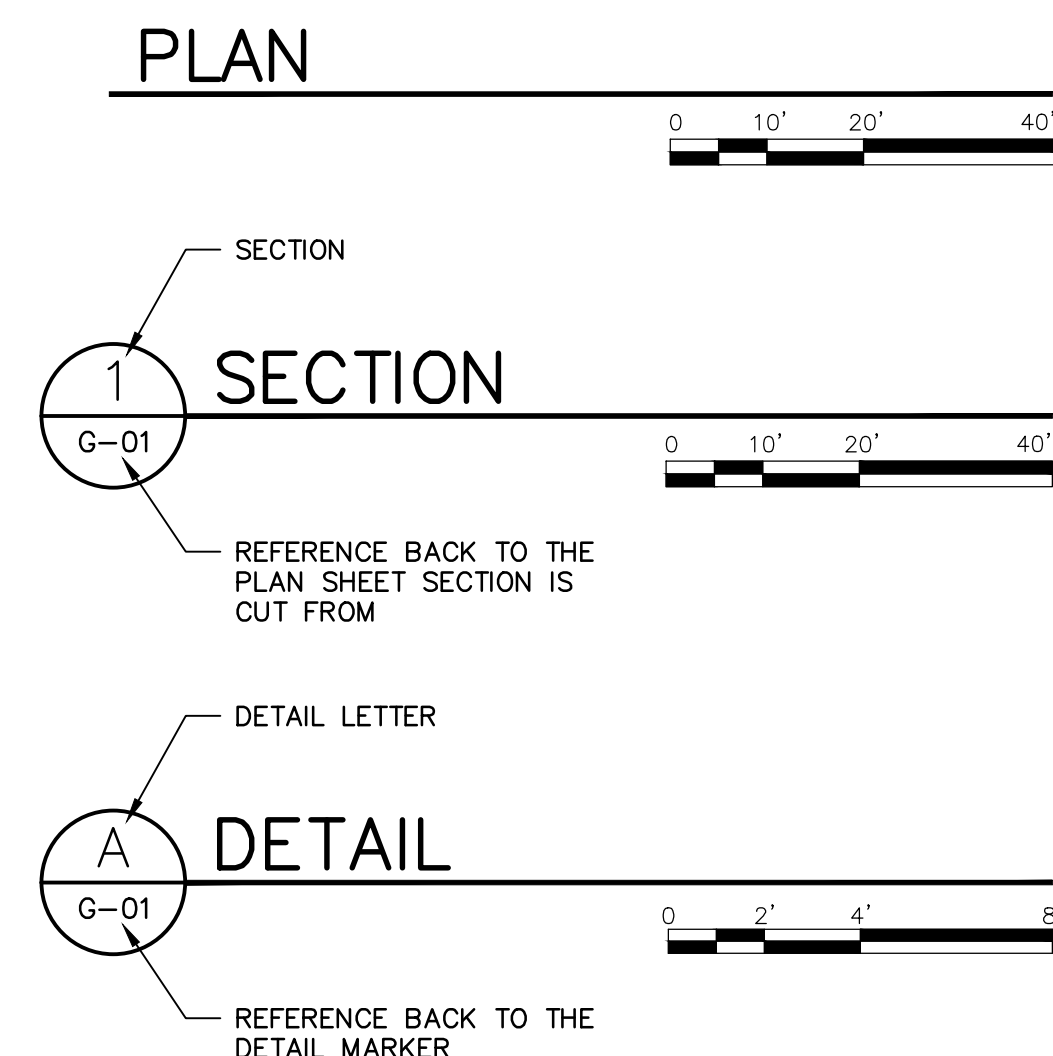
SHEET TITLE

**GENERAL
 LEGEND AND ABBREVIATIONS**

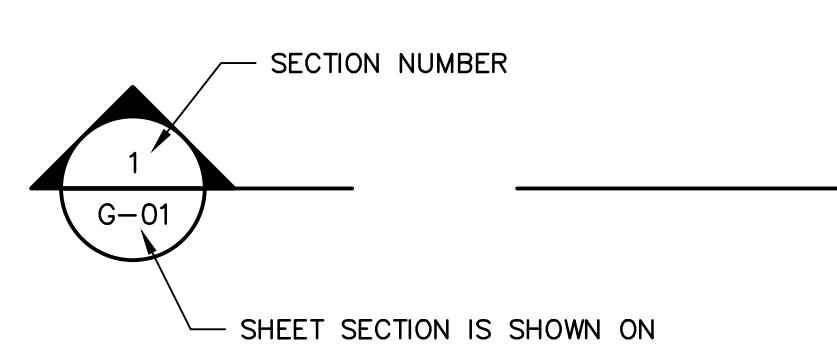
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G-02

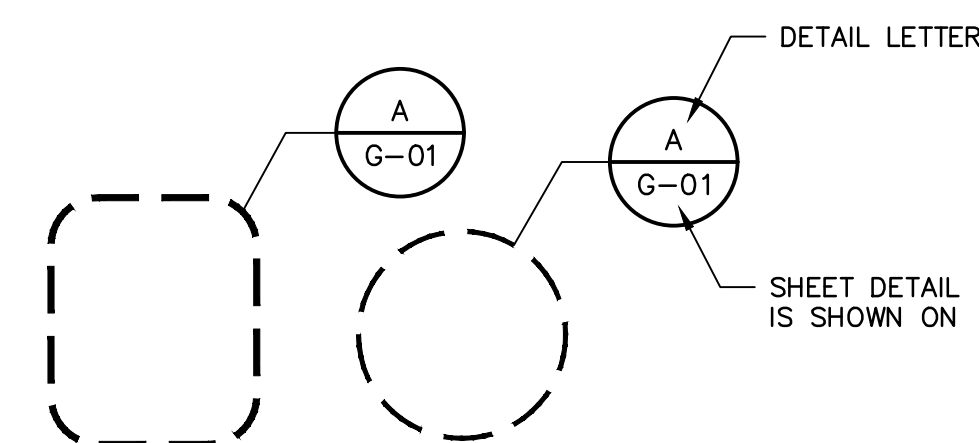
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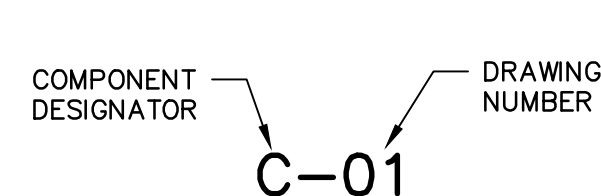
SECTION MARKERS



DETAIL MARKERS



DRAWING NUMBERING

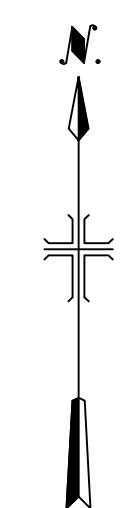


TYPICAL DETAILS

NTS



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ISSUED FOR CONSTRUCTION

SEALS



WHITFIELD COUNTY, GEORGIA
 CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

O NO.	04/23 DATE	ISSUED FOR CONSTRUCTION ISSUED FOR	RG/TT BY

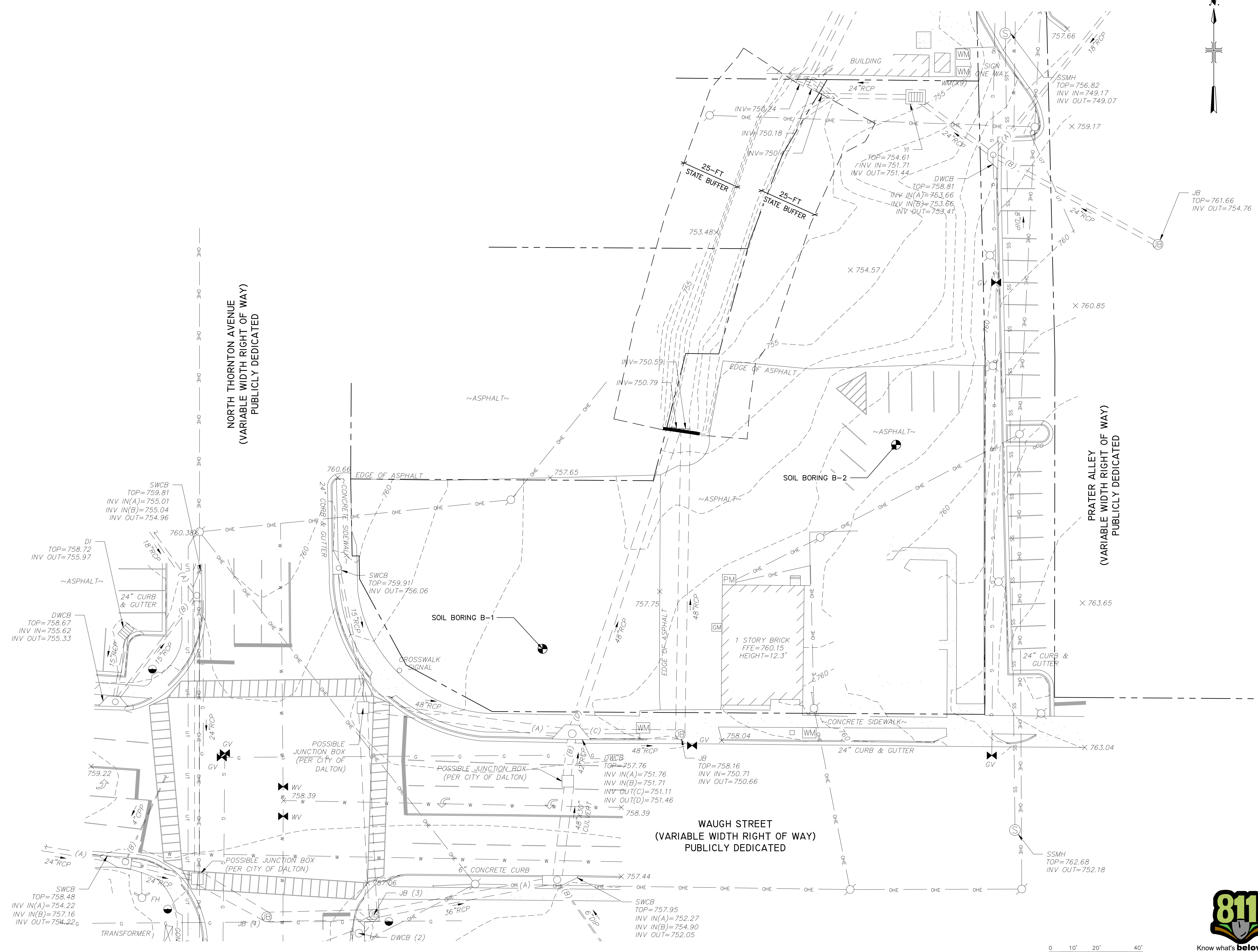
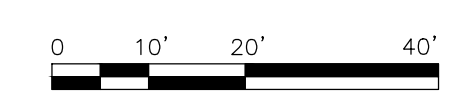
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DATE: APRIL 2023
 PROJECT NO.: 30048235
 FILE NAME:
 DESIGNED BY: A. CARLSON
 DRAWN BY: M. SMITH
 CHECKED BY: R. GREUEL

SHEET TITLE
 CIVIL
EXISTING CONDITIONS PLAN

SCALE: AS SHOWN

C-01



**NORTH THORNTON AVENUE
 (VARIABLE WIDTH RIGHT OF WAY)
 PUBLICLY DEDICATED**

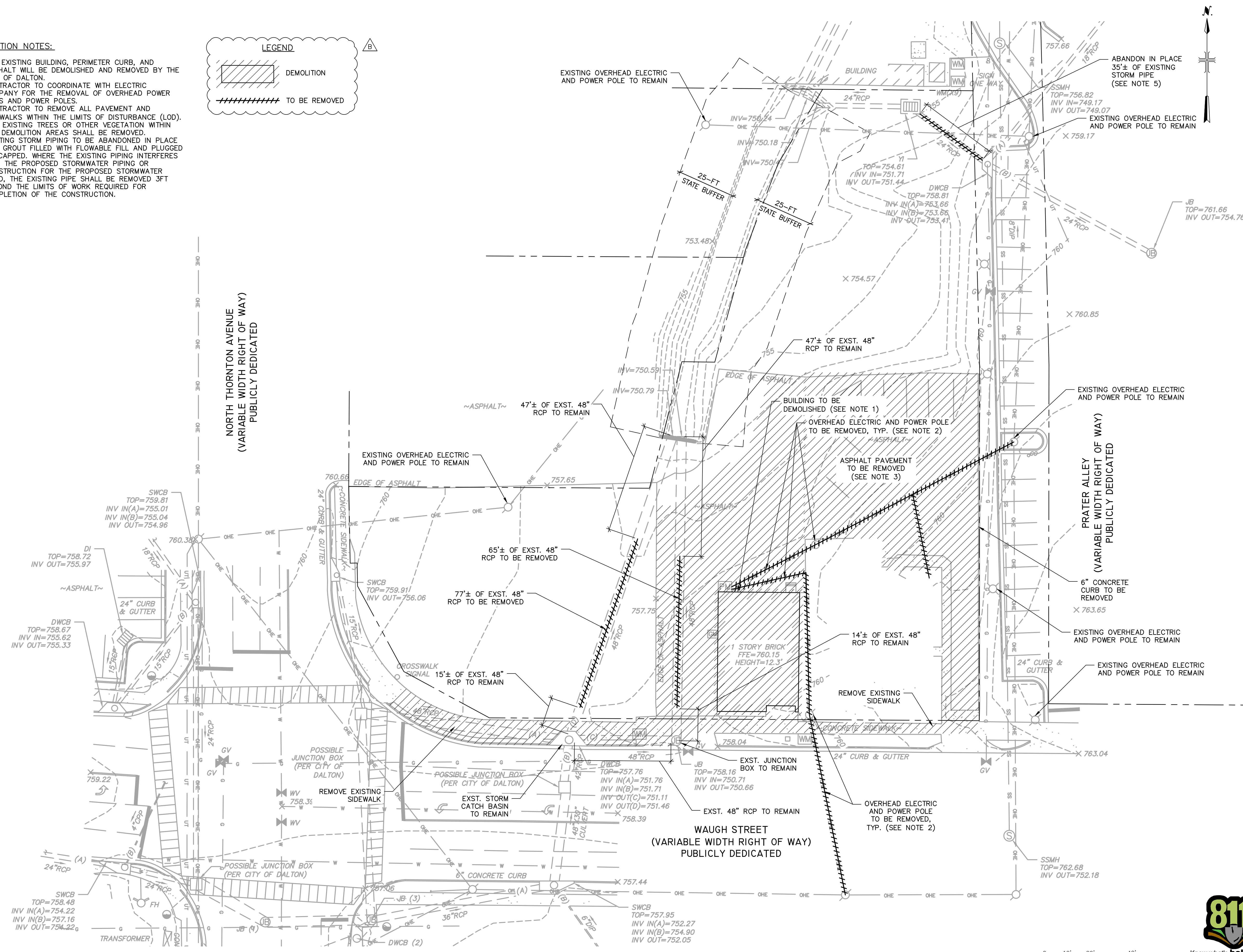
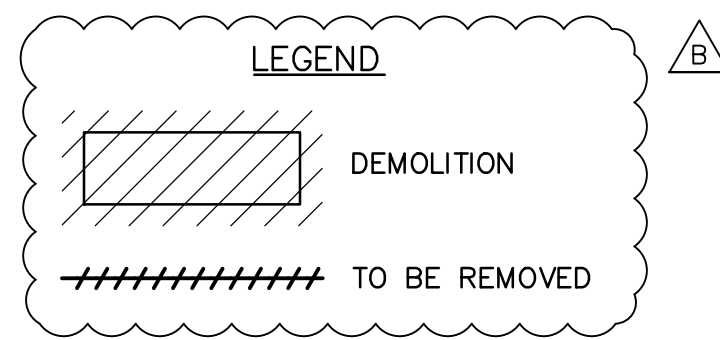
**PRATER ALLEY
 (VARIABLE WIDTH RIGHT OF WAY)
 PUBLICLY DEDICATED**

**WAUGH STREET
 (VARIABLE WIDTH RIGHT OF WAY)
 PUBLICLY DEDICATED**

User:MSMITH, Spec:AUS-NSM00D File:H:\CADD\ACAD\PROJ\30048235 CITY OF DALTON - PRATER ALLEY SHEETS\PRATER ALLEY - ABOVEGROUND\C-03.DWG Scale:1:1 SavedDate:3/31/2023 Time:08:53 Plot Date, Smith, Madison: 4/14/2023, 16:41 : Layout:5

DEMOLITION NOTES:

1. THE EXISTING BUILDING, PERIMETER CURB, AND ASPHALT WILL BE DEMOLISHED AND REMOVED BY THE CITY OF DALTON.
2. CONTRACTOR TO COORDINATE WITH ELECTRIC COMPANY FOR THE REMOVAL OF OVERHEAD POWER LINES AND POWER POLES.
3. CONTRACTOR TO REMOVE ALL PAVEMENT AND SIDEWALKS WITHIN THE LIMITS OF DISTURBANCE (LOD).
4. ANY EXISTING TREES OR OTHER VEGETATION WITHIN THE DEMOLITION AREAS SHALL BE REMOVED.
5. EXISTING STORM PIPING TO BE ABANDONED IN PLACE AND GROUT FILLED WITH FLOWABLE FILL AND PLUGGED OR CAPPED. WHERE THE EXISTING PIPING INTERFERES WITH THE PROPOSED STORMWATER PIPING OR CONSTRUCTION FOR THE PROPOSED STORMWATER POND, THE EXISTING PIPE SHALL BE REMOVED 3FT BEYOND THE LIMITS OF WORK REQUIRED FOR COMPLETION OF THE CONSTRUCTION.



0	04/23	ISSUED FOR CONSTRUCTION	RG/TT
NO.	DATE	ISSUED FOR	BY

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DRAWN BY: M. SMITH

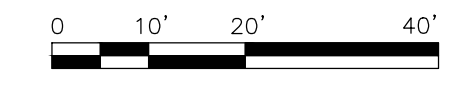
CHECKED BY: R. GREUEL

SHEET TITLE

CIVIL

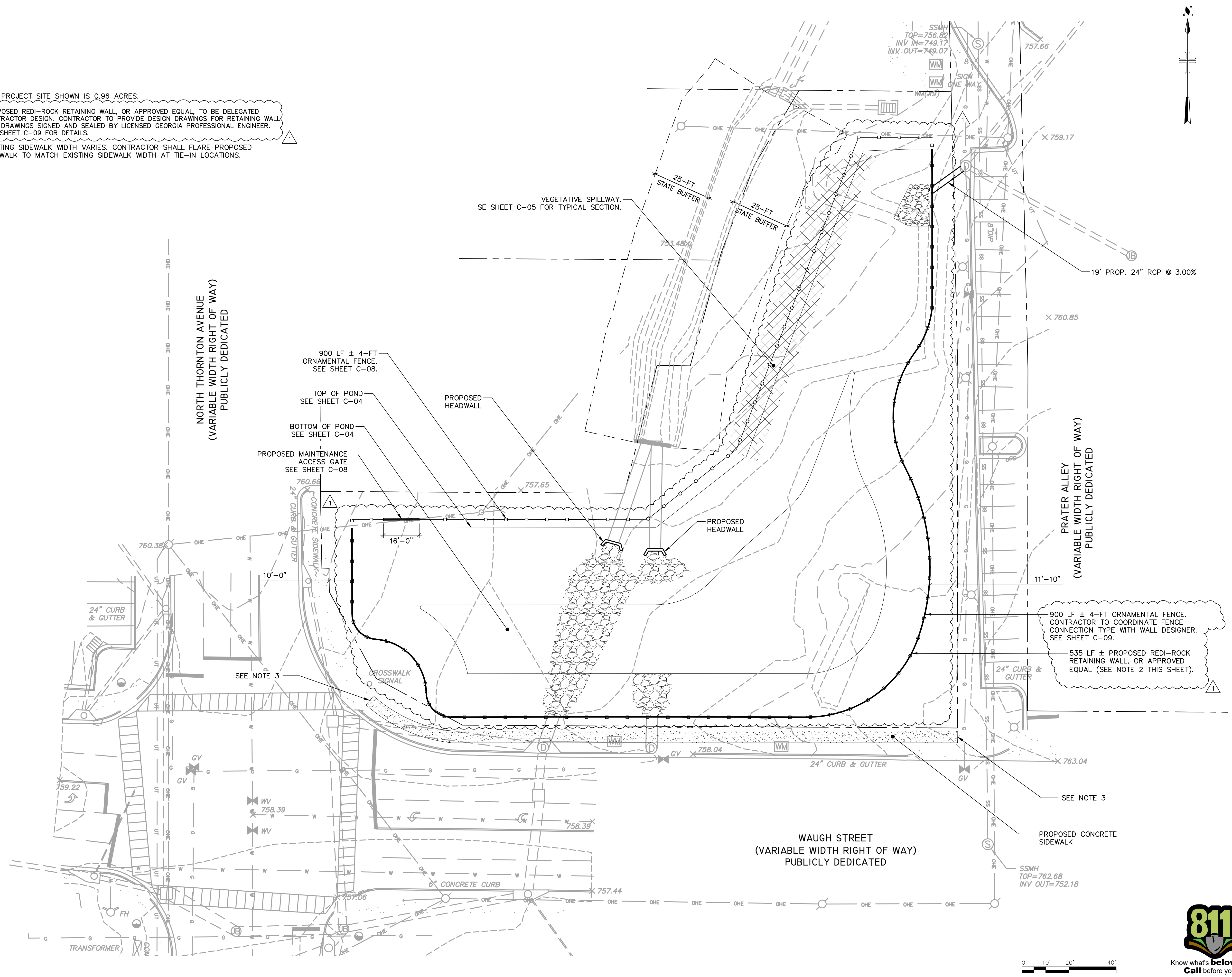
DEMOLITION PLAN

SCALE: AS SHOWN



User:ACRMAIN Spec:AUS-NOSWID File:\ARCADIS-US\OFFICE\DATA\CHATTANOOGA-TN\CADD\ACAD\PROJ\30048235\CITY OF DALTON - PRATER ALLEY SHEETS\PRATER ALLEY - ABOVEGROUND\C-05.DWG Scale:1:1 SavedDate:12/15/2023 Time:11:58 Plot Date: Dettl, Angelo; 12/16/2023; 08:29 ; layout:7

- NOTES:
1. THE PROJECT SITE SHOWN IS 0.96 ACRES.
 2. PROPOSED REDI-ROCK RETAINING WALL, OR APPROVED EQUAL, TO BE DELEGATED CONTRACTOR DESIGN. CONTRACTOR TO PROVIDE DESIGN DRAWINGS FOR RETAINING WALL AND DRAWINGS SIGNED AND SEALED BY LICENSED GEORGIA PROFESSIONAL ENGINEER. SEE SHEET C-09 FOR DETAILS.
 3. EXISTING SIDEWALK WIDTH VARIES. CONTRACTOR SHALL FLARE PROPOSED SIDEWALK TO MATCH EXISTING SIDEWALK WIDTH AT TIE-IN LOCATIONS.



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 CONSULTANTS

ISSUED FOR CONSTRUCTION



WHITFIELD COUNTY, GEORGIA
 CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

NO.	DATE	ISSUED FOR	BY
1	12/23	CLIENT COMMENTS	RG/TT
0	04/23	ISSUED FOR CONSTRUCTION	RG/TT

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DATE: DECEMBER 2023
 PROJECT NO.: 30048235
 FILE NAME:
 DESIGNED BY: A. CARLSON
 DRAWN BY: M. SMITH / A. DOTTL
 CHECKED BY: R. GREUEL

SHEET TITLE

CIVIL
SITE PLAN

SCALE: AS SHOWN

C-03



ISSUED FOR CONSTRUCTION

SEALS



WHITFIELD COUNTY, GEORGIA
CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

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1	12/23	CLIENT COMMENTS	RG/TT
0	04/23	ISSUED FOR CONSTRUCTION	RG/TT

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DATE: DECEMBER 2023

PROJECT NO.: 30048235

FILE NAME:

DESIGNED BY: A. CARLSON

DRAWN BY: M. SMITH / A. DOTTL

CHECKED BY: R. GREUEL

SHEET TITLE

CIVIL
GRADING AND DRAINAGE PLAN

SCALE: AS SHOWN

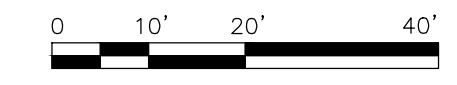
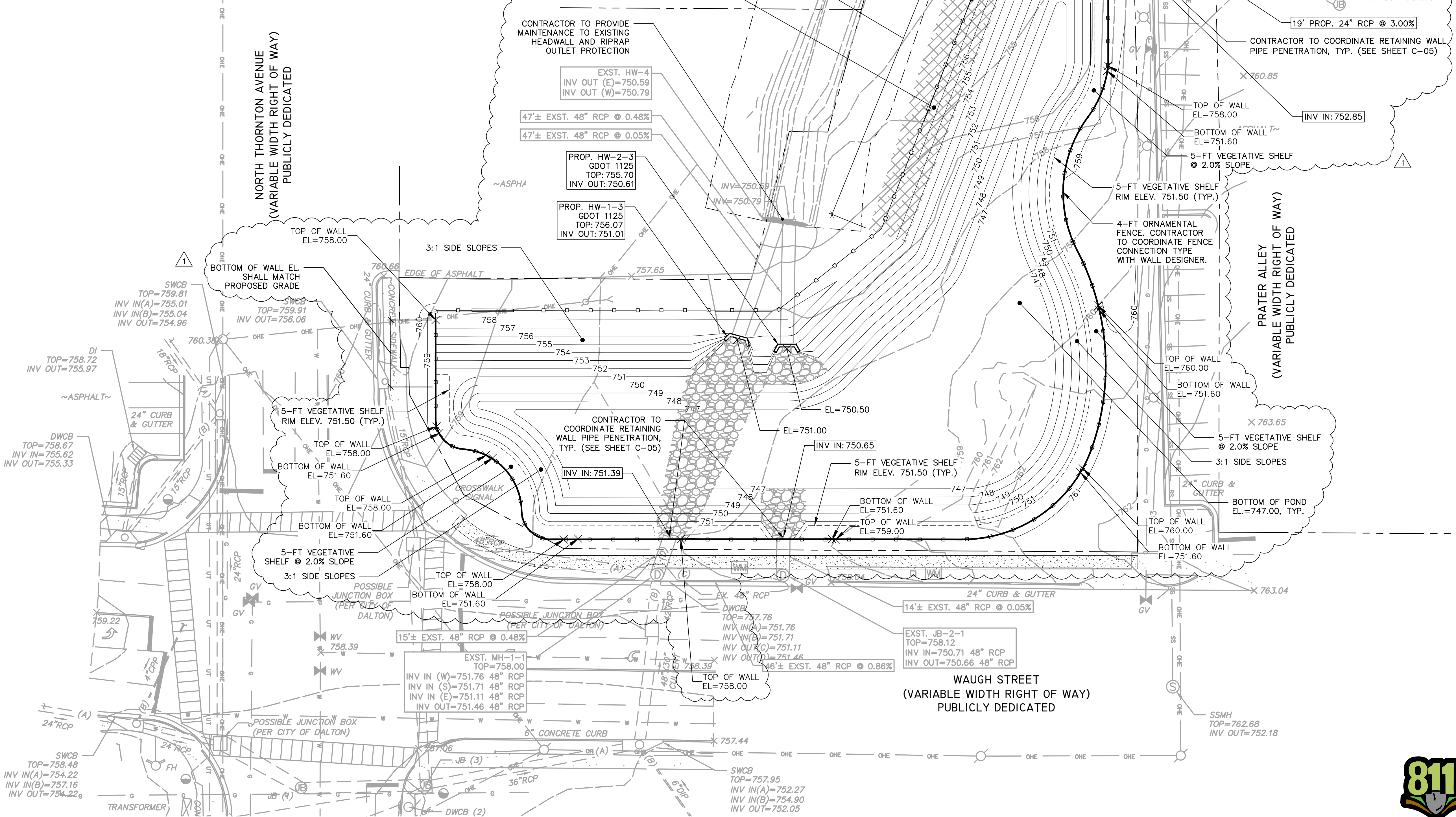
C-04

- NOTES:
1. THE EARTHWORK REQUIRED FOR THIS PROJECT IS SHOWN IN THE TABLE BELOW.
 2. THE PROPOSED VEGETATED SPILLWAY SHALL BE COVERED WITH PYRAMAT OR APPROVED EQUAL, A 3-IN LAYER OF TOPSOIL, AND THEN BE PERMANENTLY VEGETATED WITH SOD.
 3. PROPOSED REDI-ROCK RETAINING WALL, OR APPROVED EQUAL, TO BE DELEGATED CONTRACTOR DESIGN. CONTRACTOR TO PROVIDE DESIGN DRAWINGS FOR RETAINING WALL AND DRAWINGS SIGNED AND SEALED BY LICENSED GEORGIA PROFESSIONAL ENGINEER. SEE SHEET C-09 FOR DETAILS.

EARTHWORK QUANTITIES	
CUT	8,428 CY
FILL	20 CY
VEGETATED SPILLWAY (TOPSOIL)	592 CY
NET (CUT)	8,408 CY

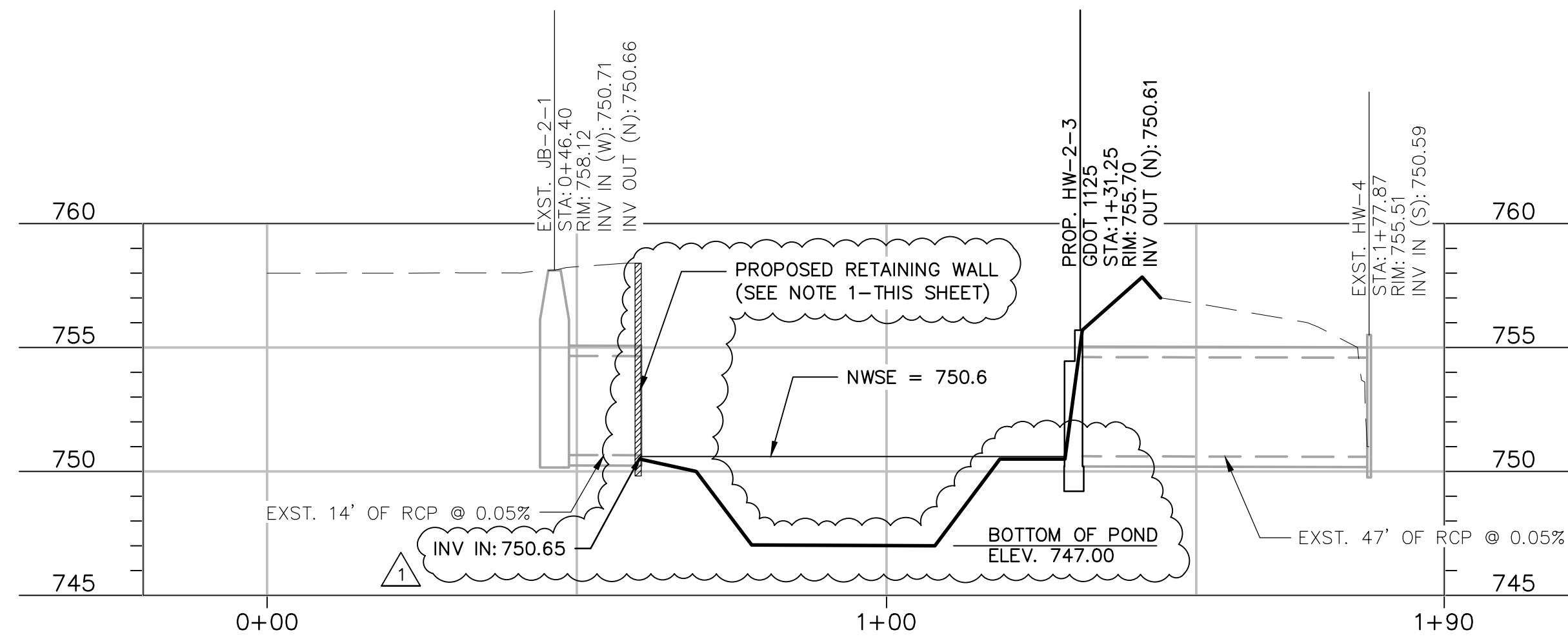
- SEE NOTE 2

User:CRK\Main Spec:AUS-NOSWID File: \\ARCADIS-US\OFFICEDATA\CHATTANOOGA-TN\CADD\ACAD\PROJ\30048235\CITY OF DALTON - PRATER ALLEY SHEETS\PRATER ALLEY - ABOVEGROUND\C-07.DWG Scale:1:1 SavedDate:12/15/2023 Time:16:41 Plot Date: Dalton, Georgia: 12/16/2023 08:28 : Layout9



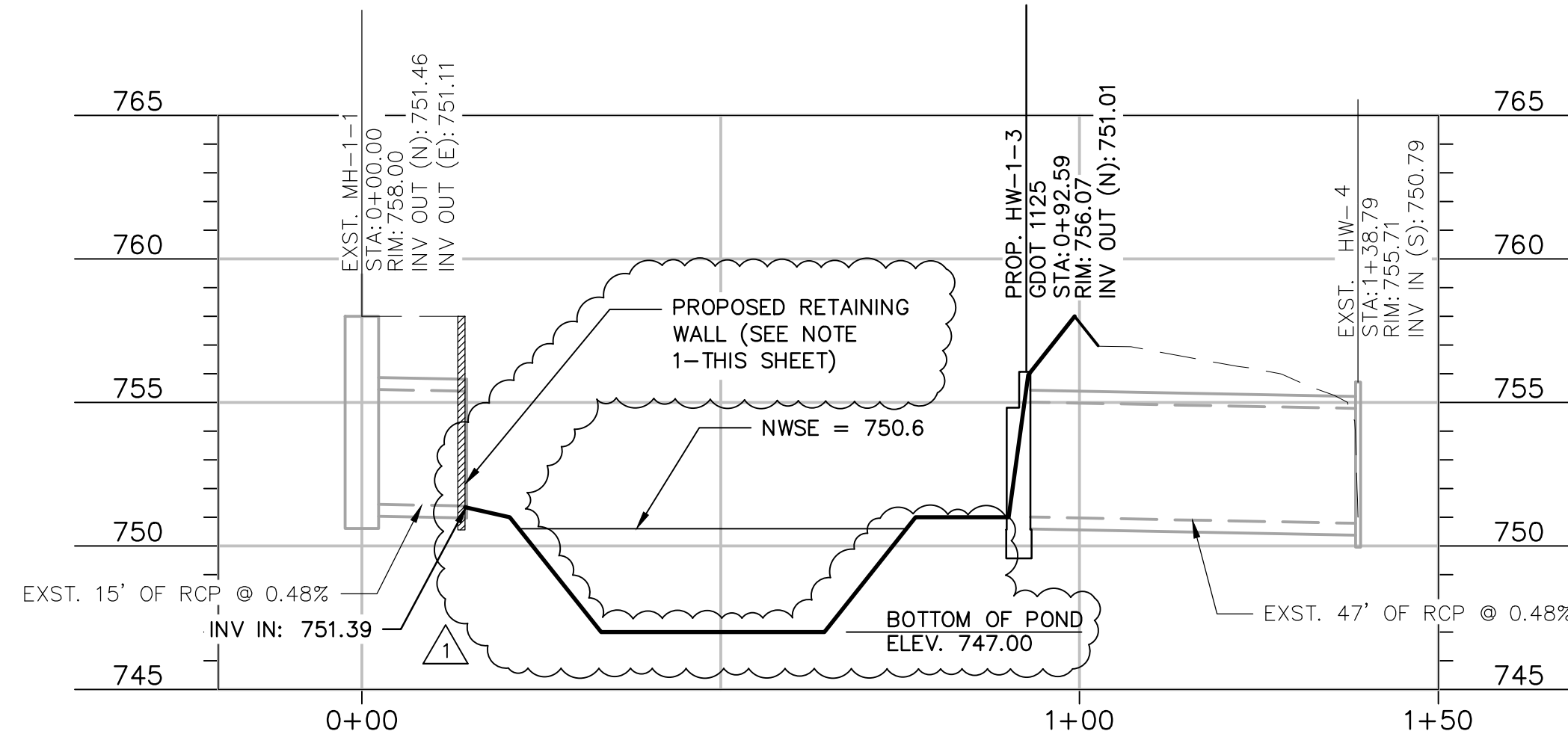
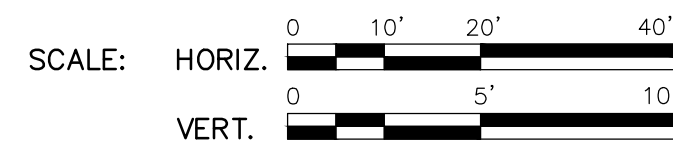
NOTES:

1. PROPOSED REDI-ROCK RETAINING WALL, OR APPROVED EQUAL, TO BE DELEGATED CONTRACTOR DESIGN. CONTRACTOR TO PROVIDE DESIGN DRAWINGS FOR RETAINING WALL AND DRAWINGS SIGNED AND SEALED BY LICENSED GEORGIA PROFESSIONAL ENGINEER. SEE SHEET C-04 FOR MORE DETAIL.



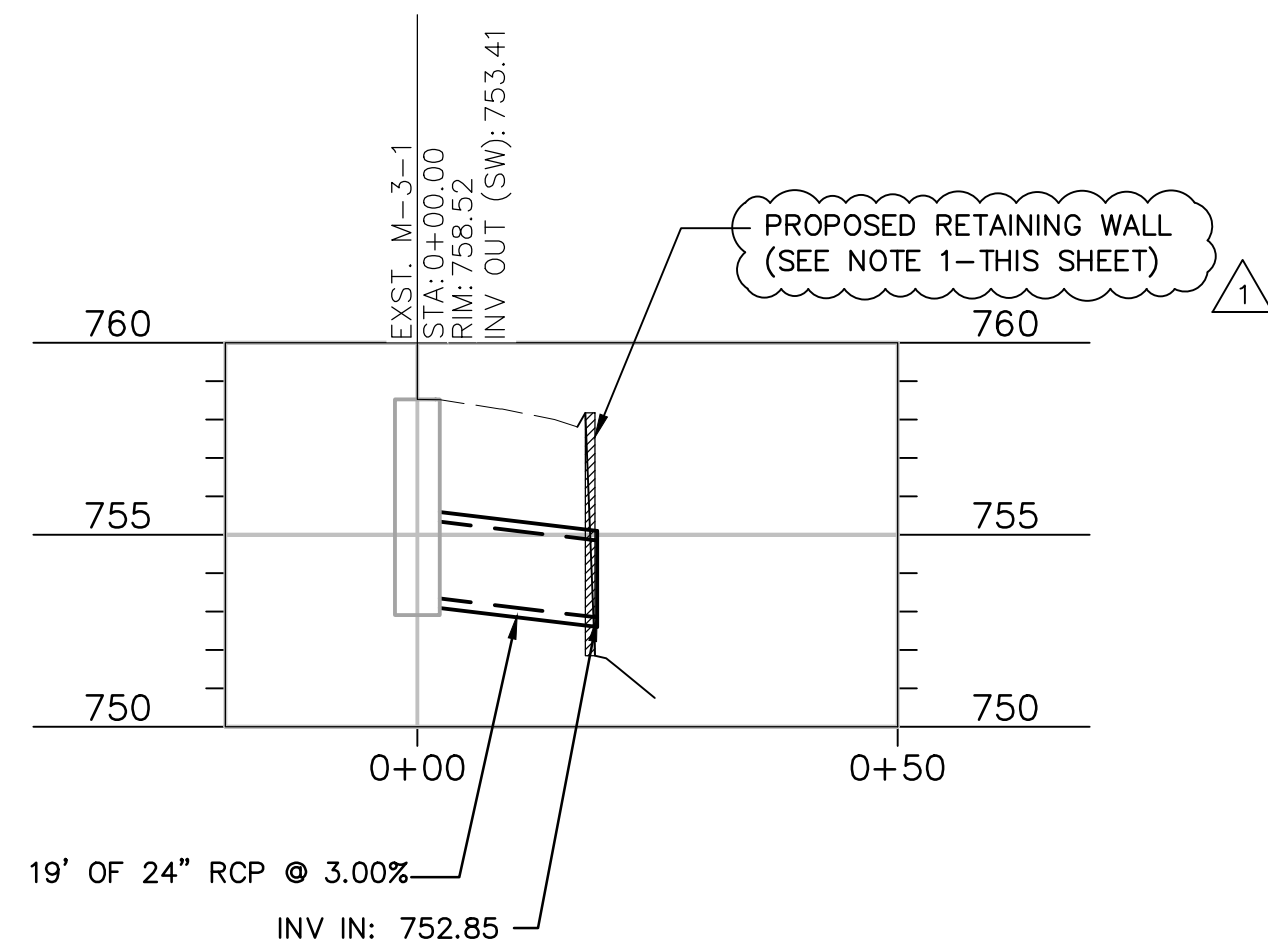
PROPOSED CITY HALL STORMWATER TRUNK LINE 2

EXST. JB-2-1 TO EXST. HW-4



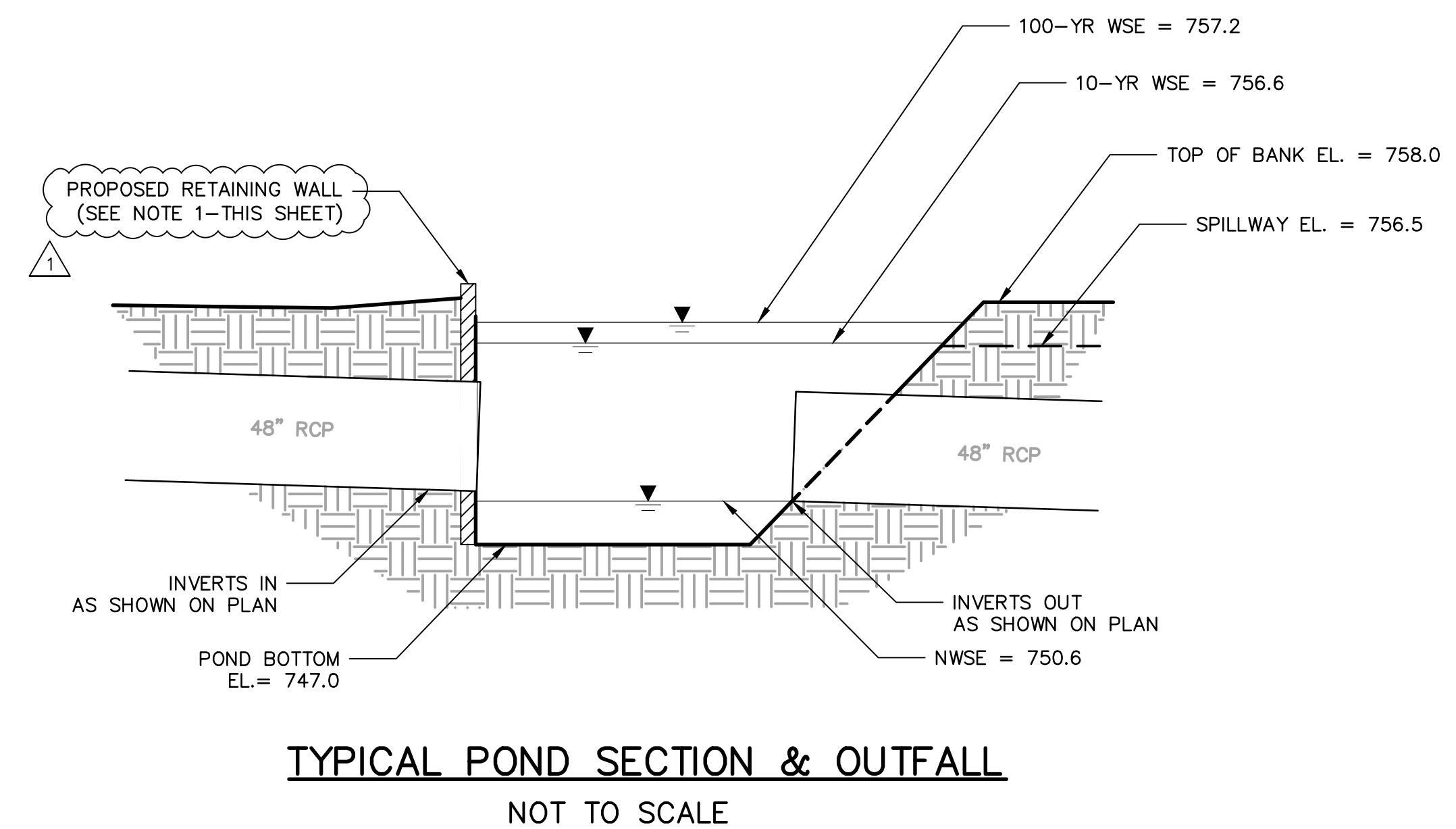
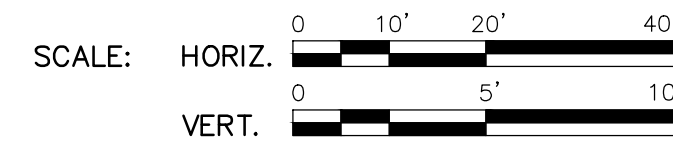
PROPOSED CITY HALL STORMWATER TRUNK LINE 1

EXST. MH-1-1 TO EXST. HW-4



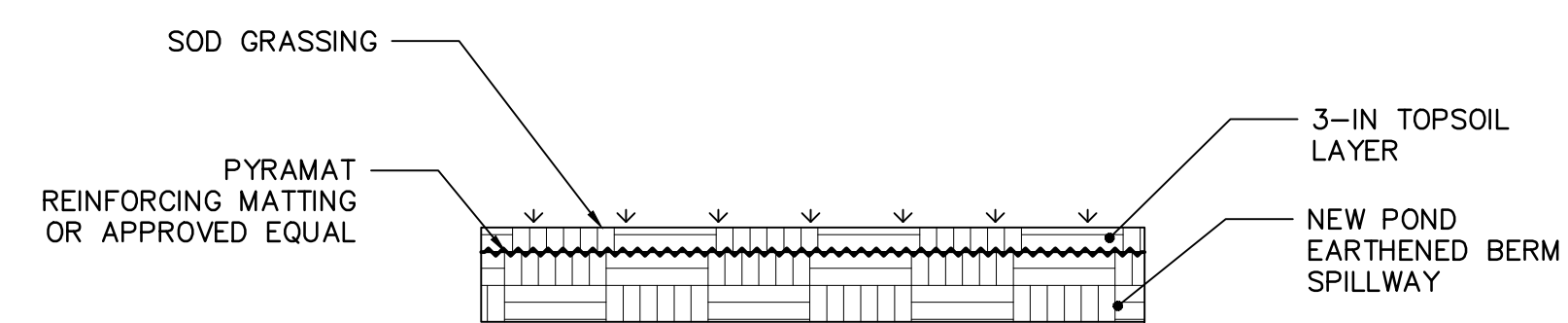
PROPOSED CITY HALL NORTH STORMWATER LINE 3

EXST. MH-3-1 TO PROPOSED POND



TYPICAL POND SECTION & OUTFALL

NOT TO SCALE



TYPICAL VEGETATED EMERGENCY SPILLWAY SECTION

NOT TO SCALE



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WHITFIELD COUNTY, GEORGIA
CITY OF DALTON

PRATER ALLEY
ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

NO.	DATE	CLIENT COMMENTS	RG/TT
1	12/23	CLIENT COMMENTS	RG/TT
0	04/23	ISSUED FOR CONSTRUCTION	RG/TT

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DATE: DECEMBER 2023

PROJECT NO.: 30048235

FILE NAME:

DESIGNED BY: A. CARLSON

DRAWN BY: M. SMITH / A. DOTTL

CHECKED BY: R. GREUEL

SHEET TITLE

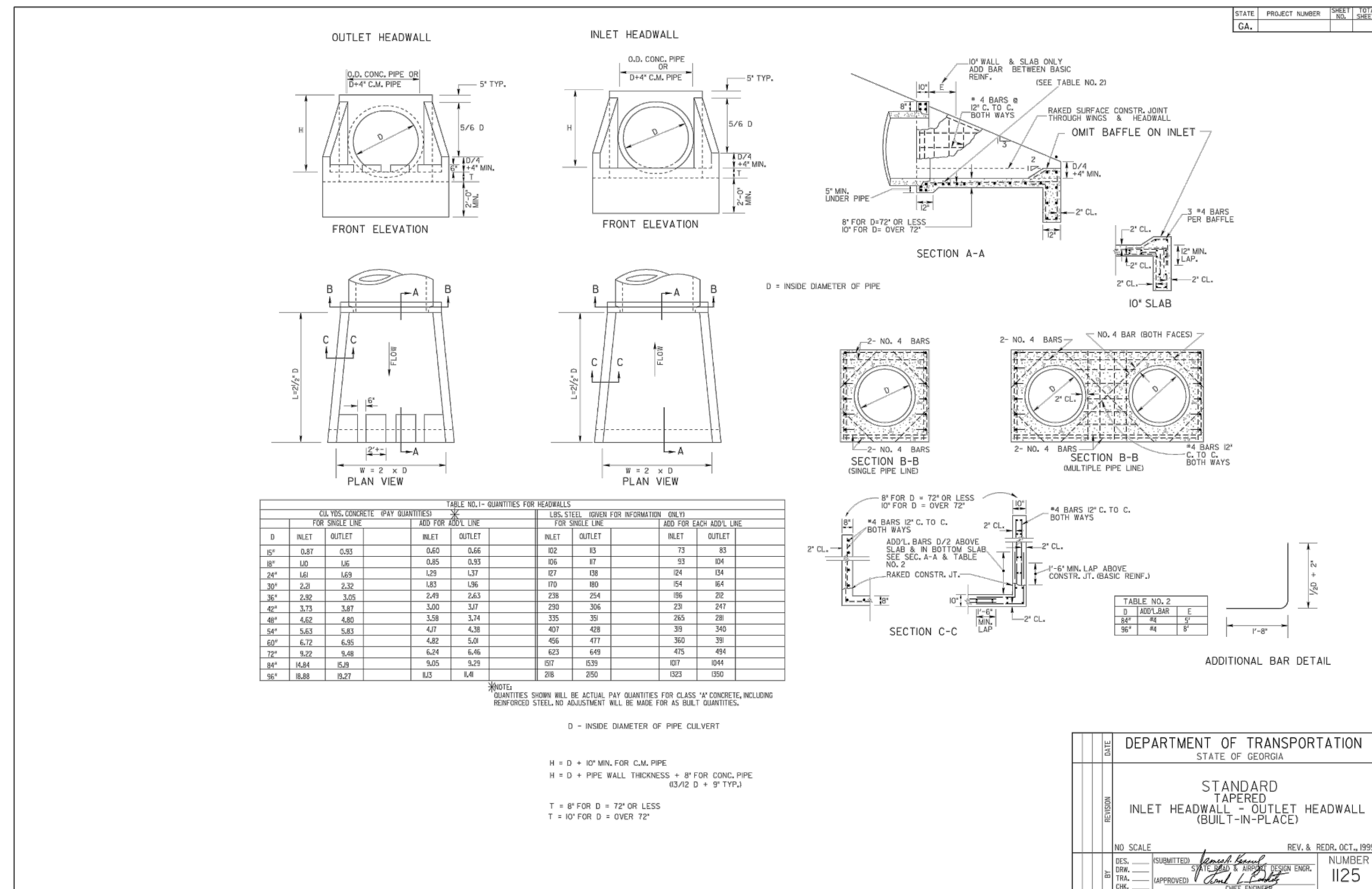
CIVIL

PIPE PROFILES

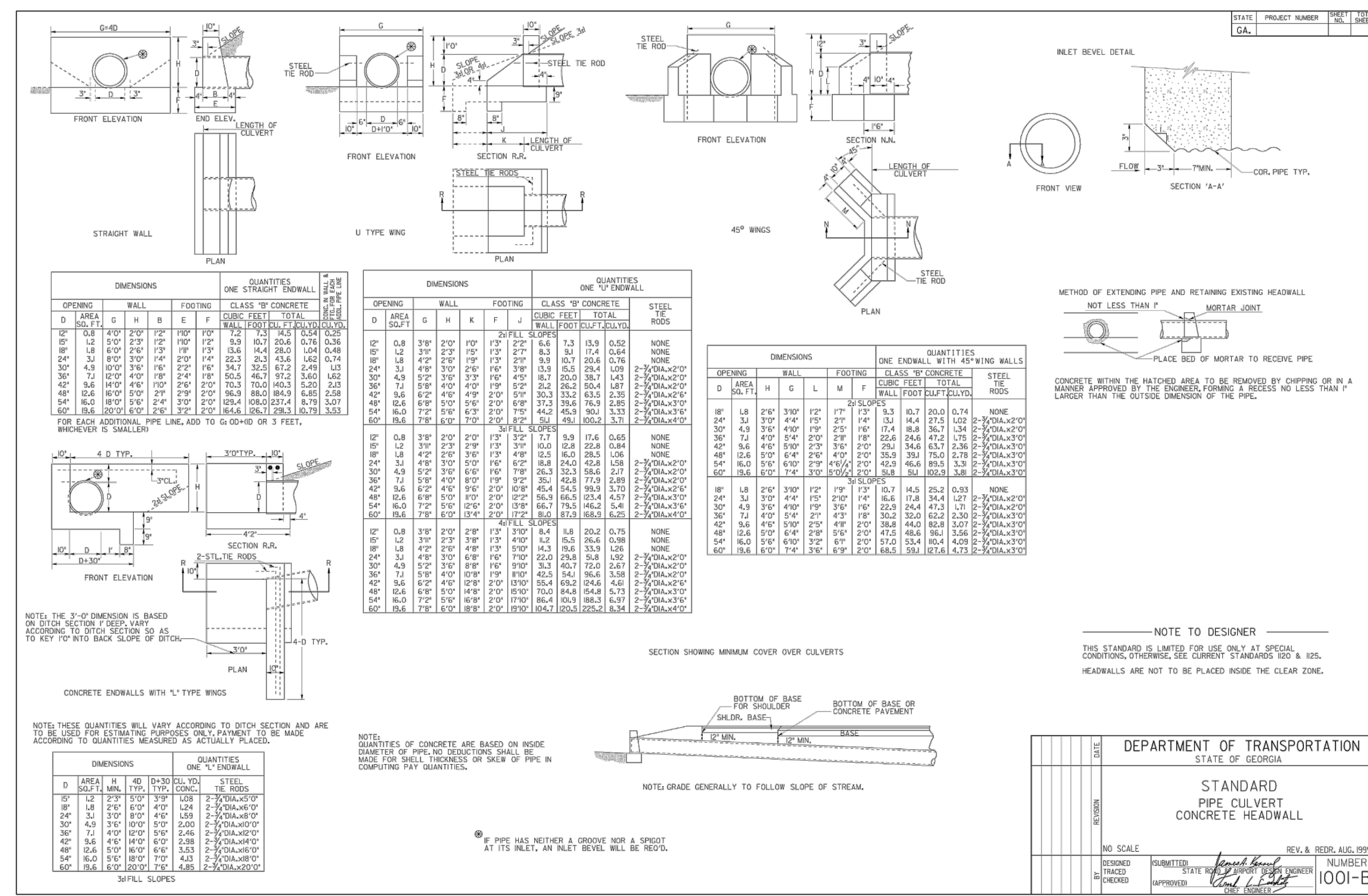
SCALE: AS SHOWN

C-05

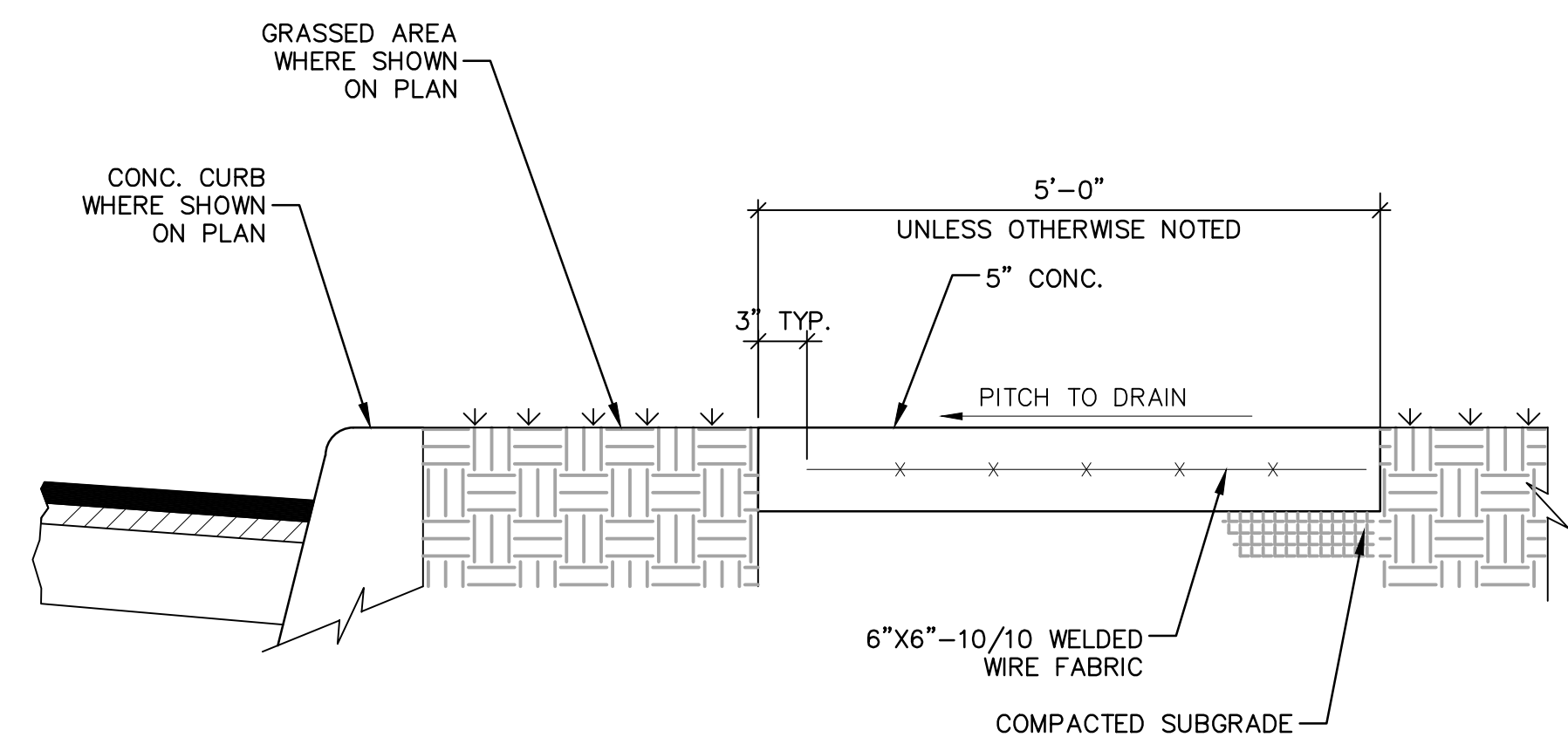
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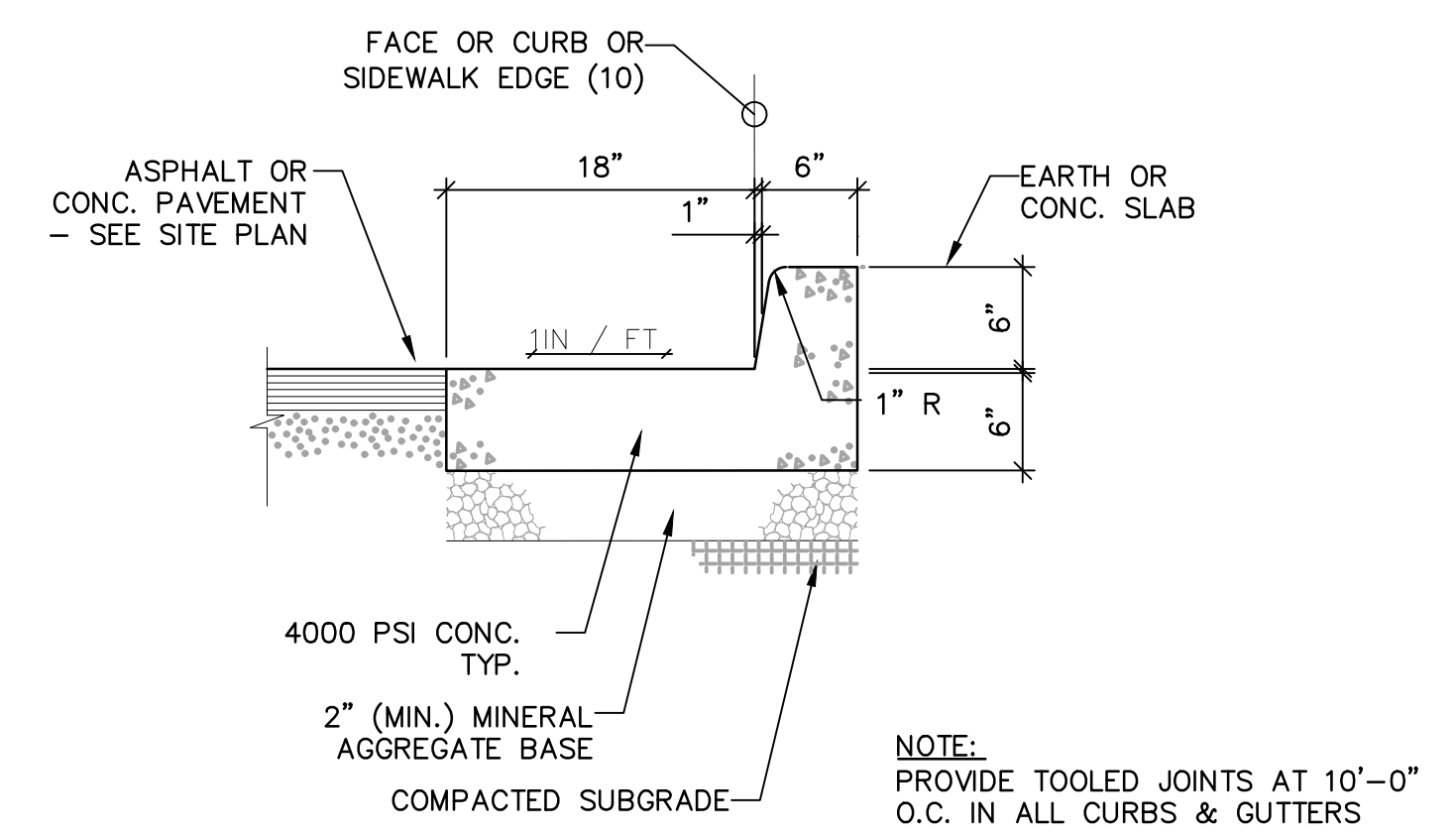
STANDARD PRECAST CONCRETE WINGED HEADWALL
NOT TO SCALE - GDOT DETAIL 1125



STANDARD PRECAST CONCRETE RECTANGULAR HEADWALL
NOT TO SCALE - GDOT DETAIL 1001B



TYPICAL CONCRETE SIDEWALK SECTION
NOT TO SCALE



CONCRETE CURB & GUTTER
NOT TO SCALE

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WHITFIELD COUNTY, GEORGIA
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PRATER ALLEY ABOVEGROUND OPTION

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PROJECT NO.: 30048235
FILE NAME:
DESIGNED BY: A. CARLSON
DRAWN BY: M. SMITH / A. DOTTL
CHECKED BY: R. GREUEL

SHEET TITLE
CIVIL
STANDARD DETAILS
(SHEET 1 OF 3)

SCALE: AS SHOWN

C-07

User:ACRMIN Spec:AUS-NSW003 File:ARCADIS-US\OFFICEDATA\CHATTANOOGA-TN\CADD\ACAD\PROJ\30048235 CITY OF DALTON - PRATER ALLEY SHEETS\PRATER ALLEY - ABOVEGROUND\C-10.DWG Scale:1:1 SavedDate:11/30/2023 Time:10:28 Plot Date: Dotti, Angela: 12/6/2023: 08:57 : Layout:13

ISSUED FOR CONSTRUCTION

SEALS

WHITFIELD COUNTY, GEORGIA
CITY OF DALTON

PRATER ALLEY
ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

NO.	DATE	ISSUED FOR CONSTRUCTION	ISSUED FOR	RG/TT	BY
1	12/23	CLIENT COMMENTS		RG/TT	
0	04/23	ISSUED FOR CONSTRUCTION		RG/TT	

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DATE: DECEMBER 2023

PROJECT NO.: 30048235

FILE NAME:

DESIGNED BY: A. CARLSON

DRAWN BY: M. SMITH / A. DOTTL

CHECKED BY: R. GREUEL

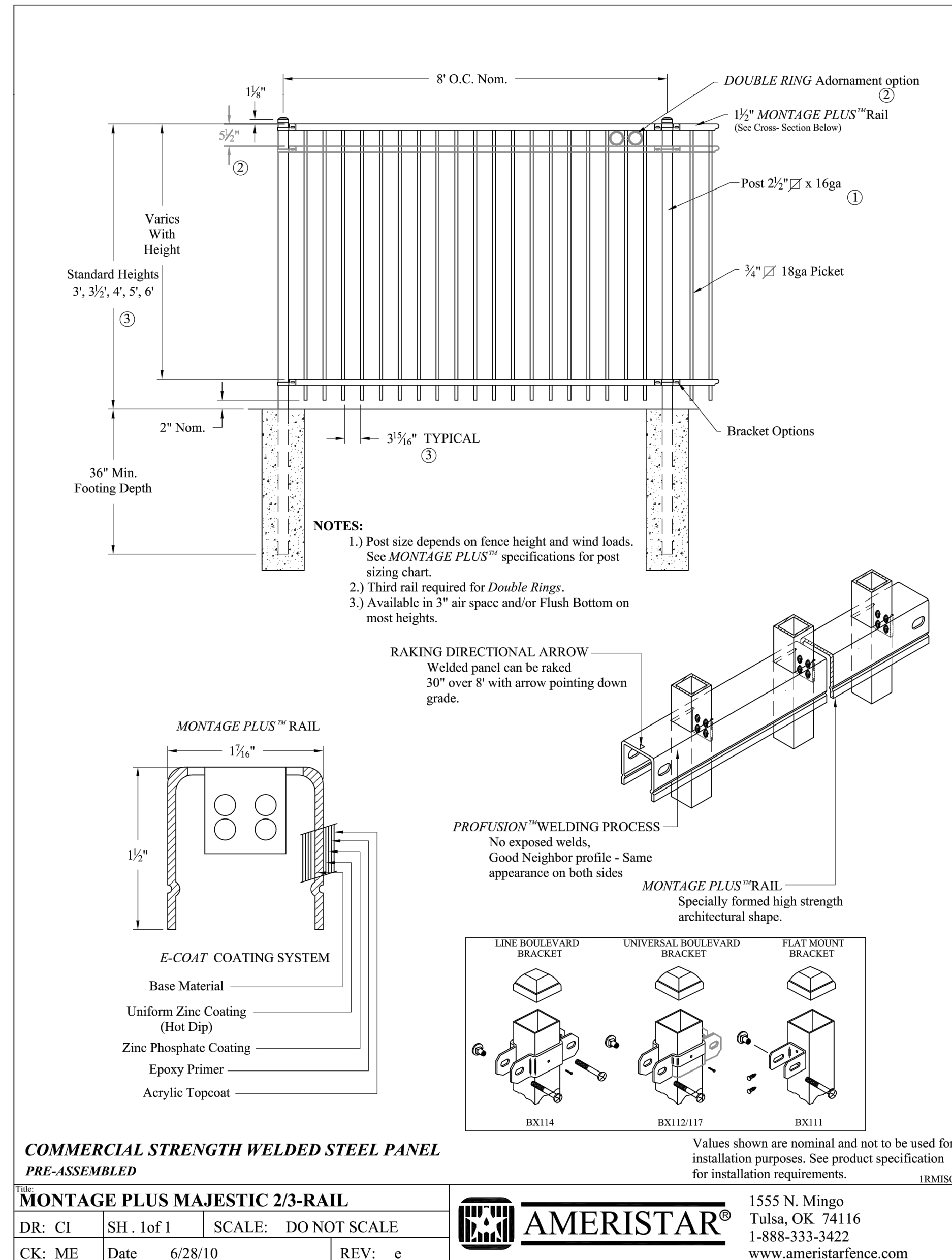
SHEET TITLE

CIVIL

STANDARD DETAILS
(SHEET 2 OF 3)

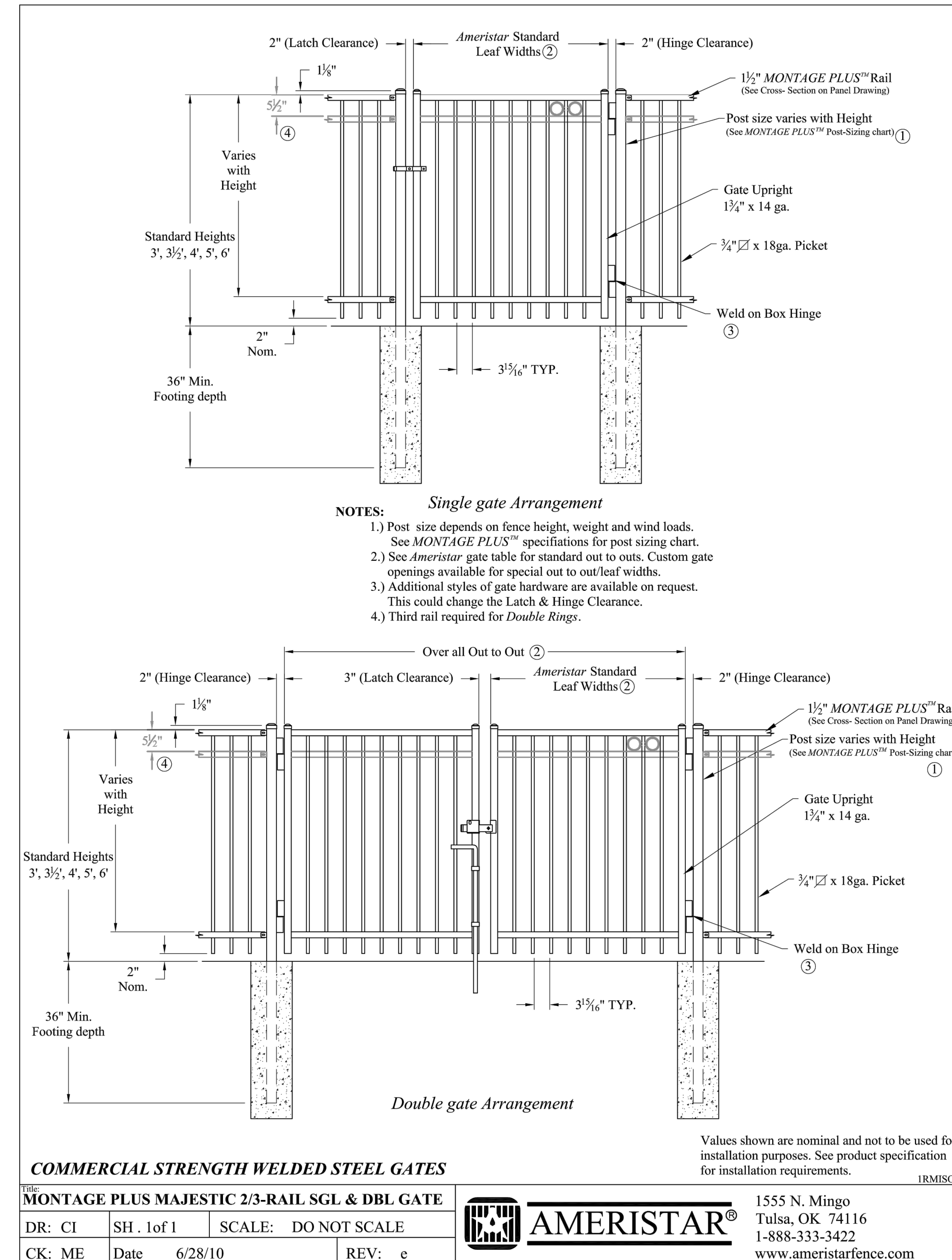
SCALE: AS SHOWN

C-08



OR APPROVED EQUAL

ORNAMENTAL FENCE DETAIL
NOT TO SCALE



OR APPROVED EQUAL

ORNAMENTAL FENCE GATE DETAIL
NOT TO SCALE

User: ACRMAIN Spec: AUS-NOSMOD File: \\ARCADIS\US\OFFICEDATA\CHATTANOOGA-TN\CADD\ACAD\PROJ\30048235\CITY OF DALTON - PRATER ALLEY\SHEETS\PRATER ALLEY - ABOVEGROUND\C-10.DWG Scale: 1:1 SavedDate: 11/30/2023 Time: 10:28 Plot Date: Dotti, Angela; 12/6/2023; 08:54 ; Layout: 14

Fence or Pedestrian Guard Connection Locations

Front View

Side View

Fence or pedestrian guard post

Embedment depth as required to resist overturning forces on appurtenance

Connection Option #1
Anchor into the top block.
• Consider block lengths when determining post spacing
• Weight of a single block available to resist overturning forces

Connection Option #2
Grout posts in v-shaped opening between top blocks.
• Spacing in multiples of 46 1/8 in (1172 mm)
• Weight of a 2 adjacent blocks available to resist overturning forces

Connection Option #3
Core through top block and grout posts in V-shaped opening between lower blocks.
• Spacing in multiples of 46 1/8 in (1172 mm)
• Weight of a 2 adjacent blocks on second level down and 3 top row blocks available to resist overturning forces

Top block (Width per design)

Block in second row down

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.

DRAWN BY: LBH	TITLE: Fence or Pedestrian Guard Connection Locations	
APPROVED BY: LBH		
DATE: 08-18-2023		
SHEET: 1 of 1	FILE: Fence or Pedestrian Guard Connection Locations 08182023.dwg	

Fence or Pedestrian Guard Connection Options

Grouted Connection (1 Block)

Grouted Connection (2 Blocks)

Flange Bolted Connection

Moment Slab Connection

These generic pedestrian guard and fence details show a few potential options for their installation on the top of a Redi-Rock retaining wall. It is the design engineer's responsibility to fully design and detail the connection of the guard posts to the retaining wall blocks and assure acceptable resistance to the applied forces. Redi-Rock blocks are plain concrete, without steel reinforcement.

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DRAWN BY: JRJ	TITLE: Fence or Pedestrian Guard Connection Options	
APPROVED BY: JRJ		
DATE: 06-22-2015		
SHEET: 1 of 1	FILE: 5 Fence or Pedestrian Guard Connection Options 062215.dwg	

Pipes Installed Perpendicular Through Wall

Plan View

Section View

Remove only the minimum number of blocks required to fit pipe through wall

Control joint (if needed)

Concrete collar (Cast-in-place around pipe)

Pipe protruding through wall (48" (1.22 m) diameter concrete pipe shown)

Use adequate measures to address scour, runoff, and other issues at base of wall

Leveling pad or lower courses of Redi-Rock blocks

Concrete collar (Cast-in-place around pipe)

Non-woven geotextile fabric (AASHTO M288 Survivability Class 1) 360° around pipe and behind collar

Pipe protruding through wall (48" (1.22 m) diameter concrete pipe shown)

Use adequate measures to address scour, runoff, and other issues at base of wall

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DRAWN BY: JRJ	TITLE: Pipes Installed Perpendicular Through Wall	
APPROVED BY: JRJ		
DATE: 06-22-2015		
SHEET: 1 of 1	FILE: 1 Pipe Installed Perpendicular Through Wall 062215.dwg	

Layout for Convex Curves and Radial Corners

Convex Layout (Outside Curve)

Concave Layout (Inside Curve)

Place stone in joint between adjacent blocks

When blocks become too closely spaced, place fabric across joint at back of blocks

Minimum radius for bottom row

Number of courses	Height of wall	Radius from face of block	Distance between blocks*
1	1'-6" (0.46 m)	14'-6" (4.42 m)	0.13" (3 mm)
2	3'-0" (0.91 m)	14'-8" (4.47 m)	0.21" (5 mm)
3	4'-6" (1.37 m)	14'-10" (4.52 m)	0.28" (7 mm)
4	6'-0" (1.83 m)	15'-0" (4.57 m)	0.36" (9 mm)
5	7'-6" (2.29 m)	15'-2" (4.62 m)	0.43" (11 mm)
6	9'-0" (2.74 m)	15'-4" (4.67 m)	0.50" (13 mm)
7	10'-6" (3.20 m)	15'-6" (4.72 m)	0.57" (15 mm)
8	12'-0" (3.66 m)	15'-8" (4.78 m)	0.63" (16 mm)
9	13'-6" (4.11 m)	15'-10" (4.83 m)	0.70" (18 mm)
10	15'-0" (4.57 m)	16'-0" (4.88 m)	0.76" (19 mm)
11	16'-6" (5.03 m)	16'-2" (4.93 m)	0.83" (21 mm)
12	18'-0" (5.49 m)	16'-4" (4.98 m)	0.88" (22 mm)
13	19'-6" (5.94 m)	16'-6" (5.03 m)	0.95" (24 mm)
14	21'-0" (6.40 m)	16'-8" (5.08 m)	1.01" (26 mm)

* Distance between blocks is measured at the back of 28" (710 mm) blocks and 24" (610 mm) behind the form parting line (back edge of face texture) for 41" (1030 mm) blocks. This distance is intended to be a guide only. Minimum radius is controlling.

14'-6" (4.42 m) is the minimum radius for Redi-Rock blocks. It occurs when all the blocks are placed tight together. A larger radius is required on the bottom row of a Redi-Rock wall to account for the batter between courses of blocks and still provide enough space to construct the top row of blocks.

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.

DRAWN BY: VAB	TITLE: Concave and Convex Curves Radial Corners Gravity Layout	
APPROVED BY: DLH		
DATE: 06-24-2021		
SHEET: 1 of 1	FILE: Radial Corners Layout 062215.dwg	

Typical XL Gravity Wall Section

Setback = 1 1/8" (41 mm) Standard blocks (5° Wall Batter Angle)

Top block

Grade to drain surface water away from wall

Redi-Rock standard blocks (Block widths vary with design)

Drainstone (AASHTO No. 57 or equivalent) to extend at least 12 inches (305 mm) behind standard blocks

RETAINED SOIL

Move blocks forward during installation to engage shear knobs (Typical)

Redi-Rock XL Blocks (Block widths vary with design)

Non-woven geotextile fabric at back of XL blocks and between drainstone and retained soil (if specified by Engineer based on site soil conditions)

Non-woven geotextile fabric between adjacent blocks at face (required)

Fill all void spaces in and between blocks with drainstone (AASHTO No. 57 or equivalent)

Gravity drain to outlet (as specified by Engineer)

Leveling pad (as specified by Engineer)

Exposed wall (Height varies with design)

Setback = 3 1/2" (83 mm) XL Block (5° Wall Batter Angle)

Bury depth (as specified by Engineer)

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.

DRAWN BY: NWL	TITLE: Typical Redi-Rock XL Block Wall Section	
APPROVED BY: JRJ		
DATE: 20APR2018		
SHEET: 1 of 1	FILE: Typical XL Section 041318.dwg	

NOTES:

- RETAINING WALL DETAILS PROVIDED FOR REFERENCE ONLY. CONTRACTOR TO ACQUIRE FINAL RETAINING WALL DRAWINGS AND DETAILS FROM THE APPROVED WALL DESIGNER.
- CONTRACTOR TO COORDINATE WALL AND FENCE CONNECTION TYPE WITH WALL DESIGNER.

ISSUED FOR CONSTRUCTION

SEALS

WHITFIELD COUNTY, GEORGIA
 CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

0	12/23	ISSUED FOR CONSTRUCTION	RG/TT
NO.	DATE	ISSUED FOR	BY

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DATE: DECEMBER 2023

PROJECT NO.: 30048235

FILE NAME:

DESIGNED BY: A. CARLSON

DRAWN BY: M. SMITH / A. DOTTL

CHECKED BY: R. GREUEL

SHEET TITLE

CIVIL

STANDARD DETAILS (SHEET 3 OF 3)

SCALE: AS SHOWN

C-09

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SEALS



GSWCC NO. 0000088369
EXPIRES 07/08/2025

WHITFIELD COUNTY, GEORGIA
CITY OF DALTON

PRATER ALLEY
ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

0	04/23	ISSUED FOR CONSTRUCTION	RG/TT
NO.	DATE	ISSUED FOR	BY

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DATE: APRIL 2023

PROJECT NO.: 30048235

FILE NAME:

DESIGNED BY: A. CARLSON

DRAWN BY: M. SMITH

CHECKED BY: R. GREUEL

SHEET TITLE

EROSION & SEDIMENT CONTROL

EROSION AND
SEDIMENT CONTROL
LEGEND AND NOTES

SCALE: AS SHOWN



Know what's below.
Call before you dig.

ESC-01

MANAGEMENT PLAN:

ALL EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY AND AFTER EVERY RAINFALL. REPAIRS SHALL BE MADE IMMEDIATELY TO PREVENT FURTHER DAMAGE AND EROSION. STRUCTURES THAT SHALL BE INSPECTED INCLUDE:

- SEDIMENT BARRIER** - SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. SEDIMENT BARRIERS SHALL BE REPLACED PER MANUFACTURER'S RECOMMENDATIONS OR THE HEIGHT OF THE PRODUCT IS NOT MAINTAINING 80% OF ITS PROPERLY INSTALLED HEIGHT.
- CHECK DAM** - SEDIMENT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF THE ORIGINAL DAM HEIGHT.
- STORM DRAIN OUTLET PROTECTION** - INSPECT RIPRAP STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.
- SLOPE STABILIZATION** - ALL EROSION CONTROL BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION. PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL THEY BECOME PERMANENTLY STABILIZED.
- TEMPORARY SEDIMENT TRAP** - REPAIR ALL DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORKING DAY. SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE SPECIFIED CLEANOUT ELEVATION. THE SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM FROM THE EMBANKMENT, ADJACENT TO A STREAM OR FLOODPLAIN.
- INLET SEDIMENT TRAP** - TRAP SHOULD BE CLEANED OUT AFTER HEAVY RAIN EVENTS. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP.
- SEEDING, FERTILIZING, AND MULCHING** - SEEDED AREAS SHALL BE INSPECTED FOR FAILURE AND NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY.
- STOCKPILES** - STOCKPILES SHALL BE CHECKED FOR EROSION AND STABILIZATION.
- CONSTRUCTION ENTRANCE/EXIT** - INSPECT CONSTRUCTION ROAD SURFACE DAILY. MAINTAIN WHEN NEEDED IN A CONDITION TO PREVENT SEDIMENT AND TOPSOIL FROM LEAVING THE SITE.
- DIVERSION** - INSPECT FOR ANY EROSION. REMOVE SEDIMENT WHEN SEDIMENT ACCUMULATES TO 4 INCHES.

SITE NOTES:

- PROJECT IS LOCATED IN WHITFIELD COUNTY WITHIN THE CITY OF DALTON, GEORGIA.
- PROJECT LATITUDE/LONGITUDE: 34 46'28.06"N 84 58' 17.14"W
- APPROXIMATE TOTAL DISTURBED ACREAGE OF THE PROJECT IS 0.96 ACRES.
- THE RECEIVING WATER FOR THIS PROJECT IS MILL CREEK.
- IT IS ANTICIPATED THAT THE PROJECT WILL NOT HAVE ANY BUFFER ENCROACHMENTS AND BUFFER VARIANCE WILL NOT BE REQUIRED.
- WETLAND CERTIFICATION:** THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING: 1) THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED; AND 2) THE APPROPRIATE PLAN SHEET [DEDS/PL] DOES NOT INDICATE AREAS OF UNITED STATES ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON THE MAPS; AND, 3) IF WETLANDS ARE INDICATED, THE LAND OWNER OR DEVELOPER HAS BEEN ADVISED THAT LAND DISTURBANCE OF PROTECTED WETLAND SHALL NOT OCCUR UNLESS THE APPROPRIATE FEDERAL WETLANDS ALTERATION (SECTION 404) PERMIT HAS BEEN OBTAINED.
- NO PORTION OF THIS SITE LIES WITHIN A SPECIAL FLOOD HAZARD ZONE "AE" OR "A". THE SITE LIES WITHIN THE FIRM MAPS OF THE WHITFIELD COUNTY FLOOD INSURANCE STUDY.
- THE PRE-DEVELOPMENT RUNOFF COEFFICIENT (CN) IS 86.1 AND THE POST-DEVELOPMENT RUNOFF COEFFICIENT IS 7.2.
- MAINTENANCE AND TRAFFIC:** THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL ROAD PERMITS FROM THE CITY OF DALTON DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION INCLUDING PROVIDING ANY RESTORATION BONDS. THE CONTRACTOR SHALL PROVIDE A DETAILED PHASED TRAFFIC CONTROL PLAN BASED ON THE PROPOSED WORK PHASING AS DETERMINED BY THE CONTRACTOR.
- PRIMARY PERMITTEE & 24-HOUR CONTACT TO BE DETERMINED UPON AWARD OF CONTRACT

EROSION CONTROL

- EROSION CONTROL PRACTICES MUST COMPLY WITH THE MINIMUM BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND SHALL COMPLY WITH THE STANDARDS/SPECIFICATIONS IN THE "MANUAL FOR EROSION CONTROL AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION.
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE.
- PERMANENT VEGETATION SHALL BE PLACED AT ALL AREAS GRADED TO FINAL GRADE IMMEDIATELY UPON COMPLETION. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING. DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS A TEMPORARY COVER (DS1). ON SLOPES THAT ARE 2:1 OR STEEPER, MULCH WILL BE ANCHORED.
- IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH THE HEIGHT TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.
- SEDIMENT / EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ANY ADDITIONAL EROSION CONTROL MEASURES AS DIRECTED BY THE GOVERNING JURISDICTION AND/OR THE ENGINEER.
- THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES AND ENSURE THAT THEY ARE PROPERLY FUNCTIONING PRIOR TO ANY LAND DISTURBANCE ACTIVITIES.
- AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ANY DISTURBED AREAS LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- BUILDING MATERIALS AND BUILDING PRODUCTS NOT IN USE SHALL BE COVERED BY HEAVY PLASTIC.

GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
	CHEEKDAM			A small temporary barrier or dam constructed across a wash, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A traveling constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation roads.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff across a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain, vista and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainages.
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, grove, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SUMMER			A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BEAM			A linear control device constructed as a diversion perpendicular to the direction of the runoff to enhance dissipation and infiltration of runoff while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slope left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or stacked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Vt	VEGETATED WATERWAY OR STORMDRAIN CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)			Planting vegetation on dunes that are denuded, artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM. SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (WOODING)			A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Cg	FLOCCULANTS AND COAGULANTS			Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING FLOW VEGETATION)			The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, stone lines, or channels.
Tac	TACKERS AND BINDERS			Substance used to anchor straw or hay much by causing the organic material to bind together.

CONSTRUCTION SEQUENCE:

1. FOR EACH STAGE OF CONSTRUCTION THE FOLLOWING SEQUENCE WILL APPLY:

- CONFIRM LOCATIONS OF AND CONSTRUCT/INSTALL INITIAL EROSION AND SEDIMENT CONTROL BMPs WITHIN THE LIMITS OF THE STAGE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. INITIAL EROSION AND SEDIMENT CONTROL BMPs SHALL INCLUDE THE FOLLOWING: CONSTRUCTION FENCING, TREE PROTECTION FENCING, SILT FENCING, INLET SEDIMENT TRAPS, SAND BAG SEDIMENT BARRIER, AND CONSTRUCTION ENTRANCES. ALL EROSION AND SEDIMENT CONTROL BMPs TO BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS.
- CLEAR AND GRUB TO THE LIMITS REQUIRED FOR CONSTRUCTION AND REMOVE EXISTING TREES INDICATED SHOWN ON THE PLANS.
- EXCAVATE TRENCHES FOR INSTALLATION OF THE STORM WATER MANAGEMENT SYSTEM. AS NECESSARY, CONSTRUCT PIPE DIVERSIONS TO DIVERT AND BYPASS RUNOFF FROM EXISTING SYSTEM.
- BEGIN INTERMEDIATE PHASE EXCAVATION AND GRADING ACTIVITIES AFTER ALL REQUIRED INITIAL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND CONSTRUCTED.
- BEGIN CONSTRUCTION OF STORM DRAINAGE INFRASTRUCTURE, UTILITY RELOCATIONS, CURB AND GUTTER, DRIVEWAYS, ROADWAYS, AND REMAINING STRUCTURES AS SHOWN ON PLANS. INSTALL INLET PROTECTION AS SHOWN ON PLANS.
- ESTABLISH FINISHED GRADES AT EARLIEST POSSIBLE DATE. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY VEGETATION AND MULCH IF LAND-DISTURBING ACTIVITIES CEASE FOR MORE THAN 14 CALENDAR DAYS IN ACCORDANCE WITH NPDES REQUIREMENTS. ONCE FINAL GRADES ARE ESTABLISHED, APPLY PERMANENT SOIL STABILIZATION IN ACCORDANCE WITH PLANS. ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- THE FOLLOWING SHALL APPLY AFTER ALL CONSTRUCTION STAGES ARE COMPLETE:
 - AFTER FINAL STABILIZATION FOR THE PROJECT AS DEFINED BY NPDES GAR100002 IS ACHIEVED, RETURN TO THE SITE AND REMOVE ALL TEMPORARY MEASURES INCLUDING SILT FENCES, SEDIMENT TRAPS, AND DIVERSIONS. INSTALL PERMANENT VEGETATION TO ALL AREAS (EXCEPT IMPERVIOUS SURFACES) DISTURBED BY THE TEMPORARY MEASURES.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES INCLUDING CONSTRUCTION FENCING, TREE PROTECTION FENCING, AND CONSTRUCTION ENTRANCES WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION.

PROJECT DESCRIPTION

THE EXISTING SITE INCLUDES AN ASPHALT PAVED PARKING LOT AND OPEN GREEN SPACE ADJACENT TO THE CITY OF DALTON CITY HALL.

THE PROPOSED STORMWATER DRAINAGE IMPROVEMENTS WILL ADDRESS FLOODING ISSUES. THE GOALS IS TO INCREASE THE CAPACITY OF DRAINAGE INFRASTRUCTURE TO REDUCE THE OCCURRENCE OF ROADWAY FLOODING. IMPROVEMENTS INCLUDE CONSTRUCTION OF DETENTION POND FOR STORMWATER DETENTION, AND AN INCREASE IN STORMWATER CONVEYANCE SYSTEM CAPACITY. THE INCREASE IN STORMWATER DETENTION STORAGE WILL REDUCE PEAK FLOWS OR CLOSELY MATCH EXISTING PEAK FLOWS DOWNSTREAM.

EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST INFRASTRUCTURE CONSTRUCTION PROJECTS



LEGAL ENTITY:
ARCADIS U.S., INC.
2839 PACES FERRY RD SUITE 900
ATLANTA, GA 30339
TEL: 770-431-8666
WWW.ARCADIS.COM

CONSULTANTS

**ISSUED FOR
CONSTRUCTION**

SEALS



GSWCC NO. 0000088369
EXPIRES 07/08/2025

WHITFIELD COUNTY, GEORGIA
CITY OF DALTON

**PRATER ALLEY
ABOVEGROUND OPTION**

ARCADIS PROJ. NO. 30048235

0	04/23	ISSUED FOR CONSTRUCTION	RG/TT
NO.	DATE	ISSUED FOR	BY

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2023

DATE: APRIL 2023
PROJECT NO.: 30048235
FILE NAME: _____
DESIGNED BY: A. CARLSON
DRAWN BY: M. SMITH
CHECKED BY: R. GREUEL

SHEET TITLE
EROSION & SEDIMENT CONTROL

**EROSION AND
SEDIMENT CONTROL
CHECKLIST**

SCALE: AS SHOWN

B ESC-02

SWCD: CITY OF DALTON

CITY/COUNTY: CITY OF DALTON/WHITFIELD COUNTY

NAME & EMAIL OF PERSON FILLING OUT CHECKLIST: TAYLOR TITTLE, taylor.tittle@arcadis.com

ADDRESS: PRATER ALLEY AND WAUGH ST.

DATE ON PLANS: APRIL 2023

TO BE SHOWN ON ES&PC PLAN

Plan SHEET No.	Included Y/N	
ESC-02	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. <i>(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)</i>
ESC-02	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. <i>(Signature, seal and level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)</i>
ESC-01	Y	3 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
ESC-01	Y	4 Provide the name, address, email address, and phone number of primary permittee.
ESC-01	Y	5 Note total and disturbed acreages of the project or phase under construction.
ESC-01	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
ALL	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
ESC-01	Y	8 Descriptions of the nature of construction activity and existing site conditions.
COVER	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
ESC-01	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
N/A	N/A	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
N/A	N/A	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit. *
N/A	N/A	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable. *
N/A	N/A	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit. *
ESC-01	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wretched vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
ESC-01	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
ESC-01	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
ESC-01	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
ESC-01	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
ESC-01	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
ESC-01	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N/A	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biotra Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N/A	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
N/A	N/A	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
ESC-01	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
N/A	N/A	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
ESC-01	Y	27 Description of practices to provide cover for building materials and building products on site. *
N/A	N/A	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *
ESC-01	Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).

N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

ESC-03 TO ESC-06	Y
ESC-03 TO ESC-06	Y

	N
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N/A	N/A
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ESC-03 TO ESC-06	Y
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ESC-03 TO ESC-06	Y
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ESC-02	Y
ESC-02	Y
ESC-01	Y

ESC-09	Y
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ESC-04	Y
ESC-03 TO ESC-06	Y
ESC-03	Y

ESC-05 TO ESC-07	Y
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ESC-08 & ESC-09	Y
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ESC-08 & ESC-09	Y
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- 30 Provide complete requirements of Inspections and record keeping by the primary permittee. *
- 31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
- 32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *
- 33 Description of analytical methods to be used to collect and analyze the samples from each location. *
- 34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
- 35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *
- 36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
- 37 Graphic scale and North arrow.
- 38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
- | | |
|-------------------|------------------------------------|
| Existing Contours | USGS 1":2000' Topographical Sheets |
| Proposed Contours | 1" : 400' Centerline Profile |
- 39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
- 40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
- 41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
- 42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
THERE ARE NO ON-SITE WETLANDS LOCATED WITHIN 200FT OF THE PROJECT SITE.
- 43 Delineation and acreage of contributing drainage basins on the project site.
- 44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
- 45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
- 46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
- 47 Soil series for the project site and their delineation.
- 48 The limits of disturbance for each phase of construction.
- 49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
- 50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
- 51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
- 52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.
- * If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

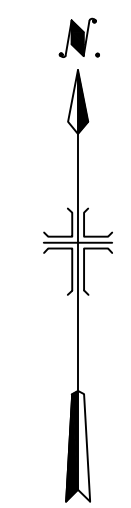
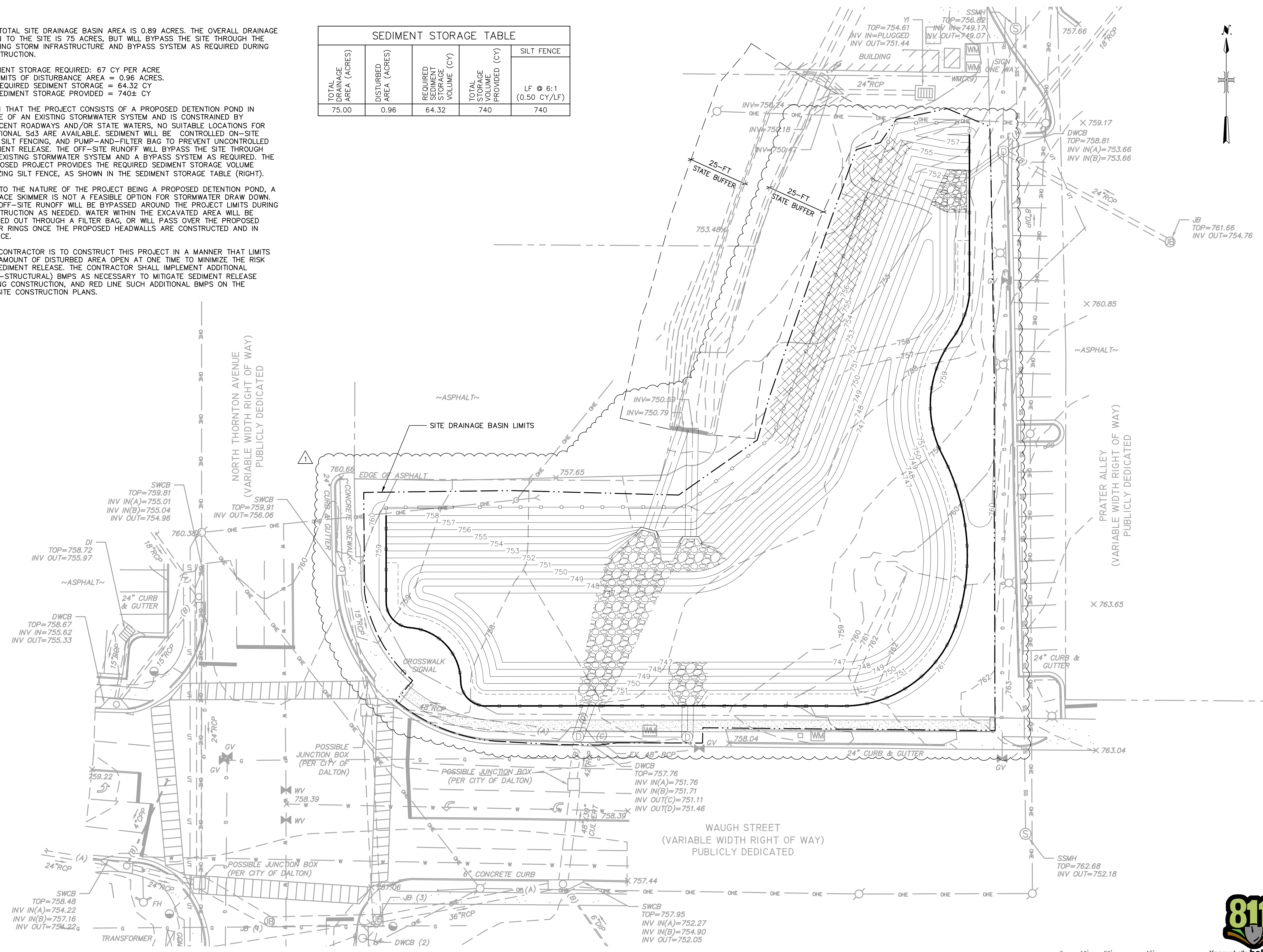
Effective January 1, 2023



User: ARCADIS-NSM\DWG File: \\ARCADIS-NSM\OFFICE\DATA\CHATTANOOGA-TN\CADD\ACAD\PROJ\30048235 CITY OF DALTON - PRATER ALLEY SHEETS\PRATER ALLEY - ABOVEGROUND\ESC-03.DWG Scale: 1:1 Saved Date: 12/15/2023 Time: 12:33:33 Plot Date: 12/15/2023 Title: 1628 - Layout: 16

- NOTES:**
- THE TOTAL SITE DRAINAGE BASIN AREA IS 0.89 ACRES. THE OVERALL DRAINAGE BASIN TO THE SITE IS 75 ACRES, BUT WILL BYPASS THE SITE THROUGH THE EXISTING STORM INFRASTRUCTURE AND BYPASS SYSTEM AS REQUIRED DURING CONSTRUCTION.
 - SEDIMENT STORAGE REQUIRED: 67 CY PER ACRE
 - LIMITS OF DISTURBANCE AREA = 0.96 ACRES.
 - REQUIRED SEDIMENT STORAGE = 64.32 CY
 - SEDIMENT STORAGE PROVIDED = 740± CY
 - GIVEN THAT THE PROJECT CONSISTS OF A PROPOSED DETENTION POND IN PLACE OF AN EXISTING STORMWATER SYSTEM AND IS CONSTRAINED BY ADJACENT ROADWAYS AND/OR STATE WATERS, NO SUITABLE LOCATIONS FOR ADDITIONAL S&S ARE AVAILABLE. SEDIMENT WILL BE CONTROLLED ON-SITE WITH SILT FENCING, AND PUMP-AND-FILTER BAG TO PREVENT UNCONTROLLED SEDIMENT RELEASE. THE OFF-SITE RUNOFF WILL BYPASS THE SITE THROUGH THE EXISTING STORMWATER SYSTEM AND A BYPASS SYSTEM AS REQUIRED. THE PROPOSED PROJECT PROVIDES THE REQUIRED SEDIMENT STORAGE VOLUME UTILIZING SILT FENCE, AS SHOWN IN THE SEDIMENT STORAGE TABLE (RIGHT).
 - DUE TO THE NATURE OF THE PROJECT BEING A PROPOSED DETENTION POND, A SURFACE SKIMMER IS NOT A FEASIBLE OPTION FOR STORMWATER DRAW DOWN. THE OFF-SITE RUNOFF WILL BE BYPASSED AROUND THE PROJECT LIMITS DURING CONSTRUCTION AS NEEDED. WATER WITHIN THE EXCAVATED AREA WILL BE PUMPED OUT THROUGH A FILTER BAG, OR WILL PASS OVER THE PROPOSED FILTER RINGS ONCE THE PROPOSED HEADWALLS ARE CONSTRUCTED AND IN SERVICE.
 - THE CONTRACTOR IS TO CONSTRUCT THIS PROJECT IN A MANNER THAT LIMITS THE AMOUNT OF DISTURBED AREA OPEN AT ONE TIME TO MINIMIZE THE RISK OF SEDIMENT RELEASE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL (NON-STRUCTURAL) BMPs AS NECESSARY TO MITIGATE SEDIMENT RELEASE DURING CONSTRUCTION, AND RED LINE SUCH ADDITIONAL BMPs ON THE ON-SITE CONSTRUCTION PLANS.

SEDIMENT STORAGE TABLE				
TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (CY)	TOTAL STORAGE VOLUME PROVIDED (CY)	SILT FENCE
75.00	0.96	64.32	740	LF @ 6:1 (0.50 CY/LF)



CONSULTANTS

ISSUED FOR CONSTRUCTION

SEALS

GSWCC NO. 0000088369
 EXPIRES 07/08/2025

WHITFIELD COUNTY, GEORGIA
 CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

NO.	DATE	ISSUED FOR	BY
1	12/23	CLIENT COMMENTS	RG/TT
0	04/23	ISSUED FOR CONSTRUCTION	RG/TT

COPYRIGHT: ARCADIS U.S., INC. 2023

DATE: DECEMBER 2023

PROJECT NO.: 30048235

FILE NAME:

DESIGNED BY: A. CARLSON

DRAWN BY: M. SMITH / A. DOTTL

CHECKED BY: R. GREUEL

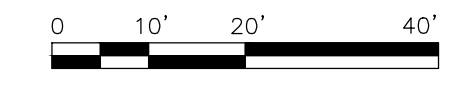
SHEET TITLE

EROSION & SEDIMENT CONTROL

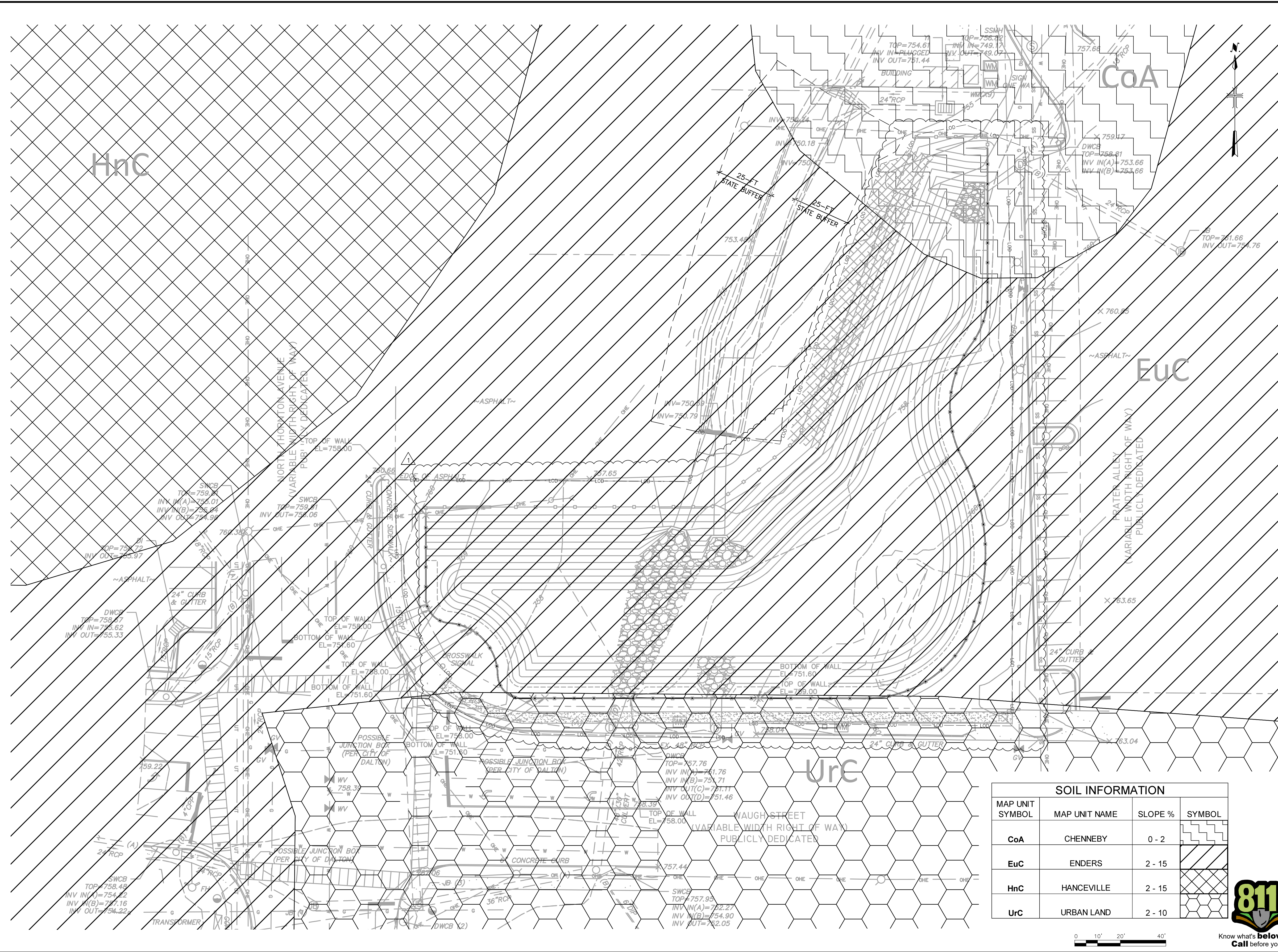
SEDIMENT STORAGE PLAN

SCALE: AS SHOWN

ESC-03



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ISSUED FOR CONSTRUCTION

SEALS

 GSWCC NO. 0000088369
 EXPIRES 07/08/2025

WHITFIELD COUNTY, GEORGIA
 CITY OF DALTON
PRATER ALLEY ABOVEGROUND OPTION

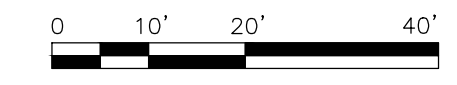
ARCADIS PROJ. NO. 30048235

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 PROJECT NO.: 30048235
 FILE NAME:
 DESIGNED BY: A. CARLSON
 DRAWN BY: M. SMITH / A. DOTTL
 CHECKED BY: R. GREUEL

SHEET TITLE
EROSION & SEDIMENT CONTROL SOIL MAP
 SCALE: AS SHOWN
ESC-04

MAP UNIT SYMBOL	MAP UNIT NAME	SLOPE %	SYMBOL
CoA	CHENNEBY	0 - 2	
EuC	ENDERS	2 - 15	
HnC	HANCEVILLE	2 - 15	
UrC	URBAN LAND	2 - 10	



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GSWCC NO. 0000088369
EXPIRES 07/08/2025

WHITFIELD COUNTY, GEORGIA
CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

O NO.	04/23	ISSUED FOR CONSTRUCTION	RG/TT

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DATE: APRIL 2023
PROJECT NO.: 30048235
FILE NAME:
DESIGNED BY: A. CARLSON
DRAWN BY: M. SMITH
CHECKED BY: R. GREUEL

SHEET TITLE
EROSION & SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL - INITIAL PHASE

SCALE: AS SHOWN

ESC-05

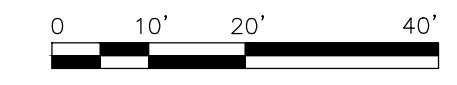
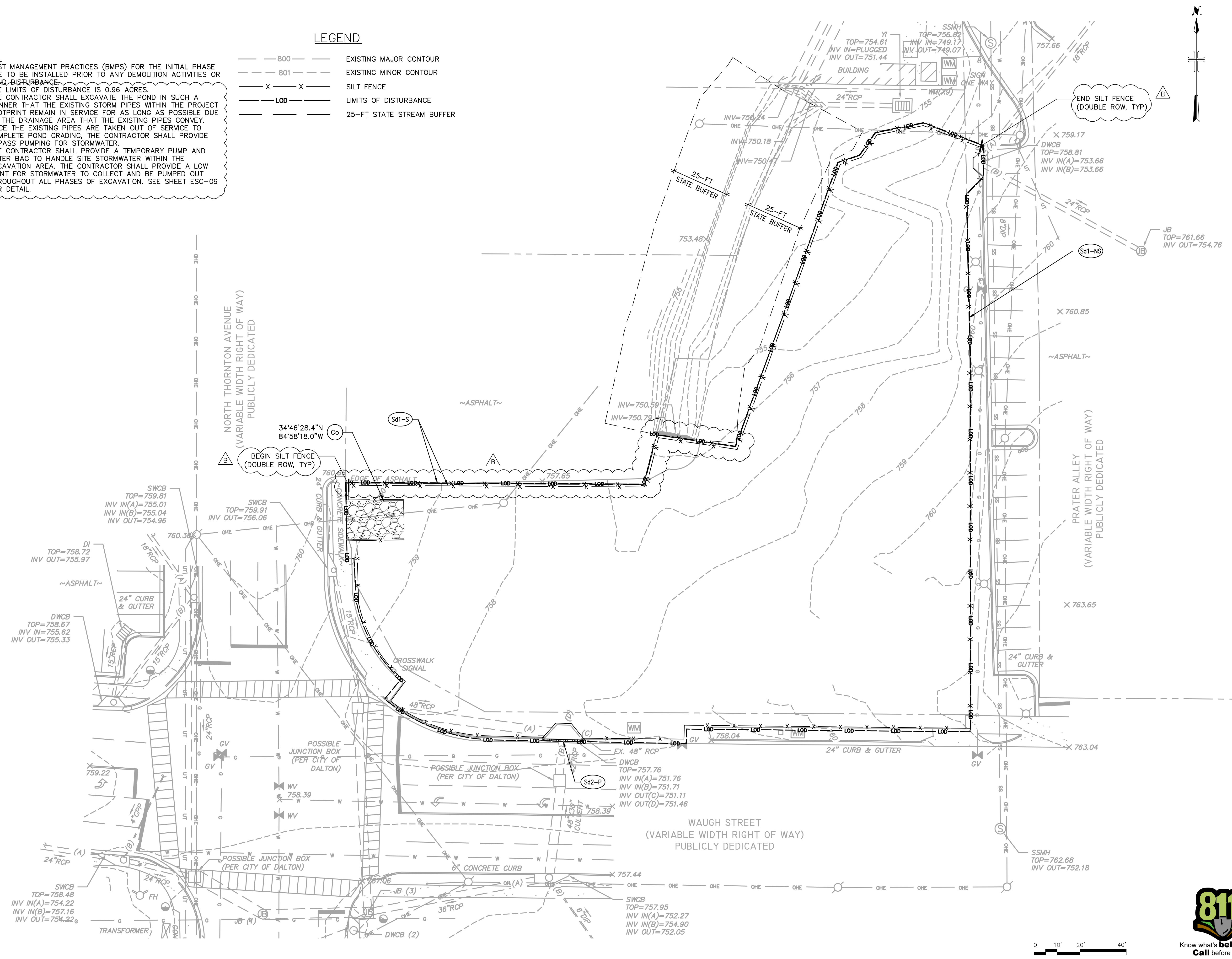
LEGEND

- 800 — EXISTING MAJOR CONTOUR
- 801 — EXISTING MINOR CONTOUR
- X - X - SILT FENCE
- LOD — LIMITS OF DISTURBANCE
- — — 25-FT STATE STREAM BUFFER

NOTES:

1. BEST MANAGEMENT PRACTICES (BMPs) FOR THE INITIAL PHASE ARE TO BE INSTALLED PRIOR TO ANY DEMOLITION ACTIVITIES OR LAND DISTURBANCE.
2. THE LIMITS OF DISTURBANCE IS 0.96 ACRES.
3. THE CONTRACTOR SHALL EXCAVATE THE POND IN SUCH A MANNER THAT THE EXISTING STORM PIPES WITHIN THE PROJECT FOOTPRINT REMAIN IN SERVICE FOR AS LONG AS POSSIBLE DUE TO THE DRAINAGE AREA THAT THE EXISTING PIPES CONVEY. ONCE THE EXISTING PIPES ARE TAKEN OUT OF SERVICE TO COMPLETE POND GRADING, THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING FOR STORMWATER.
4. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PUMP AND FILTER BAG TO HANDLE SITE STORMWATER WITHIN THE EXCAVATION AREA. THE CONTRACTOR SHALL PROVIDE A LOW POINT FOR STORMWATER TO COLLECT AND BE PUMPED OUT THROUGHOUT ALL PHASES OF EXCAVATION. SEE SHEET ESC-09 FOR DETAIL.

User:MSMITH, Spec:AUS-NSM00, File:H:\CADD\ACAD\PROJ\30048235 CITY OF DALTON - PRATER ALLEY SHEETS\PRATER ALLEY - ABOVEGROUND\ESC-05.DWG, Scale:1:1, SavedDate:4/5/2023, Time:20:10, Plot Date: Smith, Madison: 4/5/2023, 20:20, Layout: B



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EROSION CONTROL NOTES:

Du THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL GUIDELINES AS SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.

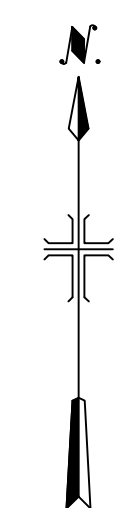
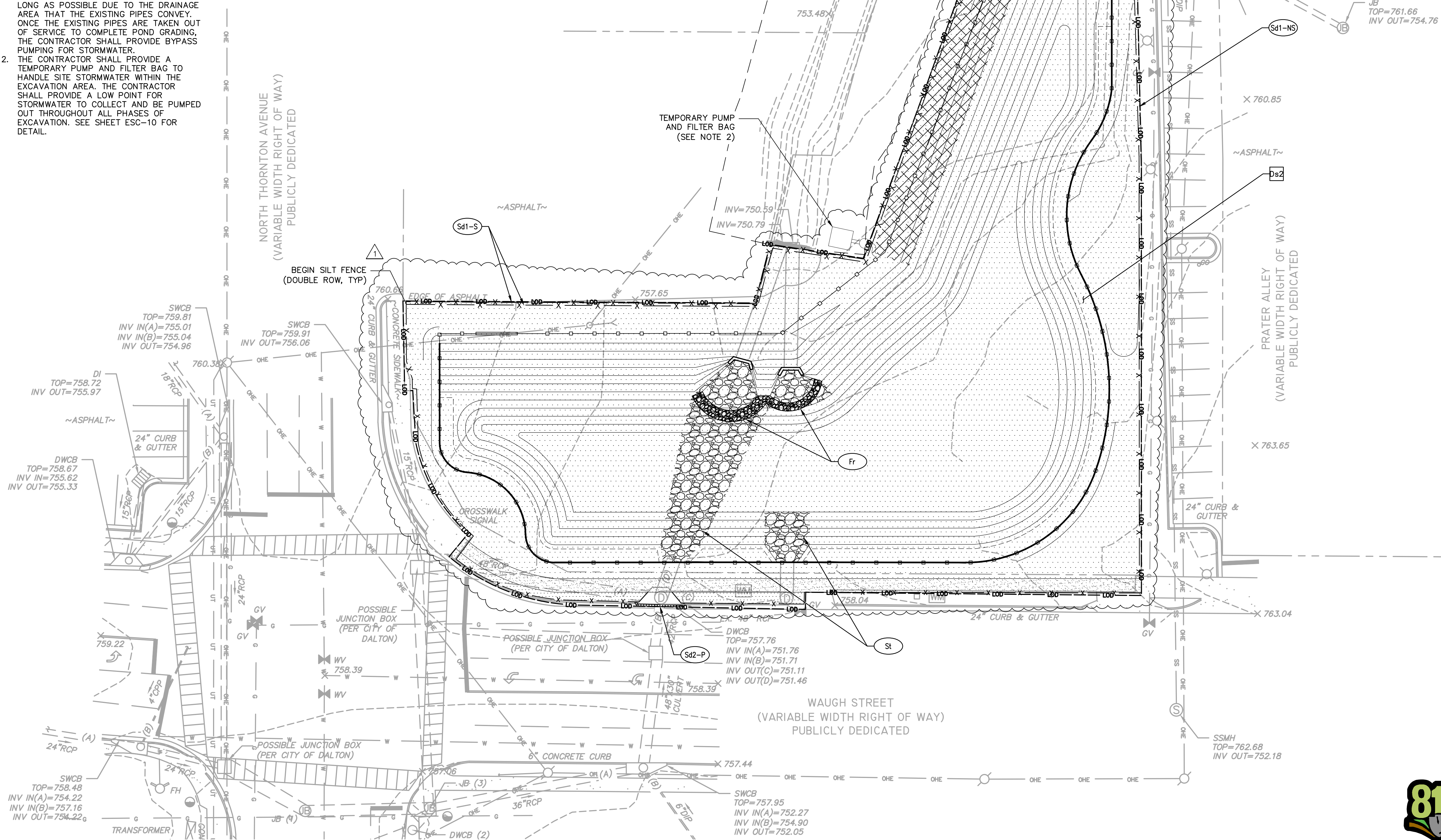
Ds2Ds3Ds4 ALL NON IMPERVIOUS DISTURBED AREAS TO BE STABILIZED USING TEMPORARY/PERMANENT STABILIZATION PRACTICES (TYPICAL). ALL TEMPORARY/PERMANENT STABILIZATION PRACTICES ARE TO BE IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.

NOTES:

1. THE CONTRACTOR SHALL EXCAVATE THE POND IN SUCH A MANNER THAT THE EXISTING STORM PIPES WITHIN THE PROJECT FOOTPRINT REMAIN IN SERVICE FOR AS LONG AS POSSIBLE DUE TO THE DRAINAGE AREA THAT THE EXISTING PIPES CONVEY. ONCE THE EXISTING PIPES ARE TAKEN OUT OF SERVICE TO COMPLETE POND GRADING, THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING FOR STORMWATER.
2. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PUMP AND FILTER BAG TO HANDLE SITE STORMWATER WITHIN THE EXCAVATION AREA. THE CONTRACTOR SHALL PROVIDE A LOW POINT FOR STORMWATER TO COLLECT AND BE PUMPED OUT THROUGHOUT ALL PHASES OF EXCAVATION. SEE SHEET ESC-10 FOR DETAIL.

LEGEND

- 800 — EXISTING MAJOR CONTOUR
- 801 — EXISTING MINOR CONTOUR
- X - X - SILT FENCE
- LOD — LIMITS OF DISTURBANCE
- 25-FT — 25-FT STATE STREAM BUFFER
- [Dotted Pattern] TEMPORARY SEEDING



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 EXPIRES 07/08/2025

WHITFIELD COUNTY, GEORGIA
 CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

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CHECKED BY: R. GREUEL

SHEET TITLE

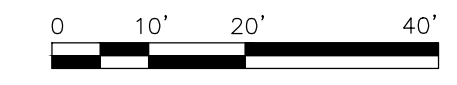
EROSION & SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL

INTERMEDIATE PHASE

SCALE: AS SHOWN

ESC-06



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EROSION CONTROL NOTES:

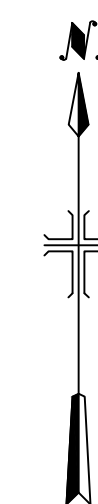
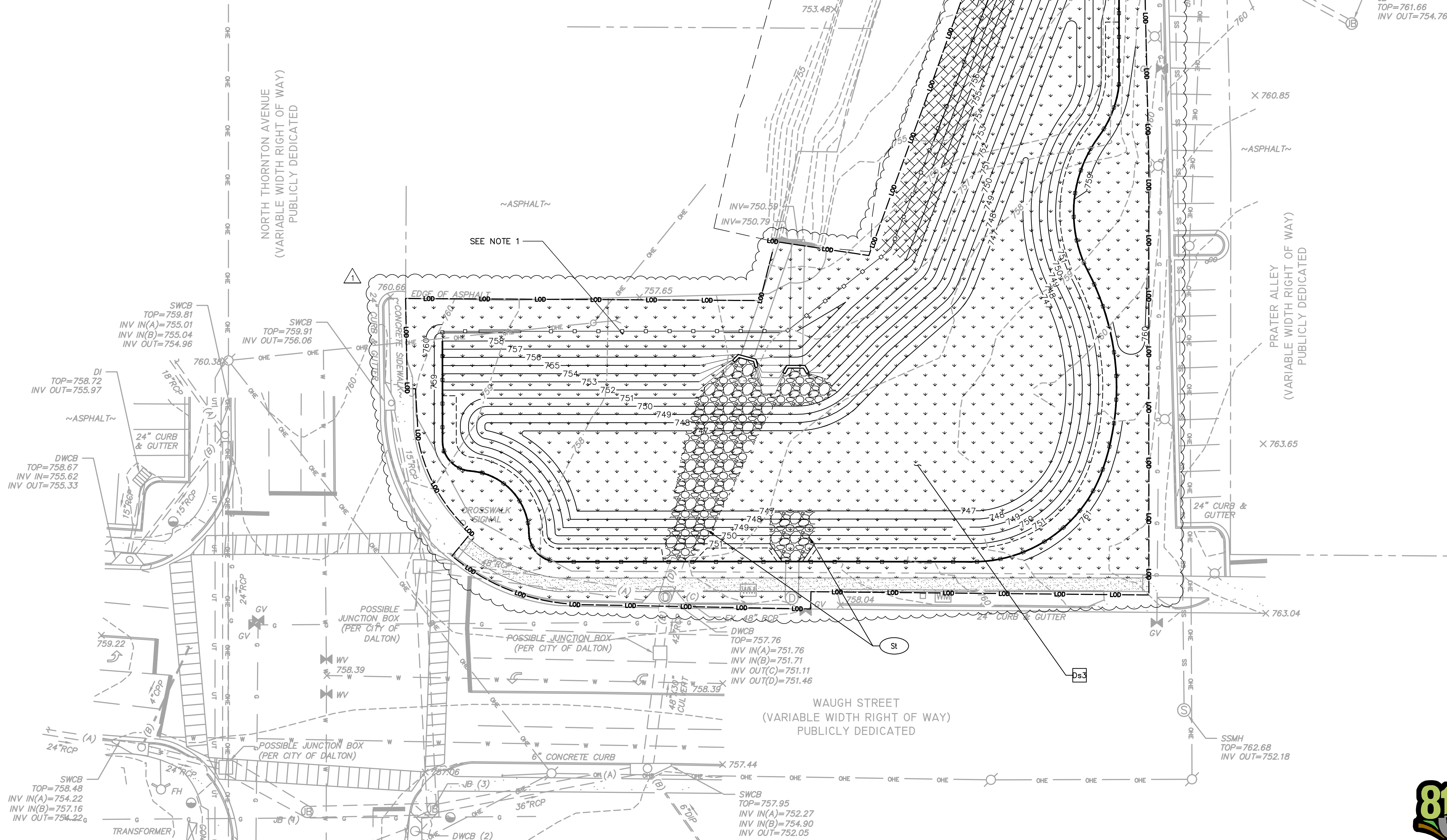
- Du THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL GUIDELINES AS SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
- Ds2Ds3Ds4 ALL NON IMPERVIOUS DISTURBED AREAS TO BE STABILIZED USING TEMPORARY/PERMANENT STABILIZATION PRACTICES (TYPICAL). ALL TEMPORARY/PERMANENT STABILIZATION PRACTICES ARE TO BE IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.

NOTES:

1. ALL AREAS ABOVE POND FREEBOARD SHALL BE BERMUDA SOD.

LEGEND

- 800 EXISTING MAJOR CONTOUR
- 801 EXISTING MINOR CONTOUR
- 800 PROPOSED MAJOR CONTOUR
- 801 PROPOSED MINOR CONTOUR
- LOD LIMITS OF DISTURBANCE
- 25-FT STATE STREAM BUFFER
- PERMANENT SEEDING



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WHITFIELD COUNTY, GEORGIA
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PRATER ALLEY ABOVEGROUND OPTION

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DESIGNED BY: A. CARLSON

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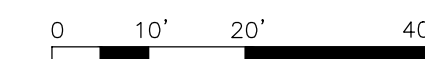
SHEET TITLE

EROSION & SEDIMENT CONTROL

**EROSION AND SEDIMENT CONTROL
 -
 FINAL PHASE**

SCALE: AS SHOWN

ESC-07



SEEDING SCHEDULE TEMPORARY COVER

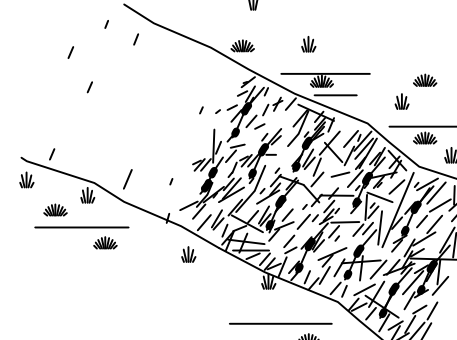
SPECIES	BROADCAST RATES - PLS PER ACRE	BROADCAST RATES - PLS PER 1000 SQ. FT.	RESOURCE AREA'S	PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATED PERMISSIBLE BUT MARGINAL DATES.)
BARLEY (HORDEUM VULGARE) ALONE IN MIXTURES	3 BU. (144 LBS.)	3.3 LB.	M-L P C	██████████ ██████████ ██████████
	40 LBS.	0.9 LB.	M-L P C	██████████ ██████████ ██████████
	10 LBS.	0.2 LB.	M-L P C	██████████ ██████████ ██████████
LESPEDZA, ANNUAL (LESPEDZA STRATA) ALONE IN MIXTURES	40 LBS.	0.9 LB.	M-L P C	██████████ ██████████ ██████████
	4 LBS.	0.1 LB.	M-L P C	██████████ ██████████ ██████████
	2 LBS.	0.05 LB.	M-L P C	██████████ ██████████ ██████████
MILLET, BROWNTOP (Panicum fasciculatum) ALONE IN MIXTURES	40 LBS.	0.9 LB.	M-L P C	██████████ ██████████ ██████████
	40 LBS.	0.9 LB.	M-L P C	██████████ ██████████ ██████████
	50 LBS.	1.1 LB.	M-L P C	██████████ ██████████ ██████████
OATS (AVENA SATIVA) ALONE IN MIXTURES	4 BU. (128 LBS.)	2.9 LB.	M-L P C	██████████ ██████████ ██████████
	3 BU. (168 LBS.)	3.9 LB.	M-L P C	██████████ ██████████ ██████████
	1 BU. (32 LBS.)	0.7 LB.	M-L P C	██████████ ██████████ ██████████
RYE (SECALE CEREALE) ALONE IN MIXTURES	3 BU. (168 LBS.)	3.9 LB.	M-L P C	██████████ ██████████ ██████████
	3 BU. (144 LBS.)	3.3 LB.	M-L P C	██████████ ██████████ ██████████
	1/2 BU. (28 LBS.)	0.6 LB.	M-L P C	██████████ ██████████ ██████████
TRITICALE (X-TriticosecALE) ALONE IN MIXTURES	3 BU. (144 LBS.)	3.3 LB.	M-L P C	██████████ ██████████ ██████████
	40 LBS.	0.9 LB.	M-L P C	██████████ ██████████ ██████████
	60 LBS.	1.4 LB.	M-L P C	██████████ ██████████ ██████████
WHEAT (TRITICUM AESTIVUM) ALONE IN MIXTURES	3 BU. (180 LBS.)	4.1 LB.	M-L P C	██████████ ██████████ ██████████
	3 BU. (180 LBS.)	4.1 LB.	M-L P C	██████████ ██████████ ██████████
	1/2 BU. (30 LBS.)	0.7 LB.	M-L P C	██████████ ██████████ ██████████

LIME: APPLY AT A RATE OF ONE TON PER ACRE
FERTILIZER: APPLY 500-700 POUNDS OF 10-10-10 OR EQUIVALENT PER ACRE

FERTILIZER REQUIREMENTS PERMANENT COVER

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST	6-12-12	1500 lbs./AC.	50-100 lbs./AC. 1/2/
	SECOND	6-12-12	1000 lbs./AC.	---
	MAINTENANCE	10-10-10	400 lbs./AC.	30 lbs./AC.
2. COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500 lbs./AC.	0-50 lbs./AC. 1/
	SECOND	10-10-10	1000 lbs./AC.	---
	MAINTENANCE	10-10-10	400 lbs./AC.	---
3. GROUND COVERS	FIRST	10-10-10	1300 lbs./AC. 3/	---
	SECOND	10-10-10	1300 lbs./AC. 3/	---
	MAINTENANCE	10-10-10	1100 lbs./AC.	---
4. PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLETT PER SEEDLING PLACED IN THE CLOSING HOLE	---
5. SHRU LESPEDEZA	FIRST	0-10-10	700 lbs./AC.	---
	MAINTENANCE	0-10-10	700 lbs./AC. 4/	---
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 lbs./AC.	30 lbs./AC. 5/
7. WARM SEASON GRASSES	FIRST	6-12-12	1500 lbs./AC.	50-100 lbs./AC. 2/6/
	SECOND	6-12-12	800 lbs./AC.	50-100 lbs./AC. 2/
	MAINTENANCE	10-10-10	400 lbs./AC.	30 lbs./AC.
8. WARM SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500 lbs./AC.	50 lbs./AC. 6/
	SECOND	0-10-10	1000 lbs./AC.	---
	MAINTENANCE	0-10-10	400 lbs./AC.	---

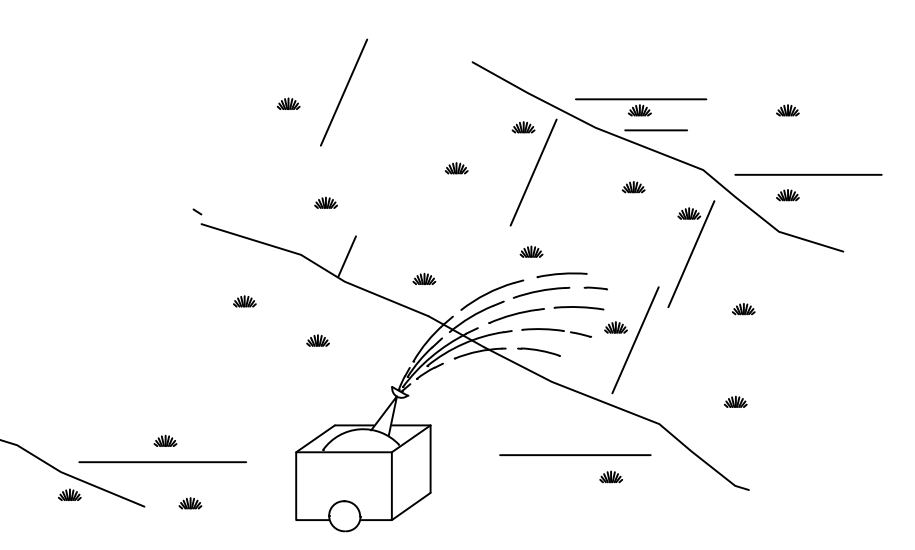
- LIME: APPLY AT A RATE OF ONE TON PER ACRE
- APPLY IN SPRING FOLLOWING SEEDING.
 - APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
 - APPLY IN 3 SPLIT APPLICATIONS.
 - APPLY WHEN PLANTS ARE PRUNED.
 - APPLY TO GRASS SPECIES ONLY.
 - APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.



ESTABLISHING A TEMPORARY PROTECTION FOR DISTURBED AREAS USING SPECIFIC MULCH MATERIALS.

- MULCH MATERIALS SHALL CONSIST OF DRY STRAW OR HAY AT 2.5 TONS PER ACRE, WOOD CHIPS AT 6 TO 9 TONS PER ACRE, EROSION CONTROL MATTING OR NETTING, OR POLYETHYLENE FILM.
- THIS STANDARD APPLIED TO GRADES OR CLEARED AREAS WHICH MAY BE SUBJECTED TO EROSION CONTROL FOR 6 MONTHS OR LESS, AND CAN BE STABILIZED WITH A MULCH COVER.

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING)



ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS.

- < 12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATION.
- SITE PREPARATION:
 - GRADING AND SHAPING
 - SEEDBED PREPARATION
 - APPLY LIME AND FERTILIZER
 - PLANT SEEDINGS, SELECT SPECIES BY SEASON AND REGION
 - APPLY MULCHING MATERIAL IF NEEDED
 - IRRIGATE IF NEEDED BUT NOT @ RATE TO CAUSE EROSION
- PLANTING DATES DEPEND ON SPECIES AND REGION (MOUNTAIN, PIEDMONT OR COASTAL)

NOTES: CONTRACTOR SHALL STABILIZE ALL AREAS WITH TEMPORARY VEGETATION THAT ARE TO BE EXPOSED WITHOUT STORM WATER PROTECTION FOR LONGER THAN 7 DAYS.

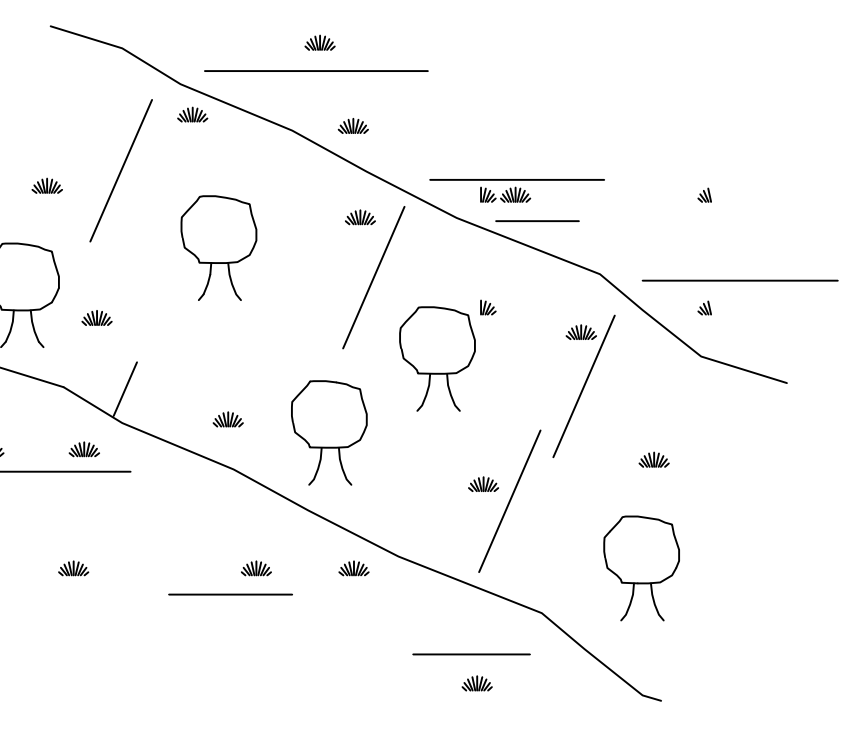
Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)

SEEDING SCHEDULE PERMANENT COVER

SPECIES	BROADCAST RATES - PLS PER ACRE	BROADCAST RATES - PLS PER 1000 SQ. FT.	RESOURCE AREA'S	PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATED PERMISSIBLE BUT MARGINAL DATES.)
BERMUDA, SPRIGS (CYNODON DACTYLON) COASTAL COMMON OR TIFT 44	40 CU. FT. OR SOO PELLETS 3'x3'	0.9 CU. FT.	M-L P C	██████████ ██████████ ██████████
	10 LBS.	0.2 LB.	M-L P C	██████████ ██████████ ██████████
	6 LBS.	0.1 LB.	M-L P C	██████████ ██████████ ██████████
BERMUDA, COMMON (CYNODON DACTYLON) ALONE	10 LBS.	0.2 LB.	M-L P C	██████████ ██████████ ██████████
	50 LBS.	1.1 LB.	M-L P C	██████████ ██████████ ██████████
	30 LBS.	0.7 LB.	M-L P C	██████████ ██████████ ██████████
FESCUE, TALL (FESTUCA ARUNDINACEA) ALONE	50 LBS.	1.1 LB.	M-L P C	██████████ ██████████ ██████████
	50 LBS.	1.1 LB.	M-L P C	██████████ ██████████ ██████████
	30 LBS.	0.7 LB.	M-L P C	██████████ ██████████ ██████████
CROWNVETCH (CORONILLA VARIA) WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS.	0.3 LB.	M-L P C	██████████ ██████████ ██████████
	50 LBS.	1.1 LB.	M-L P C	██████████ ██████████ ██████████
	30 LBS.	0.7 LB.	M-L P C	██████████ ██████████ ██████████
REED CANARY GRASS (PHALARIS ARUNDINACEA) ALONE	50 LBS.	1.1 LB.	M-L P C	██████████ ██████████ ██████████
	50 LBS.	1.1 LB.	M-L P C	██████████ ██████████ ██████████
	30 LBS.	0.7 LB.	M-L P C	██████████ ██████████ ██████████
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLACK SOO ONLY		P C	██████████ ██████████
	4 LBS.	0.1 LB.	M-L P C	██████████ ██████████ ██████████
	2 LBS.	0.05 LB.	M-L P C	██████████ ██████████ ██████████
LESPEDZA, SERICEA (LESPEDZA CUNEATA) SCARIFIED	60 LBS.	1.4 LB.	M-L P C	██████████ ██████████ ██████████
	75 LBS.	1.7 LB.	M-L P C	██████████ ██████████ ██████████
	3 TONS	138 LB.	M-L P C	██████████ ██████████ ██████████

ESTABLISHING A PERMANENT VEGETATIVE COVER AS A DISTURBED AREA.

- APPLICABLE ON HIGHLY ERODIBLE OR SEVERELY ERODED AREAS, SOMETIMES CALLED "CRITICAL AREAS" INCLUDING:
 - CUT OR FILL SLOPES
 - EARTH SPILLWAYS
 - BORROW AREAS
 - CHANNEL BANKS
 - BERMS
 - ROADSIDES
 - SPOIL AREAS
 - GULLIED LANDS



- GRADING AND SHAPING REQ'D. WHERE FEASIBLE AND PRACTICAL.
- SEEDBED PREPARATION (NOT REQ'D. IF USING HYDRAULIC SEEDING AND FERTILIZING)
 - SLOPE > 4" DEEP SEEDBED
 - 3:1 OR FLATTER > 4" DEEP
 - 2:1 TO 3:1 1" TO 4" DEEP
 - 2:1 OR STEEPER DEPRESSIONS EVERY 6"-8" WITH HAND TOOL
- HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE.
- MULCH ALL SLOPES STEEPER THAN 3% AND IN BOTTOM OF SPILLWAYS AND ON ROADBANKS.
- ANCHOR MULCH IMMEDIATELY.

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

Table 6-6.1. Fertilizer Requirements for Soil Surface Application

Fertilizer Type	Fertilizer Rate (lbs/acre)	Fertilizer Rate (lbs/sq ft)	Season
10-10-10	1000	.025	Fall

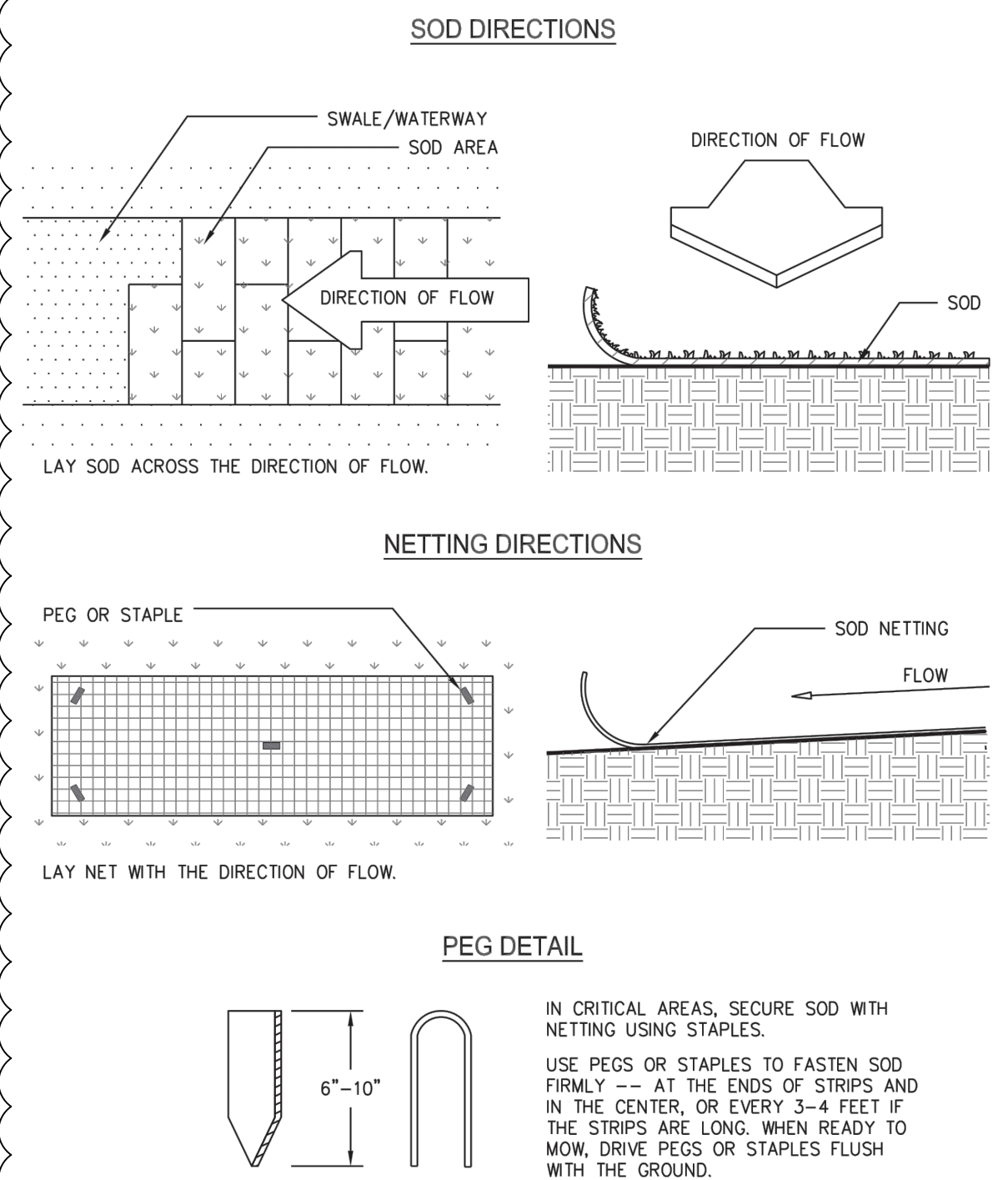
Table 6-6.2 Sod Planting Requirements

Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	M-L,P P,C P,C P,C	warm weather
Bahiagrass	Pensacola	P,C	warm weather
Centipede	---	P,C	warm weather
St. Augustine	Common Bitterblue Raleigh	C	warm weather
Zoysia	Emerald Myer	P,C	warm weather
Tall Fescue	Kentucky	M-L,P	cool weather

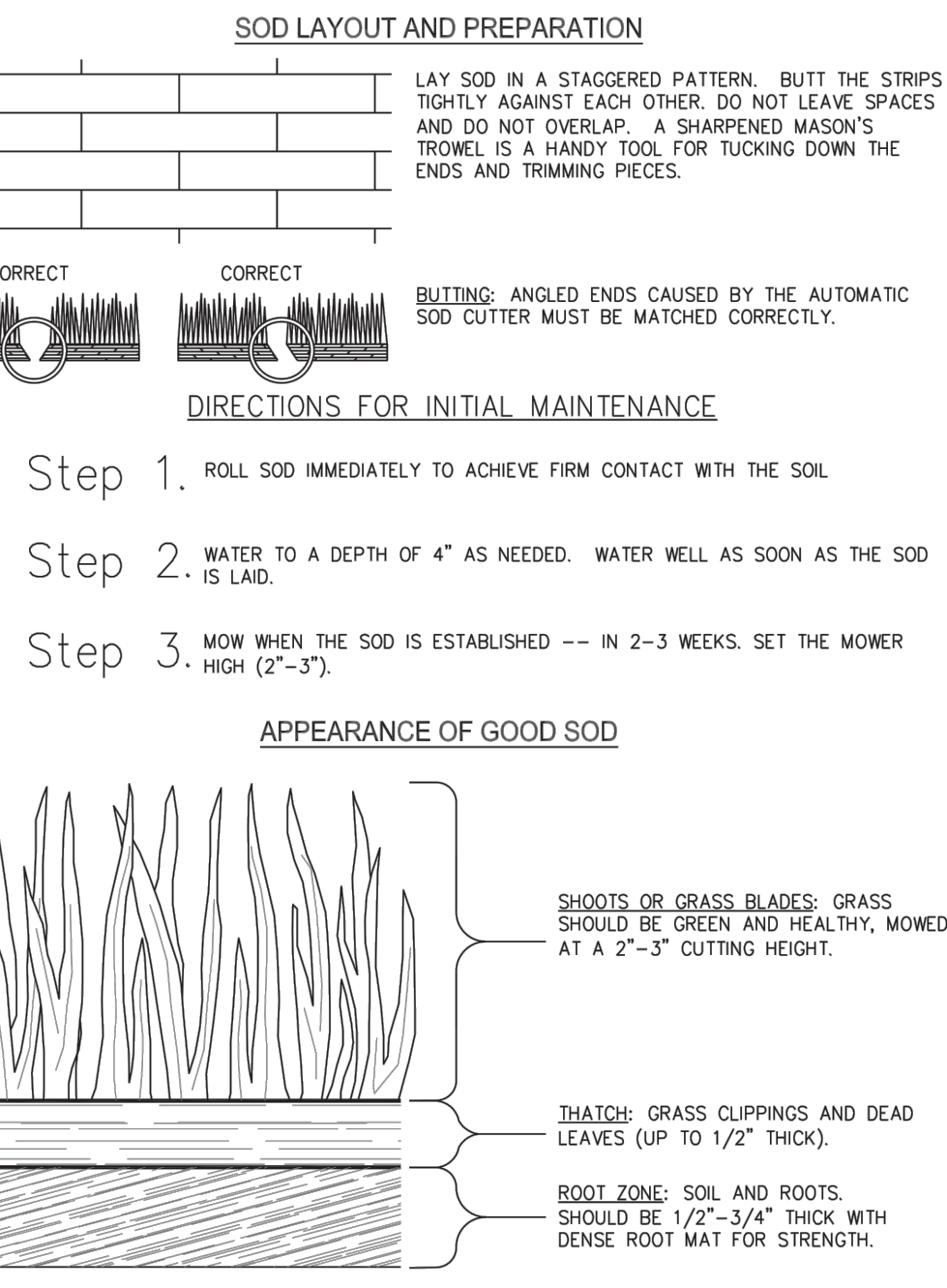
Table 6-6.3 Fertilizer Requirements for Sod

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
cool season grasses	first second	6-12-12	1500	50-100
	maintenance	6-12-12	1000	30
warm season grasses	first second	6-12-12	1500	50-100
	maintenance	6-12-12	800	30

SODDED WATERWAYS



SOD MAINTENANCE AND INSTALLATION



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ATLANTA, GA 30339
TEL: 770-431-8666
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CONSULTANTS

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WHITFIELD COUNTY, GEORGIA
CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

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CHECKED BY: R. GREUEL

SHEET TITLE
EROSION & SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL DETAILS (SHEET 1 OF 2)

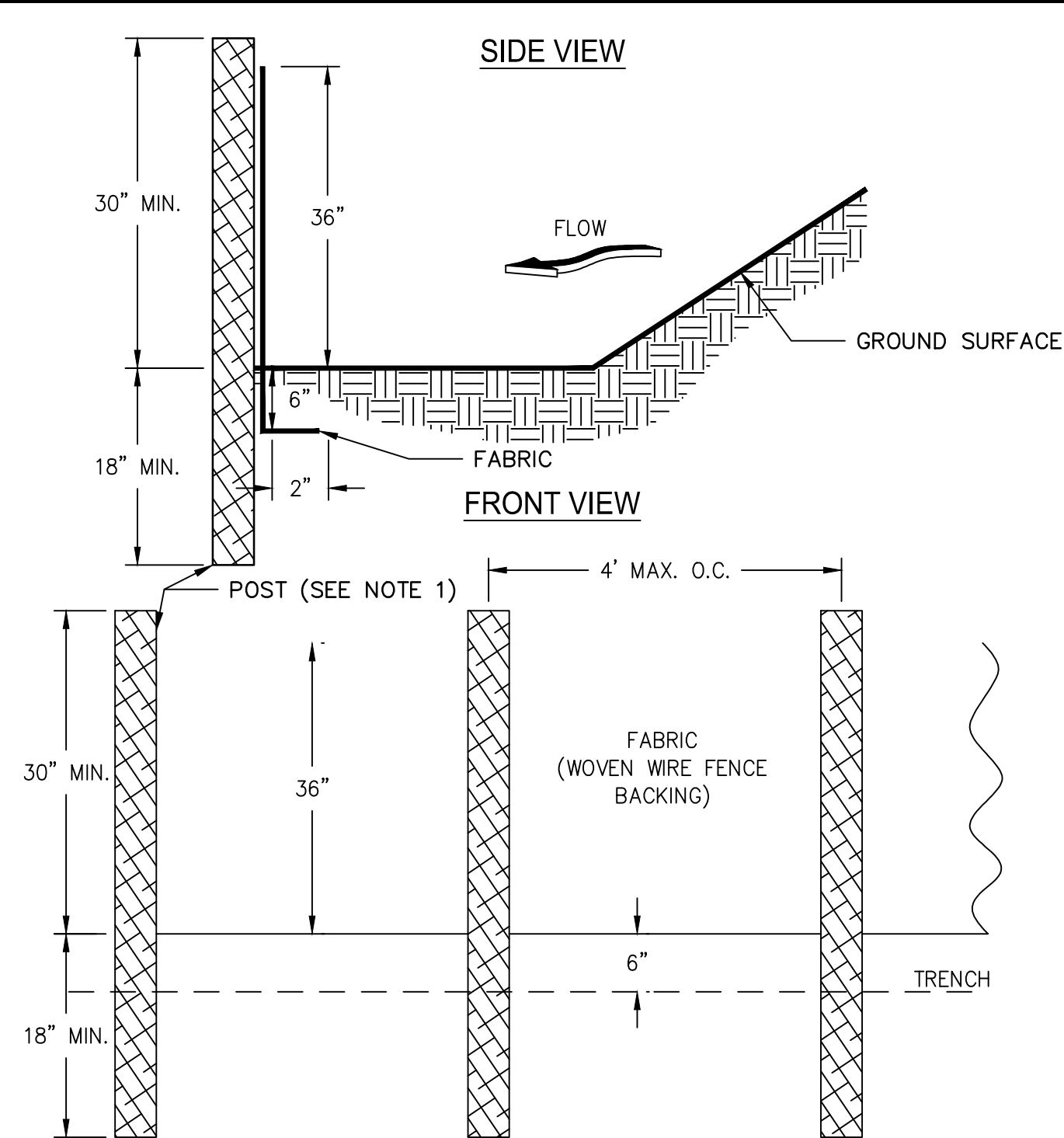
SCALE: AS SHOWN



ESC-08

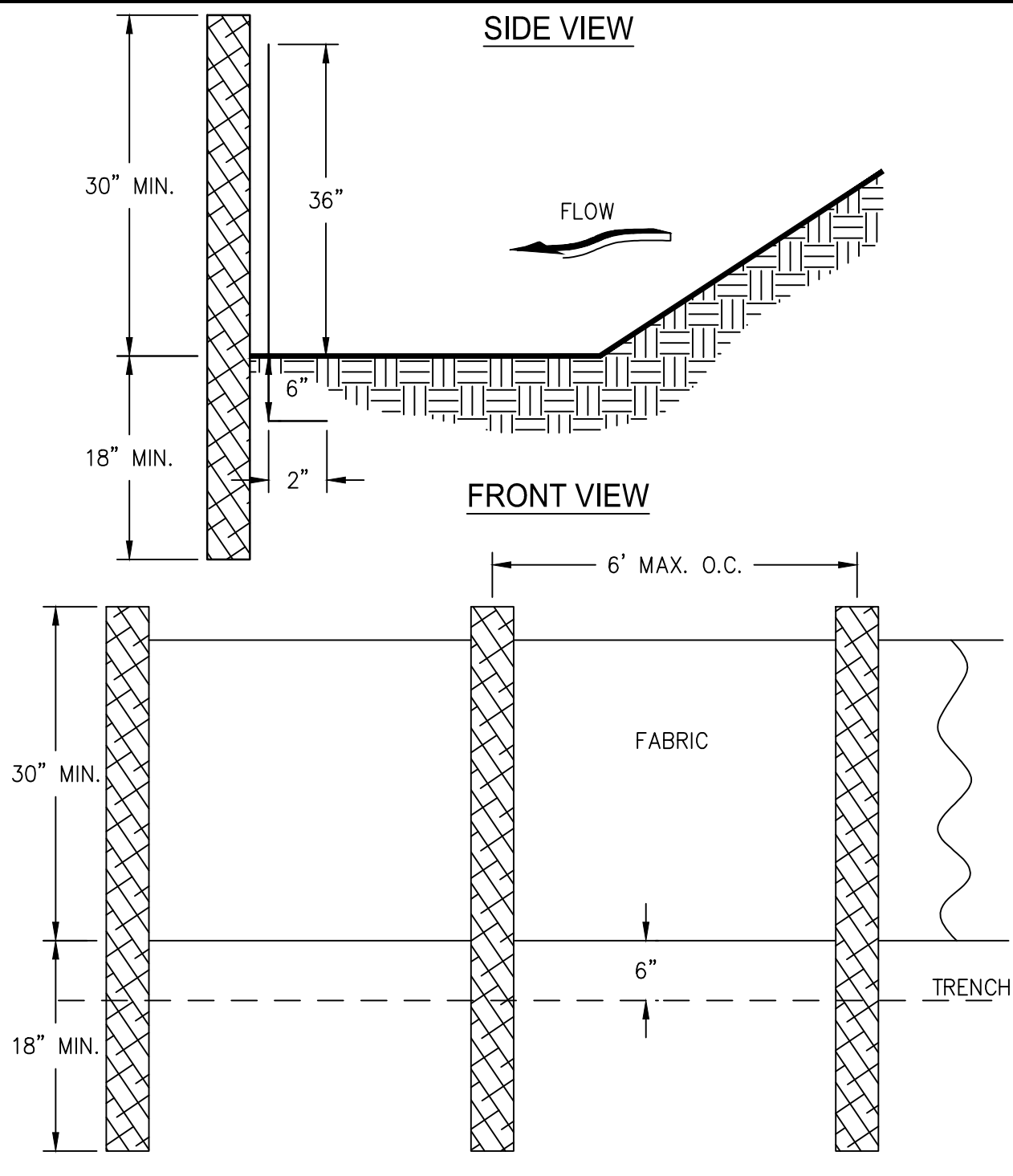
User:MSMITH Spec:AUS-NSM00 File:H:\CADD\ACAO\PROJ\30048235 CITY OF DALTON - PRATER ALLEY SHEETS\PRATER ALLEY - ABOVEGROUND\ESC-09.DWG Scale:1:1 SavedDate:4/2/2023 Time:19:10 Plot Date: Smith, Madson: 4/4/2023 19:10 Layout:22

User:ARMAIN Spec:AS-US-NOSMOD File: \\ARCADIS\US\OFFICEDATA\CHATTANOOGA\IN\CADD\ACAD\PROJ\30048235\CITY OF DALTON - PRATER ALLEY SHEETS\PRATER ALLEY - ABOVEGROUND\ESC-09.DWG Scale:1:1 SavedDate:12/15/2023 Time:12:45 Plot Date: 12/15/2023 16:24 Layout:23



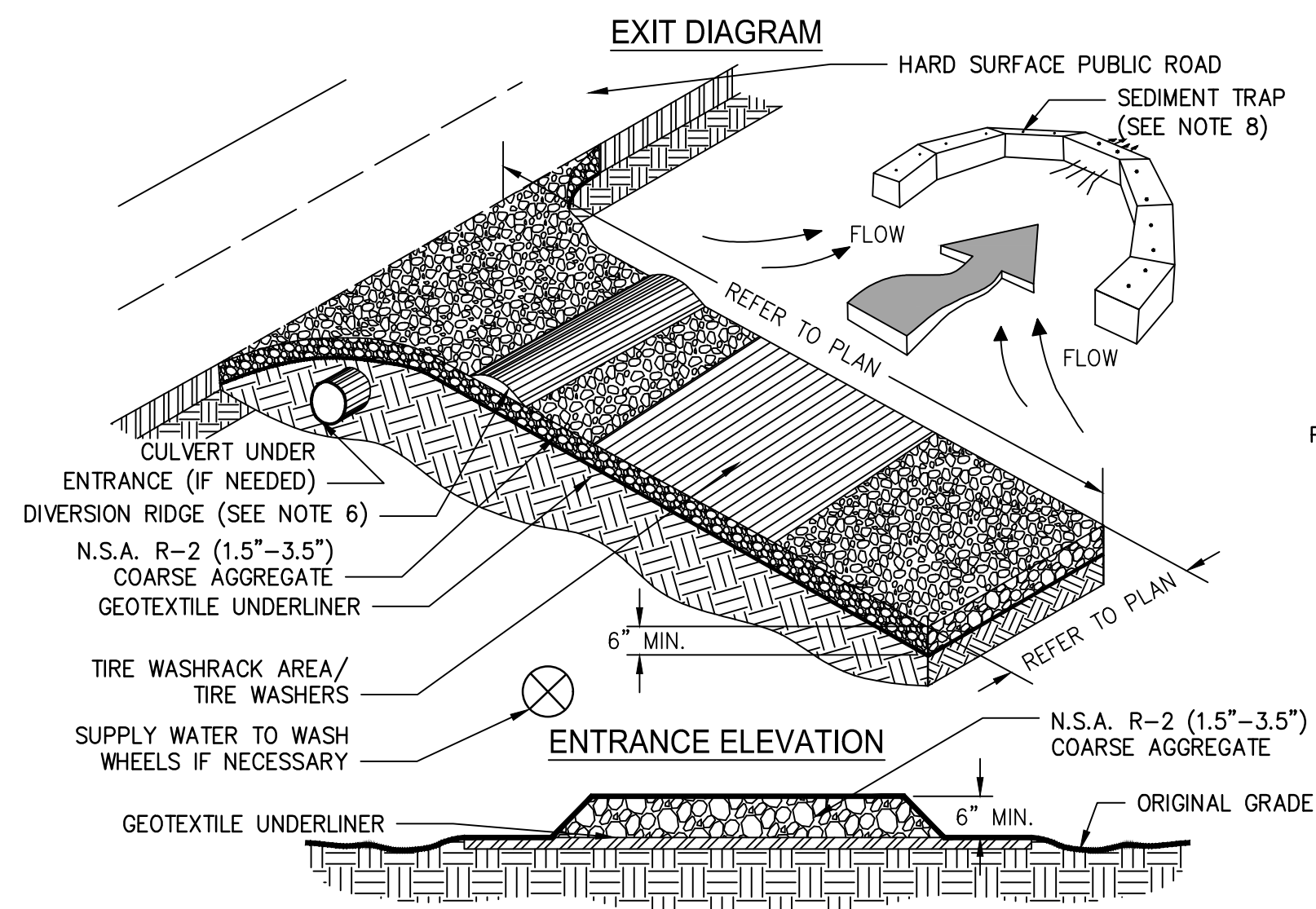
- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. SILT FENCE - TYPE SENSITIVE (Sd1-S) SHALL MEET THE SPECIFICATIONS OF SILT FENCE, TYPE C AS DESCRIBED IN SECTION 171 OF THE "GDOT STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS", 2013 EDITION. Sd1-S = TYPE C SILT FENCE.

Sd1-S SILT FENCE - TYPE SENSITIVE
SCALE: NONE



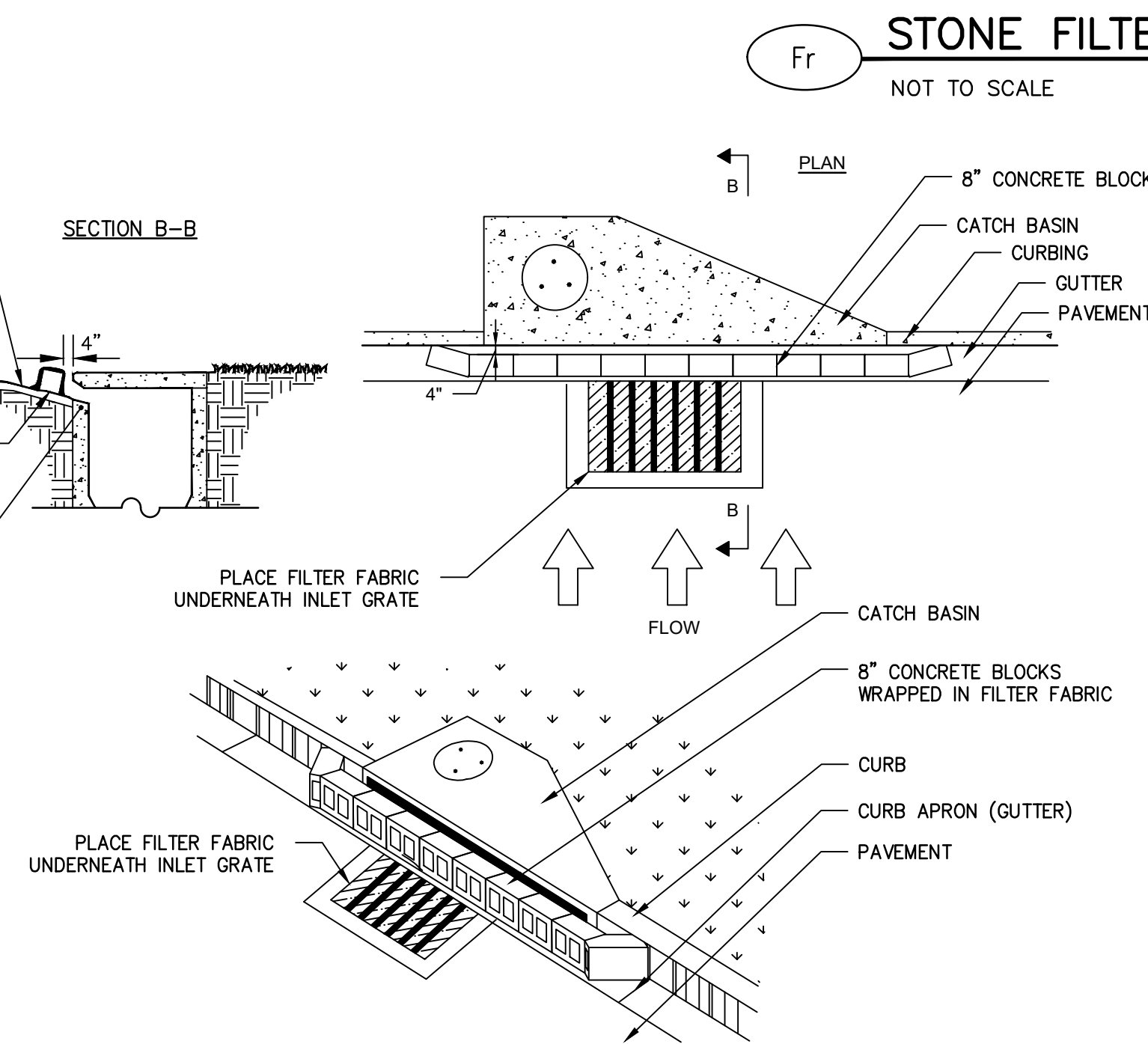
- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. SILT FENCE - TYPE NON-SENSITIVE (SD1-NS) SHALL MEET THE SPECIFICATIONS OF SILT FENCE, TYPE A AS DESCRIBED IN SECTION 171 OF THE "GDOT STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS", 2013 EDITION. Sd1-NS = TYPE A SILT FENCE.

Sd1-NS SILT FENCE - TYPE NON-SENSITIVE
SCALE: NONE



- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5") STONE.
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

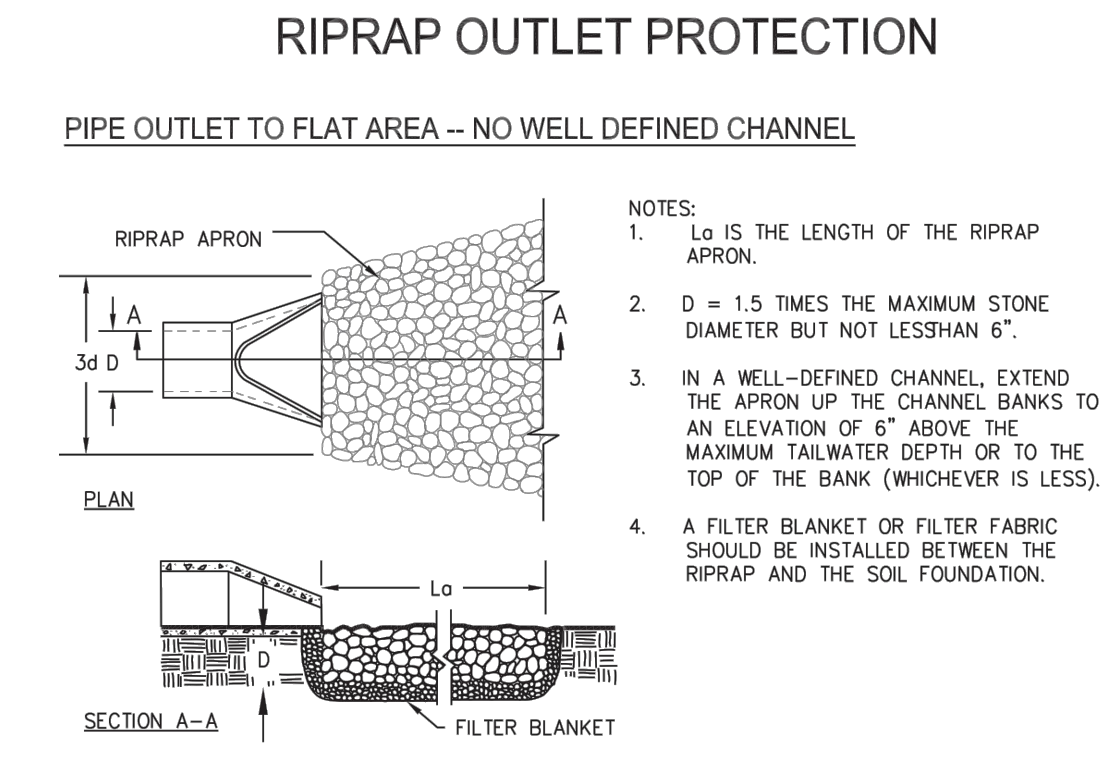
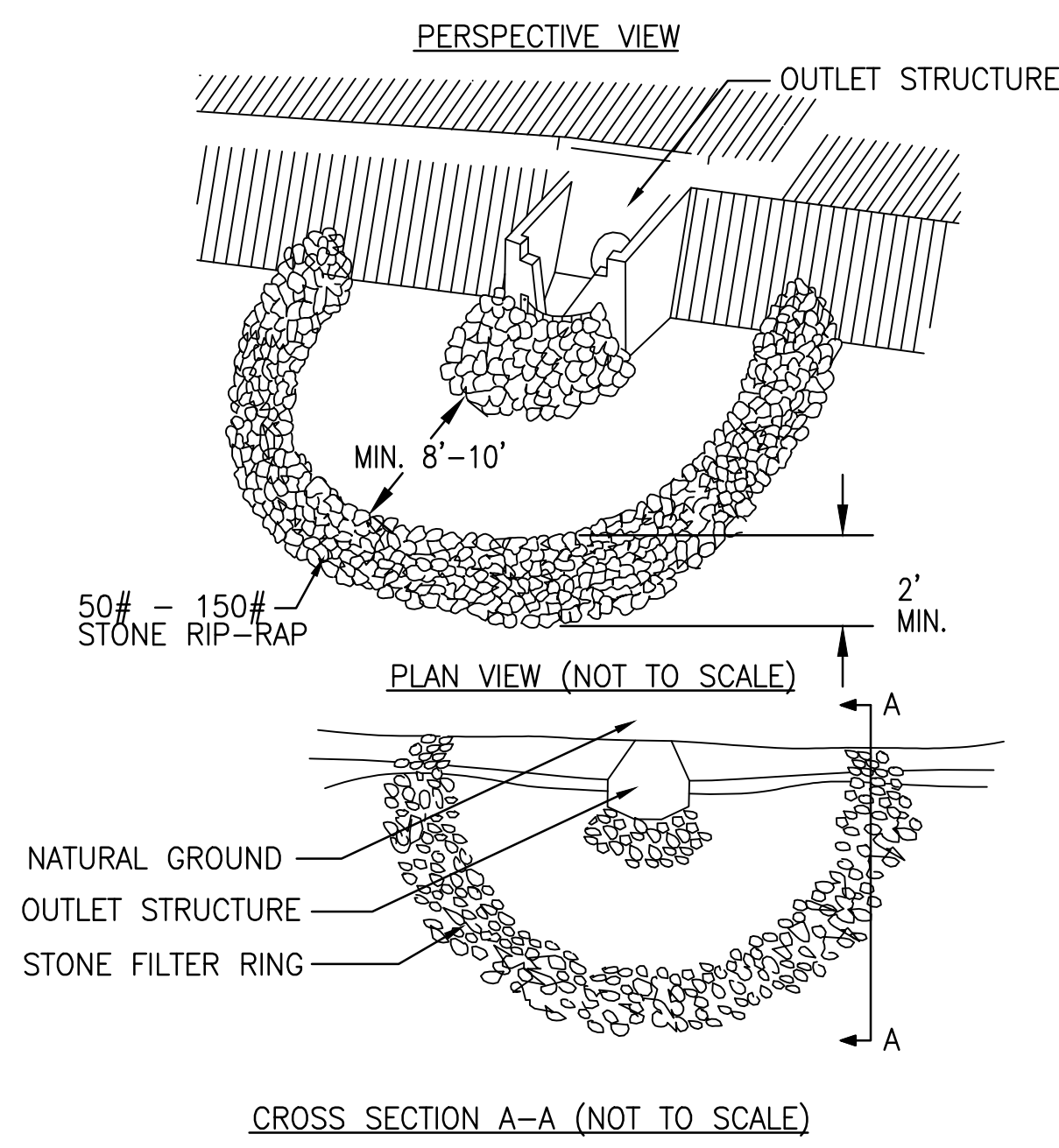
Co TEMPORARY CONSTRUCTION EXIT
SCALE: NONE



- NOTES:**
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
 2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
 3. FACE OPENINGS IN BLOCKS OUTWARD.
 4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
 5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

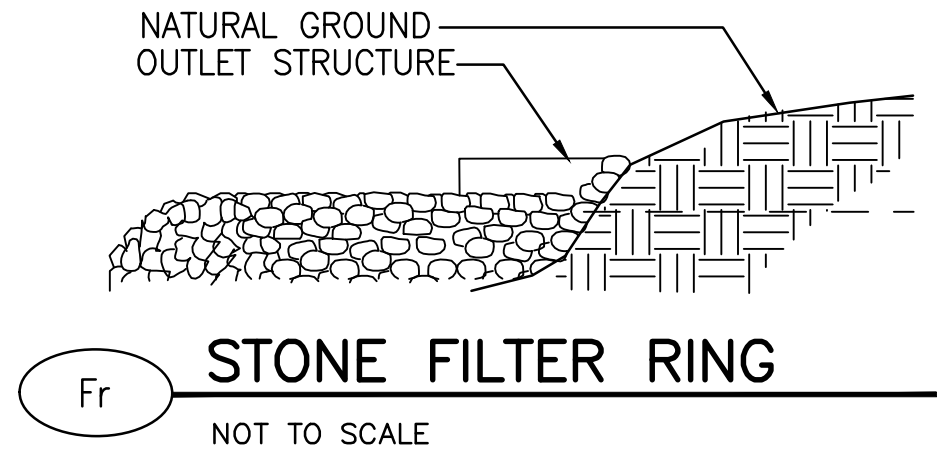
Sd1-S CURB INLET FILTER
SCALE: NONE

OUTLET	PIPE DIA. (D _o)	25-YR FLOW (CFS)	25-YR VELOCITY (FPS)	TAILWATER	RIPRAP SIZE (d50)	STONE DEPTH (D)	APRON LENGTH (L _a)	APRON WIDTH (W ₁)	APRON WIDTH (W ₂)
POND WEST OUTLET	48"	186	15	>0.5 D _o	9"	14"	67'	12'	31'
POND EAST OUTLET	48"	115	9	>0.5 D _o	6"	9"	18'	12'	12'
POND NORTHEAST OUTLET	24"	43	13	>0.5 D _o	6"	18"	48'	6'	22'

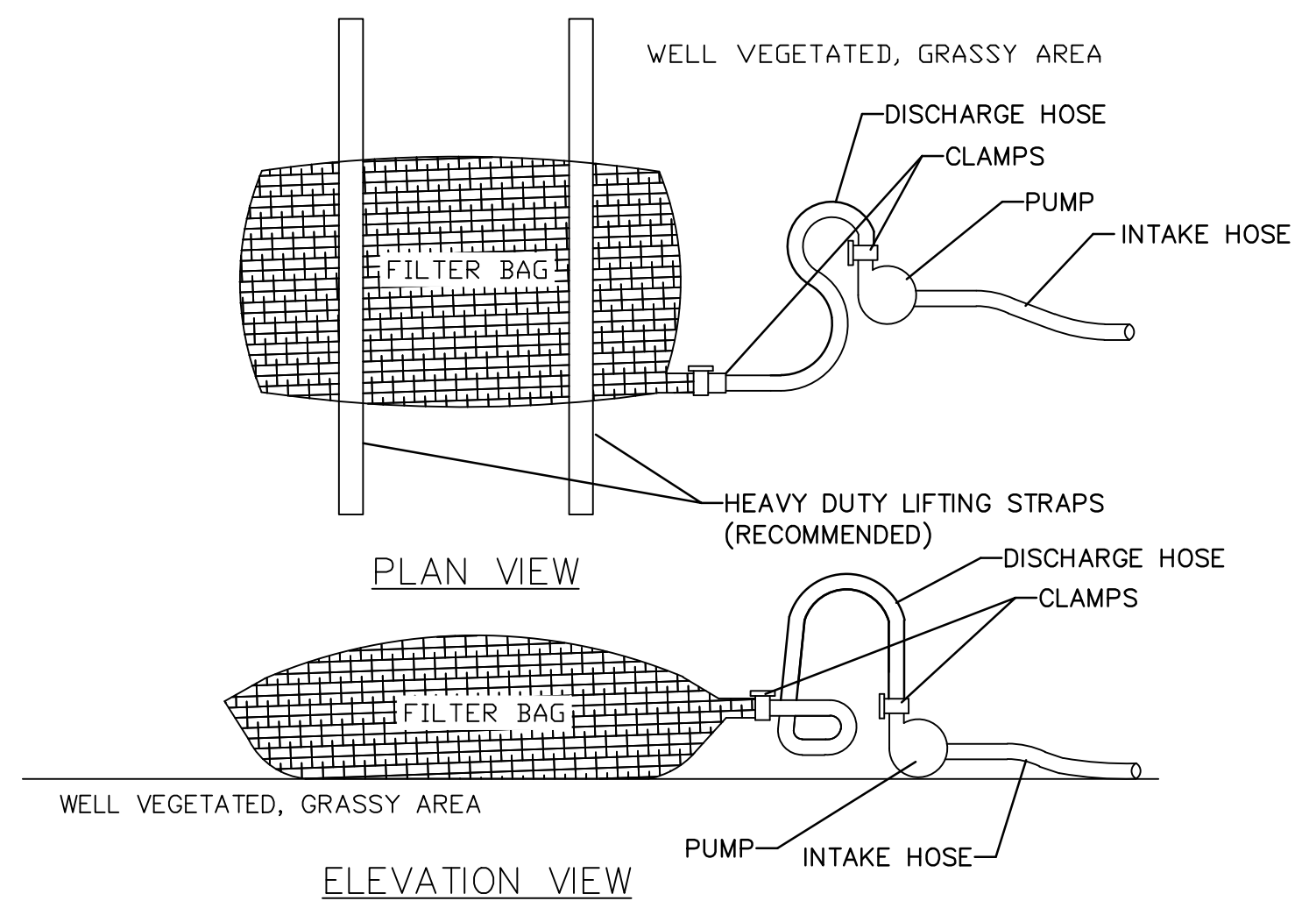


- NOTES:**
1. L_a IS THE LENGTH OF THE RIPRAP APRON.
 2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
 4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

St RIPRAP OUTLET PROTECTION
SCALE: NONE



Fr STONE FILTER RING
NOT TO SCALE



- NOTES:**
- LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

PUMP WATER FILTER BAG
SCALE: NONE

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WWW.ARCADIS.COM

ISSUED FOR CONSTRUCTION

SEALS

GSWCC NO. 000088369
EXPIRES 07/08/2025

WHITFIELD COUNTY, GEORGIA
CITY OF DALTON

PRATER ALLEY ABOVEGROUND OPTION

ARCADIS PROJ. NO. 30048235

NO.	DATE	CLIENT COMMENTS	RG/TT
1	12/23	CLIENT COMMENTS	RG/TT
0	04/23	ISSUED FOR CONSTRUCTION	RG/TT

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DATE: DECEMBER 2023
PROJECT NO.: 30048235
FILE NAME:
DESIGNED BY: A. CARLSON
DRAWN BY: M. SMITH / A. DOTTL
CHECKED BY: R. GREUEL

SHEET TITLE

EROSION & SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL DETAILS
(SHEET 2 OF 2)

SCALE: AS SHOWN

ESC-09

