



**INVITATION-TO-BID**  
**“PEDESTRIAN ENHANCEMENTS**  
**TRAILHEAD & ROWLAND STREET - SPLOST 04 B & C”**  
**ADDENDUM**

**Addendum Nos: #1**

**Date of Addendum:** November 13<sup>th</sup>, 2020

The following revised plan set by POND dated **11/11/2020** shall replace the original plan set dated 10/29/2020.

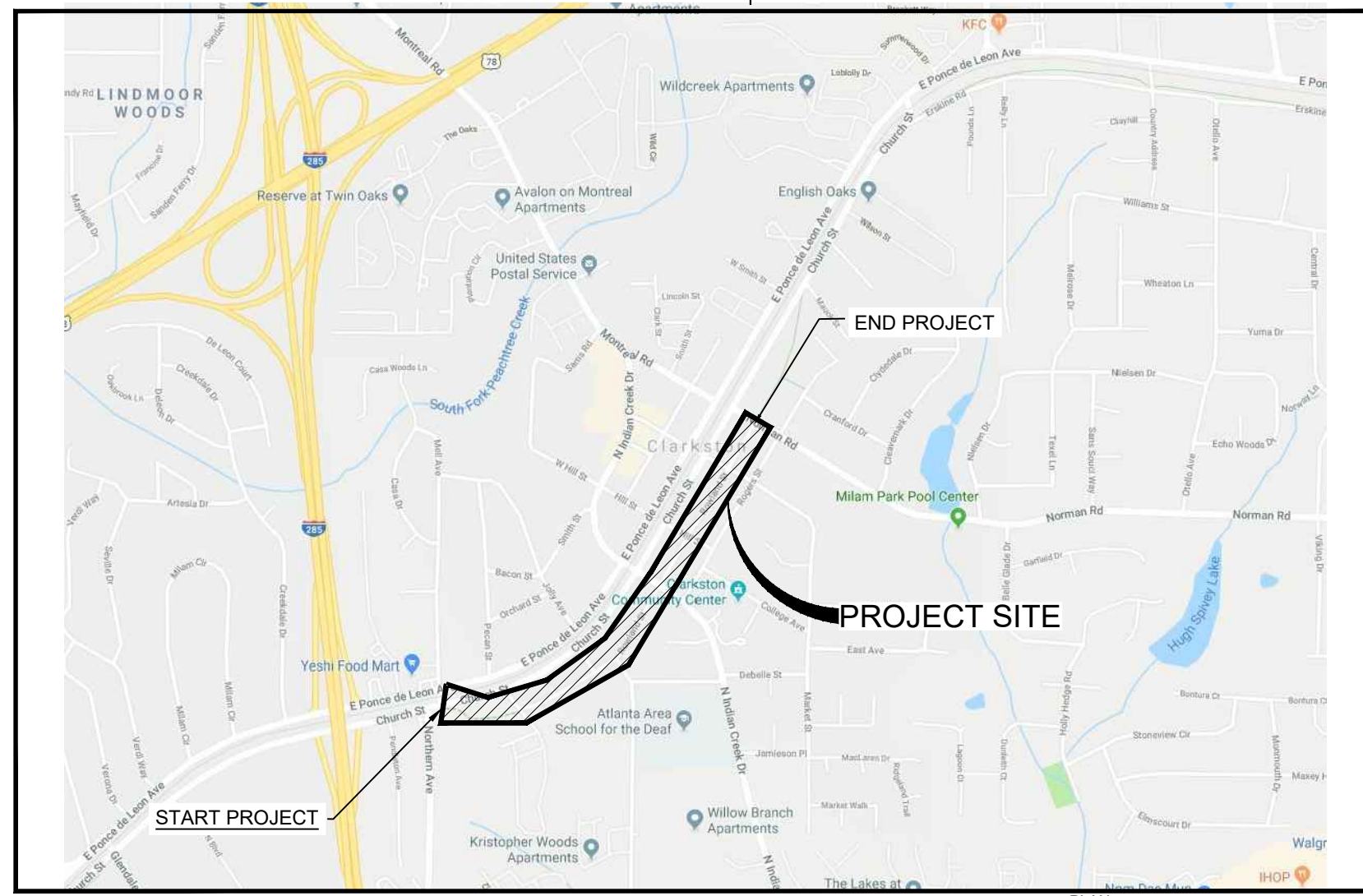
# CITY OF CLARKSTON DEKALB COUNTY, GEORGIA CONSTRUCTION PLANS SPLOST 4 PEDESTRIAN ENHANCEMENTS TRAILHEAD AND ROWLAND STREET NOVEMBER 11, 2020

MAYOR  
PRO-TEM AWET EYASU

CITY COUNCIL MEMBERS  
JAMIE CARROLL  
DEBRA JOHNSON  
AWET EYASU  
AHMED HASSAN  
LAURA HOPKINS



| OWNER/DEVELOPER   |  |
|---|--|
| 24-HOUR CONTACT:<br>LARRY KAISER, P.E.<br>COLLABORATIVE INFRASTRUCTURE<br>SERVICES, INC.<br>CITY PROJECT ENGINEER<br>404-909-5619 | OWNER:<br>CITY OF CLARKSTON<br>1655 ROWLAND STREET<br>CLARKSTON, GA 30021<br>ROBIN GOMEZ, CITY MANAGER   |
| DESIGN TEAM   |  |
| PROJECT MANAGER:<br>BRAD JONES, PLA   | POND AND COMPANY<br>3500 PARKWAY LANE SUITE 500<br>PEACHTREE CORNERS, GA 30092<br>PHONE (678) 336-7740<br>FAX (678) 336-7744<br>WEB: WWW.POND.CO.COM |



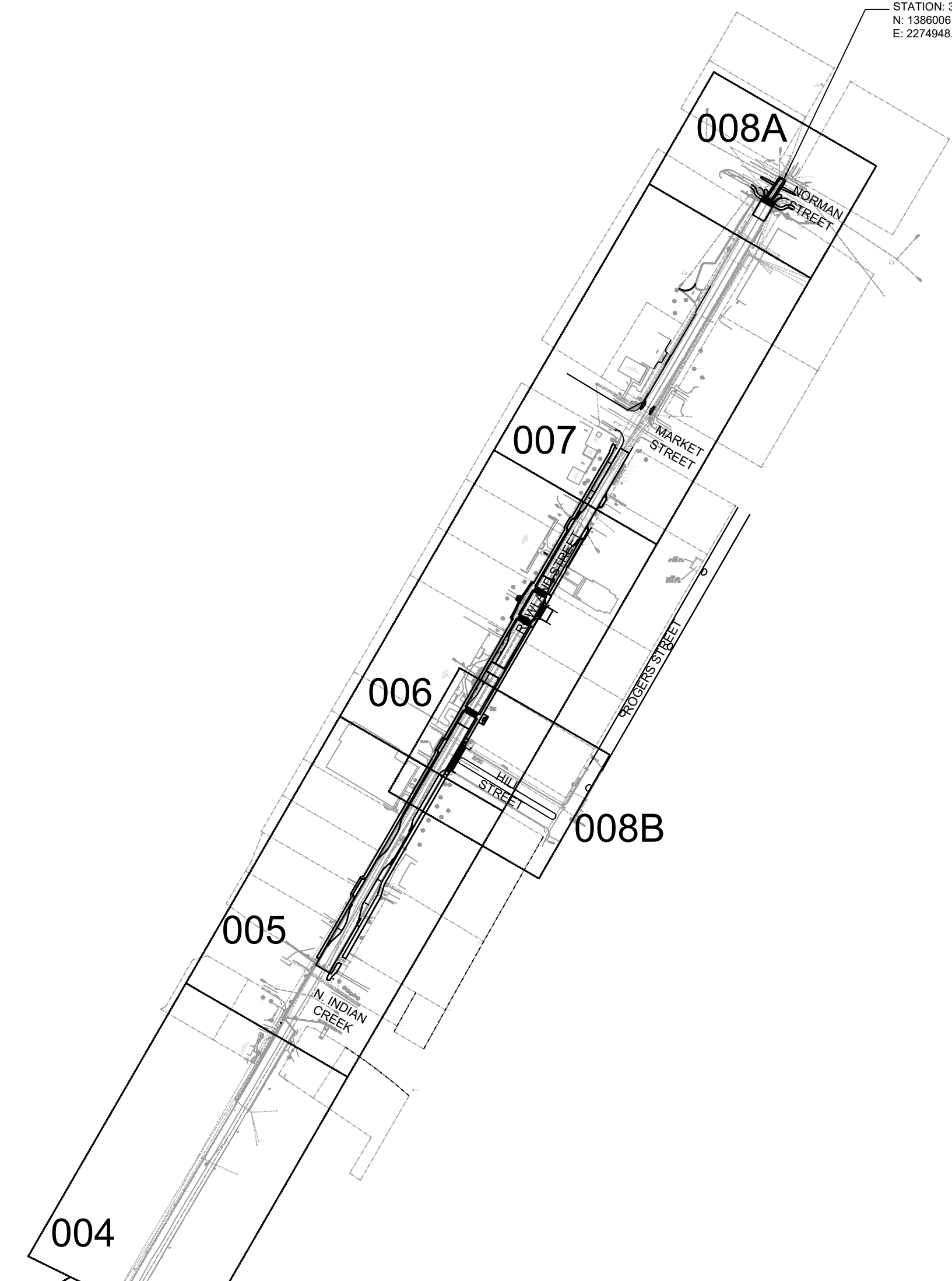
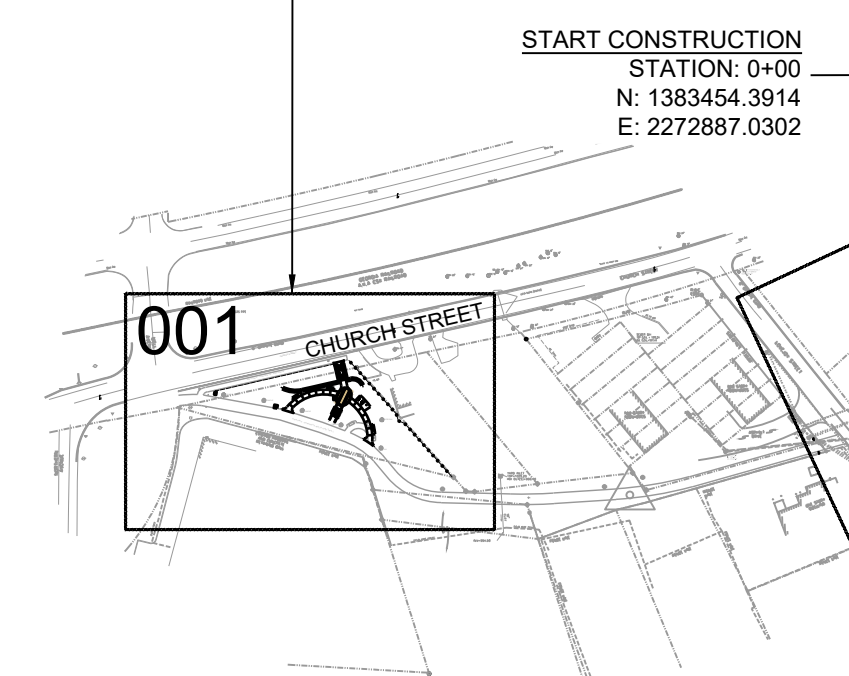
VICINITY MAP  
SCALE: NTS



| Sheet Number | Sheet Description                    |
|--------------|--------------------------------------|
| 01-000       | COVER SHEET                          |
| 04-001       | GENERAL NOTES                        |
| 04-002       | LEGEND & ABBREVIATIONS               |
| 06-000       | SUMMARY OF QUANTITIES                |
| 13-000       | OVERALL PLAN                         |
|              | SURVEY - TRAILHEAD                   |
| 13-001       | TRAILHEAD SITE PLAN                  |
| 18-001       | TRAILHEAD GRADING PLAN               |
| 19-001       | TRAILHEAD DEMOLITION PLAN            |
| 29-001       | TRAILHEAD LANDSCAPE PLAN             |
|              | ROWLAND ST. SURVEY - PG 2 OF 18      |
|              | ROWLAND ST. SURVEY - PG 3 OF 18      |
|              | ROWLAND ST. SURVEY - PG 4 OF 18      |
|              | ROWLAND ST. SURVEY - PG 5 OF 18      |
|              | ROWLAND ST. SURVEY - PG 6 OF 18      |
|              | ROWLAND ST. SURVEY - PG 7 OF 18      |
|              | ROWLAND ST. SURVEY - PG 8 OF 18      |
|              | ROWLAND ST. SURVEY - PG 9 OF 18      |
|              | ROWLAND ST. SURVEY - PG 10 OF 18     |
| 13-002       | MAINLINE PLAN                        |
| 13-003       | MAINLINE PLAN                        |
| 13-004       | MAINLINE PLAN                        |
| 13-005       | MAINLINE PLAN                        |
| 13-006       | MAINLINE PLAN                        |
| 13-007       | MAINLINE PLAN                        |
| 13-008       | MAINLINE PLAN                        |
| 18-005       | GRADING PLAN - MAINLINE              |
| 18-006       | GRADING PLAN - MAINLINE              |
| 18-007       | GRADING PLAN - MAINLINE              |
| 18-008       | GRADING PLAN - MAINLINE              |
| 19-005       | DEMOLITION PLAN - MAINLINE           |
| 19-006       | DEMOLITION PLAN - MAINLINE           |
| 19-007       | DEMOLITION PLAN - MAINLINE           |
| 19-008       | DEMOLITION PLAN - MAINLINE           |
| 22-001       | PIPE PROFILES                        |
| 26-002       | SIGNING AND MARKING PLAN AND DETAILS |
| 26-003       | SIGNING AND MARKING PLAN AND DETAILS |
| 26-004       | SIGNING AND MARKING PLAN AND DETAILS |
| 26-005       | SIGNING AND MARKING PLAN AND DETAILS |
| 26-006       | SIGNING AND MARKING PLAN AND DETAILS |
| 26-007       | SIGNING AND MARKING PLAN AND DETAILS |
| 26-008       | SIGNING AND MARKING PLAN AND DETAILS |
| 29-005       | LANDSCAPE PLANS                      |
| 29-006       | LANDSCAPE PLANS                      |
| 29-007       | LANDSCAPE PLANS                      |

|        |   |
|--------|---|
| 29-008 | LANDSCAPE PLANS                               |
| 29-009 | LANDSCAPE DETAILS                             |
| 38-001 | SITE CONSTRUCTION DETAILS                     |
| 38-002 | SITE CONSTRUCTION DETAILS                     |
| 38-003 | SITE CONSTRUCTION DETAILS                     |
| 38-004 | SITE CONSTRUCTION DETAILS                     |
| 38-005 | SITE CONSTRUCTION DETAILS                     |
| 38-006 | SITE CONSTRUCTION DETAILS                     |
| 38-007 | CONSTRUCTION DETAILS                          |
| 38-008 | CONSTRUCTION DETAILS                          |
| 40-001 | CONSTRUCTION DETAILS                          |
| 40-002 | CONSTRUCTION DETAILS                          |
| 40-003 | CONSTRUCTION DETAILS                          |
| 40-004 | CONSTRUCTION DETAILS                          |
| 40-005 | CONSTRUCTION DETAILS                          |
| 40-006 | CONSTRUCTION DETAILS                          |
| 40-007 | CONSTRUCTION DETAILS                          |
| 40-008 | CONSTRUCTION DETAILS                          |
| 40-009 | CONSTRUCTION DETAILS                          |
| 41-001 | GEORGIA STANDARDS                             |
| 41-002 | GEORGIA STANDARDS                             |
| 51-002 | ES&PC COVER SHEET                             |
| 51-003 | NPDES NOTE SHEET                              |
| 51-004 | NPDES NOTE SHEET                              |
| 51-005 | ES&PC CHECK LIST                              |
| 54-001 | ES&PC PHASE 1                                 |
| 54-002 | ES&PC PHASE 1                                 |
| 54-003 | ES&PC PHASE 1                                 |
| 54-004 | ES&PC PHASE 1                                 |
| 54-005 | ES&PC PHASE 1                                 |
| 54-006 | ES&PC PHASE 2                                 |
| 54-007 | ES&PC PHASE 2                                 |
| 54-008 | ES&PC PHASE 2                                 |
| 54-009 | ES&PC PHASE 2                                 |
| 54-010 | ES&PC PHASE 2                                 |
| 54-011 | ES&PC PHASE 3                                 |
| 54-012 | ES&PC PHASE 3                                 |
| 54-013 | ES&PC PHASE 3                                 |
| 54-014 | ES&PC PHASE 3                                 |
| 54-015 | ES&PC PHASE 3                                 |
| 56-001 | STORMWATER POND ESPC STANDARD DETAILS         |
| 56-002 | STORMWATER POND ESPC STANDARD DETAILS         |
| 56-003 | STORMWATER POND ESPC STANDARD DETAILS         |
| 56-004 | STORMWATER POND ESPC STD DETAILS - VEGETATIVE |
| 56-005 | STORMWATER POND ESPC STD DETAILS - VEGETATIVE |

SEE SHEET 13-001 FOR CONSTRUCTION LIMITS



## ADDENDUM #1



Know what's below.  
Call before you dig.  
Dial 811  
Or Call 800-282-7411

| DATE       | DESCRIPTION | MARK | APPR. |
|------------|-------------|------|-------|
| 11/11/2020 | ADDENDUM 1  |      |       |

DESIGNED BY: RBJ  
DRAWN BY: GSK  
CHECKED BY: WNT  
SUBMITTED BY: [Signature]FILE NAME: 01-000.dwg  
SIZE: 22' x 34'PLOT SCALE: 1:1

DATE: 11/11/2020  
SOLICITATION NO.:  
CONTRACT NO.:  
FILE NUMBER:  
PLOT DATE: 11/11/2020

CITY OF CLARKSTON  
SPLOST PEDESTRIAN PROJECT B & C -  
TRAILHEAD DESIGN

**POND**  
3500 Parkway Lane, Suite 500  
Clarkston, GA 30092  
Phone: (678) 336-7740  
Fax: (678) 336-7744

POND PROJECT No. 1180426

ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN

COVER SHEET

SHEET IDENTIFICATION NUMBER  
01-000

BID SET

GENERAL NOTES:

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, GUIDELINES AND DETAILS, THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION, CURRENT CITY OF CLARKSTON REQUIREMENTS AND ANY OTHER LOCAL AND STATE STANDARDS THAT MAY APPLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL FEDERAL, STATE, OSHA AND LOCAL SAFETY REGULATIONS, LAWS, CODES OR ORDINANCES WHICH MAY APPLY.
3. IN THE DRAWINGS, USE OF THE TERMS OWNER, OWNER'S REPRESENTATIVE, ENGINEER, LANDSCAPE ARCHITECT, OR DESIGN PROFESSIONAL SHALL BE INTERPRETED TO BE COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). REFER TO CONTRACT DOCUMENTS.
4. EXISTING CONDITIONS SHOWN ARE FROM A BOUNDARY AND TOPOGRAPHIC SURVEY FOR CITY OF CLARKSTON, PREPARED BY: WOLVERTON, INC., DATED 12/03/2018, AND AS-BUILT INFORMATION PREPARED BY POND & CO 2018.
5. THERE ARE NO KNOWN EXISTING LANDFILLS OR PROPOSED ON-SITE BURY PITS.
6. THERE IS NO FLOODPLAIN LOCATED ON-SITE.
7. THERE ARE NO KNOWN WETLANDS OR STATE WATERS LOCATED ON-SITE.
8. A NOTICE OF INTENT IS REQUIRED FOR THIS PROJECT. PROJECT AREA: 28 ACRES - DISTURBED AREA: 1.75 ACRES.
9. CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE STORM WATER DISCHARGE MONITORING, DOCUMENTATION AND REPORTING RELATED TO CONSTRUCTION ACTIVITIES FOR THE PROJECT.
10. ALL DIMENSIONS ARE TAKEN FROM/TO FENCELINES, PROPERTY LINES, EDGE OF PAVEMENT, CENTERLINE OF UTILITY, CENTERLINE OF MANHOLE OR CATCH BASIN, CENTERLINE OF ROAD, FACE OF CURB, CENTER OF PAINT STRIPE, AND FACE OF WALL OR BUILDING UNLESS OTHERWISE NOTED.
11. REPETITIVE FEATURES ON PLANS NOT DRAWN IN THEIR ENTIRETY SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SURVEYING SERVICES REQUIRED TO LAYOUT AND BUILD THE PROJECT. THIS SHALL INCLUDE ALL HORIZONTAL AND VERTICAL STAKEOUT.
13. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS.
14. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF A TRAFFIC PLAN USING THE GUIDELINES FOR APPROVAL BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN PRICE FOR TRAFFIC CONTROL LUMP SUM. APPROVAL BY THE CITY OF CLARKSTON PUBLIC WORKS DEPARTMENT AND PERMITTING WILL BE REQUIRED.
15. EXISTING TRAFFIC SIGNALS SHALL REMAIN OPERABLE AT ALL TIMES. CONTACT COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) PRIOR TO BEGINNING WORK TO DISCUSS BURIED SIGNAL EQUIPMENT. LOOP WIRES SHALL BE REPLACED IF DAMAGED.
16. CONTRACTOR SHALL INSURE THAT ACCESS TO PROPERTIES IS MAINTAINED AT ALL TIMES. IN CASES WHERE A PROPERTY HAS TWO POINTS OF ACCESS, ONE MUST REMAIN OPEN WHILE THE OTHER IS IMPROVED. IN CASES WHERE A PROPERTY HAS ONLY ONE ENTRANCE, TEMPORARY ACCESS WILL BE PROVIDED AND MAINTAINED DURING CONSTRUCTION.
17. PRICE BID FOR TRAFFIC CONTROL-LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO AGGREGATE SURFACE COURSE CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNAGE AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, DETOUR PAVING, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND/OR AS DIRECTED BY THE OWNER.
18. ALL SIDEWALK AND CURB CUT (WHEELCHAIR) RAMPS SHALL BE IN ACCORDANCE WITH GDOT SPECIAL DETAILS AND CITY OF CLARKSTON REQUIREMENTS. RAMPS SHALL BE CONSTRUCTED AT ALL POINTS WHERE SIDEWALK TERMINATES AT CURB OR IS BISECTED BY DRIVEWAYS, IF NECESSARY. THE EXACT TYPE OF RAMP (TERMINAL OR ON CURB RADIUS) MAY BE MODIFIED AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619).
19. THE TOTAL AREA SHOWN ON THE PLANS FOR GRASSING ON EROSION CONTROL AND LANDSCAPE PLANS ARE FOR INFORMATION ONLY. THE CITY OF CLARKSTON ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRASSING, BY UNIT COST, AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL AREA TO BE GRASSED, AS ALL DISTURBED AREAS MUST BE PERMANENTLY VEGETATED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS.
20. ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, STRAW MULCH STABILIZATION SHALL BE USED AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). REFER TO SECTION 161 OF THE STANDARD SPECIFICATIONS.
21. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH DEMOLITION, CLEARING OR OTHER LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619).
22. CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROL MEASURES DAILY AND DURING PROLONGED PERIODS OF CONTINUOUS RAINFALL EVENTS TO ENSURE THAT ALL CONTROLS ARE FUNCTIONING PROPERLY. DAMAGED CONTROLS SHALL BE REPLACED BY THE END OF THE WORKDAY.
23. CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES AS SHOWN ON THE DRAWINGS, DURING ALL PHASES OF CONSTRUCTION.
24. ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE PLANS AND AS DIRECTED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619).
25. ALL GRANITE CURB INSTALLATION SHALL INCLUDE A MIN. 6" THICK CLASS B CONCRETE FOOTING THE ENTIRE LENGTH OF CURB.
26. ALL PAVEMENT GAPS AFTER CURB INSTALLATION SHALL BE FILLED WITH ASPHALT PATCHING PRIOR TO RESURFACING.
27. LANDSCAPE WARRANTY SHALL BE FOR ONE YEAR. WARRANTY TO BEGIN ON THE DATE THAT THE CITY APPROVED THE PROJECT PUNCH LIST.

GENERAL SITE DEMOLITION NOTES:

- 1. "DEMOLISH" SHALL MEAN TO REMOVE AN OBJECT IN ITS ENTIRETY. RESTORE GRADES AND SURFACE IMPROVEMENTS TO MATCH EXISTING CONDITIONS OR PER REQUIREMENTS OF NEW WORK, WHICHEVER IS APPLICABLE. CONTRACTOR SHALL SAWCUT TO FULL PAVEMENT, SIDEWALK AND CURB AND GUTTER DEPTH AT THE LIMIT OF DEMOLITION FOR REMOVAL OF PAVEMENT, SIDEWALK AND CURB AND GUTTER.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED DEMOLITION SCHEDULE AND LOGISTICS PROCEDURE TO COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) FOR APPROVAL AT LEAST 10 DAYS BEFORE DEMOLITION IS TO BEGIN. THE DEMOLITION PROCEDURE SHALL INCLUDE A DETAILED DESCRIPTION OF THE METHODS AND EQUIPMENT TO BE USED FOR EACH OPERATION AND THE SEQUENCE OF WORK. THE DEMOLITION PROCEDURES SHALL PROVIDE FOR SAFE CONDUCT OF WORK AND THE PROTECTION OF PROPERTY WHICH IS TO REMAIN UNDISTURBED AND COORDINATION WITH OTHER WORK OR OPERATIONS THAT MAY BE IN PROGRESS. METHODS AND SCHEDULING OF DEMOLITION ACTIVITIES MUST BE APPROVED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) AND COORDINATED WITH THE CONTRACTOR'S SCHEDULE AND ASSOCIATED EROSION AND SEDIMENTATION CONTROL PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING SERVICE CONNECTIONS TO BE REMOVED FROM BUILDINGS OR THE SITE, IF PRESENT, AND PERMANENTLY PLUGGING PIPES WHERE REQUIRED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANIES CONCERNED.
4. 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 SURFACES AND AT LEAST 12 INCHES BELOW PROPOSED GRADE SURFACES.
5. CONTRACTOR SHALL ESTABLISH SURVEY CONTROL NETWORK OUTSIDE LIMITS OF DEMOLITION PRIOR TO COMMENCEMENT OF WORK. THIS WORK MUST BE PERFORMED BY A GEORGIA LICENSED LAND SURVEYOR.
6. CONTRACTOR SHALL MINIMIZE THE IMPACT OF CONSTRUCTION ACTIVITIES ON THE TRAFFIC FLOW TO SURROUNDING FACILITIES TO REMAIN.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO OTHER BUILDING OR STRUCTURE NOT INTENDED FOR DEMOLITION. THE CONTRACTOR SHALL RESTORE ANY DAMAGED FACILITY TO THEIR CONDITION PRIOR TO THE ERRANT DEMOLITION OPERATIONS.
8. NO DEBRIS FROM SITE DEMOLITION SHALL BE BURIED ON SITE. ALL MATERIAL GENERATED FROM DEMOLITION OPERATION SHALL BE PROPERLY DISPOSED OF OFFSITE.

GRADING NOTES:

- 1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL PROPERLY OFF-SITE.
2. CONTRACTOR SHALL VERIFY PROJECT LIMITS PRIOR TO COMMENCING WORK. THE CONTRACTOR AND SUBCONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMITTING BIDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING AND MAINTAINING A BENCHMARK FOR THE PROJECT, AND FOR ANY REQUIRED ELEVATION TRANSLATION. REFER TO SURVEY DRAWINGS FOR ANY DATUM AND BENCHMARK DATA, IF ANY.
4. ANY AND ALL DAMAGE TO EXISTING PLANT MATERIAL OR HARDSCAPE ELEMENTS THAT ARE TO REMAIN, I.E. CURBS, ROADS, WALLS FENCES, TREES, SHRUBS, ETC. SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY AND PERMANENT GROUNDWATER CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO CONTROL SURFACE RUNOFF IN ORDER TO PREVENT PONDING IN OPEN EXCAVATIONS AND PREVENT POTENTIAL UNDERMINING OF PERMANENT CONSTRUCTION FEATURES.
6. CONTRACTOR SHALL NOT WORK FILL MATERIALS DURING UNFAVORABLE WEATHER CONDITIONS. CONTRACTOR SHALL NOT PERMIT EQUIPMENT TO BE USED IN SUCH A MANNER AS TO CAUSE EQUIPMENT TO EXCESSIVELY PUMP OR RUT THE SUBGRADE OR OTHER PREPARED AREAS.
7. CONTRACTOR SHALL STRIP ALL TOPSOIL AND ORGANIC MATTER FROM AREAS TO BE MASS GRADED, UNLESS OTHERWISE INDICATED.
8. 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.
9. CONTRACTOR SHALL GRADE ALL DISTURBED AREAS TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND TOWARD DRAINAGE STRUCTURES OR DITCHES. NATURAL FLOW OF SURROUNDING WATERS SHALL NOT BE DISTURBED DURING CONSTRUCTION, UNLESS SHOWN OTHERWISE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE POSITIVE DRAINAGE ON ALL GRADED SURFACE AREAS. THE CONTRACTOR SHALL MAINTAIN A MINIMUM SLOPE OF 1% ON HARDSCAPE AND MINIMUM SLOPE OF 2% ON GRADED AREAS, UNLESS OTHERWISE INDICATED.
11. THE MAXIMUM CUT OR FILL SLOPES ARE 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE INDICATED.
12. FILL MATERIALS SUPPORTING ROADWAYS, PARKING AREAS, SIDEWALKS, STRUCTURES, BUILDINGS AND WALLS SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY. THE TOP 12-INCHES OF FILL MATERIALS SUPPORTING ROADWAYS, PARKING AREAS, SIDEWALKS, STRUCTURES, BUILDINGS AND WALLS SHALL BE COMPACTED TO 98 PERCENT OF THE MAXIMUM DRY DENSITY. FILL PLACED FOR GENERAL SITE GRADING SHALL BE COMPACTED TO 90 PERCENT OF THE MAXIMUM DRY DENSITY.
13. REFER TO GDOT SPECIFICATIONS FOR FILL MATERIAL REQUIREMENTS.
14. SOIL AND MATERIAL TESTING WILL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY SELECTED AND PAID FOR BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LAB AND SCHEDULING TESTS. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH ACCEPTABLE STANDARDS INCLUDING ASTM, GDOT OR OTHERS RECOGNIZED IN THE INDUSTRY.
15. ALL AREAS WHERE ROADS, SIDEWALKS, WALLS AND/OR OTHER STRUCTURES ARE TO BE CONSTRUCTED, SHALL BE TESTED PRIOR THE PLACEMENT OF CONCRETE, ASPHALT, GRADED AGGREGATE BASE OR FILL MATERIALS.
16. SEE LANDSCAPE OR TREE PROTECTION DRAWINGS FOR TREE PROTECTION REQUIREMENTS.
17. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE AND LEGALLY DISPOSE OF IT. NO RUBBISH OR DEBRIS SHALL BE BURNED OR BURIED ON THE SITE.
18. NOTE THAT ALL MANHOLES, VALVES, ETC. WITHIN ROADWAY SHALL BE FLUSH WITH THE PAVEMENT AND ENCASED IN COLLARS PER DEKALB WATERSHED SPECIFICATIONS. CONCRETE TO HAVE STAINED WITH BLACK DYE OR OTHER DURABLE CONCRETE PAINT. COST TO BE INCLUDED IN THE BID SUBMITTED.

UTILITY NOTES:

- 1. THE LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITIES, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ANY DAMAGE INCURRED TO ANY EXISTING UTILITY ELEMENTS SHALL BE REPAIRED PROPERLY AND IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
2. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) IMMEDIATELY.
3. CONTRACTOR WILL REPAIR ANY DAMAGE DONE BY CONSTRUCTION ACTIVITIES TO EXISTING UTILITIES AT NO ADDITIONAL COST TO THE OWNER.
4. ANY FEES ASSOCIATED WITH UTILITY RELOCATIONS SHALL BE BORNE BY THE CONTRACTOR IN ACCORDANCE WITH RESPECTIVE UTILITY COMPANY STANDARDS.
5. THE CONTRACTOR SHALL COORDINATE DISCONNECTION OF EXISTING UTILITIES WITH THE APPROPRIATE UTILITY PROVIDER.
6. CONTRACTOR TO ENSURE ALL EXISTING TOPS OF MANHOLES AND VALVE BOXES ARE RAISED OR LOWERED TO BE FLUSH WITH FINISHED GRADES, UNLESS NOTED OTHERWISE.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS AND/OR EASEMENTS ARE OBTAINED AND IN HAND BEFORE BEGINNING ANY DEMOLITION OR CONSTRUCTION. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. ANY PENALTIES, STOP WORK ORDERS OR ADDITIONAL WORK RESULTING FROM THE CONTRACTOR BEING IN VIOLATION OF THE REQUIREMENTS ABOVE, SHALL BE FULLY BORNE BY THE CONTRACTOR.
8. CONTRACTOR SHALL FURNISH AND MAINTAIN ANY AND ALL NECESSARY BARRICADES AROUND THE WORK AND PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
9. CONTRACTOR TO MOVE ALL CONSTRUCTION DEBRIS OFF THE PROPERTY AND DISPOSE DEBRIS AT A LEGAL, PERMITTED LANDFILL CONSISTENT WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
10. CONTRACTOR WILL NOTIFY ALL AFFECTED UTILITIES AND COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION NEAR EXISTING UTILITIES.

UTILITY PROVIDERS:

Table with 5 columns: Utility Name, Service, Contact Info, Provider Name, and Address. Includes Atlanta Gas Light, AT&T Telecommunications, Comcast, Dekalb County Dept of Watershed Mgmt, Georgia Power, and Verizon.

CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND FROM THE SITE AT ALL TIMES. UTILITY SERVICES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE ANY TEMPORARY INTERRUPTION OF ACCESS OR UTILITIES WITH COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) PRIOR TO THE INTERRUPTION.
2. CONTRACTOR IS RESPONSIBLE FOR SECURING OR OBTAINING LAYDOWN AREAS, TEMPORARY OFFICES, REQUIRED TEMPORARY ELECTRICAL SERVICE AND PROVIDING WATER AS REQUIRED FOR CONSTRUCTION AND LANDSCAPE MAINTENANCE UNTIL SUCH TIME THE OWNER ACCEPTS THE PROJECT AS COMPLETE AND IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS ASSOCIATED WITH DEWATERING.
4. CONTRACTOR SHALL COORDINATE AND GIVE PROPER NOTIFICATIONS TO ALL INSPECTION AGENCIES PRIOR TO START OF THE CONSTRUCTION.
5. CONTRACTOR TO PROVIDE BARRIERS AS REQUIRED TO PREVENT PUBLIC ENTRY TO CONSTRUCTION AREAS AND PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM CONSTRUCTION ACTIVITIES. THE REQUIRED BARRIERS AND DEVICES SHALL BE ERECTED PRIOR TO COMMENCEMENT OF THE WORK.
6. ALL NEW PAVEMENT AND SIDEWALKS SHALL BE CONSTRUCTED FLUSH WITH EXISTING, WITH NO PONDING OF STORMWATER, UNLESS NOTED OTHERWISE.
7. CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS AND VERIFY ALL EXISTING CONDITIONS, COORDINATES, AND DIMENSIONAL INFORMATION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BRING ALL DISCREPANCIES TO THE ATTENTION OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) PRIOR TO STARTING CONSTRUCTION.
8. CONTRACTOR SHALL STOP WORK IN AN AREA WHEN IT IS OBSERVED THAT THE EXISTING SITE CONDITIONS IN THAT AREA DIFFER FROM THOSE PRESENTED IN THE DRAWINGS. SUCH CIRCUMSTANCES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619). THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR DAMAGES RESULTING FROM THE FAILURE TO COMPLY WITH THIS REQUIREMENT. THE CONTRACTOR SHALL BRING ANY DISCREPANCIES IN PLAN, SITE CONDITIONS AND PRIOR WORK TO THE OWNER'S ATTENTION BEFORE ANY ADDITIONAL WORK IS PERFORMED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS. THE COST OF THE AS-BUILT DRAWINGS SHALL BE INCLUDED IN THE SUBMITTED BID.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST AND COORDINATION OF ALL MATERIAL TESTING. TESTING PER GDOT FREQUENCY FOR CONCRETE, BASE, ASPHALT, AND SOIL.

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D

C

B

A



Table with 2 columns: APPENDIX 1 and MARK. Includes dates 11/11/2020 and 11/11/2020, and a description field.

Table with 4 columns: DESIGNED BY, DRAWN BY, SUBMITTED BY, and FILE NAME. Includes dates and file names like 01-000.dwg.

POND logo with address: 3600 Parkway Lane, Clarkston, GA 30025. Phone: 678.387.7740. Fax: 678.387.7744.

CITY OF CLARKSTON
ROWLAND STREET ROAD
DIET AND TRAILHEAD DESIGN
GENERAL NOTES

SHEET IDENTIFICATION NUMBER 04-001

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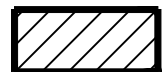












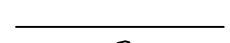
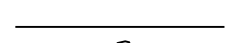
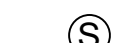
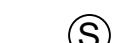







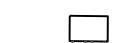
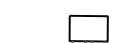



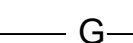


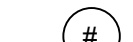














**ABBREVIATIONS**

|         |   |
|---------|---|
| @       | AT  |
| &       | AND                                       |
| ∅       | DIAMETER                                  |
| AC      | ACRES                                     |
| ADS     | ADVANCED DRAINAGE SYSTEMS                 |
| A.K.A.  | ALSO KNOWN AS                             |
| APPROX. | APPROXIMATE                               |
| ASTM    | AMERICAN SOCIETY FOR TESTING OF MATERIALS |
| ATFP    | ANTI-TERRORISM/FORCE PROTECTION           |
| AWWA    | AMERICAN WATER WORKS ASSOCIATION          |
| BLDG.   | BUILDING                                  |
| BC      | BACK OF CURB                              |
| BFP     | BACKFLOW PREVENTER                        |
| BMP     | BEST MANAGEMENT PRACTICE                  |
| BOW     | BOTTOM OF WALL AT FINISHED GRADE          |
| B.S.    | BOTTOM OF STAIR (LAST TREAD)              |
| BSTP    | TELEPHONE PEDESTAL                        |
| BVCE    | BEGINNING VERTICAL CURVE ELEVATION        |
| BVCS    | BEGINNING VERTICAL CURVE STATION          |
| CL      | CENTERLINE                                |
| CB      | CATCH BASIN                               |
| C&G     | CURB AND GUTTER                           |
| C.O.    | CLEAN OUT                                 |
| COR     | CONTRACTING OFFICER'S REPRESENTATIVE      |
| CF      | CUBIC FEET                                |
| CFS     | CUBIC FEET PER SECOND                     |
| C.I.    | CAST IRON                                 |
| CJ      | CONTRACTION JOINT                         |
| CONC.   | CONCRETE                                  |
| CMP     | CORRUGATED METAL PIPE                     |
| CPP     | CORRUGATED PLASTIC PIPE                   |
| CY      | CUBIC YARDS                               |
| DI      | DROP INLET                                |
| DIA.    | DIAMETER                                  |
| D.I.    | DROP INLET                                |
| DIP     | DUCTILE IRON PIPE                         |
| DOT     | DEPARTMENT OF TRANSPORTATION              |
| DWG     | DRAWING                                   |
| E       | EASTING                                   |
| EISA    | ENERGY INDEPENDENCE SECURITY ACT          |
| EJ      | EXPANSION JOINT                           |
| ELEV.   | ELEVATION                                 |
| EOI     | END OF INFORMATION                        |
| EP      | EDGE OF PAVEMENT                          |
| EQUIP   | EQUIPMENT                                 |
| ESMT    | EASEMENT                                  |
| EVCE    | ENDING VERTICAL CURVE ELEVATION           |
| EVCS    | ENDING VERTICAL CURVE STATION             |
| EW      | EACH WAY                                  |
| EX      | EXISTING                                  |
| FDC     | FIRE DEPARTMENT CONNECTION                |
| FEMA    | FEDERAL EMERGENCY MANAGEMENT AGENCY       |
| FES     | FLARED END SECTION                        |
| FFE     | FINISHED FLOOR ELEVATION                  |
| FH      | FIRE HYDRANT                              |
| FKA     | FORMERLY KNOWN AS                         |
| FOM     | FIBER OPTICS MARKER                       |
| FT.     | FEET                                      |
| G       | GAS                                       |
| G.A.B.  | GRADED AGGREGATE BASE                     |
| GAL     | GALLON                                    |
| GP      | GUARD POST                                |
| GV      | GATE VALVE                                |
| HDPE    | HIGH-DENSITY POLYETHYLENE                 |
| HP      | HIGH POINT / DRAINAGE DIVIDE              |
| HW      | HEADWALL                                  |
| HYD     | HYDRANT                                   |
| ICV     | IRRIGATION CONTROL VALVE                  |
| I.E.    | INVERT ELEVATION                          |
| IPF     | IRON PIN FOUND                            |
| INV.    | INVERT                                    |
| IPS     | IRON PIN SET                              |
| IN.     | INCH                                      |
| JB      | JUNCTION BOX                              |
| L       | LENGTH                                    |
| LEV     | LOW EMISSION VEHICLE                      |
| LF      | LINEAR FEET                               |
| LP      | LOW POINT                                 |
| LVC     | LENGTH OF VERTICAL CURVE                  |
| M       | METER                                     |
| MAX.    | MAXIMUM                                   |
| M.E.    | MATCH ELEVATION                           |
| MECH    | MECHANICAL                                |
| MH      | MANHOLE                                   |
| MIN.    | MINIMUM                                   |
| MNS     | MAGNETIC NAIL SET                         |
| MON     | MONUMENT                                  |
| MUTCD   | MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES |
| NCBC    | NORTH CAROLINA BUILDING CODE              |

**ABBREVIATIONS**

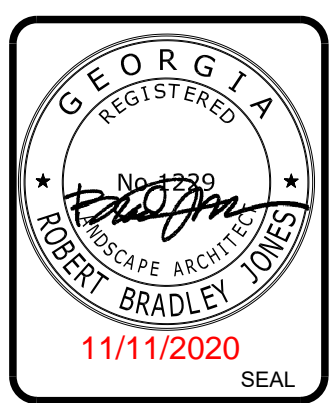
|        |                                 |
|--------|---------------------------------|
| N      | NORTHING                        |
| N/A    | NOT APPLICABLE                  |
| N/F    | NOW OR FORMERLY                 |
| NIC    | NOT IN CONTRACT                 |
| NSA    | NATIONAL STONE ASSOCIATION      |
| O.C.   | ON CENTER                       |
| PCC    | PORTLAND CEMENT CONCRETE        |
| PIV    | POST INDICATOR VALVE            |
| POB    | POINT OF BEGINNING              |
| POV    | PRIVATELY OWNED VEHICLE         |
| PP     | POWER POLE                      |
| PRVT   | PRIVATE                         |
| PROP   | PROPOSED                        |
| PSI    | POUND PER SQUARE INCH           |
| PSUS   | PALMETTO STATE UTILITY SERVICES |
| PVC    | POLYVINYL CHLORIDE              |
| PVI    | POINT OF VERTICAL INTERSECTION  |
| PVMT   | PAVEMENT                        |
| R      | RADIUS                          |
| RCP    | REINFORCED CONCRETE PIPE        |
| RD     | UNDERGROUND ROOF DRAIN          |
| RECP   | ROLLED EROSION CONTROL PRODUCT  |
| R/W    | RIGHT-OF-WAY                    |
| S      | SOUTH                           |
| SD     | STORM DRAIN                     |
| SDWK   | SIDEWALK                        |
| SF     | SQUARE FEET                     |
| SN     | SIGN                            |
| S.R.   | STATE ROUTE                     |
| SS     | SANITARY SEWER                  |
| SSMH   | SANITARY MANHOLE                |
| STA.   | STATION                         |
| STD    | STANDARD                        |
| STRUC. | STRUCTURE                       |
| TBM    | TOPOGRAPHY BENCH MARK           |
| TEMP.  | TEMPORARY                       |
| TOS    | TOP OF SLAB                     |
| T.S.   | TOP OF STAIR (LAST TREAD)       |
| TYP    | TYPICAL                         |
| TOW    | TOP OF WALL                     |
| UDP    | UNIFIED DEVELOPMENT PLAN        |
| VCP    | VITRIFIED CLAY PIPE             |
| W      | WITH                            |
| WM     | WATER METER                     |
| WOS    | WATERS OF THE STATE             |
| WV     | WATER VALVE                     |
| B&B    | BALLED AND BURLAPPED            |
| CAL    | CALIPER                         |

**SYMBOLS LEGEND**

| EXISTING  | NEW   | DESCRIPTION  |
|---|---|--|
| N/A   |    | DEMOLISH AND REMOVE EXISTING ASPHALT AND CONCRETE PAVEMENT |
| N/A   |    | DEMOLISH SITE UTILITY                                      |
| N/A   | X   | DEMOLISH SITE FEATURE                                      |
| N/A   |    | LIMITS OF DISTURBANCE                                      |
| 3   | 33  | 1' CONTOUR   |
| 5   | 35  | 5' CONTOUR   |
|    |    | DOUBLE WING CATCH BASIN                                    |
| N/A   |    | DROP INLET   |
| N/A   |    | FLARED END SECTION   |
| N/A   |    | GRATE INLET  |
| N/A   |    | JUNCTION BOX   |
|    |    | STORM DRAIN PIPE   |
| N/A   |    | UNDERGROUND ROOF DRAIN PIPE                                |
| N/A   |    | SURFACE FLOW DIRECTION                                     |
| x ELEV  | ELEV  | SPOT ELEVATION   |
| N/A   |    | DRAINAGE SWALE   |
| N/A   |    | RIP RAP  |
| SS  | SS  | SANITARY SEWER LINE - GRAVITY                              |
|    |    | SANITARY SEWER MANHOLE                                     |
|    |    | SANITARY SEWER CLEANOUT                                    |
| w   | F   | WATER MAIN - FIRE PROTECTION                               |
| w   | W   | WATER MAIN - DOMESTIC                                      |
|    |    | WATER METER  |
| N/A   |    | POST INDICATOR VALVE                                       |
|    |    | WATER VALVE  |
| N/A   |  | FIRE DEPARTMENT CONNECTION                                 |
| N/A   |  | FIRE HYDRANT   |
| N/A   |  | REDUCER  |
| N/A   |  | GAS LINE   |
|  | N/A   | GAS VALVE  |
|  | N/A   | OVERHEAD ELECTRIC  |
| UE  | E   | UNDERGROUND ELECTRIC                                       |
| UC  | N/A   | UNDERGROUND COMMUNICATION                                  |
|  | N/A   | COMMUNICATION MANHOLE                                      |
|  | N/A   | UNDERGROUND FIBER OPTIC TRANSFORMER                        |
| N/A   |  | NUMBER OF PARKING SPACES                                   |
|  | N/A   | POWER POLE   |
|  | N/A   | LIGHT POLE   |
|  | N/A   | CHAINLINK FENCE  |
|  | N/A   | TREE   |
|  | N/A   | SILT FENCE   |
|  | TPF   | TREE PROTECTION FENCE                                      |
|  |  | SIGN   |
| N/A   |  | HEADWALL   |
| N/A   |  | JUNCTION BOX   |
|  | N/A   | MONITORING WELL  |
|  | N/A   | MAIL BOX   |
| N/A   | UD  | UNDER DRAINS   |
| x 1004.1  |  | SPOT ELEVATION   |
|  | x   | PROPERTY LINE  |



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|            |             |
|------------|-------------|
| 11/11/2020 | DATE        |
| APPENDIX 1 | DESCRIPTION |
| MARK       | MARK        |

DESIGNED BY: RBJ DATE: 11/11/2020  
 DRAWN BY: SBT CAD BY: WWT SOLICITATION NO.:  
 CHECKED BY: WWT CONTRACT NO.:  
 SUBMITTED BY: FILE NAME: 01-000.dwg FILE NUMBER:  
 PLOT DATE: 11/11/2020  
 PLOT SCALE: 2" = 34' 1:1

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C - ROWLAND STREET TRAILHEAD DESIGN

3000 Parkway Lane  
 Clarkston, GA 30025  
 Phone: 678.387.7740  
 Fax: 678.387.7744

**POND**  
 POND PROJECT No. 1180426

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

LEGEND & ABBREVIATIONS

SHEET IDENTIFICATION NUMBER  
**04-002**

SUMMARY OF QUANTITIES UPDATED

1

D

C

B

A

| City of Clarkston, DeKalb County<br>SPLOST 4C - ROWLAND STREET ROAD DIET/SHARED STREET |  |      |    |            |      |
|--|--|------|----|------------|------|
| ITEM CODE  | ITEM DESCRIPTION   | QTY  | UM | UNIT PRICE | COST |
| 150-1000   | TRAFFIC CONTROL  | 1    | LS |            |      |
| 151-1000   | MOBILIZATION   | 1    | LS |            |      |
| 210-0100   | GRADING COMPLETE   | 1    | LS |            |      |
| 222-2001   | AGGREGATE DRAINAGE COURSE, TP 1  | 45   | CY |            |      |
| 402-3130   | RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME, 660 LB/SY - 6" shared area  | 215  | TN |            |      |
| 402-3130   | RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME, 220 LB/SY - Street repaving | 252  | TN |            |      |
| 432-0210   | MILL ASPH CONC PVMT, 2 1/2 IN DEPTH  | 1833 | SY |            |      |
| 437-1300   | STRAIGHT GRANITE CURB, 5 IN X 16 IN, TP A  | 2780 | LF |            |      |
| 437-1301   | STRAIGHT GRANITE CURB, 5 IN X 16 IN, TP A - WIER NOTCH   | 40   | LF |            |      |
| 441-0006   | CONC SLOPE PAV, 6 IN - BIOSWALE APRONS   | 23   | SY |            |      |
| 441-0018   | DRIVEWAY CONCRETE, 8 IN TK   | 140  | SY |            |      |
| 441-0104   | CONC SIDEWALK, 4 IN  | 1110 | SY |            |      |
| 441-0740   | CONCRETE MEDIAN, 4 IN  | 50   | SY |            |      |
| 441-6012   | CONC CURB & GUTTER, 6 IN X 24 IN, TP 2   | 33   | LF |            |      |
| 500-9999   | CLASS B CONC, BASE OR PVMT WIDENING - PAVR CROSSWALK BASE  | 8    | CY |            |      |
| 500-9999   | CLASS B CONC, BASE OR PVMT WIDENING - GRANITE CURB BASE  | 88   | CY |            |      |
| 515-2015   | GALV STEEL PIPE HANDRAIL   | 13   | LF |            |      |
| 550-1180   | STORM DRAIN PIPE, 18 IN, H 1-10 (HDPE)   | 568  | LF |            |      |
| 550-1180   | STORM DRAIN PIPE, 18 IN, H 1-10 (RCP)  | 113  | LF |            |      |
| 607-4100   | STONE SEAT WALL  | 172  | SF |            |      |
| 610-0001   | TREE REMOVAL - OVER 12" DBH  | 3    | EA |            |      |
| 610-0400   | REM CONC HDR CURB ALL SIZES  | 229  | LF |            |      |
| 610-0401   | REMOVE AND SALVAGE GRANITE CURB - SURRENDER TO CITY  | 1613 | LF |            |      |
| 610-2815   | REM CONC SIDEWALK  | 47   | SY |            |      |
| 611-8050   | ADJUST MANHOLE TO GRADE  | 3    | EA |            |      |
| 611-8055   | ADJUST MINOR STRUCTURE TO GRADE (CLEANOUTS)  | 2    | EA |            |      |
| 611-8120   | ADJUST WATER METER BOX TO GRADE  | 8    | EA |            |      |
| 611-8140   | ADJUST WATER VALVE BOX TO GRADE  | 5    | EA |            |      |
| 615-2540   | JACK AND BORE PIPE   | 70   | LF |            |      |
| 636-1041   | HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9  | 58   | SF |            |      |
| 636-2070   | GALV STEEL POSTS, TP 7   | 100  | LF |            |      |

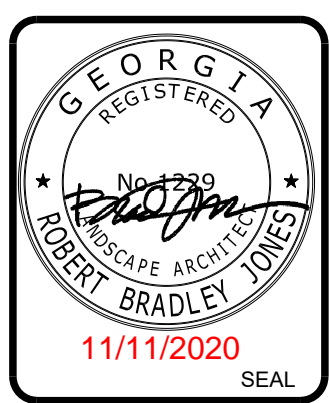
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| 652-9000 | TRAFFIC STRIPE, GREEN                                      | 44   | SY |  |  |
| 653-0105 | PAVEMENT MARKING, BKE SHARED LANE SYMBOL                   | 3    | EA |  |  |
| 653-0250 | THERMOPLASTIC PVMT MARKING, WORD, TP 5                     | 2    | EA |  |  |
| 653-0289 | THERMOPLASTIC PVMT MARKING, WORD, CUSTOM, 25 SF EA         | 2    | EA |  |  |
| 653-1501 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE               | 4690 | LF |  |  |
| 653-1502 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW - Norman Rd  | 321  | LF |  |  |
| 653-1704 | THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE              | 27   | LF |  |  |
| 653-1706 | THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, YELLOW             | 81   | LF |  |  |
| 653-1804 | THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE               | 1031 | LF |  |  |
| 653-6004 | THERMOPLASTIC TRAF STRIPING, WHITE - speed table triangles | 2    | SY |  |  |
| 668-2100 | DROP INLET, GP 1   | 4    | EA |  |  |
| 668-7018 | DRAIN INLET, 18 IN (NYLOPLAST INLET WITH DOME GRATE)       | 6    | EA |  |  |
| 700-9300 | SOD  | 600  | SY |  |  |
| 702-0058 | ASCLEPIAS TUBEROSA 'HELLO YELLOW'                          | 243  | EA |  |  |
| 702-0117 | CAREX AMPHIBOLA  | 66   | EA |  |  |
| 702-0140 | CERCIS CANADENSIS  | 1    | EA |  |  |
| 702-0479 | ITEA VIRGINICA   | 48   | EA |  |  |
| 702-0487 | JUNCUS EFFUSUS   | 50   | EA |  |  |
| 702-0542 | LAGERSTROEMIA X 'BLOXT'                                    | 2    | EA |  |  |
| 702-0678 | MUHLENBERGIA CAPILLARIS                                    | 44   | EA |  |  |
| 702-0679 | MUHLENBERGIA CAPILLARIS 'WHITE CLOUD'                      | 82   | EA |  |  |
| 702-0700 | NYSSA SYLVATICA  | 9    | EA |  |  |
| 702-0900 | CONOCLINIUM COELESTINUM                                    | 62   | EA |  |  |
| 702-0901 | ERYNGIUM YUCCIFOLIUM                                       | 86   | EA |  |  |
| 702-0902 | CAREX CHEROKEENSIS   | 181  | EA |  |  |
| 702-9025 | LANDSCAPE MULCH  | 500  | SY |  |  |
| 708-1000 | PLANT TOPSOIL - BIORETENTION SOIL                          | 130  | CY |  |  |
| 900-0037 | CONCRETE PAVERS - MATCH STREETSCAPE                        | 555  | SF |  |  |
| 900-0038 | PAVERS - CROSSWALK - SALVAGED GRANITE CURB - 586 SF        | 465  | LF |  |  |
| 900-0527 | REMOVABLE BOLLARDS   | 6    | ea |  |  |
| 900-0528 | GRANITE BOLLARDS WITH CHAIN                                | 8    | ea |  |  |
| 900-0529 | GRANITE BOLLARDS   | 4    | ea |  |  |
|          | CONCRETE STAIRS  | 46   | LF |  |  |
|          | LANDSCAPE BOULDERS   | 10   | TN |  |  |

| HILL STREET                                 |   |      |    |            |      |
|---|---|------|----|------------|------|
| ITEM CODE                                   | ITEM DESCRIPTION  | QTY  | UM | UNIT PRICE | COST |
| 402-3130                                    | RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME, 220 LB/SY - Hill Street Repaving | 72   | TN |            |      |
| 432-0210                                    | MILL ASPH CONC PVMT, 2 1/2 IN DEPTH   | 1833 | SY |            |      |
| 437-1300                                    | STRAIGHT GRANITE CURB, 5 IN X 16 IN, TP A   | 380  | LF |            |      |
| 437-2600                                    | CIRCULAR GRANITE CURB, 5 IN X 16 IN, TP A   | 34   | LF |            |      |
| 653-1501                                    | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE  | 776  | LF |            |      |
| 700-9300                                    | SOD   | 500  | SY |            |      |
| 702-0886                                    | QUERCUS LYRATA 'QLFTB' TM   | 6    | EA |            |      |
| ADDITIONAL ITEMS IF ORDERED BY THE ENGINEER |   |      |    |            |      |
|   | REMOVAL OF UNSUITABLE MATERIAL AND REPLACEMENT WITH SUITABLE EARTH MATERIAL                                 | 50   | CY |            |      |
|   | REMOVAL OF UNSUITABLE MATERIAL AND REPLACEMENT WITH GRADED AGGREGATE BASE                                   | 50   | CY |            |      |
| 310-1101                                    | GR AGGR BASE CRS, INCL MATL   | 10   | TN |            |      |

| City of Clarkston, DeKalb County<br>SPLOST 4B - PATH TRAILHEAD IMPROVEMENTS |   |     |    |            |      |
|---|---|-----|----|------------|------|
| ITEM CODE   | ITEM DESCRIPTION  | QTY | UM | UNIT PRICE | COST |
| 151-1000  | MOBILIZATION  | 1   | LS |            |      |
| 210-0100  | GRADING COMPLETE  | 1   | LS |            |      |
| 310-5040  | GR AGGR BASE CRS, 4 INCH, INCL MATL   | 141 | SY |            |      |
| 441-0104  | CONC SIDEWALK, 4 IN   | 110 | SY |            |      |
| 515-2015  | GALV STEEL PIPE HANDRAIL  | 30  | LF |            |      |
| 550-1080  | STORM DRAIN PIPE, 8 IN, H 1-10 HDPE   | 56  | LF |            |      |
| 607-4100  | STONE SEAT WALL   | 270 | SF |            |      |
| 610-2815  | REM CONC SIDEWALK   | 32  | SY |            |      |
| 643-8200  | BARRIER FENCE (ORANGE), 4 FT TREE PROTECTION FENCE                          | 247 | LF |            |      |
| 643-8210  | WOOD PRIVACY FENCE (6' HT.)   | 168 | LF |            |      |
| 643-8300  | ORNAMENTAL FENCE (3' HT.)   | 126 | LF |            |      |
| 668-7008  | DRAIN INLET, 8 IN WITH BEEHIVE GRATE  | 1   | EA |            |      |
| 700-9300  | ZOYSIA JAPONICA 'EMERALD'   | 400 | SY |            |      |
| 702-0063  | AZALEA ENCORE 'AUTUMN TWIST' TM   | 19  | EA |            |      |
| 702-0106  | CALLICARPA AMERICANA  | 8   | EA |            |      |
| 702-0118  | CAREX AMPHIBOLA   | 10  | EA |            |      |
| 702-0140  | CERCIS CANADENSIS 'APPALACHIAN RED'   | 2   | EA |            |      |
| 702-0180  | CORNUS FLORIDA 'CHEROKEE PRINCESS'  | 3   | EA |            |      |
| 702-0479  | ITEA VIRGINICA 'LITTLE HENRY' TM  | 7   | EA |            |      |
| 702-0487  | JUNCUS EFFUSUS  | 12  | EA |            |      |
| 702-0520  | JUNIPERUS VIRGINIANA  | 3   | EA |            |      |
| 702-0630  | MAGNOLIA GRANDIFLORA 'BRACKENS BROWN BEAUTY'                                | 3   | EA |            |      |
| 702-0684  | ILEX X 'NELLIE R STEVENS'   | 14  | EA |            |      |
| 702-0886  | QUERCUS LYRATA 'QLFTB' TM   | 4   | EA |            |      |
| 702-0900  | CONOCLINIUM COELESTINUM   | 10  | EA |            |      |
| 702-0901  | ERYNGIUM YUCCIFOLIUM  | 11  | EA |            |      |
| 702-0902  | CAREX CHEROKEENSIS  | 24  | EA |            |      |
| 754-4001  | RELOCATE TRASH RECEPTACLE   | 1   | EA |            |      |
| 754-5000  | BENCH   | 1   | EA |            |      |
| 754-5001  | RELOCATE BENCH  | 2   | EA |            |      |
| 754-6000  | BKE RACK  | 2   | EA |            |      |
| 754-6001  | BKE REPAIR STATION  | 1   | EA |            |      |
| 754-7000  | PET WASTE STATION   | 1   | EA |            |      |
|   | GATEWAY MARKER  | 1   | LS |            |      |
|   | 8" FLARED END TREATMENT   | 1   | EA |            |      |
|   | CONCRETE STAIRS   | 66  | LF |            |      |
|   | INTERPRETIVE MARKER   | 1   | EA |            |      |
| BIOSWALE PLAZA  |   |     |    |            |      |
| 222-2001  | AGGREGATE DRAINAGE COURSE, TP 1   | 15  | CY |            |      |
| 232-0001  | RAIL FABRICATION  | 69  | LF |            |      |
| 441-9998  | CONCRETE CROSS TIES   | 51  | LF |            |      |
| 900-0037  | PERVIOUS PAVERS   | 150 | SF |            |      |
| 999-0060  | BIORETENTION SOIL   | 22  | CY |            |      |
|   | SALVAGED GRANITE CURB   | 75  | LF |            |      |
|   | CONCRETE BORDER   | 50  | LF |            |      |
| ADDITIONAL ITEMS IF ORDERED BY THE ENGINEER                                 |   |     |    |            |      |
|   | REMOVAL OF UNSUITABLE MATERIAL AND REPLACEMENT WITH SUITABLE EARTH MATERIAL | 50  | CY |            |      |
|   | REMOVAL OF UNSUITABLE MATERIAL AND REPLACEMENT WITH GRADED AGGREGATE BASE   | 50  | CY |            |      |
| 310-1101  | GR AGGR BASE CRS, INCL MATL   | 10  | TN |            |      |

| City of Clarkston, DeKalb County<br>SPLOST 4C - ROWLAND STREET IMPROVEMENTS (REPAVING) |  |      |    |            |      |
|--|--|------|----|------------|------|
| ITEM CODE  | ITEM DESCRIPTION   | QTY  | UM | UNIT PRICE | COST |
| 150-1000   | TRAFFIC CONTROL  | 1    | LS |            |      |
| 151-1000   | MOBILIZATION/GRADING COMPLETE  | 1    | LS |            |      |
| 402-3130   | RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME, 220 LB/SY | 475  | TN |            |      |
| 413-0750   | TACK COAT  | 519  | GL |            |      |
| 432-0210   | MILL ASPH CONC PVMT, 2 1/2 IN DEPTH  | 4324 | SY |            |      |
| 611-8050   | ADJUST MANHOLE TO GRADE  | 5    | EA |            |      |
| 636-1041   | HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9  | 54   | SF |            |      |
| 636-2070   | GALV STEEL POSTS, TP 7   | 117  | LF |            |      |
| 652-9000   | TRAFFIC STRIPE, GREEN  | 14   | SY |            |      |
| 653-0105   | PAVEMENT MARKING, BKE SHARED LANE SYMBOL   | 16   | EA |            |      |
| 653-1704   | THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE  | 24   | LF |            |      |
|  | TRAFFIC CALMING  | 1    | LS |            |      |

| City of Clarkston, DeKalb County<br>SPLOST 4B-C - EROSION CONTROL ALL AREAS |   |       |    |            |      |
|---|---|-------|----|------------|------|
| ITEM CODE   | ITEM DESCRIPTION                          | QTY   | UM | UNIT PRICE | COST |
| 163-0232  | TEMPORARY GRASSING                        | 0.2   | AC |            |      |
| 163-0240  | MULCH                                     | 40    | TN |            |      |
| 163-0300  | CONSTRUCTION EXIT                         | 1     | EA |            |      |
| 163-0550  | CONSTRUCT AND REMOVE INLET SEDIMENT TRAP  | 15    | EA |            |      |
| 165-0010  | MAINTENANCE OF TEMPORARY SILT FENCE, TP A | 130   | LF |            |      |
| 165-0101  | MAINTENANCE OF CONSTRUCTION EXIT          | 1     | EA |            |      |
| 165-0105  | MAINTENANCE OF INLET SEDIMENT TRAP        | 91.32 | EA |            |      |
| 171-0010  | TEMPORARY SILT FENCE, TYPE A              | 130   | LF |            |      |



| APPR. | DATE       | DESCRIPTION | MARK |
|-------|------------|-------------|------|
|       | 11/11/2020 |             |      |

DESIGNED BY: RBJ  
DRAWN BY: GBT  
CHECKED BY: JMY  
SUBMITTED BY: [Signature]  
DATE: 11/11/2020

SOLICITATION NO.:  
CONTRACT NO.:  
FILE NUMBER:  
PLOT DATE: 11/11/2020

CITY OF CLARKSTON  
SPLOST PEDESTRIAN PROJECT B & C - ROWLAND STREET TRAILHEAD DESIGN

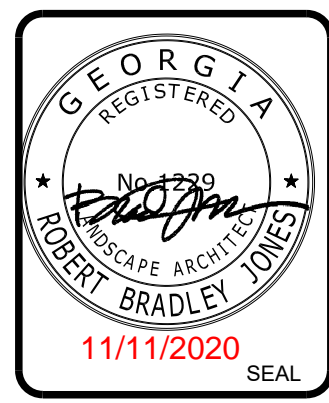
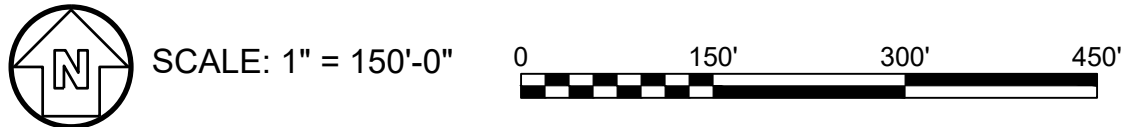
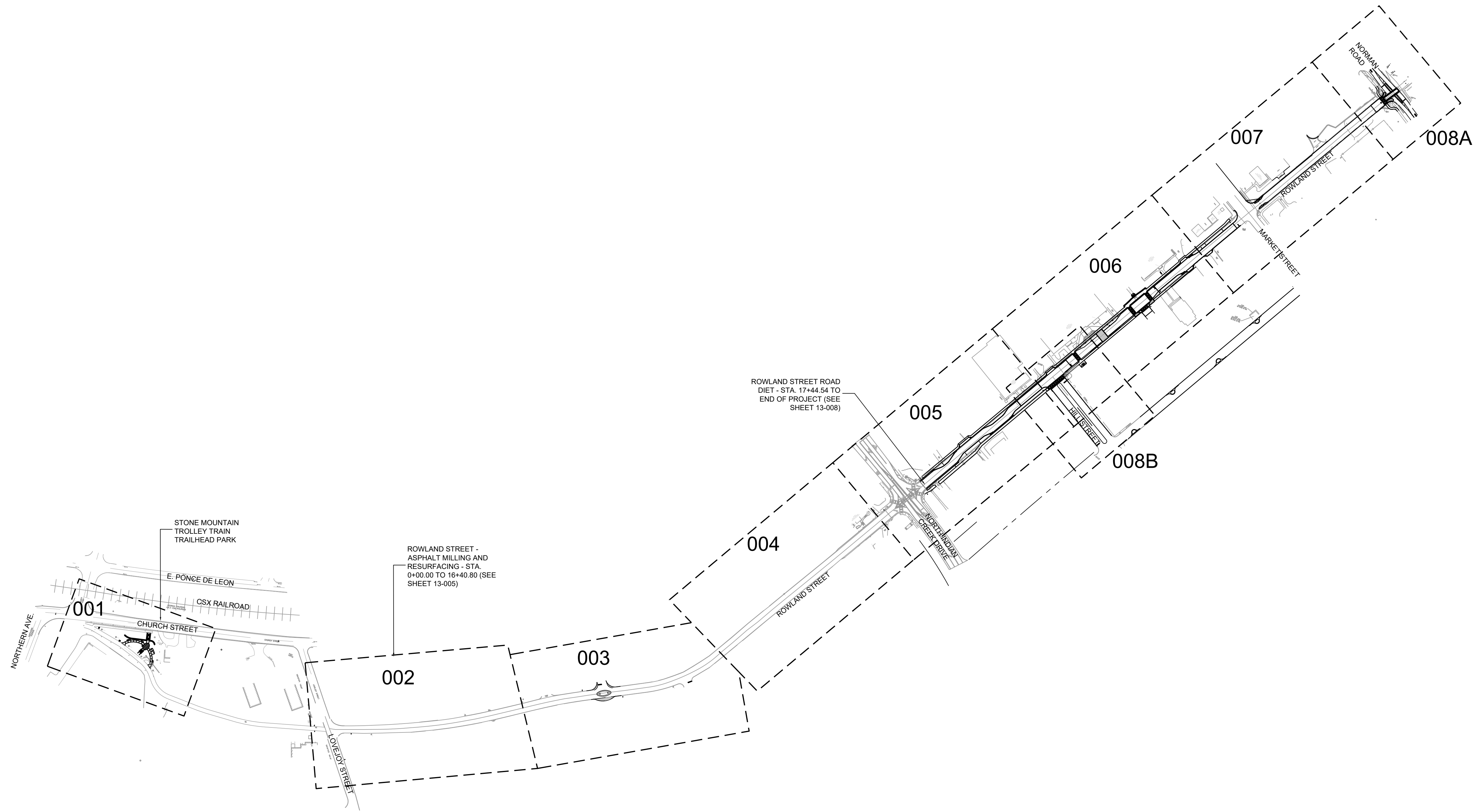
3600 Parkway Lane  
Clarkston, GA 30026  
Phone: 678.357.7740  
Fax: 678.357.7744

POND PROJECT No. 1180426

ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN  
SUMMARY OF QUANTITIES

SHEET IDENTIFICATION NUMBER  
06-000

FILE PATH: X:\FY19\190154\04-CAD\_BIM\04.02.CAD\ROWLAND\_TRAILHEAD\13-001.DWG PLOTTED BY: THOMPSON, SYDNEY



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |

|                  |                 |                       |
|------------------|-----------------|-----------------------|
| DESIGNED BY: RBJ | DATE:           | SOLICITATION NO.:     |
| DWN BY: SPT      | CHK BY: MAW     | CONTRACT NO.:         |
| SUBMITTED BY:    | FILE NAME:      | FILE NUMBER:          |
|                  | 13-001.dwg      |                       |
|                  | SIZE: 22" x 34" | PLOT SCALE: 1" = 11'  |
|                  |                 | PLOT DATE: 11/11/2020 |

CITY OF CLARKSTON  
 SPLST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 3000 Parkway Lane GA  
 30092 SUITE 500  
 Phone 678.389.7740  
 POND PROJECT No.1180426 Fax: 678.389.7744

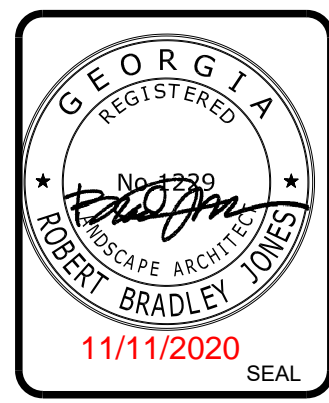
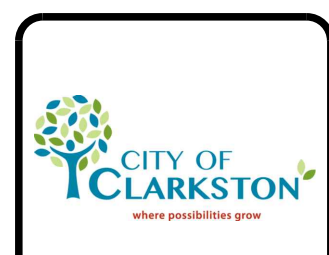
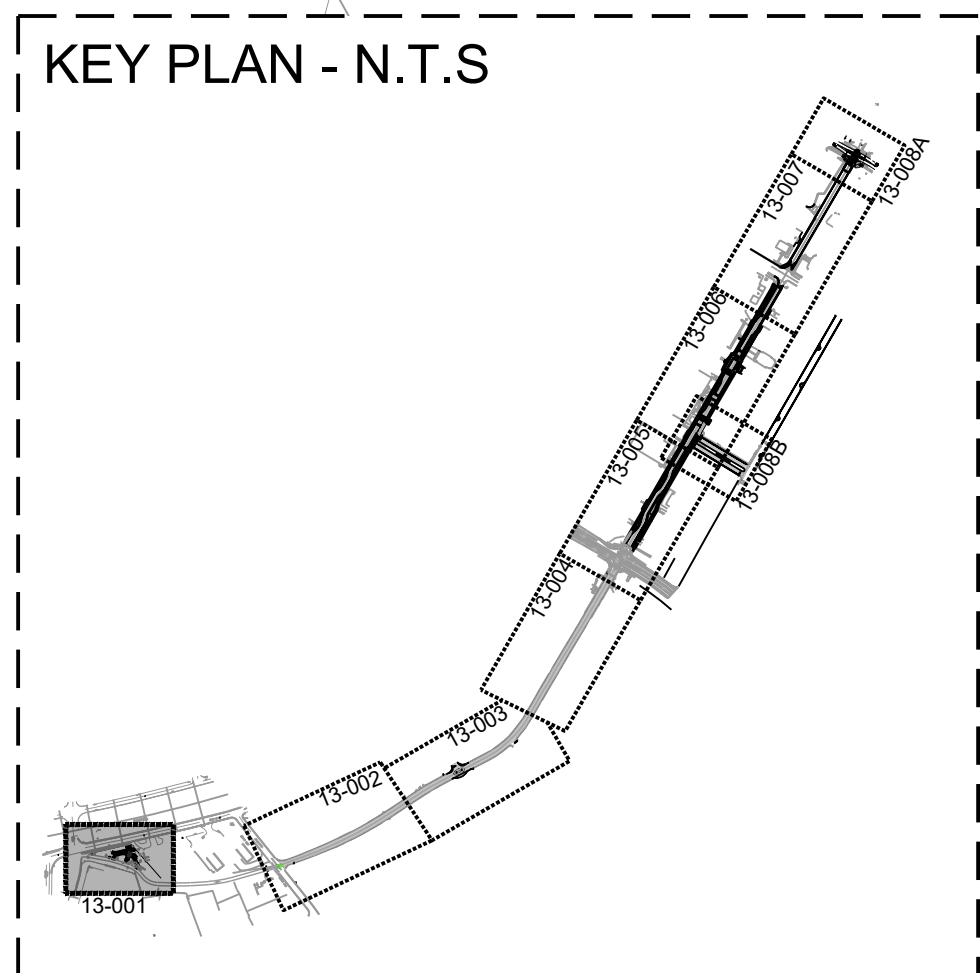
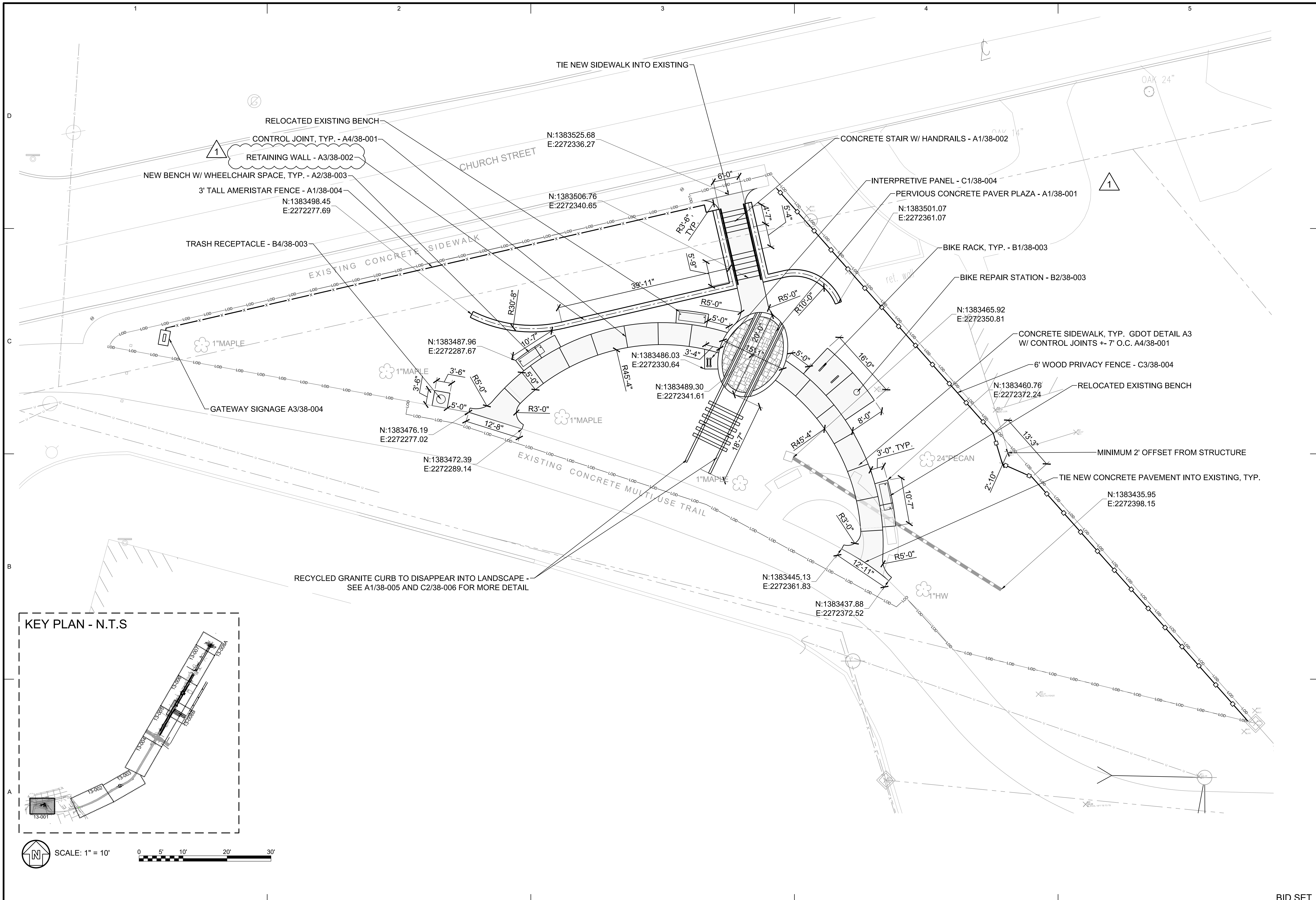
**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

OVERALL PLAN

SHEET  
 IDENTIFICATION  
 NUMBER  
**13-000**

BID SET

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| ADDENDUM | DATE       | DESCRIPTION |
|----------|------------|-------------|
| 1        | 11.11.2020 |             |

|                  |             |                   |               |              |            |
|------------------|-------------|-------------------|---------------|--------------|------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: | CONTRACT NO.: | FILE NUMBER: | FILE DATE: |
| DWN BY: SPT      | CRD BY: MAW |                   |               |              |            |
| SUBMITTED BY:    |             |                   |               |              |            |
|                  |             |                   |               |              |            |
|                  |             |                   |               |              |            |
|                  |             |                   |               |              |            |

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 POND PROJECT No. 1180426

3000 Parkway Lane  
 Suite 500  
 Clarkston, GA 30009  
 Phone 678.398.7740  
 Fax 678.398.7744

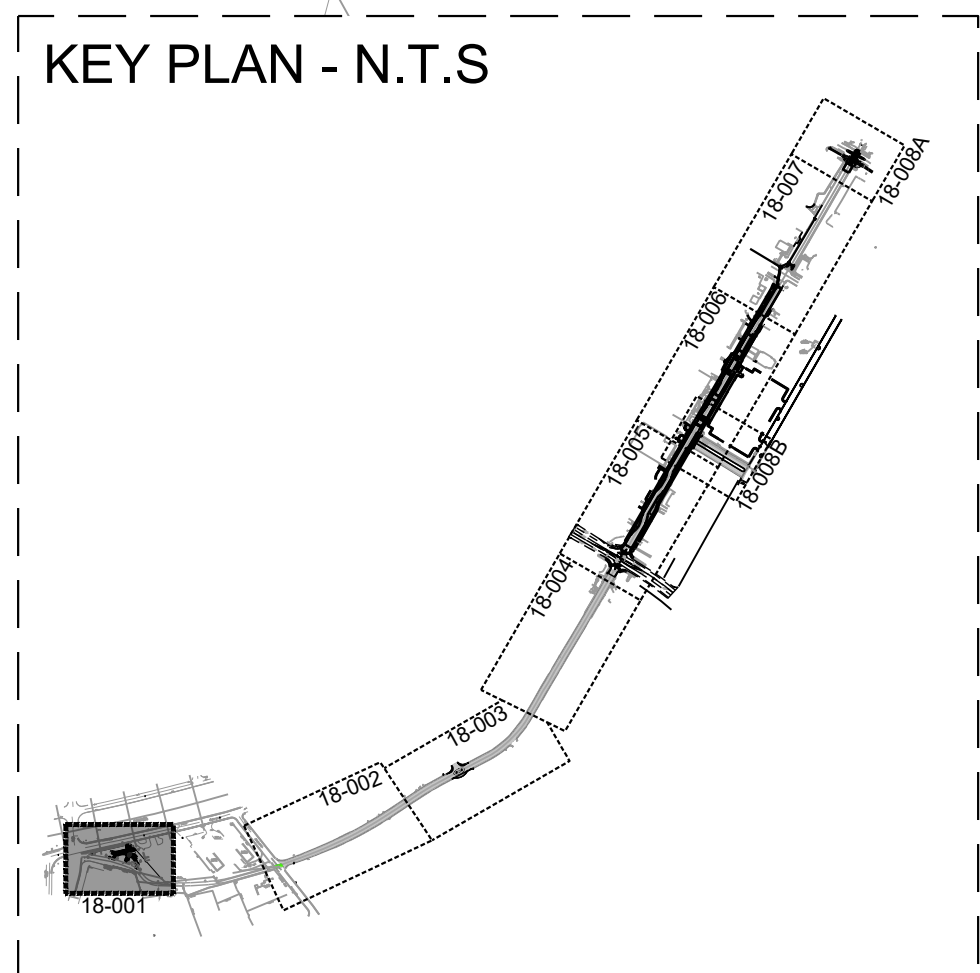
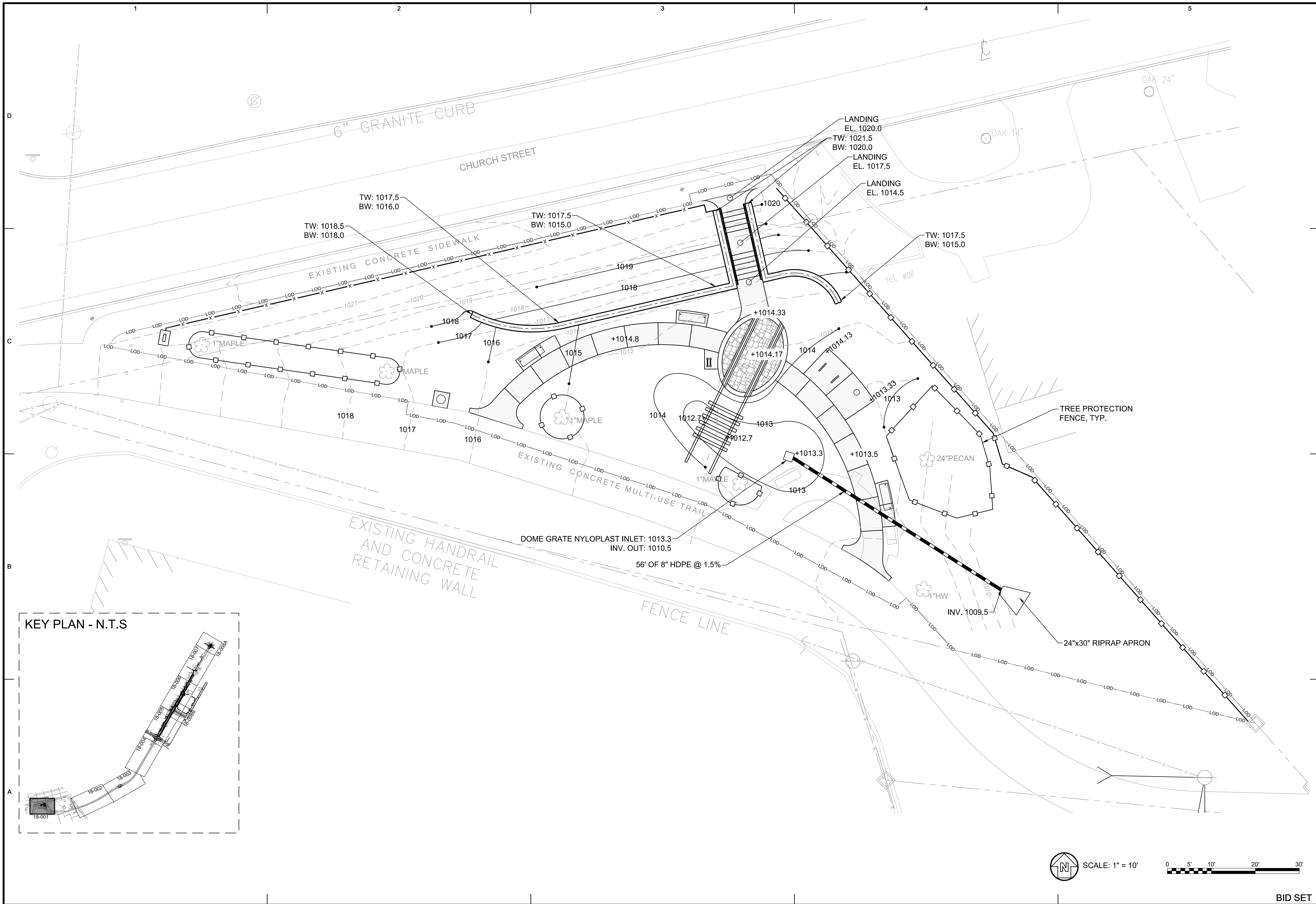
**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**


TRAILHEAD SITE PLAN

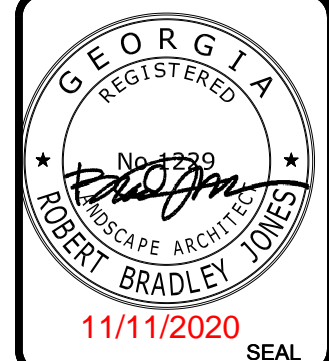
SHEET IDENTIFICATION NUMBER  
**13-001**

BID SET

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| NO. | REVISION   | DATE       | DESCRIPTION |
|-----|------------|------------|-------------|
| 1   | ADDENDUM 1 | 11.11.2020 |             |

|                  |       |                   |               |
|------------------|-------|-------------------|---------------|
| DESIGNED BY: RBJ | DATE: | SOLICITATION NO.: | CONTRACT NO.: |
| DRAWN BY: MAM    |       |                   |               |
| SPT              |       |                   |               |
| SUBMITTED BY:    |       | FILE NAME:        | FILE NUMBER:  |
|                  |       | 18-001.dwg        |               |
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|                  |       | 22" x 34"         | 1" = 11'      |
|                  |       |                   | PLOT DATE:    |
|                  |       |                   | 11/11/2020    |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 3000 Parkway Lane GA  
 30096 SUITE 500  
 Phone 678.398.7740  
 POND PROJECT No. 1180426 Fax: 678.398.7744

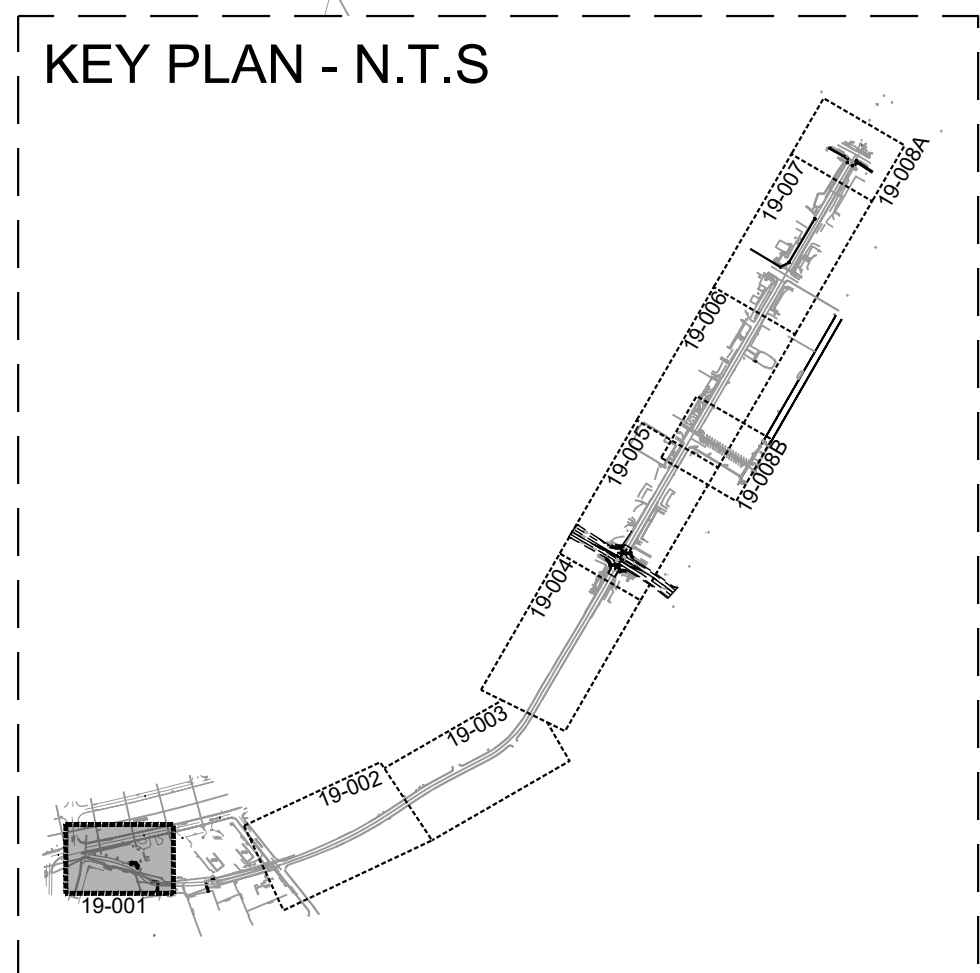
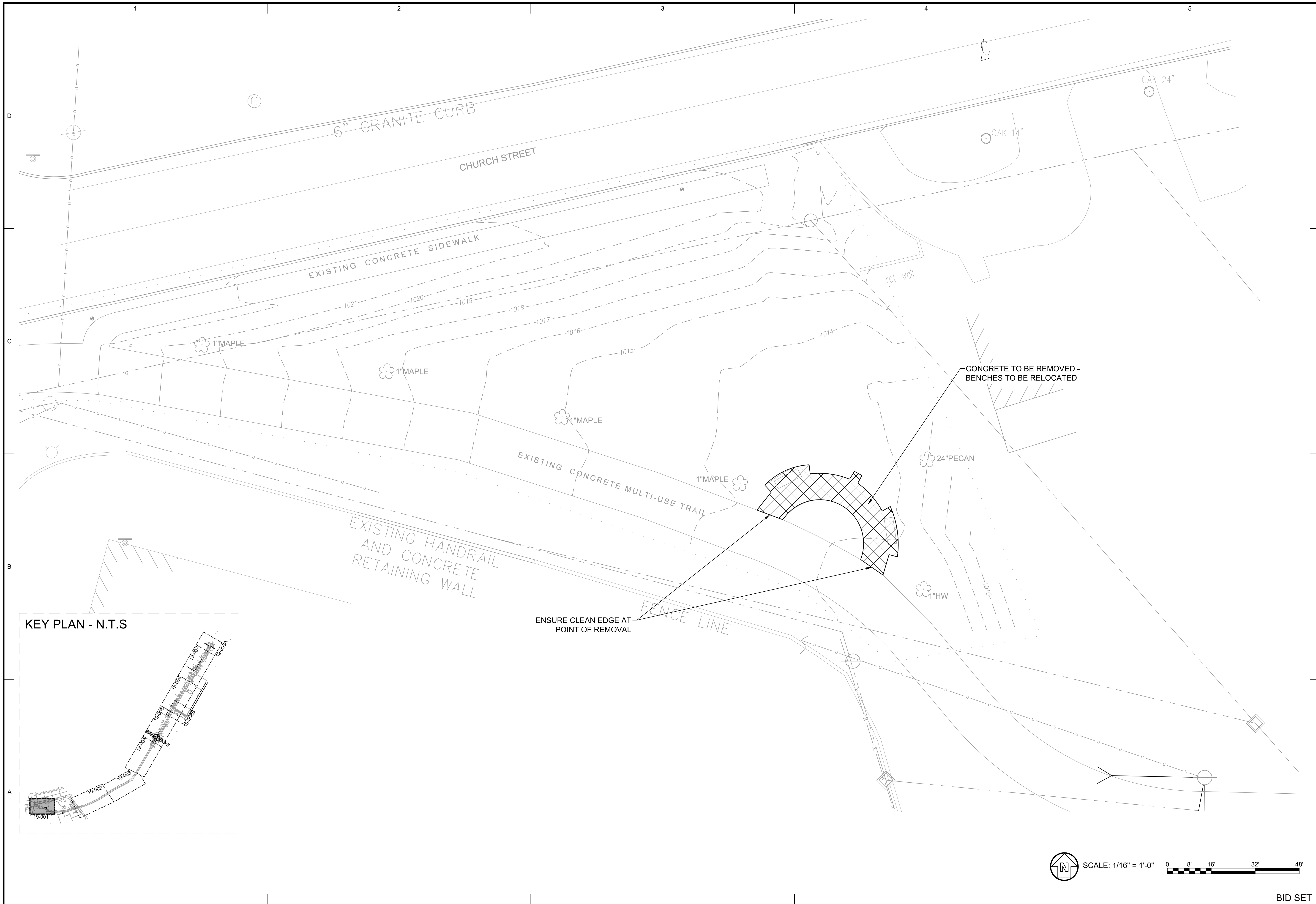
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| <b>ROWLAND STREET ROAD<br/>DIET AND TRAILHEAD DESIGN</b> | <b>TRAIL HEAD GRADING PLAN</b> |
|--|--------------------------------|

|  |
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| SHEET<br>IDENTIFICATION<br>NUMBER<br><b>18-001</b> |
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BID SET



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CITY OF CLARKSTON  
www.clarkstonga.com

| NO. | ADDENDUM   | DATE       | DESCRIPTION | MARK | DATE | APPR. |
|-----|------------|------------|-------------|------|------|-------|
| 1   | ADDENDUM 1 | 11.11.2020 |             |      |      |       |

DESIGNED BY: RBJ

DRAWN BY: SPT

CHK BY: MAM

SUBMITTED BY:

DATE:

SOLICITATION NO.:

CONTRACT NO.:

FILE NAME: 19-001.dwg

FILE NUMBER: 11112020

SIZE: 22" x 34"

PLOT SCALE: 1" = 11'

CITY OF CLARKSTON

SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

3000 Parkway Lane GA  
30092 SUITE 500  
Phone 678.398.7740  
POND PROJECT No. 1180426 Fax: 678.398.7744

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

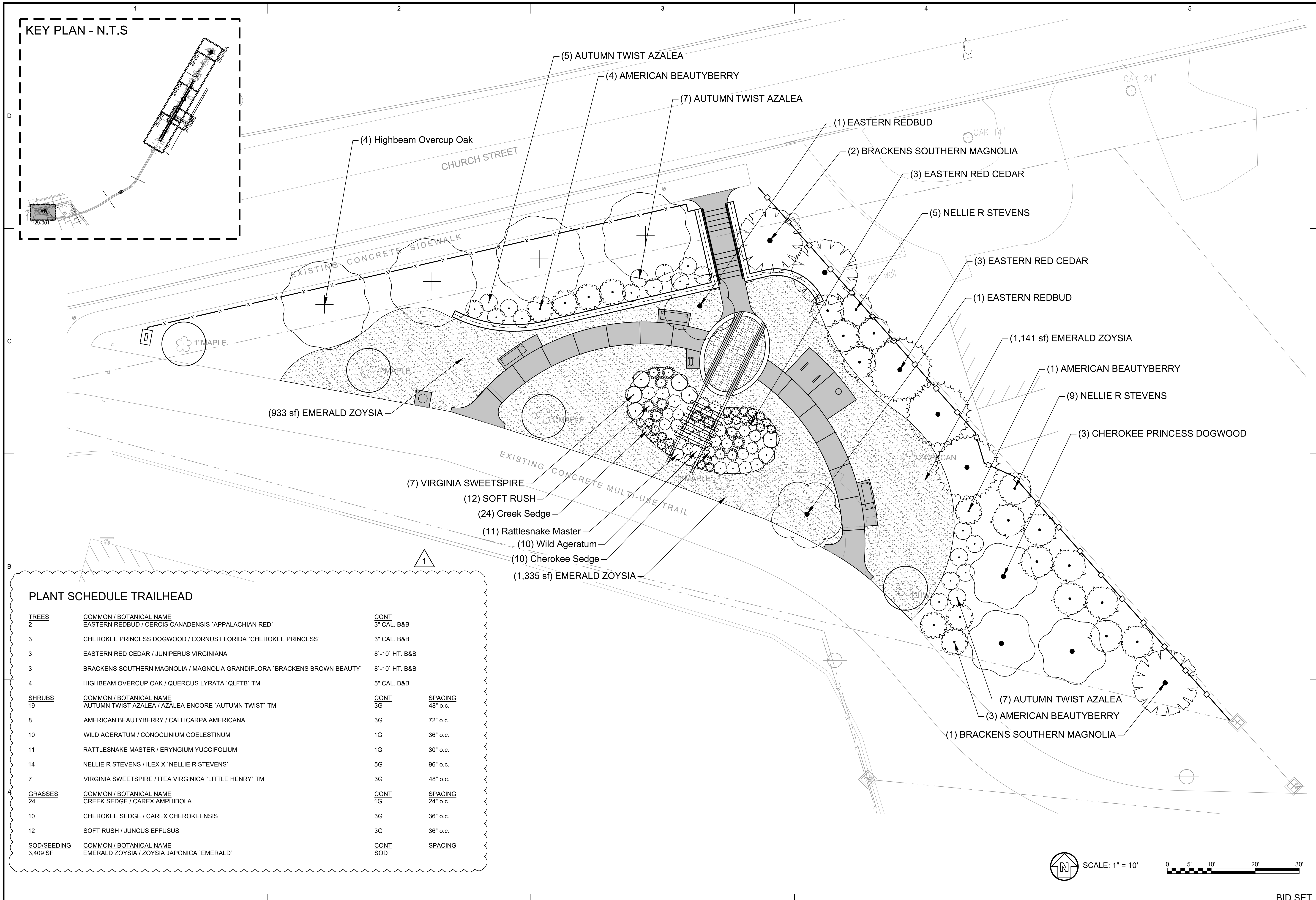
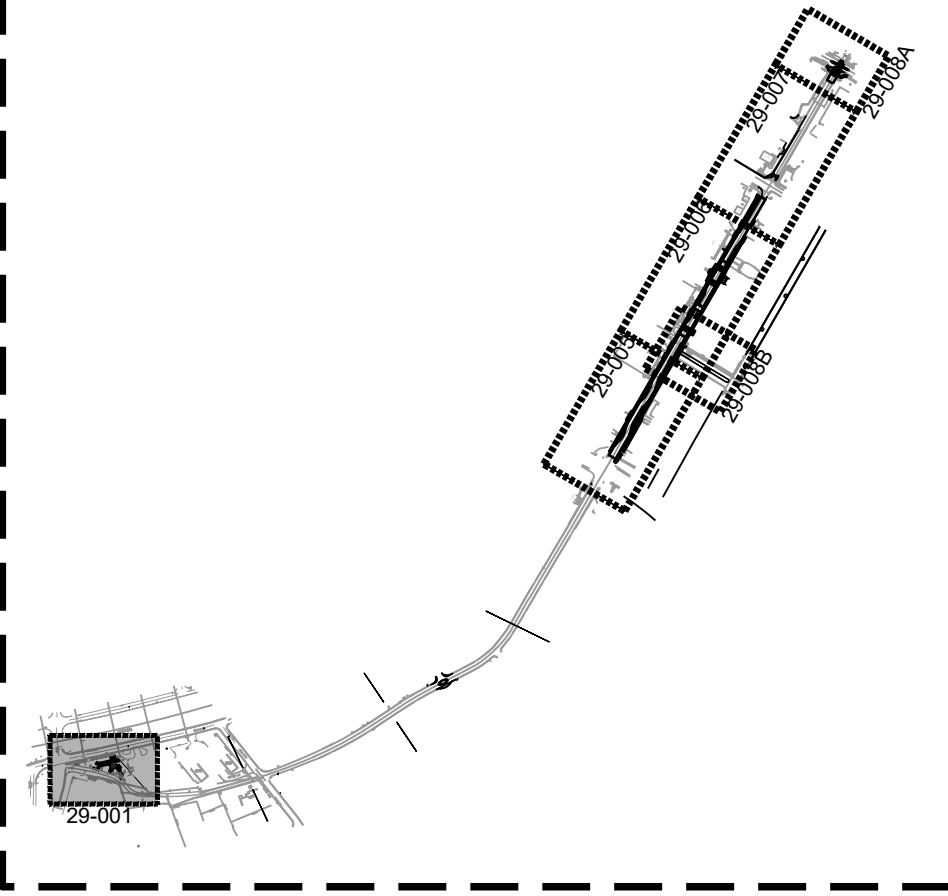
**TRAILHEAD DEMOLITION PLAN**

SHEET IDENTIFICATION NUMBER

**19-001**

BID SET

KEY PLAN - N.T.S



PLANT SCHEDULE TRAILHEAD

| TREES       | COMMON / BOTANICAL NAME   | CONT           |          |
|-------------|---|----------------|----------|
| 2           | EASTERN REDBUD / CERCIS CANADENSIS 'APPALACHIAN RED'                      | 3" CAL. B&B    |          |
| 3           | CHEROKEE PRINCESS DOGWOOD / CORNUS FLORIDA 'CHEROKEE PRINCESS'            | 3" CAL. B&B    |          |
| 3           | EASTERN RED CEDAR / JUNIPERUS VIRGINIANA                                  | 8'-10' HT. B&B |          |
| 3           | BRACKENS SOUTHERN MAGNOLIA / MAGNOLIA GRANDIFLORA 'BRACKENS BROWN BEAUTY' | 8'-10' HT. B&B |          |
| 4           | HIGHBEAM OVERCUP OAK / QUERCUS LYRATA 'QLFTB' TM                          | 5" CAL. B&B    |          |
| SHRUBS      | COMMON / BOTANICAL NAME   | CONT           | SPACING  |
| 19          | AUTUMN TWIST AZALEA / AZALEA ENCORE 'AUTUMN TWIST' TM                     | 3G             | 48" o.c. |
| 8           | AMERICAN BEAUTYBERRY / CALLICARPA AMERICANA                               | 3G             | 72" o.c. |
| 10          | WILD AGERATUM / CONOCLINIUM COELESTINUM                                   | 1G             | 36" o.c. |
| 11          | RATTLESNAKE MASTER / ERYNGIUM YUCCIFOLIUM                                 | 1G             | 30" o.c. |
| 14          | NELLIE R STEVENS / ILEX X 'NELLIE R STEVENS'                              | 5G             | 96" o.c. |
| 7           | VIRGINIA SWEETSPIRE / ITEA VIRGINICA 'LITTLE HENRY' TM                    | 3G             | 48" o.c. |
| GRASSES     | COMMON / BOTANICAL NAME   | CONT           | SPACING  |
| 24          | CREEK SEDGE / CAREX AMPHIBOLA   | 1G             | 24" o.c. |
| 10          | CHEROKEE SEDGE / CAREX CHEROKEENSIS                                       | 3G             | 36" o.c. |
| 12          | SOFT RUSH / JUNCUS EFFUSUS  | 3G             | 36" o.c. |
| SOD/SEEDING | COMMON / BOTANICAL NAME   | CONT           | SPACING  |
| 3,409 SF    | EMERALD ZOYSIA / ZOYSIA JAPONICA 'EMERALD'                                | SOD            |          |



CITY OF CLARKSTON  
www.clarkston.ga.gov

|   |            |                  |                   |               |              |            |       |
|---|------------|------------------|-------------------|---------------|--------------|------------|-------|
| 1 | ADDENDUM 1 | DATE: 11.11.2020 | SOLICITATION NO.: | CONTRACT NO.: | FILE NUMBER: | PLOT DATE: | APPR. |
|   |            |                  |                   |               |              |            |       |
|   |            |                  |                   |               |              |            |       |

DESIGNED BY: RBJ

DRAWN BY: SPT

CHK BY: MAM

SUBMITTED BY:

DATE: 11.11.2020

SOLICITATION NO.:

CONTRACT NO.:

FILE NUMBER:

PLOT DATE: 11/11/2020

FILE NAME: 29-001.DWG

SIZE: 22" x 34"

PLOT SCALE: 1" = 10'

CITY OF CLARKSTON

SPLIST PEDESTRIAN PROJECT B & C - ROWLAND STREET ROAD DIET TRAILHEAD DESIGN

3000 Parkway Lane GA  
30092 SUITE 500  
Phone 678.389.7740  
Fax 678.389.7744

POND PROJECT No. 1180426

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**

**TRAILHEAD LANDSCAPE PLAN**

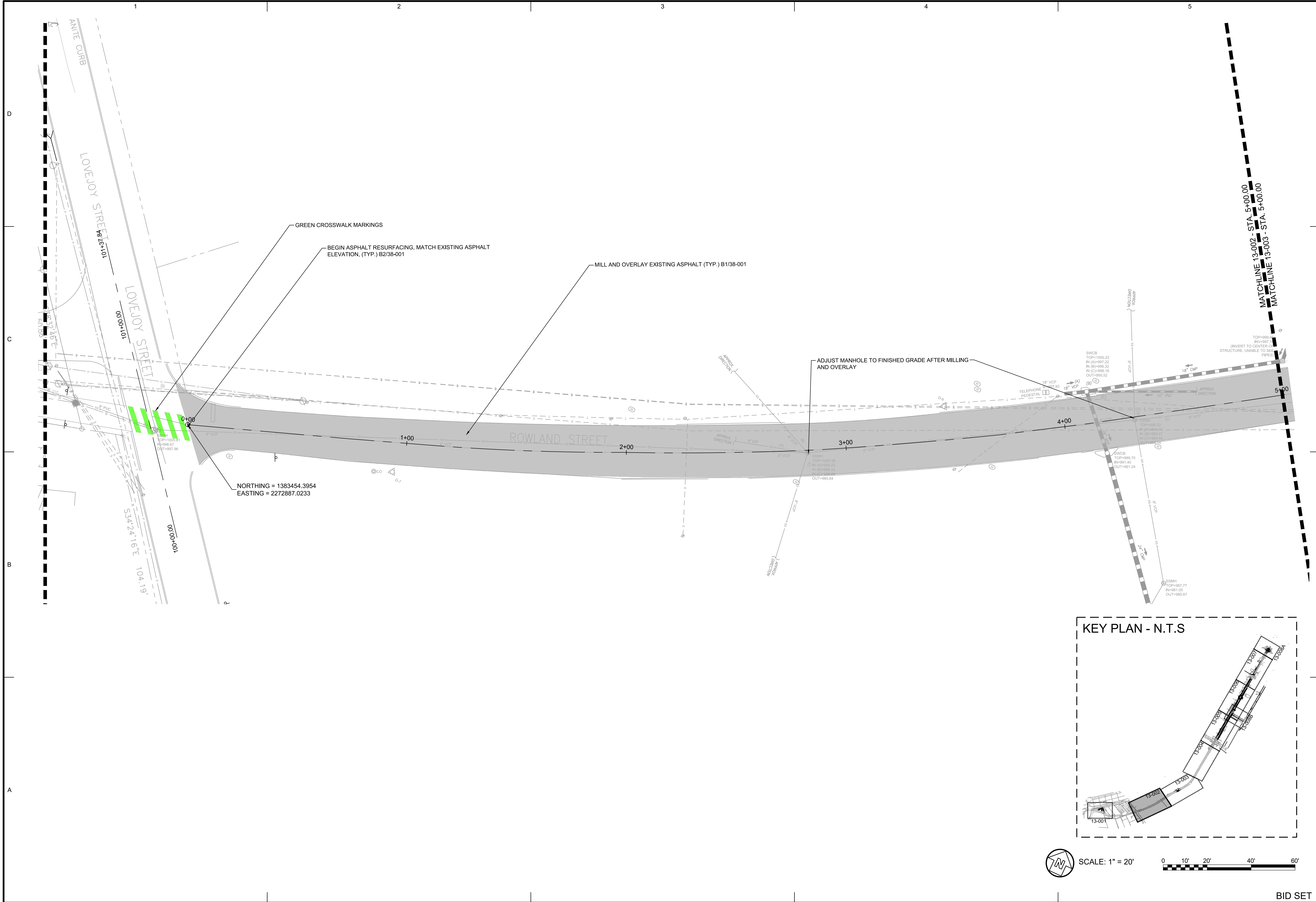
SHEET IDENTIFICATION NUMBER

**29-001**

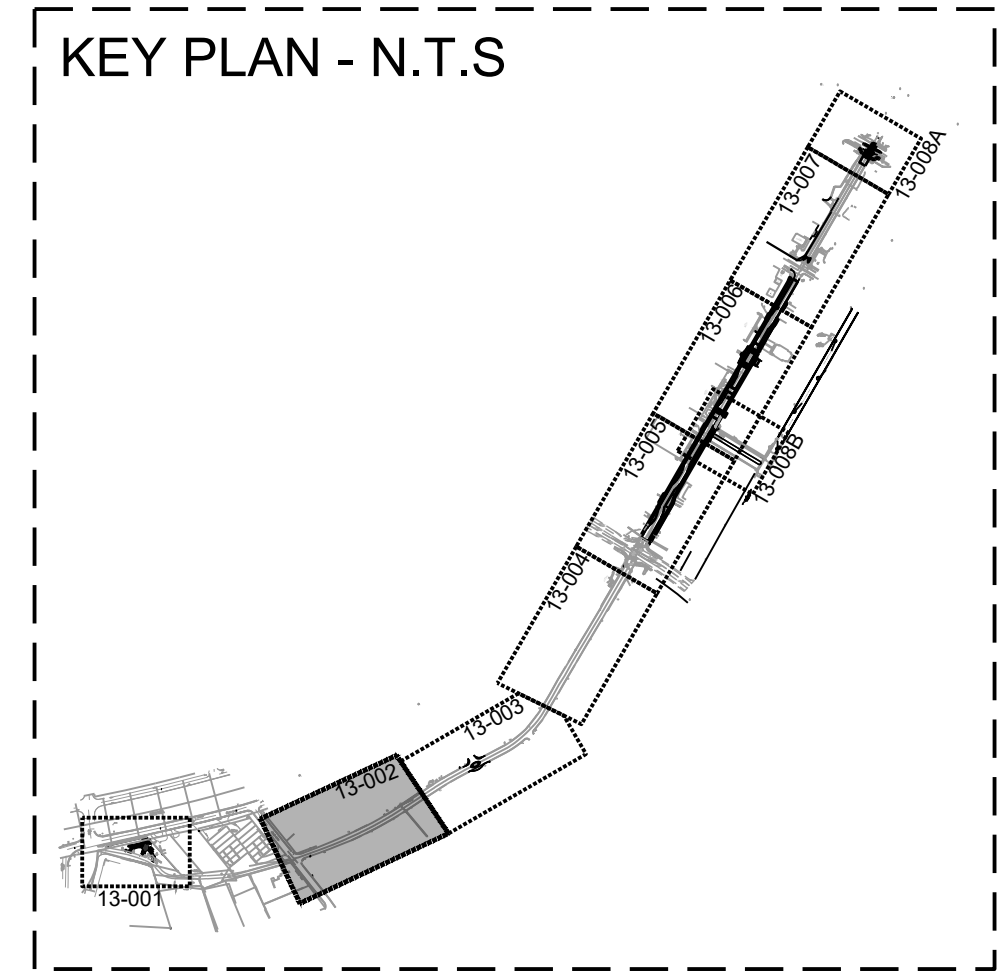
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NORTHING = 1383454.3954  
EASTING = 2272887.0233



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |

|                  |               |                   |
|------------------|---------------|-------------------|
| DESIGNED BY: RBJ | DATE:         | SOLICITATION NO.: |
| DWN BY: MAM      | CRD BY: MAM   | CONTRACT NO.:     |
| SPT              | SUBMITTED BY: | FILE NAME:        |
|                  |               | 13-001.dwg        |
|                  |               | FILE NUMBER:      |
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|                  |               | PLOT SCALE:       |
|                  |               | 1" = 1'           |
|                  |               | PLOT DATE:        |
|                  |               | 11/11/2020        |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
3000 Parkway Lane  
Clarkston, GA 30009  
Phone: 678.338.7740  
Fax: 678.338.7744

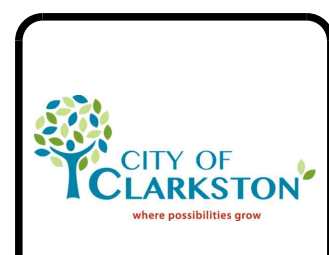
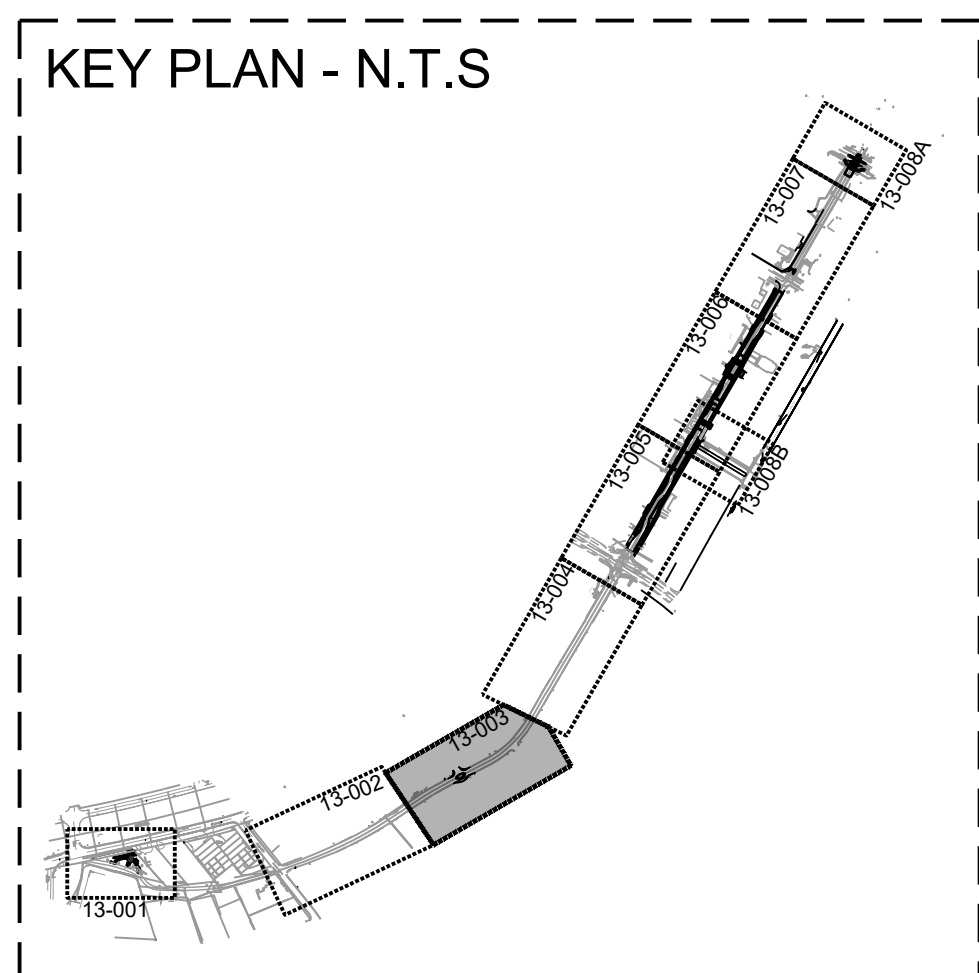
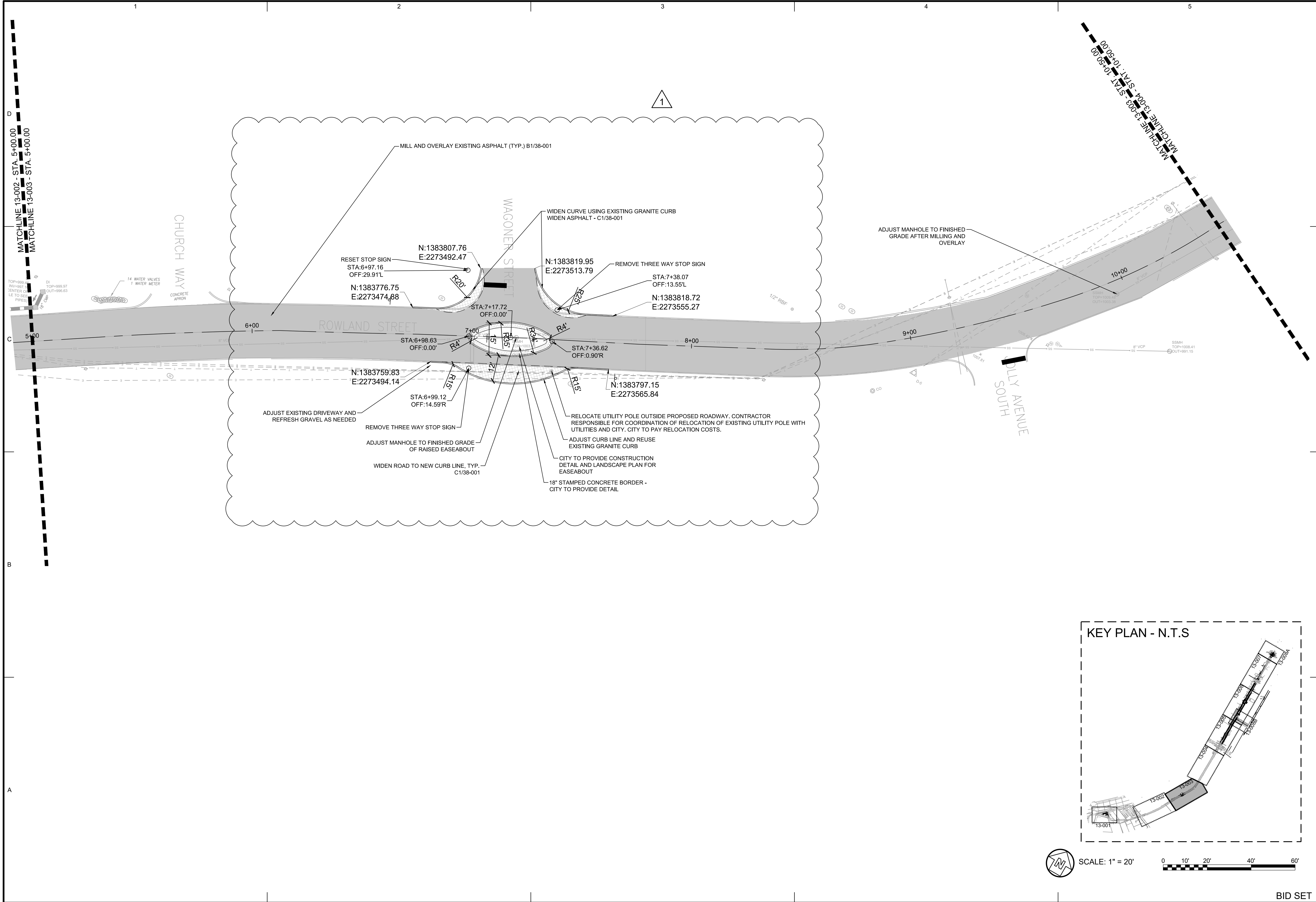
POND PROJECT No. 1180426

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

MAINLINE PLAN

SHEET  
IDENTIFICATION  
NUMBER  
**13-002**

BID SET



| ADDENDUM | DATE       | DESCRIPTION | MARK | APPR. |
|----------|------------|-------------|------|-------|
| 1        | 11.11.2020 |             |      |       |

|                  |       |                   |
|------------------|-------|-------------------|
| DESIGNED BY: RBJ | DATE: | SOLICITATION NO.: |
| DWN BY: MAM      |       | CONTRACT NO.:     |
| SPT              |       | FILE NAME:        |
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|                  |       | SIZE:             |
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|                  |       | PLOT DATE:        |
|                  |       | 11/11/2020        |

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

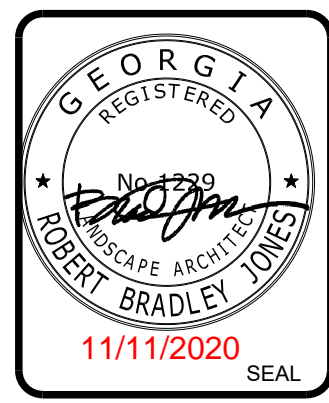
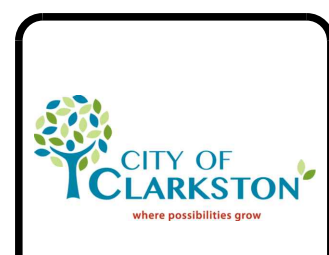
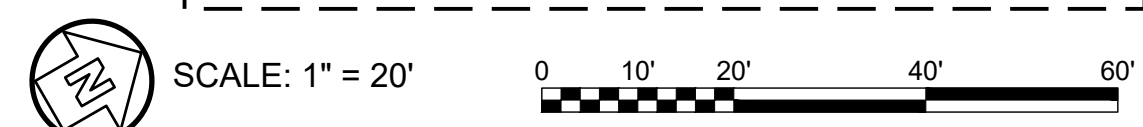
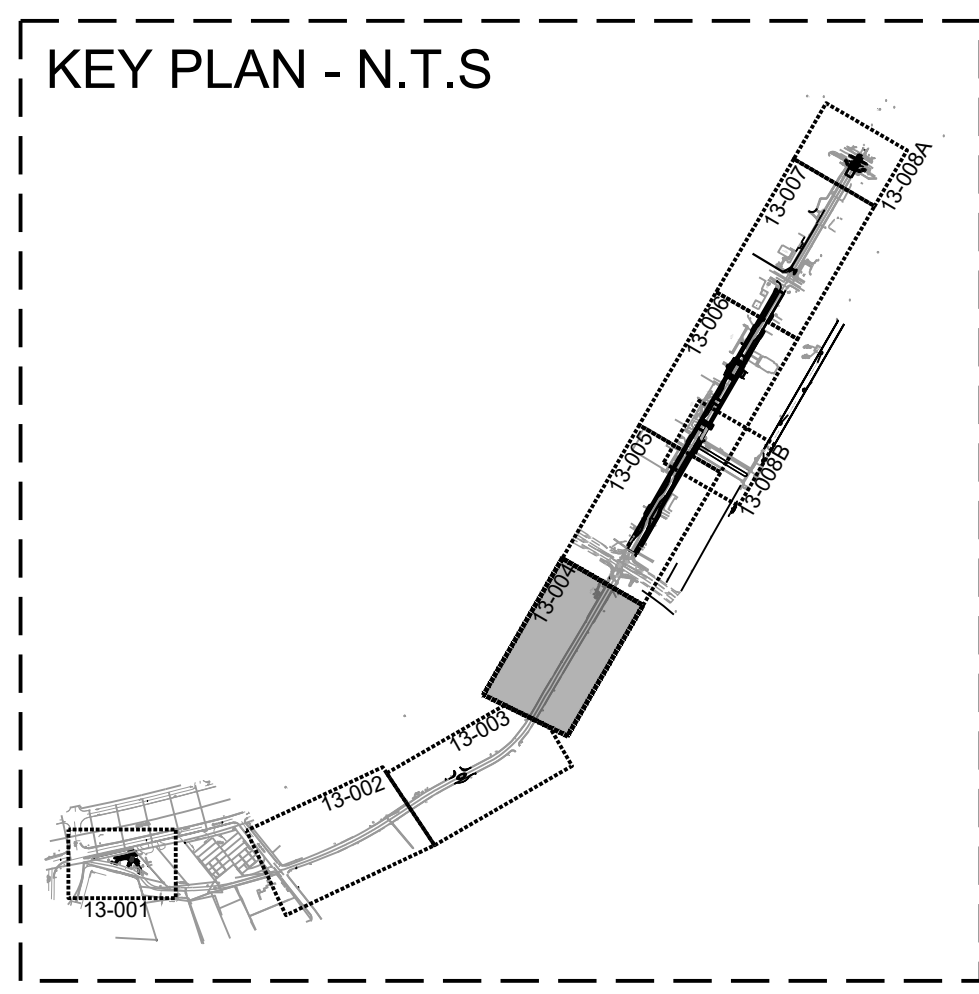
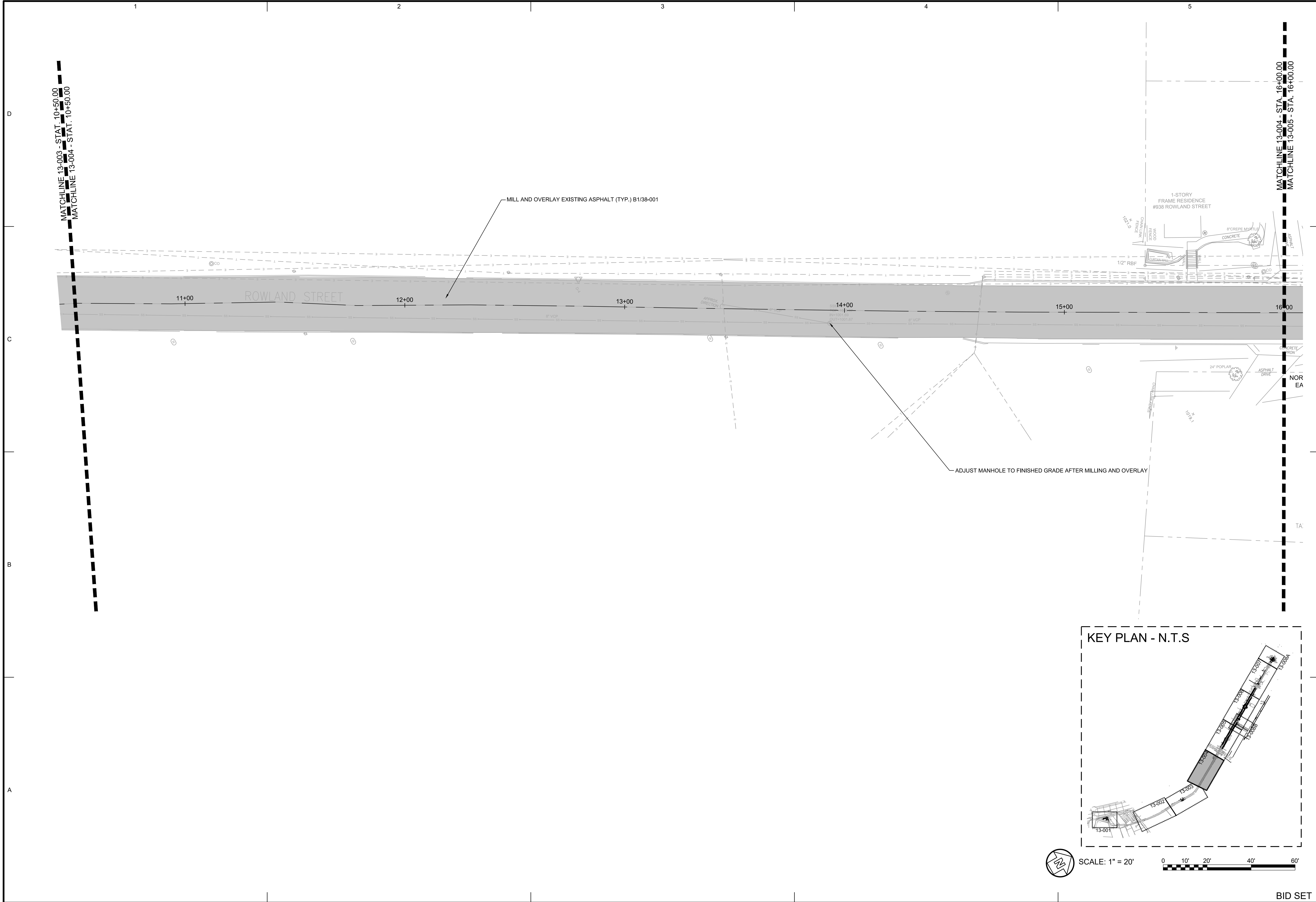
**POND**  
 3000 Parkway Lane  
 Suite 500  
 Clarkston, GA 30009  
 Phone: 678.398.7740  
 Fax: 678.398.7744

POND PROJECT No. 1180426

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

MAINLINE PLAN

SHEET IDENTIFICATION NUMBER  
**13-003**



| ADDENDUM | DATE       | DESCRIPTION |
|----------|------------|-------------|
| 1        | 11.11.2020 |             |

|                  |                       |                       |
|------------------|-----------------------|-----------------------|
| DESIGNED BY: RBJ | DATE:                 | SOLICITATION NO.:     |
| DWN BY: SPT      | CHK BY: JMAW          | CONTRACT NO.:         |
| SUBMITTED BY:    | FILE NAME: 13-001.dwg | FILE NUMBER:          |
|                  | SIZE: 22' x 34'       | PLOT SCALE: 1" = 20'  |
|                  |                       | PLOT DATE: 11/11/2020 |

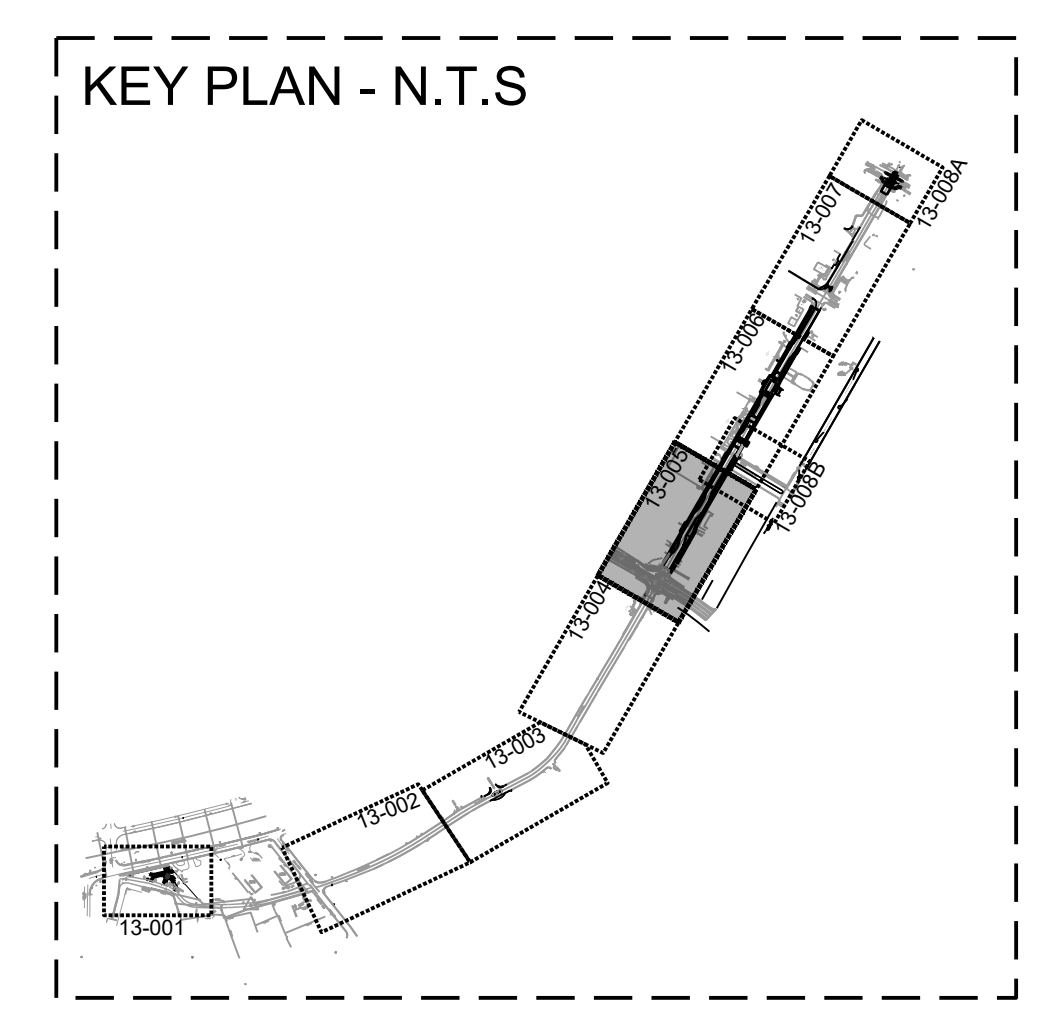
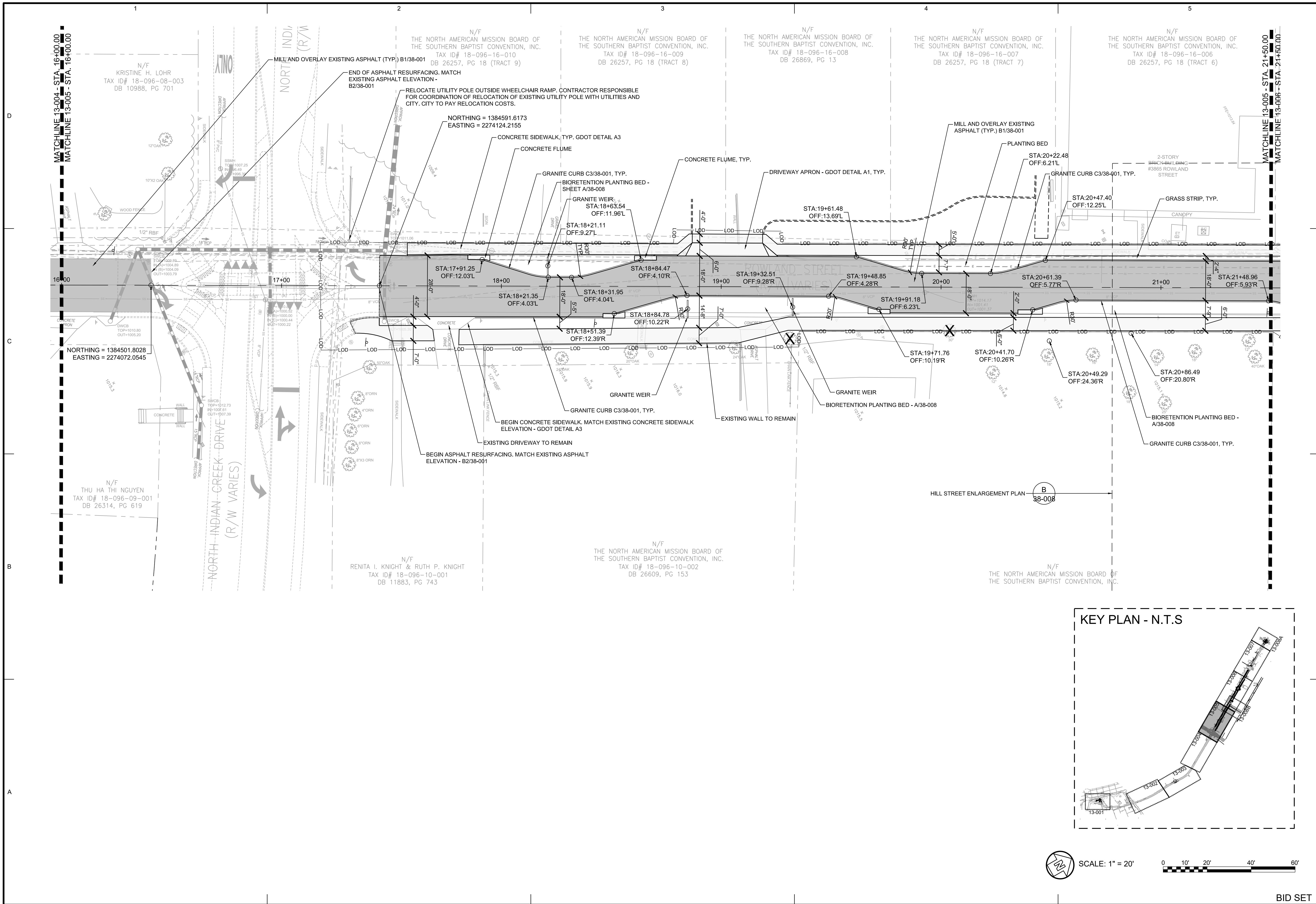
**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN


**POND**  
 3000 Parkway Lane  
 30092 SUITE 500  
 Phone 678.338.7740  
 POND PROJECT No. 1180426 Fax 678.338.7744


**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

MAINLINE PLAN

SHEET IDENTIFICATION NUMBER  
**13-004**







|            |      |       |      |             |      |       |
|------------|------|-------|------|-------------|------|-------|
| 11.11.2020 | DATE | APPR. | MARK | DESCRIPTION | DATE | APPR. |
|            |      |       |      |             |      |       |

|                       |                      |                   |               |              |                       |
|-----------------------|----------------------|-------------------|---------------|--------------|-----------------------|
| DESIGNED BY: RBJ      | DATE: 11.11.2020     | SOLICITATION NO.: | CONTRACT NO.: | FILE NUMBER: | PLOT DATE: 11/11/2020 |
| DRAWN BY: SPT         | CRD BY: MAM          |                   |               |              |                       |
| SUBMITTED BY:         |                      |                   |               |              |                       |
| FILE NAME: 13-001.dwg |                      |                   |               |              |                       |
| SIZE: 22" x 34"       | PLOT SCALE: 1" = 20' |                   |               |              |                       |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

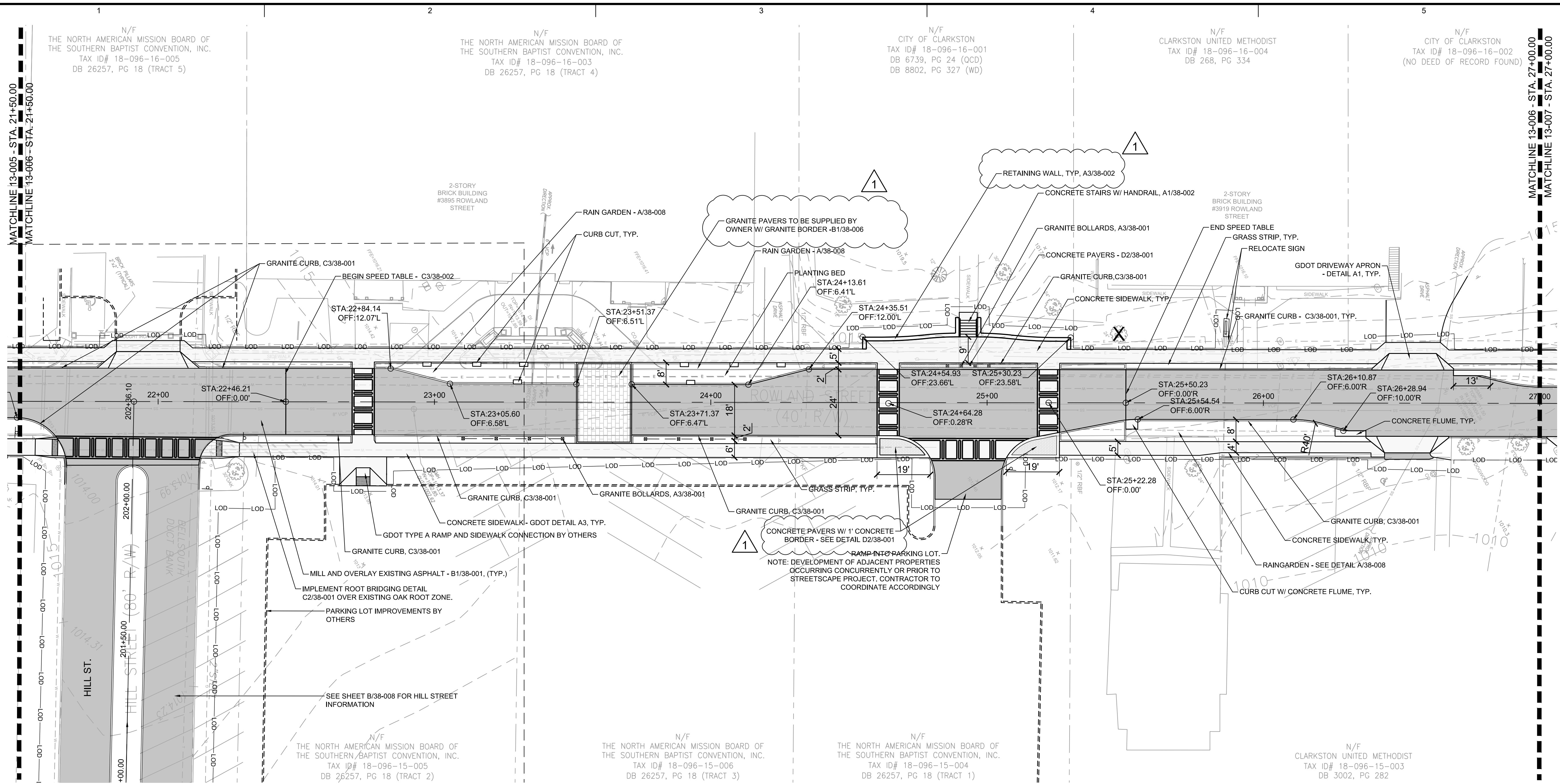
**POND**  
 3000 Parkway Lane GA  
 30056 SUITE 500  
 Phone 678.387.7740  
 POND PROJECT No. 1180426 Fax 678.387.7744

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

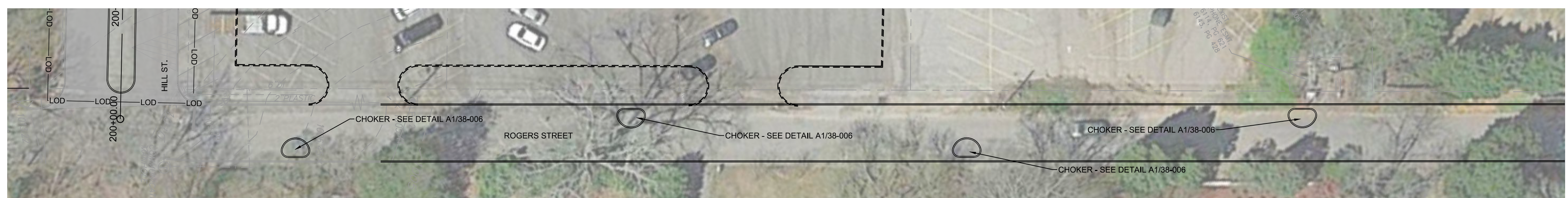
MAINLINE PLAN

SHEET  
 IDENTIFICATION  
 NUMBER  
**13-005**

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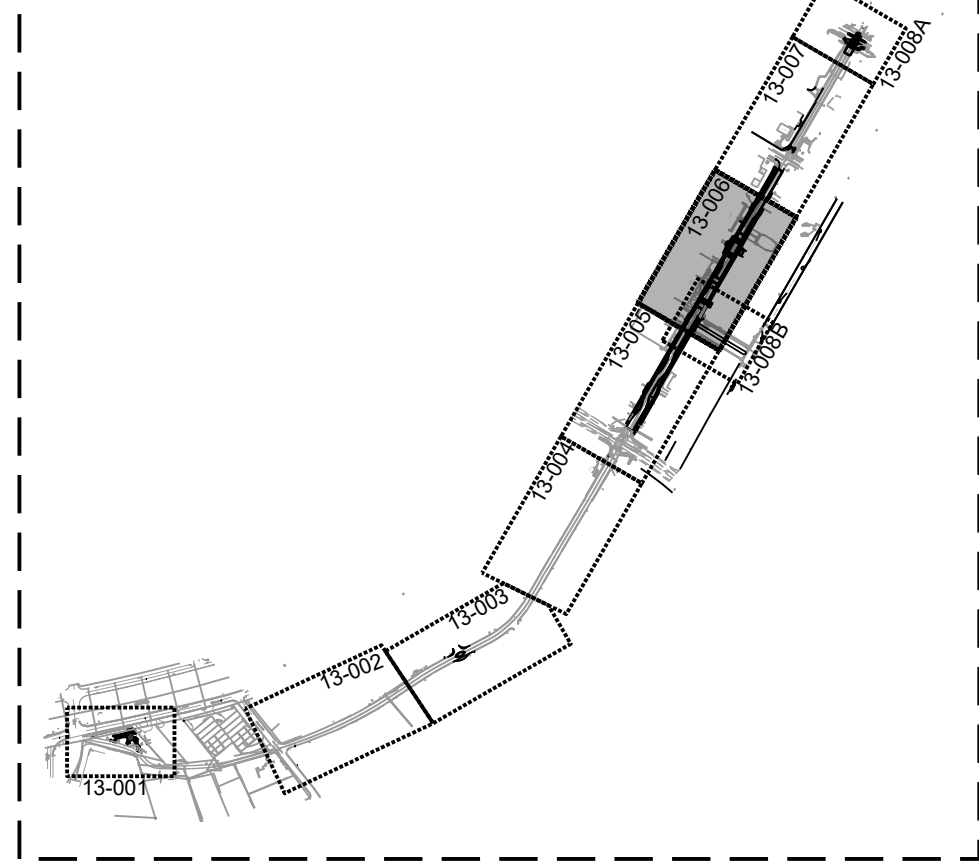
**B1 ROWLAND STREET PLAN**  
SCALE: 1" = 20' - 0"



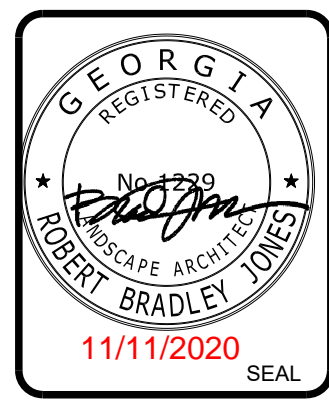
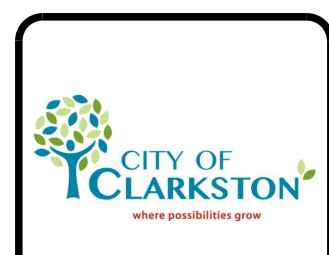
NOTE: NO SURVEY WAS COMPLETED OF ROGERS STREET. CONTRACTOR TO FIELD VERIFY AND COORDINATE EXACT CHOKER LOCATIONS WITH CITY REPRESENTATIVE.

**A1 ROGERS STREET PLAN**  
SCALE: 1" = 30' - 0"

**KEY PLAN - N.T.S**



SCALE: 1" = 20'



| ADDENDUM | DATE       | DESCRIPTION |
|----------|------------|-------------|
| 1        | 11.11.2020 |             |

|                  |                 |                       |
|------------------|-----------------|-----------------------|
| DESIGNED BY: RBJ | DATE:           | SOLICITATION NO.:     |
| DWN BY: SPT      | CRD BY: MAM     | CONTRACT NO.:         |
| SUBMITTED BY:    | FILE NAME:      | FILE NUMBER:          |
|                  | 13-001.DWG      |                       |
|                  | SIZE: 22" x 34" | PLOT SCALE: 1" = 11'  |
|                  |                 | PLOT DATE: 11/11/2020 |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET TRAILHEAD DESIGN

**POND**  
3000 Parkway Lane  
Clarkston, GA 30009  
Phone: 678.389.7740  
Fax: 678.389.7744

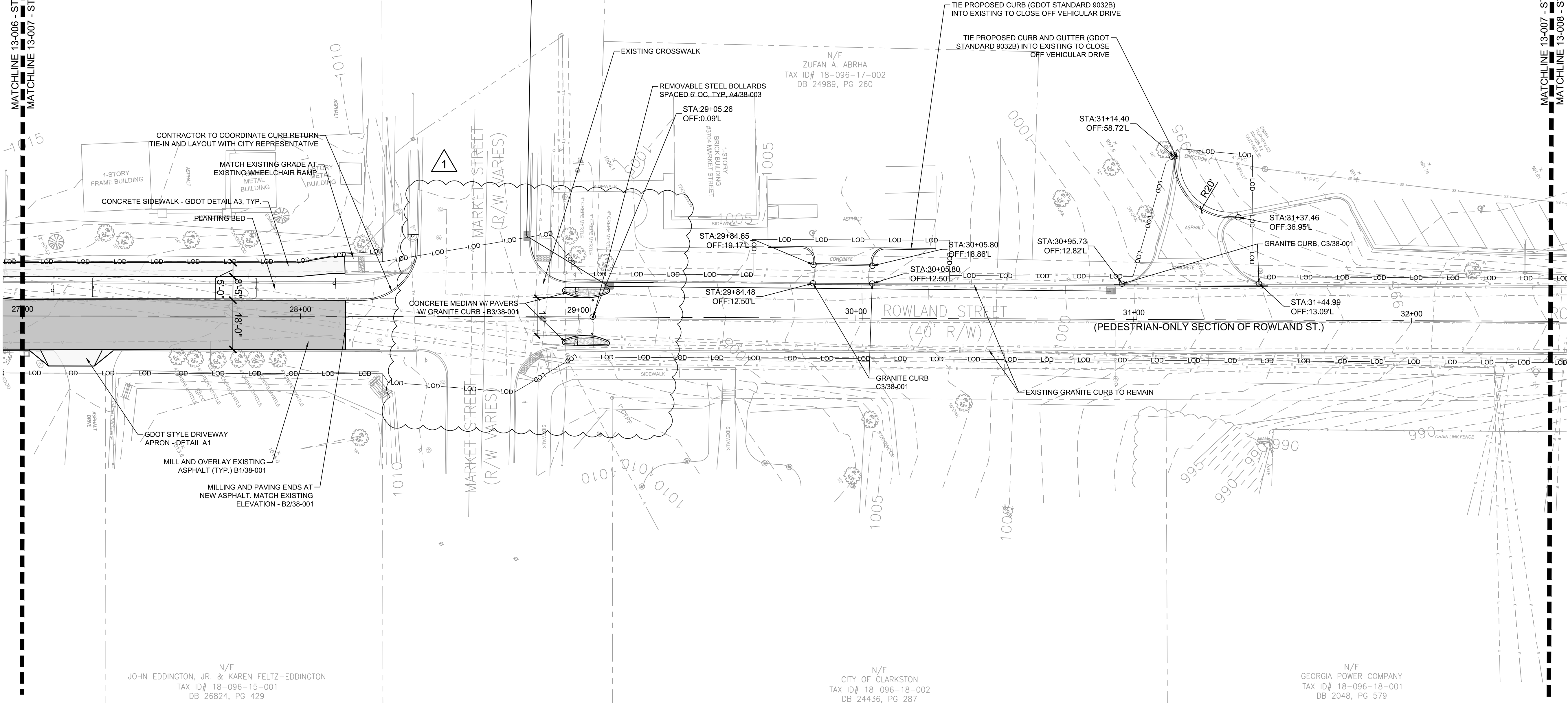
**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**

MAINLINE PLAN

SHEET IDENTIFICATION NUMBER  
**13-006**

BID SET

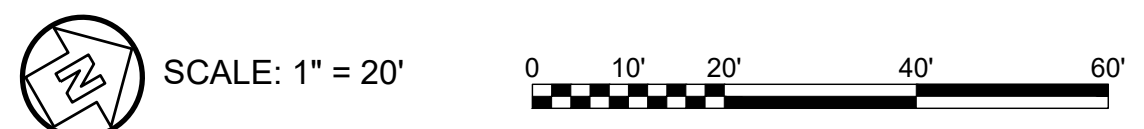
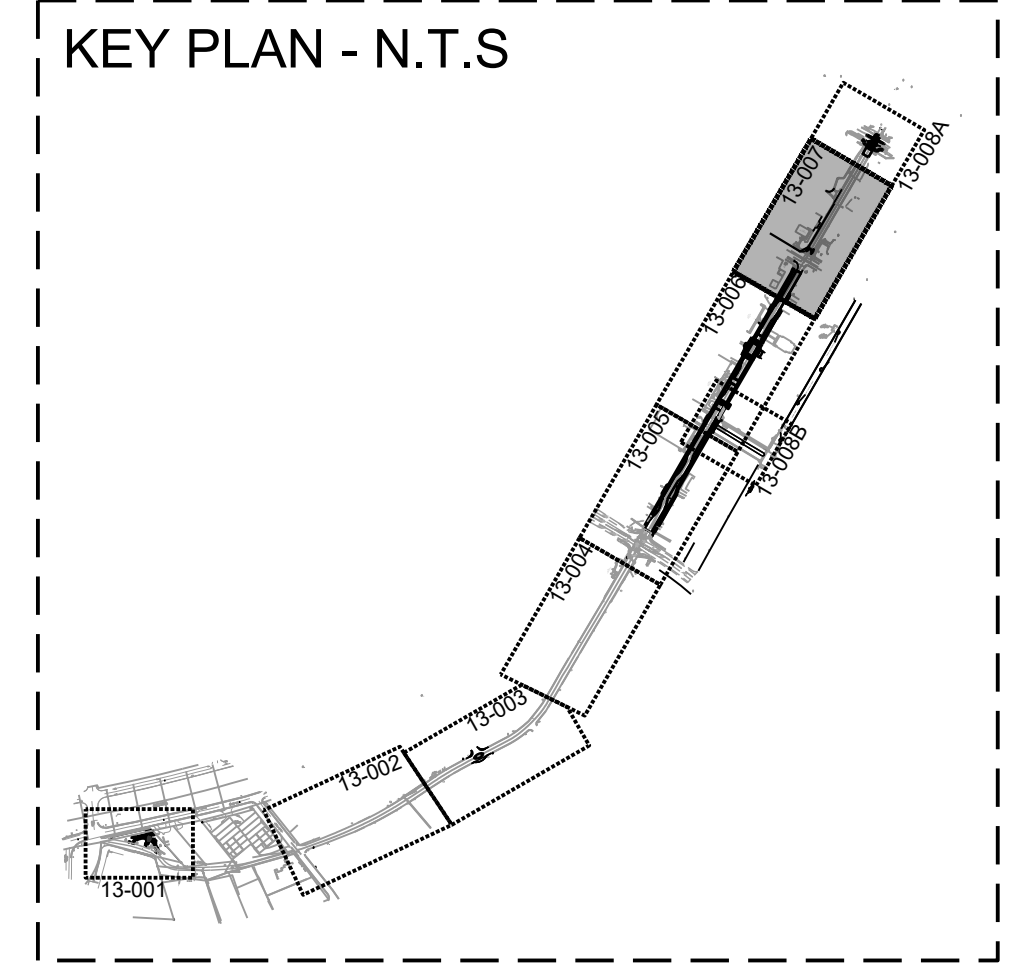
N/F  
 JIMMY R. JOHNSON & LARRY E. GLENN  
 TAX ID# 18-096-17-007  
 DB 5335, PG 413



N/F  
 JOHN EDDINGTON, JR. & KAREN FELTZ-EDDINGTON  
 TAX ID# 18-096-15-001  
 DB 26824, PG 429

N/F  
 CITY OF CLARKSTON  
 TAX ID# 18-096-18-002  
 DB 24436, PG 287

N/F  
 GEORGIA POWER COMPANY  
 TAX ID# 18-096-18-001  
 DB 2048, PG 579



|            |             |
|------------|-------------|
| 11.11.2020 | DATE        |
| ADDDUMUM 1 | MARK        |
|            | DESCRIPTION |
|            | APPR.       |

|                  |             |                   |
|------------------|-------------|-------------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: |
| DWN BY: SPT      | CRD BY: MAM | CONTRACT NO.:     |
| SUBMITTED BY:    | FILE NAME:  | FILE NUMBER:      |
|                  | 13-001.DWG  | 11112020          |
|                  | SIZE:       | PLOT SCALE:       |
|                  | 22" x 34"   | 1" = 11'          |

CITY OF CLARKSTON  
 SPLST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

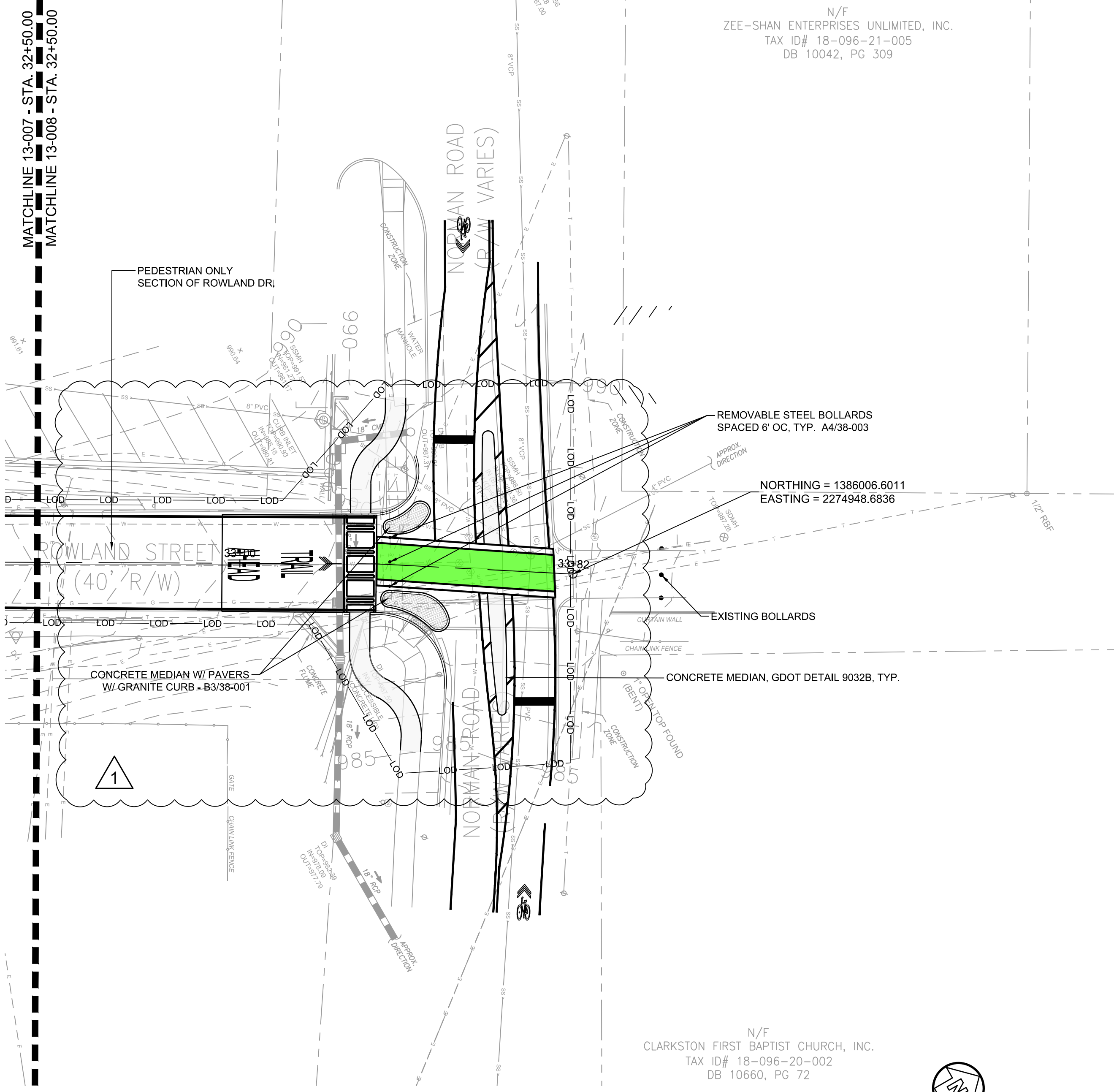
**POND**  
 3000 Parkway Lane GA  
 30092 SUITE 500  
 Phone 678.389.7740  
 POND PROJECT No. 1180426 Fax 678.389.7744

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

MAINLINE PLAN

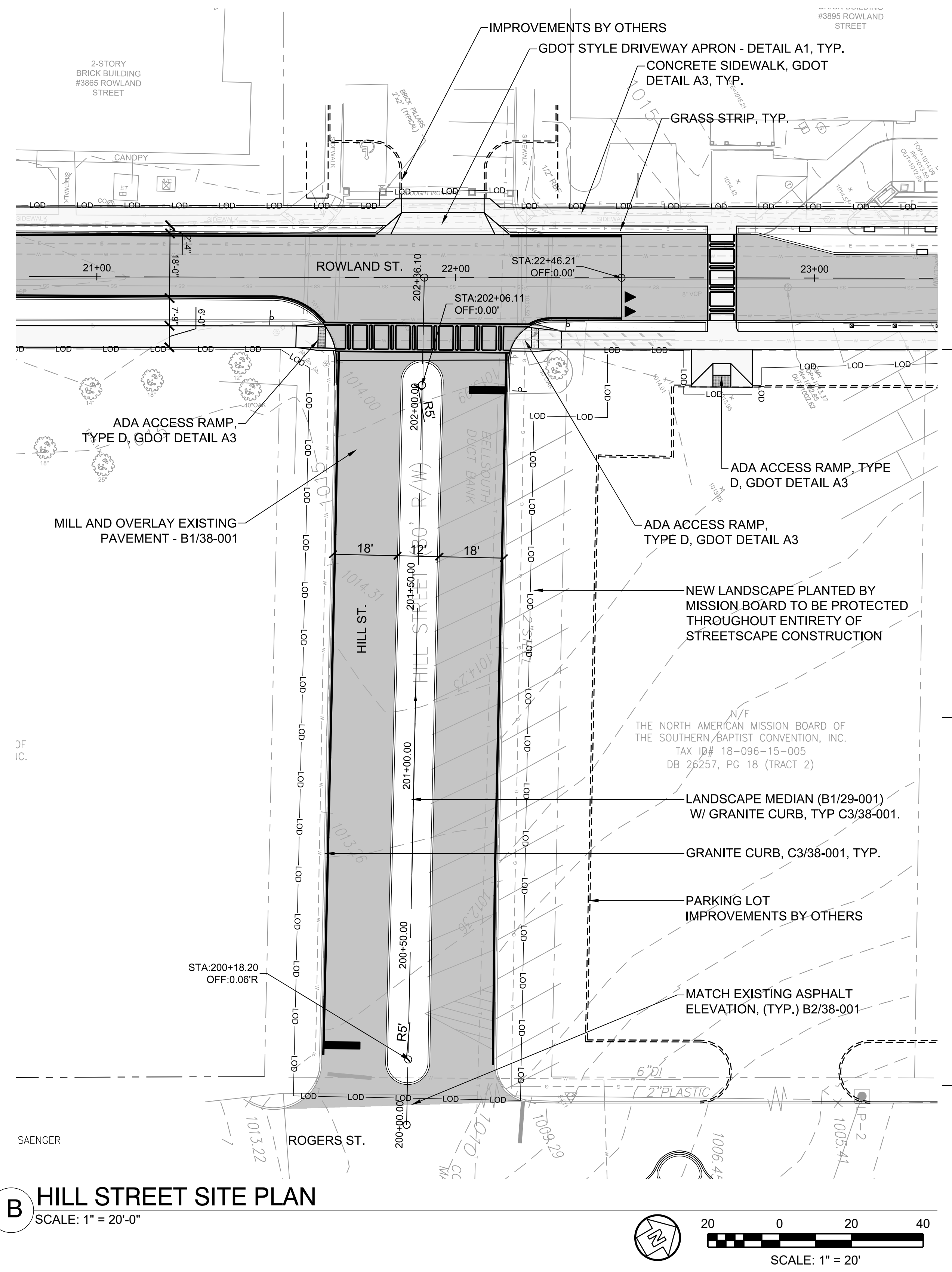
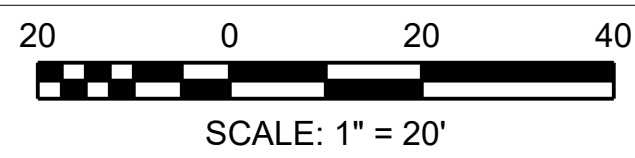
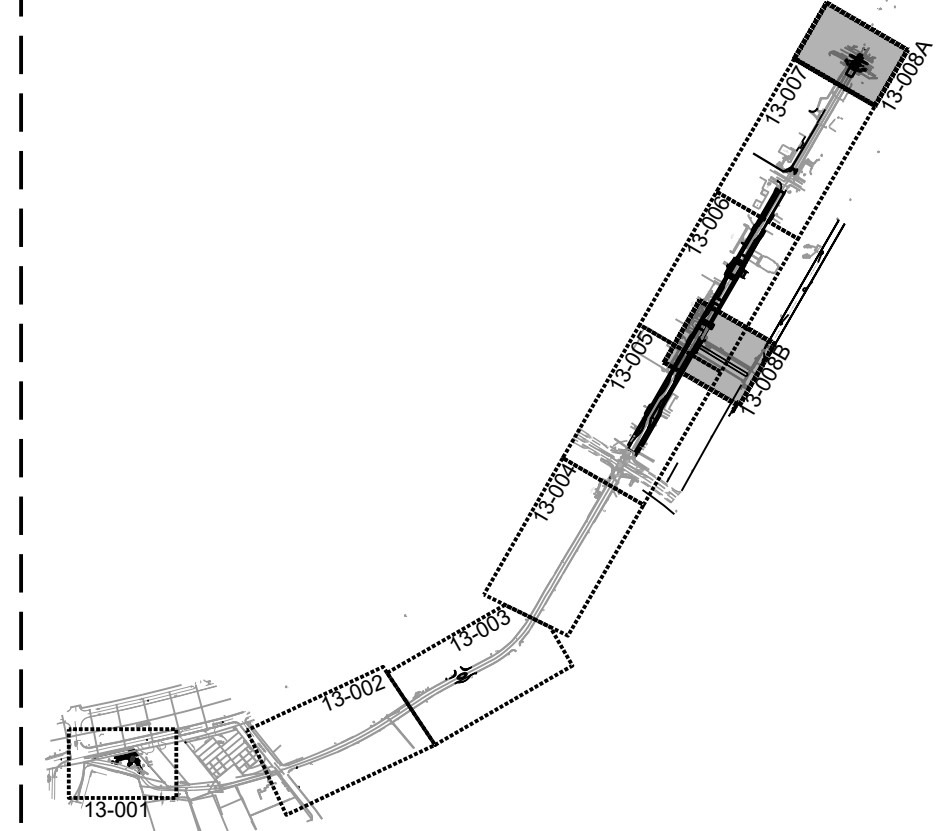
SHEET  
 IDENTIFICATION  
 NUMBER  
**13-007**





**A SITE PLAN**  
SCALE: 1" = 20'-0"

**KEY PLAN - N.T.S**



**B HILL STREET SITE PLAN**  
SCALE: 1" = 20'-0"



**CITY OF CLARKSTON**  
www.clarkstonga.com

GEORGIA REGISTERED  
No. 4739  
LANDSCAPE ARCHITECT  
ROBERT BRADLEY JONES  
11/11/2020 SEAL

| DATE       | DESCRIPTION | MARK | APPR. |
|------------|-------------|------|-------|
| 11.11.2020 | ADDENDUM 1  |      |       |

|                  |             |                   |                       |
|------------------|-------------|-------------------|-----------------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: | FILE NUMBER:          |
| DRAWN BY: SPT    | CHK BY: MAM | CONTRACT NO.:     | PLOT DATE: 11/11/2020 |
| SUBMITTED BY:    | FILE NAME:  | FILE NUMBER:      | PLOT SCALE:           |
|                  | 13-001.dwg  |                   | 22" x 34" 1:1         |

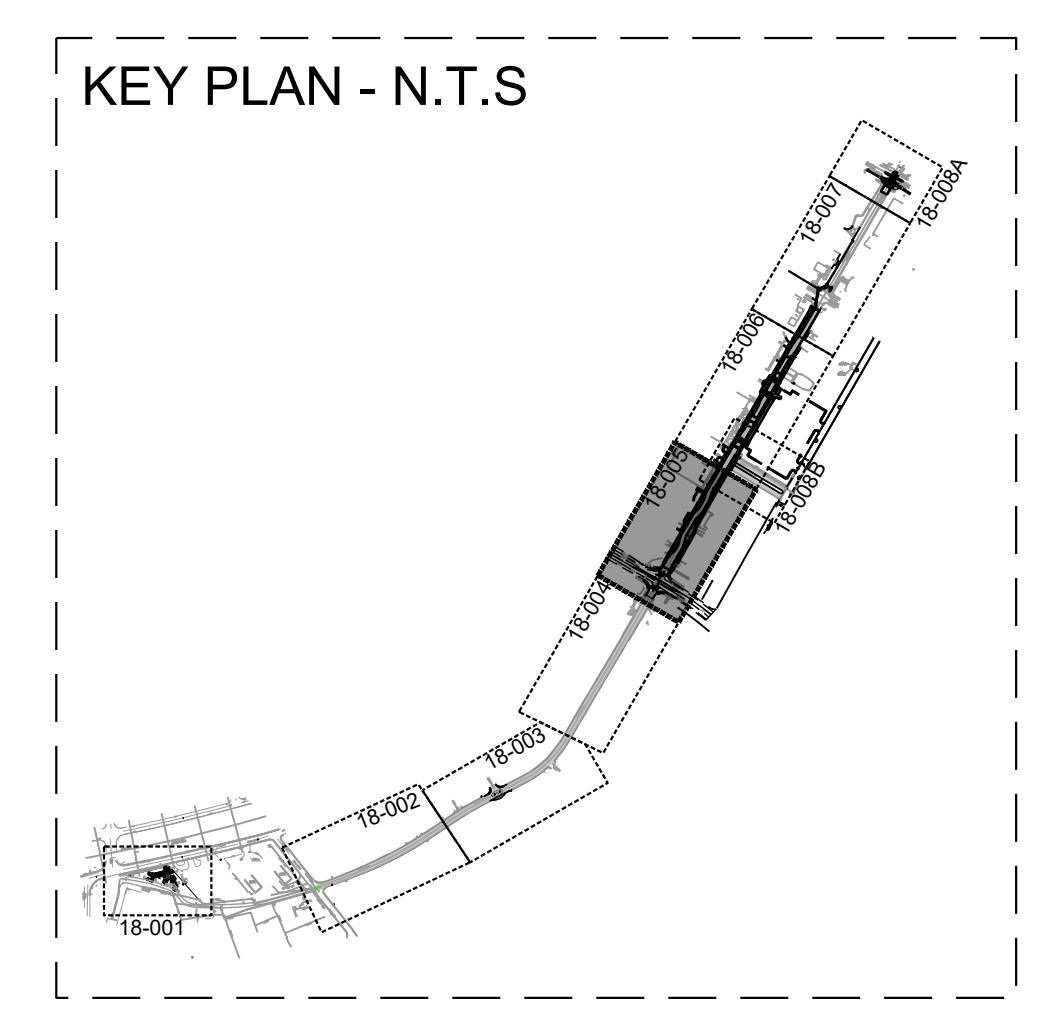
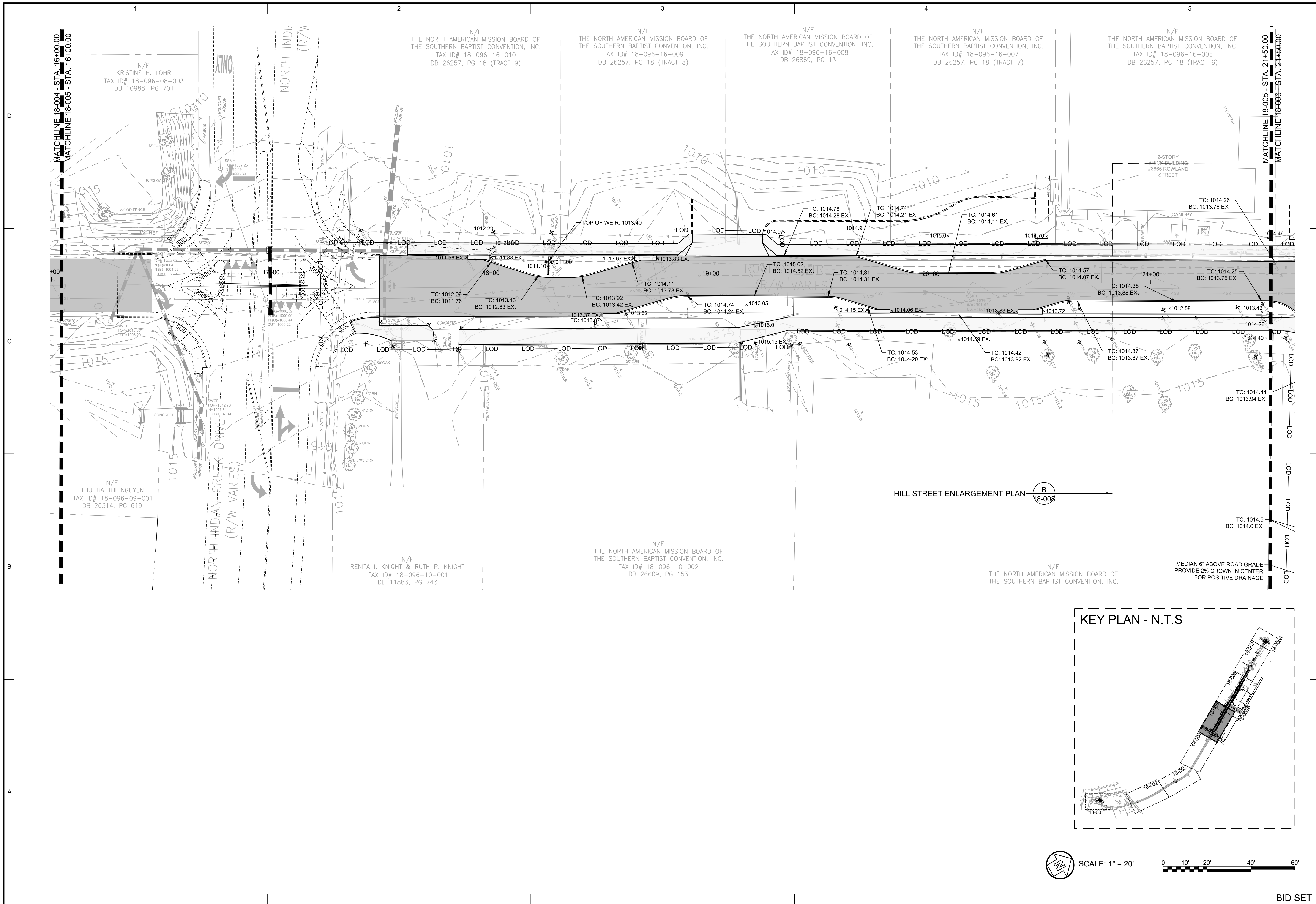
**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN


**POND**  
3500 Parkway Lane GA  
30052 SUITE 500  
Phone: 678.389.7740  
Fax: 678.387.7744  
POND PROJECT No.: 1180426

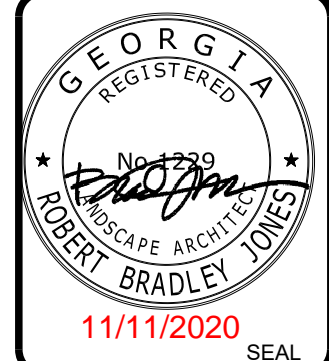
**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

MAINLINE PLAN

SHEET IDENTIFICATION NUMBER  
**13-008**







|            |             |
|------------|-------------|
| 11.11.2020 | APPR.       |
| 11.11.2020 | DATE        |
| ADDENDUM 1 | DESCRIPTION |
|            | MARK        |

|                  |             |                   |                       |
|------------------|-------------|-------------------|-----------------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: | FILE NUMBER:          |
| DRAWN BY: SPT    | CRD BY: MAM | CONTRACT NO.:     | PLOT DATE: 11/11/2020 |
| SUBMITTED BY:    | FILE NAME:  | FILE NUMBER:      | PLOT SCALE:           |
| 18-001.DWG       | 18-001.DWG  | 18-001            | 22" x 34" 1:1         |

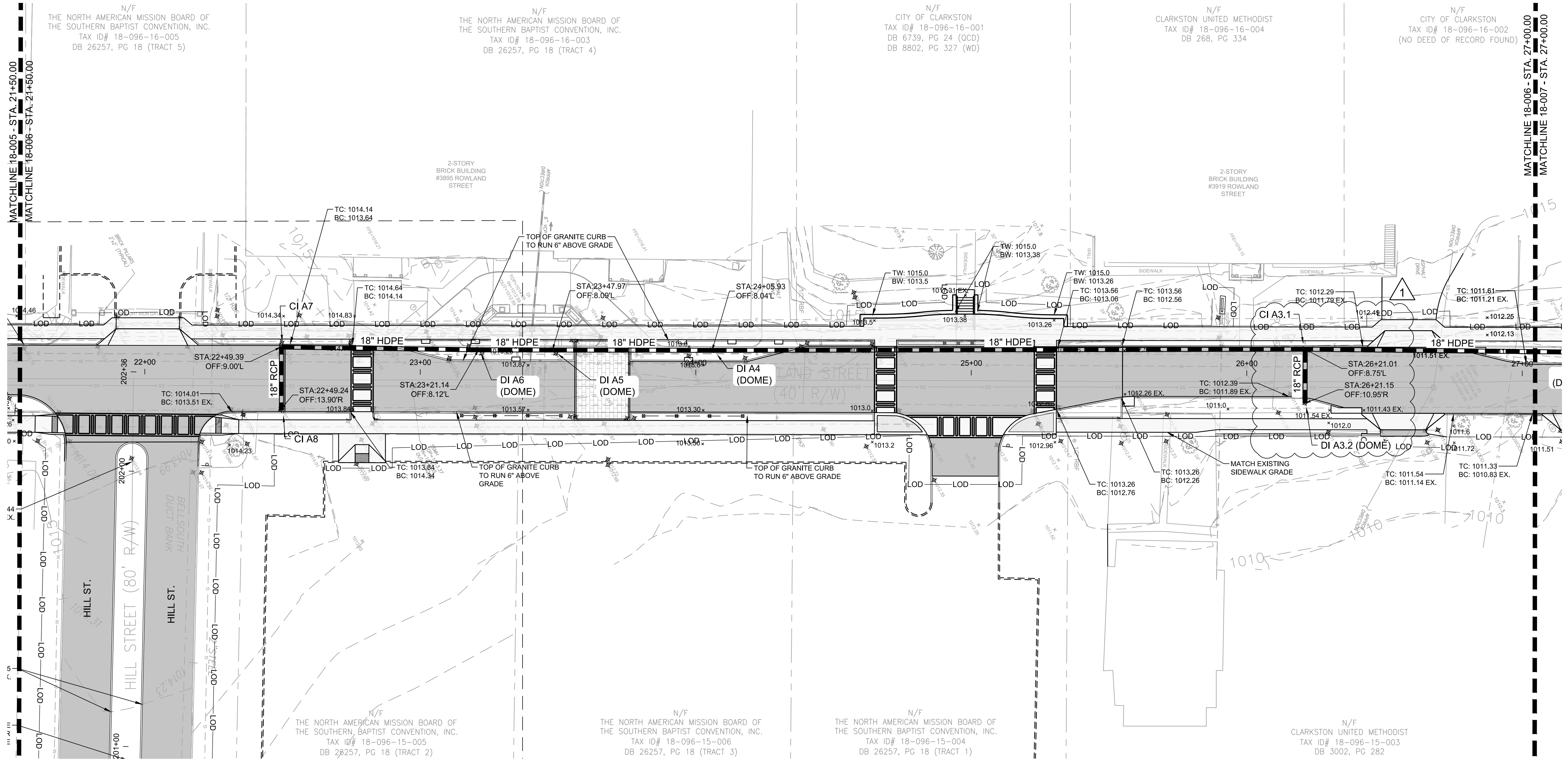
**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 3500 Parkway Lane GA  
 30056 SUITE 500  
 Phone 678.398.7740  
 POND PROJECT No. 1180426 Fax 678.398.7744

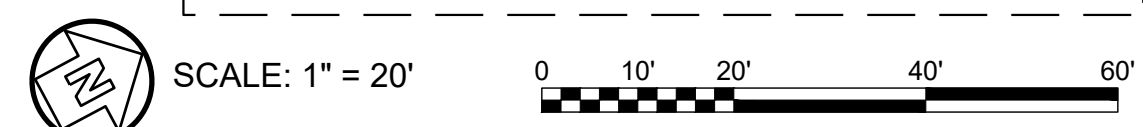
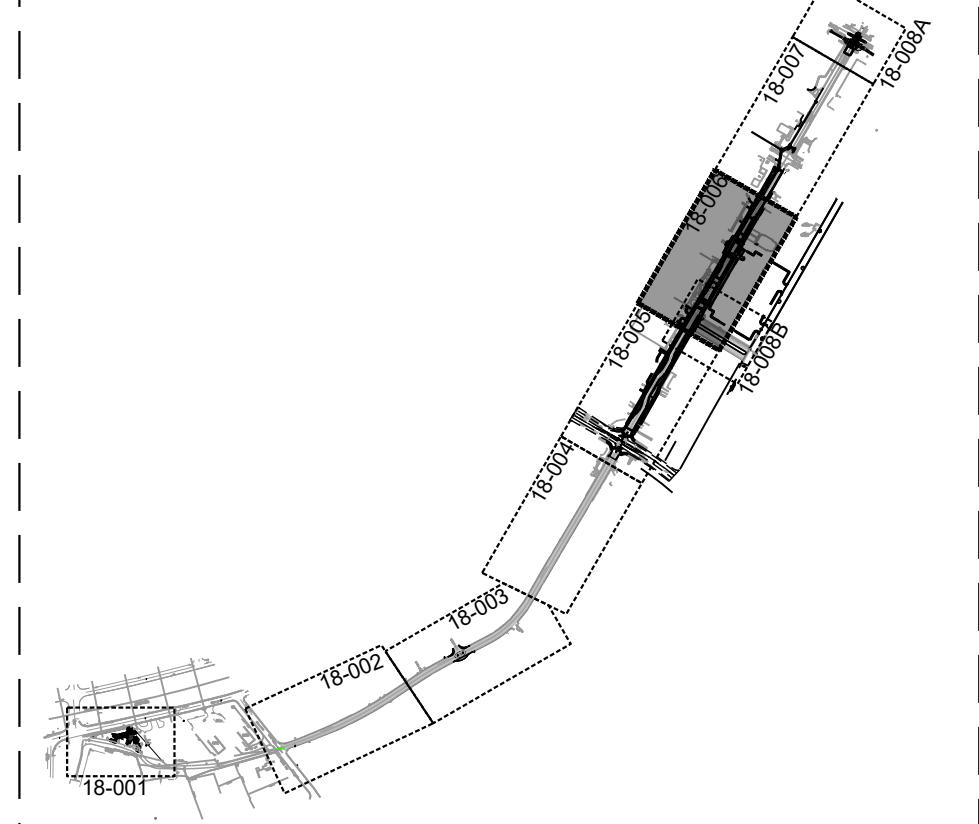
**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

**GRADING PLAN - MAINLINE**

SHEET IDENTIFICATION NUMBER  
**18-005**



KEY PLAN - N.T.S



| NO. | ADDENDUM   | DATE       | DESCRIPTION |
|-----|------------|------------|-------------|
| 1   | ADDENDUM 1 | 11.11.2020 |             |

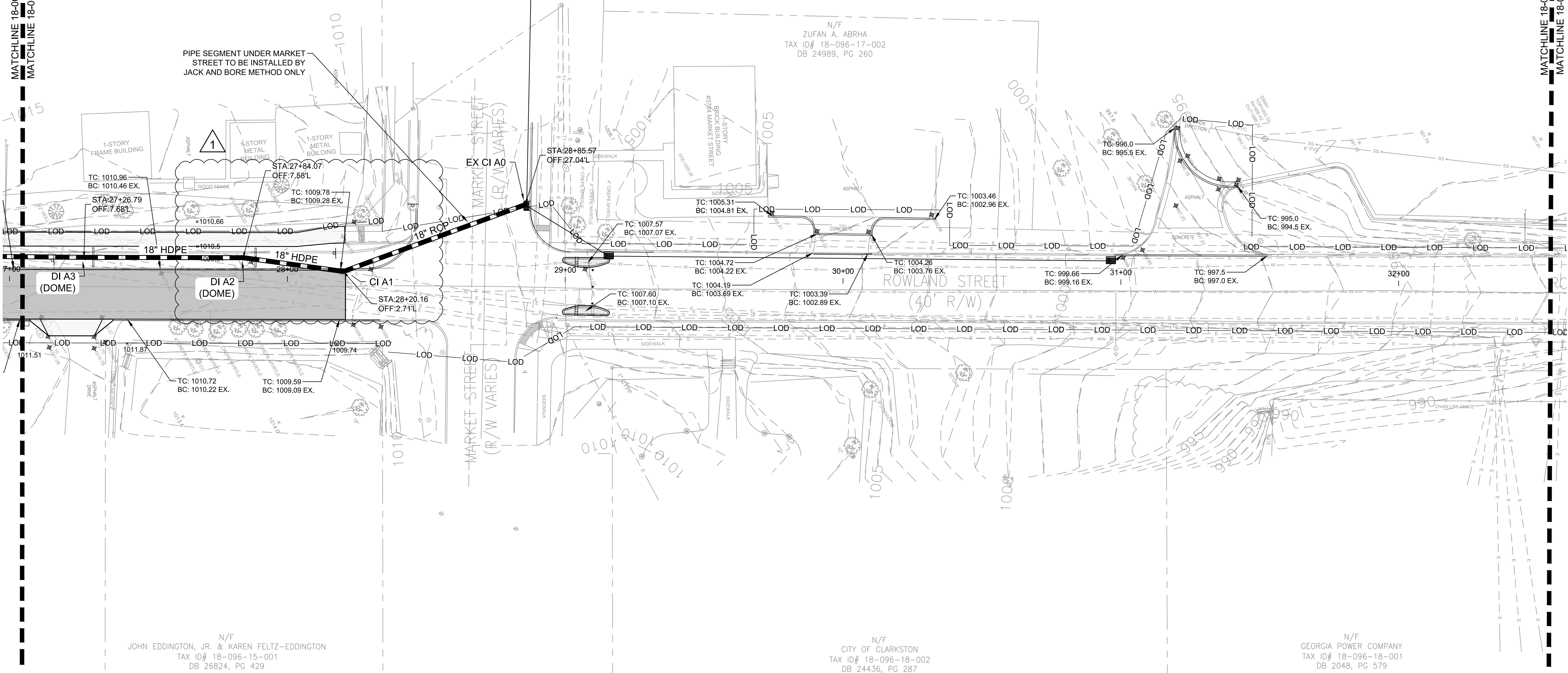
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|------------------|-------------|-------------------|---------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: | CONTRACT NO.: |
| DWN BY: SPT      | CRD BY: MAM | FILE NAME:        | FILE NUMBER:  |
| SUBMITTED BY:    | 18-001.DWG  | SIZE:             | PLOT SCALE:   |
|                  |             | 22" x 34"         | 1" = 11'      |

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN  
**POND**  
 POND PROJECT No. 1180426 Fax: 678.338.7744

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**  
 GRADING PLAN - MAINLINE

SHEET  
 IDENTIFICATION  
 NUMBER  
**18-006**

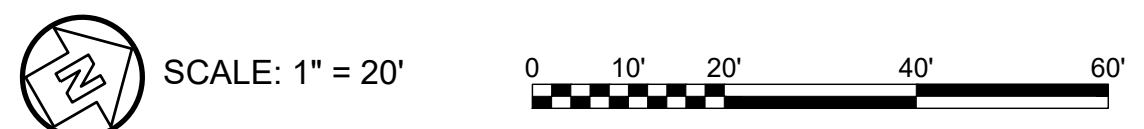
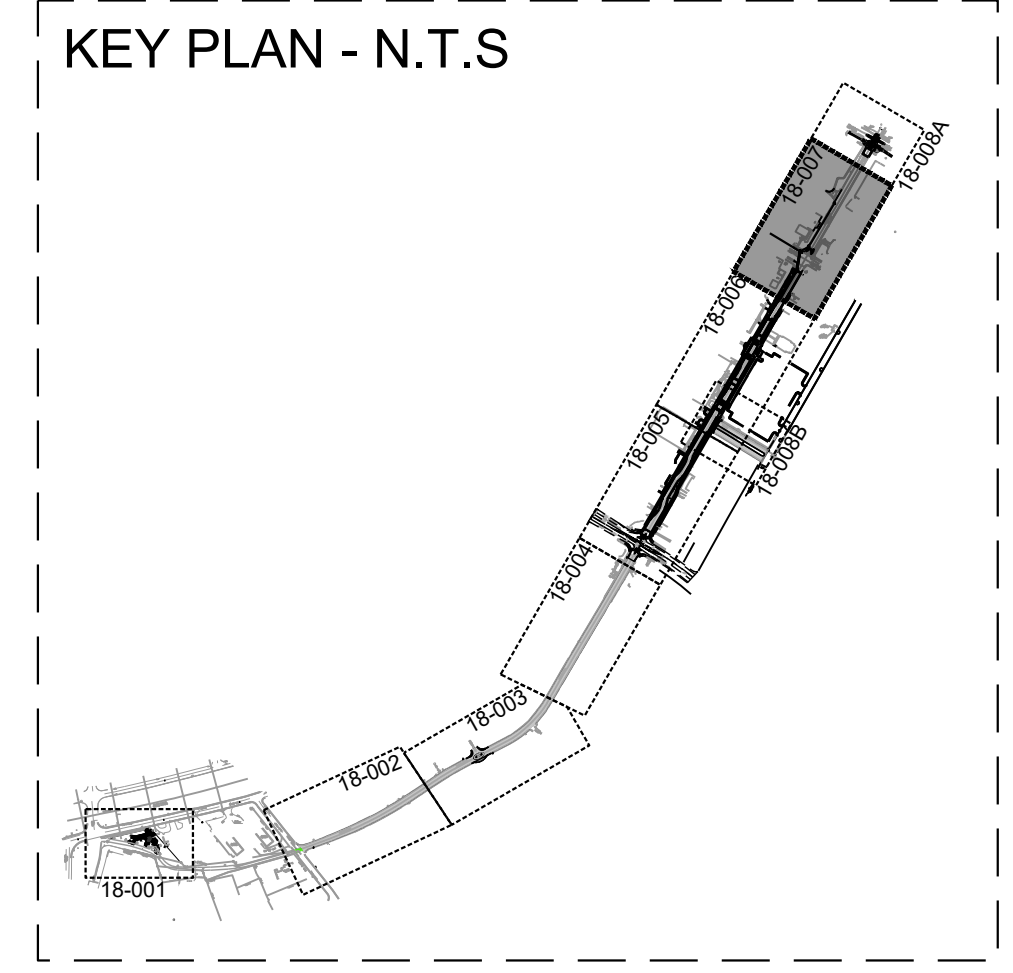
N/F  
 JIMMY R. JOHNSON & LARRY E. GLENN  
 TAX ID# 18-096-17-007  
 DB 5335, PG 413



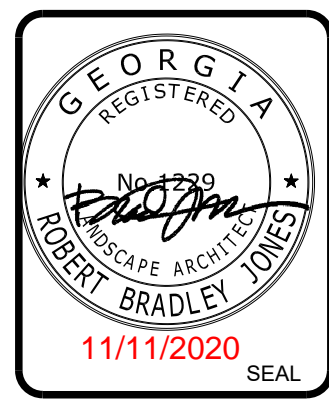
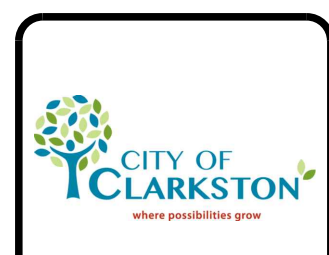
N/F  
 JOHN EDDINGTON, JR. & KAREN FELTZ-EDDINGTON  
 TAX ID# 18-096-15-001  
 DB 26824, PG 429

N/F  
 CITY OF CLARKSTON  
 TAX ID# 18-096-18-002  
 DB 24436, PG 287

N/F  
 GEORGIA POWER COMPANY  
 TAX ID# 18-096-18-001  
 DB 2048, PG 579



BID SET



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |

|                  |       |                   |               |
|------------------|-------|-------------------|---------------|
| DESIGNED BY: RBJ | DATE: | SOLICITATION NO.: | CONTRACT NO.: |
| DWN BY: MAM      |       |                   |               |
| SPT              |       |                   |               |
| SUBMITTED BY:    |       | FILE NAME:        | FILE NUMBER:  |
|                  |       | 18-001.dwg        |               |
|                  |       | SIZE:             | PLOT SCALE:   |
|                  |       | 22" x 34"         | 1" = 11'      |
|                  |       |                   | PLOT DATE:    |
|                  |       |                   | 11/11/2020    |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 3000 Parkway Lane  
 Clarkston, GA 30009  
 Phone 678.398.7740  
 Fax 678.398.7744

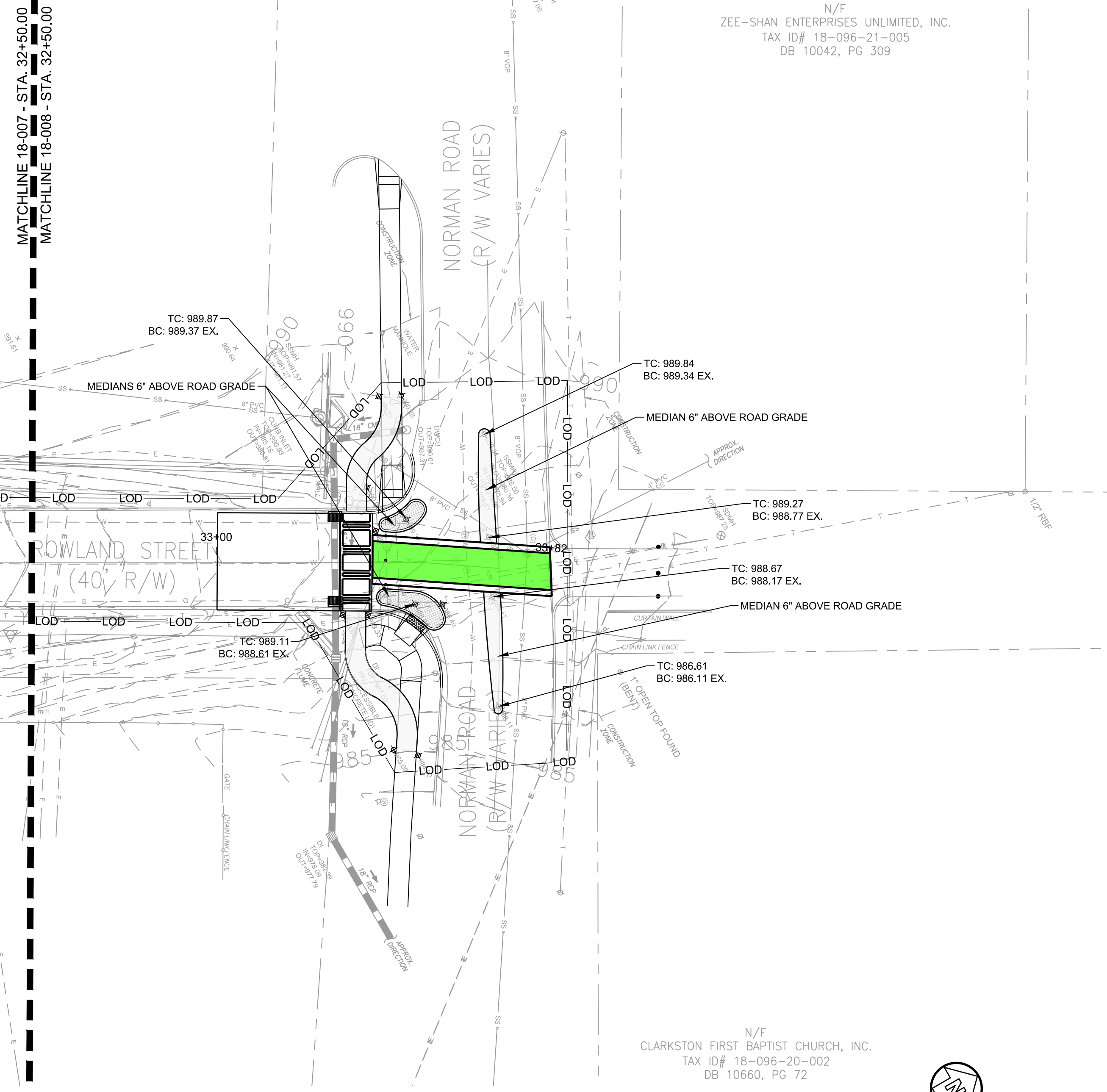
POND PROJECT No. 18-001

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

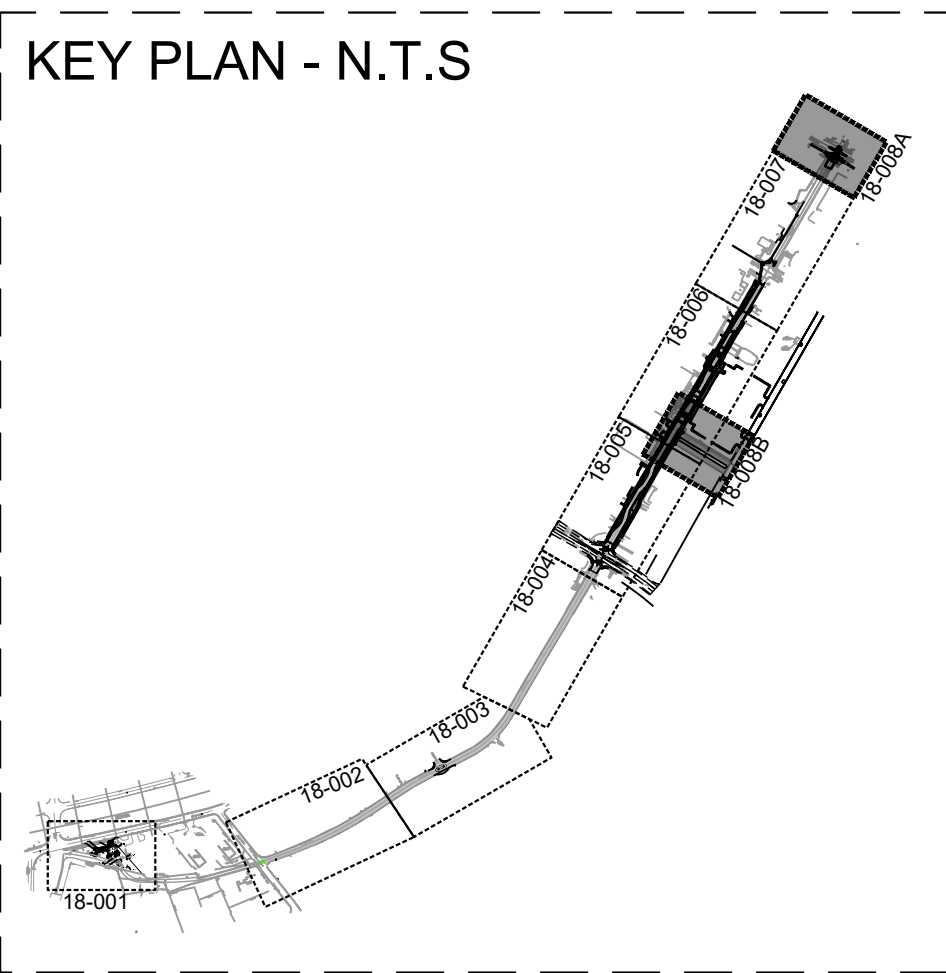
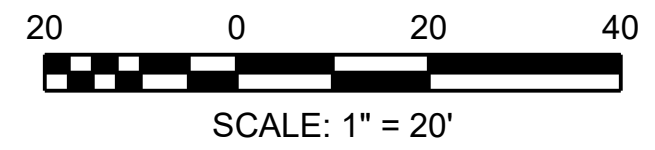
GRADING PLAN - MAINLINE

SHEET  
 IDENTIFICATION  
 NUMBER  
**18-007**

FILE PATH: \\AOPSERVER\RESOURCES\PROJECTS\1911190154\04 CAD\_BIM\04.02.CAD\ROWLAND\_TRAILHEAD\18-001.DWG PLOTTED BY: THOMPSON, SYDNEY



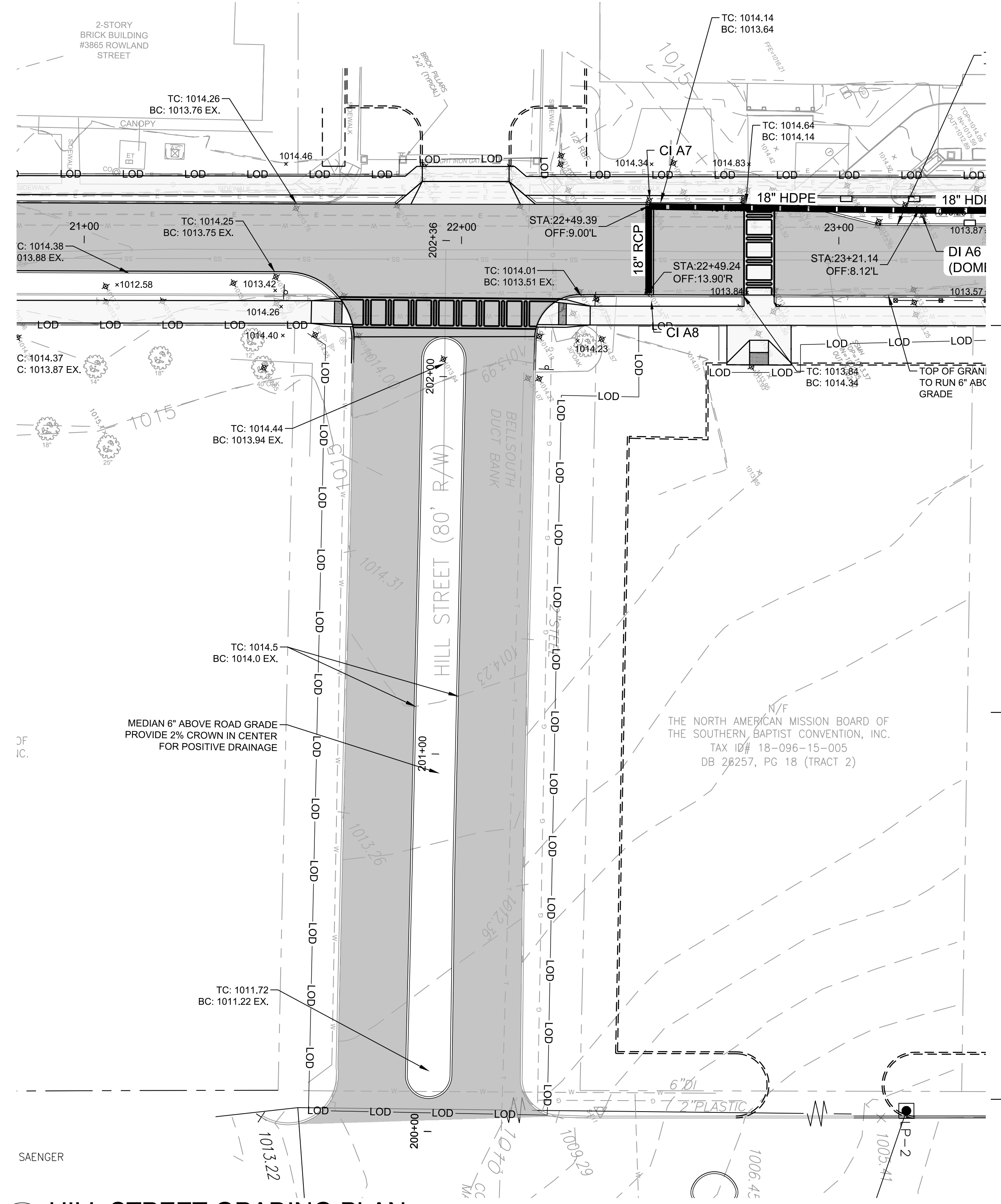
**A GRADING PLAN**  
SCALE: 1" = 20'-0"



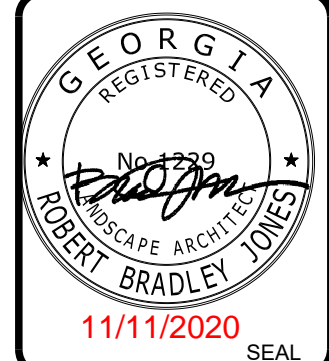
**KEY PLAN - N.T.S**

N/F  
ZEE-SHAN ENTERPRISES UNLIMITED, INC.  
TAX ID# 18-096-21-005  
DB 10042, PG 309

N/F  
CLARKSTON FIRST BAPTIST CHURCH, INC.  
TAX ID# 18-096-20-002  
DB 10660, PG 72



**B HILL STREET GRADING PLAN**  
SCALE: 1" = 20'-0"



| ADDENDUM | DATE       | DESCRIPTION |
|----------|------------|-------------|
| 1        | 11.11.2020 |             |

|                  |             |                   |
|------------------|-------------|-------------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: |
| DRAWN BY: SPT    | CHK BY: MAM | CONTRACT NO.:     |
| SUBMITTED BY:    | FILE NAME:  | FILE NUMBER:      |
|                  | 18-001.dwg  | 18-001            |
|                  | SIZE:       | PLOT SCALE:       |
|                  | 22" x 34"   | 1" = 1'           |
|                  |             | PLOT DATE:        |
|                  |             | 11/11/2020        |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
3000 Parkway Lane  
Clarkston, GA 30009  
Phone 678.398.7740  
Fax 678.398.7744

POND PROJECT No. 18-001

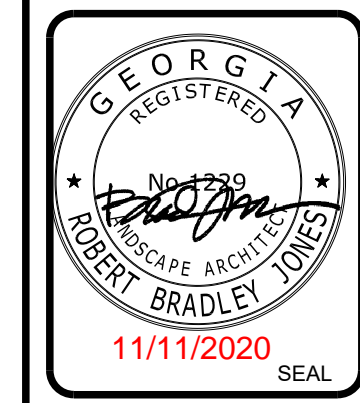
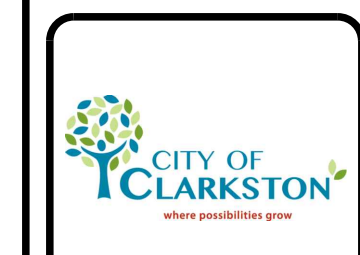
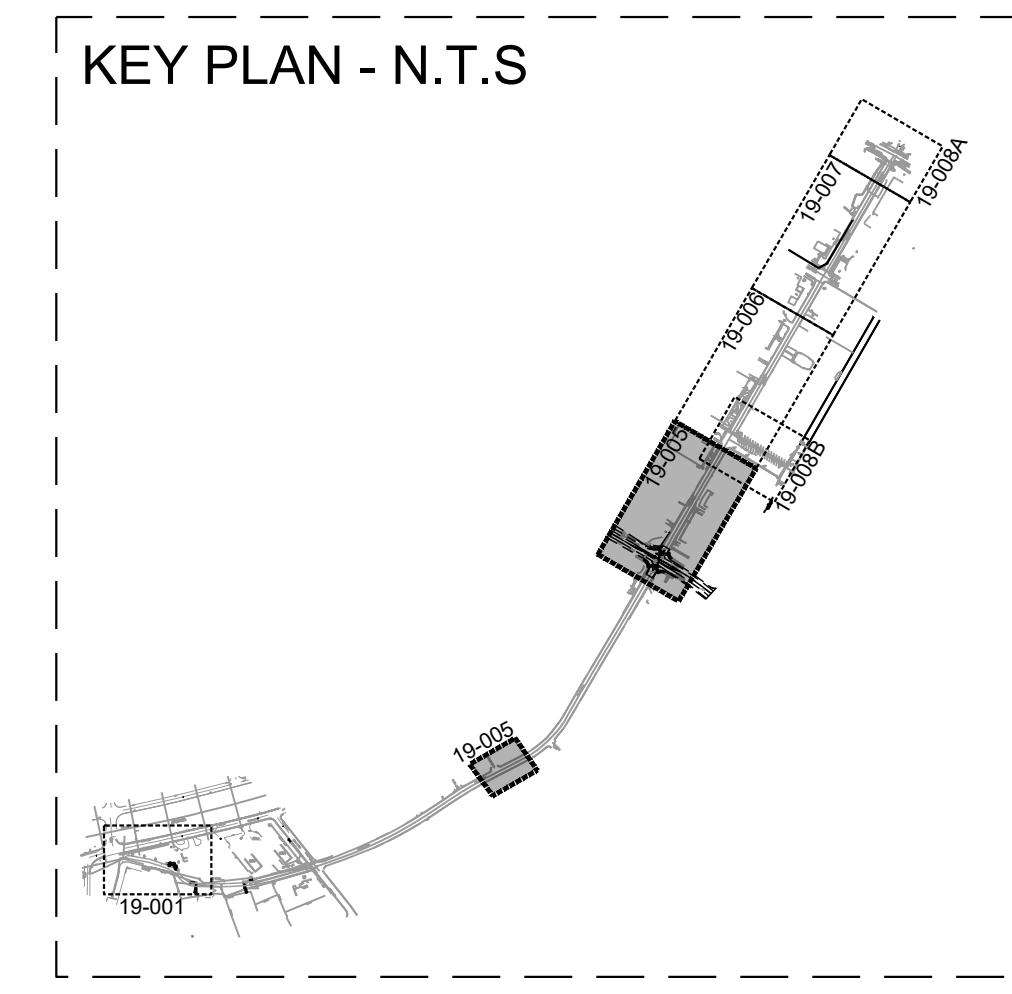
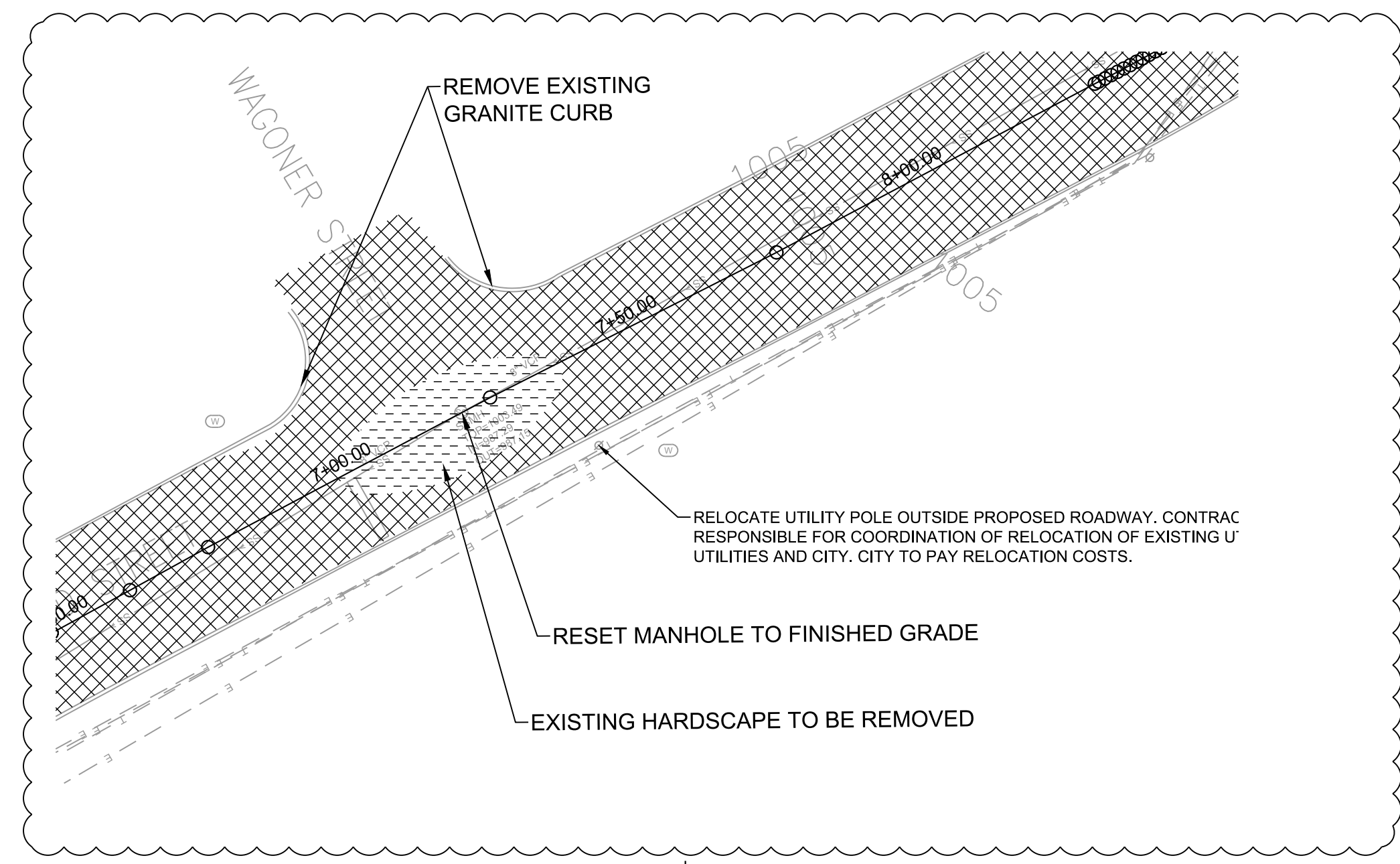
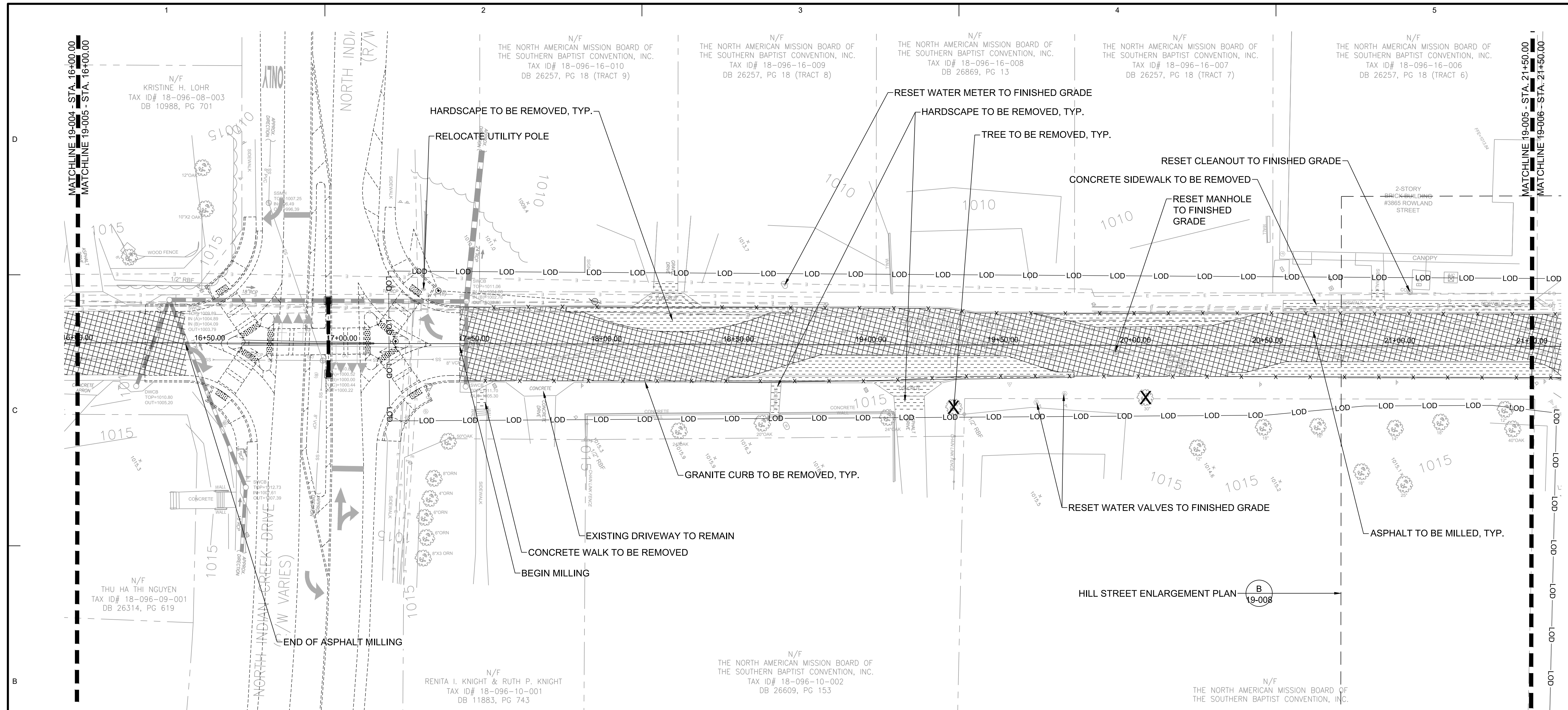
**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

**GRADING PLAN - MAINLINE**

SHEET  
IDENTIFICATION  
NUMBER  
**18-008**

BID SET

FILE PATH: \\APCSERVER\RESOURCES\PROJECTS\191190154\04 CAD\_BIM\04.02\CADROWLAND\_TRAILHEAD\19-001.DWG PLOTTED BY: THOMPSON, SYDNEY



| NO. | REVISION / DESCRIPTION | DATE       | APPR. |
|-----|------------------------|------------|-------|
| 1   | ADDENDUM 1             | 11.11.2020 |       |

|                  |       |                   |               |                 |              |            |
|------------------|-------|-------------------|---------------|-----------------|--------------|------------|
| DESIGNED BY: RBJ | DATE: | SOLICITATION NO.: | CONTRACT NO.: | FILE NAME:      | FILE NUMBER: | FILE DATE: |
| DWN BY: MAM      |       |                   |               | 19-001.dwg      |              | 11/11/2020 |
| SPT:             |       |                   |               | SIZE: 22" x 34" |              |            |
| SUBMITTED BY:    |       |                   |               | PLOT SCALE: 1:1 |              |            |

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET TRAILHEAD DESIGN

**POND**  
 3000 Parkway Lane GA  
 30092 SUITE 500  
 Phone 678.398.7740  
 POND PROJECT No.1180426 Fax: 678.398.7744

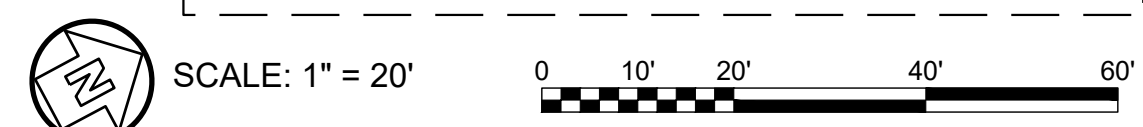
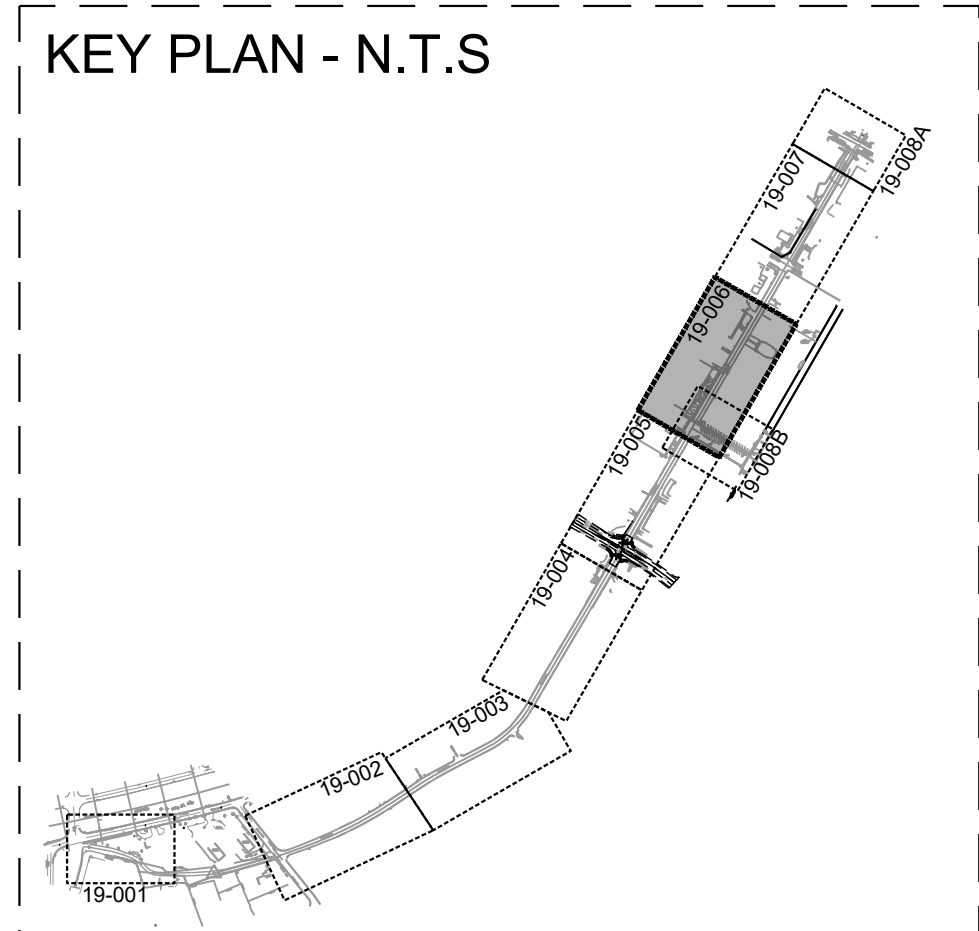
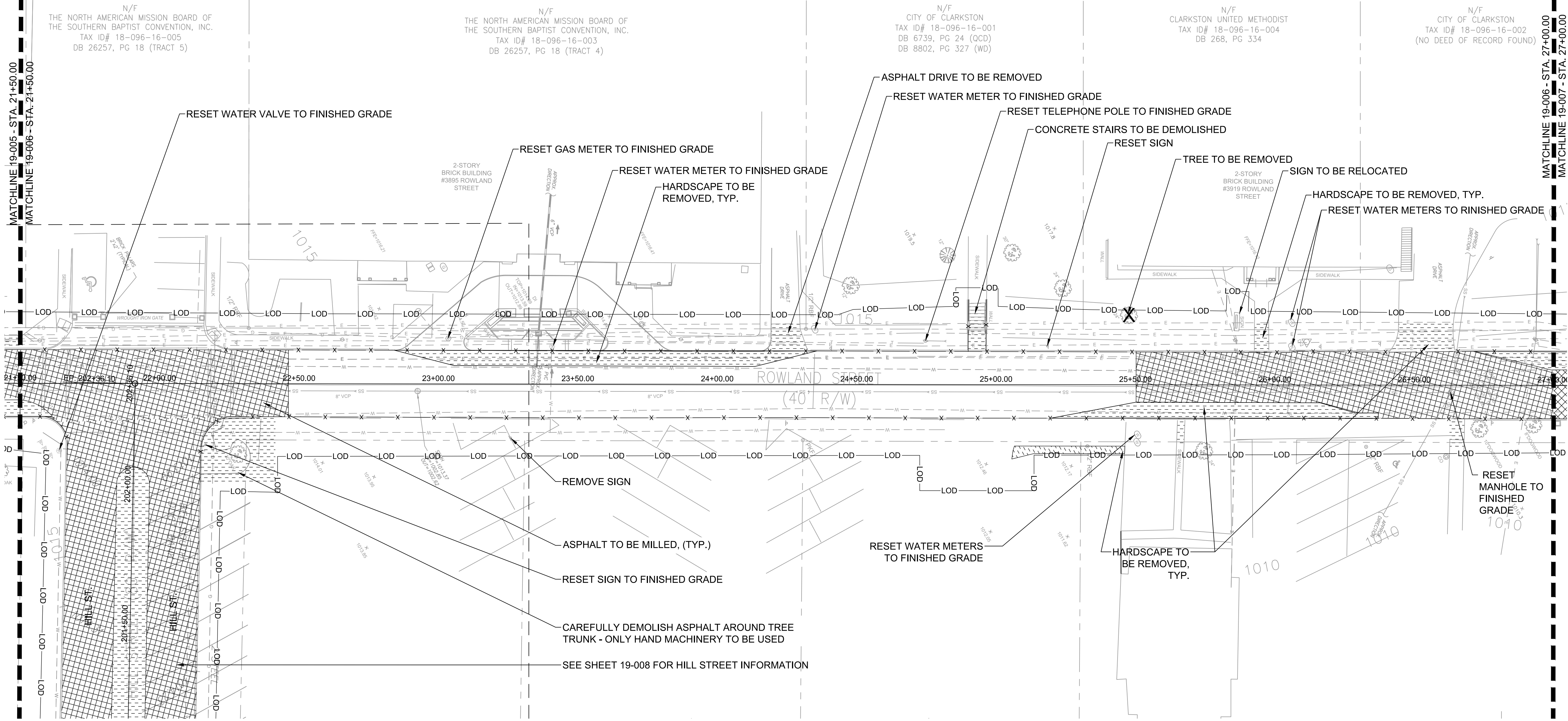
**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

DEMOLITION PLAN - MAINLINE

SHEET IDENTIFICATION NUMBER  
**19-005**

BID SET

FILE PATH: \\AOPSERVER\RESOURCES\PROJECTS\191190154\04\_CAD\_BIM\04.02\_CAD\ROWLAND\_TRAILHEAD\19-001.DWG PLOTTED BY: THOMPSON, SYDNEY



1 N/F THE NORTH AMERICAN MISSION BOARD OF THE SOUTHERN BAPTIST CONVENTION, INC. TAX ID# 18-096-16-005 DB 26257, PG 18 (TRACT 5)

2 N/F THE NORTH AMERICAN MISSION BOARD OF THE SOUTHERN BAPTIST CONVENTION, INC. TAX ID# 18-096-16-003 DB 26257, PG 18 (TRACT 4)

3 N/F CITY OF CLARKSTON TAX ID# 18-096-16-001 DB 6739, PG 24 (OCD) DB 8802, PG 327 (WD)

4 N/F CLARKSTON UNITED METHODIST TAX ID# 18-096-16-004 DB 268, PG 334

5 N/F CITY OF CLARKSTON TAX ID# 18-096-16-002 (NO DEED OF RECORD FOUND)

MATCHLINE 19-005 - STA. 21+50.00  
MATCHLINE 19-006 - STA. 21+50.00

MATCHLINE 19-006 - STA. 27+00.00  
MATCHLINE 19-007 - STA. 27+00.00



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |

|                  |                       |                       |
|------------------|-----------------------|-----------------------|
| DESIGNED BY: RBJ | DATE:                 | SOLICITATION NO.:     |
| DWN BY: SPT      | CRD BY: MAW           | CONTRACT NO.:         |
| SUBMITTED BY:    | FILE NAME: 19-001.DWG | FILE NUMBER:          |
|                  | SIZE: 22" x 34"       | PLOT SCALE: 1" = 11'  |
|                  |                       | PLOT DATE: 11/11/2020 |

CITY OF CLARKSTON  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
3000 Parkway Lane  
Clarkston, GA 30009  
Phone 678.398.7740  
Fax 678.398.7744

POND PROJECT No. 1180426

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

DEMOLITION PLAN - MAINLINE

SHEET IDENTIFICATION NUMBER  
**19-006**

BID SET

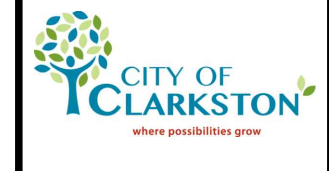
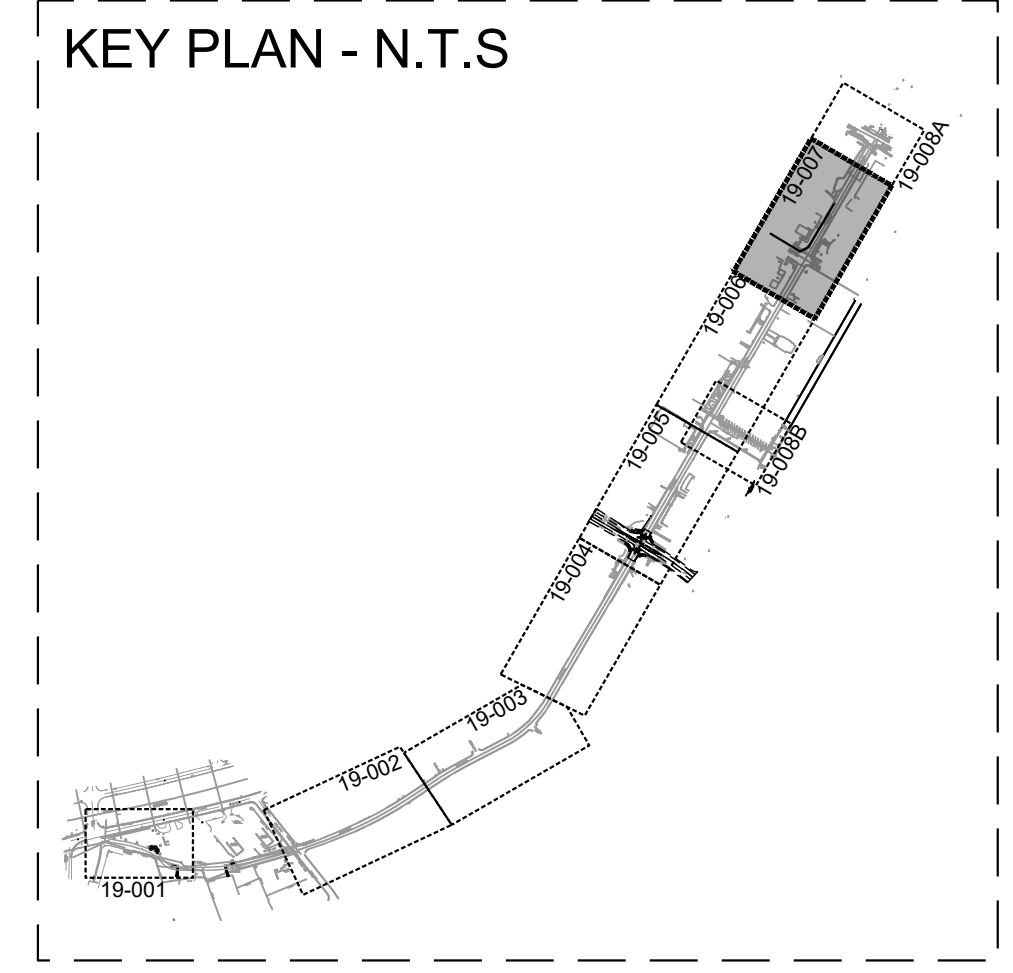
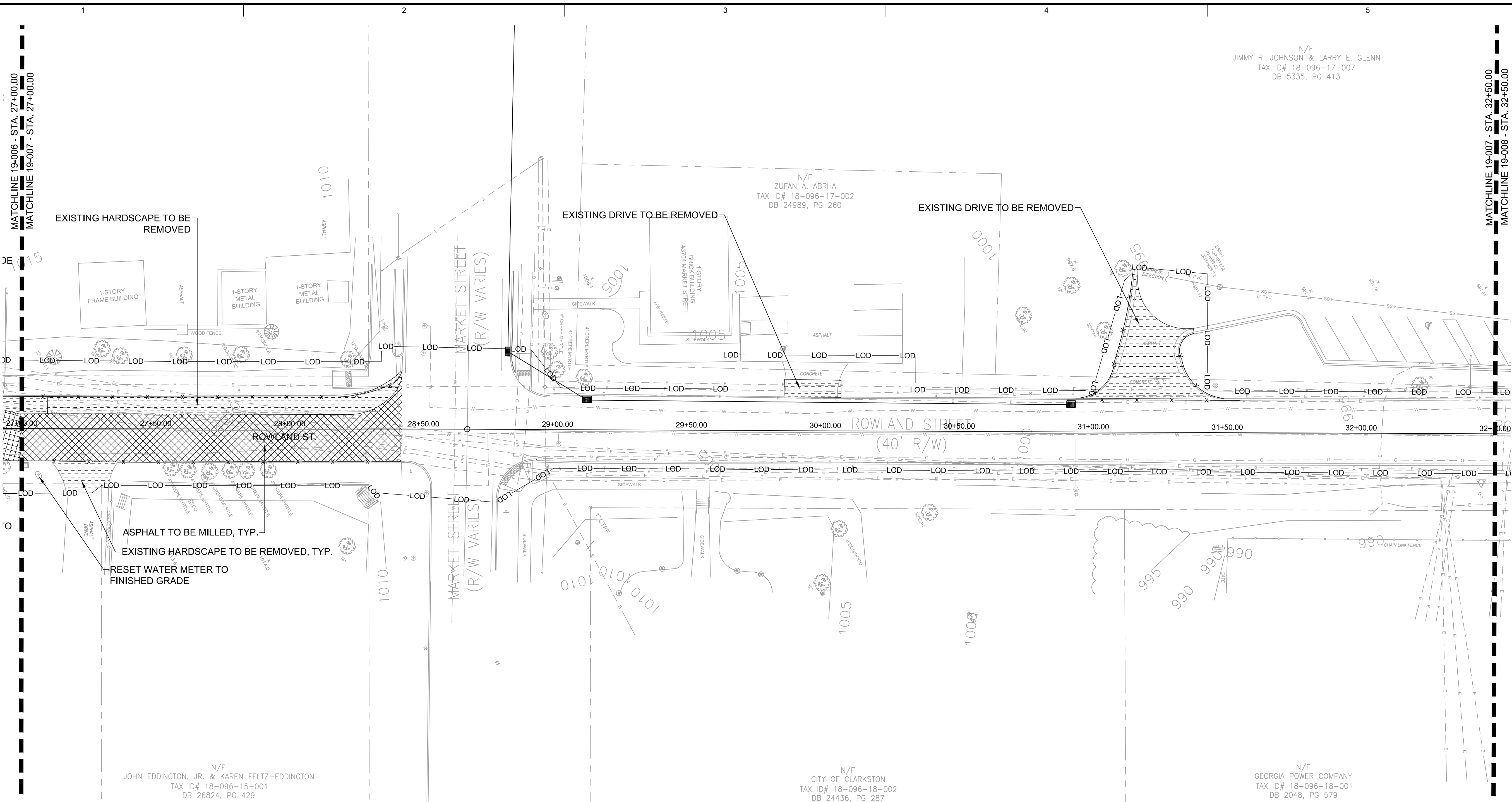
N/F  
 JIMMY R. JOHNSON & LARRY E. GLENN  
 TAX ID# 18-096-17-007  
 DB 5335, PG 413

N/F  
 ZUFAN A. ABRHA  
 TAX ID# 18-096-17-002  
 DB 24989, PG 260

N/F  
 JOHN EDDINGTON, JR. & KAREN FELTZ-EDDINGTON  
 TAX ID# 18-096-15-001  
 DB 26824, PG 429

N/F  
 CITY OF CLARKSTON  
 TAX ID# 18-096-18-002  
 DB 24436, PG 287

N/F  
 GEORGIA POWER COMPANY  
 TAX ID# 18-096-18-001  
 DB 2048, PG 579



| NO. | DATE       | DESCRIPTION | MARK | APPR. |
|-----|------------|-------------|------|-------|
| 1   | 11.11.2020 | ADDENDUM 1  |      |       |

|                  |                 |                      |
|------------------|-----------------|----------------------|
| DESIGNED BY: RBJ | DATE:           | SOLICITATION NO.:    |
| DWN BY: MAM      | CRD BY: MAM     | CONTRACT NO.:        |
| SPT              | FILE NAME:      | FILE NUMBER:         |
|                  | 19-001.dwg      | 11112020             |
|                  | SIZE: 22" x 34" | PLOT SCALE: 1" = 11' |

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET TRAILHEAD DESIGN

**POND**  
 3000 Parkway Lane GA  
 30092 SUITE 500  
 Phone 678.387.7740  
 POND PROJECT No. 1180426 Fax 678.387.7744

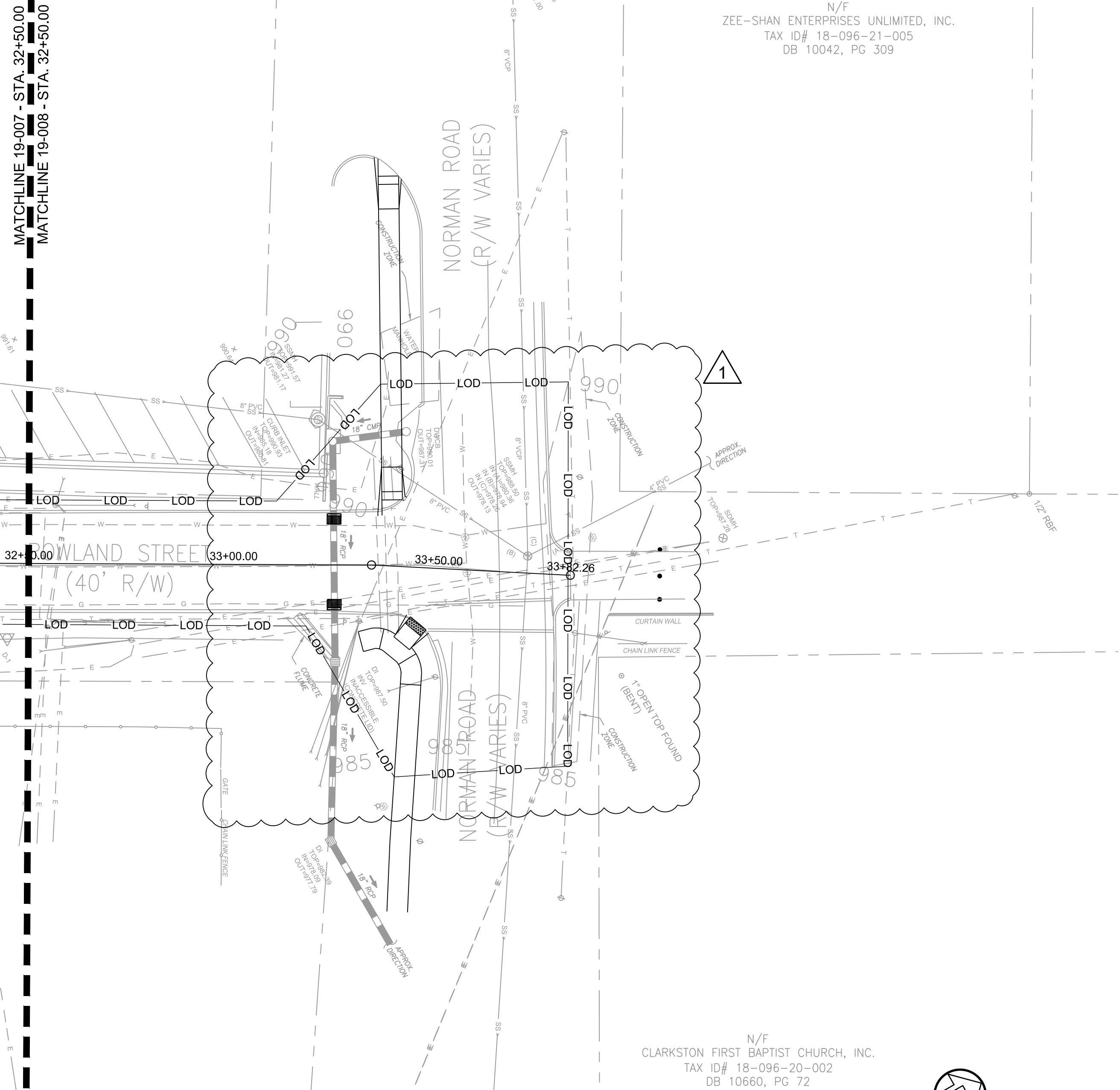
**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**

DEMOLITION PLAN - MAINLINE

SHEET IDENTIFICATION NUMBER  
**19-007**



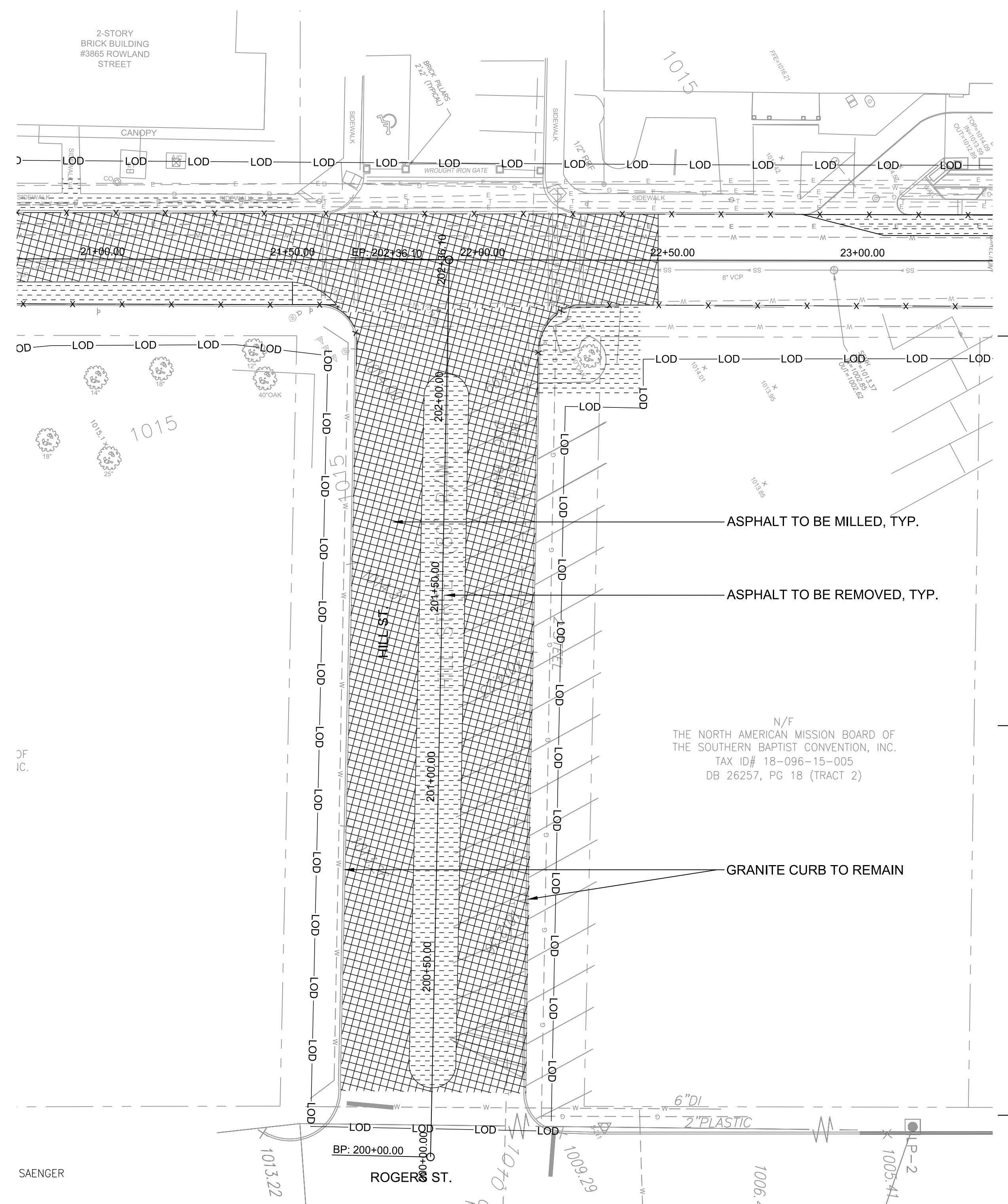
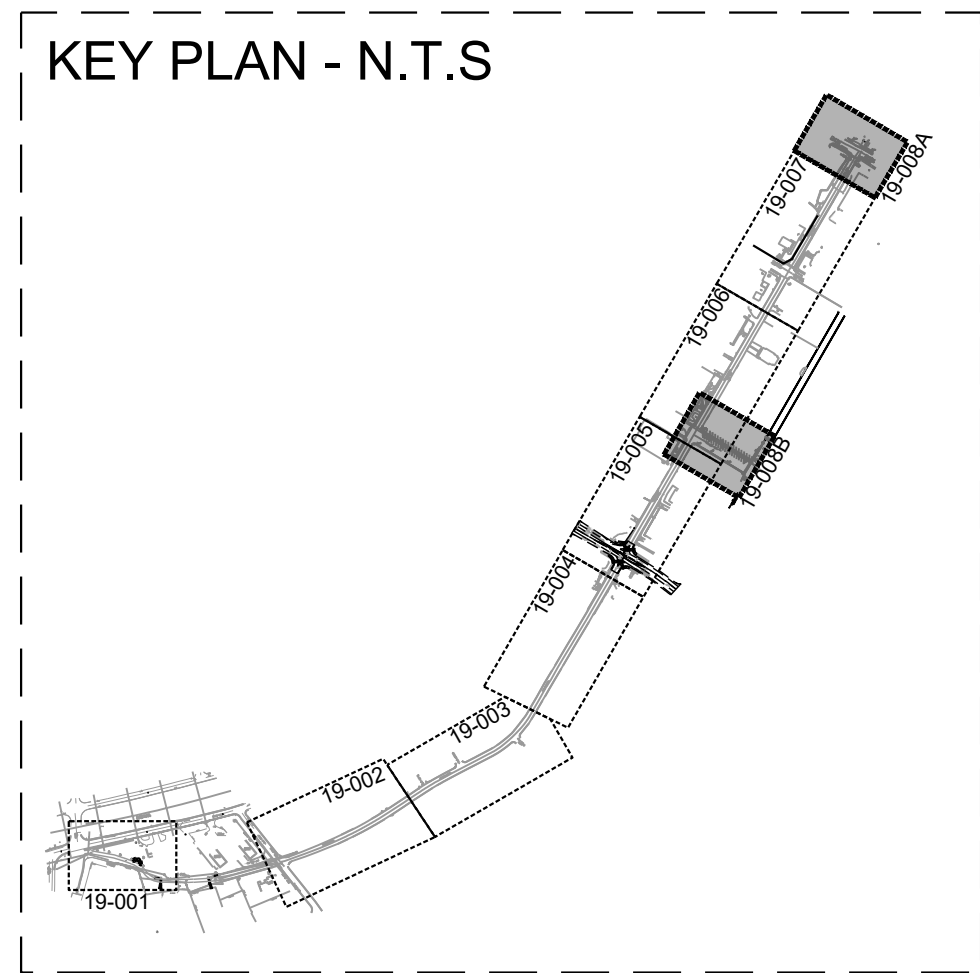
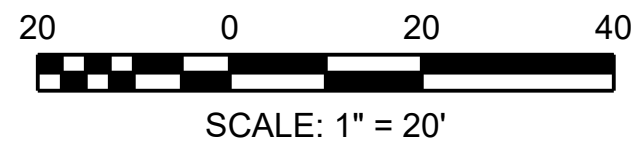
FILE PATH: \\VCP3SERVER\RESOURCES\PROJECTS\1911190154\04 CAD\_BIM\04.02 CAD\ROWLAND\_TRAILHEAD\19-001.DWG PLOTTED BY: THOMPSON, SYDNEY



N/F  
ZEE-SHAN ENTERPRISES UNLIMITED, INC.  
TAX ID# 18-096-21-005  
DB 10042, PG 309

N/F  
CLARKSTON FIRST BAPTIST CHURCH, INC.  
TAX ID# 18-096-20-002  
DB 10660, PG 72

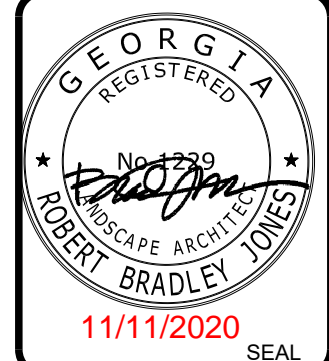
**A** DEMOLITION PLAN  
SCALE: 1" = 20'-0"



OF  
IC.

N/F  
THE NORTH AMERICAN MISSION BOARD OF  
THE SOUTHERN BAPTIST CONVENTION, INC.  
TAX ID# 18-096-15-005  
DB 26257, PG 18 (TRACT 2)

**B** HILL STREET DEMOLITION PLAN  
SCALE: 1" = 20'-0"



| NO. | DATE       | DESCRIPTION | MARK | APPR. |
|-----|------------|-------------|------|-------|
| 1   | 11.11.2020 | ADDENDUM 1  |      |       |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
3000 Parkway Lane  
Clarkston, GA 30009  
Phone 678.389.7740  
Fax 678.389.7744

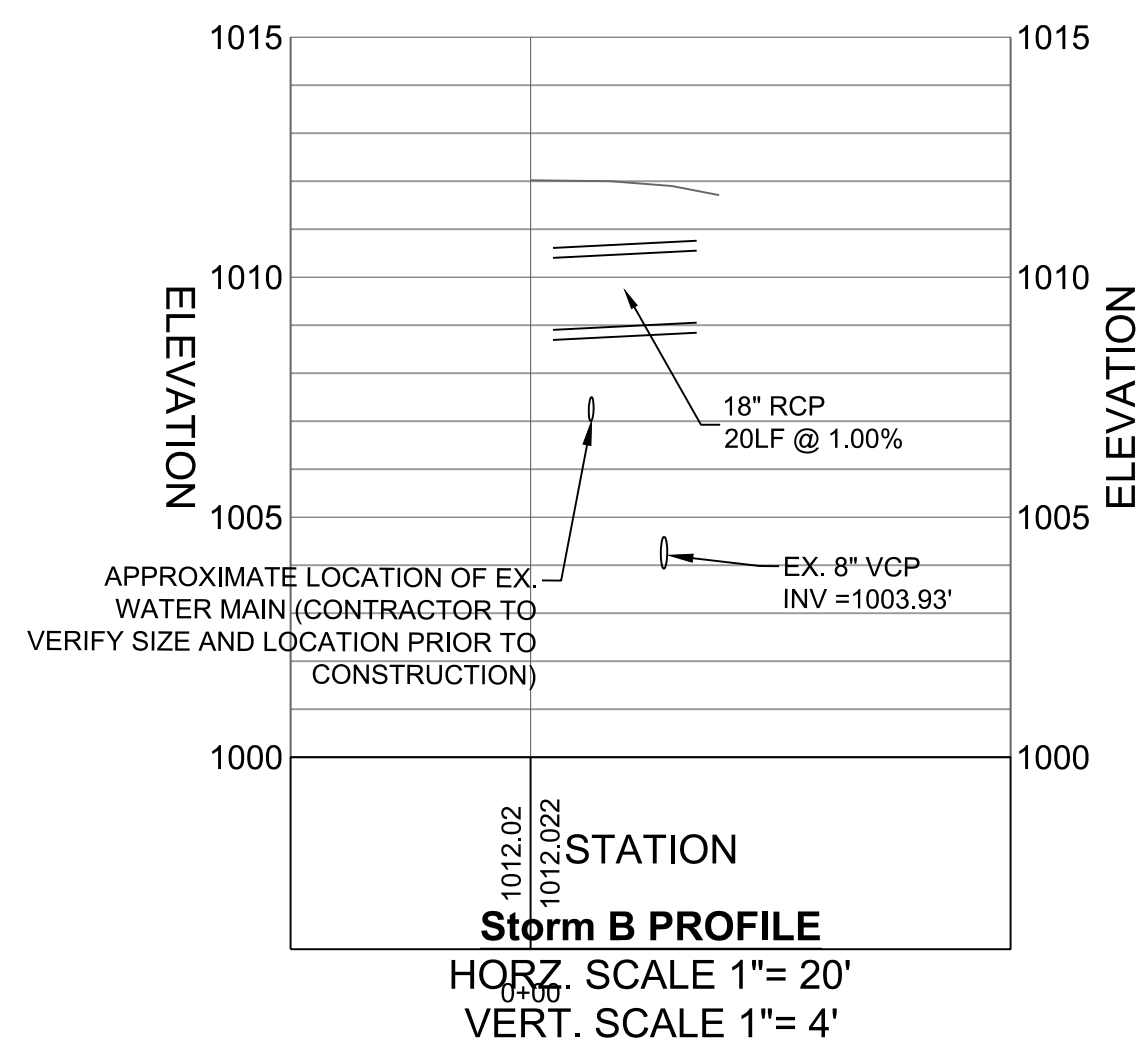
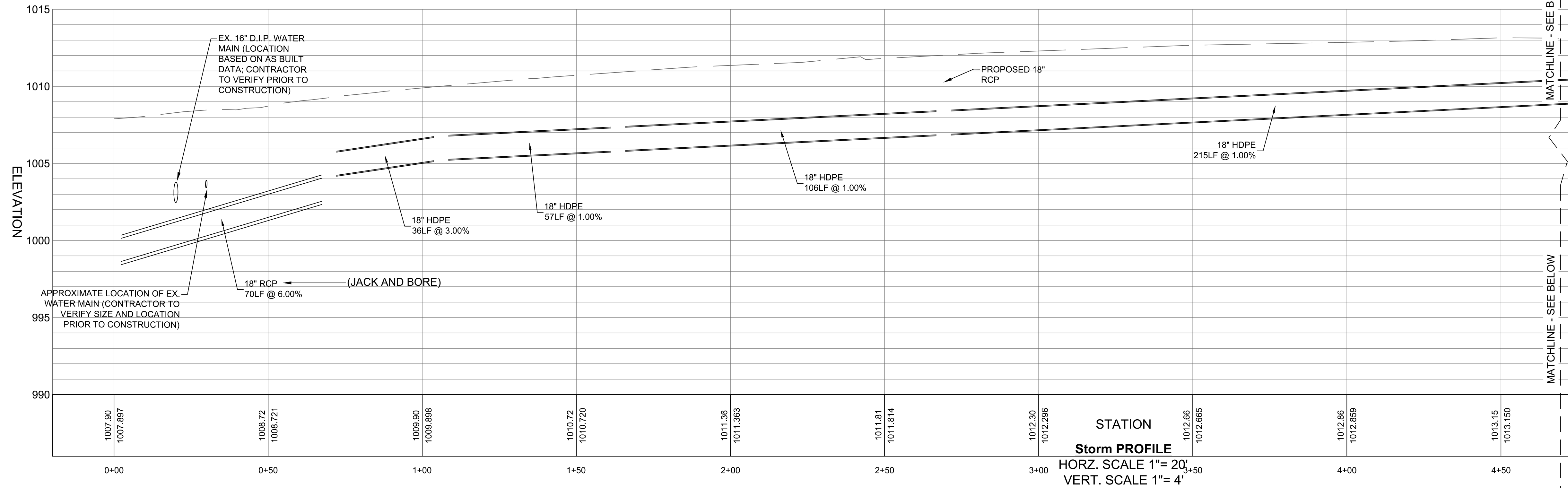
POND PROJECT No. 1180426

|                  |       |                   |               |
|------------------|-------|-------------------|---------------|
| DESIGNED BY: RBJ | DATE: | SOLICITATION NO.: | CONTRACT NO.: |
| DWN BY: MAM      |       |                   |               |
| SPT              |       |                   |               |
| SUBMITTED BY:    |       | FILE NAME:        | FILE NUMBER:  |
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|                  |       | SIZE:             | PLOT SCALE:   |
|                  |       | 22" x 34"         | 1" = 1'       |

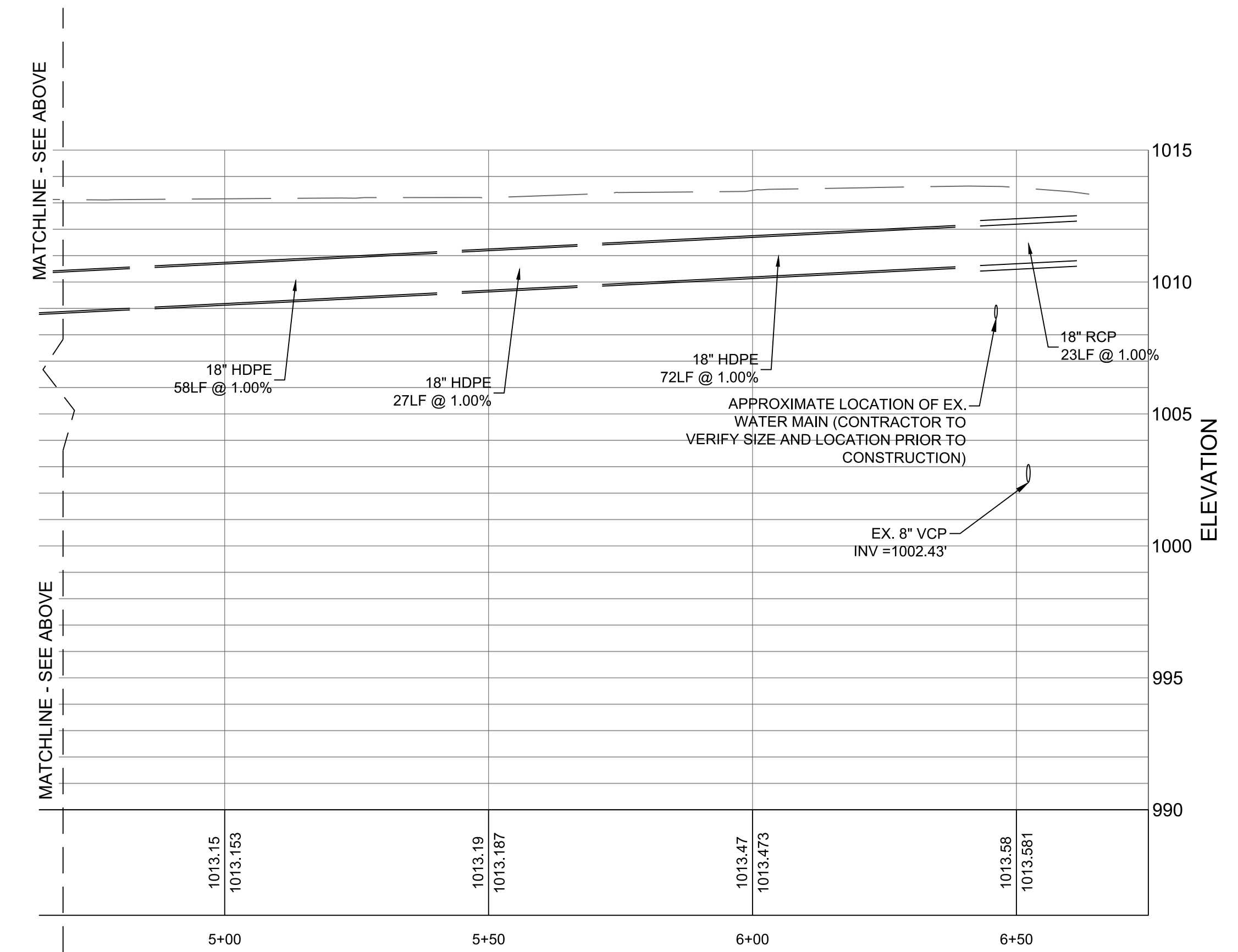
**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

DEMOLITION PLAN - MAINLINE

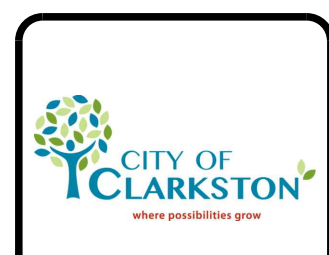
SHEET  
IDENTIFICATION  
NUMBER  
**19-008**



1  
**PIPE PROFILES UPDATED**



**A1 STORM SEWER PROFILES**  
 HORIZONTAL SCALE: 1" = 20'  
 VERTICAL SCALE: 1" = 4'-0"



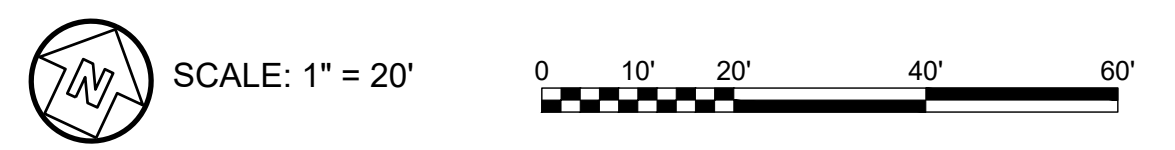
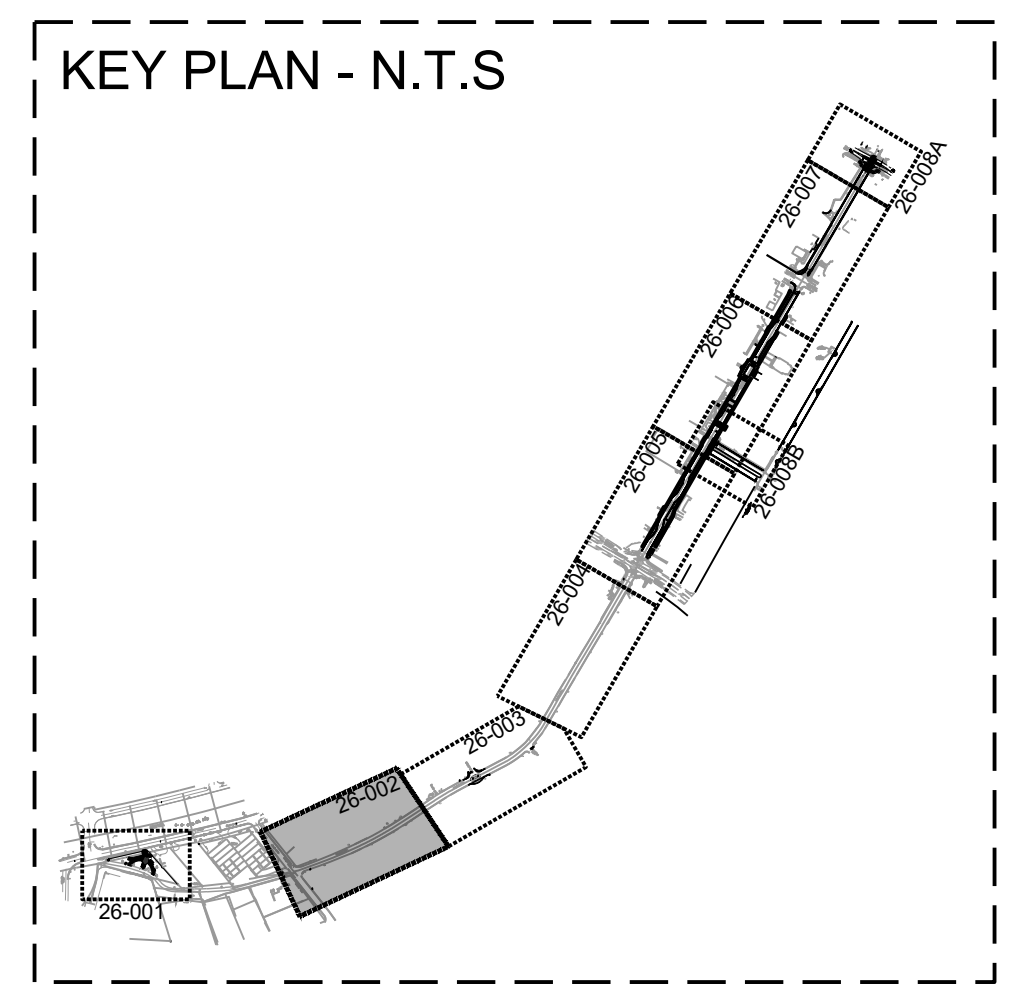
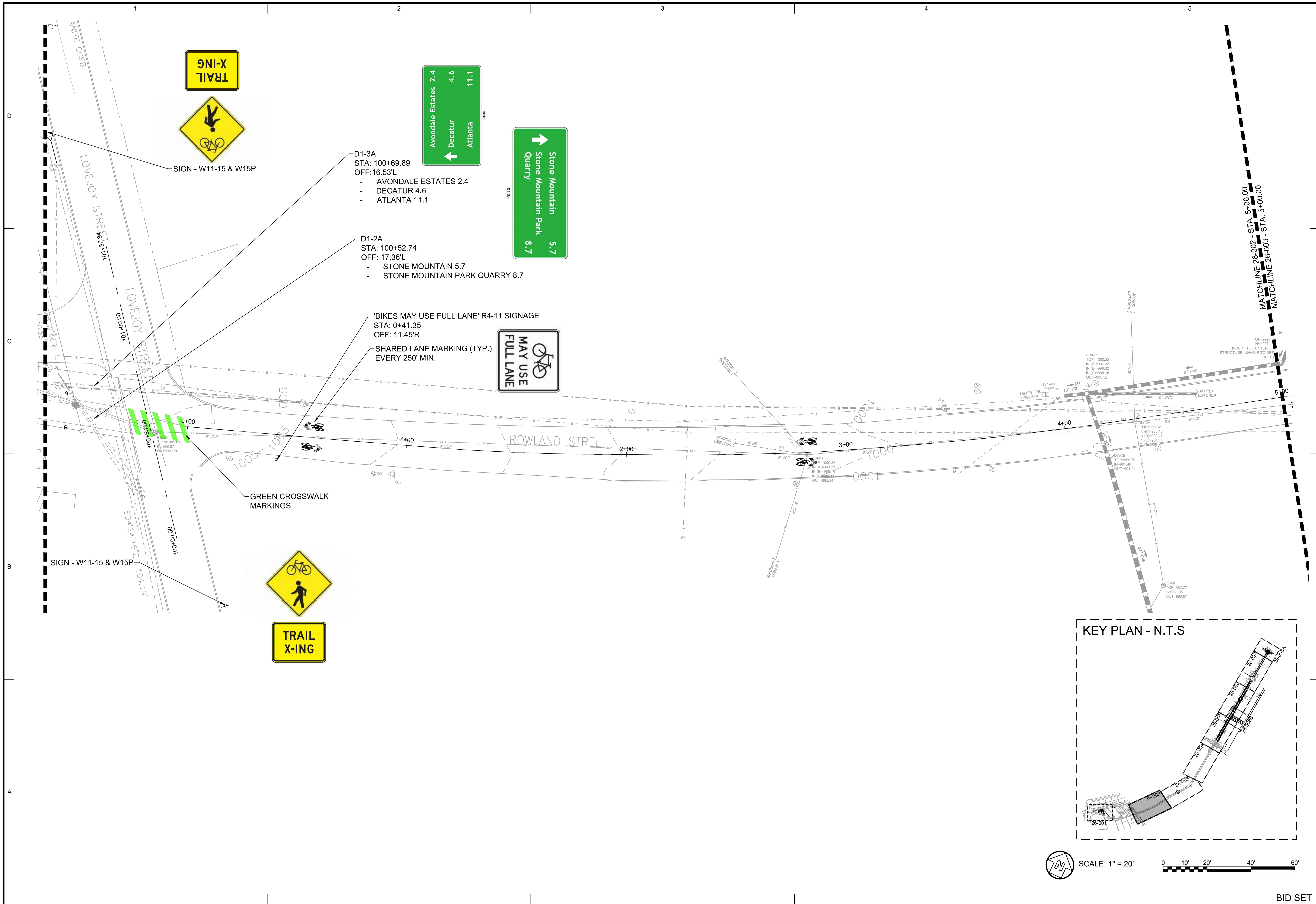
| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |


|                  |            |                   |
|------------------|------------|-------------------|
| DESIGNED BY: RBJ | DATE:      | SOLICITATION NO.: |
| DWN BY: MAM      | 11/11/2020 |                   |
| SPT              |            | CONTRACT NO.:     |
| SUBMITTED BY:    |            |                   |
| FILE NAME:       |            | FILE NUMBER:      |
| 18-001.dwg       |            |                   |
| SIZE:            |            | PLOT DATE:        |
| 22" x 34"        |            | 11/11/2020        |
|                  |            | PLOT SCALE:       |
|                  |            | 1" = 4'           |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN  
**POND**  
 3000 Parkway Lane  
 Clarkston, GA 30026  
 Phone: 678.387.7740  
 Fax: 678.387.7744  
 POND PROJECT No. 1180426

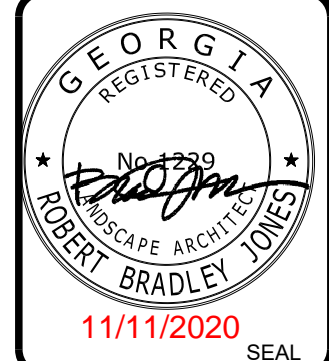
**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**  
 PIPE PROFILES

SHEET IDENTIFICATION NUMBER  
**22-001**





**CITY OF CLARKSTON**  
www.clarkston.ga.gov



REGISTERED PROFESSIONAL ENGINEER  
No. 4729  
ROBERT BRADLEY JONES  
11/11/2020 SEAL

| ADDENDUM | DATE       | DESCRIPTION | MARK | APPR. |
|----------|------------|-------------|------|-------|
| 1        | 11.11.2020 |             |      |       |

DESIGNED BY: RBJ  
DWN BY: MAM  
SPT: MAM  
SUBMITTED BY:

DATE: 11/11/2020  
SOLICITATION NO.:  
CONTRACT NO.:  
FILE NAME: 26-001.dwg  
FILE NUMBER:  
PLOT DATE: 11/11/2020  
PLOT SCALE: 22" x 34" 1:1

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

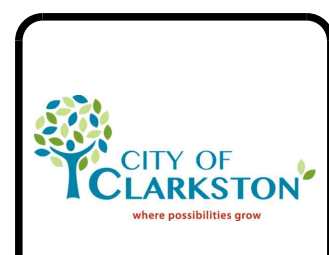
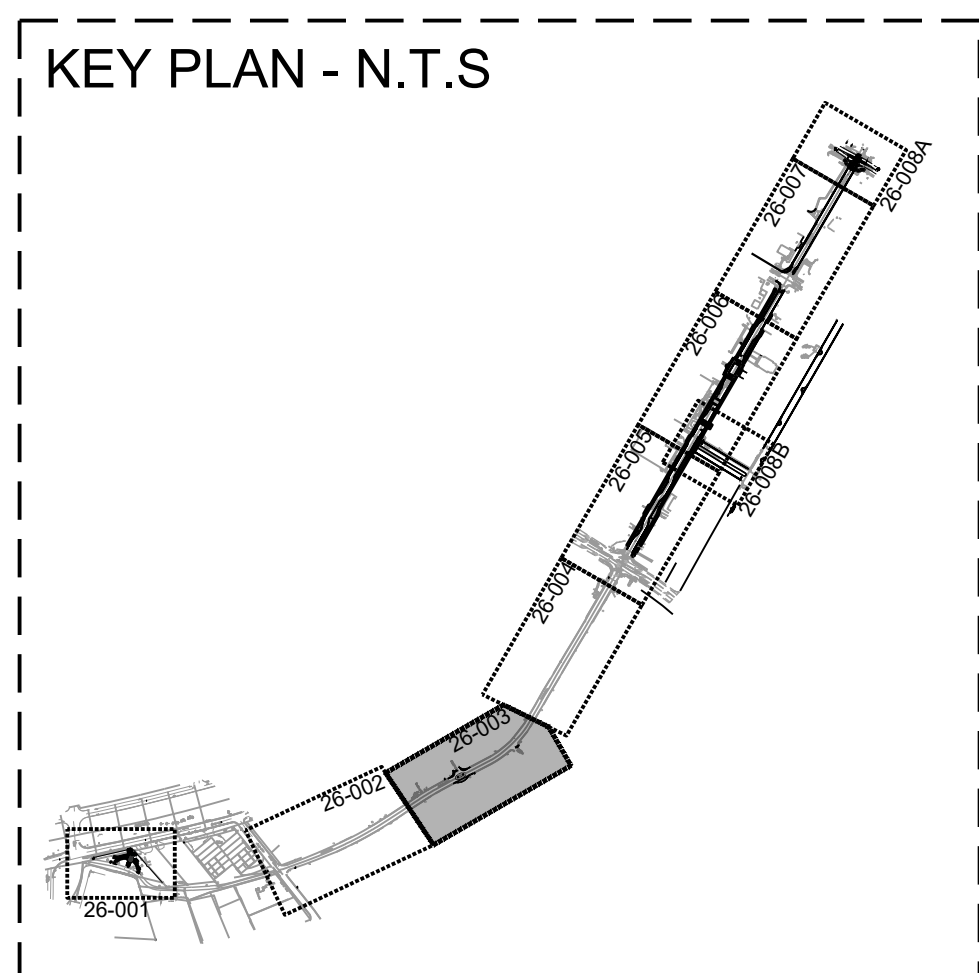
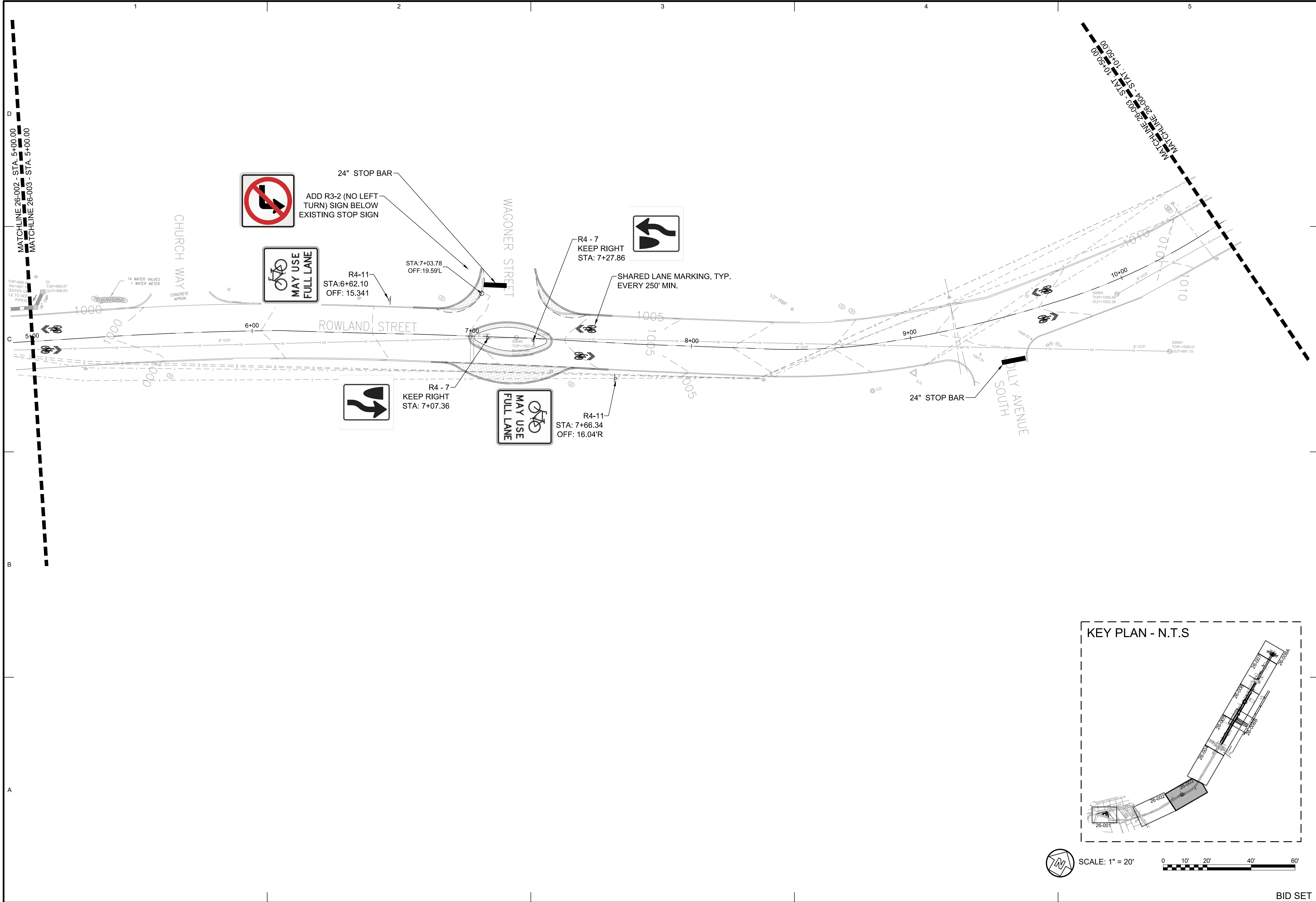
**POND**  
3000 Parkway Lane  
30002 SUITE 500  
Phone 678.387.7740  
Fax 678.387.7744  
POND PROJECT No. 1180426

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

**SIGNING AND MARKING PLAN AND  
DETAILS**

SHEET IDENTIFICATION NUMBER  
**26-002**

FILE PATH: \\ACP3SERVER\RESOURCES\PROJECTS\191190154\04\_CAD\_BIM\04.02\_CAD\ROWLAND\_TRAILHEAD\26-001.DWG PLOTTED BY: THOMPSON, SYDNEY



| NO. | DATE       | DESCRIPTION | MARK | APPR. |
|-----|------------|-------------|------|-------|
| 1   | 11.11.2020 | ADDENDUM 1  |      |       |

|                  |       |                   |
|------------------|-------|-------------------|
| DESIGNED BY: RBJ | DATE: | SOLICITATION NO.: |
| DWN BY: MAM      |       | CONTRACT NO.:     |
| SPT              |       | FILE NUMBER:      |
| SUBMITTED BY:    |       | FILE NAME:        |
|                  |       | 26-001.dwg        |
|                  |       | SIZE:             |
|                  |       | 22" x 34"         |
|                  |       | PLOT SCALE:       |
|                  |       | 1:1               |
|                  |       | PLOT DATE:        |
|                  |       | 11/11/2020        |

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

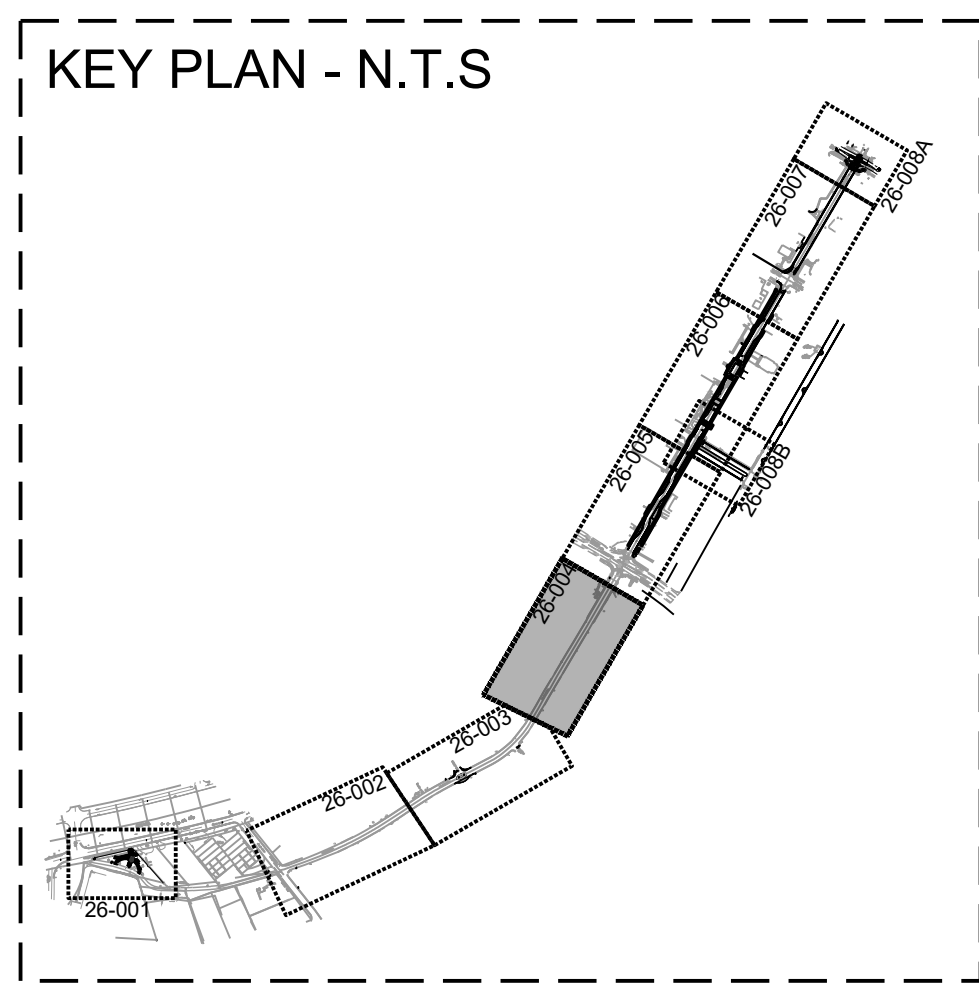
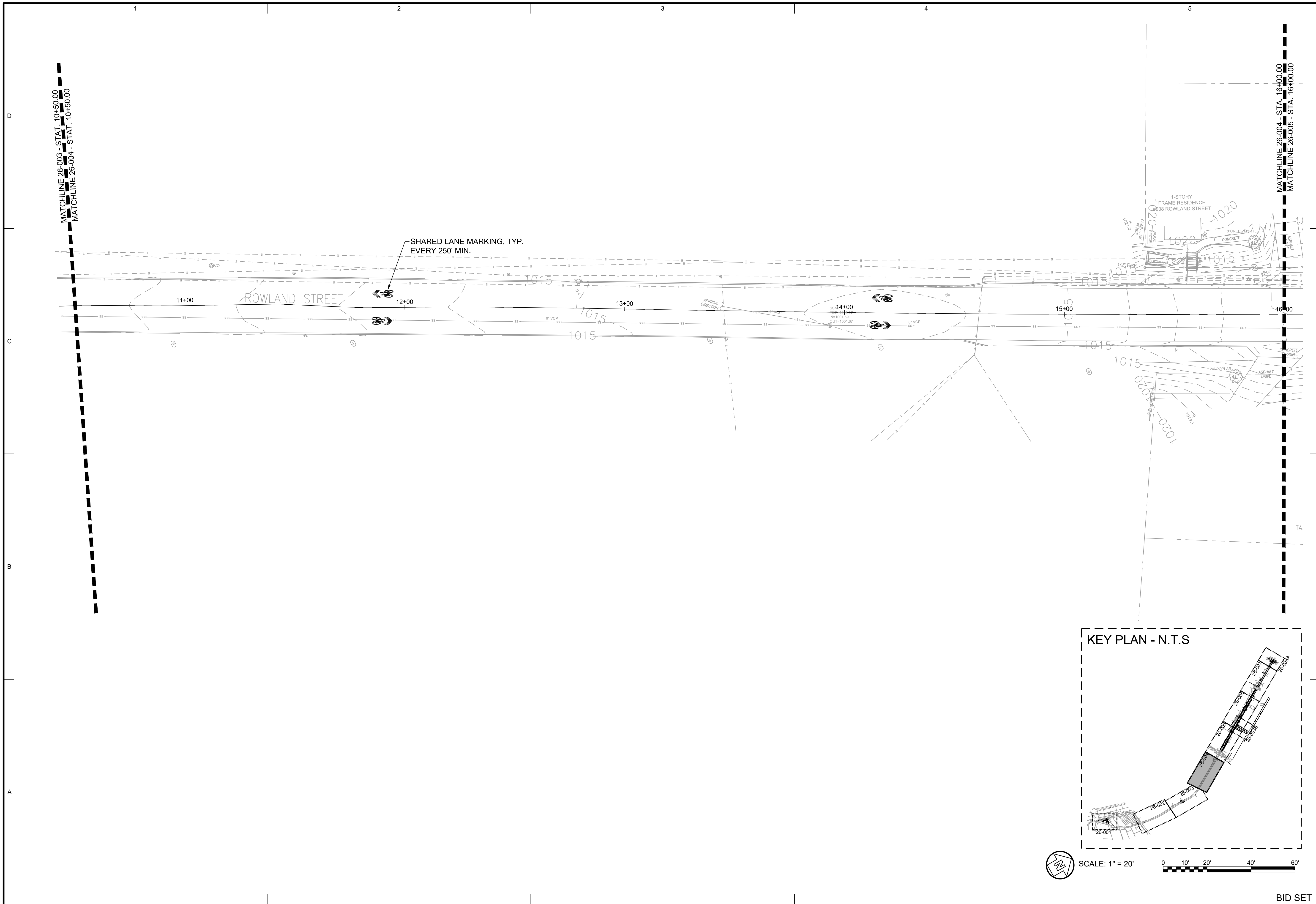
**POND**  
 3000 Parkway Lane  
 Suite 500  
 Clarkston, GA 30026  
 Phone: 678.389.7740  
 Fax: 678.387.7744  
 POND PROJECT No. 1180426

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

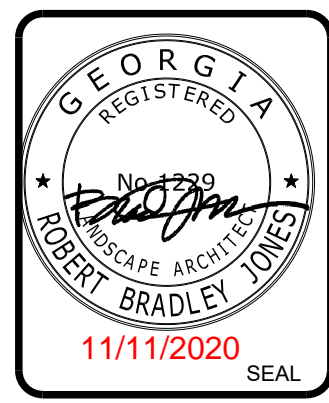
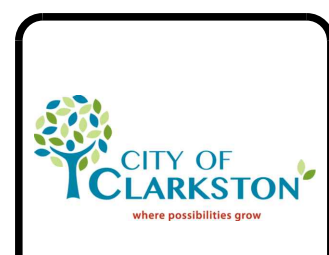
**SIGNING AND MARKING PLAN AND  
 DETAILS**

SHEET  
 IDENTIFICATION  
 NUMBER  
**26-003**

BID SET



SCALE: 1" = 20'



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |

|                  |       |                   |
|------------------|-------|-------------------|
| DESIGNED BY: RBJ | DATE: | SOLICITATION NO.: |
| DWN BY: JMAW     |       | CONTRACT NO.:     |
| SPT              |       | FILE NUMBER:      |
| SUBMITTED BY:    |       | SIZE:             |
| FILE NAME:       |       | PLOT SCALE:       |
| 26-001.DWG       |       | 22" x 34" 1:1     |
|                  |       | PLOT DATE:        |
|                  |       | 11/11/2020        |

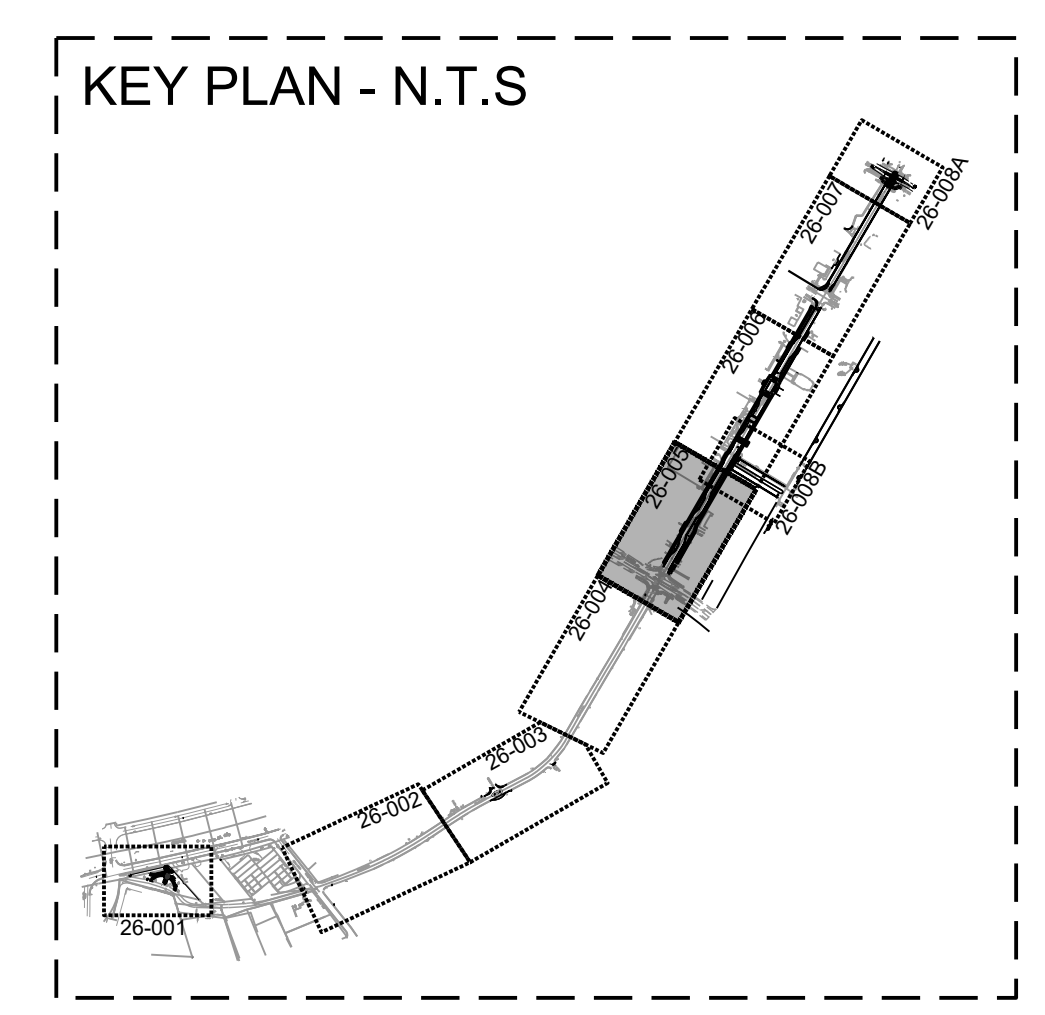
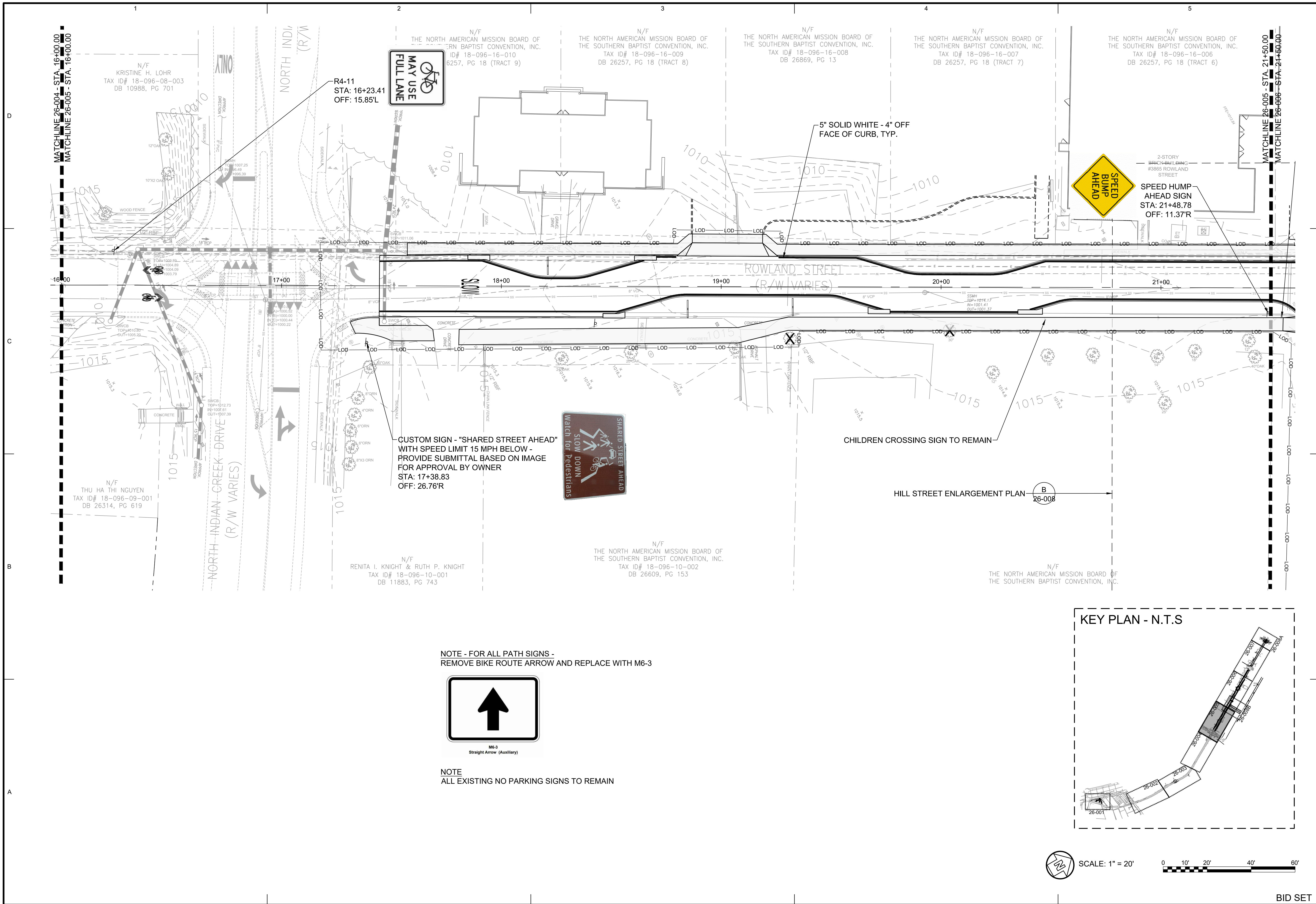
CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 3000 Parkway Lane  
 30092 SUITE 500  
 Phone 678.387.7740  
 POND PROJECT No. 1180426 Fax 678.387.7744

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

SIGNING AND MARKING PLAN AND  
 DETAILS

SHEET  
 IDENTIFICATION  
 NUMBER  
**26-004**



| NO. | DATE       | DESCRIPTION | MARK | DATE | APPR. |
|-----|------------|-------------|------|------|-------|
| 1   | 11.11.2020 | ADDENDUM 1  |      |      |       |

|                  |                      |                       |
|------------------|----------------------|-----------------------|
| DESIGNED BY: RBJ | DATE:                | SOLICITATION NO.:     |
| DWN BY: SPT      | CRD BY: MAM          | CONTRACT NO.:         |
| SUBMITTED BY:    | FILE NAME:           | FILE NUMBER:          |
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| SIZE: 22" x 34"  | PLOT SCALE: 1" = 20' | PLOT DATE: 11/11/2020 |

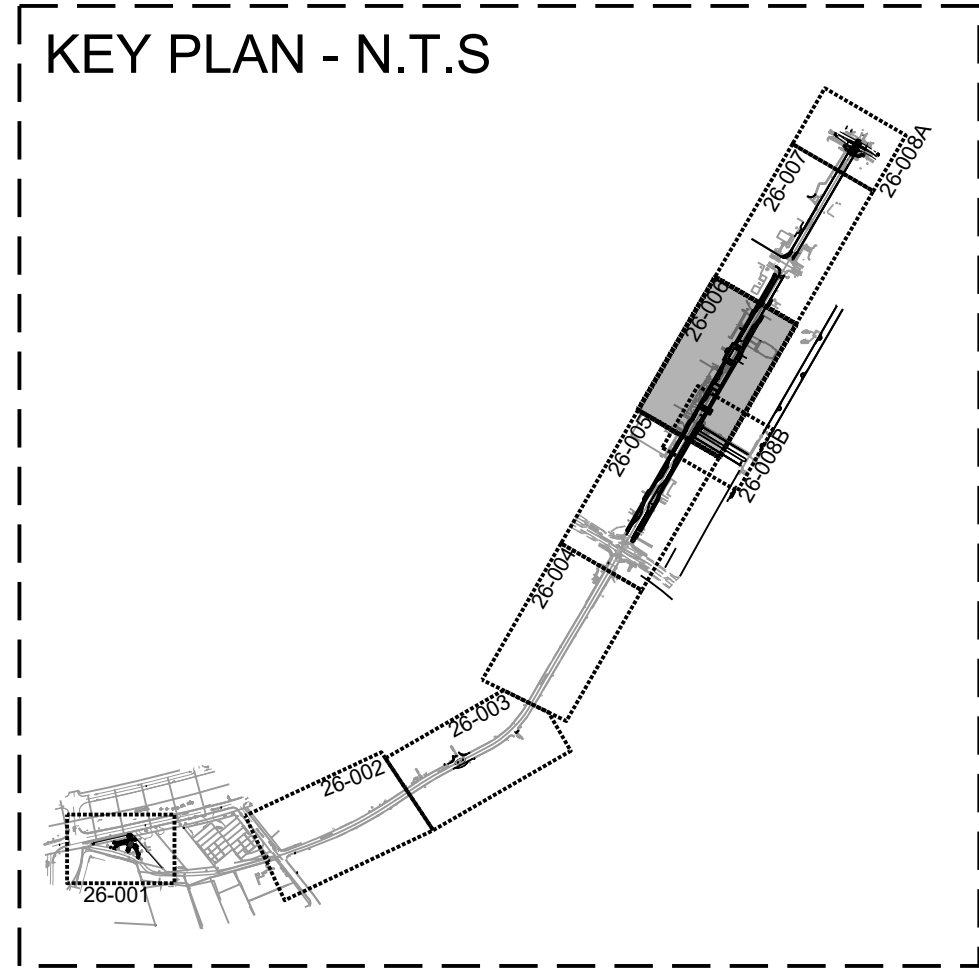
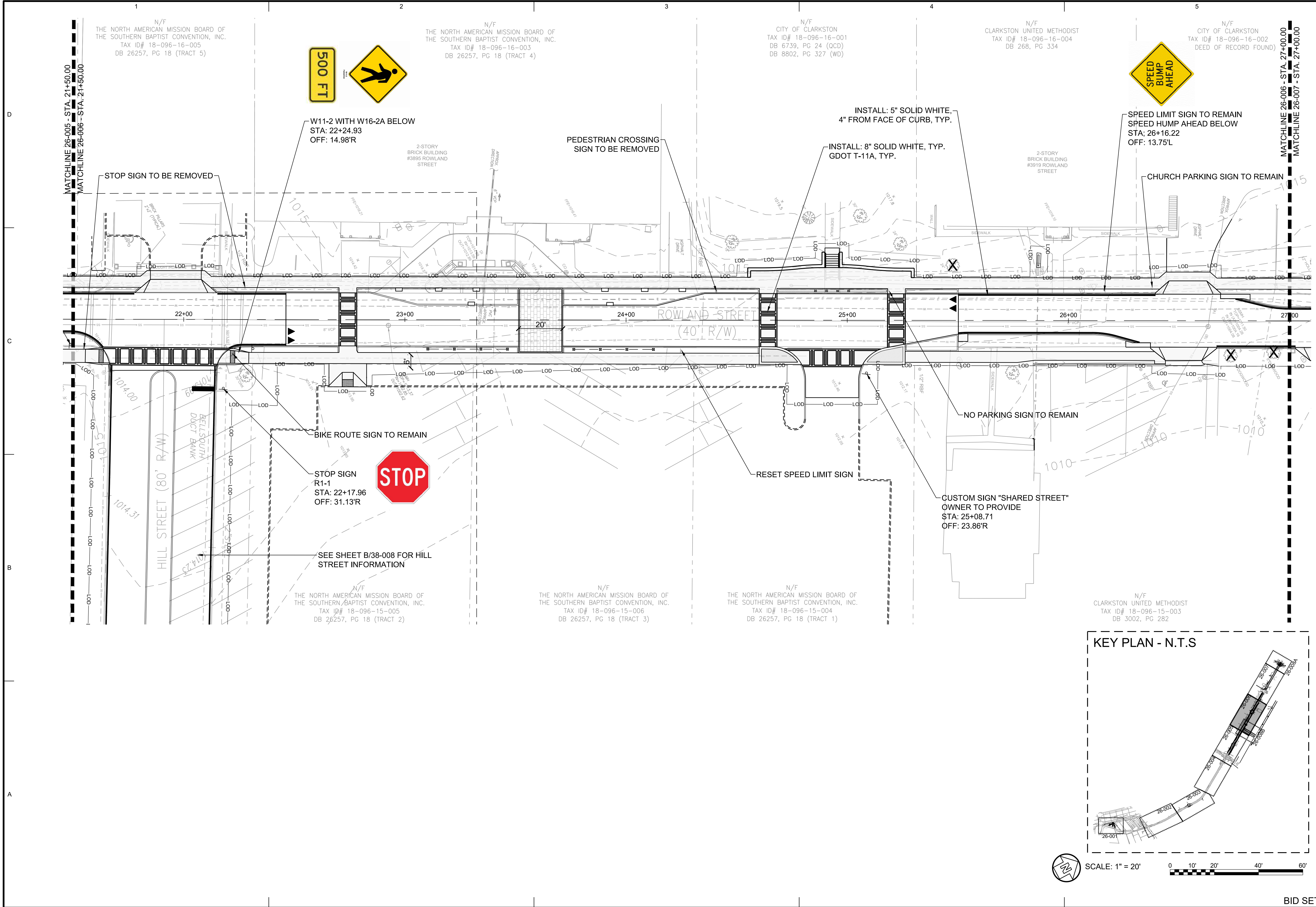
**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
3000 Parkway Lane  
Clarkston, GA 30009  
Phone 678.398.7740  
Fax 678.398.7744

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

**SIGNING AND MARKING PLAN AND  
DETAILS**

SHEET IDENTIFICATION NUMBER  
**26-005**



SCALE: 1" = 20'  
 0 10' 20' 40' 60'

1 N/F THE NORTH AMERICAN MISSION BOARD OF THE SOUTHERN BAPTIST CONVENTION, INC. TAX ID# 18-096-16-005 DB 26257, PG 18 (TRACT 5)

2 N/F THE NORTH AMERICAN MISSION BOARD OF THE SOUTHERN BAPTIST CONVENTION, INC. TAX ID# 18-096-16-003 DB 26257, PG 18 (TRACT 4)

3 N/F CITY OF CLARKSTON TAX ID# 18-096-16-001 DB 6739, PG 24 (OCD) DB 8802, PG 327 (WD)

4 N/F CLARKSTON UNITED METHODIST TAX ID# 18-096-16-004 DB 268, PG 334

5 N/F CITY OF CLARKSTON TAX ID# 18-096-16-002 DEED OF RECORD FOUND)

STOP SIGN TO BE REMOVED

W11-2 WITH W16-2A BELOW STA: 22+24.93 OFF: 14.98'R

2-STORY BRICK BUILDING #3895 ROWLAND STREET

PEDESTRIAN CROSSING SIGN TO BE REMOVED

INSTALL: 5" SOLID WHITE, 4" FROM FACE OF CURB, TYP.

INSTALL: 8" SOLID WHITE, TYP. GDOT T-11A, TYP.

SPEED LIMIT SIGN TO REMAIN SPEED HUMP AHEAD BELOW STA: 26+16.22 OFF: 13.75'L

CHURCH PARKING SIGN TO REMAIN

NO PARKING SIGN TO REMAIN

RESET SPEED LIMIT SIGN

CUSTOM SIGN "SHARED STREET" OWNER TO PROVIDE STA: 25+08.71 OFF: 23.86'R

BIKE ROUTE SIGN TO REMAIN

STOP SIGN R1-1 STA: 22+17.96 OFF: 31.13'R



SEE SHEET B/38-008 FOR HILL STREET INFORMATION

HILL STREET (80' R/W)

BELLSOUTH DUCT BANK

ROWLAND STREET (40' R/W)

26-006 - STA. 27+00.00  
 26-007 - STA. 27+00.00

|            |             |
|------------|-------------|
| 11.11.2020 | APPR.       |
| 11.11.2020 | DATE        |
| 11.11.2020 | MARK        |
| 11.11.2020 | DESCRIPTION |

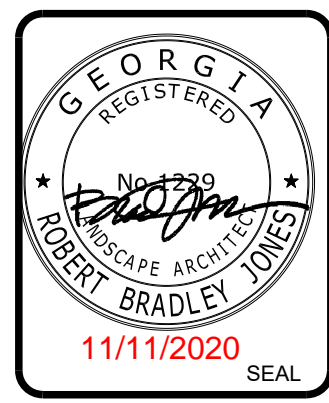
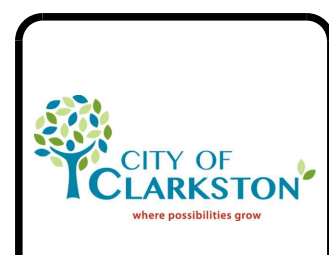
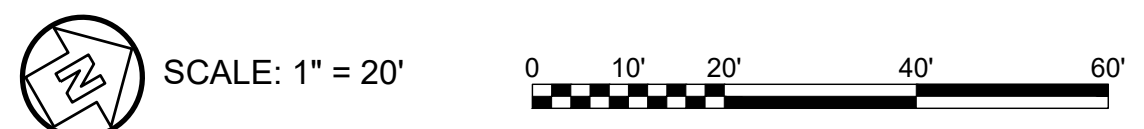
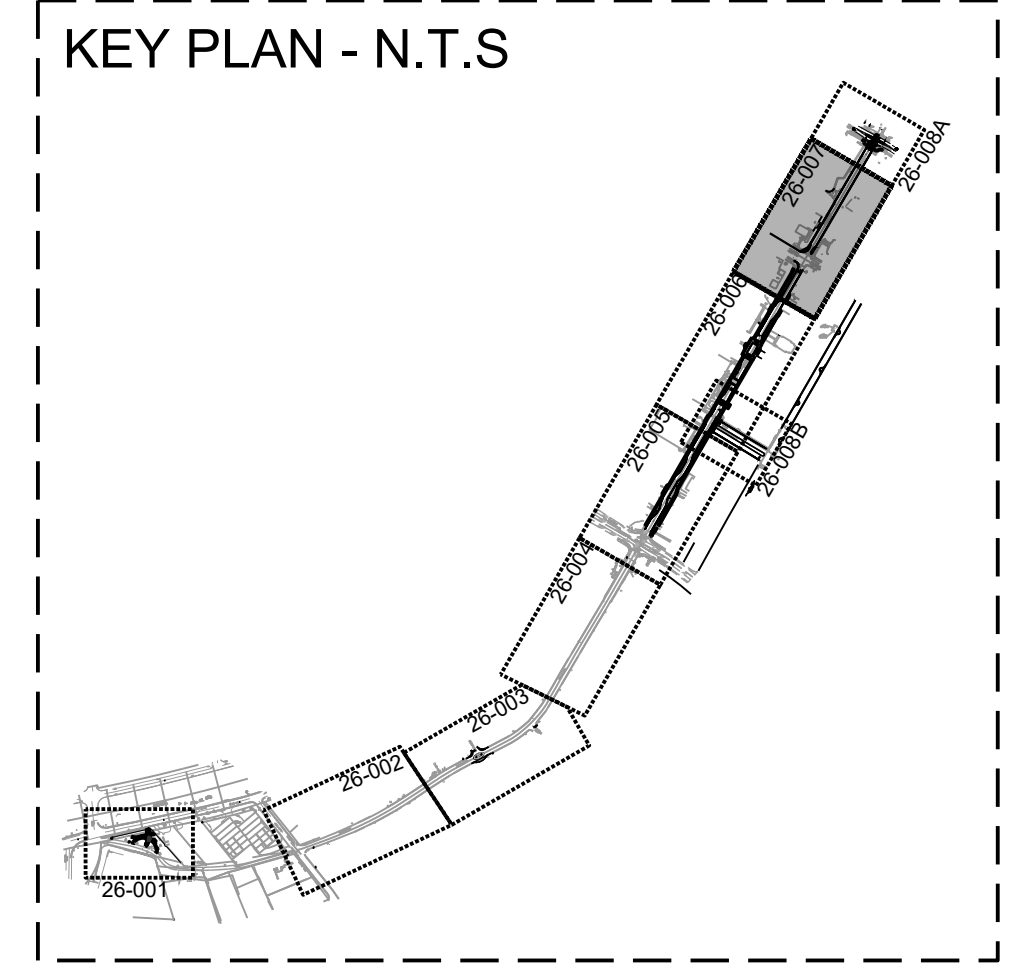
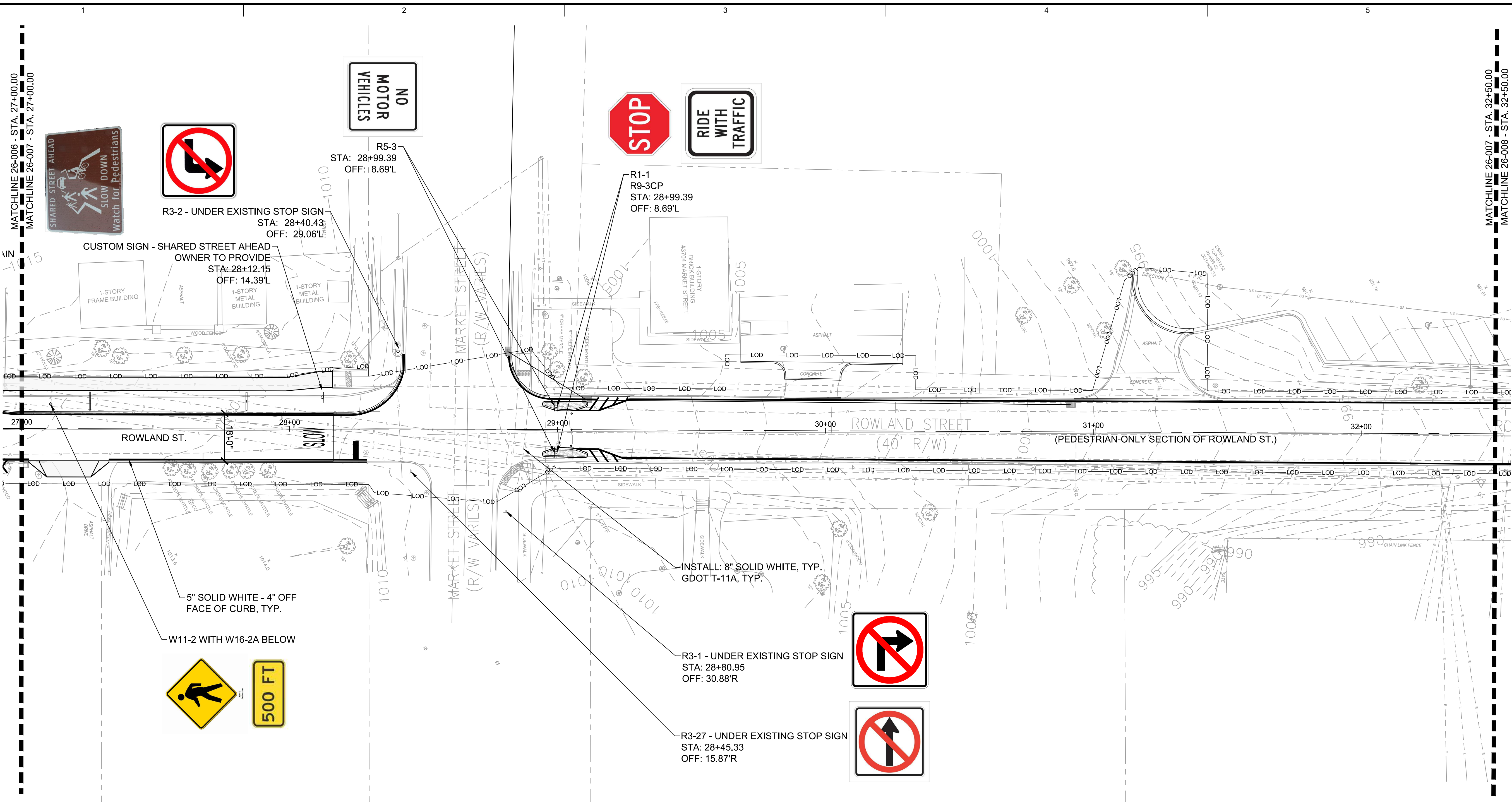
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| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: | CONTRACT NO.: | FILE NUMBER:  | PLOT DATE: |
| DWN BY: SPT      | CRD BY: MAW |                   |               | 26-001 DWG    | 11/11/2020 |
| SUBMITTED BY:    |             | FILE NAME:        |               | PLOT SCALE:   |            |
|                  |             | 26-001.DWG        |               | 22' x 34' 1:1 |            |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 POND PROJECT No. 1180426 Fax: 678.336.7744

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
 SIGNING AND MARKING PLAN AND DETAILS

SHEET IDENTIFICATION NUMBER  
**26-006**



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |

|                  |                 |                      |
|------------------|-----------------|----------------------|
| DESIGNED BY: RBJ | DATE:           | SOLICITATION NO.:    |
| DRAWN BY: SPT    | CRD BY: MAM     | CONTRACT NO.:        |
| SUBMITTED BY:    | FILE NAME:      | FILE NUMBER:         |
|                  | 26-001.DWG      | 11112020             |
|                  | SIZE: 22" x 34" | PLOT SCALE: 1" = 11' |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 3000 Parkway Lane  
 Clarkston, GA 30009  
 Phone 678.398.7740  
 Fax 678.398.7744

POND PROJECT No. 1180426

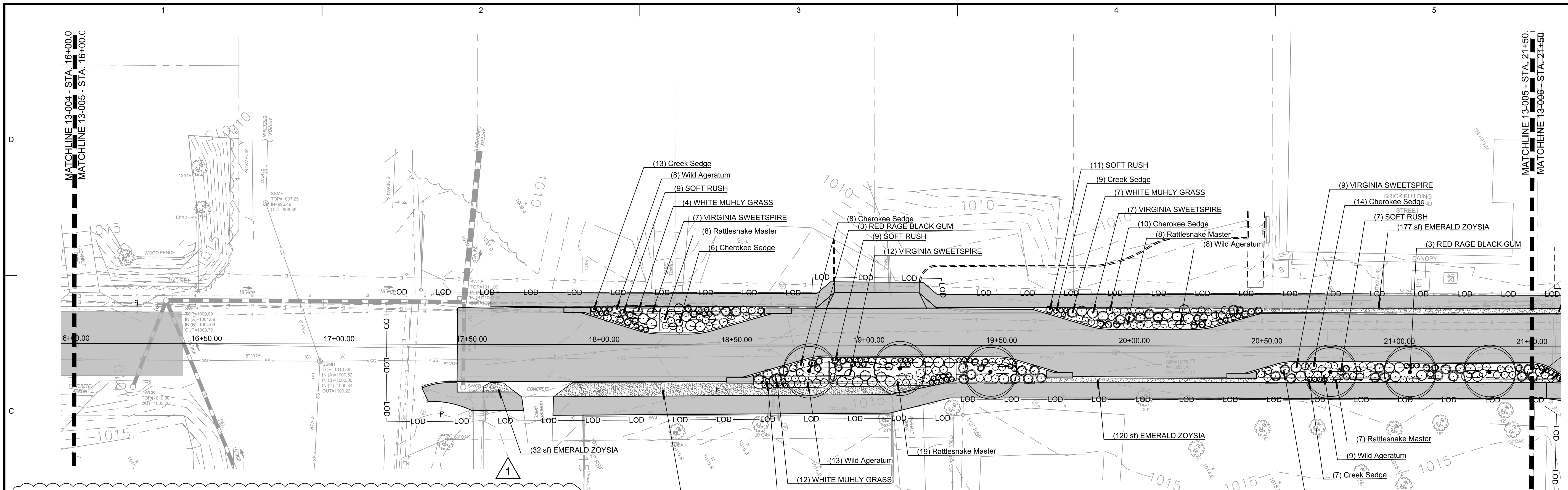
**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

SIGNING AND MARKING PLAN AND  
 DETAILS

SHEET  
 IDENTIFICATION  
 NUMBER  
**26-007**

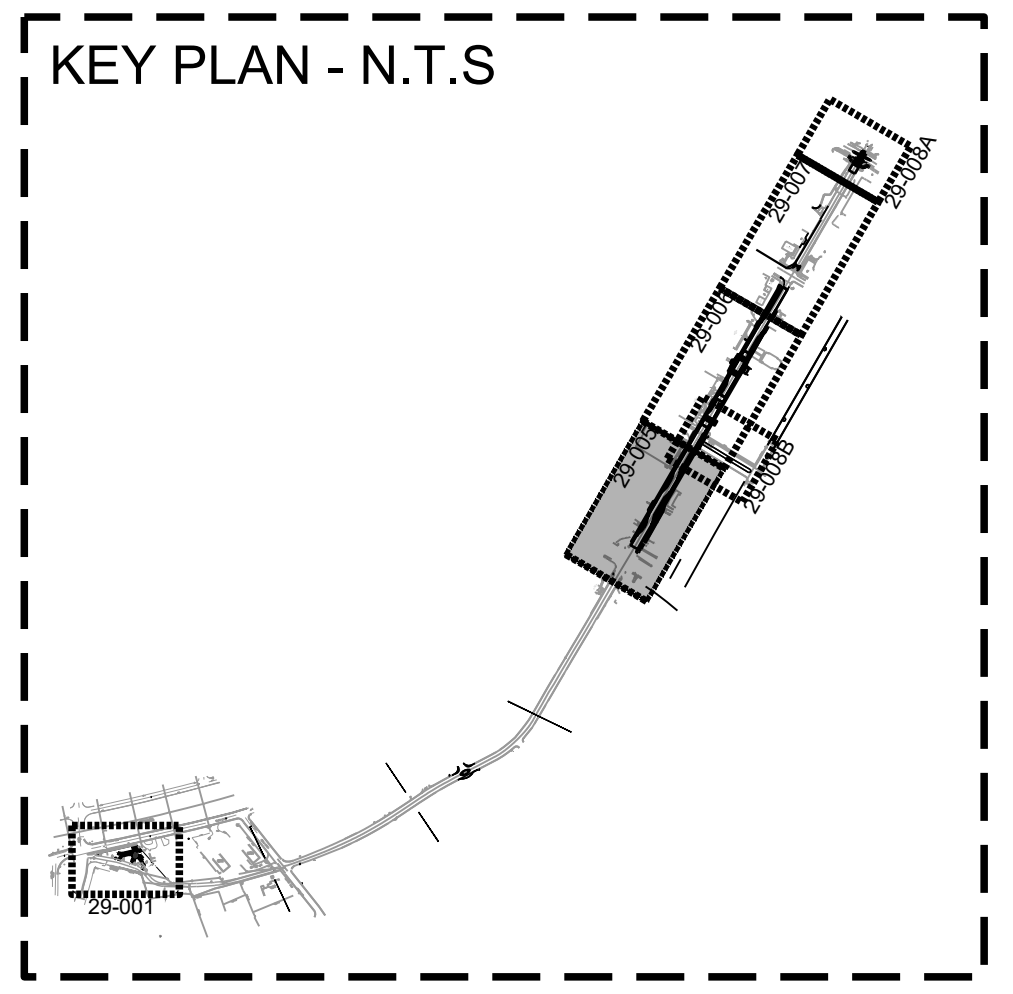
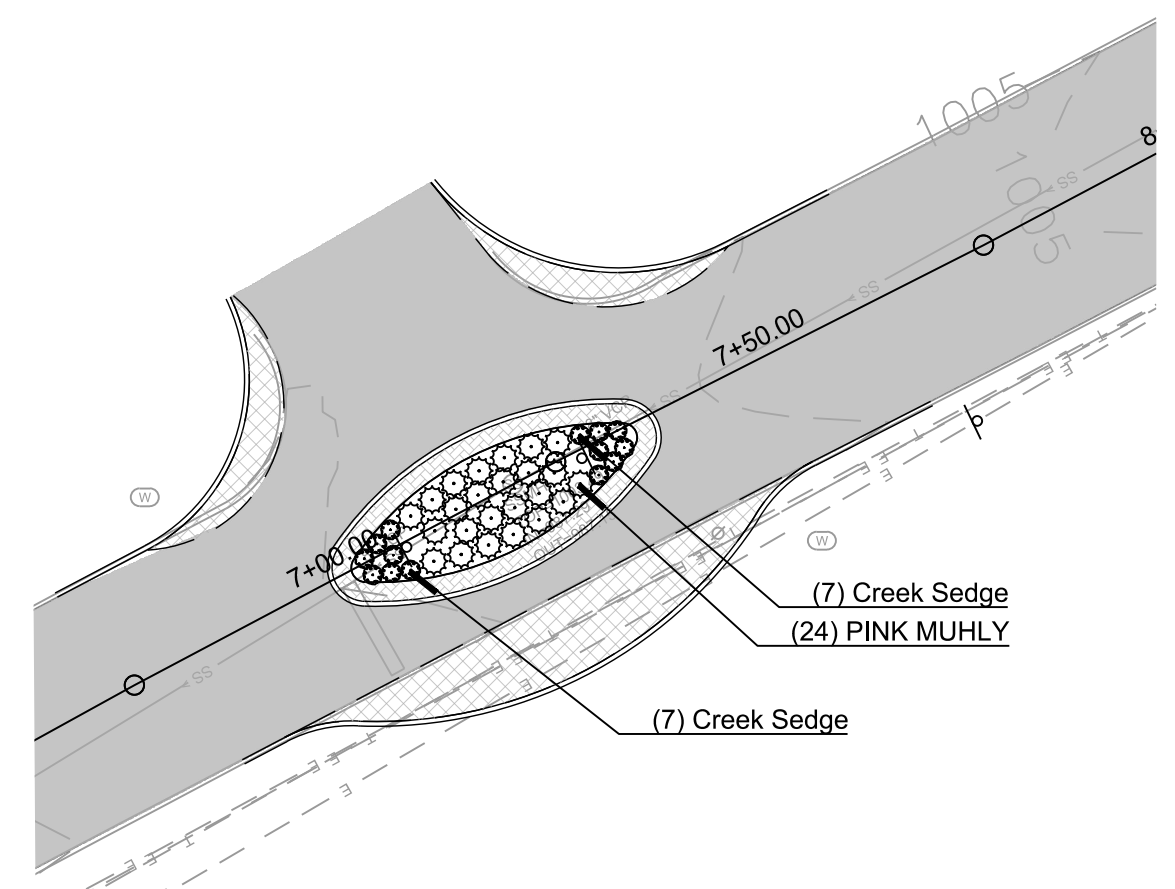








**PLANT SCHEDULE: ROWLAND ST, HILL ST, ROGERS ST**

| TREES         | COMMON / BOTANICAL NAME                                   | CONT        |          |
|---------------|---|-------------|----------|
| 1             | EASTERN REDBUD / CERCIS CANADENSIS 'APPALACHIAN RED'      | 3" CAL. B&B |          |
| 2             | CRAPE MYRTLE / LAGERSTROEMIA X 'BILOXI'                   | 3" CAL. B&B |          |
| 9             | RED RAGE BLACK GUM / NYSSA SYLVATICA 'RED RAGE' TM        | 3" CAL. B&B |          |
| 6             | HIGHBEAM OVERCUP OAK / QUERCUS LYRATA 'QLFTB' TM          | 5" CAL. B&B |          |
| SHRUBS        | COMMON / BOTANICAL NAME                                   | CONT        | SPACING  |
| 62            | WILD AGERATUM / CONOCLINIUM COELESTINUM                   | 1G          | 36" o.c. |
| 86            | RATTLESNAKE MASTER / ERYNGIUM YUCCIFOLIUM                 | 1G          | 30" o.c. |
| 48            | VIRGINIA SWEETSPIRE / ITEA VIRGINICA 'LITTLE HENRY' TM    | 3G          | 48" o.c. |
| GRASSES       | COMMON / BOTANICAL NAME                                   | CONT        | SPACING  |
| 181           | CREEK SEDGE / CAREX AMPHIBOLA                             | 1G          | 24" o.c. |
| 66            | CHEROKEE SEDGE / CAREX CHEROKEENSIS                       | 3G          | 36" o.c. |
| 57            | SOFT RUSH / JUNCUS EFFUSUS                                | 3G          | 36" o.c. |
| 44            | PINK MUHLY / MUHLENBERGIA CAPILLARIS                      | 3G          | 36" o.c. |
| 82            | WHITE MUHLY GRASS / MUHLENBERGIA CAPILLARIS 'WHITE CLOUD' | 3G          | 48" o.c. |
| GROUND COVERS | COMMON / BOTANICAL NAME                                   | CONT        | SPACING  |
| 243           | MILKWEEED / ASCLEPIAS TUBEROSA 'HELLO YELLOW'             | 4" POT      | 18" o.c. |
| SOD/SEEDING   | COMMON / BOTANICAL NAME                                   | CONT        | SPACING  |
| 9,259 SF      | EMERALD ZOYSIA / ZOYSIA JAPONICA 'EMERALD'                | SOD         |          |





**CITY OF CLARKSTON**  
www.clarkston.ga.gov



| ADDENDUM | DATE       | DESCRIPTION | MARK | APPR. |
|----------|------------|-------------|------|-------|
| 1        | 11.11.2020 |             |      |       |

DESIGNED BY: RBJ  
XXX

DRAWN BY: ASKT  
XXX

SUBMITTED BY: RBJ

FILE NAME: 29-001.dwg

SIZE: 22" x 34"

DATE: 11/11/2020

SOLICITATION NO.: XXX

CONTRACT NO.:

FILE NUMBER:

PLOT DATE: 11/11/2020

PLOT SCALE: 1" = 20'

**CITY OF CLARKSTON**

SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

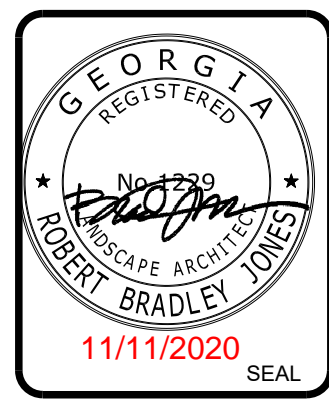
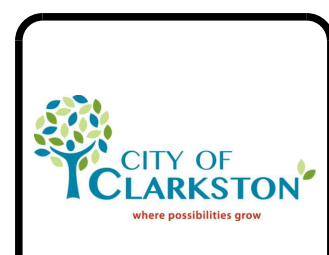
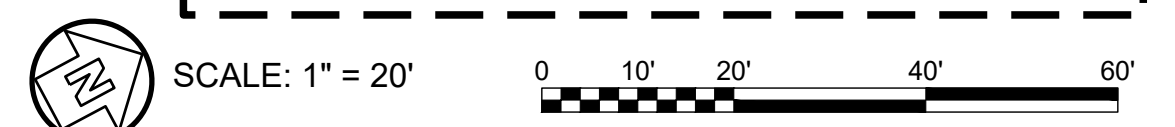
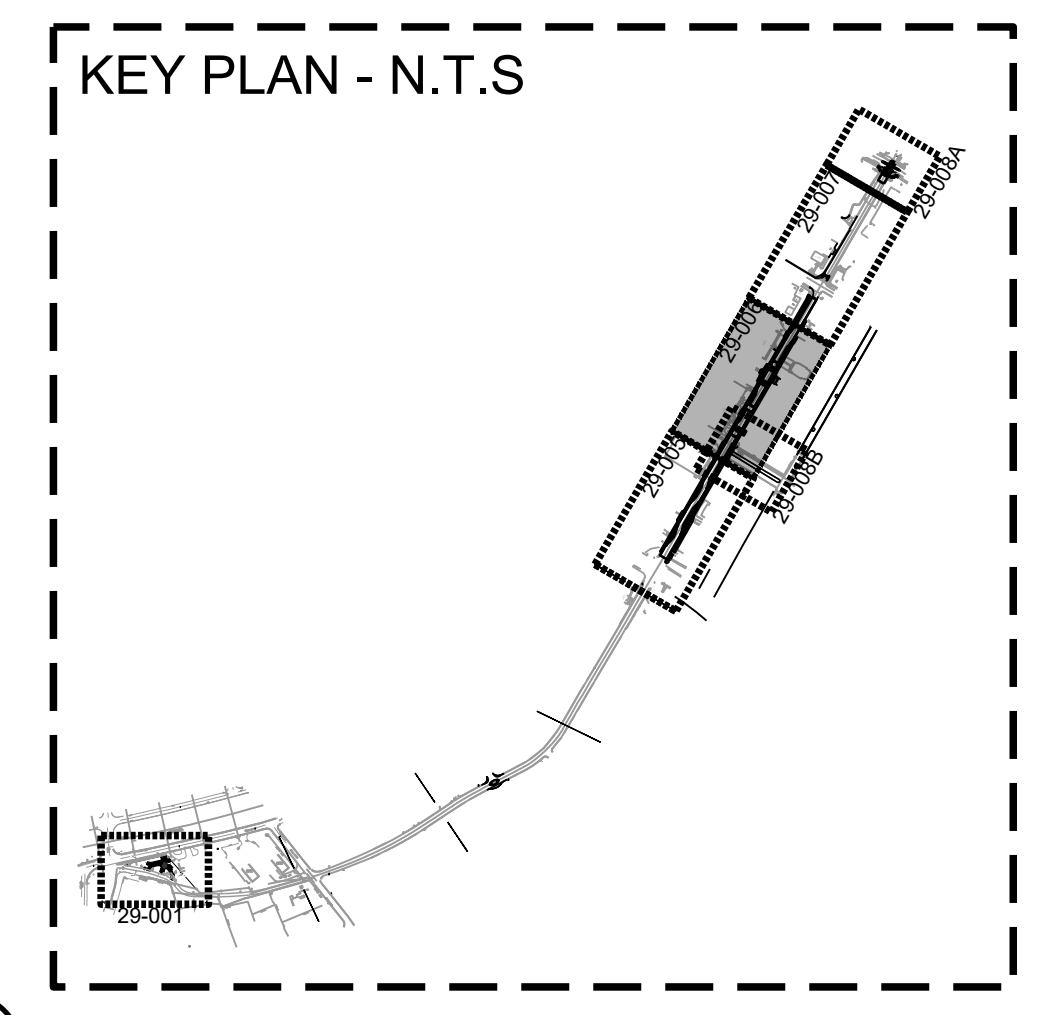
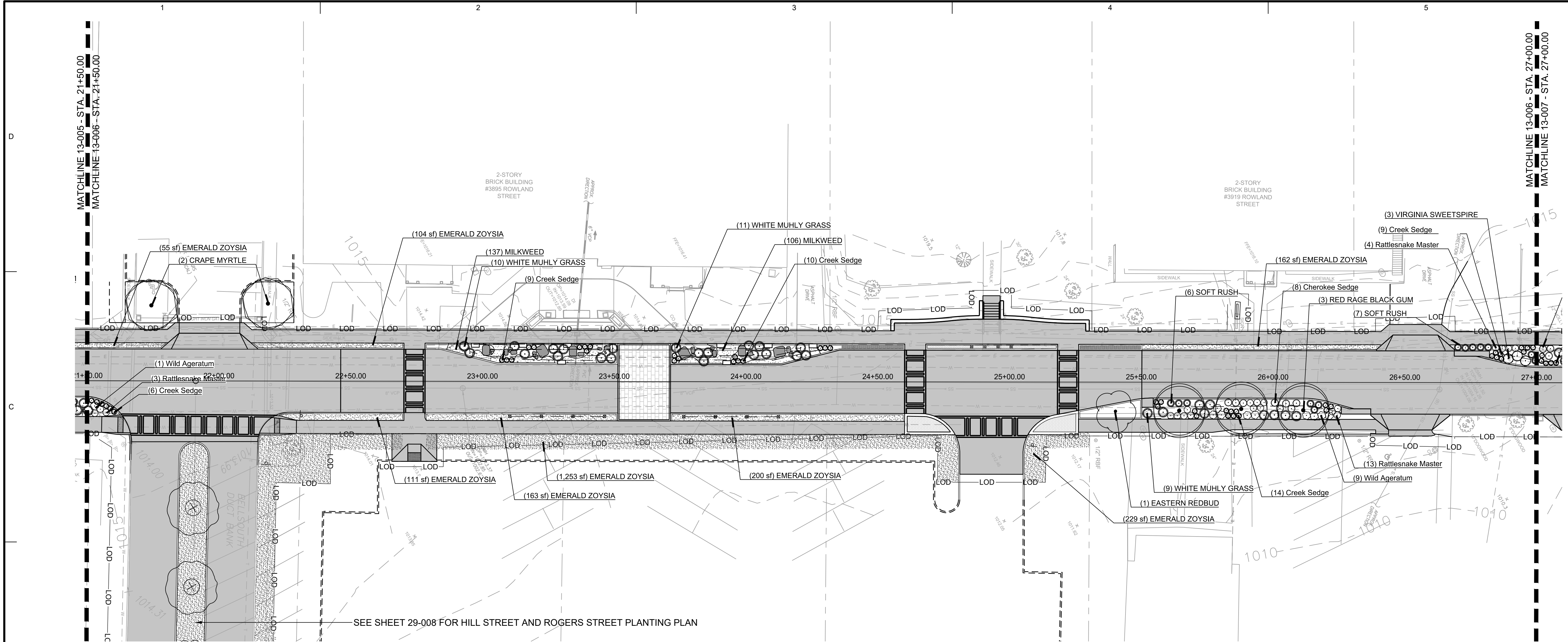
**POND**

POND PROJECT No. 1180426 Fax: 678.387.7744

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

LANDSCAPE PLANS

SHEET IDENTIFICATION NUMBER  
**29-005**



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |

|                  |              |                   |               |                 |                  |
|------------------|--------------|-------------------|---------------|-----------------|------------------|
| DESIGNED BY: RBJ | DATE:        | SOLICITATION NO.: | CONTRACT NO.: | FILE NUMBER:    | PILOT DATE:      |
| DWN BY: ASKT     | CHK BY: XRWV |                   |               | 29-001 DWG      | 11/11/2020       |
| SUBMITTED BY:    |              |                   |               | SIZE: 22" x 34" | PILOT SCALE: 1:1 |

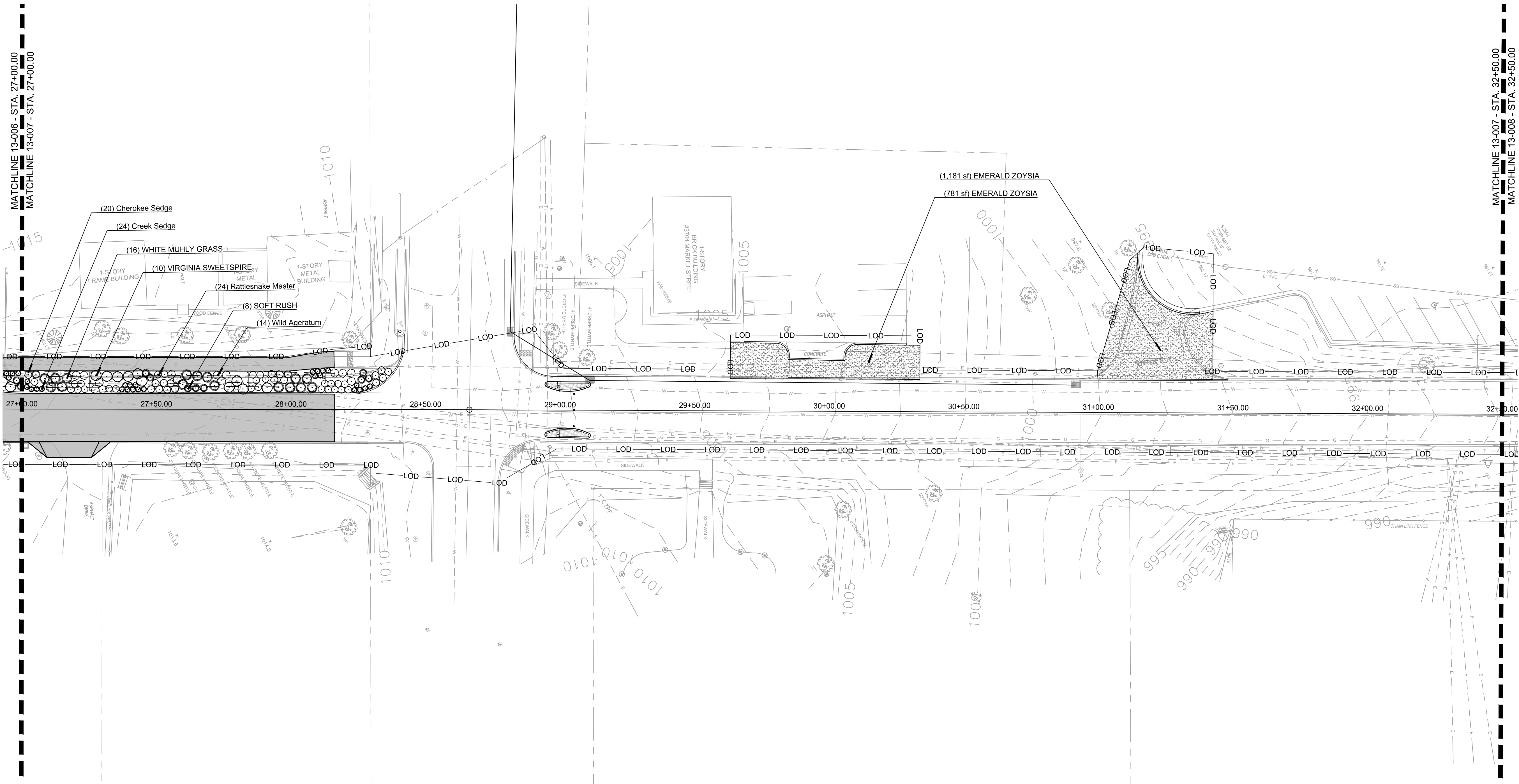
CITY OF CLARKSTON  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
POND PROJECT No. 1180426 Fax: 678.336.7744

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

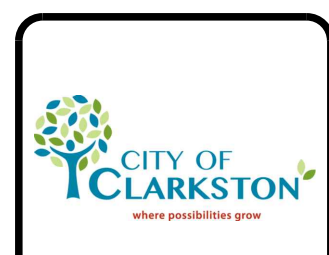
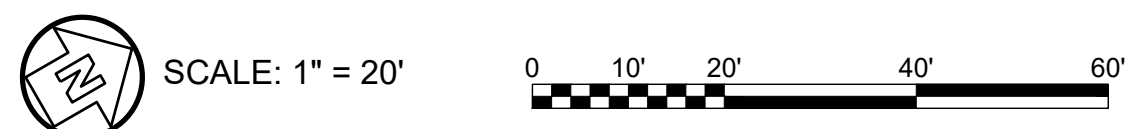
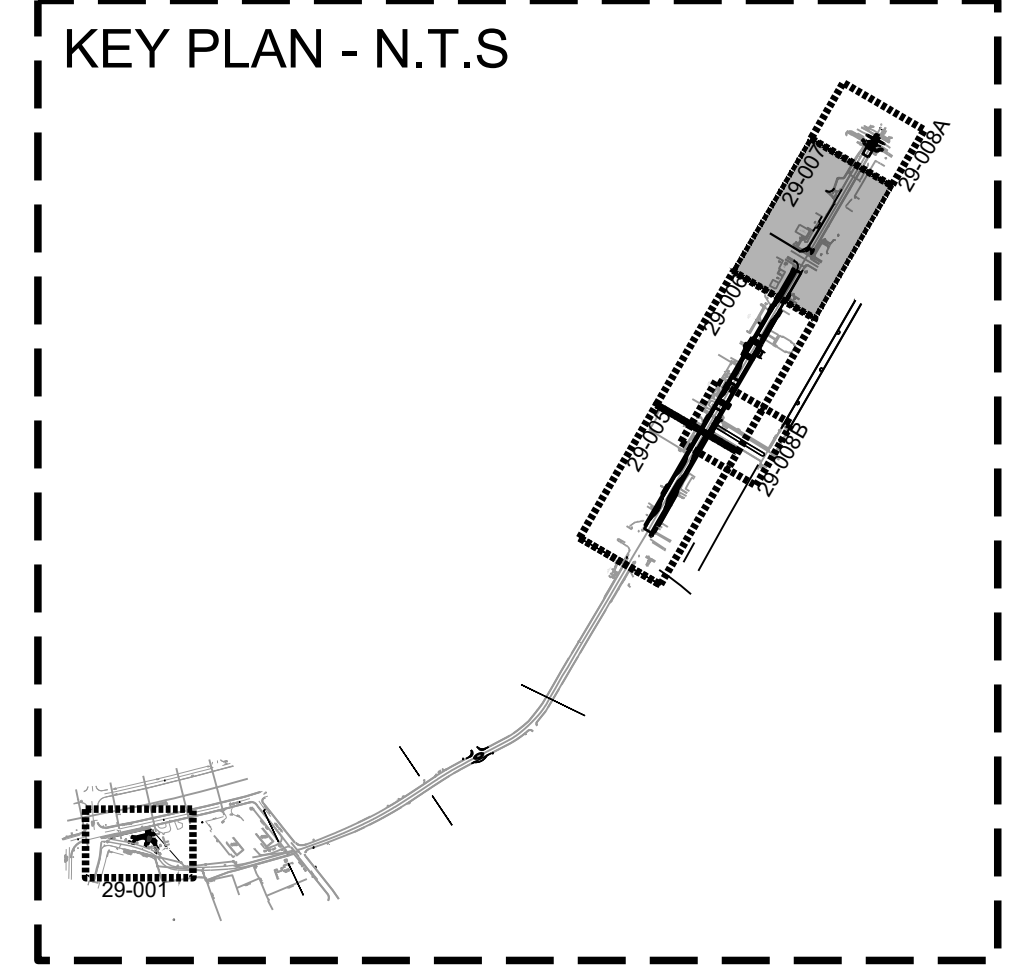
LANDSCAPE PLANS

SHEET IDENTIFICATION NUMBER  
**29-006**



MATCHLINE 13-006 - STA. 27+00.00  
 MATCHLINE 13-007 - STA. 27+00.00

MATCHLINE 13-007 - STA. 32+50.00  
 MATCHLINE 13-008 - STA. 32+50.00



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | ADDENDUM 1  | 11.11.2020 |       |

|                           |                       |
|---------------------------|-----------------------|
| DESIGNED BY: RBJ<br>XXX   | DATE: 11.11.2020      |
| DRAWN BY: ASK             | SOLICITATION NO.:     |
| SUBMITTED BY: 29-001 (AW) | CONTRACT NO.:         |
| FILE NAME: 29-001 (AW)    | FILE NUMBER:          |
| SIZE: 22" x 34"           | PLOT SCALE: 1" = 11'  |
|                           | PLOT DATE: 11/11/2020 |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 POND PROJECT No. 1180426 Fax: 678.387.7744

SHEET IDENTIFICATION NUMBER  
**29-007**

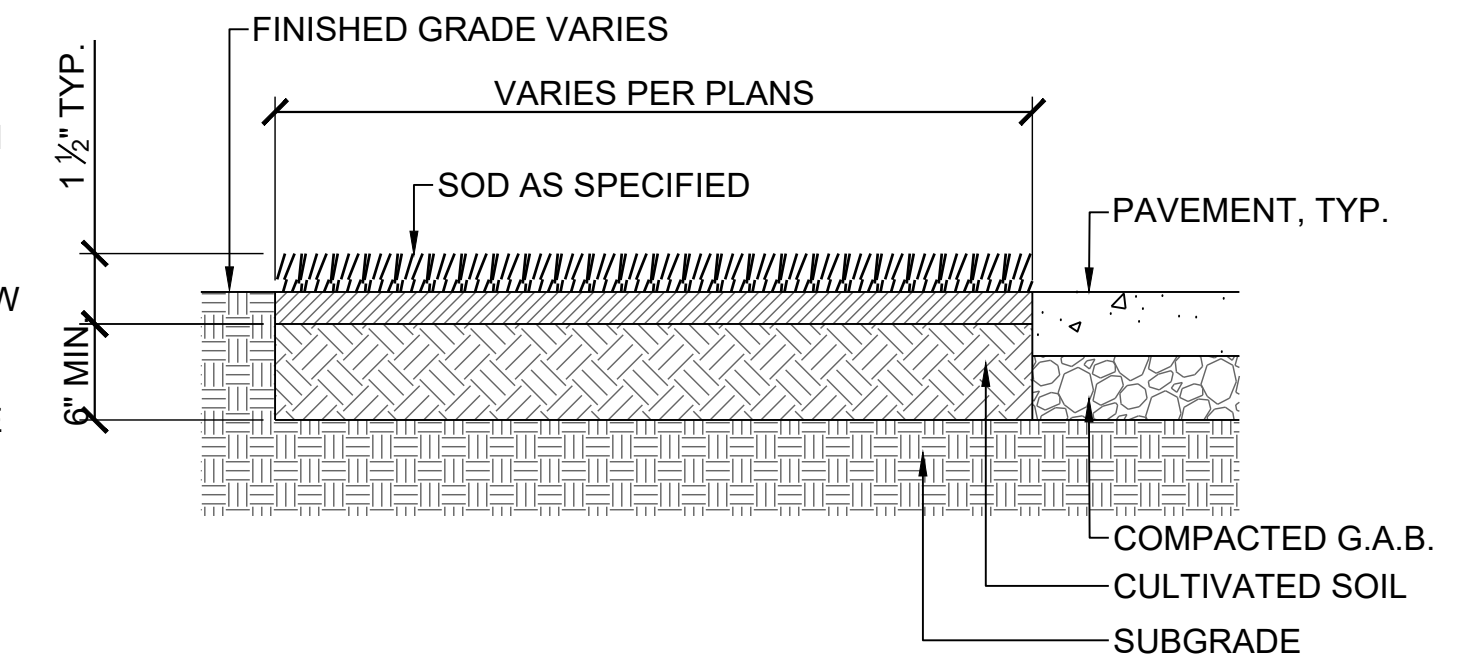


**GENERAL TREE PLANTING NOTES:**

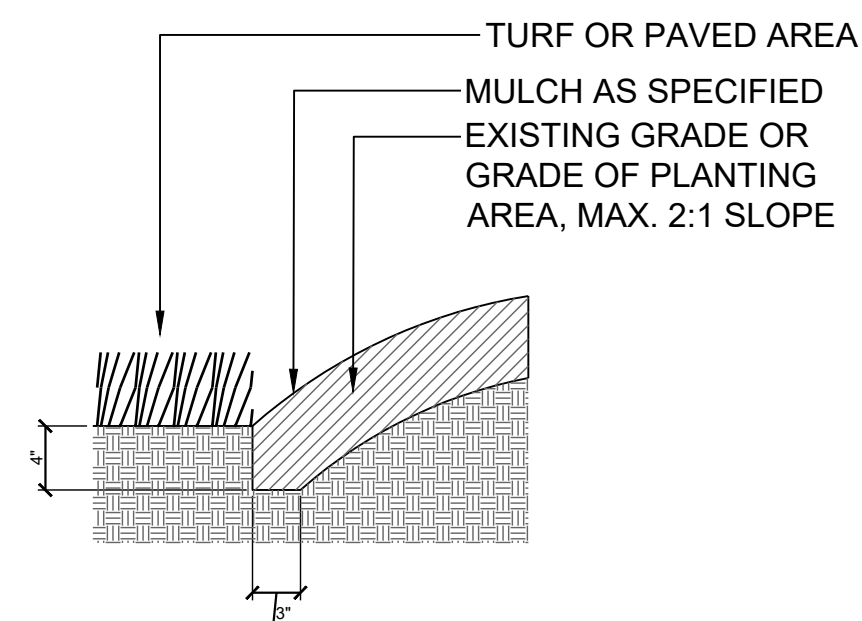
- 1) WHEN THE TREE IS MOVED, THE ROOTBALL SHOULD ALWAYS BE SUPPORTED. TREES SHOULD NEVER BE HANDLED BY THE TRUNK.
- 2) SET TOP OF ROOT BALL A MINIMUM OF 2" ABOVE ADJACENT FINISH GRADE AND MOUND BACKFILL FLUSH WITH TOP OF ROOT BALL.
- 3) CUT AND BEND BACK TOP AND SIDES OF WIRE BASKET TO A MINIMUM OF 12" BELOW THE TOP OF THE ROOT BALL BEFORE FINAL BACKFILLING OF ROOT BALL.
- 4) CUT AND REMOVE BURLAP AND TWINE FROM TOP HALF OF BALL AFTER THE BALL HAS BEEN BACKFILLED.
- 5) REMOVE EXCESS SUBSTRATE/SOIL AND SURFACE ROOTS TO EXPOSE ROOT COLLAR. REMOVE CIRCLING STRUCTURAL ROOTS INTERFERING WITH ROOT COLLAR.
- 6) SCARIFY ROOT BALL ON ALL SIDES TO ENCOURAGE FEEDER ROOT GROWTH.
- 7) WATERING BAGS ARE RECOMMENDED FOR NEWLY PLANTED TREES IF SITE IS NOT IRRIGATED.
- 8) CONFIRM GOOD CENTRAL LEADER; CORRECT CROWN BY PRUNING IF DETERMINED NECESSARY. REMOVE ANY DEAD BRANCHES AND TRIM BROKEN OR CROSSED BRANCHES. NEVER LEAVE V CROTCHES OR DOUBLE LEADERS.

**SODDING PROCEDURE:**

1. THE GENERAL CONTRACTOR WILL PROVIDE GRADES TO +/- TWO TENTHS (0.20) OF A FOOT OF PROPOSED GRADES.
2. INSTALL SOD SO THAT TOP OF SOIL AND ROOT LAYER IS LEVEL WITH TOP OF ANY ADJACENT PAVEMENT.
3. REFER TO DRAWINGS AND SPECIFICATIONS FOR ANY SPECIAL SUBSOILING REQUIREMENTS. AT A MINIMUM, BREAK THROUGH AND REMOVE ALL SUBGRADE SURFACE 'HARDPAN' AND DEBRIS TO ALLOW PERCOLATION AND POSITIVE DRAINAGE.
4. ADD ADDITIVES, SUCH AS TOPSOIL, SAND OR COMPOST (PER SOIL TEST ANALYSIS) AND ROTOTILL INTO SUBGRADE. CULTIVATE ENTIRE AREA TO A MINIMUM DEPTH OF 6". HANDRAKE SMOOTH.
5. WATER AREA TO BE SODDED PRIOR TO LAYING SOD.
6. LAY & ROLL SOD. WATER THOROUGHLY.



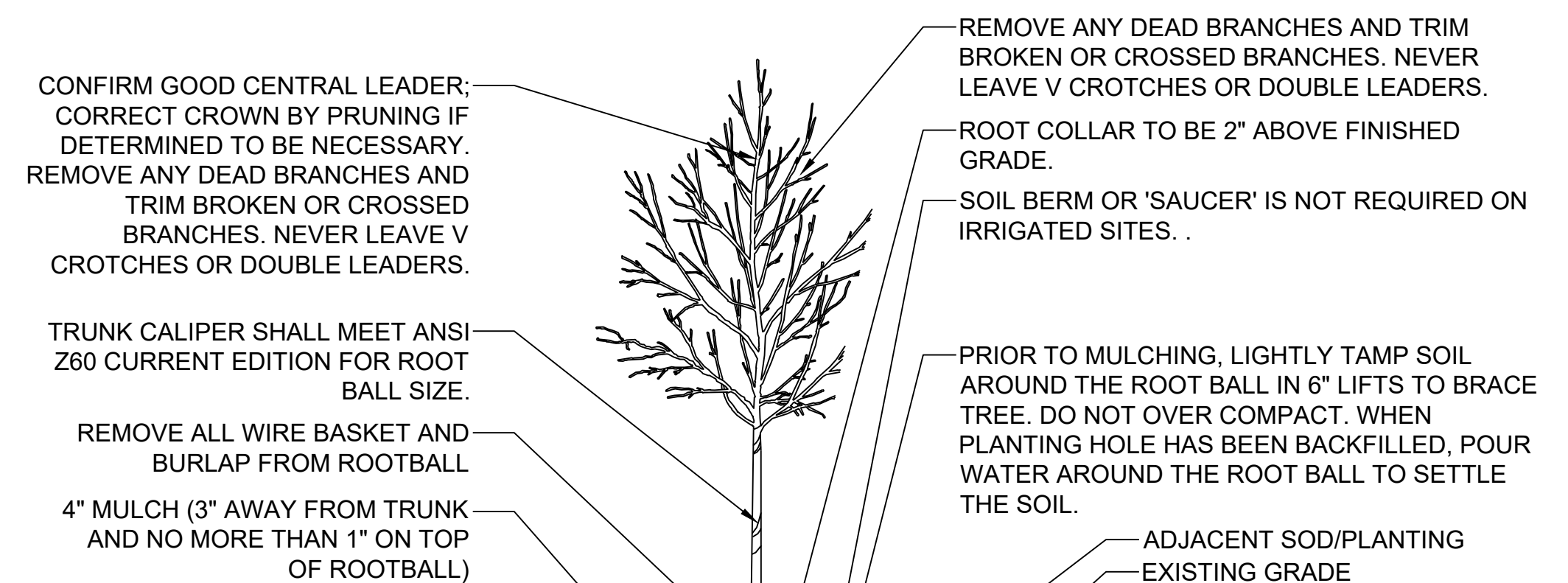
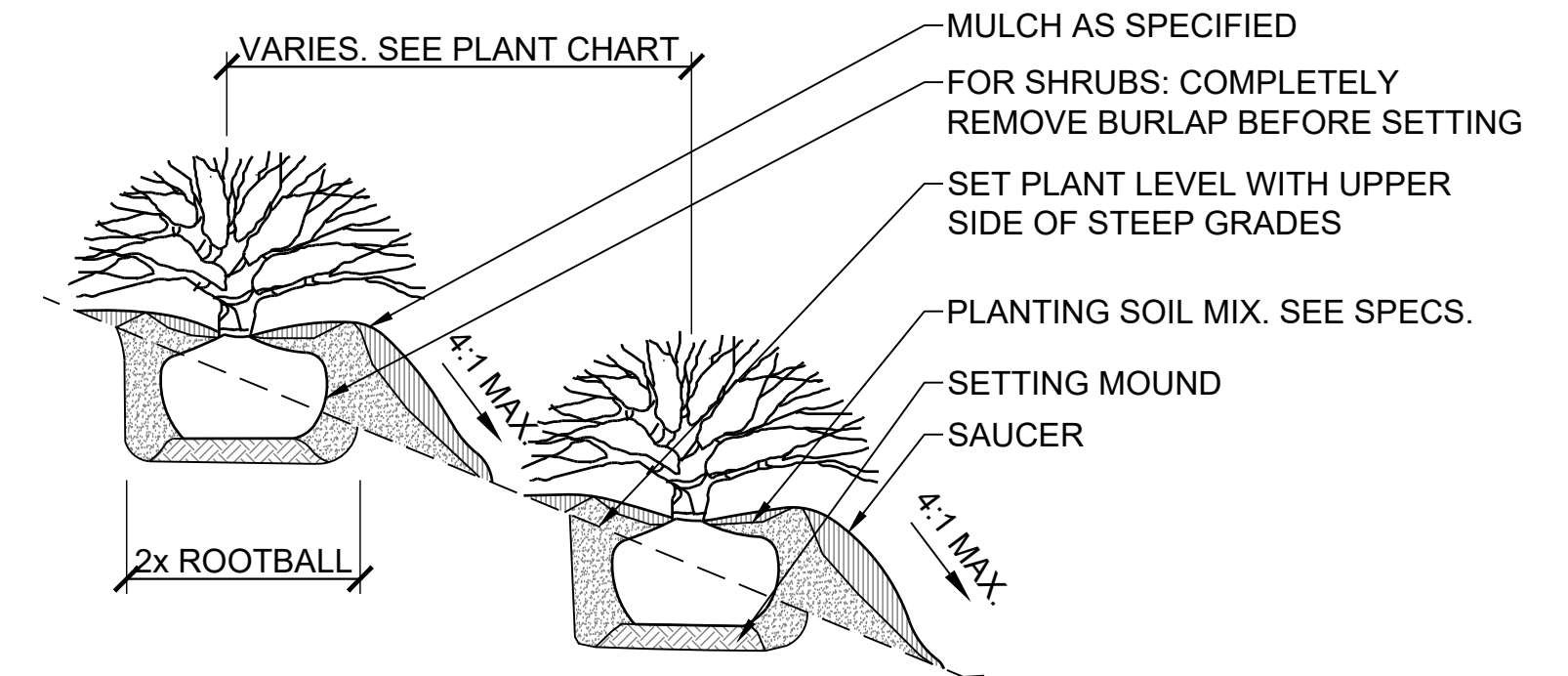
**D4 SODDING DETAIL**  
SCALE: NTS



- NOTE:**
1. TRENCH EDGE DETAIL SHALL BE USED AT ALL LAWN EDGES & AT EDGES OF MULCHED AREAS (FOR CONTAINMENT).
  2. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN AREAS; & SHALL CREATE SMOOTH & EVEN LINES (AS INDICATED ON THE PLANS).

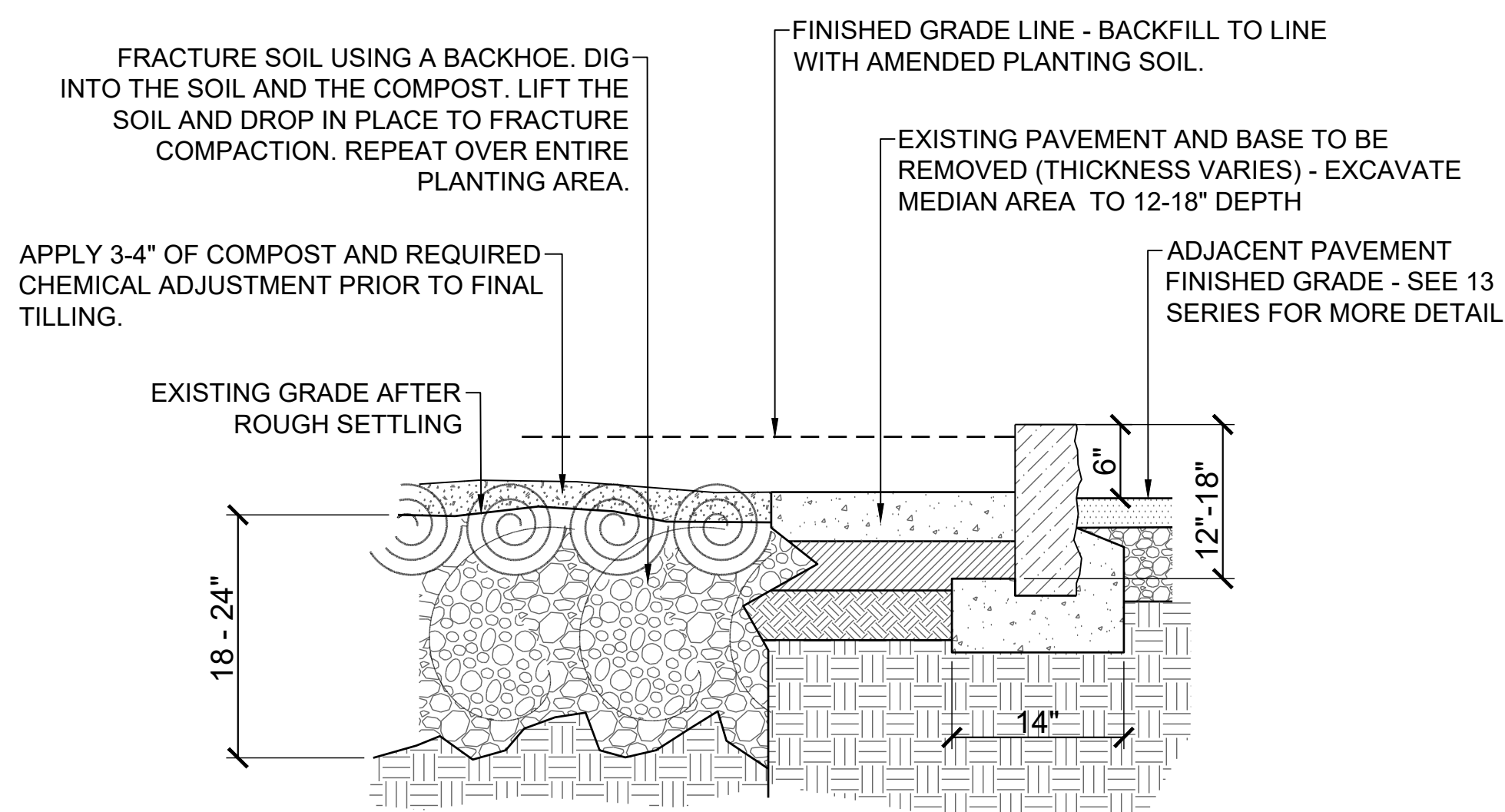
**C3 EDGING DETAIL**  
SCALE: NTS

**C4 SHRUB/GROUNDCOVER PLANTING ON SLOPE**  
SCALE: NTS



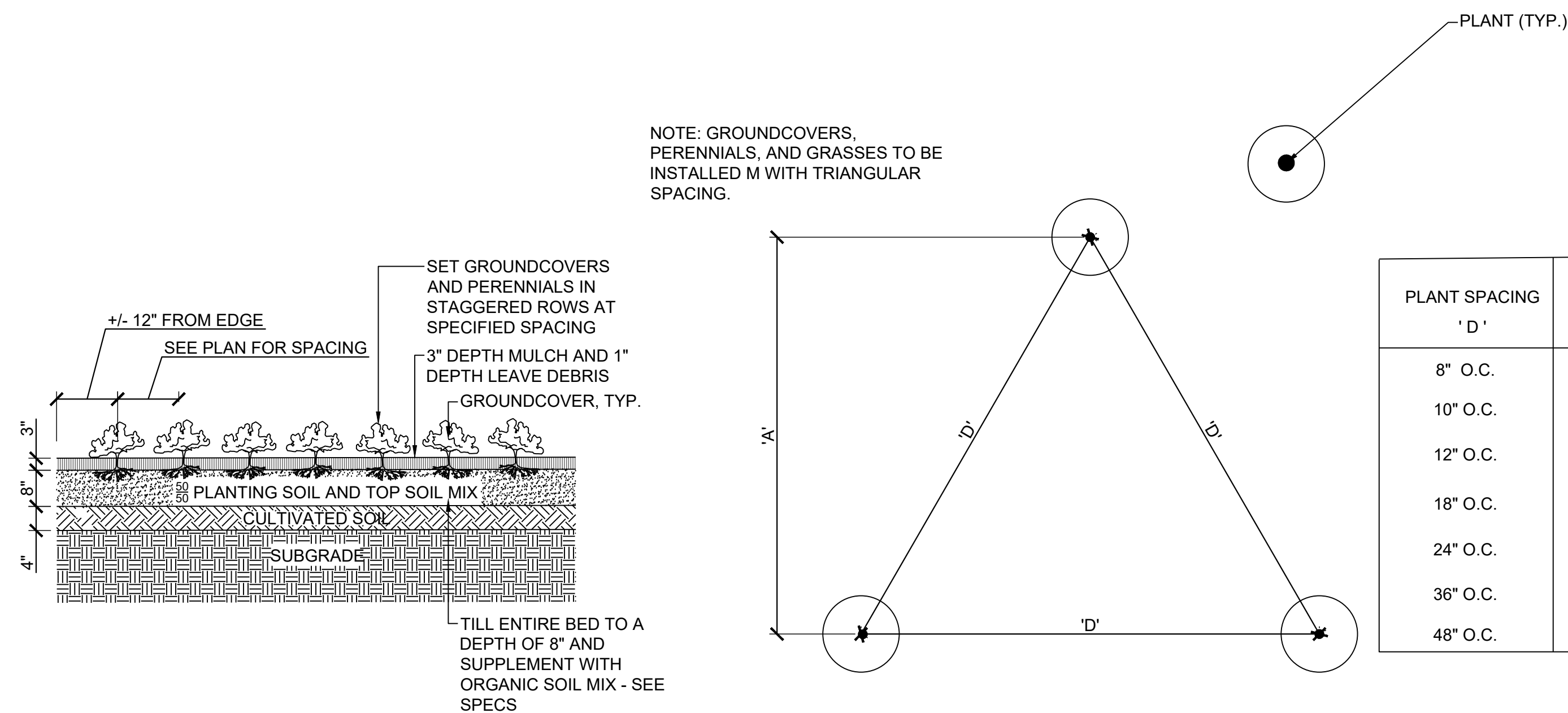
- NOTES:**
- 1) WHEN THE TREE IS MOVED, THE ROOTBALL SHOULD ALWAYS BE SUPPORTED. TREES SHOULD NEVER BE HANDLED BY THE TRUNK.
  - 2) SET TOP OF ROOT BALL AT ADJACENT FINISH GRADE AND MOUND BACKFILL TO A 4" BERM AROUND ROOTBALL PERIPHERY.
  - 3) REMOVE ALL STRAPS AND NON-BIODEGRADABLE MATERIAL; CUT AND BEND BACK TOP AND SIDES OF WIRE BASKET TO A MINIMUM OF 12" BELOW THE TOP OF THE ROOT BALL BEFORE FINAL BACKFILLING OF ROOT BALL.
  - 4) CUT AND REMOVE BURLAP AND TWINE FROM TOP HALF OF BALL AFTER THE BALL HAS BEEN BACKFILLED.
  - 5) IF TREE IS TO BE PLANTED IN AN AREA OF MODIFIED OR POORLY DRAINED SOIL, REFER TO DETAILS FOR THAT SPECIFIC CONDITION. IF SUCH CONDITIONS ARE NOTED IN THE FIELD NOTIFY DESIGN PROFESSIONAL BEFORE PLANTING.

**A4 BALLED AND BURLAPPED TREE PLANTING DETAIL**  
SCALE: NTS



- NOTES:**
1. BEFORE STARTING SOIL FRACTURING, APPLY 2-3" OF COMPOST OVER EXISTING GRADE
  1. FOR PLANTING AREAS NARROWER THAN 8" REDUCE THE DISTANCE BETWEEN PAVING AND SOIL FRACTURING FROM 2' TO 1'.
  2. LANDSCAPE BACKFILL TO BE 80% TOPSOIL INCORPORATED WITH 20% CLM BY ITS AULNATURAL OR A MIX OF SAND AND COMPOST. PROVIDE SAMPLE FOR APPROVAL.

**B1 LANDSCAPE BACKFILL OVER EXISTING PAVEMENT**  
SCALE: NTS



| PLANT SPACING 'D' | ROW 'A'    |
|-------------------|------------|
| 8" O.C.           | 7.00' O.C. |
| 10" O.C.          | 8.5" O.C.  |
| 12" O.C.          | 10.5" O.C. |
| 18" O.C.          | 15.5" O.C. |
| 24" O.C.          | 21.0" O.C. |
| 36" O.C.          | 30.0" O.C. |
| 48" O.C.          | 31.5" O.C. |

**A1 GROUND COVER/PERENNIAL PLANTING DETAIL**  
SCALE: NTS

FILE PATH: \\PCSERVER\RESOURCES\PROJECTS\191190154\04\_CAD\_BIM\04.02\_CADROWLAND\_TRAILHEAD\20-001.DWG PLOTTED BY: THOMPSON, SYDNEY

|                  |                          |                   |
|------------------|--------------------------|-------------------|
| 11.11.2020       | DATE                     | APPR.             |
| ADDENDUM 1       | MARK                     | DESCRIPTION       |
| DESIGNED BY: RBJ | DATE:                    | SOLICITATION NO.: |
| DWN BY: MAM      | CONTRACT NO.:            | FILE NUMBER:      |
| SPT              | 20-001                   | 20-001            |
| SUBMITTED BY:    | FILE NAME:               | 20-001.DWG        |
|                  | 3000 Parkway Lane        | GA                |
|                  | Clarkston, GA 30026      | 30026             |
|                  | Phone 678.338.7740       | 30026             |
|                  | Fax 678.338.7744         | 30026             |
|                  | POND PROJECT No. 1180426 | 1180426           |
|                  | PLOT SCALE:              | 22" x 34" 1:1     |
|                  | PLOT DATE:               | 11/11/2020        |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

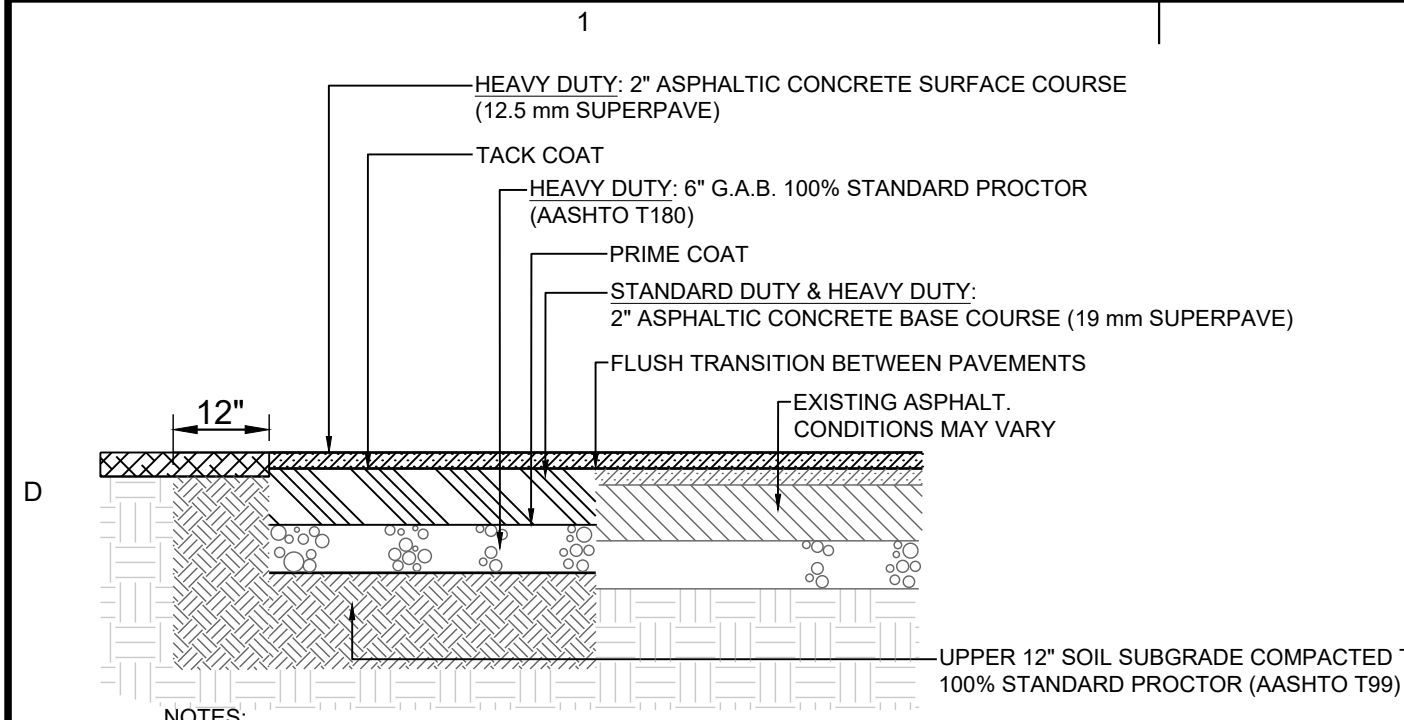
**POND**  
LANDSCAPE DETAILS

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

SHEET IDENTIFICATION NUMBER  
**29-009**

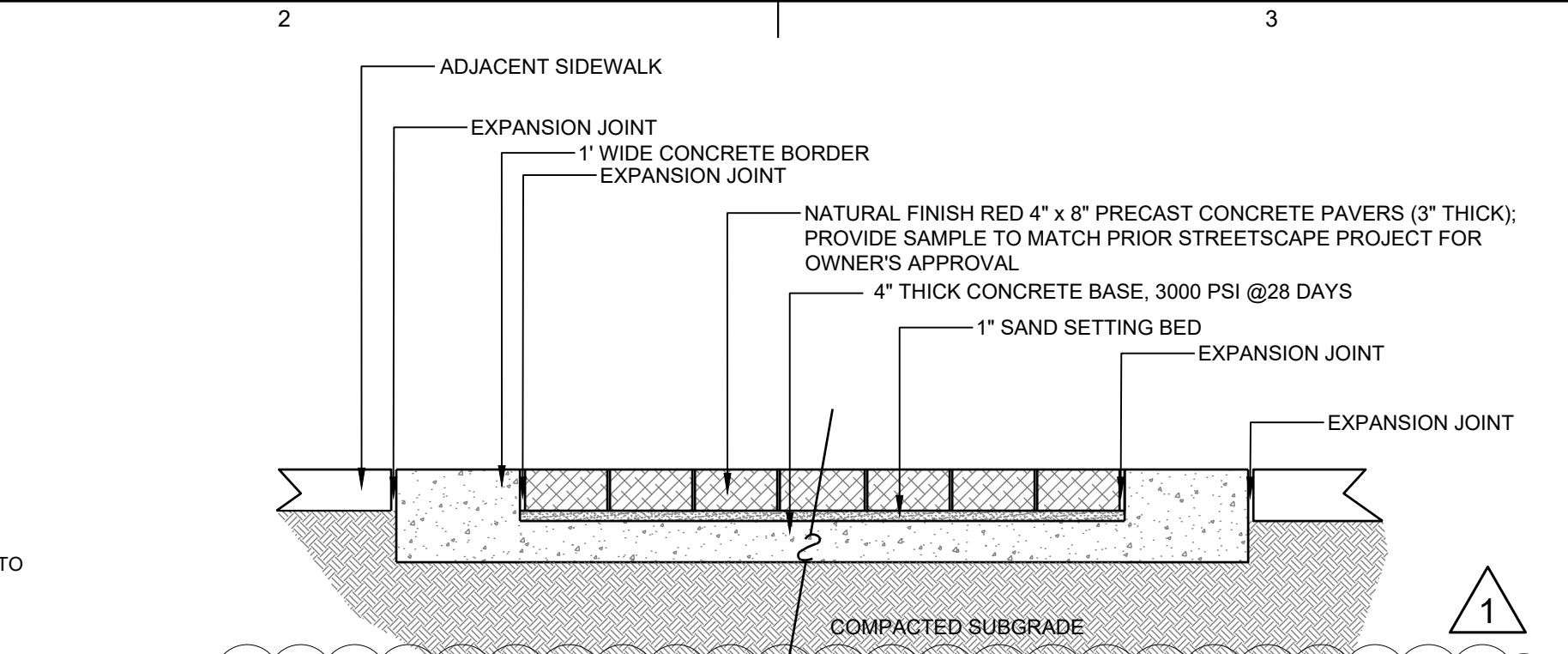
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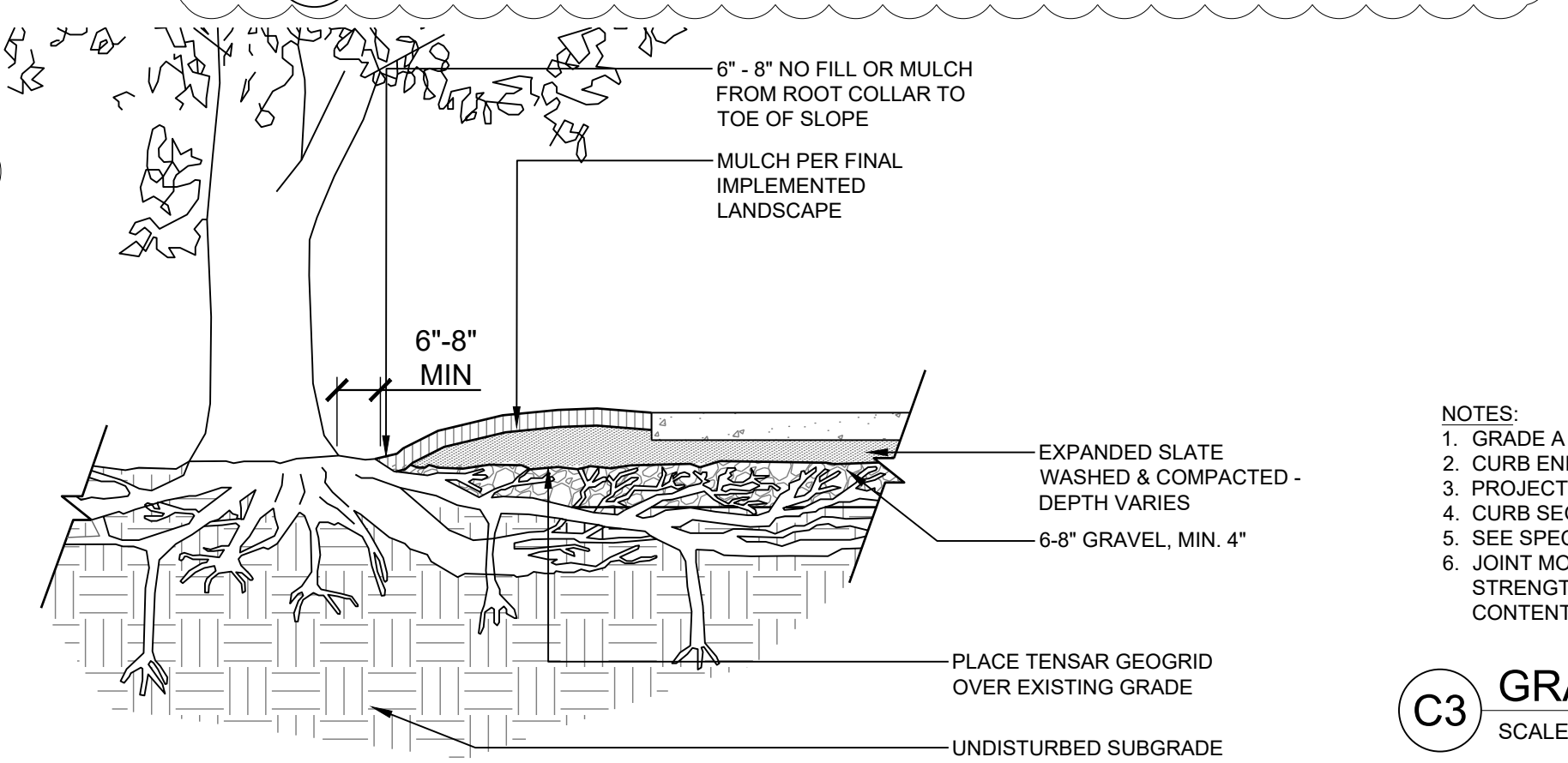


- NOTES:**
1. COMPACTION AND SUBBASE DEPTH TO BE VERIFIED AND APPROVED BY GEOTECHNICAL CONSULTANT, OWNER'S REPRESENTATIVE, AND DESIGN PROFESSIONAL PRIOR TO GAB PLACEMENT.
  2. FOR BID PURPOSES ASSUME INSTALLATION ON COMPACTED 6\"/>

**C1 ASPHALT OVERLAY AND WIDEN**  
SCALE: NTS

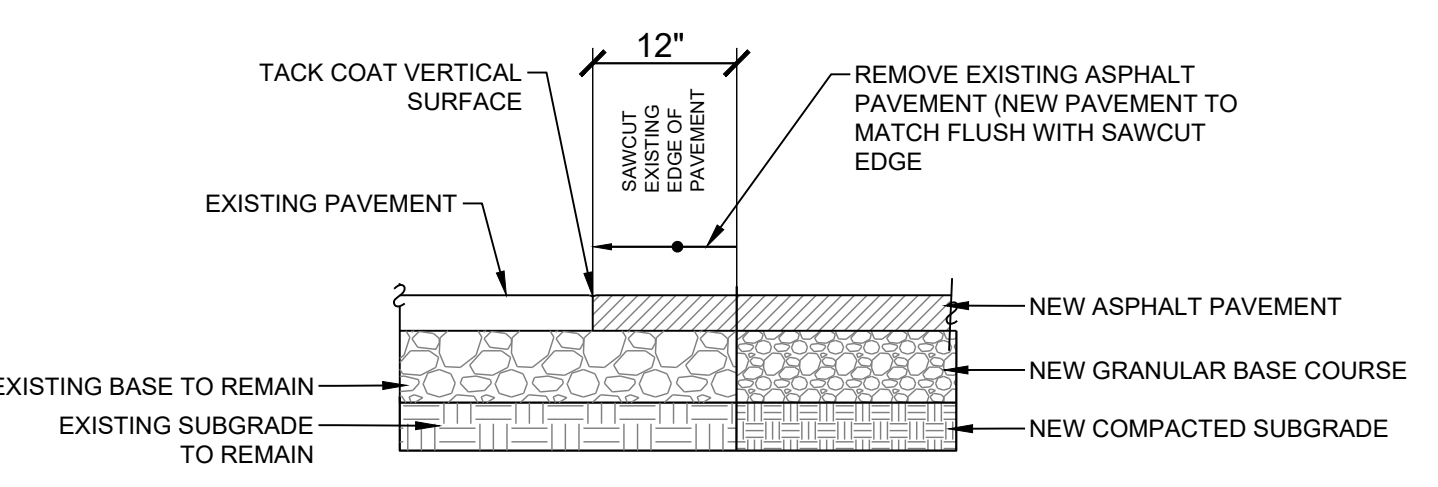


**D2 CONCRETE PAVERS**  
SCALE: NTS

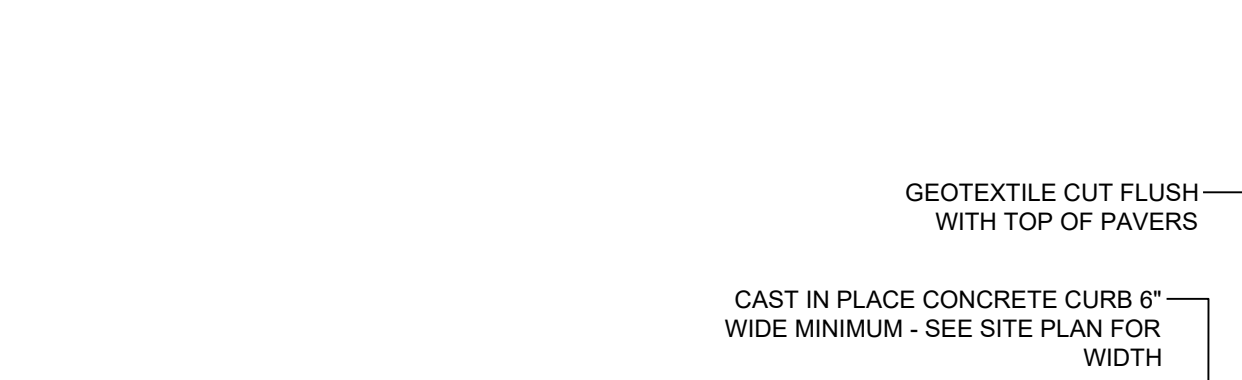


- NOTES:**
1. NO COMPACTION OF EXISTING GRADE SHALL OCCUR WITHIN THE CRZ OF TREES BEING PRESERVED.
  2. SOIL CUTS AND/OR ROOTS DISTURBANCE SHALL ONLY OCCUR UNDER THE DIRECT SUPERVISION OF THE PROJECT ARBORIST.
  3. IF EXISTING GRADE IS GREATER THAN 5% SLOPE, LOW RETAINING WALL MAY BE NECESSARY REQUIRED TO HOLD MATERIAL IN PLACE.

**C2 ROOT BRIDGING**  
SCALE: NTS



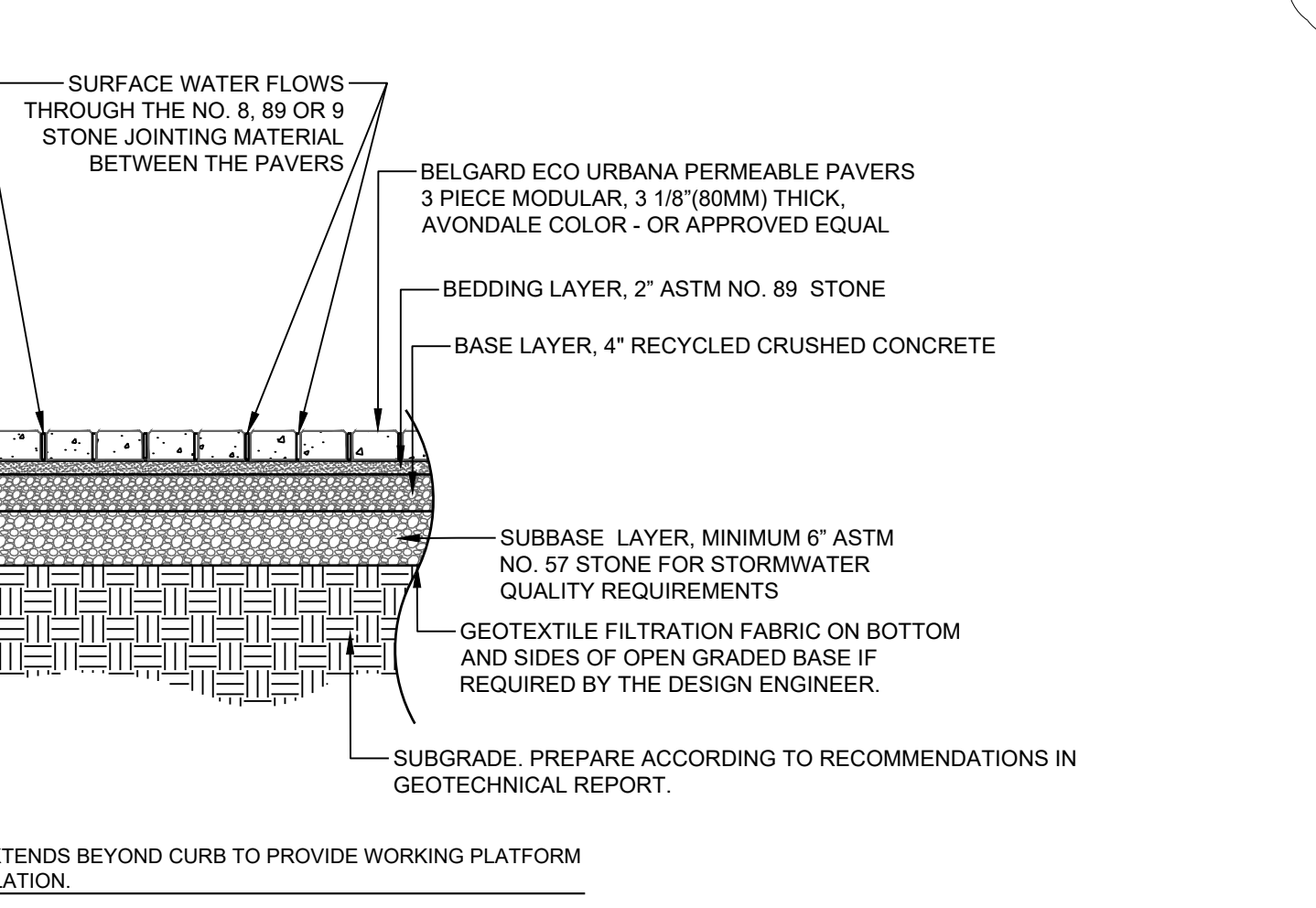
**B1 ASPHALT MILLING AND OVERLAY**  
SCALE: NTS



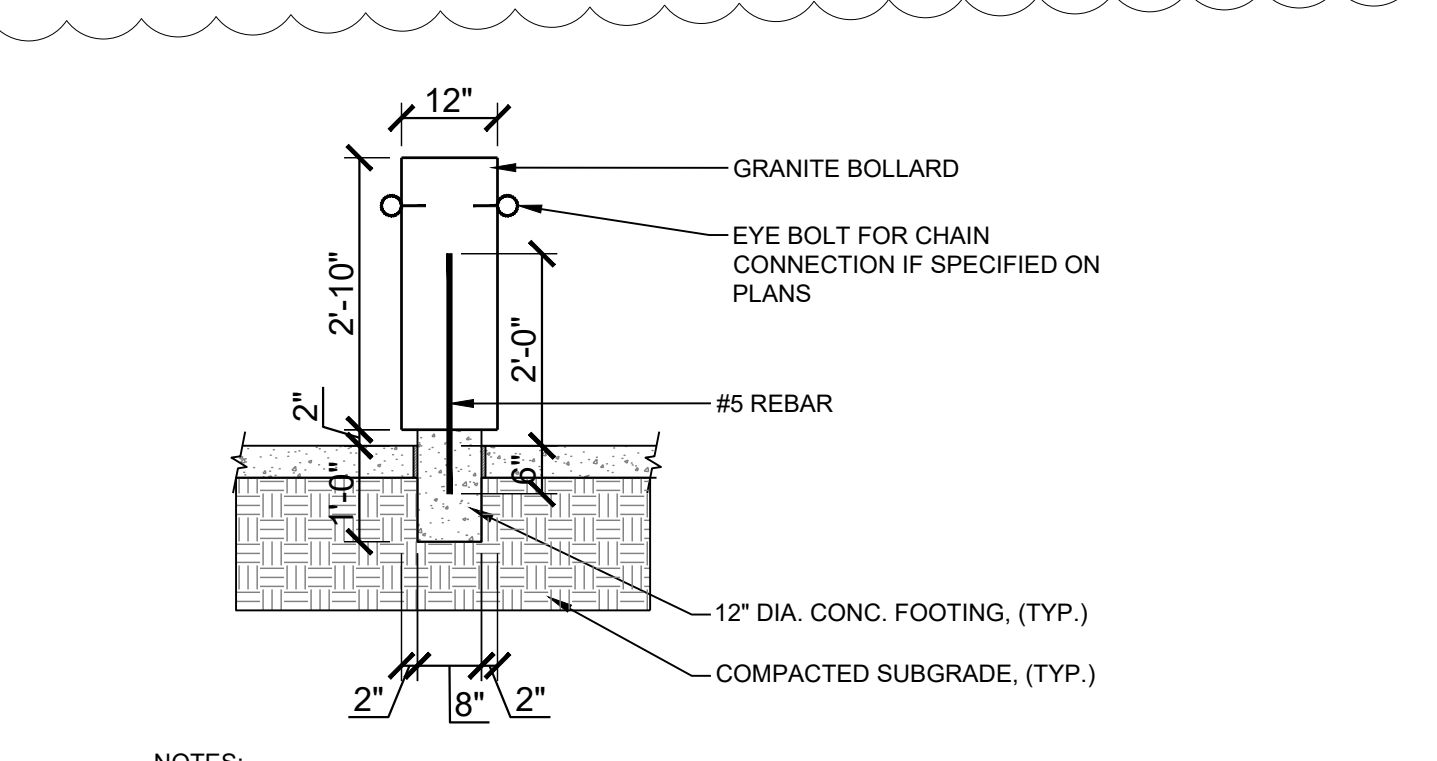
- DESIGN NOTES:**
1. DEPTH OF SUBBASE SUBJECT TO SITE SPECIFIC HYDRAULIC AND STRUCTURAL REQUIREMENTS. CONTACT BELGARD COMMERCIAL FOR DESIGN ASSISTANCE.
  2. PAVEMENT DIMENSIONS SUBJECT TO ASPECT AND PLAN RATIO REQUIREMENTS BASED ON TRAFFIC LOADING.
  3. GEOTECHNICAL ENGINEER NEEDS TO BALANCE STRUCTURAL STABILITY AND SOIL INFILTRATION WHEN RECOMMENDING SUBGRADE CONDITIONS. WHERE THE FILTRATION GEOTEXTILE IS USED, VERIFY WITH THE MANUFACTURER THAT THE MATERIAL IS NOT SUBJECT TO CLOGGING AND MEETS REQUIREMENTS OF AASHTO M-288.
  4. ASTM NO. 2 STONE MAY BE SUBSTITUTED WITH NO. 3 OR NO. 4 STONE.
  5. STRICTLY PEDESTRIAN APPLICATIONS MAY SUBSTITUTE BASE/SUBBASE LAYERS WITH ONE 6\"/>

**A1 PERVIOUS CONCRETE PAVERS**  
SCALE: NTS

**B2 TIE NEW ASPHALT INTO EXISTING ASPHALT PAVING**  
SCALE: NTS

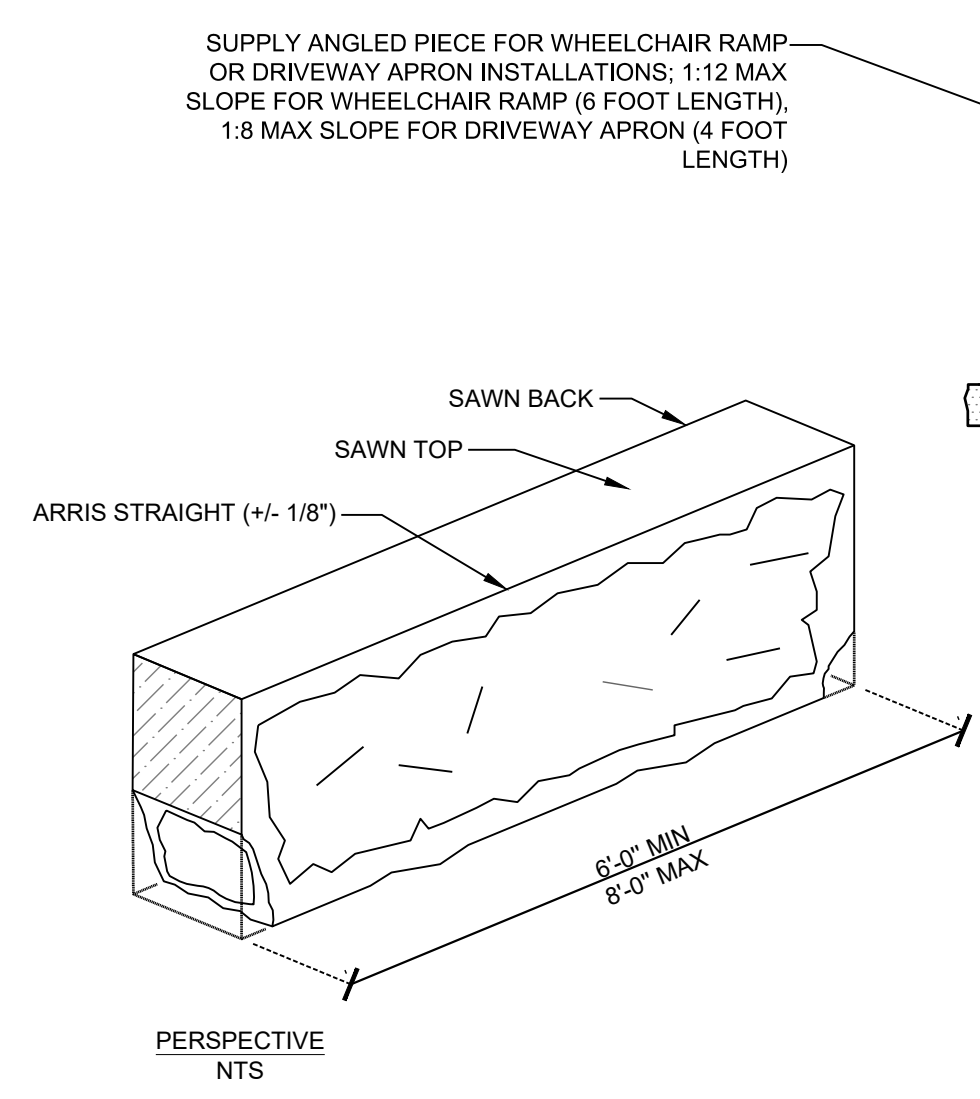


**B3 CONCRETE PAVER MEDIAN**  
SCALE: NTS

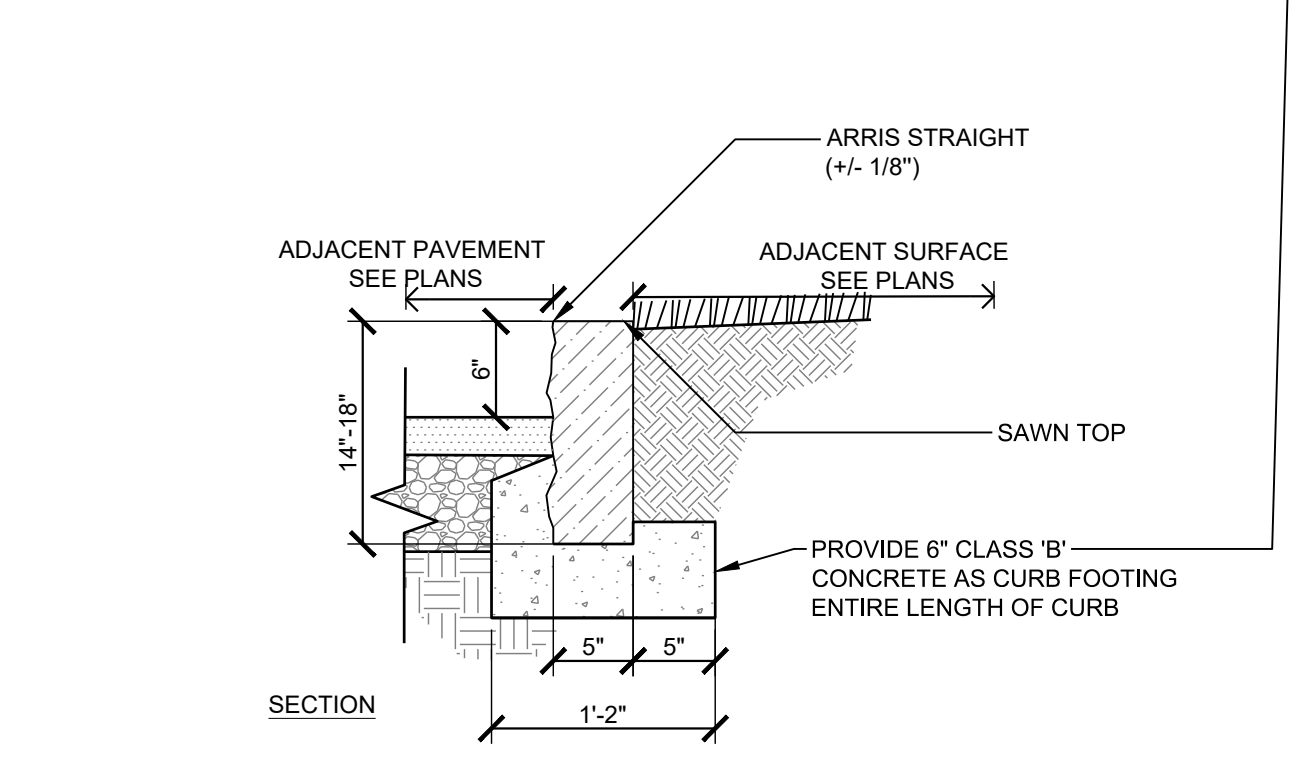
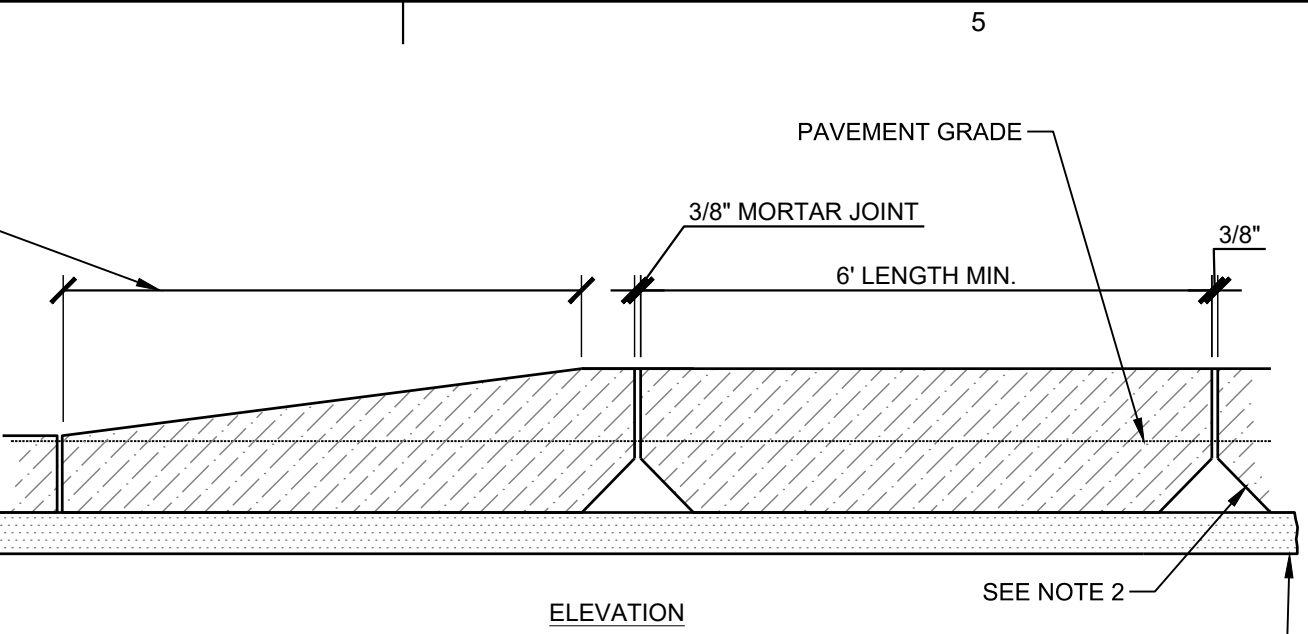
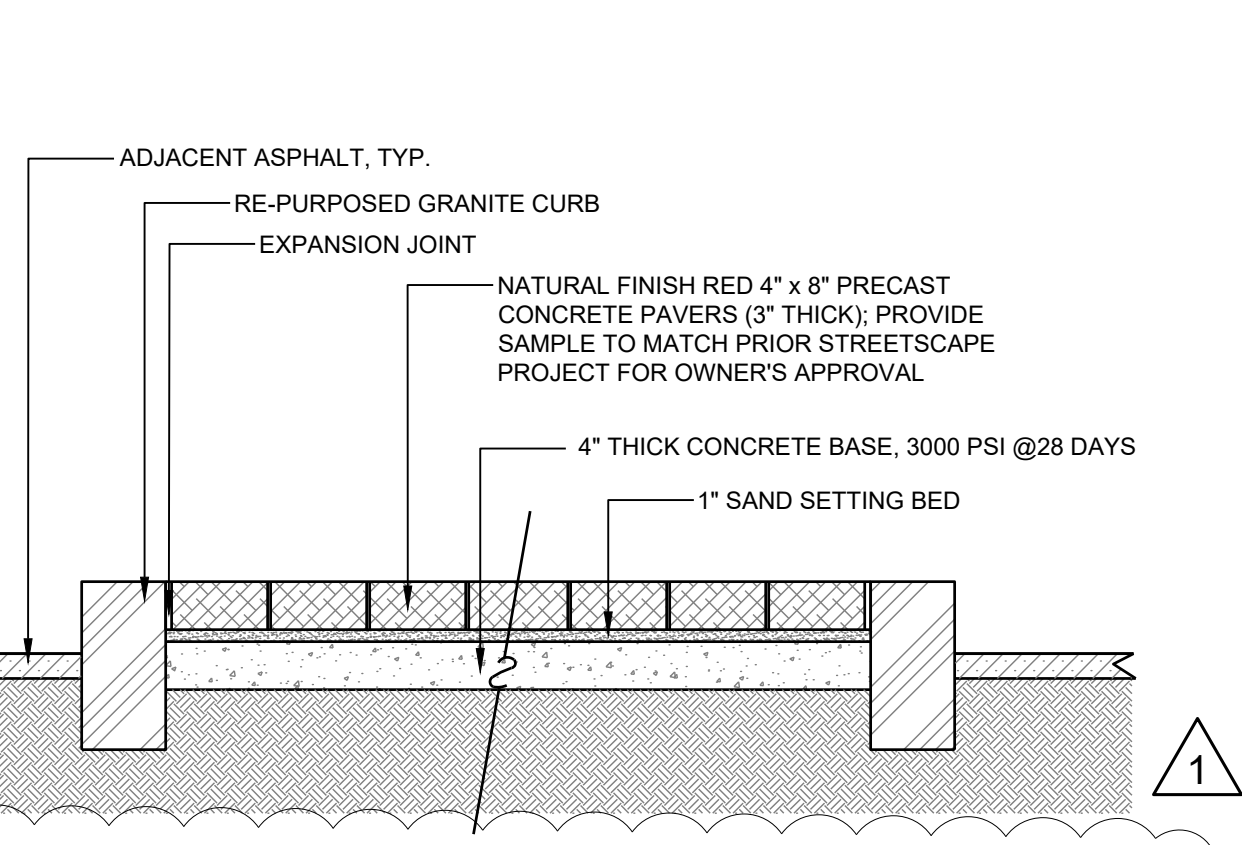


- NOTES:**
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO CONSTRUCTION PROJECT MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION.

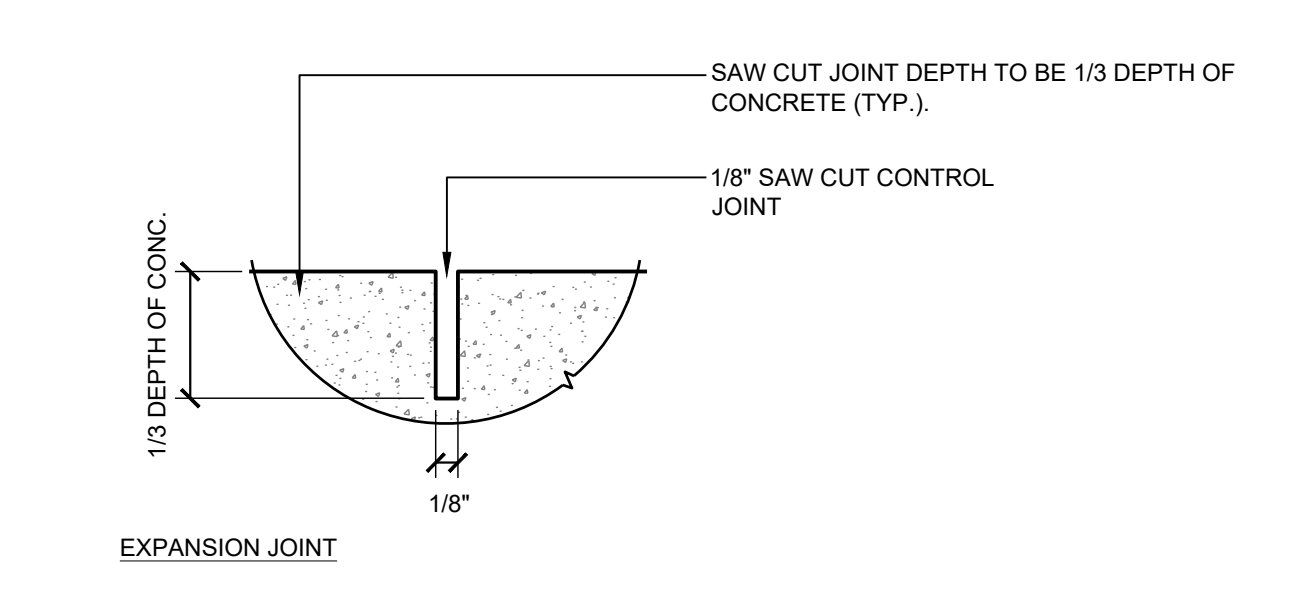
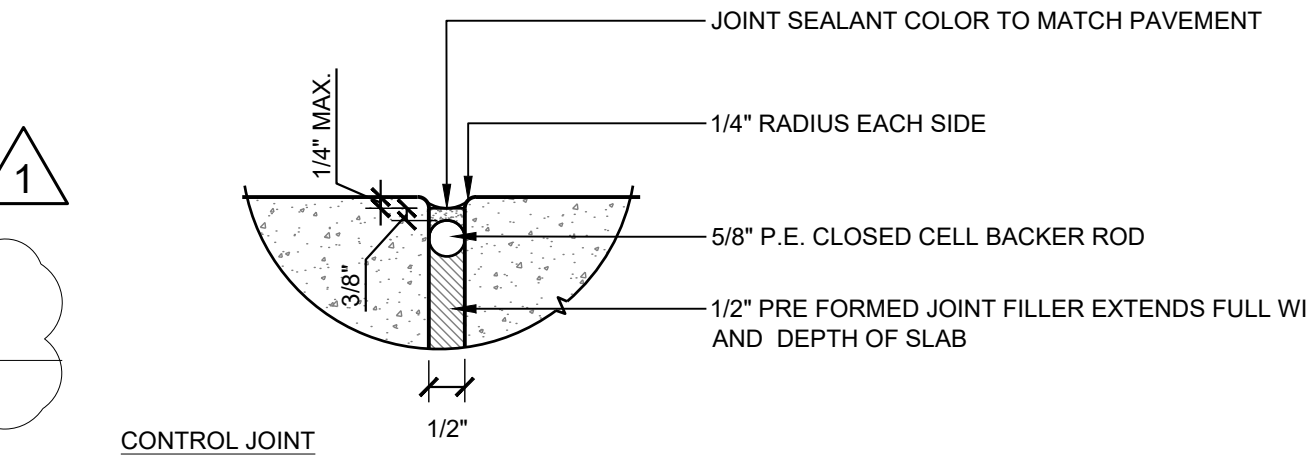
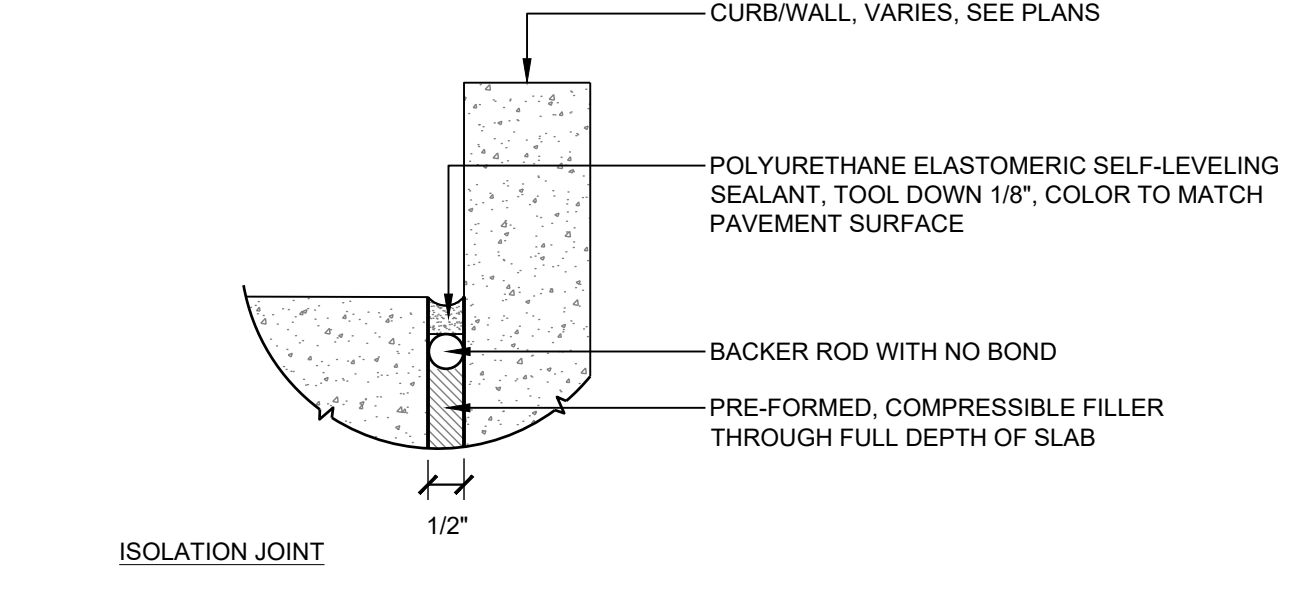
**A3 GRANITE BOLLARD**  
SCALE: NTS



**C3 GRANITE CURB**  
SCALE: NTS



- NOTES:**
1. GRADE A GRANITE CURB, SPLIT FACE, SAWN TOP.
  2. CURB ENDS MAY BREAK BACK NOT OVER 6\"/>



- NOTES:**
1. FOR ALL JOINT WIDTHS SEE CONTRACTOR DELEGATED DESIGN SUBMITTALS.
  2. POLYURETHANE ELASTOMERIC SELF-LEVELING SEALANT, TOOL DOWN 1/8\"/>

**A4 CONCRETE JOINT DETAILS**  
SCALE: NTS

|            |            |      |             |      |       |
|------------|------------|------|-------------|------|-------|
| 11/11/2020 | APPENDIX 1 | MARK | DESCRIPTION | DATE | APPR. |
|------------|------------|------|-------------|------|-------|

DESIGNED BY: RBJ

DRAWN BY: SPT

DATE: 11/11/2020

SOUGHT BY: MARY

CONTRACT NO.:

FILE NAME: 38-001.dwg

FILE NUMBER: 38-001

FILE DATE: 11/11/2020

PLotted BY: SPT

PLotted DATE: 11/11/2020

PLotted SCALE: 22' x 34' 1:1

POND

CITY OF CLARKSTON  
SPLIST PEDESTRIAN PROJECT B1 & C - ROWLAND TRAIL HEAD DESIGN

3500 Parkway Lane, GA 30057, SUITE 500  
Phone: 678.358.7740 Fax: 678.358.7774

POND PROJECT No. 1180426

ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN

SITE CONSTRUCTION DETAILS

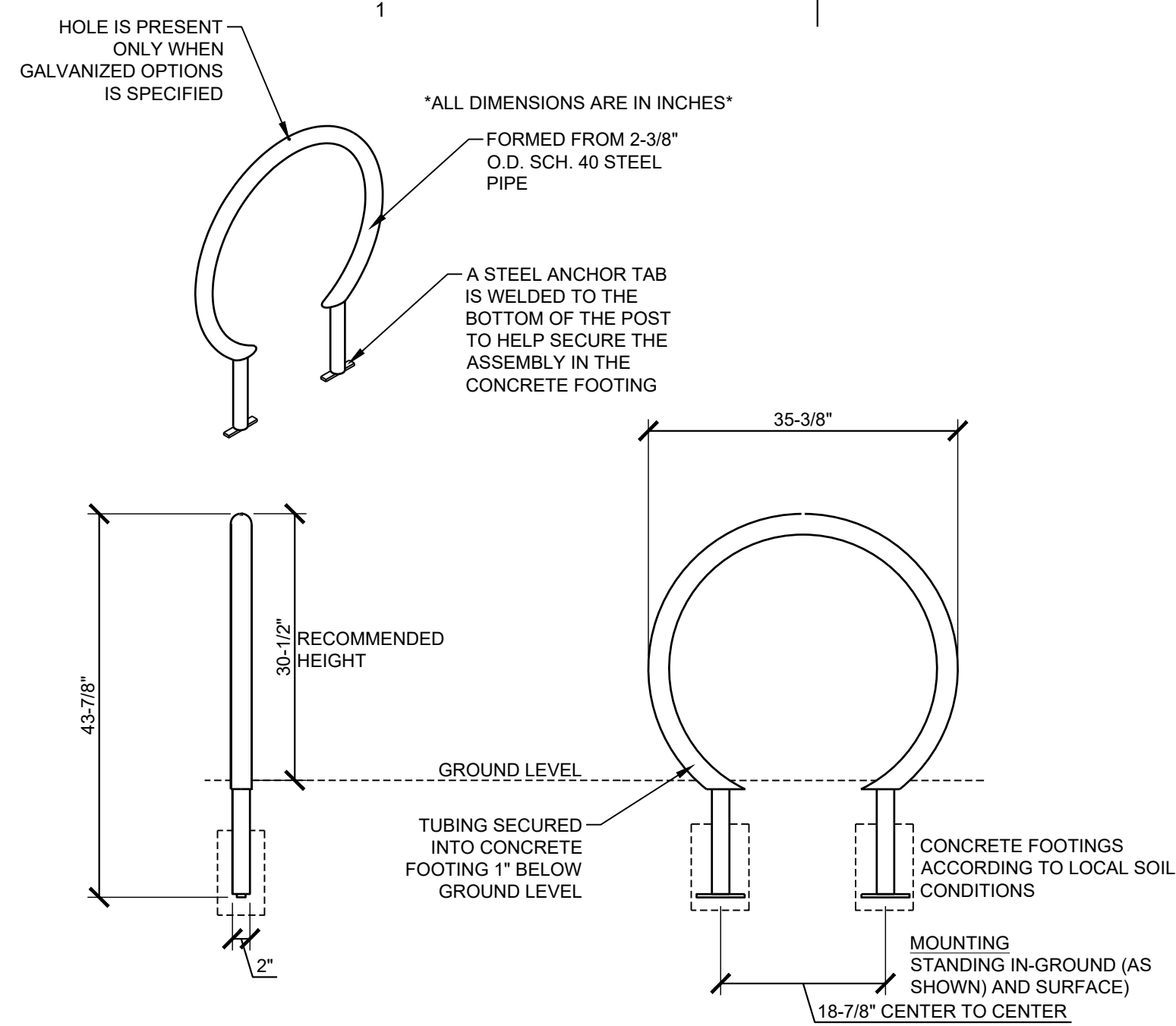
SHEET IDENTIFICATION NUMBER  
38-001

BID SET





FILE PATH: \\VAP05SERVER\RESOURCES\PROJECTS\FY18\190154\04.CAD\_BIM\04.02.CAD\ROWLAND\_TRAIL\HEAD\08-001.DWG PLOTTED BY: THOMPSON, SYDNEY



AVAILABLE OPTIONS:  
POWDER COATING  
10 AVAILABLE COLORS, 2 OPTIONAL METALLIC COLORS,  
CUSTOM COLORS (INCLUDING THE RAL RANGE AT AN ADDITIONAL COST)  
(ALL POWDER COAT FINISHES ARE DONE AT VICTOR STANLEY, INC. (VSI) TO  
MATCH THE VSI PRODUCT LINE)  
OTHER FINISHES: GALVANIZED (SPECIAL QUOTE NEEDED)

- NOTES:
- DRAWINGS NOT TO SCALE - DO NOT SCALE DRAWINGS.
  - ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED AND ELECTROSTATICALLY POWDER-COATED WITH TGIC POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MIL (200-250 MICRONS).
  - THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED IN THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
  - FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECS FOR DETAILS.
  - ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
  - THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

**B1 BIKE RACK INSTALLATION DETAIL - BRHS-101**  
SCALE: NTS - CYCLE SENTRY SERIES

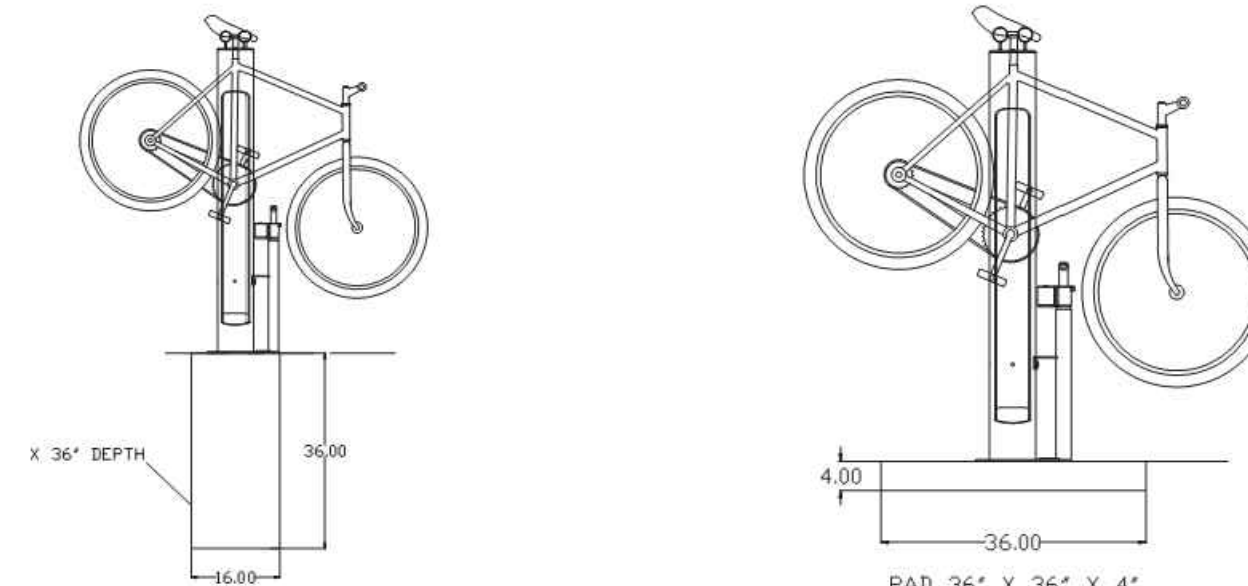
**FIXIT**  
Installation Instructions

**5**

Place the bike hanger in the desired position on top of the Fixit upright and attach with carriage bolts, washers and nuts. Apply the tamper-proof nut to center bolt to secure tools.

If you would like us to add your station to our online map, email the station's geocoordinates to [web@dero.com](mailto:web@dero.com). These coordinates can be obtained by simply clicking a point on a Google Map.

<http://www.dero.com/fixitmapfixitmap.html>



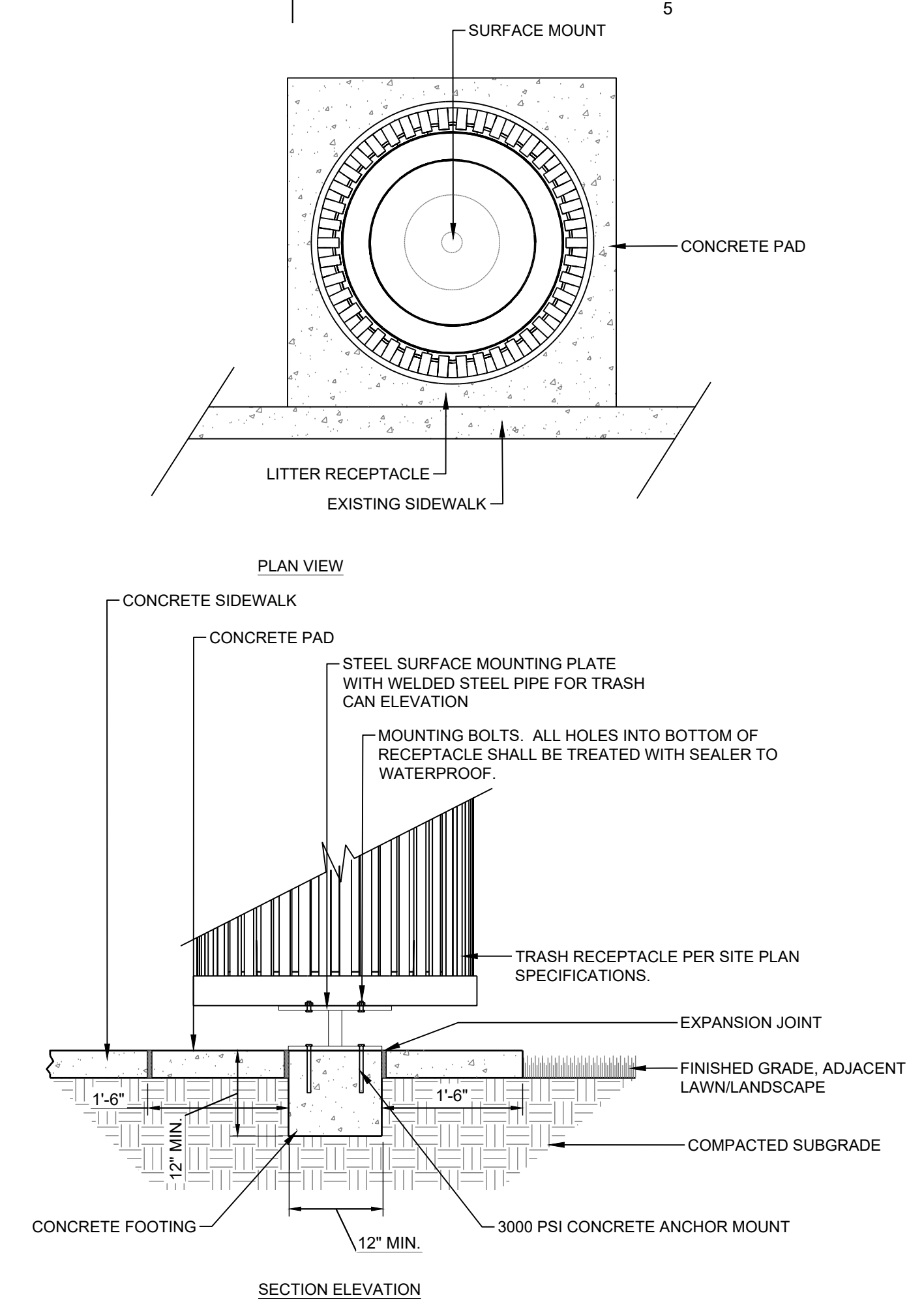
Pad recommendations for pouring along trail



[www.dero.com](http://www.dero.com) | 1-888-337-6729

© 2018 Dero

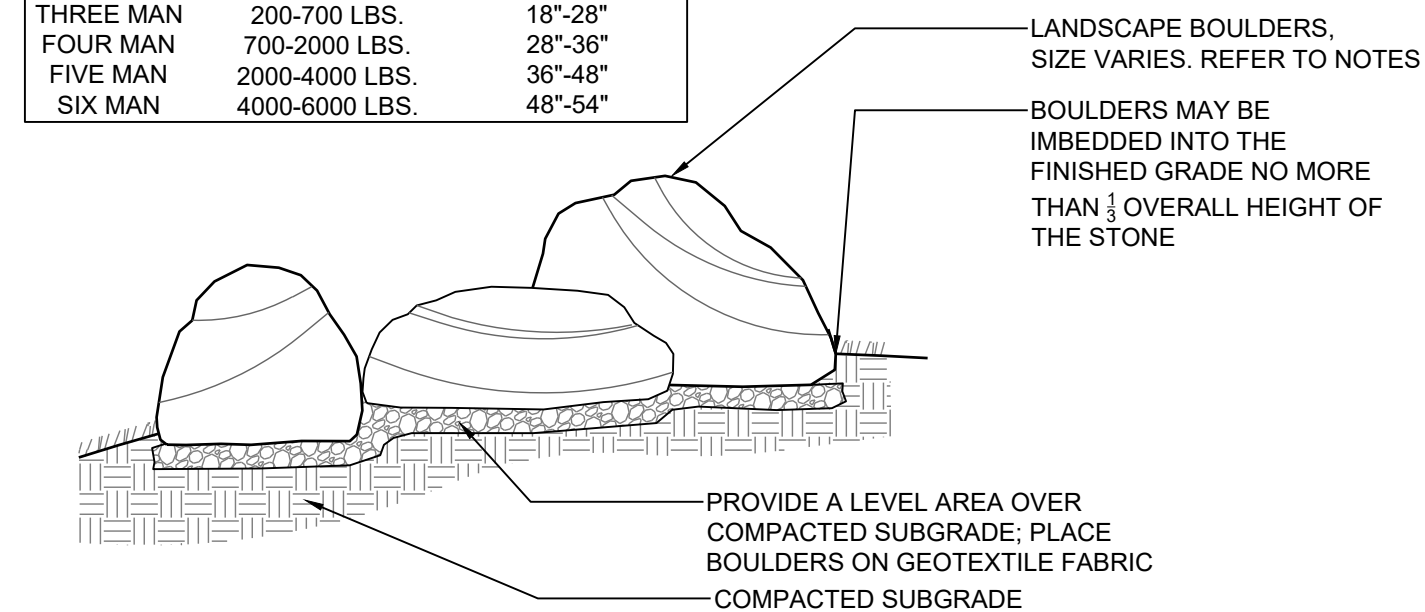
**B2 BIKE REPAIR STATION**  
SCALE: NTS



NOTE: ELEVATED SURFACE MOUNT IS TO SHOW DESIGN INTENT ONLY. CONTRACTOR TO PROVIDE MANUFACTURING SOURCE OR SHOP DRAWINGS FOR APPROVAL TO OWNER'S REPRESENTATIVE.

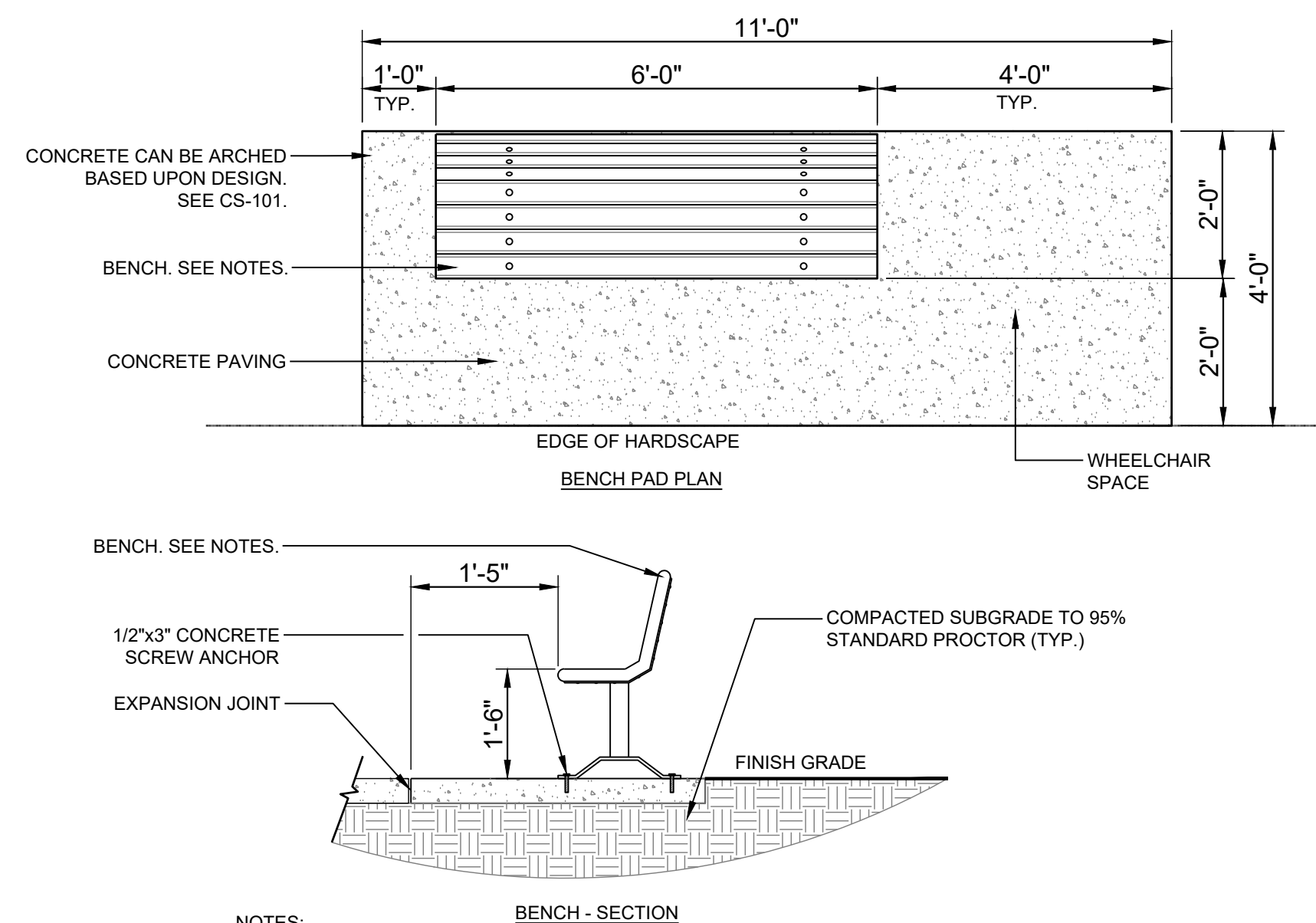
**B4 TRASHCAN MOUNTING DETAIL**  
SCALE: NTS

| ROCK SIZE | ROCK WEIGHT    | ROCK SIZE |
|-----------|----------------|-----------|
| HALF MAN  | 25-50 LBS.     | 6"-12"    |
| TWO MAN   | 50-200 LBS.    | 12"-18"   |
| THREE MAN | 200-700 LBS.   | 18"-28"   |
| FOUR MAN  | 700-2000 LBS.  | 28"-36"   |
| FIVE MAN  | 2000-4000 LBS. | 36"-48"   |
| SIX MAN   | 4000-6000 LBS. | 48"-54"   |



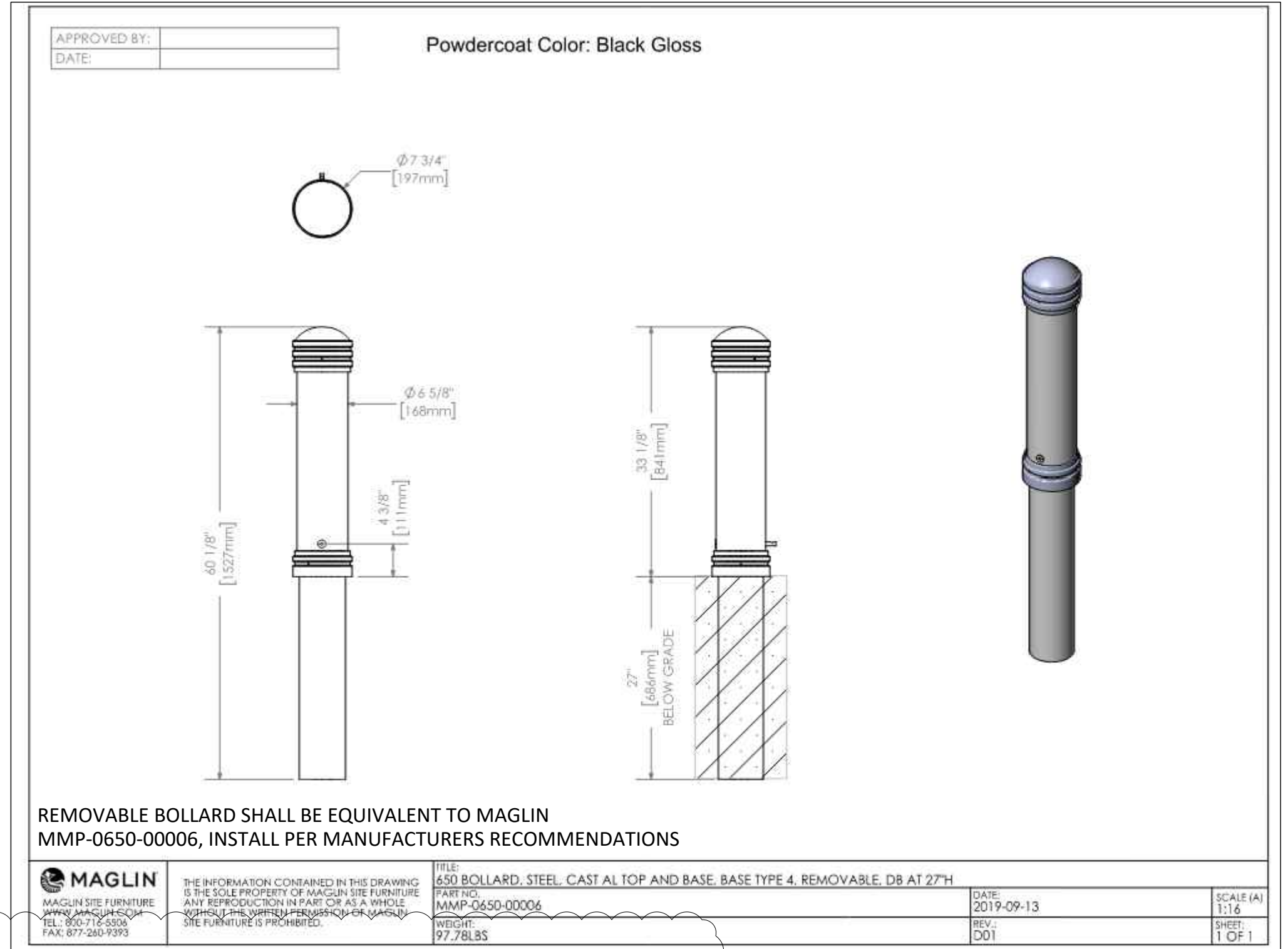
- NOTES:
- BOULDERS MAY BE TENNESSEE FIELDSTONE OR GRANITE, WITH ROUNDED EDGES INDICATING A WEATHERED APPEARANCE. EXPOSED FACES MAY NOT BE SPLITFACED OR WORKED TO ACHIEVE A WEATHERED LOOK.
  - BOULDER WEIGHTS AND SIZES ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING PHOTOGRAPHS INDICATED OR SAMPLES ON SITE FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE.
  - COORDINATE PLACEMENT OF ALL BOULDERS WITH OWNER'S REPRESENTATIVE. PLACEMENT SHALL BE IN A MORE OR LESS RANDOM PATTERN TO APPROXIMATE "NATURAL" ROCK OUTCROPPINGS.
  - AREAS TO RECEIVE BOULDERS SHALL BE FREE OF DEBRIS OR OTHER OBJECTIONABLE MATERIAL, AND PLACED ON A COMPACTED GRAVEL LEVELING PAD.

**A1 BOULDER DETAIL**  
SCALE: NTS



- NOTES:
- BENCH PADS SHALL BE LEVEL.
  - LOCATE PADS AND BENCHES AS INDICATED ON SITE PLANS.
  - CONTRACTOR TO MARK BENCH AND PAD LOCATIONS IN FIELD FOR VERIFICATION AND APPROVAL BY OWNER OR OWNER REPRESENTATIVE PRIOR TO INSTALLATION.
  - CONTRACTOR REQUIRED TO INSTALL A BENCH PAD FOR EVERY BENCH ON SITE.
  - BENCH TO BE VICTOR STANLEY MODEL #CR-18 CITY SITES SERIES (6' LONG - BLACK) OR APPROVED ALTERNATE. ALTERNATE MUST BE SUBMITTED PRIOR TO BID.

**A2 BENCH ON CONCRETE PAD**  
SCALE: NTS



REMOVABLE BOLLARD SHALL BE EQUIVALENT TO MAGLIN MMP-0650-00006, INSTALL PER MANUFACTURERS RECOMMENDATIONS

|  |  |   |                  |                 |
|--|--|---|------------------|-----------------|
| <b>MAGLIN</b><br>MAGLIN SITE FURNITURE<br>WWW.MAGLIN.COM<br>TEL: 800.716.0004<br>FAX: 877.280.9393 | THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MAGLIN SITE FURNITURE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MAGLIN SITE FURNITURE IS PROHIBITED. | FILE: 650 BOLLARD, STEEL, CAST AL TOP AND BASE, BASE TYPE 4, REMOVABLE, DB AT 27" | DATE: 2019-09-13 | SCALE (A): 1:16 |
|  |  | MANP-0650-00006   | REV: D01         | SHEET: 1 OF 1   |

**A4 REMOVABLE STEEL BOLLARD**  
SCALE: NTS



|            |             |       |
|------------|-------------|-------|
| 11.11.2020 | DATE        | APPR. |
| APPENDUM 1 | DESCRIPTION | MARK  |

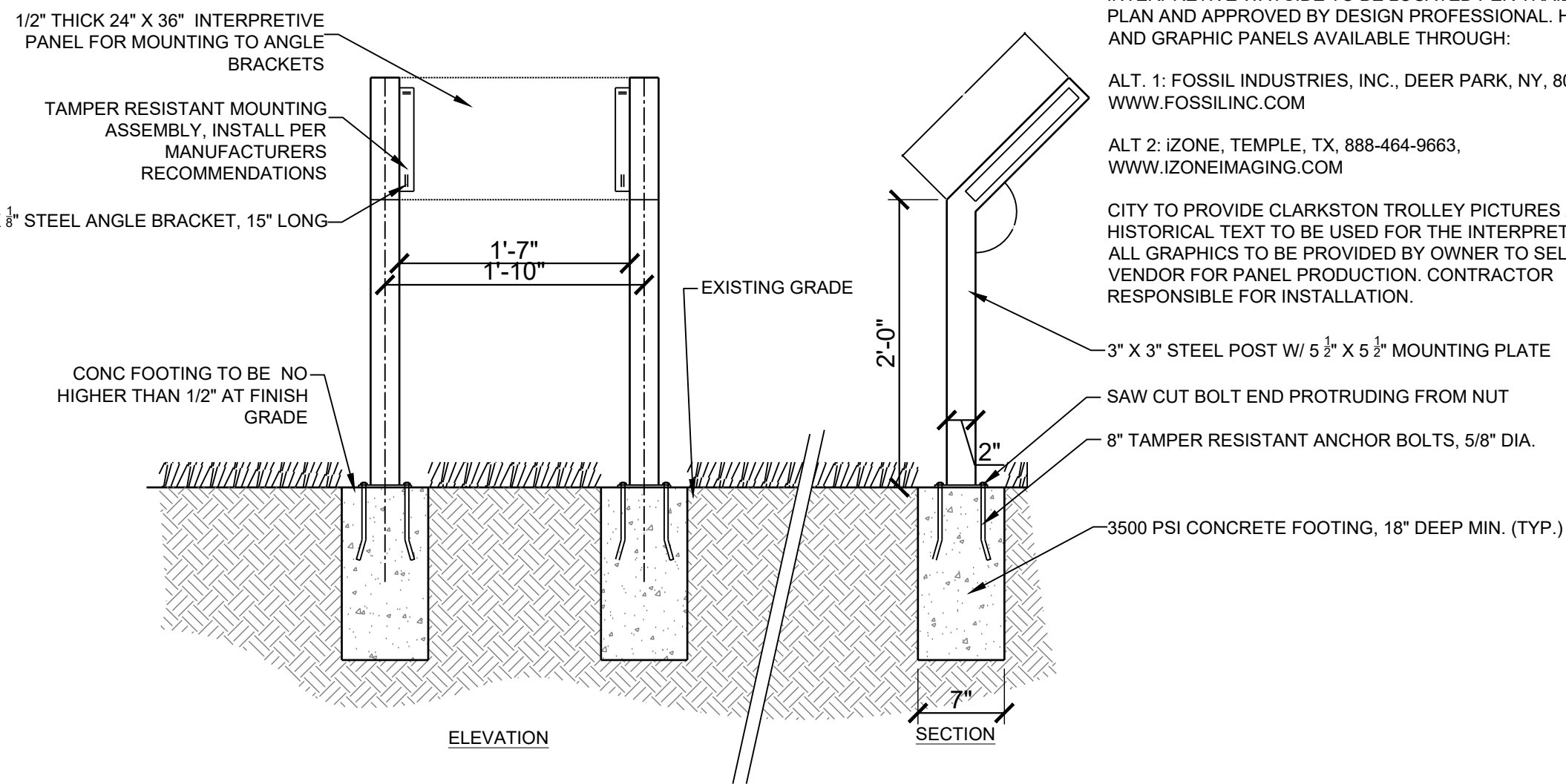
|                  |             |                   |              |               |
|------------------|-------------|-------------------|--------------|---------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: | FILE NUMBER: | PLOT DATE:    |
| DRAWN BY: [ ]    | CAD BY: [ ] | CONTRACT NO.:     | FILE NAME:   | PLOT SCALE:   |
| SUBMITTED BY:    | DATE:       | PROJECT NO.:      | 38-001.dwg   | 22" x 34" 1:1 |

CITY OF CLARKSTON  
SPLOST PEDESTRIAN PROJECT B & C - ROWLAND TRAIL HEAD DESIGN  
**POND**  
3800 Parkway Lane, Clarkston, GA 30052  
30052 SHUTE 506 0A  
Phone: 678.338.7740  
Fax: 678.338.7744  
POND PROJECT No. 1180426

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
SITE CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER  
**38-003**

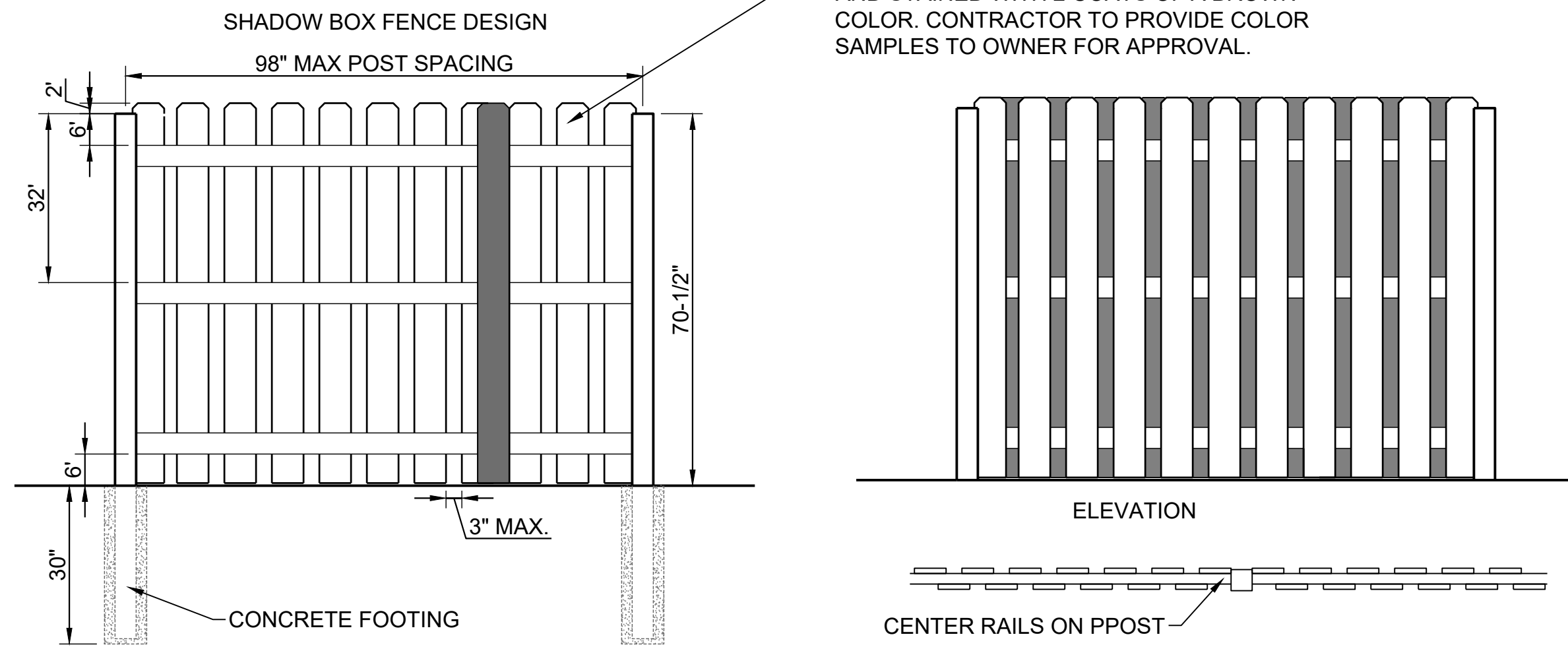
FILE PATH: \\ACPS\SERVER\RESOURCES\PROJECTS\FY18\190154\04.CAD\_BIM\04.02.CAD\ROWLAND\_TRAILHEAD\08-001.DWG PLOTTED BY: THOMPSON, SYDNEY



**NOTE:**  
 INTERPRETIVE WAYSIDE TO BE LOCATED PER TRAILHEAD SITE PLAN AND APPROVED BY DESIGN PROFESSIONAL. HARDWARE AND GRAPHIC PANELS AVAILABLE THROUGH:  
 ALT. 1: FOSSIL INDUSTRIES, INC., DEER PARK, NY, 800-244-9809, WWW.FOSSILINC.COM  
 ALT. 2: IZONE, TEMPLE, TX, 888-464-9663, WWW.IZONEIMAGING.COM  
 CITY TO PROVIDE CLARKSTON TROLLEY PICTURES AND HISTORICAL TEXT TO BE USED FOR THE INTERPRETIVE SIGN. ALL GRAPHICS TO BE PROVIDED BY OWNER TO SELECTED VENDOR FOR PANEL PRODUCTION. CONTRACTOR RESPONSIBLE FOR INSTALLATION.

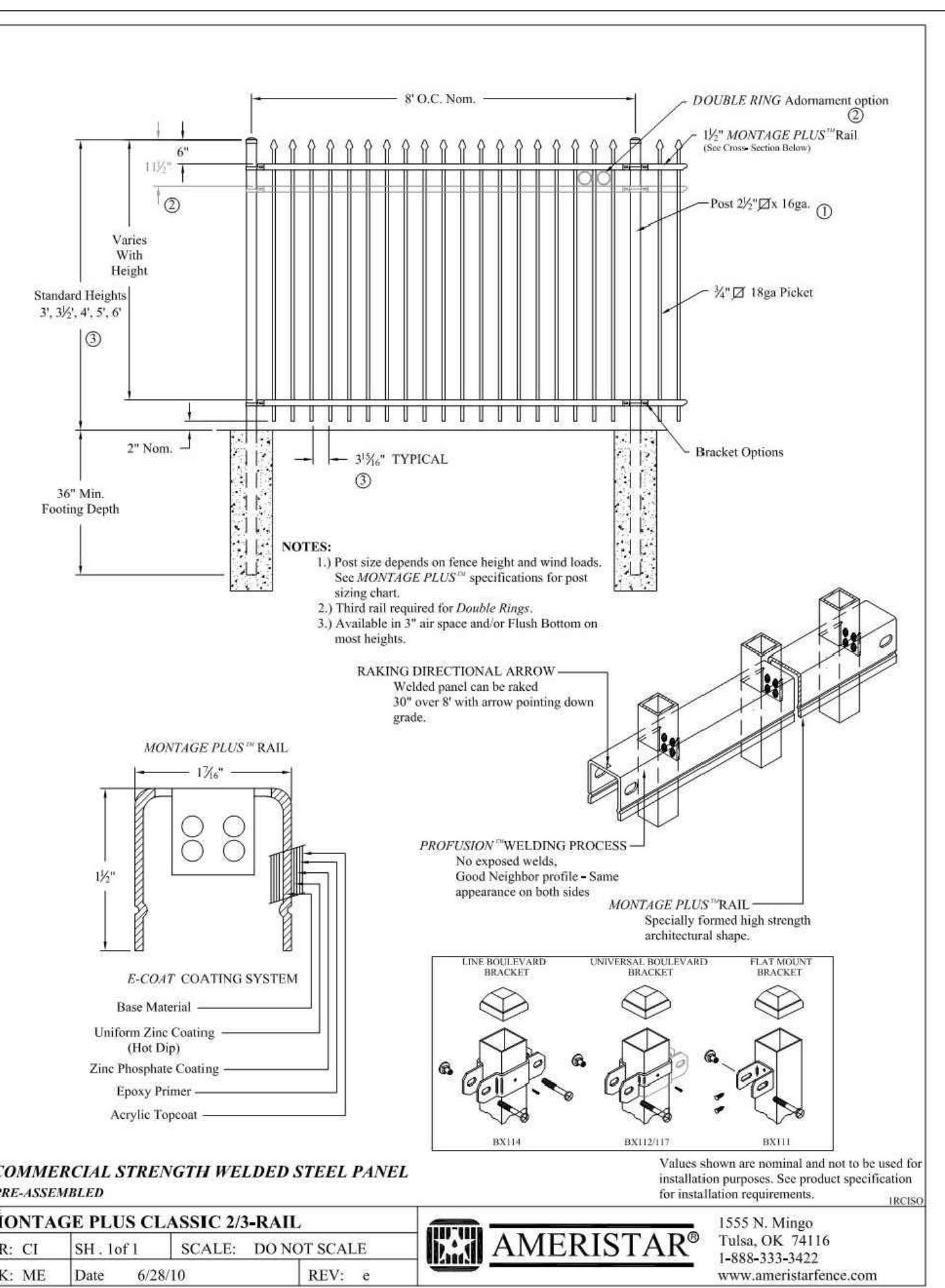
**C1** INTERPRETIVE PANEL DETAIL  
 SCALE: NTS

- NOTES:**
- 2X4 ATTACHED W/3" GALV. RING SHANK NAILS
  - 1X6 SLATS ATTACHED WITH 2" GALV. RING SHANK NAILS
  - 1/2" CLEARANCE UNDER FENCE PANELS BOTH SIDES



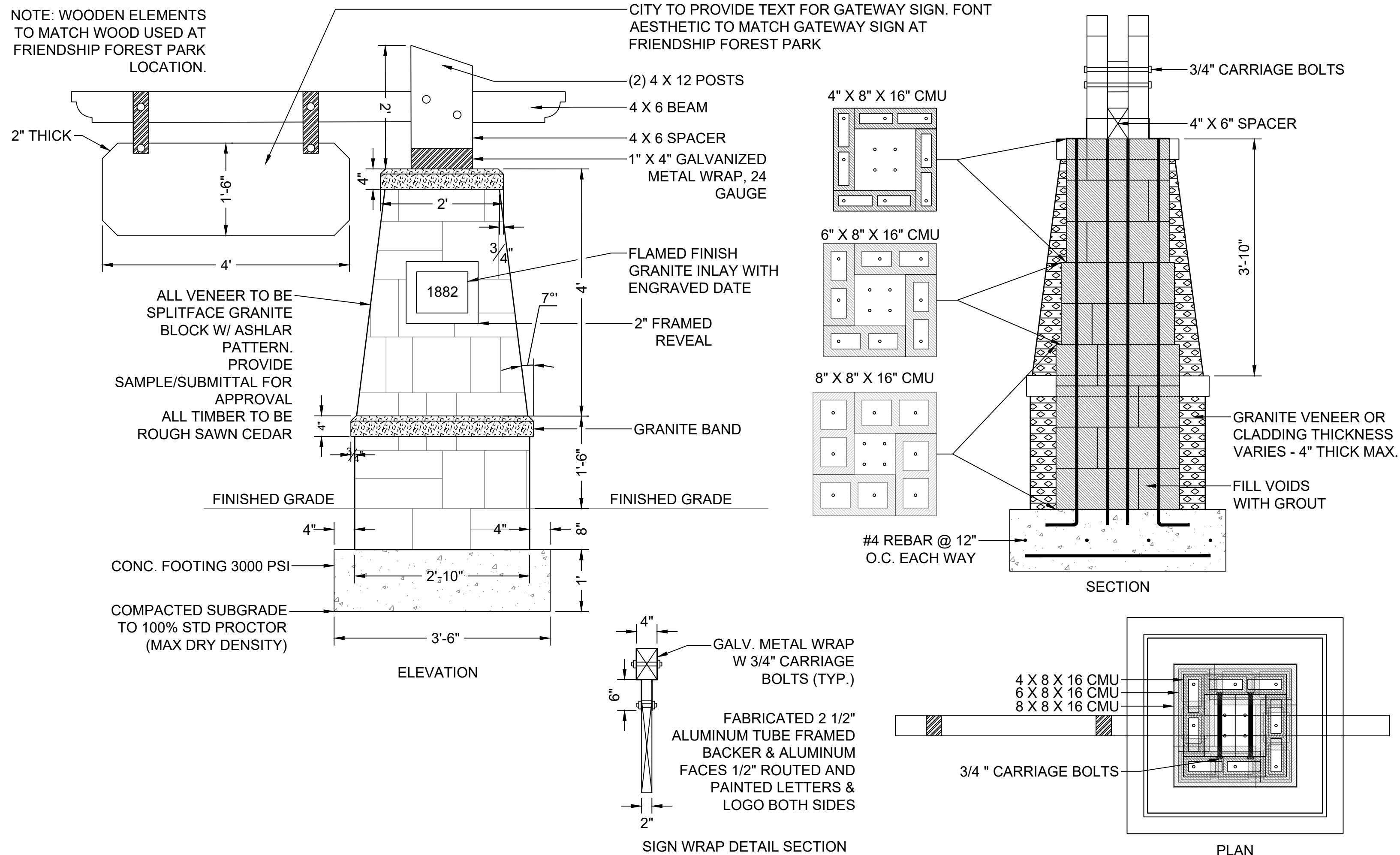
WOOD TO BE PRESSURE TREATED PINE AND STAINED WITH 2 COATS OF A BROWN COLOR. CONTRACTOR TO PROVIDE COLOR SAMPLES TO OWNER FOR APPROVAL.

**C3** WOODEN PRIVACY FENCE  
 SCALE: NTS



**COMMERCIAL STRENGTH WELDED STEEL PANEL PRE-ASSEMBLED**  
**MONTAGE PLUS CLASSIC 2/3-RAIL**  
 DR: CI SH: 1 of 1 SCALE: DO NOT SCALE  
 CK: ME Date: 6/28/10 REV: e  
**AMERISTAR**  
 1555 N. Mingo  
 Tulsa, OK 74116  
 1-888-333-3422  
 www.ameristarfence.com

**A1** AMERISTAR FENCE - BLACK  
 SCALE: NTS

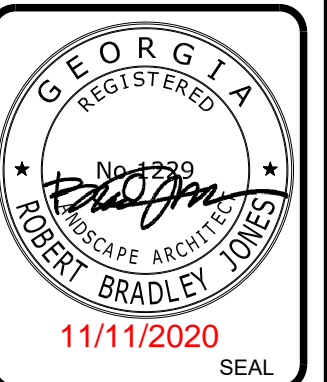


**NOTE: WOODEN ELEMENTS TO MATCH WOOD USED AT FRIENDSHIP FOREST PARK LOCATION.**  
 CITY TO PROVIDE TEXT FOR GATEWAY SIGN. FONT AESTHETIC TO MATCH GATEWAY SIGN AT FRIENDSHIP FOREST PARK

ALL VENEER TO BE SPLITFACE GRANITE BLOCK W/ ASHLAR PATTERN. PROVIDE SAMPLE/SUBMITTAL FOR APPROVAL  
 ALL TIMBER TO BE ROUGH SAWN CEDAR

FABRICATED 2 1/2\"/>
 GALV. METAL WRAP W 3/4\"/>

**A3** GATEWAY SIGNAGE  
 SCALE: 3/4\"/>



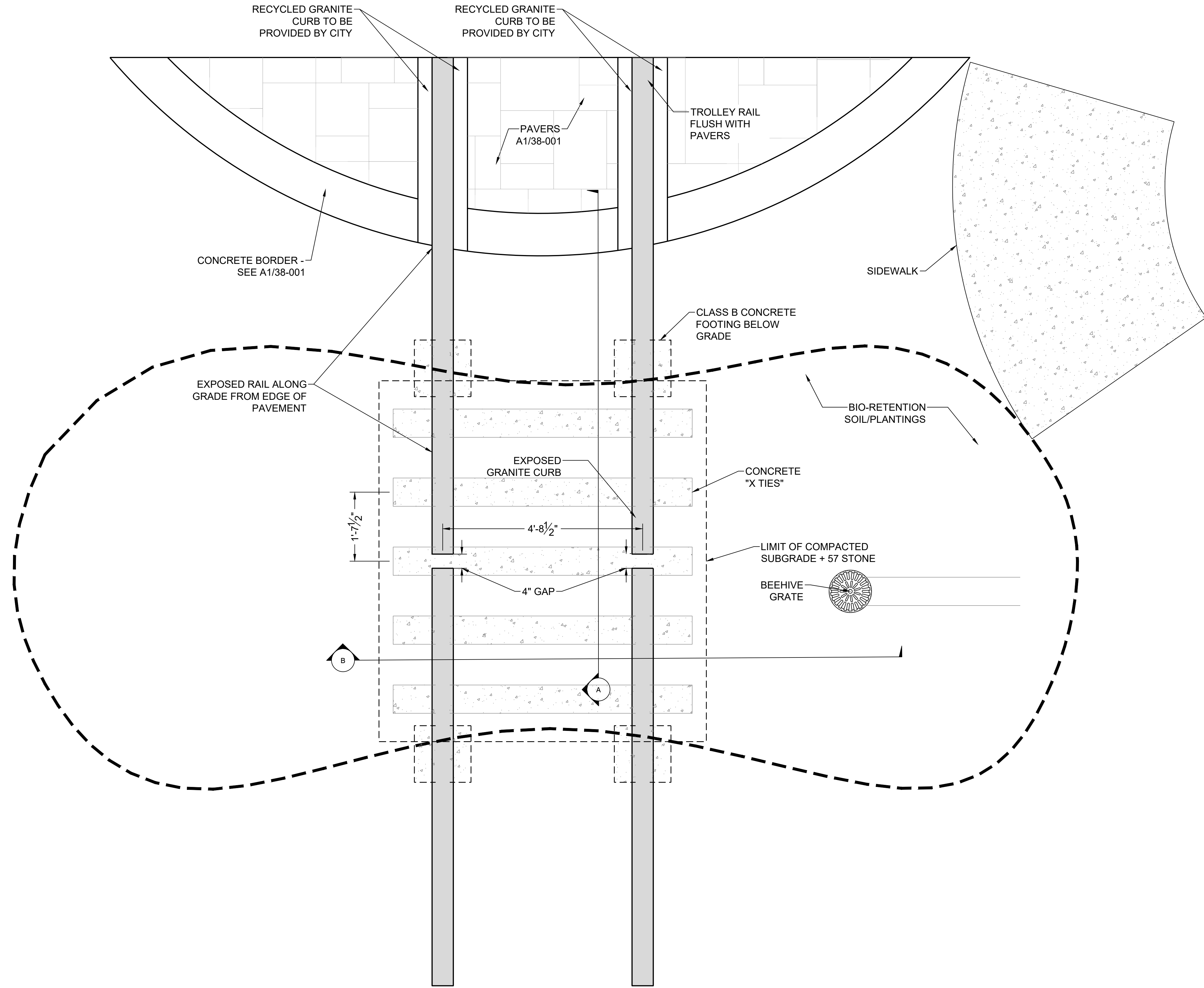
| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | APPENDUM 1  | 11-11-2020 |       |

|   |                       |                    |                        |
|---|-----------------------|--------------------|------------------------|
| DESIGNED BY: RBJ  | DATE: 11/11/2020      | SOLICITATION NO.:  | FILE NUMBER: 38-001    |
| DRAWN BY: RBJ   | CAD BY: RBJ           | CONTRACT NO.:      | PILOT DATE: 11/11/2020 |
| SUBMITTED BY:   | FILE NAME: 38-001.dwg | PILOT SCALE: 2\"/> |                        |
| 3500 Parkway Lane<br>30052 SHUTE 506 GA<br>Phone: 678.333.7740<br>Fax: 678.333.7744 | PILOT SCALE: 2\"/>    |                    |                        |

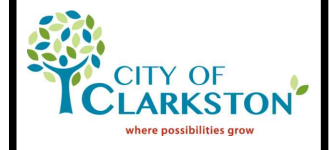
**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
 SITE CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER  
**38-004**

FILE PATH: \\ACPS\SERVER\RESOURCES\PROJECTS\FY18\190715\04.CAD\_BIM\04.02.CAD\ROWLAND\_TRAILHEAD\08-001.DWG PLOTTED BY: THOMPSON, SYDNEY



**A1** TRAILHEAD - RAIN GARDEN PLAN DETAIL  
SCALE: 3/4" = 1'-0"



| MARK | DESCRIPTION | DATE       | APPR. |
|------|-------------|------------|-------|
| 1    | APPENDIUM 1 | 11.11.2020 |       |

|                  |             |                   |
|------------------|-------------|-------------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: |
| DRAWN BY: GAY    | CAD BY: GAY | CONTRACT NO.:     |
| SUBMITTED BY:    | FILE NAME:  | FILE NUMBER:      |
|                  | 38-001.dwg  |                   |
|                  | SIZE:       | PLOT SCALE:       |
|                  | 22" x 34"   | 1:1               |
|                  |             | PLOT DATE:        |
|                  |             | 11/11/2020        |

**CITY OF CLARKSTON**  
SPLOST PEDESTRIAN PROJECT B & C -  
ROWLAND TRAILHEAD DESIGN

**POND**  
3500 Parkway Lane GA  
30052 STATE 500 GA  
Phone: 678.358.7740  
Fax: 678.358.7744

POND PROJECT No. 1180426

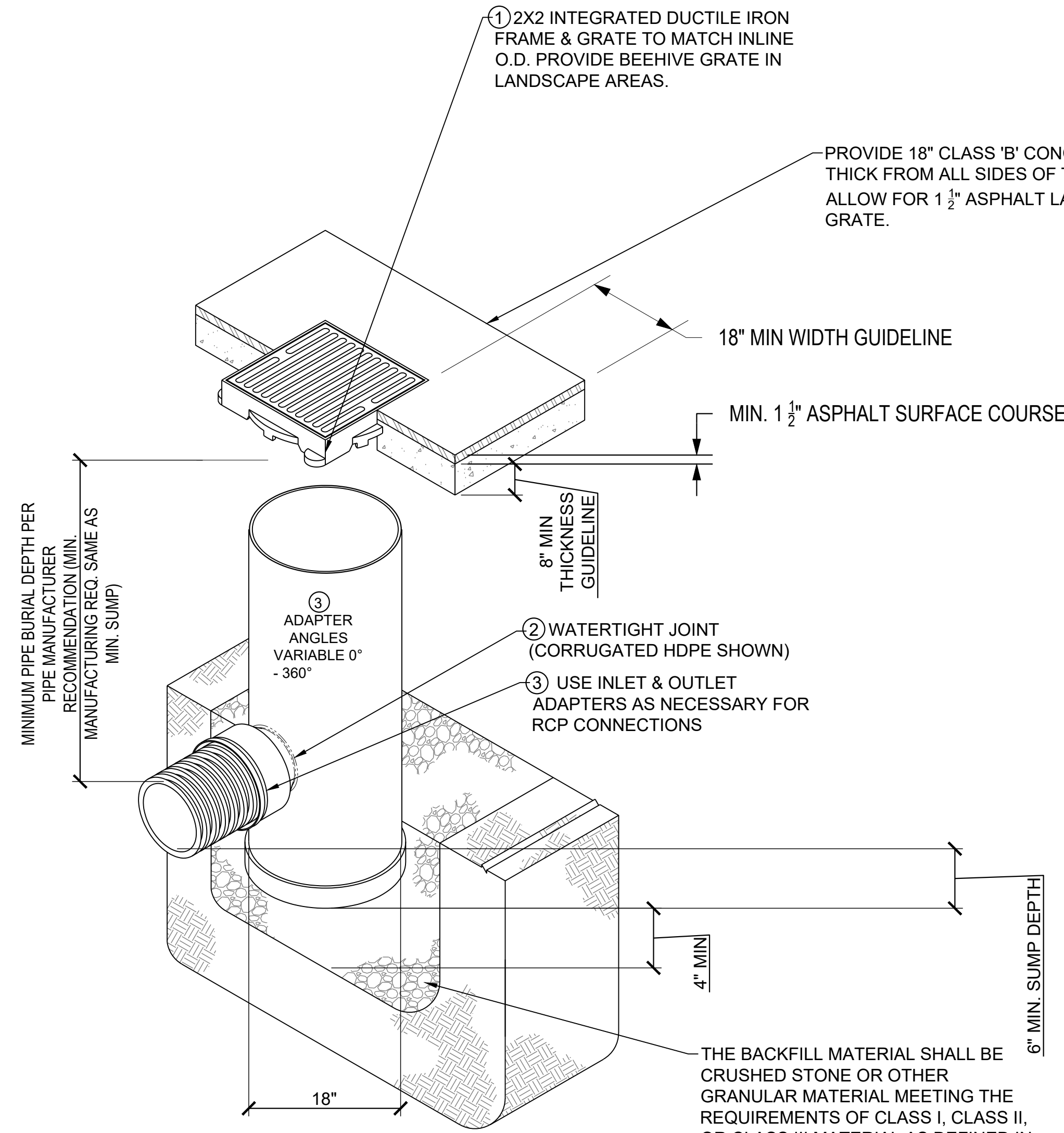
**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

**SITE CONSTRUCTION DETAILS**

SHEET  
IDENTIFICATION  
NUMBER  
**38-005**

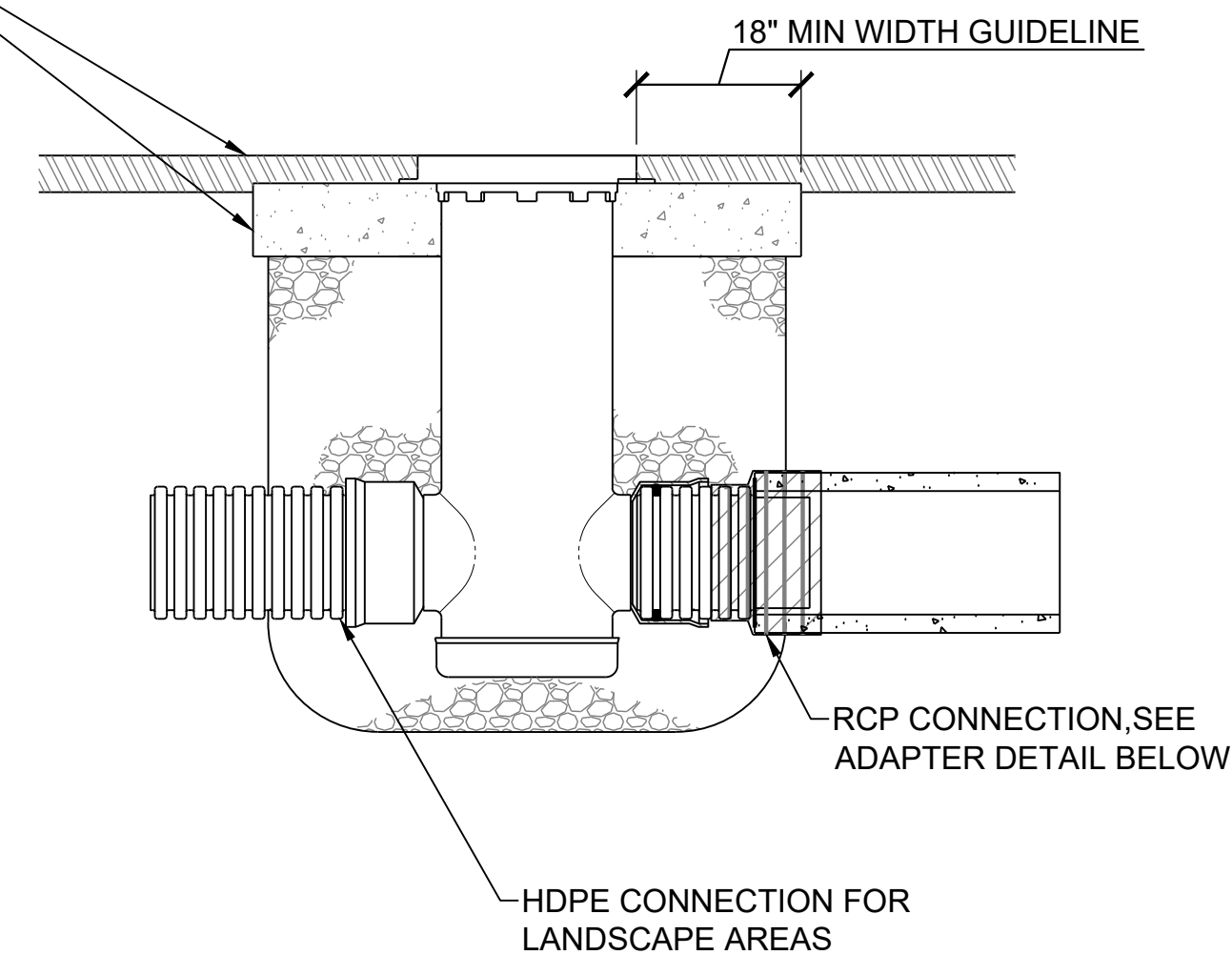


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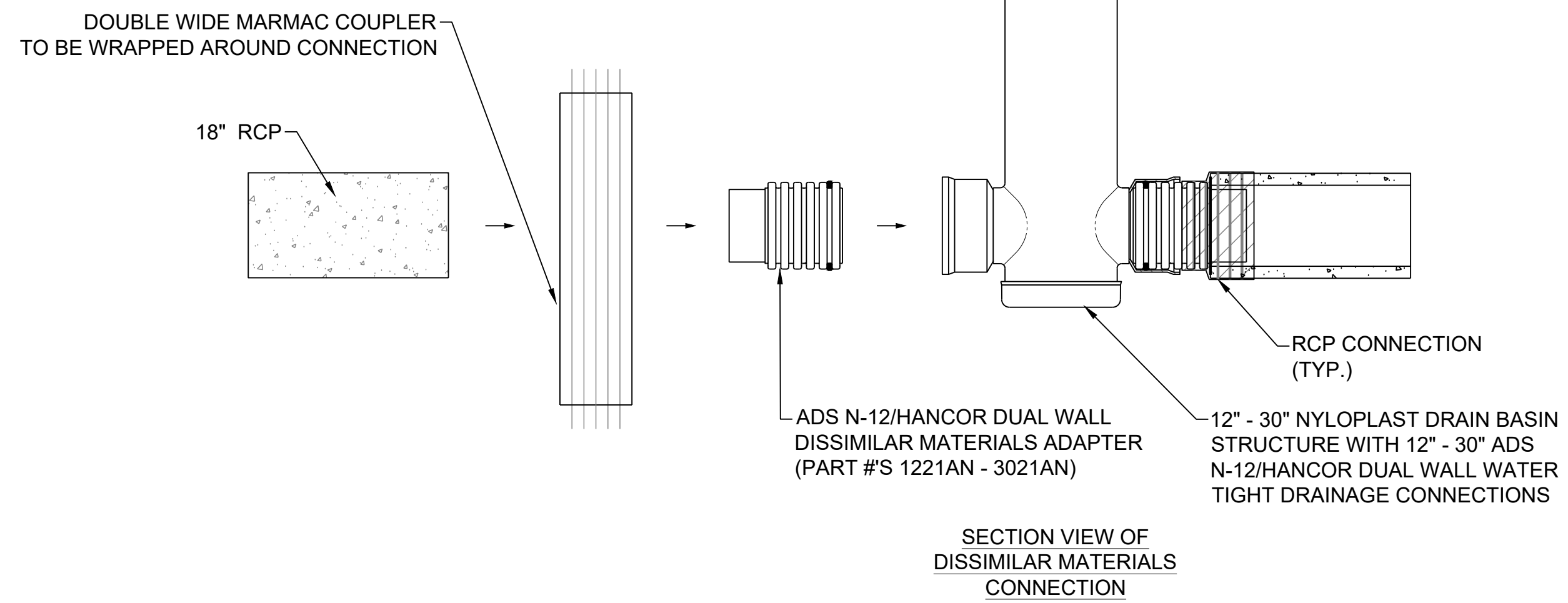
NOTES:

- FRAMES AND GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. GRATES SHALL MEET H-20 LOAD RATING.
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE.
- ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.
- CONTRACTOR MAY SUBSTITUTE GDOT STD. 1019 TYPE A PRECAST OR BUILT IN PLACE FOR ANY OR ALL NYLOPLAST INLETS IN PAVING. BEEHIVE GRATES REQUIRED IN ALL LANDSCAPE AREAS.
- ALL DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE
- REFER TO GRADING PLAN FOR PIPE SIZE. OWNER'S REPRESENTATIVE TO APPROVE ALL LOCATIONS IN THE FIELD.
- PRODUCT SPECIFICATION: PROVIDE SUBMITTAL FROM:
  - NYLOPLAST BY ADS (DETAIL SHOWN BASED ON MANUFACTURER'S STANDARD DETAIL FOR ROAD AND HIGHWAY STRUCTURES)
  - NDS DRAINAGE SYSTEMS
  - OR APPROVED EQUAL

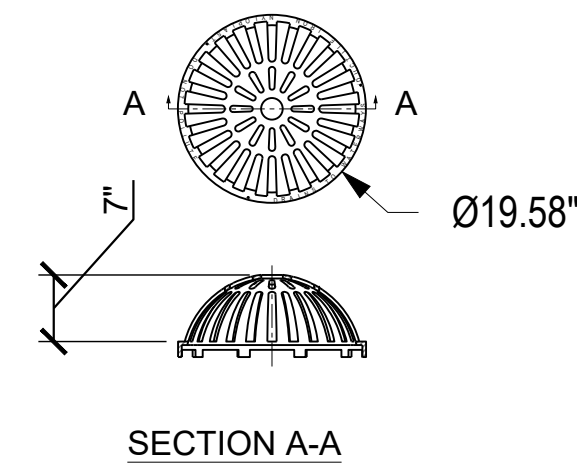


| STRUCTURE SIZE | H-20 GRATE OPTIONS |          |       |         |         |
|----------------|--------------------|----------|-------|---------|---------|
|                |                    |          |       |         |         |
| 12"            | N/A                | STANDARD | SOLID | 2X2 R&H | N/A     |
| 15"            | N/A                | STANDARD | SOLID | 2X2 R&H | N/A     |
| 18"            | N/A                | STANDARD | SOLID | 2X2 R&H | 2X3 R&H |
| 24"            | N/A                | STANDARD | SOLID | 2X2 R&H | 2X3 R&H |
| 30"            | PEDESTRIAN         | STANDARD | SOLID | 2X2 R&H | 2X3 R&H |
| 36"            | PEDESTRIAN         | STANDARD | SOLID | 2X2 R&H | 2X3 R&H |

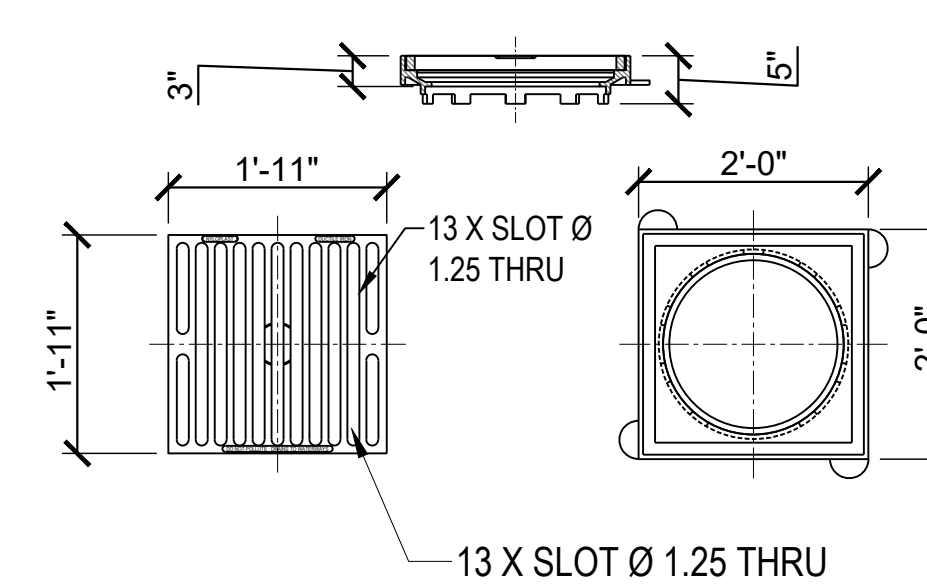
- THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.
- TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS.



18" BEEHIVE GRATE: NYLOPLAST 1899CGD  
APPROX. DRAIN AREA = 175.59 SQ IN  
APPROX. WEIGHT = 32.00 LBS



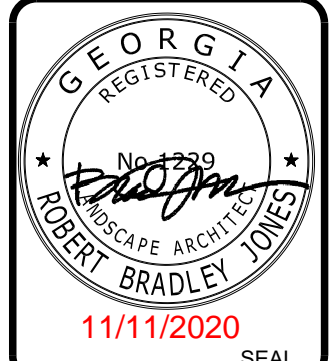
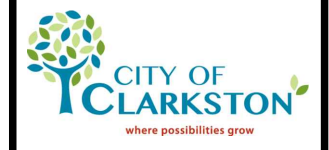
2'X2' NYLOPLAST GRATE 3299CGSQ  
APPROX. DRAIN AREA = 277.53 SQ IN  
\*APPROX. WEIGHT OF GRATE = 66.50 LBS



GRATE NOTES:

- DIMENSIONS ARE IN INCHES AND FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY
- QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
- PAIN: CASTINGS ARE FURNISHED WITH A BLACK PAINT
- PROVIDE LOCKING DEVICE 2X2 GRATE:
- MEETS H-20 LOAD RATING
- \*WEIGHT DOES NOT INCLUDE FRAME; WITH 18" BASE: APPROX. 86.50 LBS

A STORM DRAIN DETAIL  
SCALE: NOT TO SCALE



| APPENDIX 1 | DATE       | DESCRIPTION | MARK | APPR. |
|------------|------------|-------------|------|-------|
| 1          | 11.11.2020 |             |      |       |

|                  |            |                   |               |
|------------------|------------|-------------------|---------------|
| DESIGNED BY: RBJ | DATE:      | SOLICITATION NO.: | CONTRACT NO.: |
| DRAWN BY: GBT    | 11/11/2020 |                   |               |
| CHECKED BY: JMT  |            |                   |               |
| SUBMITTED BY:    |            | FILE NAME:        | FILE NUMBER:  |
|                  |            | 38-001.dwg        |               |
|                  |            | SIZE:             | PLOT DATE:    |
|                  |            | 22" x 34"         | 11/11/2020    |
|                  |            |                   | PLOT SCALE:   |
|                  |            |                   | 1:1           |

CITY OF CLARKSTON  
ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN  
CONSTRUCTION DETAILS

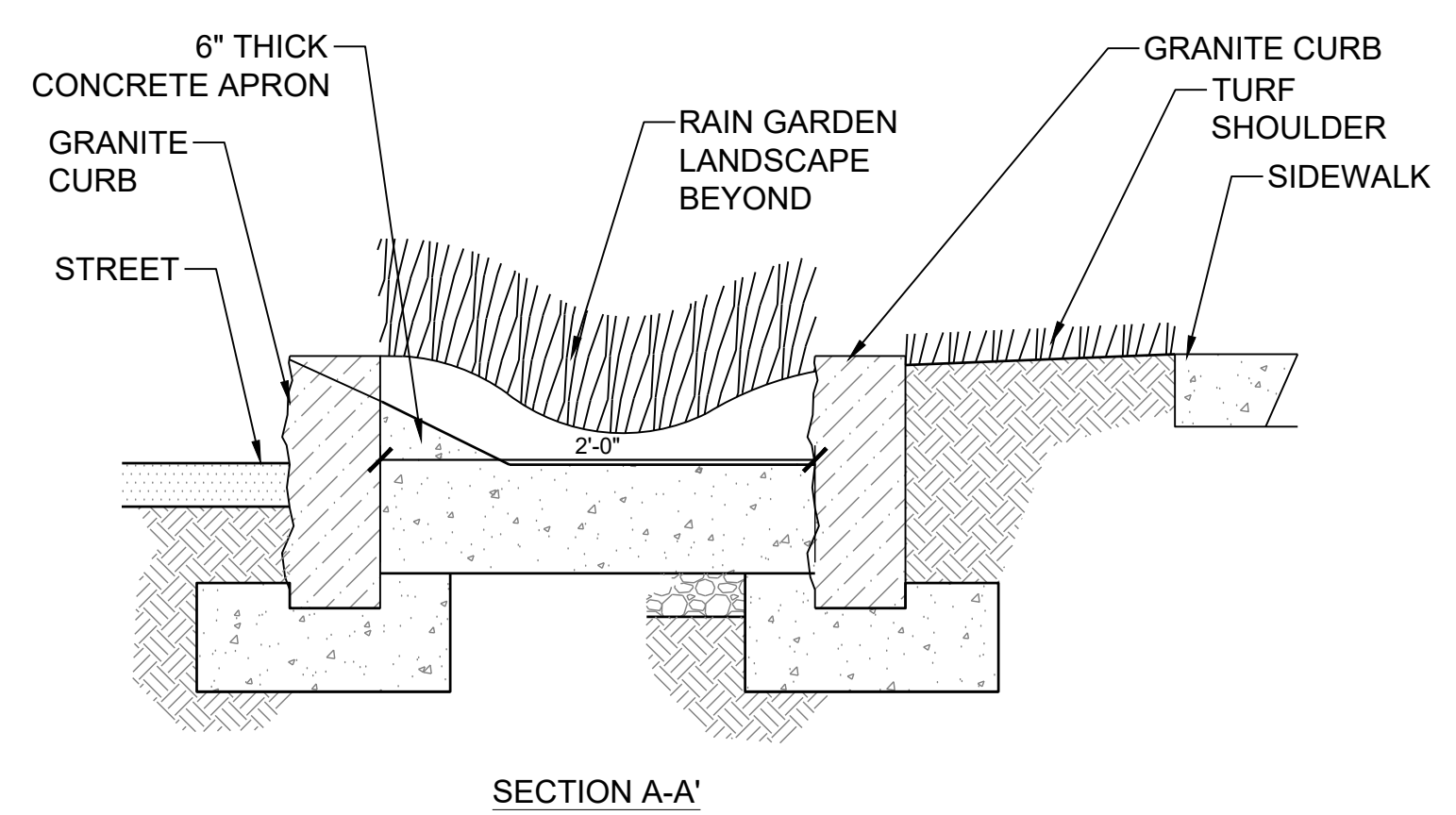
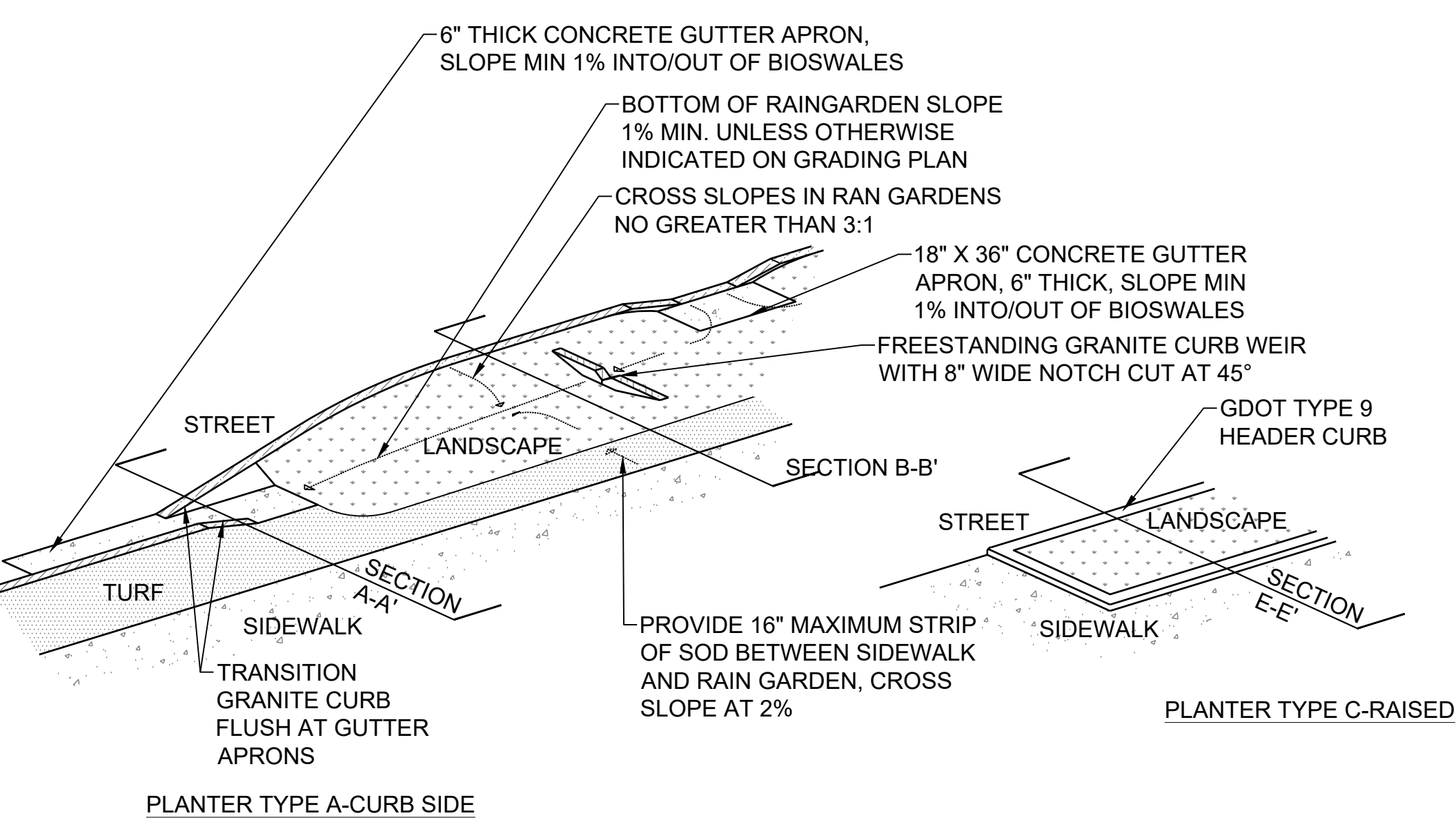
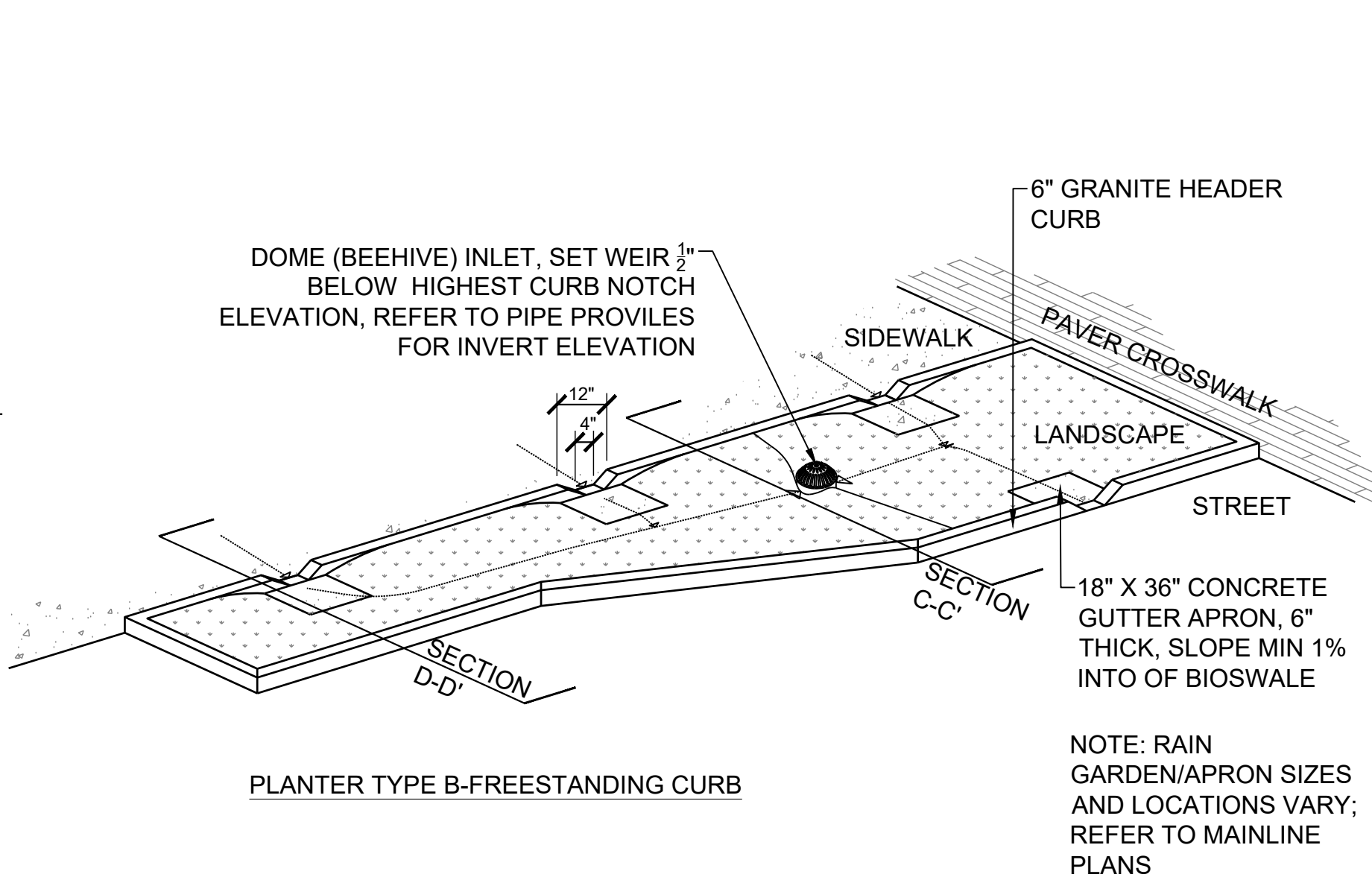
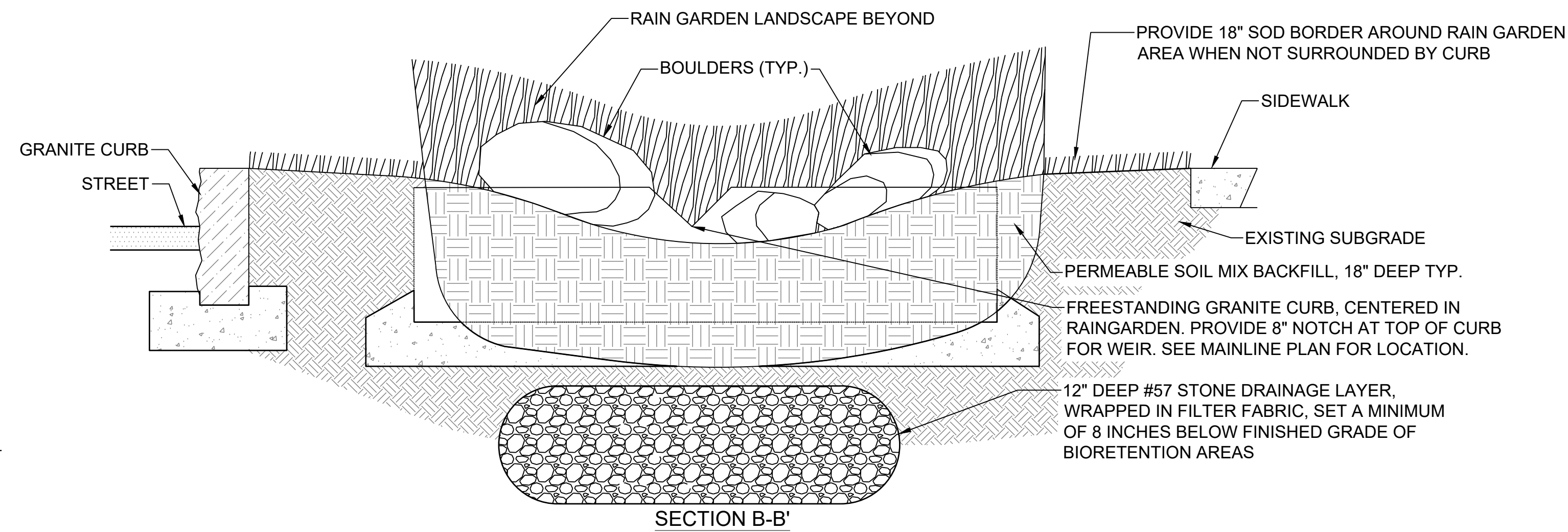
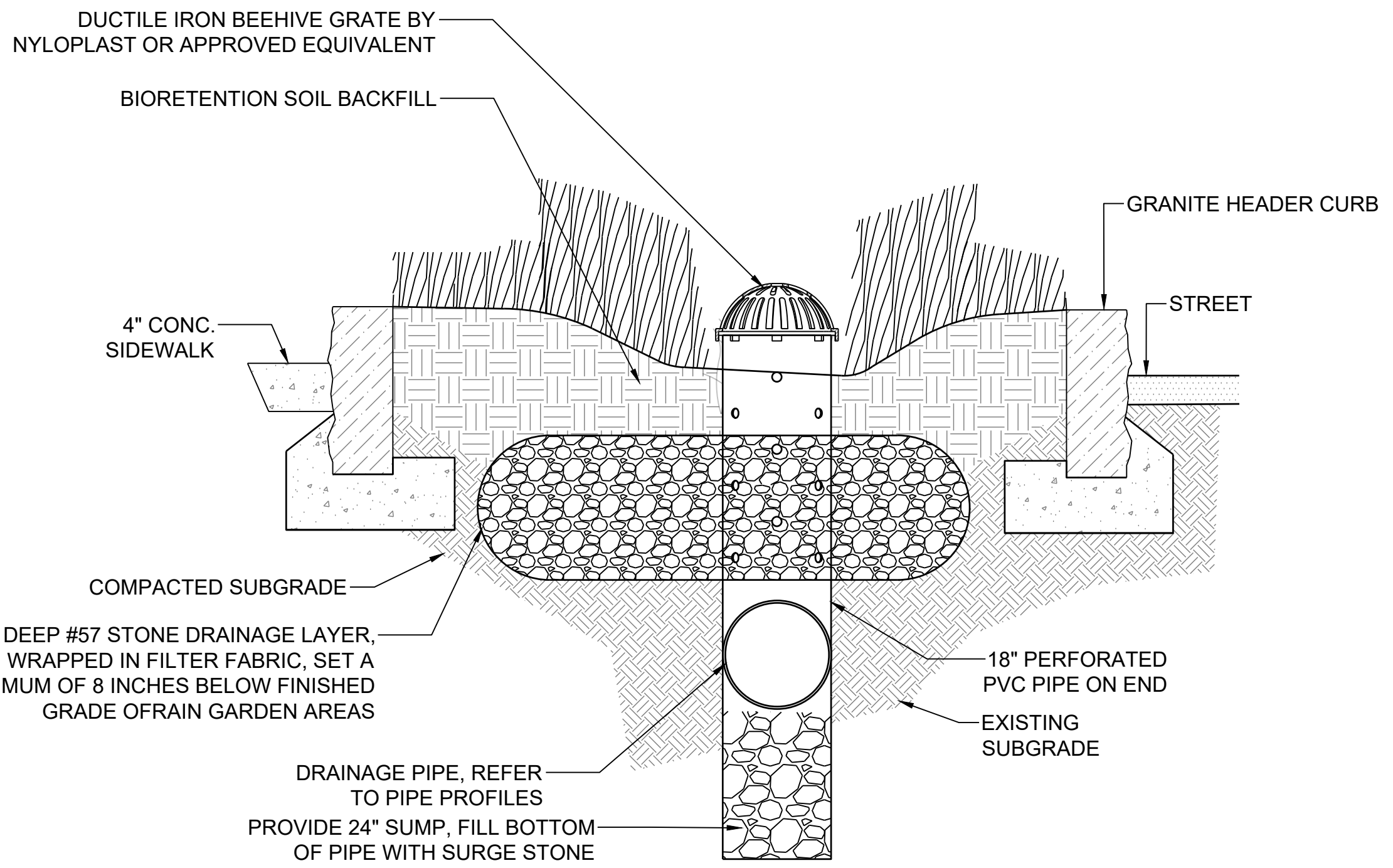
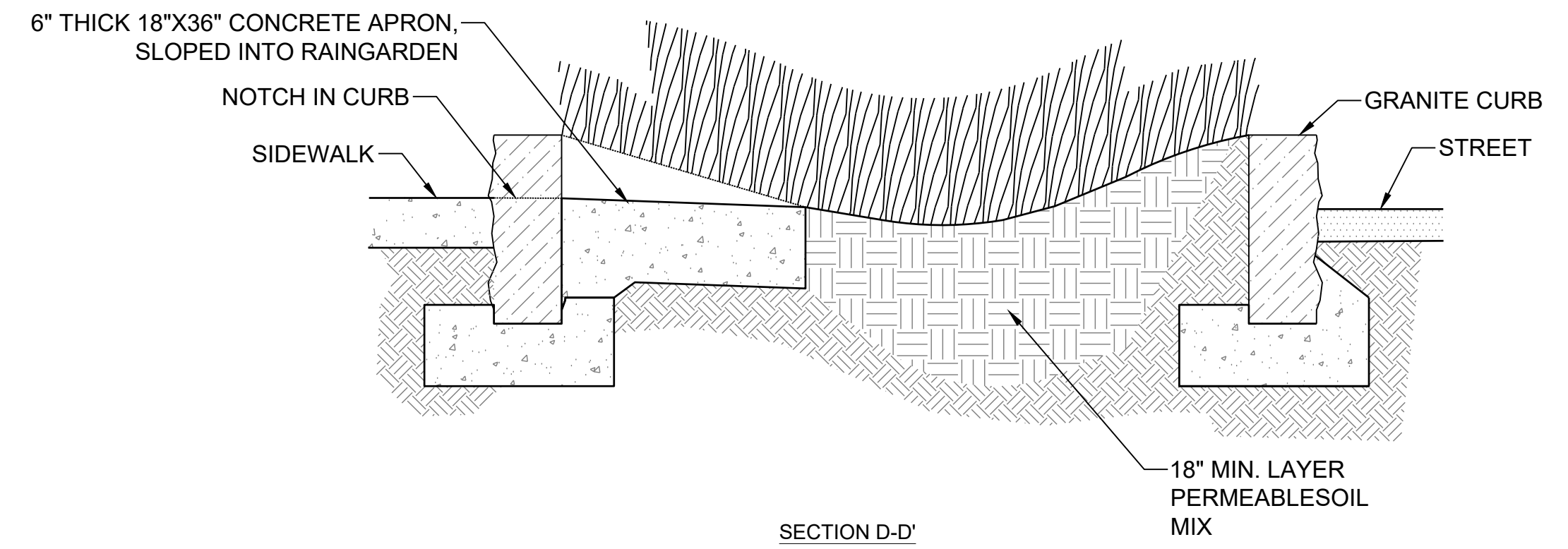
SHEET IDENTIFICATION NUMBER  
38-007

FILE PATH: \\ACPS\SERVER\RESOURCES\PROJECTS\FY18\190715404\CAD\_BIM\04.02\CAD\ROWLAND\_TRAIL\HEAD\08-001.DWG PLOTTED BY: THOMPSON, SYDNEY

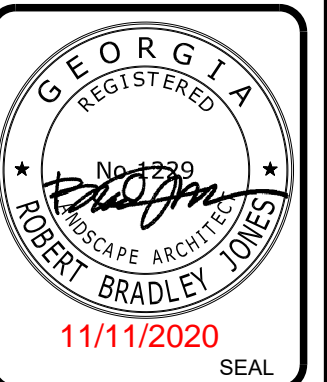
- NOTES:**
- PERMEABLE SOIL SHALL CONSIST OF 50% LANDSCAPE TOPSOIL AND 50% RAIN GARDEN ENGINEERED SOIL SPECIFICATION 9.0 AS SUPPLIED BY ERTH PRODUCTS, LLC, TYRONE, GA, OR APPROVED EQUIVALENT.
  - FILTER FABRIC SHALL CONFORM TO ASTM D-751 (PUNCTURE STRENGTH - 125 LB.), ASTM D-1117 (MULLEN BURST STRENGTH - 400 PSI), AND ASTM D-1682 (TENSILE STRENGTH - 300 LB.) AND SHALL BE 0.08" THICK WITH AN EQUIVALENT OPENING SIZE OF #80 SIEVE AND MUST MAINTAIN 125 GPM PER SQ. FT. FLOW RATE.
  - GRAVEL FOR USE AS BACKFILL SHALL BE CLASSIFIED AASHTO M-43.
  - PERMEABLE SOIL FOR THE RAIN GARDEN AREA SHALL NOT BE PLACED UNTIL CONTRIBUTING DRAINAGE AREAS TO THE RAIN GARDEN HAVE STABILIZED. IF SEDIMENT ACCUMULATES IT MUST BE REMOVED.
  - INSTALLATION OF PERMEABLE SOILS MUST BE COMPLETED IN A MANNER THAT WILL ENSURE PRESERVATION OF THE INFILTRATIVE CAPACITY OF

- THE UNDERLYING SOILS. THE MOISTURE CONTENT OF THE SOIL SHALL BE LOW ENOUGH TO PREVENT CLUMPING AND COMPACTION DURING PLACEMENT. TO PREVENT COMPACTION WITHIN THE LIMITS OF THE BASINS, ONLY HAND LABORERS, SMALL EXCAVATION HOES WITH WIDE TRACKS, LIGHT EQUIPMENT WITH TURF TIES, MARSH EQUIPMENT OR WIDE-TRACK LOADERS MAY BE USED. NO HEAVY EQUIPMENT SHALL BE USED WITHIN THE PERIMETER OF THE RAIN GARDEN BEFORE, DURING, OR AFTER THE PLACEMENT OF THE PERMEABLE SOIL MIX. GROUND PRESSURE SHOULD NOT EXCEED 7 PSI.
- SOIL SURFACES SHALL BE SCARIFIED TO AERATE AND REDUCE SOIL COMPACTION. SOIL SHALL BE PLACED IN 6" LOOSE DEPTH LIFTS AND LIGHTLY HAND-TAMPED OR COMPACTED WITH A WATER-FILLED LANDSCAPE, ROLLER, TO REDUCE POTENTIAL FOR EXCESSIVE SETTLING. NO OTHER MECHANICAL EQUIPMENT SHALL BE USED TO COMPACT THE PERMEABLE SOIL OR UNDERLYING SOILS.
- LOOSEN SUBGRADE SOILS THAT HAVE BEEN

- COMPACTED OR SMEARED BY RAKING, DISKING, OR TILLING TO A MIN. DEPTH OF 6 INCHES. UNIFORMLY GRADE PERMEABLE SOIL MIX TO ACHIEVE A SMOOTH SURFACE. DO NOT OVER-WORK OR EXCESSIVELY COMPACT SOIL MIX. GRADE TO CROSS SECTIONS, THICKNESS AND ELEVATIONS INDICATED ON PLANS. SETTling OF SOIL BY WALKING ON SURFACE, WORKING WITH HAND OR LOW GROUND PRESSURE EQUIPMENT (<7 PSI) IS ACCEPTABLE.
- DURING EXCAVATION, HEAVY MACHINERY SHOULD NOT DRIVE OUR EXPOSED UNDERLYING SOILS.
- EXCAVATE IN DRY CONDITIONS AS OFTEN AS POSSIBLE.
- USED TRACKED VEHICLES.
- EXCAVATE FINAL 9"-12" WITH TEETH OF BUCKET (DO NOT SMEAR)
- SUBSOILS SHALL BE SCARIFIED (NOT COMPACTED) PRIOR TO PLACEMENT OF CLEAN-WASHED AGGREGATE SUBBASE.



**A RAIN GARDEN AXON AND SECTIONS**  
SCALE: NTS



|            |             |
|------------|-------------|
| 11-11-2020 | DATE        |
| APPENDUM 1 | MARK        |
|            | DESCRIPTION |
|            | DATE        |
|            | APPR.       |

|                  |             |                   |              |             |
|------------------|-------------|-------------------|--------------|-------------|
| DESIGNED BY: RBJ | DATE:       | SOLICITATION NO.: | FILE NUMBER: | PILOT DATE: |
| DRAWN BY: GBT    | CAD BY: JMT | CONTRACT NO.:     | 38-001.040   | 11/11/2020  |
| SUBMITTED BY:    |             |                   | PILOT SCALE: | 1:1         |
|                  |             |                   | 22' x 34'    |             |

CITY OF CLARKSTON  
SPLIST PEDESTRIAN PROJECT B & C - ROWLAND TRAIL HEAD DESIGN

**POND**  
3800 Parkway Lane  
30052 SHUTE 506 GA  
Phone: 678.358.7740  
Fax: 678.358.7744

POND PROJECT No. 1180426

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**

CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER  
**38-008**

|                                 |           |             |  |
|---------------------------------|-----------|-------------|--|
| DATE                            | 3/26/2019 | DESCRIPTION |  |
| FOR CONSTRUCTION - CONFORMED TO |           | MARK        |  |
| INCORPORATE ALL ADDENDA         |           | DATE        |  |
|                                 |           | APPR.       |  |

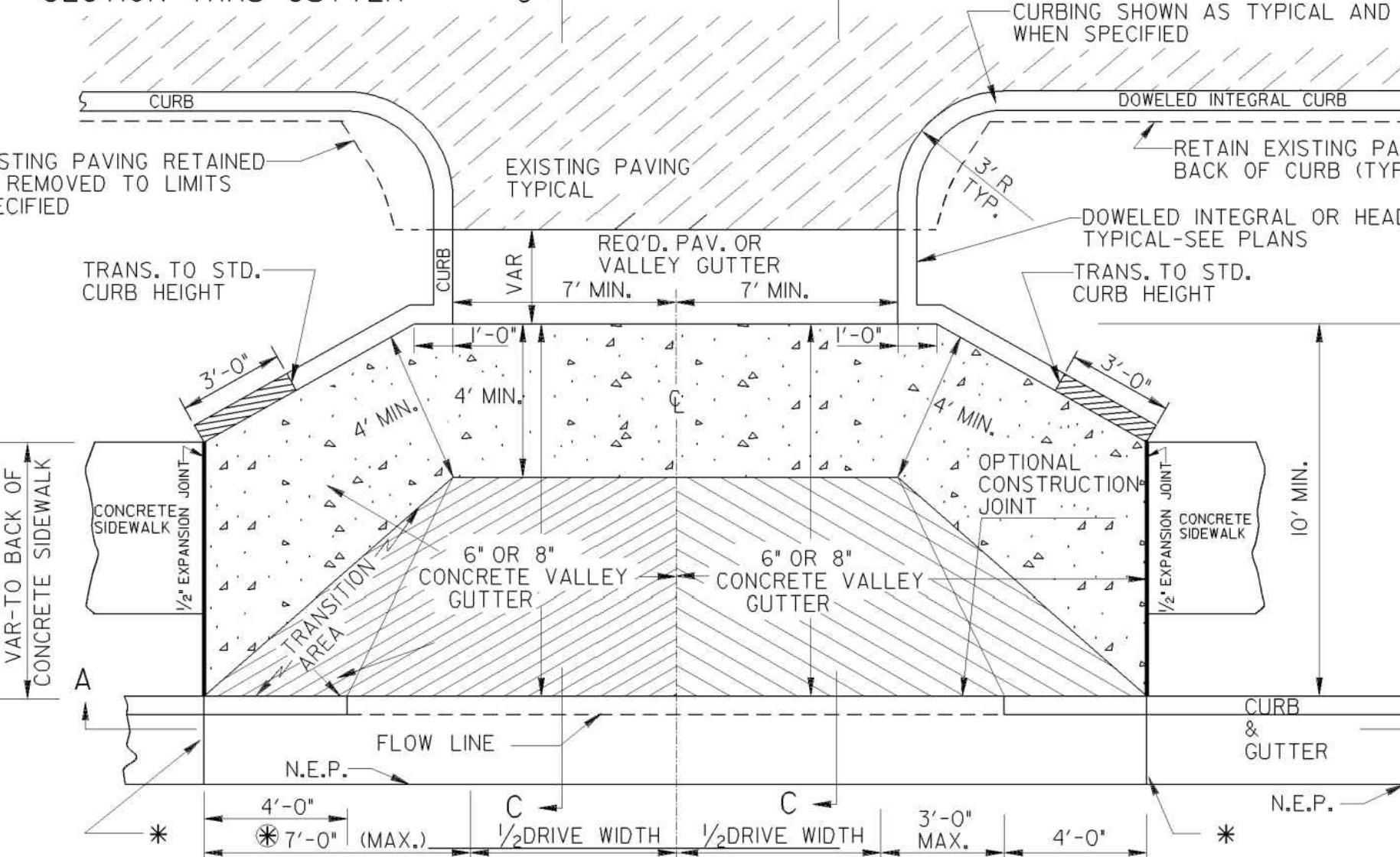
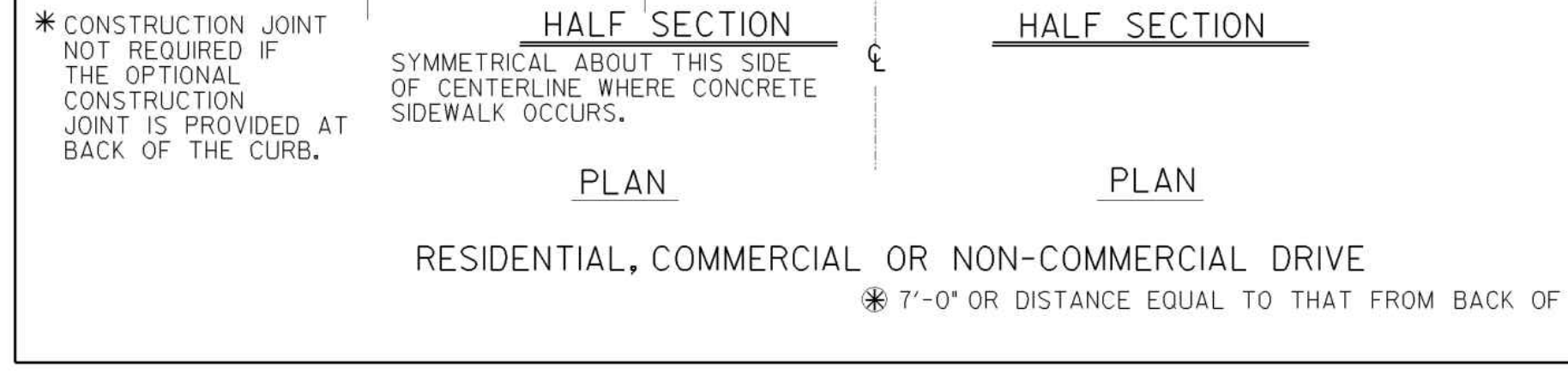
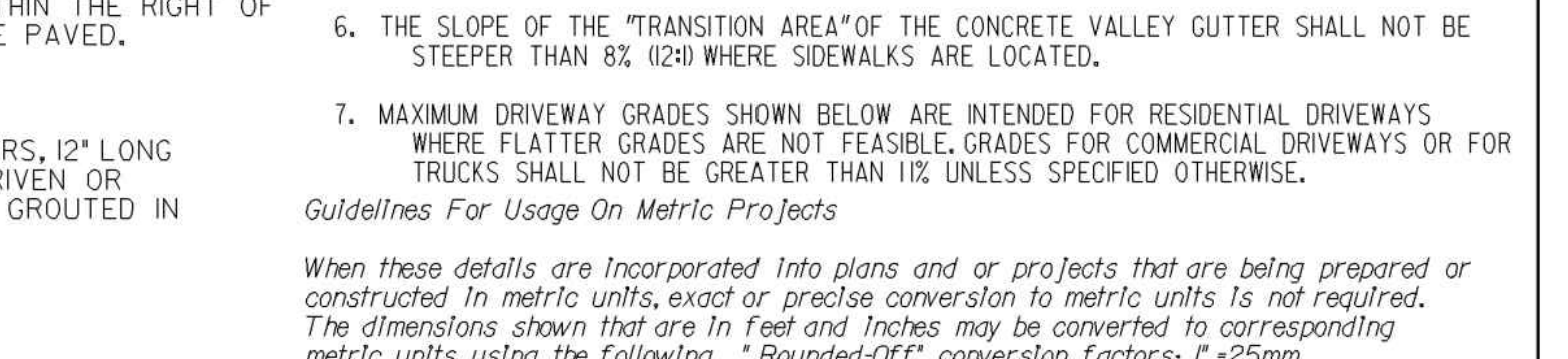
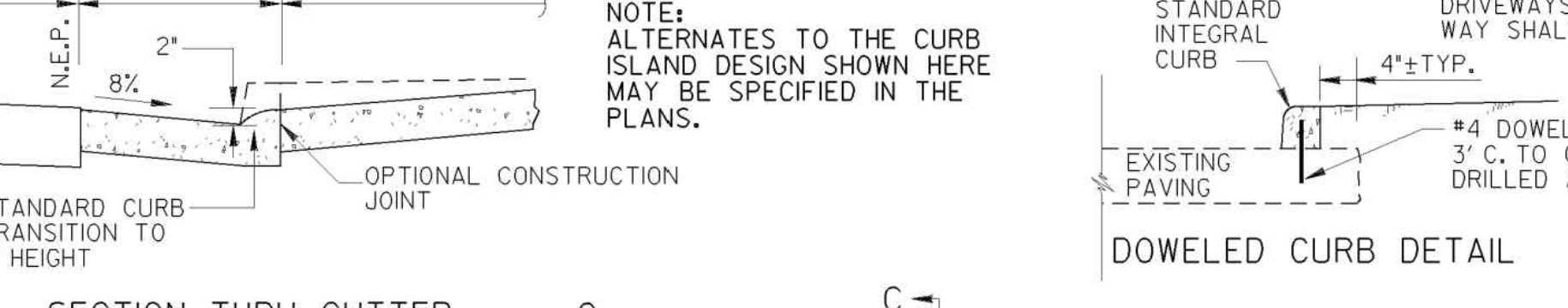
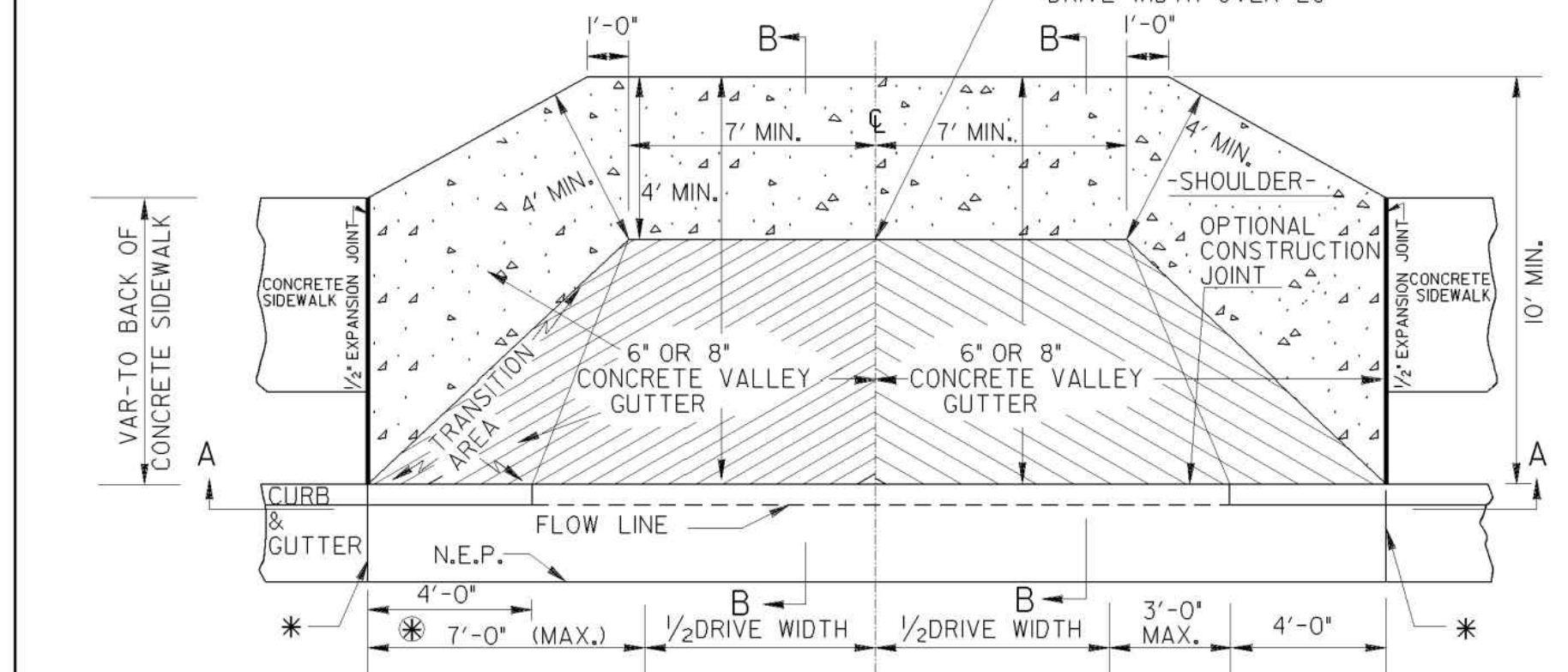
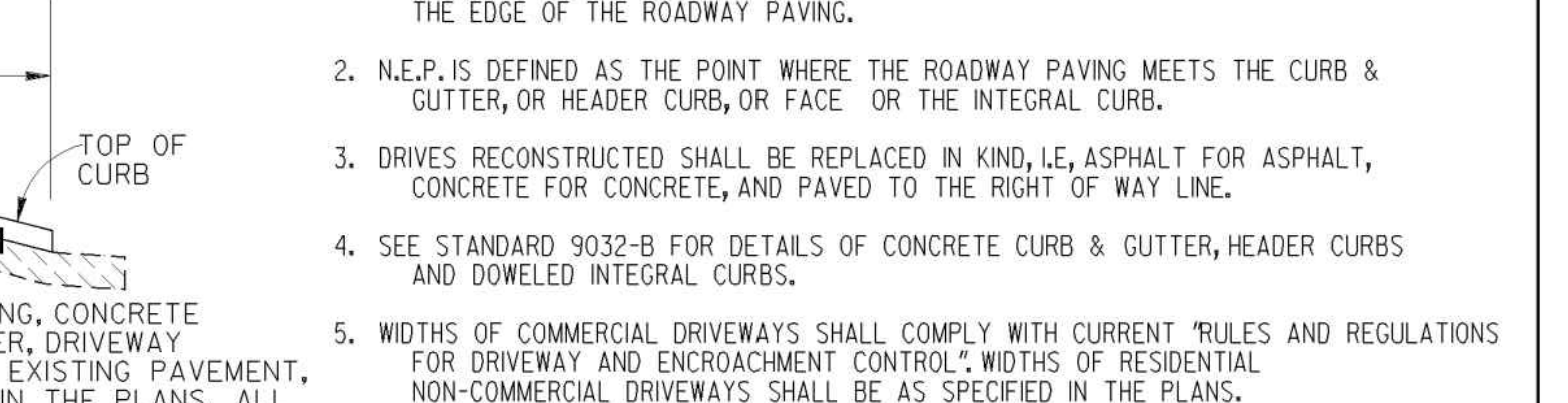
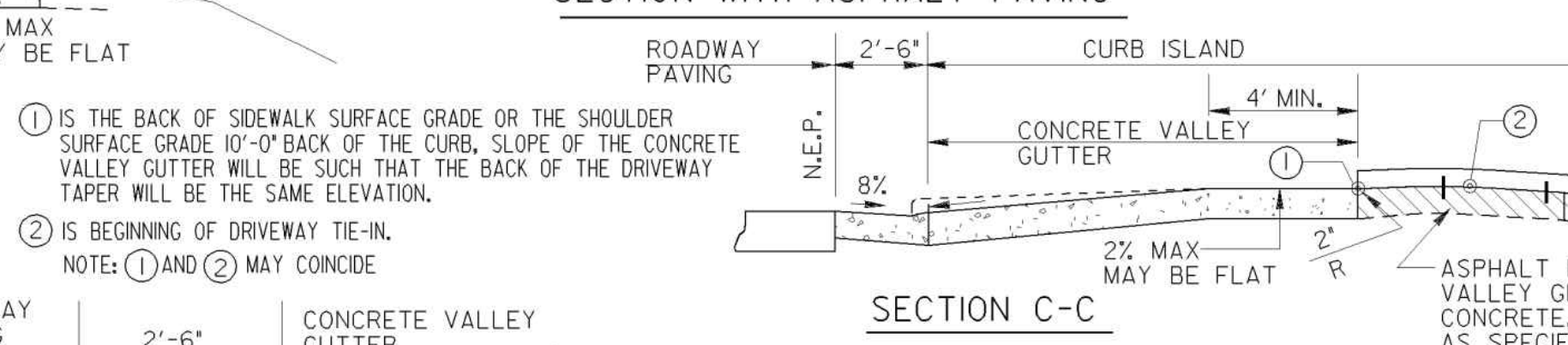
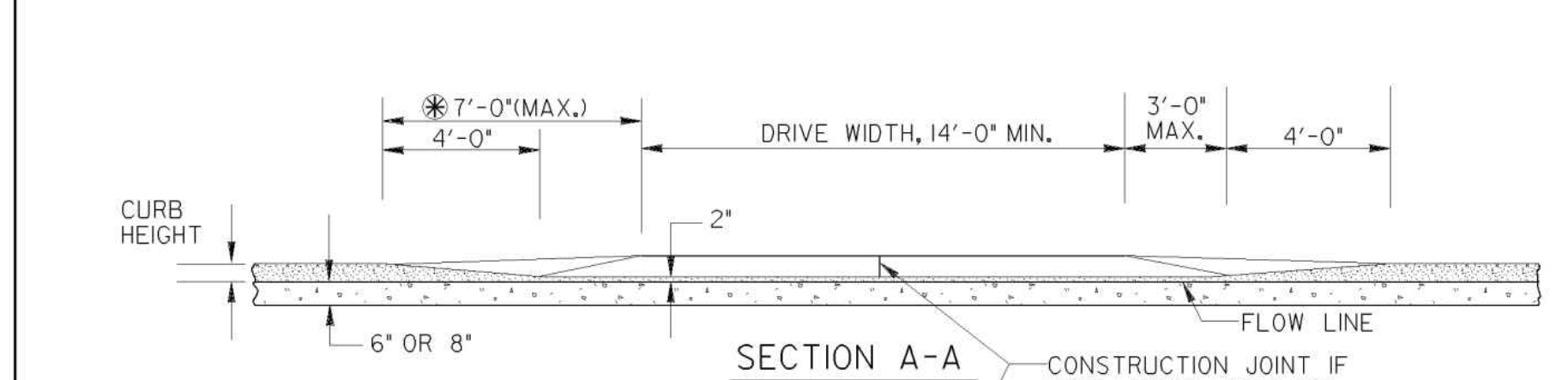
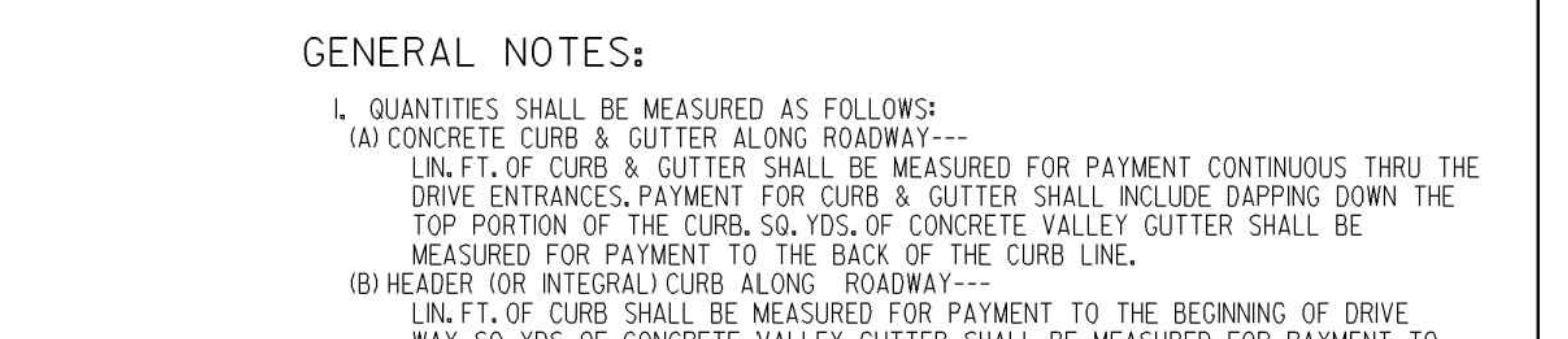
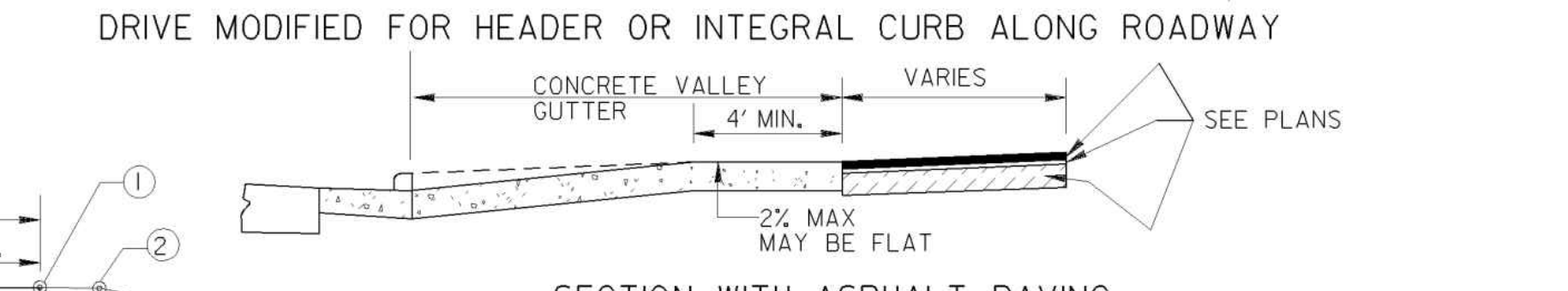
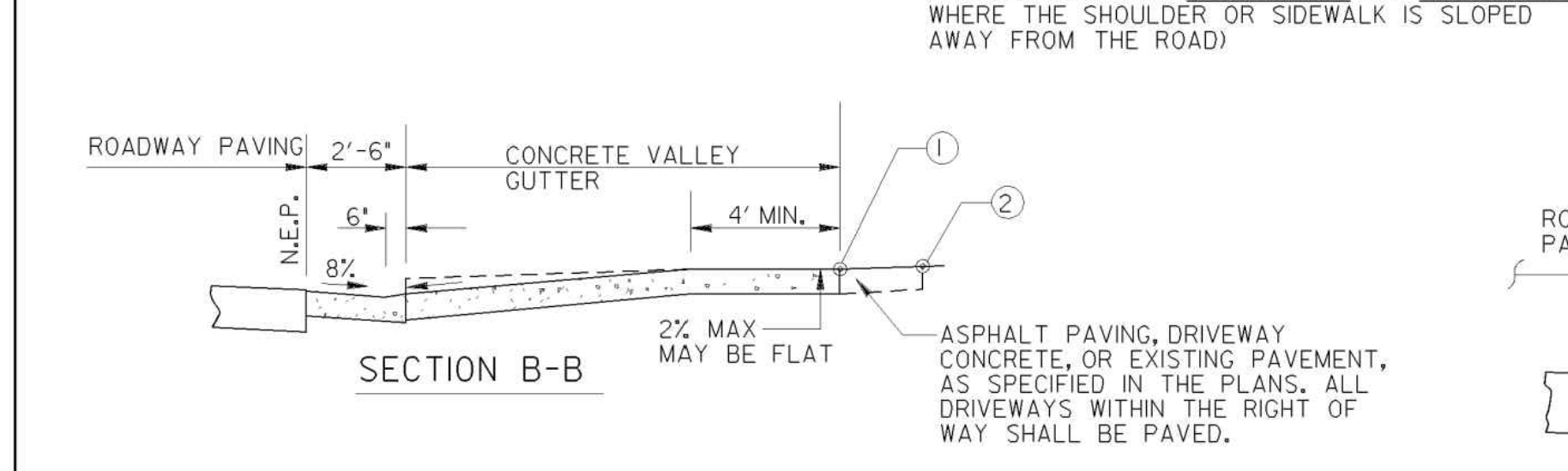
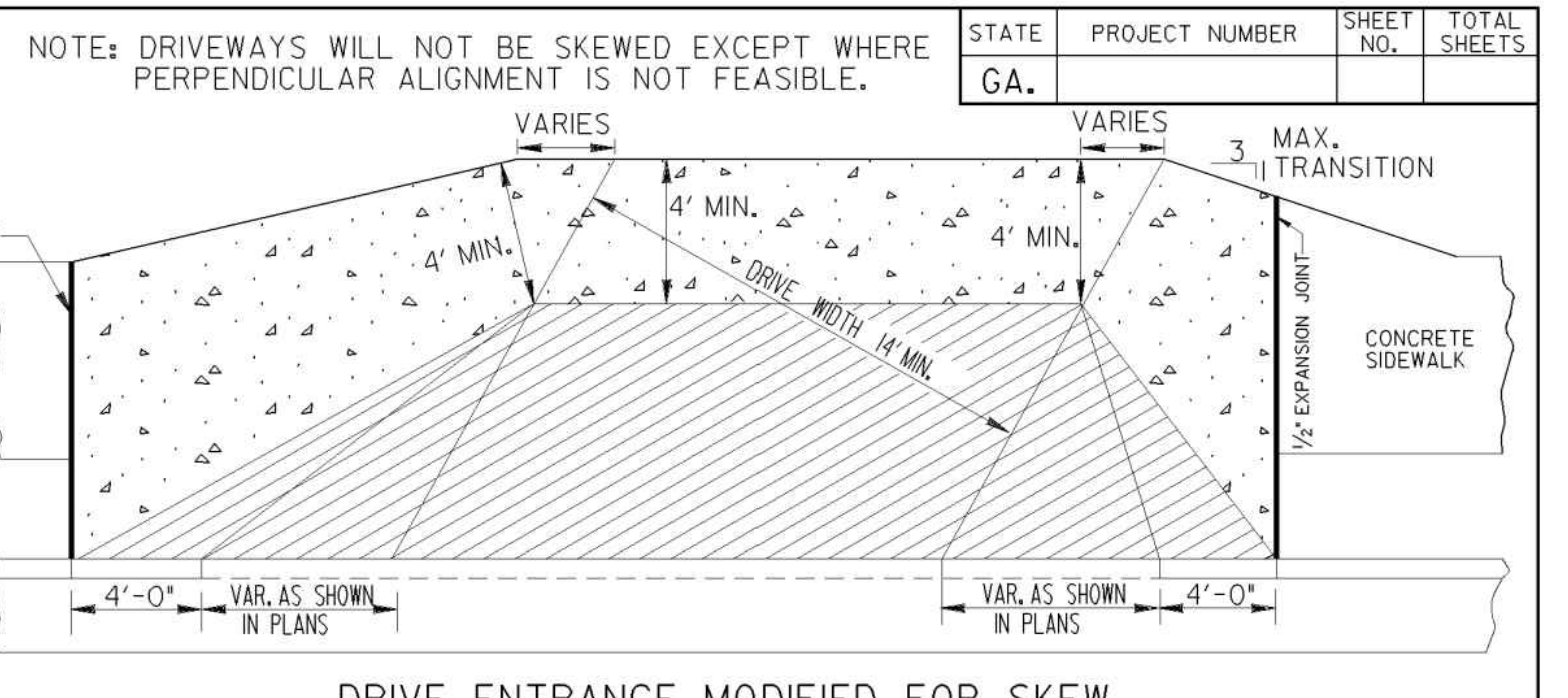
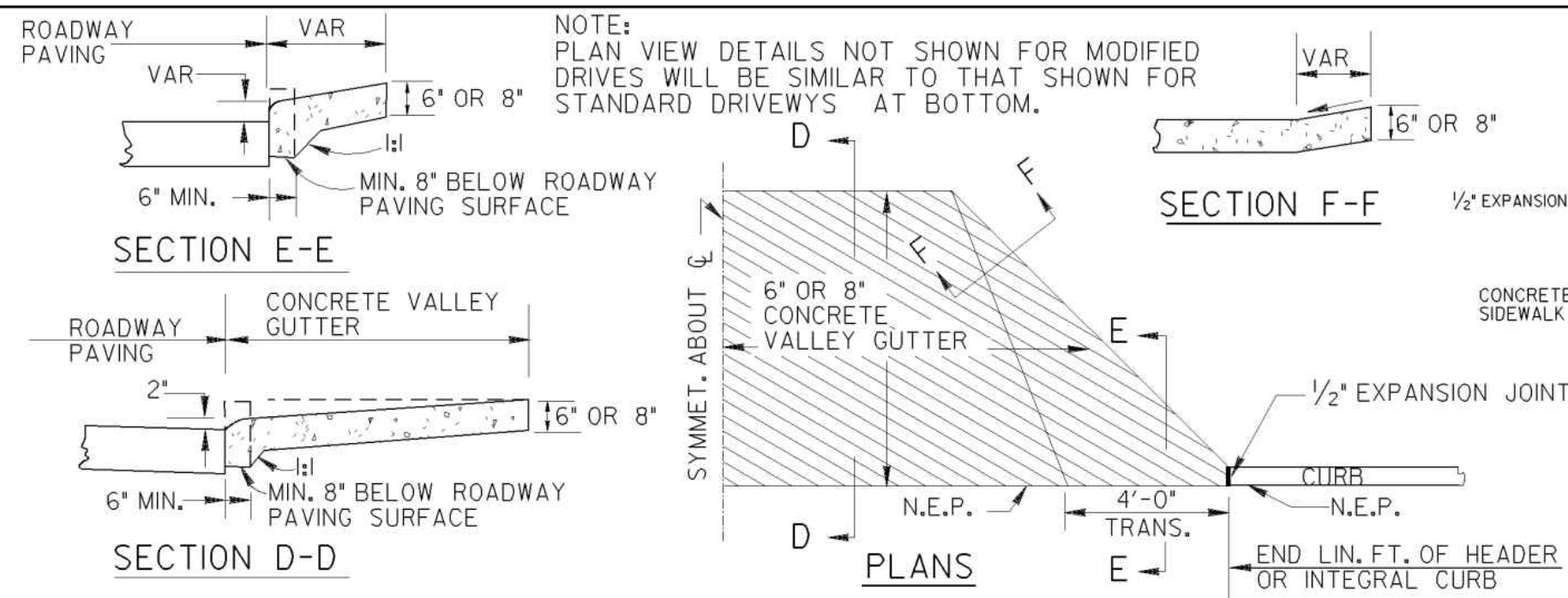
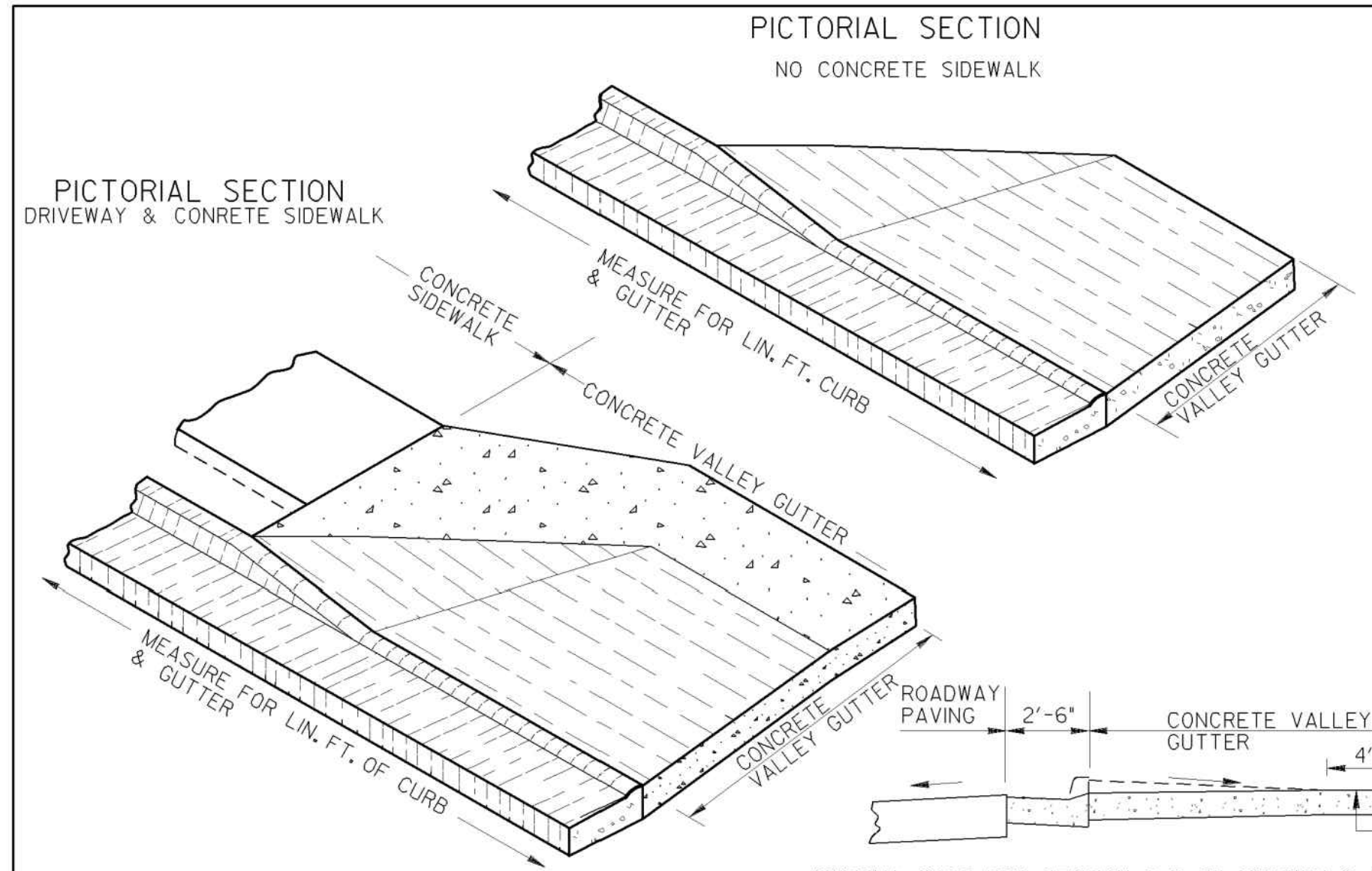
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| DESIGNED BY  | RBJ | DATE             | 2/22/2019  |
| DRAWN BY     | SPT | SOLICITATION NO. | 22222019   |
| CHECKED BY   | TN  | CONTRACT NO.     |            |
| SUBMITTED BY |     | FILE NUMBER      | 40-001     |
|              |     | SIZE             | 22" x 34"  |
|              |     | PLOT SCALE       | 1" = 11'   |
|              |     | PLOT DATE        | 11/11/2020 |

CITY OF CLARKSTON  
SPLOST 4 PEDESTRIAN PROJECT D -  
PONCE/CHURCH SIDEWALK

**POND**  
3000 Parkway Lane  
Clarkston, GA 30009  
Phone 678.387.7740  
Fax 678.387.7744

PONCE/CHURCH SIDEWALKS  
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER  
**40-001**



| V.C. | MAXIMUM GI |        | G1-G2 (MAX. ALGEBRAIC GRADE CHANGE) |       |
|------|------------|--------|-------------------------------------|-------|
|      | CUT        | FILL   | SAG                                 | CREST |
| 5'   | 27%        | 16.67% | 2%                                  | 25%   |
| 10'  | 28%        | 27%    | 2.5%                                | 36%   |

FILE PATH: \\PDSERVER\RESOURCES\PROJECTS\SP1911190154\04\_CAD\_BIM\04.02\_CAD\ROWLAND\_TRAILHEAD\40-001.DWG PLOTTED BY: THOMPSON, SYDNEY

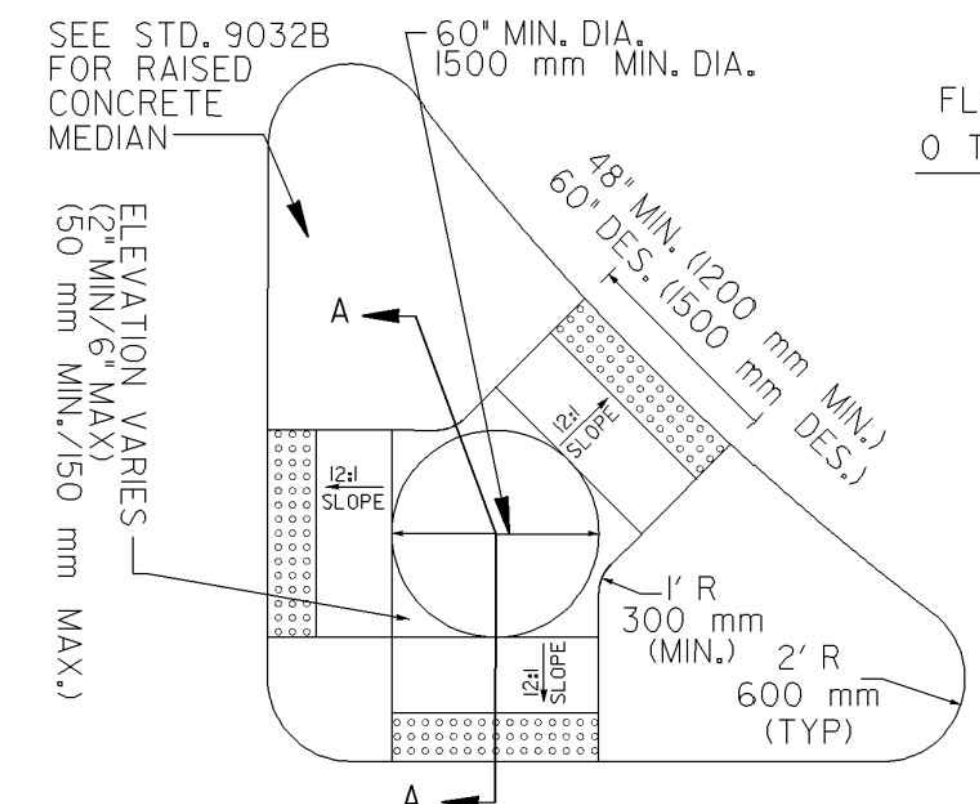
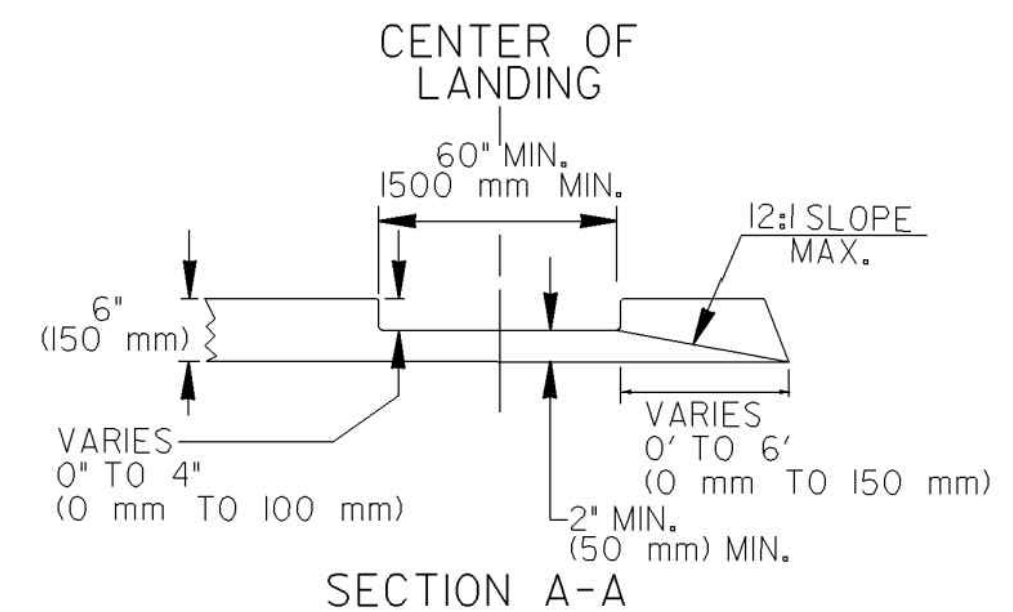




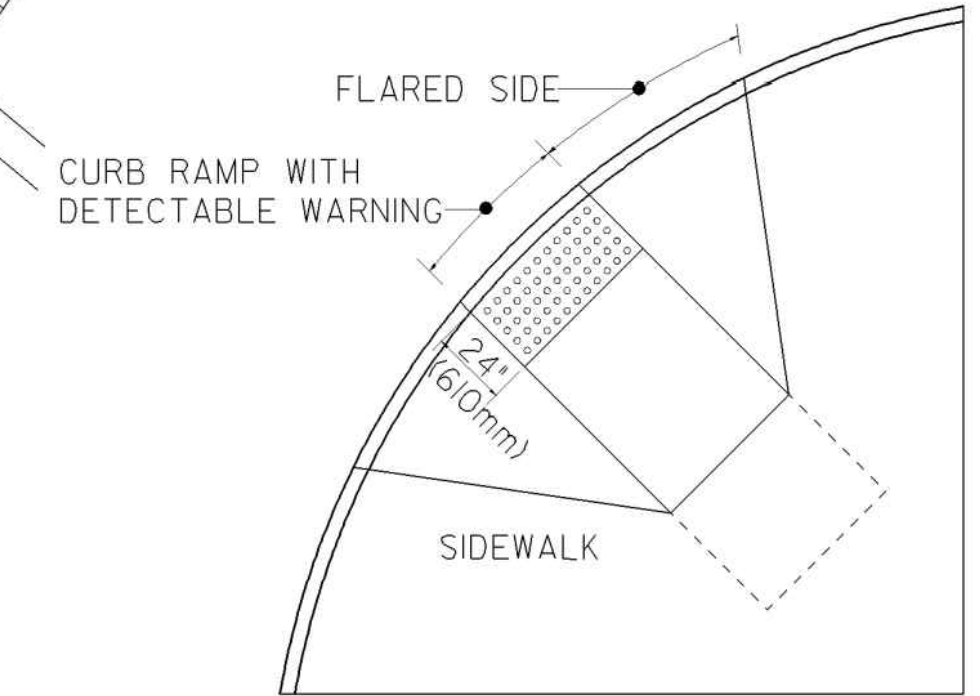
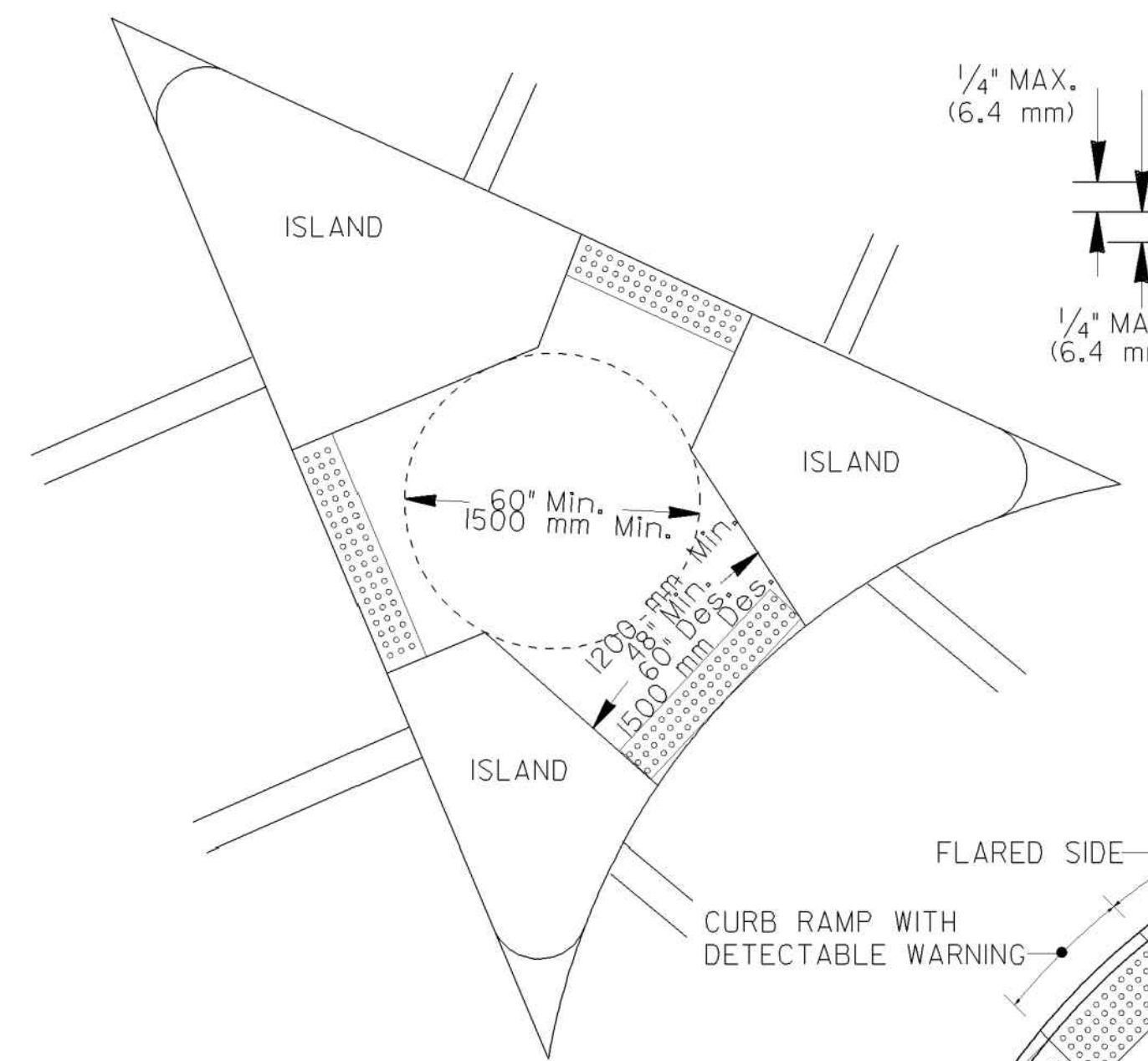
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| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------|----------------|-----------|--------------|
| GA.   |                |           |              |



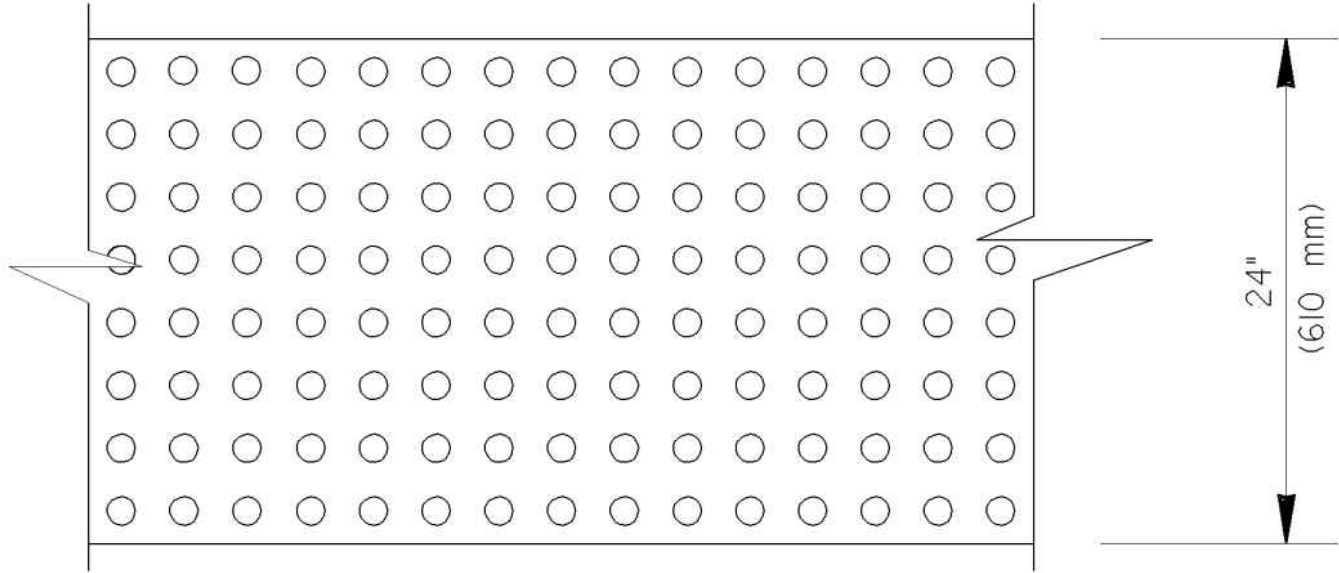
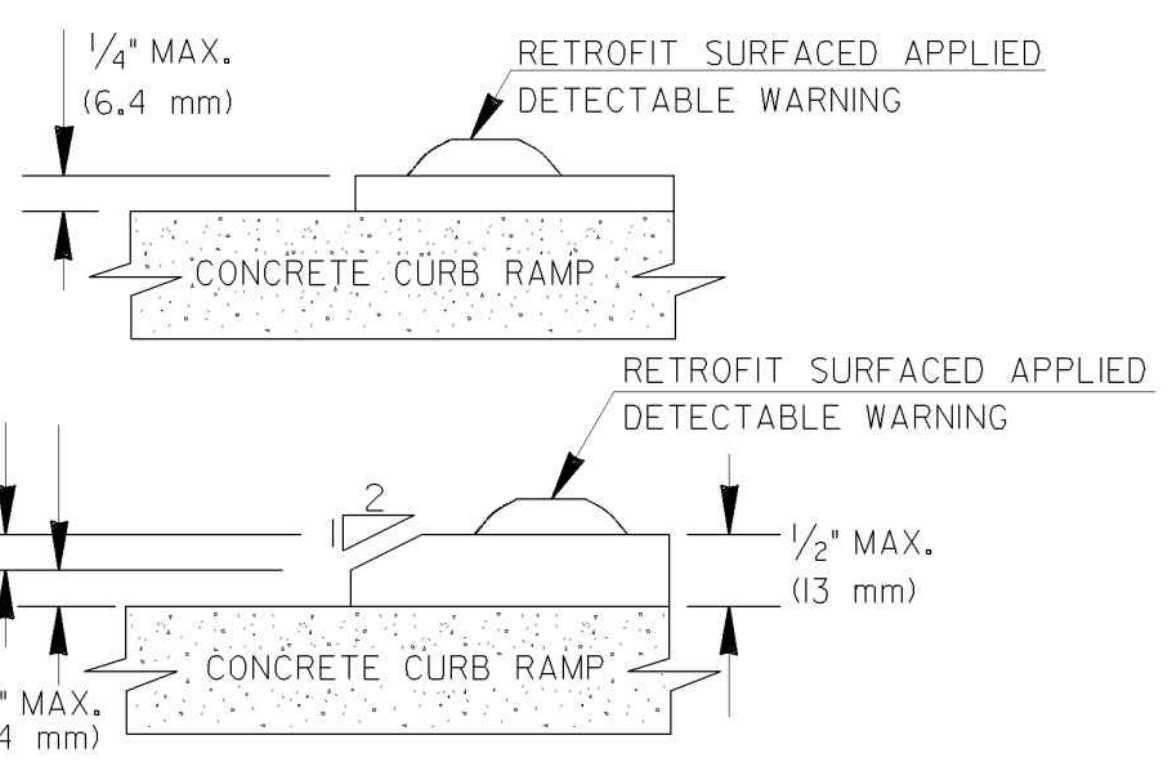
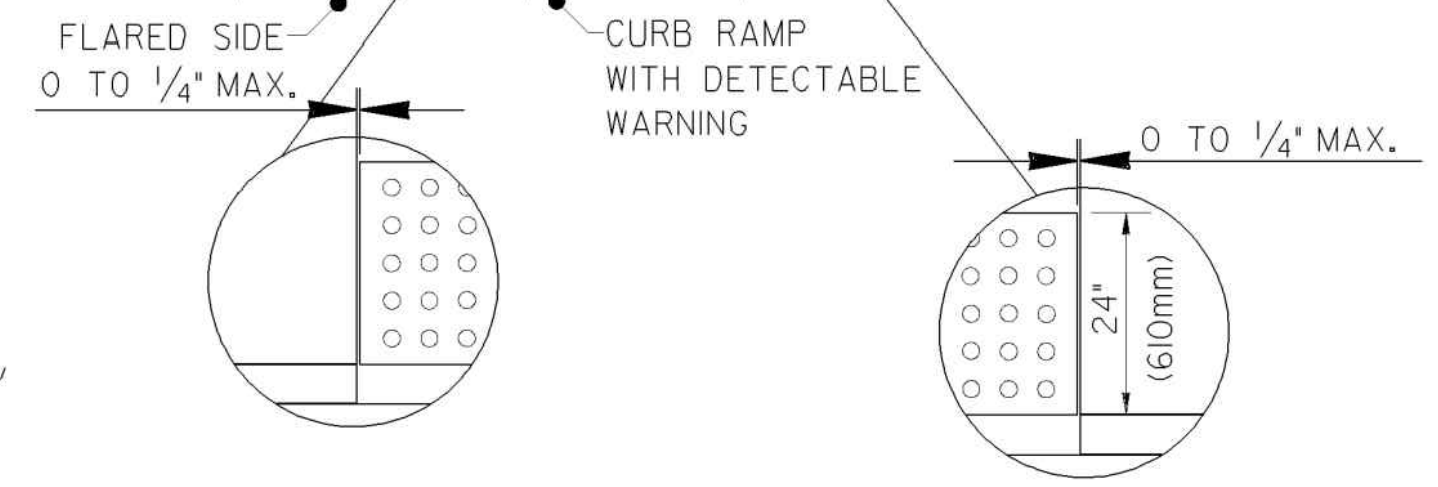
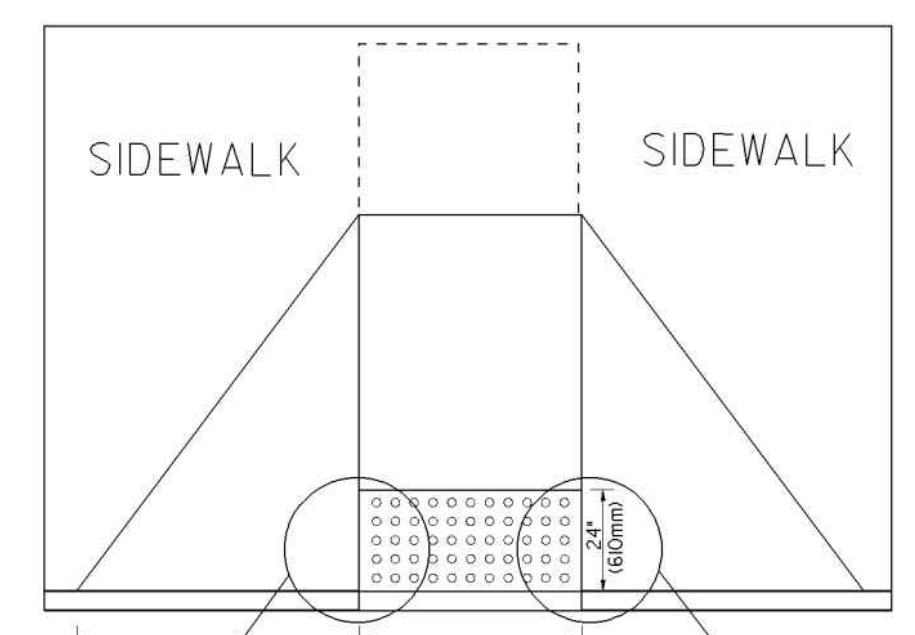
CONCRETE ISLAND WITH ELEVATED CUT THROUGH



DETAIL FOR DETECTABLE WARNING AT CUT-THRU CONCRETE ISLAND

NO SEPARATE PAYMENT WILL BE MADE FOR THE DETECTABLE WARNINGS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK (OR CURB CUT RAMP IF THE ITEM IS INCLUDED IN THE PROPOSAL).

FOR CUT-THRU ISLANDS AND EXISTING RAMPS, WHERE NO SIDEWALK OR CURB CUT RAMPS ARE IN THE PROPOSAL, THE COST OF THE DETECTABLE WARNINGS SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED.



SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRAIN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.  
 LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD, SUCH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

DOME SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH TO 1.4 INCH (23mm-36mm) AT THE BOTTOM, A DIAMETER OF 0.45 INCH TO 0.9 INCH (11mm-23mm) AT THE TOP, THE TOP DIAMETER SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMETER, A HEIGHT OF 0.2 INCH (5.1mm) AND A CENTER-TO-CENTER SPACING OF 2.40 INCHES (61mm) DESIRABLE 1.60 INCHES (41mm) MINIMUM MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT. DOMES SHALL HAVE A SQUARE ARRANGEMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.

MATERIALS:  
 NEW CONSTRUCTION  
 THE DETECTABLE WARNINGS SHALL BE MADE OF MATERIALS SPECIFIED ON OPL 87.

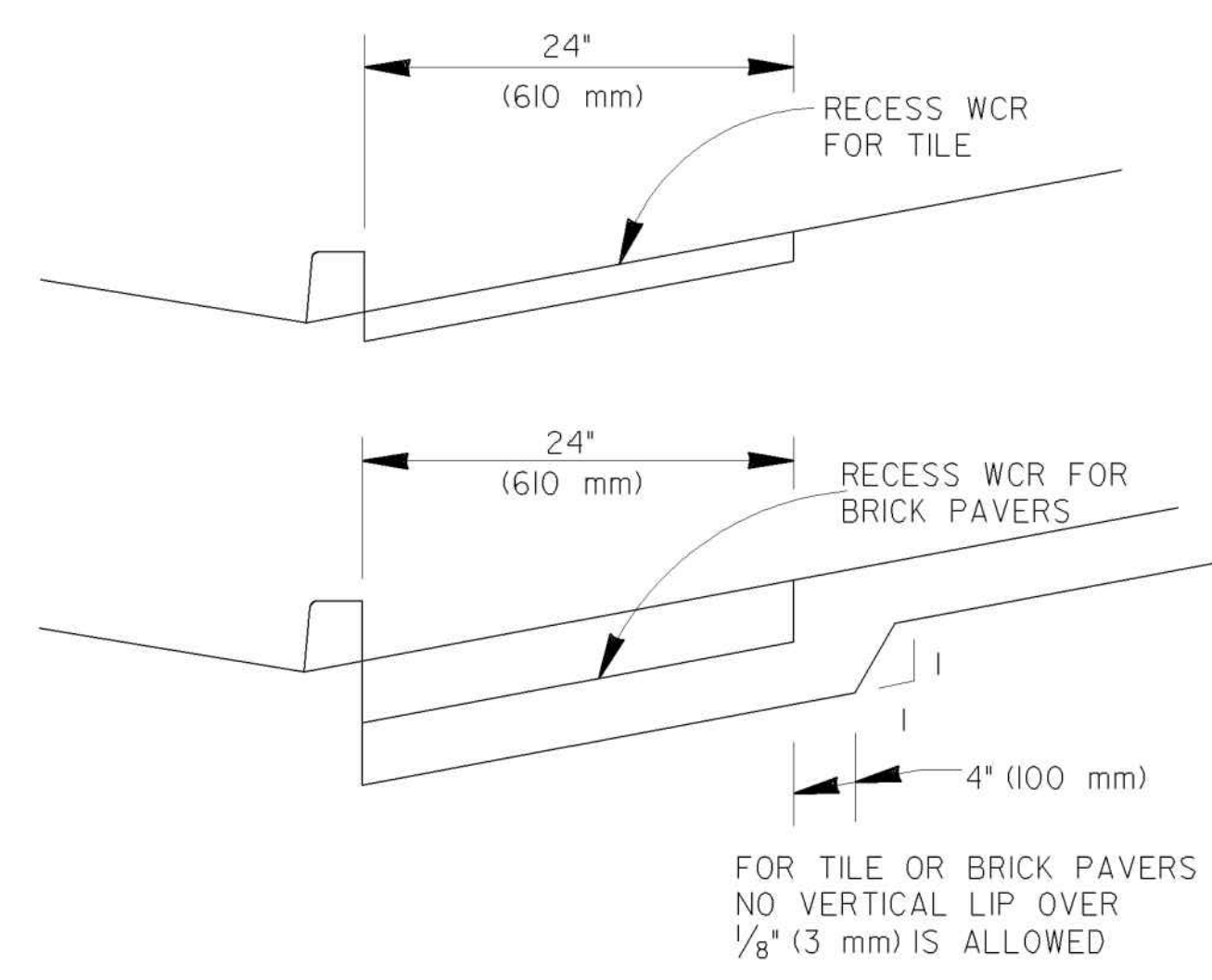
RETIROFIT OF EXISTING RAMPS  
 SURFACED APPLIED MATERIALS WILL ONLY BE APPROVED TO BE USED ON EXISTING WHEELCHAIR RAMPS.

INSTALLATION:  
 BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4" THICK.

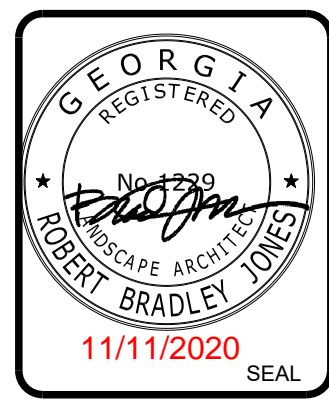
CERAMIC TILE SHALL BE EPOXIED IN PLACE OR SET IN A WET MORTAR BED. MANUFACTURER RECOMMEND ADHESIVE OR FASTENER SHALL BE USED IN THE INSTALLATION.

ALL OTHER MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS DETAILS OR INSTRUCTION.

- GENERAL NOTES:
- RETIROFIT SURFACED APPLIED MATERIALS ONLY:  
 1. CHANGES IN LEVEL OF 1/4" (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED VERTICALLY ON SURFACED APPLIED MATERIALS.
  2. CHANGES IN LEVEL BETWEEN 1/4" (6.4 mm) HIGH MINIMUM AND 1/2" (13mm) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 2:1.



|                         |  |                              |  |
|-------------------------|--|------------------------------|--|
| 6-18-09                 |  | DEPARTMENT OF TRANSPORTATION |  |
| ADDED RETROFIT DETAIL   |  | STATE OF GEORGIA             |  |
| AND ADDED ALT. RAMP     |  | SPECIAL DETAIL               |  |
| DETAIL AND GEN. NOTES   |  | DETECTABLE WARNING SURFACE   |  |
| ADDED TOLERANCE TO DTL. |  | TRUNCATED DOME SIZE, SPACING |  |
| REVISED/TUNCACTED DOMES |  | AND ALIGNMENT REQUIREMENTS   |  |
| AND NOTES.              |  | NO SCALE                     |  |
| REVISED                 |  | MARCH 12, 2002               |  |
| REVISED                 |  |                              |  |
| BY                      |  | NUMBER                       |  |
|                         |  | A4                           |  |



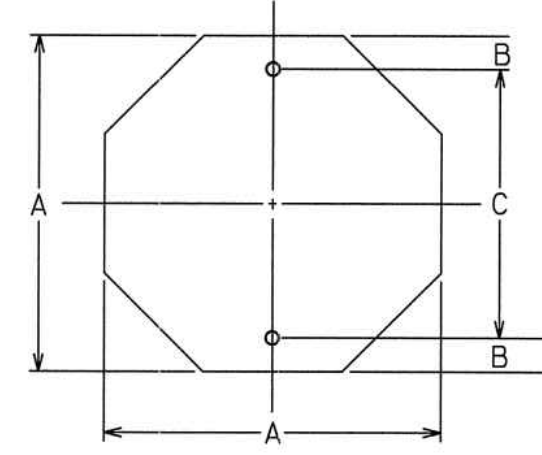
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| DESIGNED BY: RBJ      | DATE: 2/22/2019      | FOR CONSTRUCTION - CONFORMED TO INCORPORATE ALL ADDENDA | 3/26/2019 | APPR.       |
| DWN BY: SPT           | CHK BY: TN           | SOLICITATION NO.:                                       |           | DATE        |
| SUBMITTED BY:         | FILE NAME:           | CONTRACT NO.:   |           | MARK        |
| FILE NAME: 40-001.dwg | FILE NUMBER:         | FILE NUMBER:  |           | DESCRIPTION |
| SIZE: 22" x 34"       | PLOT SCALE: 1" = 11' | PLOT DATE: 11/11/2020                                   |           |             |

|  |                       |                      |  |
|--|-----------------------|----------------------|--|
| CITY OF CLARKSTON                                    | DATE: 2/22/2019       | SOLICITATION NO.:    |  |
| SPLIT 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK | CHK BY: TN            | CONTRACT NO.:        |  |
|  | FILE NAME:            | FILE NUMBER:         |  |
|  | FILE NAME: 40-001.dwg | FILE NUMBER:         |  |
|  | SIZE: 22" x 34"       | PLOT SCALE: 1" = 11' |  |

**POND**  
 3000 Parkway Lane GA  
 30066 SUITE 500  
 Phone 678.387.7740  
 Fax 678.387.7744

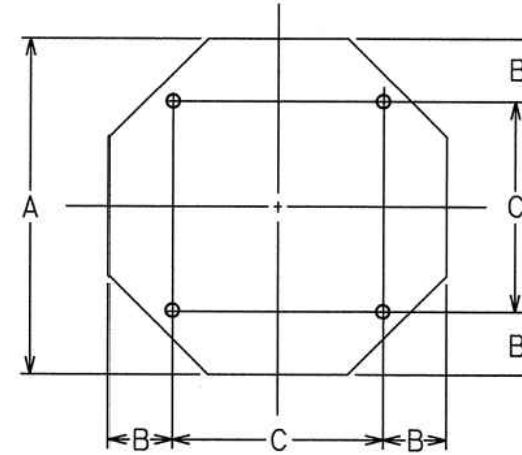
**PONCE/CHURCH SIDEWALKS**  
 CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER  
**40-003**

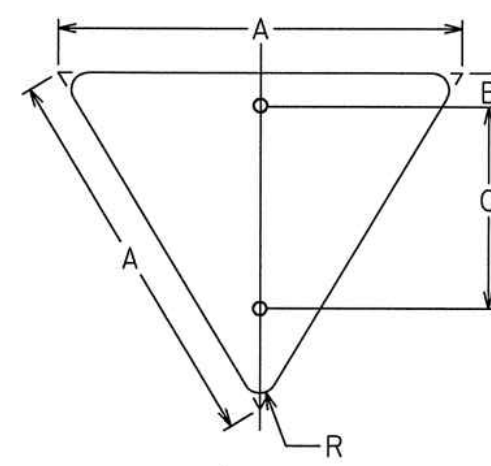


OCTAGON

| A  | B | C  |
|----|---|----|
| 24 | 3 | 18 |
| 30 | 3 | 24 |
| 36 | 3 | 30 |

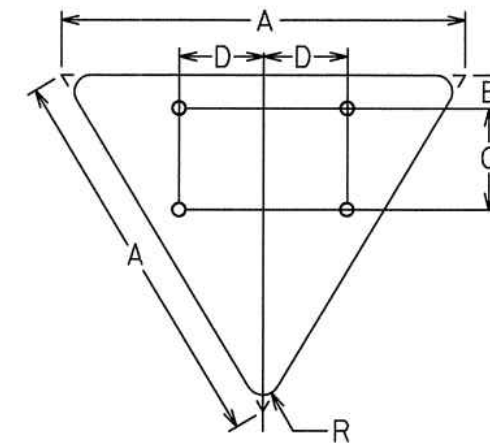


| A  | B | C  |
|----|---|----|
| 48 | 9 | 30 |

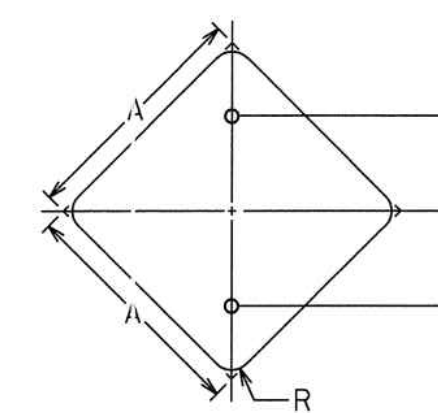


EQUILATERAL TRIANGLE

| A  | B | C  | R     |
|----|---|----|-------|
| 30 | 3 | 18 | 1 1/2 |
| 36 | 3 | 21 | 2     |
| 48 | 3 | 27 | 3     |

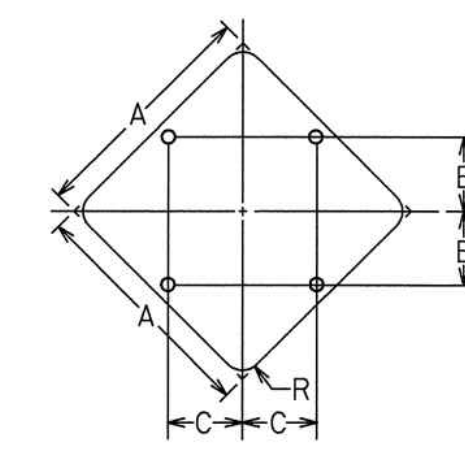


| A  | B | C  | D  | R |
|----|---|----|----|---|
| 60 | 3 | 18 | 15 | 3 |



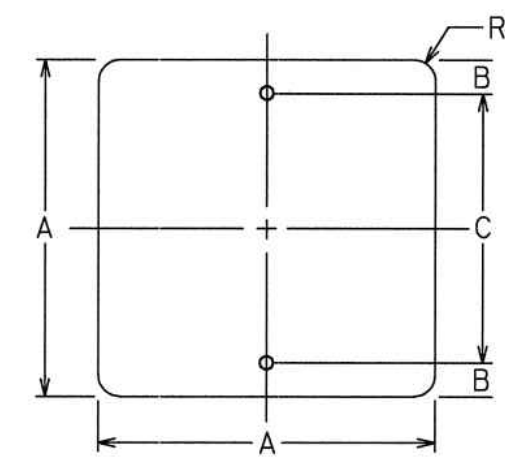
DIAMOND

| A  | B  | R     |
|----|----|-------|
| 24 | 12 | 1 1/2 |
| 30 | 15 | 1 7/8 |
| 36 | 18 | 2 1/4 |



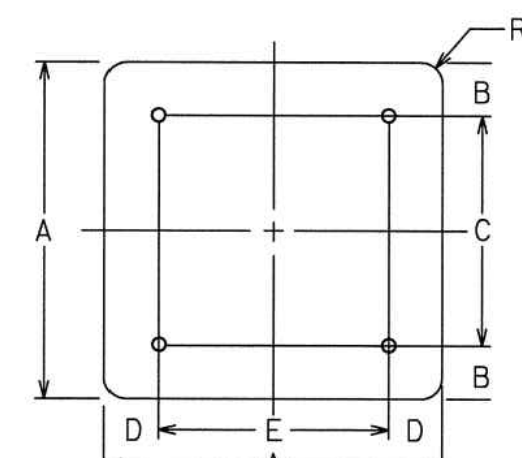
| A  | B  | C  | R     |
|----|----|----|-------|
| 36 | 10 | 10 | 2 1/4 |
| 48 | 15 | 15 | 3     |
| 60 | 18 | 18 | 3 3/4 |

\* FOR TWO POST ERECTION

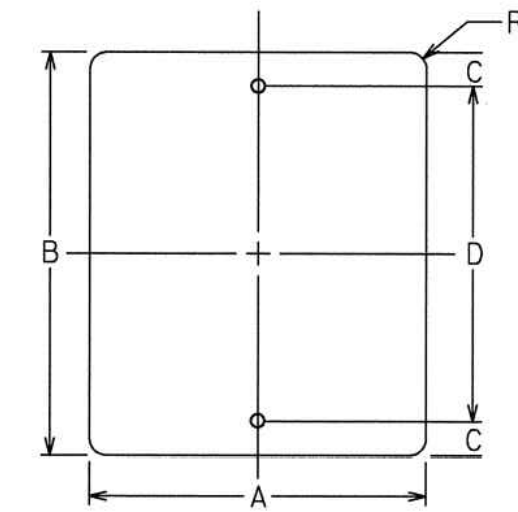


SQUARE

| A  | B | C  | R     |
|----|---|----|-------|
| 18 | 3 | 12 | 1 1/2 |
| 24 | 3 | 18 | 1 1/2 |
| 30 | 3 | 24 | 1 7/8 |

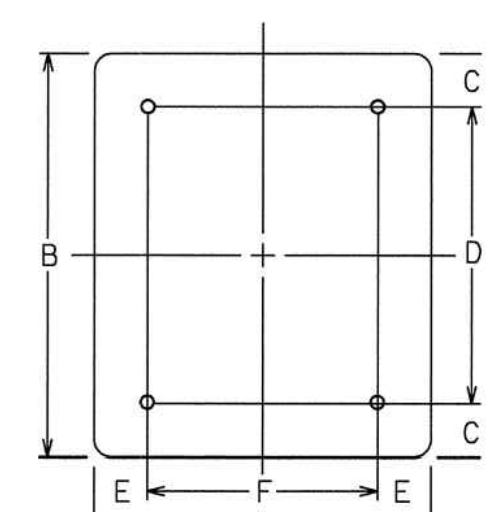


| A  | B | C  | D | E  | R     |
|----|---|----|---|----|-------|
| 36 | 6 | 24 | 6 | 24 | 2 1/4 |
| 48 | 6 | 36 | 6 | 36 | 3     |

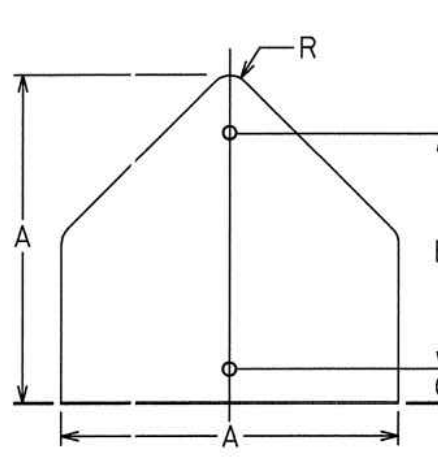


VERTICAL RECTANGLE

| A  | B  | C     | D  | R     |
|----|----|-------|----|-------|
| 12 | 18 | 1 1/2 | 15 | 1 1/2 |
| 18 | 24 | 3     | 18 | 1 1/2 |
| 24 | 30 | 3     | 24 | 1 1/2 |
| 30 | 36 | 3     | 30 | 1 7/8 |

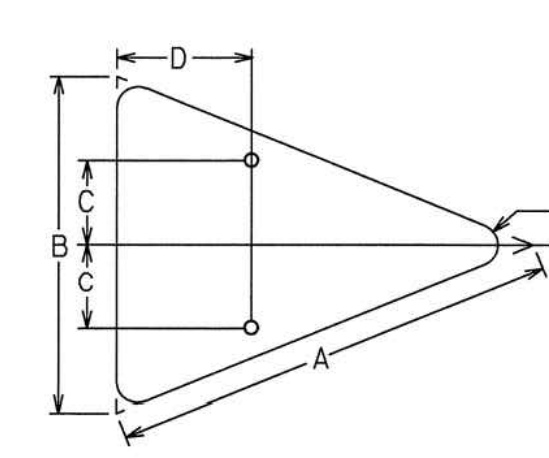


| A  | B  | C | D  | E | F  | R     |
|----|----|---|----|---|----|-------|
| 36 | 48 | 6 | 36 | 6 | 24 | 2 1/4 |
| 48 | 60 | 6 | 48 | 9 | 30 | 3     |



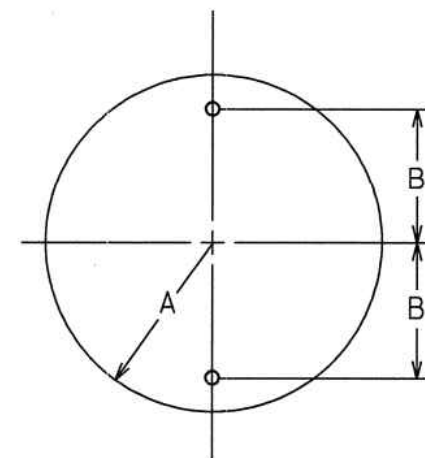
PENTAGON

| A  | B  | C | R     |
|----|----|---|-------|
| 30 | 21 | 3 | 1 7/8 |
| 36 | 24 | 3 | 2 1/4 |



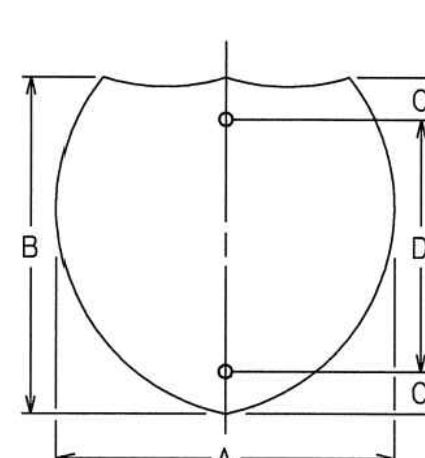
ISOSCELES TRIANGLE

| A  | B  | C     | D  | R     |
|----|----|-------|----|-------|
| 40 | 30 | 7 1/2 | 12 | 1 7/8 |
| 48 | 36 | 9     | 15 | 2 1/4 |



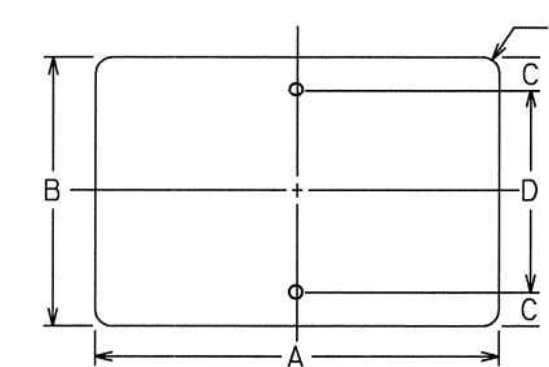
CIRCLE

| A  | B  |
|----|----|
| 15 | 12 |
| 18 | 15 |



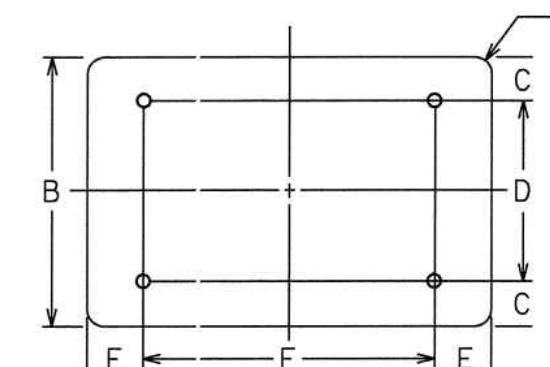
INTERSTATE SHIELD

| A  | B  | C | D  |
|----|----|---|----|
| 24 | 24 | 3 | 18 |
| 30 | 24 | 3 | 18 |
| 36 | 36 | 6 | 24 |
| 45 | 36 | 6 | 24 |



HORIZONTAL RECTANGLE

| A  | B  | C     | D  | R     |
|----|----|-------|----|-------|
| 21 | 15 | 1 1/2 | 12 | 1 1/2 |
| 24 | 12 | 1 1/2 | 9  | 1 1/2 |
| 24 | 18 | 3     | 12 | 1 1/2 |
| 30 | 15 | 1 1/2 | 12 | 1 1/2 |
| 30 | 24 | 3     | 18 | 1 1/2 |
| 36 | 12 | 1 1/2 | 9  | 1 1/2 |
| 36 | 24 | 3     | 18 | 1 1/2 |
| 48 | 12 | 1 1/2 | 9  | 1 1/2 |
| 48 | 24 | 3     | 18 | 1 7/8 |



| A  | B  | C | D  | E  | F  | R     |
|----|----|---|----|----|----|-------|
| 48 | 36 | 6 | 24 | 9  | 30 | 2 1/4 |
| 60 | 24 | 3 | 18 | 12 | 36 | 1 1/2 |
| 60 | 36 | 6 | 24 | 12 | 36 | 2 1/4 |

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------|----------------|-----------|--------------|
| GA.   |                |           |              |



| DATE      | APPR. |
|-----------|-------|
| 3/26/2019 |       |

| DESIGNED BY: | DATE:     | SOLICITATION NO.: | CONTRACT NO.: | FILE NUMBER: | PLOT DATE: |
|--------------|-----------|-------------------|---------------|--------------|------------|
| RBJ          | 2/22/2019 | 2222219           |               | 40-001.DWG   | 11/11/2020 |

CITY OF CLARKSTON  
SPLOST 4 PEDESTRIAN PROJECT D -  
PONCE/CHURCH SIDEWALK

3000 Parkway Lane  
Clarkston, GA 30009  
Phone 678.398.7740  
Fax 678.398.7744

**POND**  
POND PROJECT No. 1190154

**PONCE/CHURCH SIDEWALKS**

**CONSTRUCTION DETAILS**

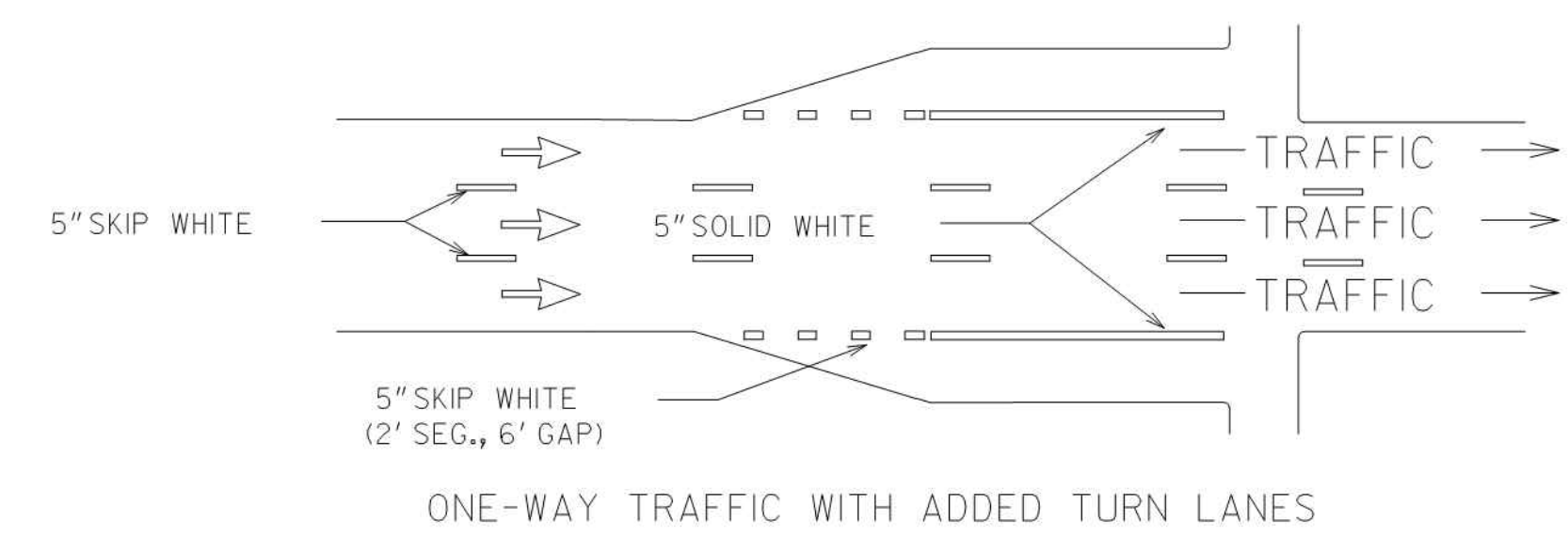
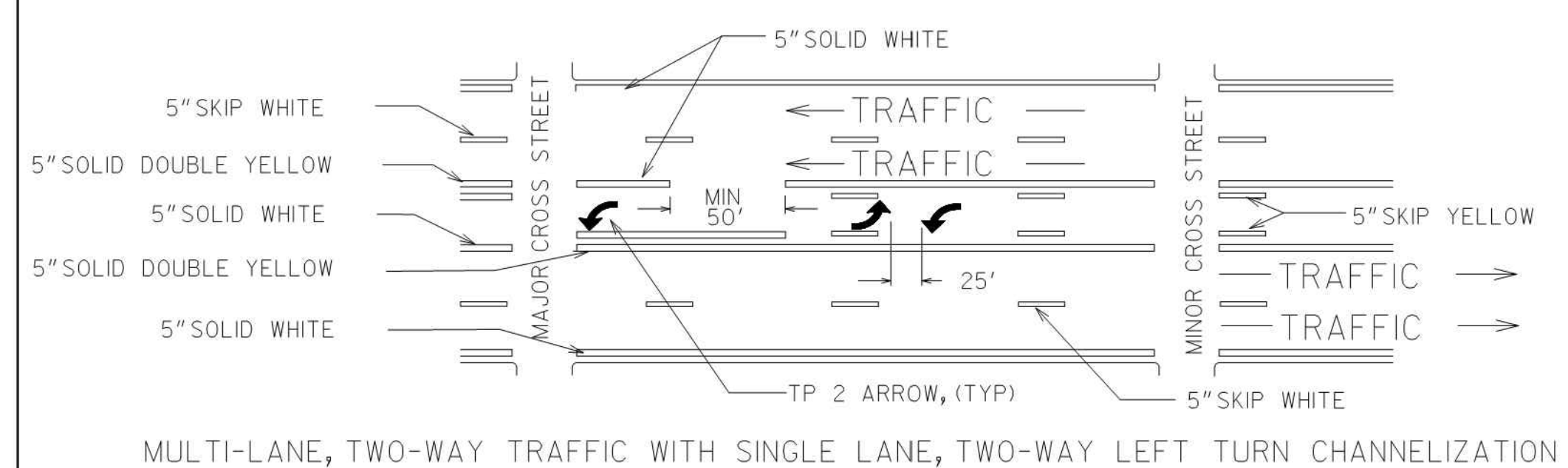
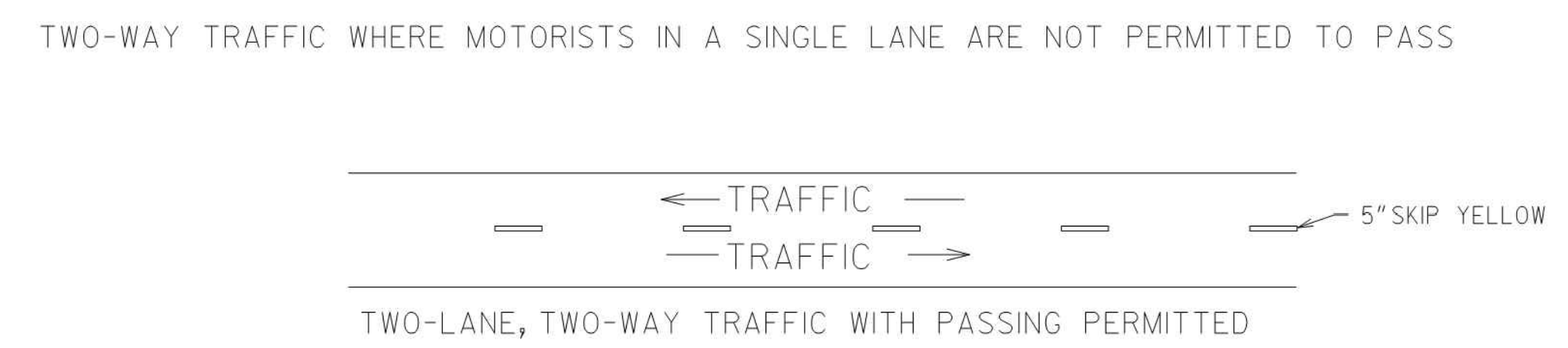
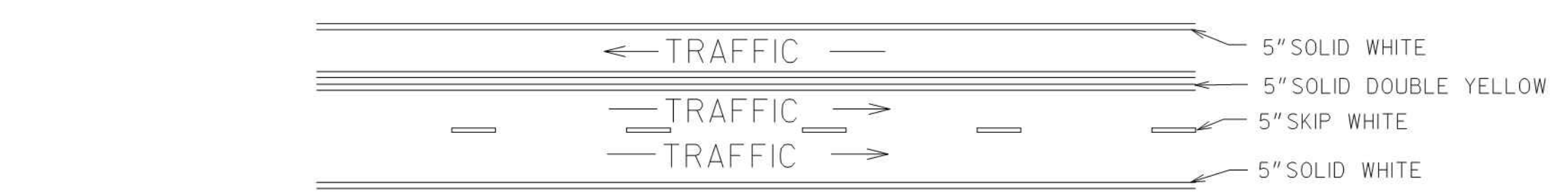
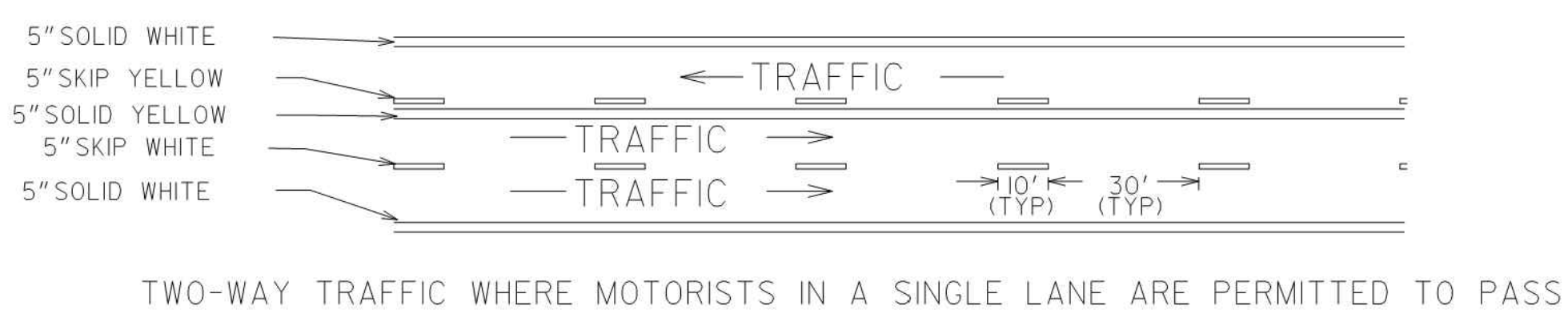
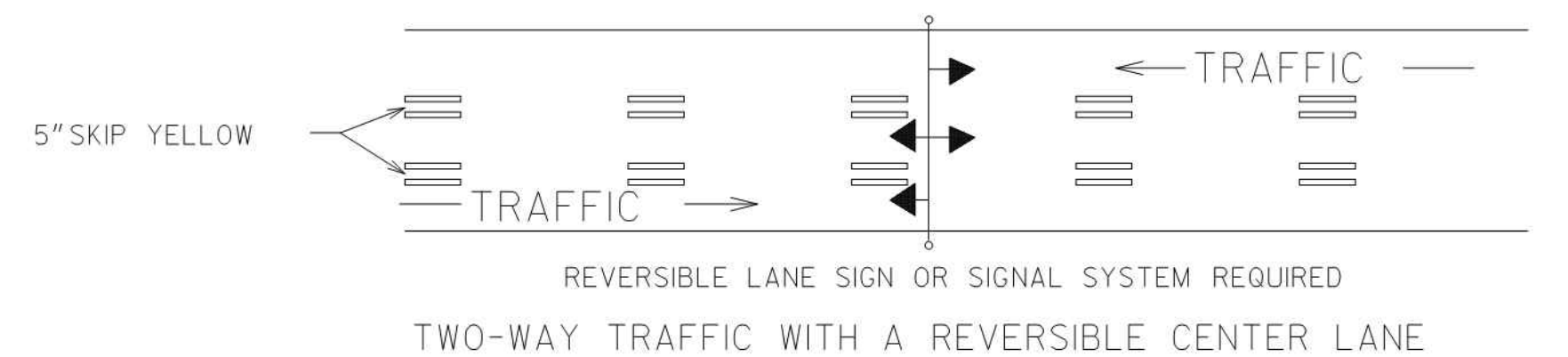
SHEET IDENTIFICATION NUMBER  
**40-004**

| DATE | REVISIONS | GEORGIA DEPARTMENT OF TRANSPORTATION<br>OFFICE OF TRAFFIC SAFETY & DESIGN |
|------|-----------|---|
|      |           | DETAILS OF SIGN PLATES  |
|      |           | NO SCALE JANUARY 2000   |

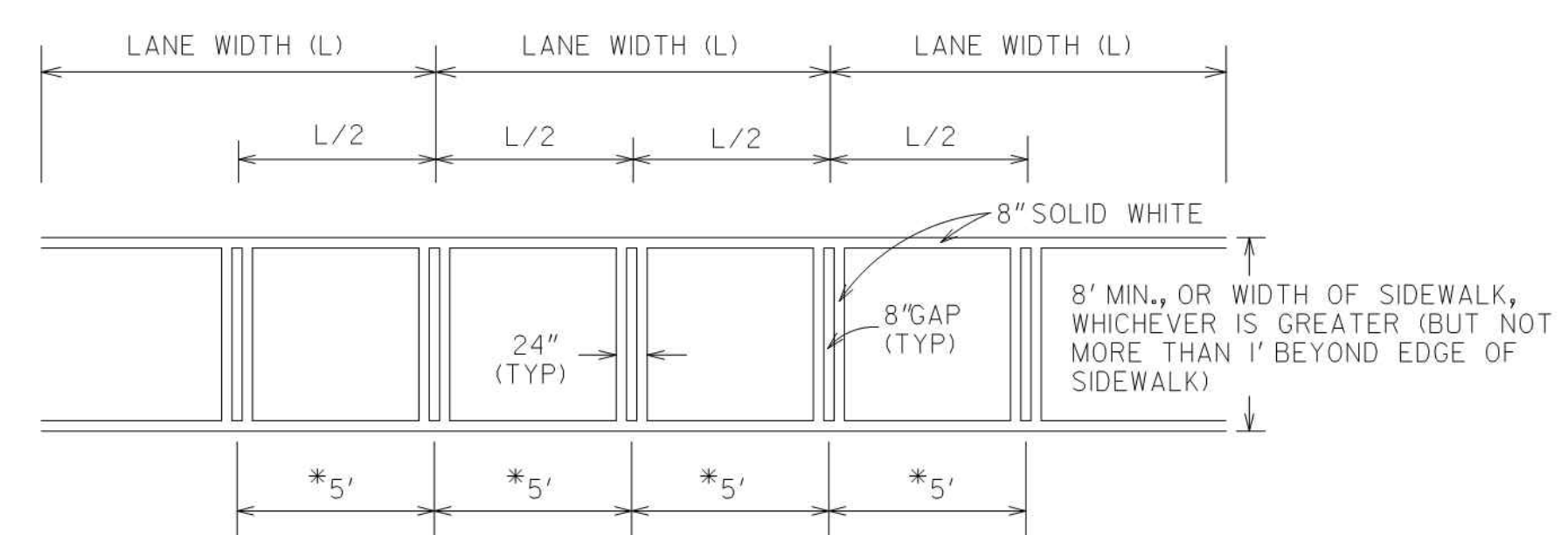
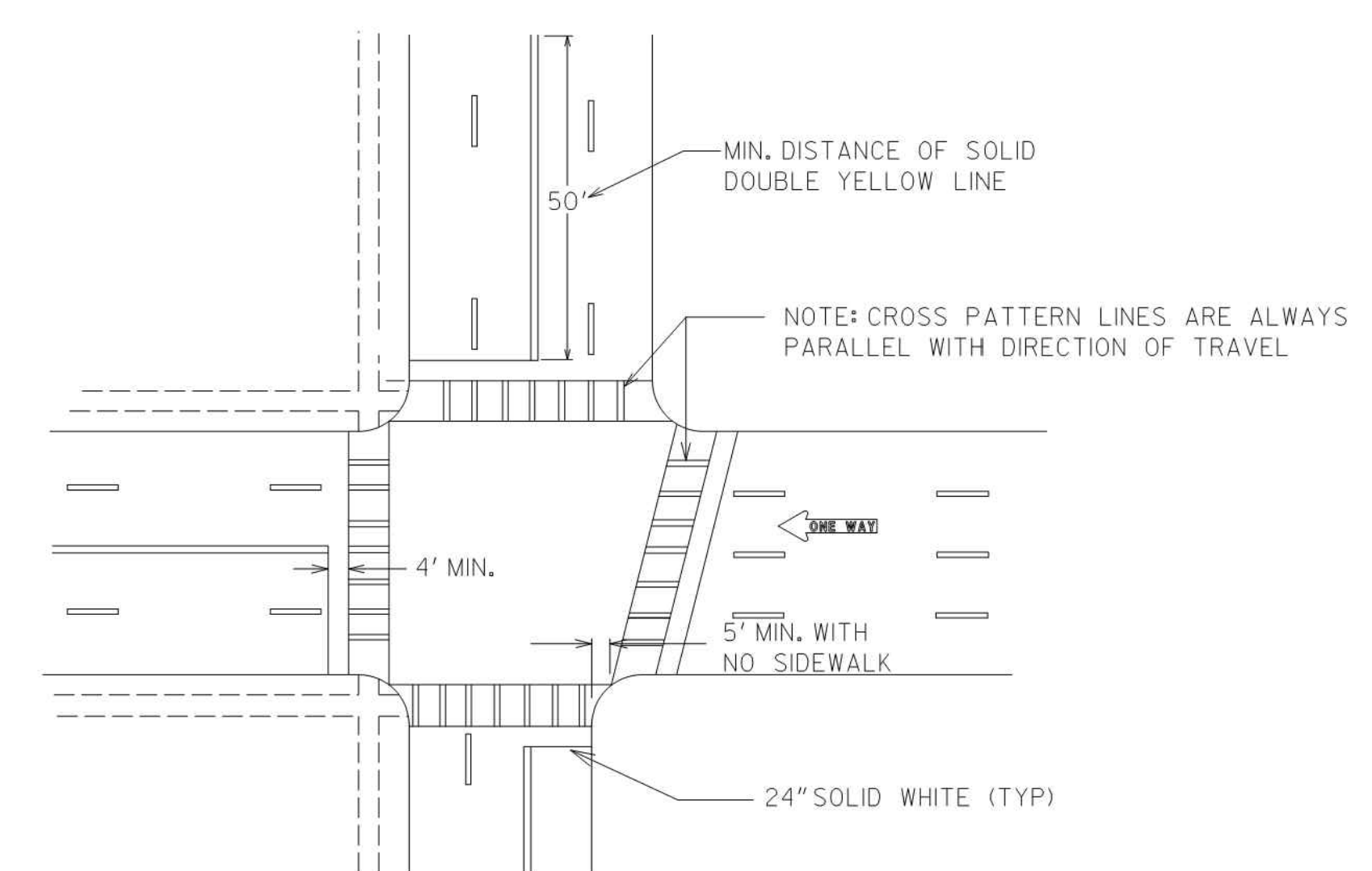
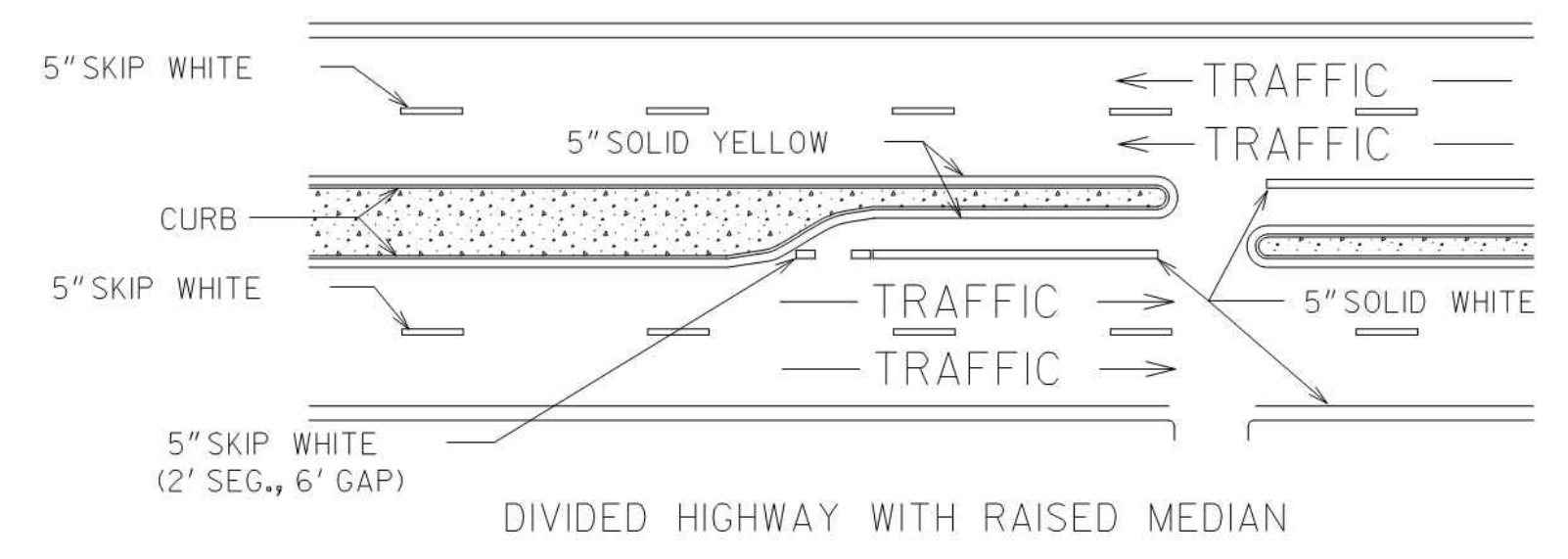


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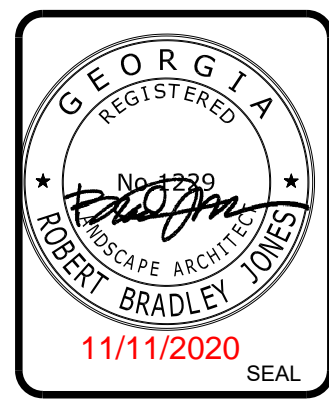
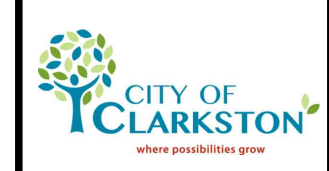
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------|----------------|-----------|--------------|
| GA.   |                |           |              |



- GENERAL NOTES:
1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
  2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
  3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-II.B.



|                              |    |                  |        |
|------------------------------|----|------------------|--------|
| DEPARTMENT OF TRANSPORTATION |    | STATE OF GEORGIA |        |
| CONSTRUCTION DETAILS         |    |                  |        |
| PAVEMENT MARKING PLACEMENT   |    |                  |        |
| NON-LIMITED ACCESS ROADWAY   |    |                  |        |
| NO SCALE                     |    | JANUARY 2000     |        |
| COR                          | BY | DESIGNED         | NUMBER |
|                              |    | DRAWN            | T-IIA  |
|                              |    | TRACED           |        |
|                              |    | CHECKED          |        |



| DATE      | DESCRIPTION   | MARK | APPR. |
|-----------|---|------|-------|
| 3/26/2019 | FOR CONSTRUCTION - CONFORMED TO INCORPORATE ALL ADDENDA |      |       |

|                  |                 |                       |                       |
|------------------|-----------------|-----------------------|-----------------------|
| DESIGNED BY: RBJ | DATE: 2/22/2019 | SOLICITATION NO.:     | CONTRACT NO.:         |
| DWN BY: SPT      | CAD BY: TN      | FILE NAME: 40-001.dwg | FILE NUMBER:          |
| SUBMITTED BY:    |                 | SIZE: 22" x 34"       | PLOT SCALE: 1" = 11'  |
|                  |                 |                       | PLOT DATE: 11/11/2020 |

CITY OF CLARKSTON  
SPLOST 4 PEDESTRIAN PROJECT D -  
PONCE/CHURCH SIDEWALK

**POND**

3000 Parkway Lane  
30008 SUITE 500  
Phone 678.388.7740  
Fax 678.388.7744

POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS

CONSTRUCTION DETAILS

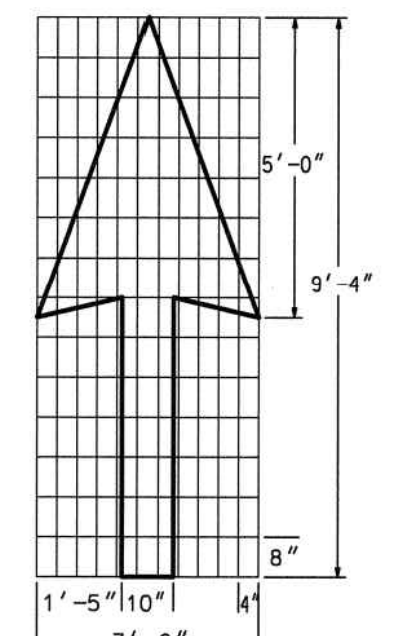
SHEET IDENTIFICATION NUMBER  
40-006



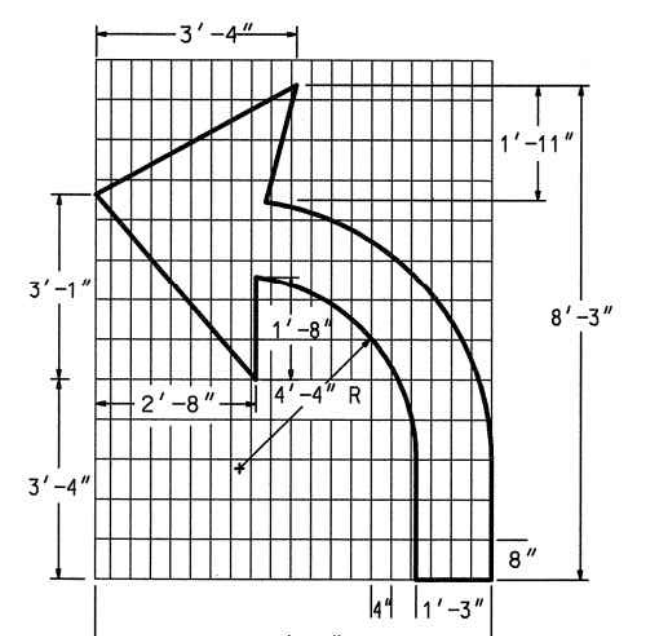
FILE PATH: \\AOPSERVER\RESOURCES\PROJECTS\191190154\04.CAD\_BIM\04.02.CAD\ROWLAND\_TRAILHEAD\40-001.DWG PLOTTED BY: THOMPSON, SYDNEY

1 2 3 4 5

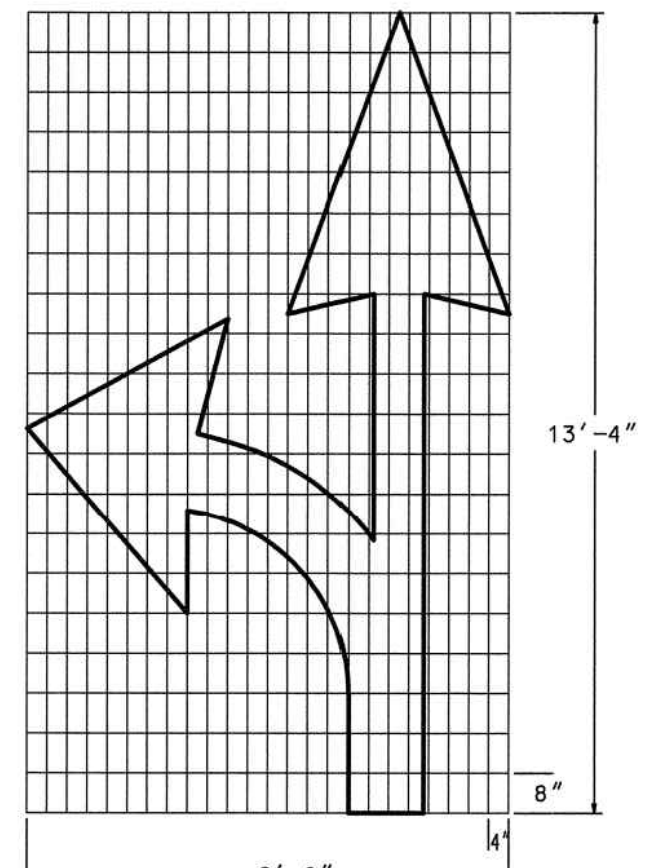
D  
C  
B  
A



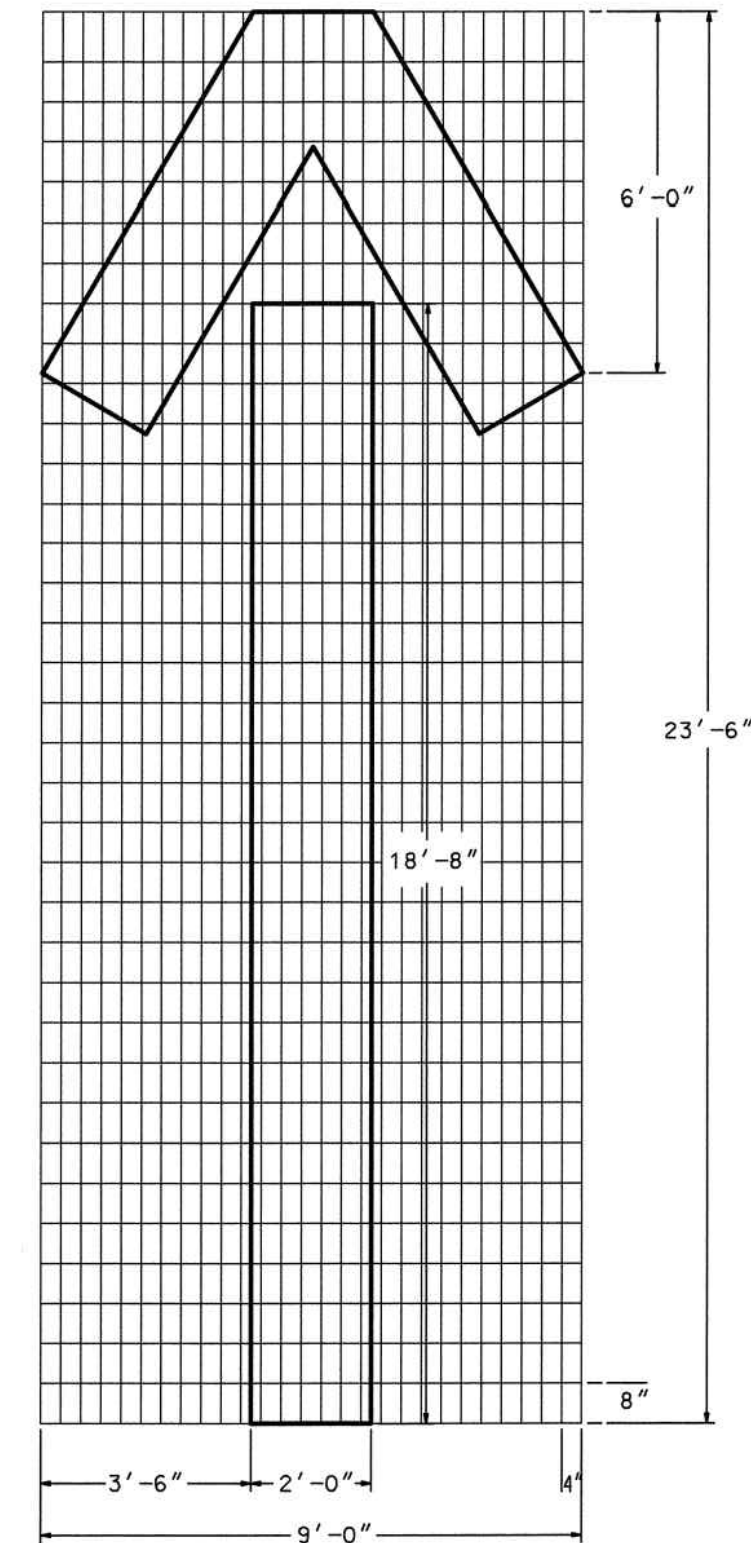
PAVEMENT MARKING, ARROW, TYPE 1  
WHITE  
(12.0 SQ. FT.)



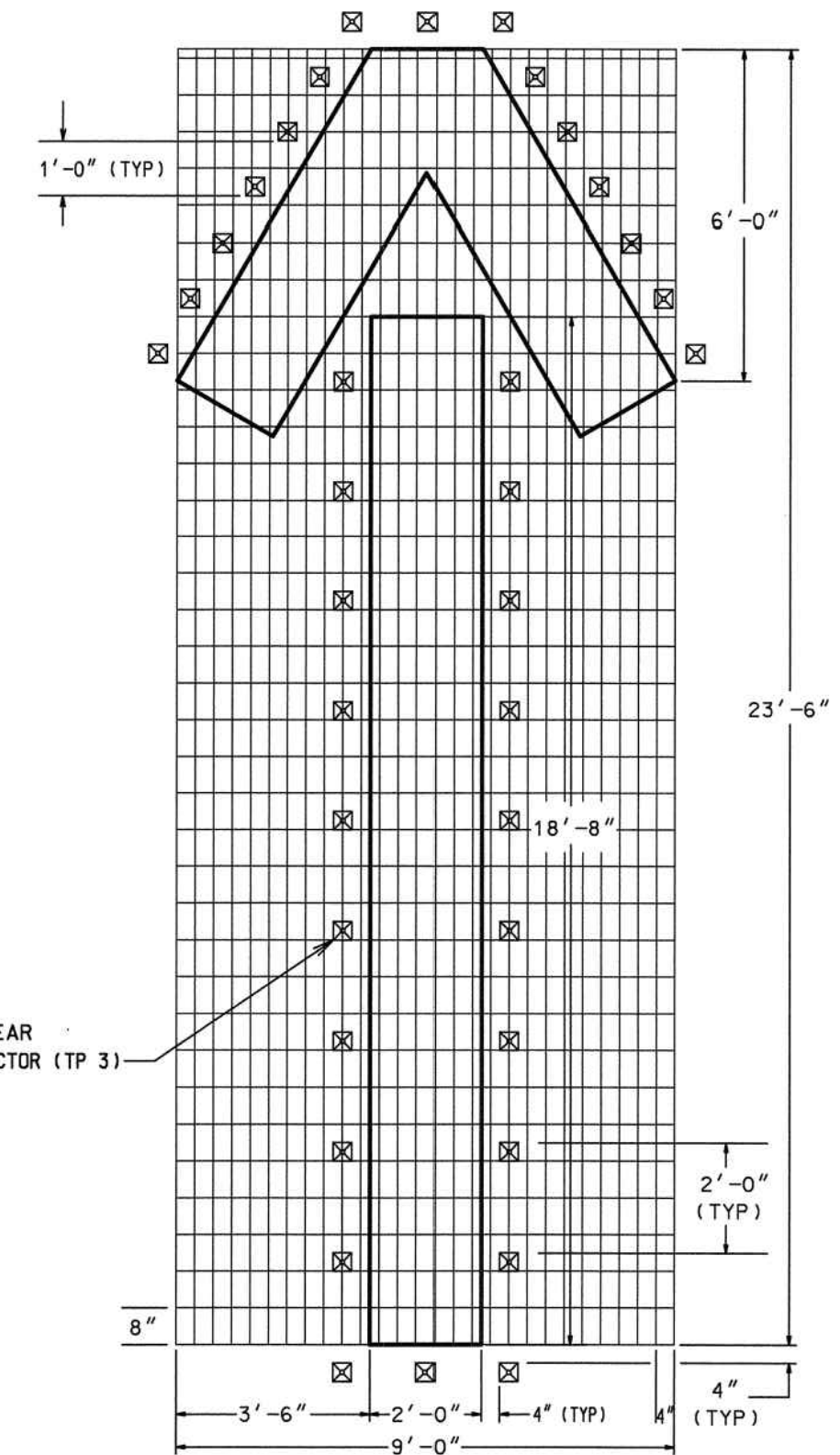
PAVEMENT MARKING, ARROW, TYPE 2  
WHITE  
(16.0 SQ. FT.)



PAVEMENT MARKING, ARROW, TYPE 3  
WHITE  
(28.5 SQ. FT.)

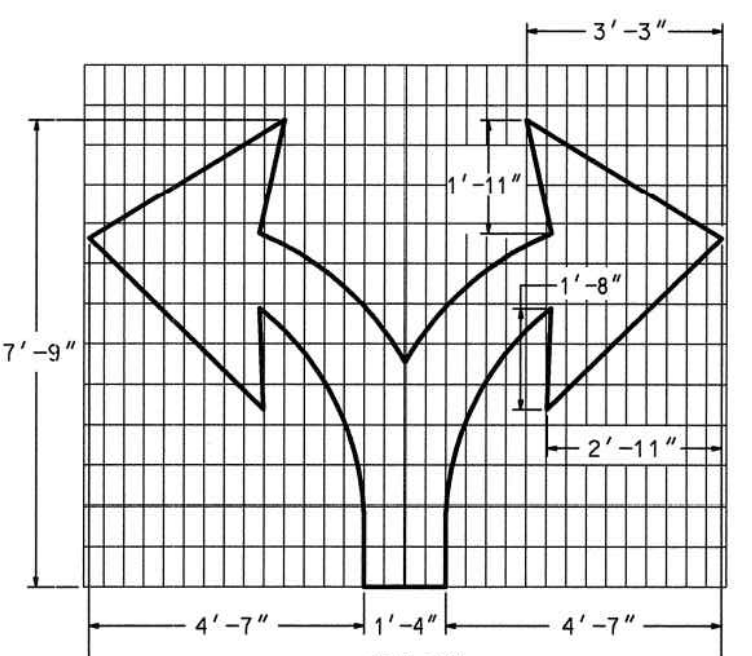


PAVEMENT MARKING, ARROW, TYPE 4  
WHITE  
(64.5 SQ. FT.)

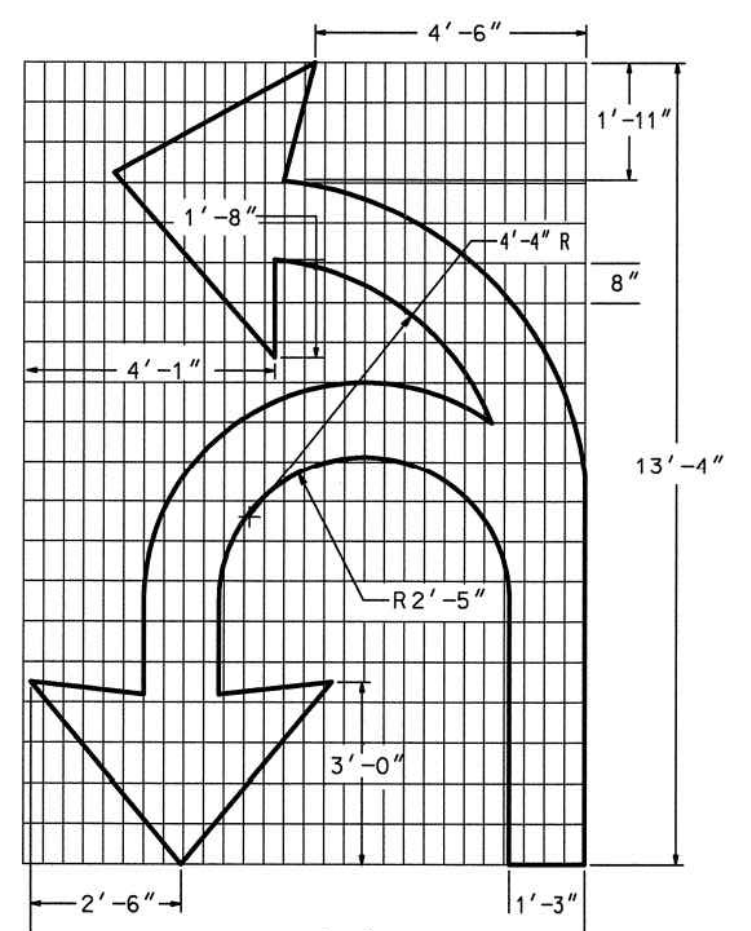


PAVEMENT MARKING, ARROW, WRONG WAY  
WHITE  
(64.5 SQ. FT.)

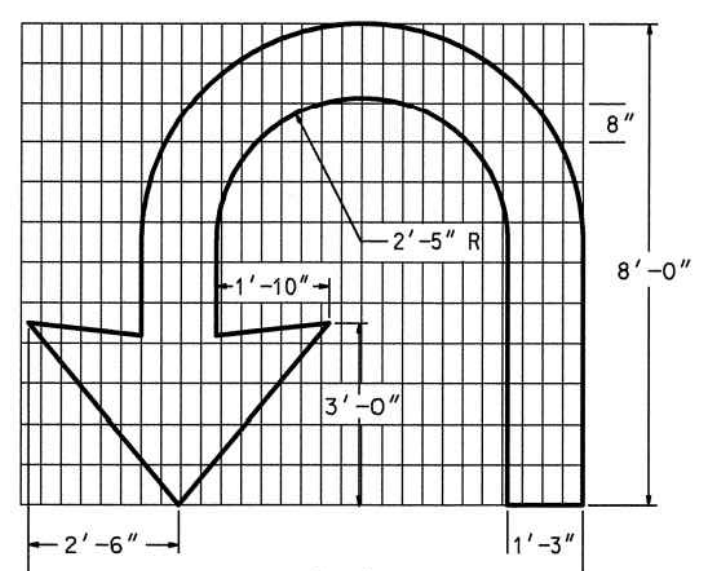
ARROW- WHITE REFLECTORIZED PAINT THERMOPLASTIC, AS SPECIFIED BY GEORGIA STANDARD SPECIFICATIONS, SECTION 655.



PAVEMENT MARKING, ARROW, TYPE 5  
WHITE  
(25.5 SQ. FT.)

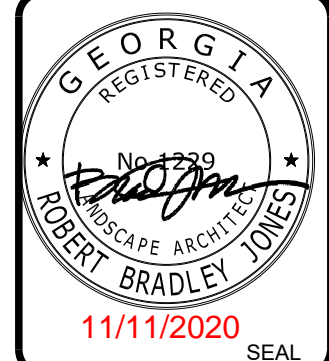


PAVEMENT MARKING, ARROW, TYPE 6  
WHITE  
(42.0 SQ. FT.)



PAVEMENT MARKING, ARROW, TYPE 7  
WHITE  
(26.0 SQ. FT.)

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------|----------------|-----------|--------------|
| GA.   |                |           |              |



|                  |                            |   |             |
|------------------|----------------------------|---|-------------|
| DESIGNED BY: RBJ | DATE: 3/26/2019            | FOR CONSTRUCTION - CONFORMED TO INCORPORATE ALL ADDENDA | APPR.       |
| DWN BY: SPT      | SOLICITATION NO.: 22222019 |   | DATE        |
| CHK BY: JIN      | CONTRACT NO.:              |   | MARK        |
| SUBMITTED BY:    | FILE NAME: 40-001.dwg      |   | DESCRIPTION |
|                  | FILE NUMBER:               |   |             |
|                  | SIZE: 22" x 34"            |   |             |
|                  | PLOT SCALE: 1" = 11'       |   |             |
|                  | PLOT DATE: 11/11/2020      |   |             |

CITY OF CLARKSTON  
SPLOST 4 PEDESTRIAN PROJECT D -  
PONCE/CHURCH SIDEWALK

DESIGNED BY: RBJ  
DATE: 2/22/2019  
SOLICITATION NO.: 22222019  
CONTRACT NO.:  
FILE NAME: 40-001.dwg  
FILE NUMBER:  
SIZE: 22" x 34"  
PLOT SCALE: 1" = 11'  
PLOT DATE: 11/11/2020

3500 Parkway Lane GA  
30096 SUITE 506  
Phone 678.388.7740  
Fax 678.388.7744  
POND PROJECT No.1190154

**POND**

**PONCE/CHURCH SIDEWALKS**

CONSTRUCTION DETAILS

| DATE    | REVISIONS                                   | GEORGIA DEPARTMENT OF TRANSPORTATION<br>OFFICE OF TRAFFIC SAFETY & DESIGN |
|---------|---|---|
| 4-11-00 | CHANGED LOCATION OF RPMS ON WRONG WAY ARROW |   |
|         |   |   |
|         |   |   |
|         |   |   |
|         |   |   |
|         |   |   |

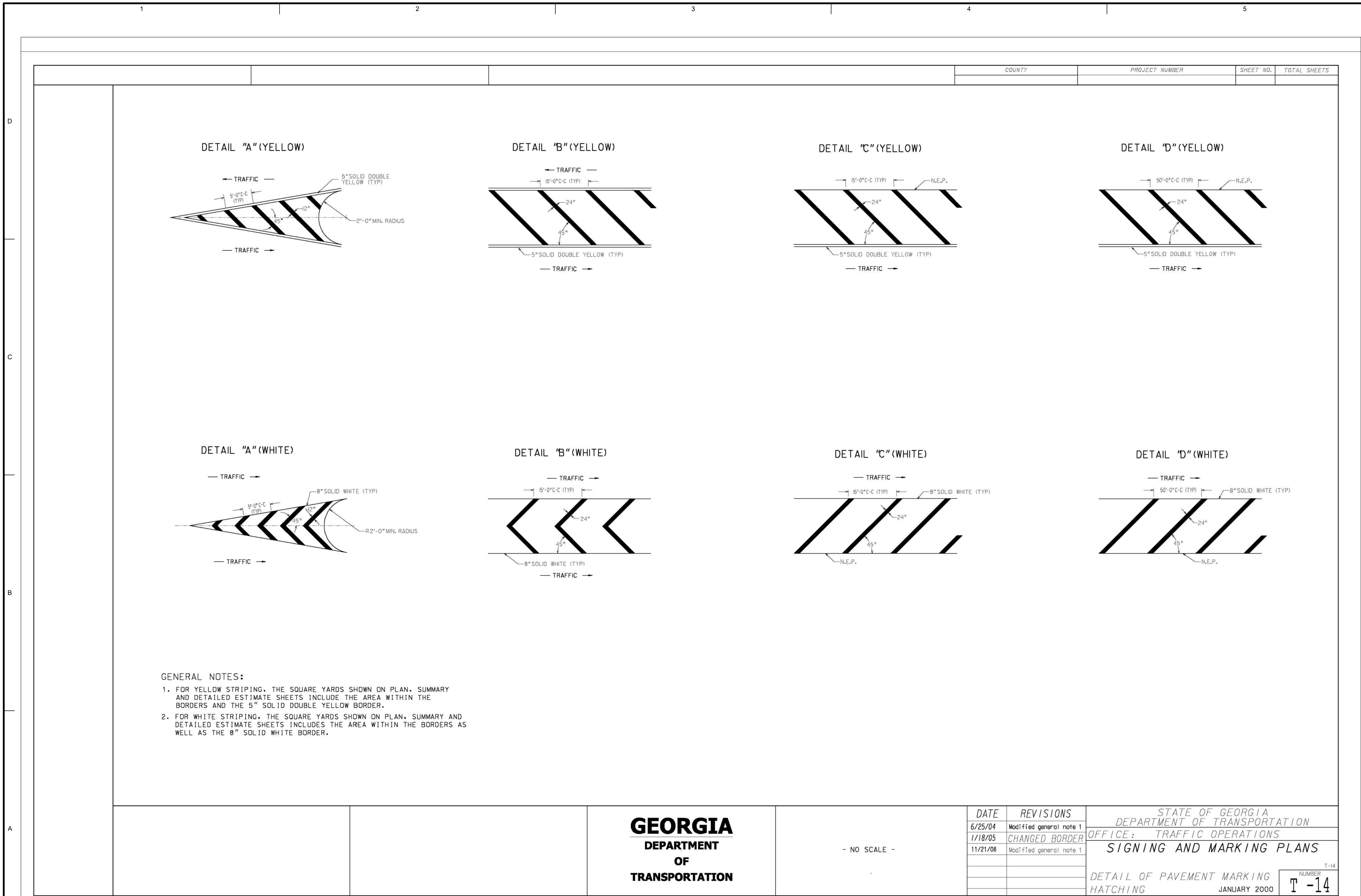
DETAILS OF PAVEMENT MARKINGS-ARROWS  
NO SCALE JANUARY 2000

T-12B

BID SET

SHEET IDENTIFICATION NUMBER  
40-008

FILE PATH: \\ACPSERVER\RESOURCES\PROJECTS\1911190154\04\_CAD\_BIM\04.02\_CAD\ROWLAND\_TRAILHEAD\40-001.DWG PLOTTED BY: THOMPSON, SYDNEY



- GENERAL NOTES:**
1. FOR YELLOW STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDE THE AREA WITHIN THE BORDERS AND THE 5" SOLID DOUBLE YELLOW BORDER.
  2. FOR WHITE STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDES THE AREA WITHIN THE BORDERS AS WELL AS THE 8" SOLID WHITE BORDER.

**GEORGIA**  
DEPARTMENT  
OF  
TRANSPORTATION

- NO SCALE -


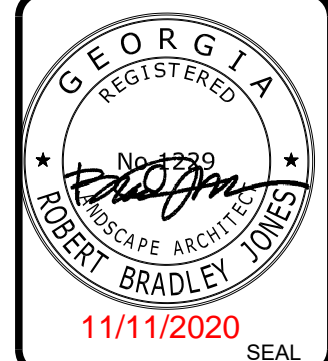
| DATE     | REVISIONS               |
|----------|-------------------------|
| 6/25/04  | Modified general note 1 |
| 1/18/05  | CHANGED BORDER          |
| 11/21/08 | Modified general note 1 |
|          |                         |
|          |                         |

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE: TRAFFIC OPERATIONS  
**SIGNING AND MARKING PLANS**

DETAIL OF PAVEMENT MARKING  
HATCHING


JANUARY 2000

T-14  
NUMBER  
**T-14**

|   |   |
|---|---|
| <p>FOR CONSTRUCTION - CONFORMED TO INCORPORATE ALL ADDENDA</p> <p>3/26/2019</p> | <p>DATE: 3/26/2019</p> <p>SOLICITATION NO.: 2222219</p> <p>CONTRACT NO.:</p> <p>FILE NAME: 40-001.dwg</p> <p>FILE NUMBER: 40-001</p> <p>PLOT DATE: 11/11/2020</p> <p>DESIGNED BY: RBJ</p> <p>DWN BY: SPT</p> <p>CHK BY: TN</p> <p>SUBMITTED BY: 40-001.dwg</p> <p>SIZE: 22" x 34"</p> <p>PLOT SCALE: 1" = 11'</p> |
|---|---|

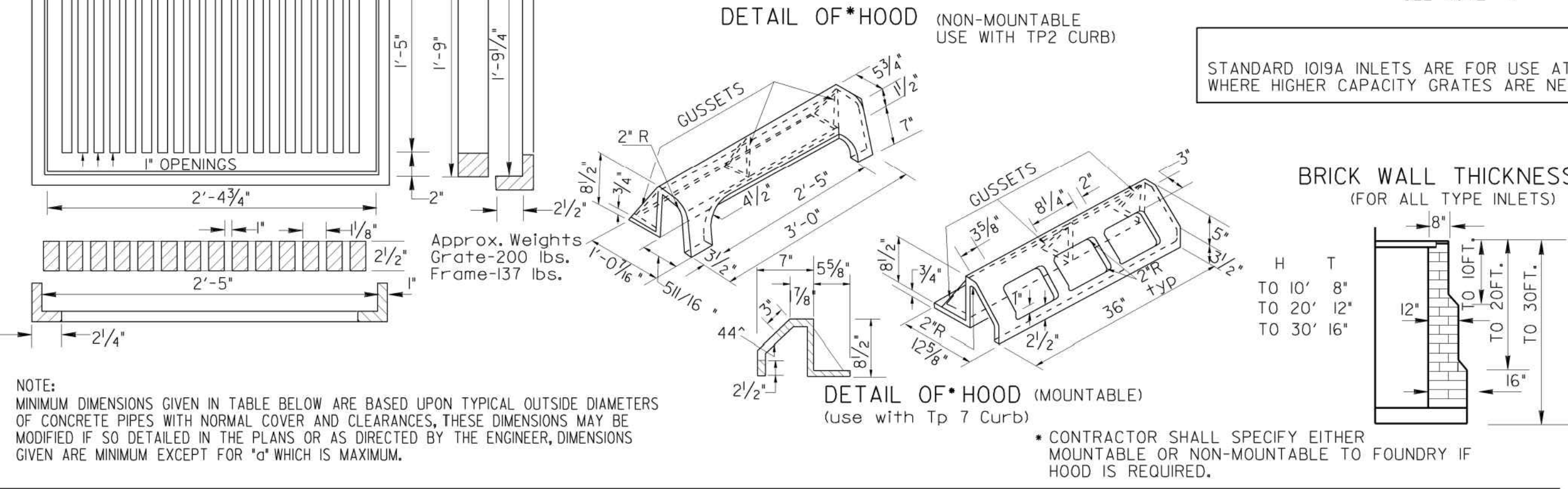
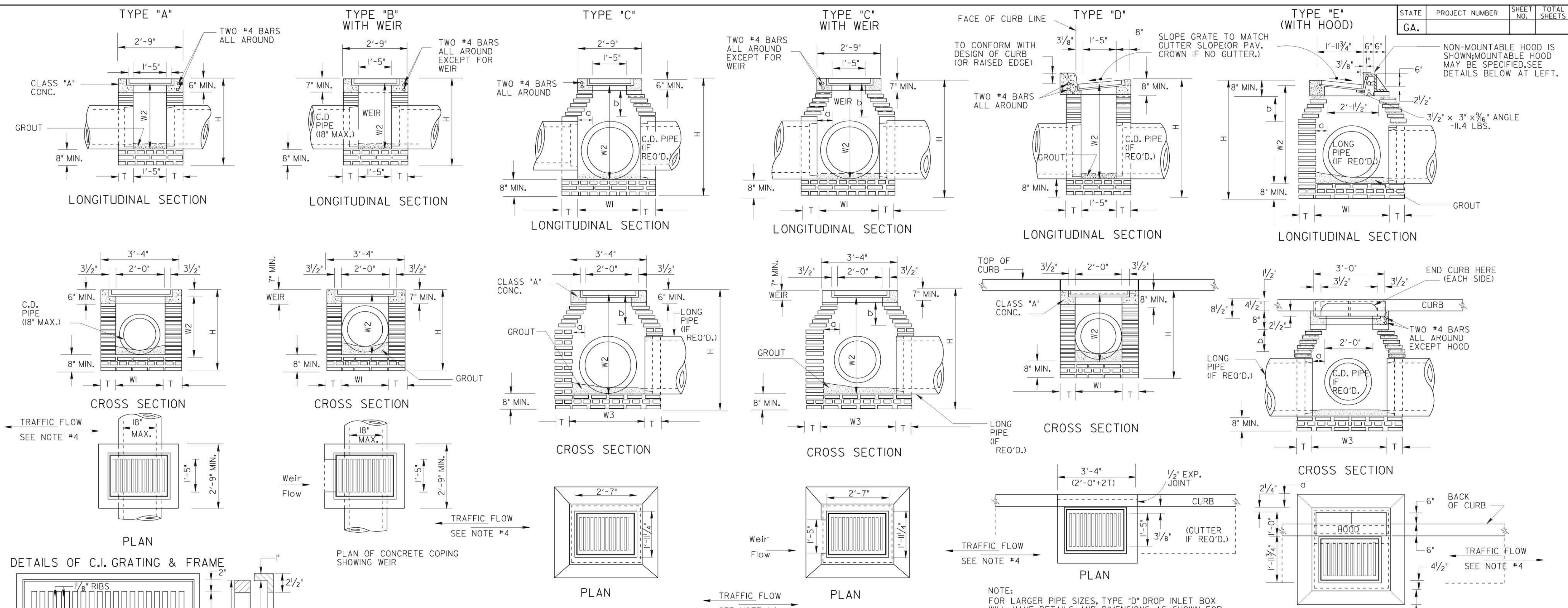
**CITY OF CLARKSTON**  
SPLOST 4 PEDESTRIAN PROJECT D -  
PONCE/CHURCH SIDEWALK



3000 Parkway Lane  
Clarkston, GA 30009  
Phone 678.398.7740  
Fax 678.398.7744

|                               |                             |
|-------------------------------|-----------------------------|
| <b>PONCE/CHURCH SIDEWALKS</b> | <b>CONSTRUCTION DETAILS</b> |
|-------------------------------|-----------------------------|

SHEET IDENTIFICATION NUMBER  
**40-009**

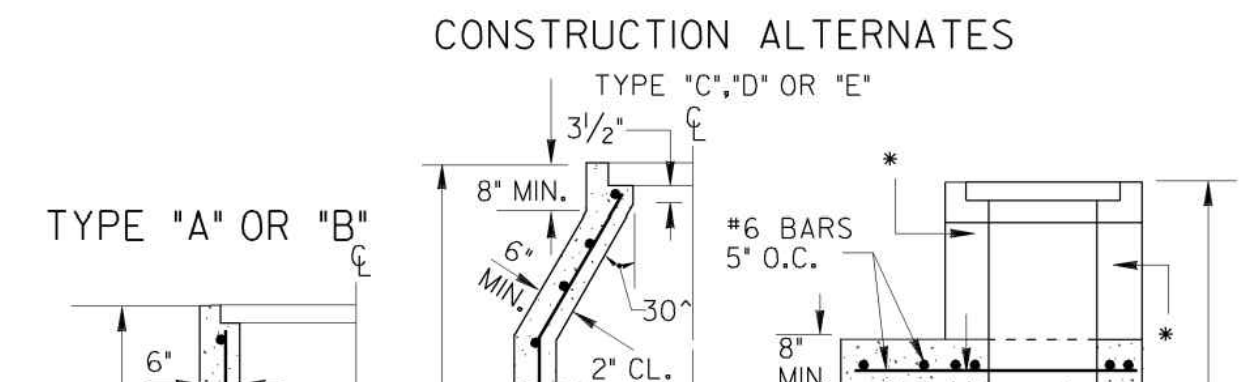


**TABLE OF MINIMUM DIMENSIONS FOR DROP INLETS**

| D   | TYPES "A" or "B" BRICK OR REINF. CONC. |        |           | TYPE "C" OR "D" (BRICK) |           |            |           |           | TYPE "E" (BRICK) |            |            |           |           | TYPE "C", "D" OR "E" (REINFORCED CONCRETE) |            |        |       |        |           |           |           |        |
|-----|--|--------|-----------|-------------------------|-----------|------------|-----------|-----------|------------------|------------|------------|-----------|-----------|--|------------|--------|-------|--------|-----------|-----------|-----------|--------|
|     | W1                                     | W2     | H(min)    | W1                      | W2        | W3         | Q (MAX.)  | b         | H(min.)          | W1         | W2         | W3        | Q (MAX.)  | b  | H(min.)    | W1     | W2    | W3     | Q (MAX.)  | b         | H(min.)   |        |
| 15" | 2'-0"                                  | 2'-7"  | 3'-3 1/2" | 2'-2 1/8"               | 2'-11"    | 2'-9 1/8"  | 0'-4 3/8" | 0'-7 7/8" | 3'-9 1/2"        | 3'-2 1/8"  | 3'-1"      | 3'-0 5/8" | 0'-7 3/8" | 1'-11/8"                                   | 3'-11 1/2" | 2'-0"  | 2'-1" | 2'-7"  | 2'-0"     | 3/2"      | 6"        | 3'-6"  |
| 18" | 2'-0"                                  | 2'-10" | 3'-7"     | 2'-2 1/8"               | 2'-9 1/8" | 2'-9 1/8"  | 0'-4 3/8" | 0'-7 7/8" | 4'-11"           | 3'-2 1/8"  | 3'-4 1/2"  | 3'-0 5/8" | 0'-7 3/8" | 1'-11/8"                                   | 4'-1"      | 2'-0"  | 2'-1" | 3'-0"  | 2'-0"     | 3/2"      | 6"        | 3'-11" |
| 24" | ~                                      | ~      | ~         | 2'-8 1/8"               | 3'-3 1/8" | 3'-3 1/8"  | 0'-7 3/8" | 1'-11/8"  | 4'-9"            | 3'-2 1/8"  | 3'-11 1/2" | 3'-0 5/8" | 0'-7 3/8" | 1'-11/8"                                   | 4'-8 1/4"  | 2'-8"  | 2'-9" | 3'-8"  | 2'-6"     | 6 1/2"    | 11 1/4"   | 4'-7"  |
| 30" | ~                                      | ~      | ~         | 3'-7 1/4"               | 4'-0 1/4" | 3'-10 1/4" | 1'-0 1/8" | 1'-9"     | 5'-10"           | 3'-5 1/2"  | 4'-8 3/8"  | 3'-4"     | 0'-8"     | 1'-11/8"                                   | 5'-6 1/2"  | 3'-4"  | 3'-6" | 4'-9"  | 3'-0"     | 9 1/2"    | 16 1/2"   | 5'-10" |
| 36" | ~                                      | ~      | ~         | 4'-1 1/8"               | 6'-0 5/8" | 4'-8 1/8"  | 1'-4 1/8" | 2'-2 1/4" | 6'-11 1/8"       | 3'-11 1/2" | 5'-8 3/8"  | 3'-10"    | 0'-11"    | 1'-7 1/8"                                  | 6'-7 1/8"  | 3'-10" | 4'-0" | 5'-10" | 3'-9"     | 1'-2"     | 2'-0"     | 6'-10" |
| 42" | ~                                      | ~      | ~         | 4'-5"                   | 7'-1 3/4" | 5'-0"      | 1'-6"     | 2'-7 3/8" | 8'-0 1/4"        | 4'-6 1/2"  | 7'-5 1/8"  | 4'-5"     | 1'-2 1/2" | 2'-1 3/8"                                  | 8'-4 3/8"  | 4'-5"  | 4'-6" | 7'-0"  | 4'-3"     | 1'-5"     | 2'-5 1/2" | 7'-11" |
| 48" | ~                                      | ~      | ~         | 4'-5"                   | 8'-2 3/4" | 5'-7"      | 1'-9 1/2" | 3'-1 1/4" | 9'-1 1/4"        | 5'-11 1/2" | 8'-6 1/8"  | 5'-0"     | 1'-6"     | 2'-7 3/8"                                  | 9'-5 3/8"  | 5'-0"  | 5'-0" | 5'-0"  | 1'-9 1/2" | 3'-1 1/2" | 9'-2"     | 9'-2"  |
| 54" | ~                                      | ~      | ~         | 5'-7"                   | 9'-4"     | 6'-2"      | 2'-1"     | 3'-7 1/2" | 10'-2 1/2"       | 5'-8 1/2"  | 9'-7 3/4"  | 5'-7"     | 1'-9 1/2" | 3'-1 1/4"                                  | 10'-6 1/4" | 5'-6"  | 5'-6" | 9'-2"  | 5'-6"     | 2'-0 1/2" | 3'-6 1/2" | 10'-0" |
| 60" | ~                                      | ~      | ~         | 6'-2"                   | 1'-4 3/8" | 6'-9"      | 2'-4 1/2" | 4'-1 3/8" | 11'-3 1/4"       | 6'-3 1/2"  | 10'-8 3/8" | 6'-2"     | 2'-1"     | 3'-1 3/8"                                  | 1'-7 3/8"  | 6'-0"  | 6'-0" | 10'-3" | 6'-0"     | 2'-3 1/2" | 4'-0"     | 11'-1" |

**SPECIAL NOTE:**  
STANDARD 1019A INLETS ARE FOR USE AT LOW POINTS & WHERE HYDRAULIC LOW CAPACITY GRATES ARE SUFFICIENT. WHERE HIGHER CAPACITY GRATES ARE NEEDED ON A CONTINUOUS GRADE, STANDARD 1019B IS RECOMMENDED.

**NOTE:**  
DETAILS NOT SHOWN FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO THAT SHOWN FOR BRICK MASONRY.



**NOTE:** CONCRETE WALLS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS, BUT WHERE H IS OVER 9 FT., AND PIPE IS OVER 30" I.D., THE HORIZONTAL STEEL, WHICH IS MORE THAN 9 FT. DEEP WILL BE INCREASED TO 6" SPACINGS. 6" CONC. BOTTOM SLABS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS.

**NOTE:** FOR PRECAST ALTERNATES, SEE STD. 1019-A PRECAST AND/OR STD. 1040 PRECAST AND BUILT-IN-PLACE COMPONENTS MAY BE USED IN COMBINATIONS WHICH PROVIDE PROPER FITS AND STRUCTURAL ADEQUACY.

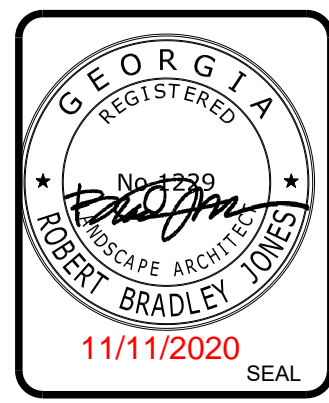
- GENERAL NOTES:**
1. SPECIFICATIONS: GEORGIA STANDARD AND CURRENT EDITION, AND SUPPLEMENTS THERETO.
  2. 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE RIGID PAVEMENT, CONCRETE SIDEWALK OR CONCRETE GUTTER MEETS DROP INLETS.
  3. ALIGNMENT, NUMBER AND SIZES OF PIPES SHOWN ARE ONLY TYPICAL. SEE PLANS FOR ACTUAL PIPE CULVERT REQUIREMENTS.
  4. ALL TYPE DROP INLETS WILL BE CONSTRUCTED (AS SHOWN), SO THAT THE GRATE BARS ARE PERPENDICULAR TO THE FLOW OF TRAFFIC EXCEPT ON LIMITED ACCESS PROJECTS OR WHERE BICYCLES ARE PROHIBITED.
  5. BRICK MASONRY WITH CLASS "A" CONC. TOP PORTION IS SHOWN AS STANDARD CONSTRUCTION WITH ALTERNATES PERMITTED AS SHOWN. BOTTOM SLAB MAY BE 8" MIN. NON-REINFORCED CONCRETE, 8" BRICK OR 6" MIN. REINFORCED CONCRETE. SEE APPLICABLE STANDARDS FOR ALTERNATE PRECAST CONSTRUCTION.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

STANDARD DROP INLETS  
(BUILT-IN-PLACE)

SCALE AS SHOWN REV. & REDR. AUG., 1999

DES. (SUBMITTED) *James L. Eubank* NUMBER 1019A  
REV. STATE ROAD & AIRPORT DESIGN ENGR.  
TRA. (APPROVED) *Tom L. Eubank*  
CHK. CHIEF ENGINEER



FOR CONSTRUCTION - CONFORMED TO INCORPORATE ALL ADDENDA

| NO. | DATE      | DESCRIPTION |
|-----|-----------|-------------|
| 1   | 3/26/2019 | MARK        |

|                  |                       |                       |
|------------------|-----------------------|-----------------------|
| DESIGNED BY: RBJ | DATE: 2/22/2019       | SOLICITATION NO.:     |
| DRAWN BY: SPT    | CHK BY: TN            | CONTRACT NO.:         |
| SUBMITTED BY:    | FILE NAME: 40-001.dwg | FILE NUMBER:          |
|                  | SIZE: 22" x 34"       | PLOT SCALE: 1" = 11'  |
|                  |                       | PLOT DATE: 11/11/2020 |

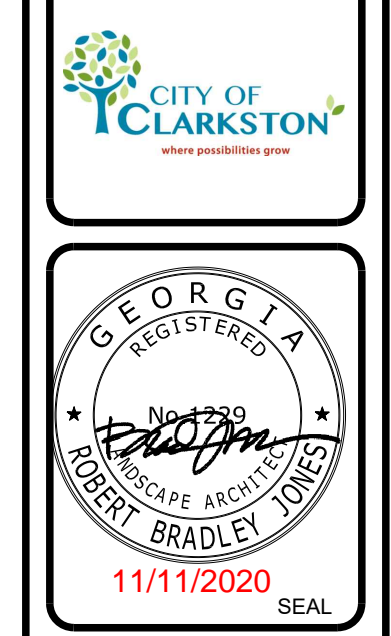
CITY OF CLARKSTON  
SPLOST 4 PEDESTRIAN PROJECT D -  
PONCE/CHURCH SIDEWALK

**POND**  
POND PROJECT No. 1190154

3000 Parkway Lane  
Clarkston, GA 30009  
Phone 678.389.7740  
Fax 678.389.7744

PONCE/CHURCH SIDEWALKS  
GEORGIA STANDARDS





|                  |                       |   |           |             |
|------------------|-----------------------|---|-----------|-------------|
| DESIGNED BY: RBJ | DATE: 2/22/2019       | FOR CONSTRUCTION - CONFORMED TO INCORPORATE ALL ADDENDA | 3/26/2019 | APPR.       |
| DWN BY: SPT      | CONTRACT NO.:         |   |           | DATE        |
| SUBMITTED BY:    | FILE NAME: 40-001.dwg |   |           | MARK        |
|                  | FILE NUMBER:          |   |           | DESCRIPTION |
|                  | SIZE: 22" x 34"       |   |           |             |
|                  | PLOT SCALE: 1" = 11'  |   |           |             |
|                  | PLOT DATE: 11/11/2020 |   |           |             |

|                  |                       |   |           |             |
|------------------|-----------------------|---|-----------|-------------|
| DESIGNED BY: RBJ | DATE: 2/22/2019       | FOR CONSTRUCTION - CONFORMED TO INCORPORATE ALL ADDENDA | 3/26/2019 | APPR.       |
| DWN BY: SPT      | CONTRACT NO.:         |   |           | DATE        |
| SUBMITTED BY:    | FILE NAME: 40-001.dwg |   |           | MARK        |
|                  | FILE NUMBER:          |   |           | DESCRIPTION |
|                  | SIZE: 22" x 34"       |   |           |             |
|                  | PLOT SCALE: 1" = 11'  |   |           |             |
|                  | PLOT DATE: 11/11/2020 |   |           |             |

CITY OF CLARKSTON  
 SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK

**POND**  
 3000 Parkway Lane  
 Clarkston, GA 30026  
 Phone 678.387.7740  
 Fax 678.387.7744

POND PROJECT No. 1190154

**PONCE/CHURCH SIDEWALKS**

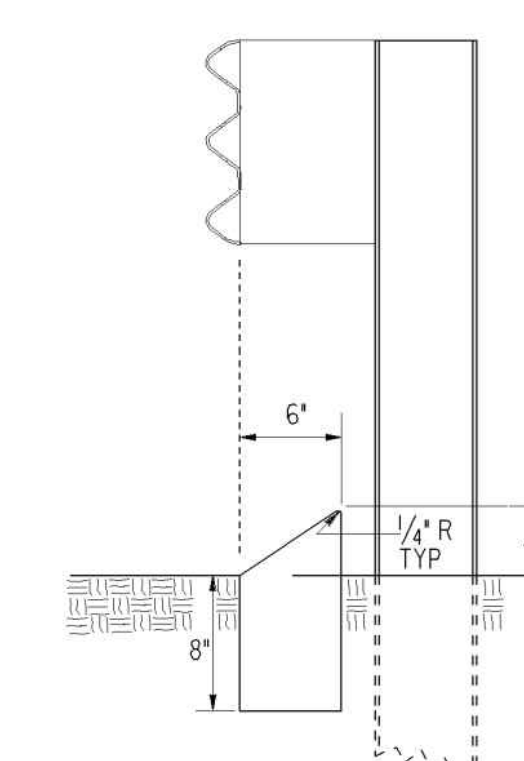
GEORGIA STANDARDS

SHEET IDENTIFICATION NUMBER  
**41-002**

|       |                |           |              |
|-------|----------------|-----------|--------------|
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
| GA.   |                |           |              |

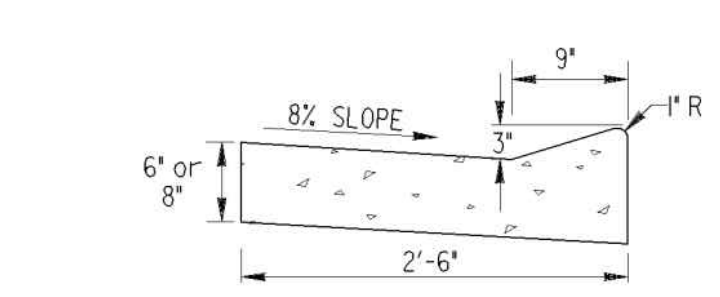
**RAISED EDGE WITH CONCRETE GUTTER**

FACE OF CURB MUST ALIGN WITH BACK EDGE OF GUARDRAIL AND THE FACE OF THE OFFSET BLOCK.



**TYPE 8**

TYPE 8 CURB IS USED IN CONJUNCTION WITH GUARDRAIL CONNECTIONS TO CONCRETE BARRIER AS NOTED ON GA. STD. 4012C.

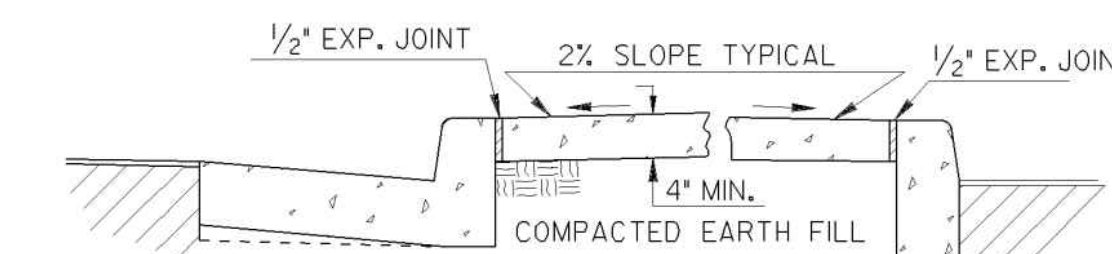


SCALE: 1" = 1 FT.

RAISED EDGE TO BE CONSTRUCTED WITH SAME CONCRETE MIX AS THE GUTTER AND SHALL BE FORMED MONOLITHIC WITH GUTTER. JOINTS IN RAISED EDGE SHALL MATCH THOSE IN THE GUTTER.

**CONCRETE MEDIAN (Between Curbs)**

NOTE: CURB TYPES SHOWN ARE TYPICAL. OTHER TYPES MAY BE SPECIFIED.



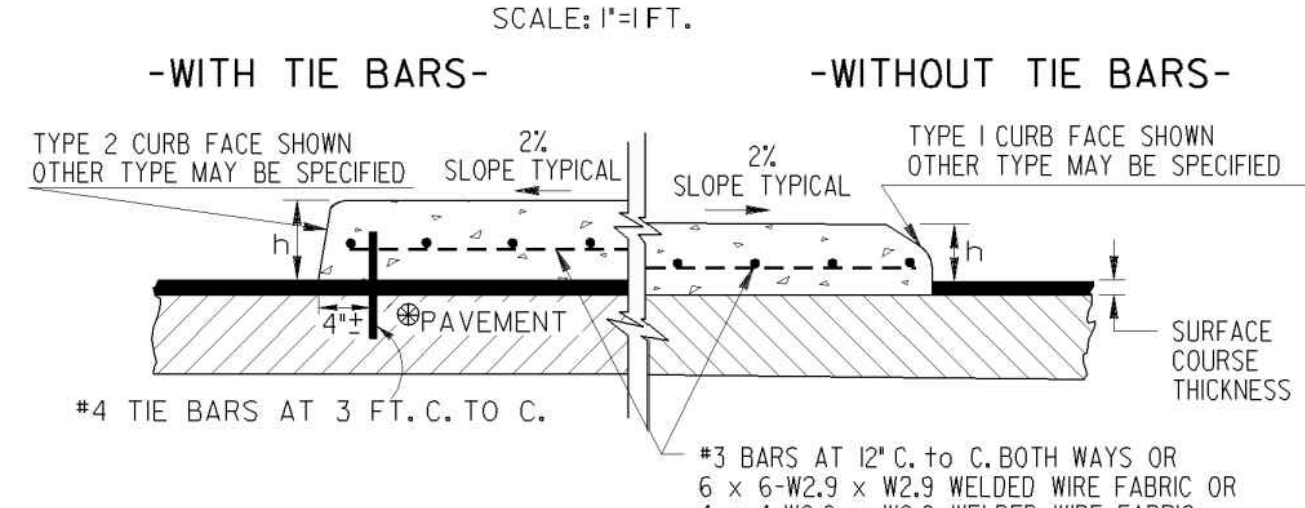
SCALE: 3/4" = 1 FT.

NOTE: WIDTH OF CONCRETE MEDIAN WILL BE AS SHOWN IN PLANS

NOTE: IF CONCRETE MEDIAN INTERCEPTS PEDESTRIAN CROSSWALKS, WHEELCHAIR RAMPS (CONSTRUCTION DETAIL A-3 AND A-4) WILL BE REQUIRED.

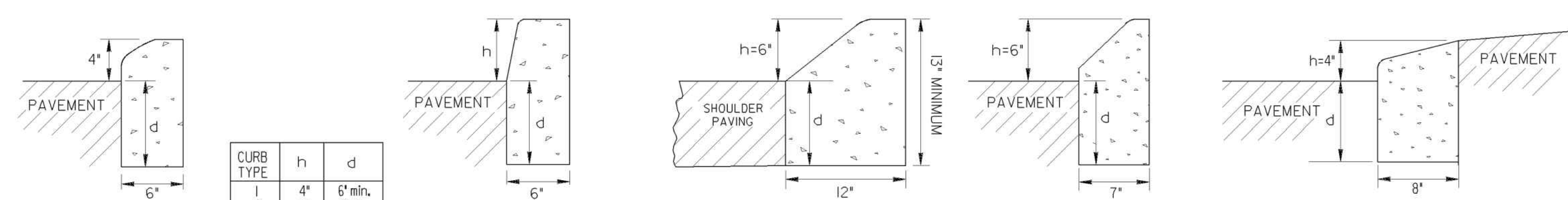
**CONCRETE MEDIANS (Integral)**

SCALE: 1" = 1 FT.



NOTE: IF FINAL SURFACE COURSE IS PRESENT OR MUST BE INSTALLED BEFORE THE CONCRETE MEDIAN CAN BE INSTALLED, THEN DOWELED IN CONCRETE MEDIAN IS REQUIRED.

**CONCRETE HEADER CURBS**



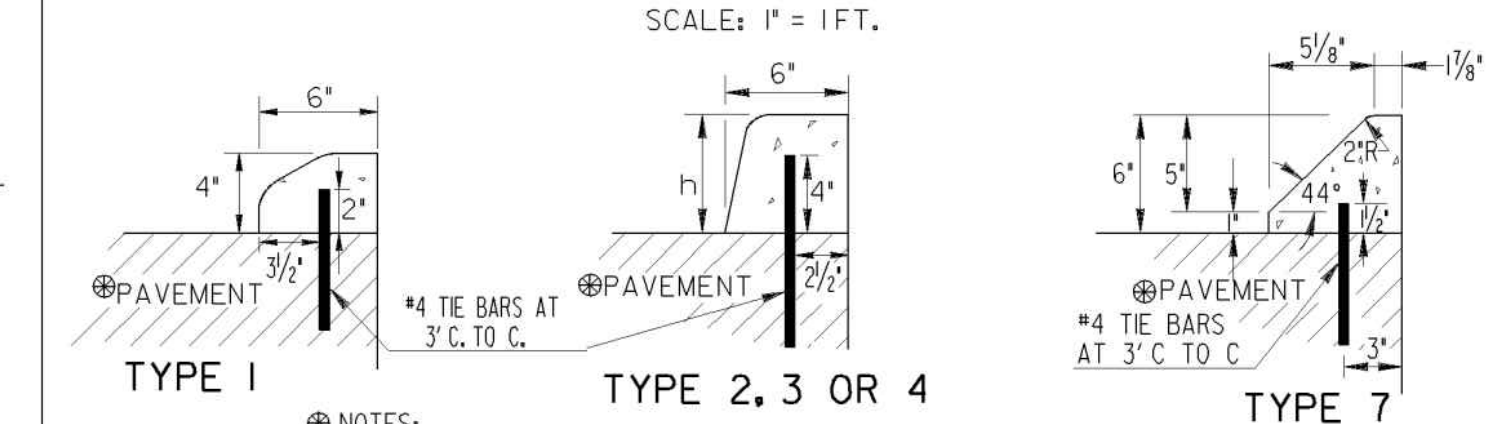
| CURB TYPE | h   | d        |
|-----------|-----|----------|
| 1         | 4"  | 6" min.  |
| 2         | 6"  | 8" min.  |
| 3         | 8"  | 10" min. |
| 4         | 10" | 12" min. |
| 6         | 6"  | 7" min.  |
| 7         | 6"  | 8" min.  |
| 9         | 4"  | 8" min.  |

THE DIMENSION d MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVEMENT TYPICAL SECTION.

SCALE: 1/2" = 1 FT.

**CONCRETE DOWELED INTEGRAL CURBS**

SCALE: 1" = 1 FT.



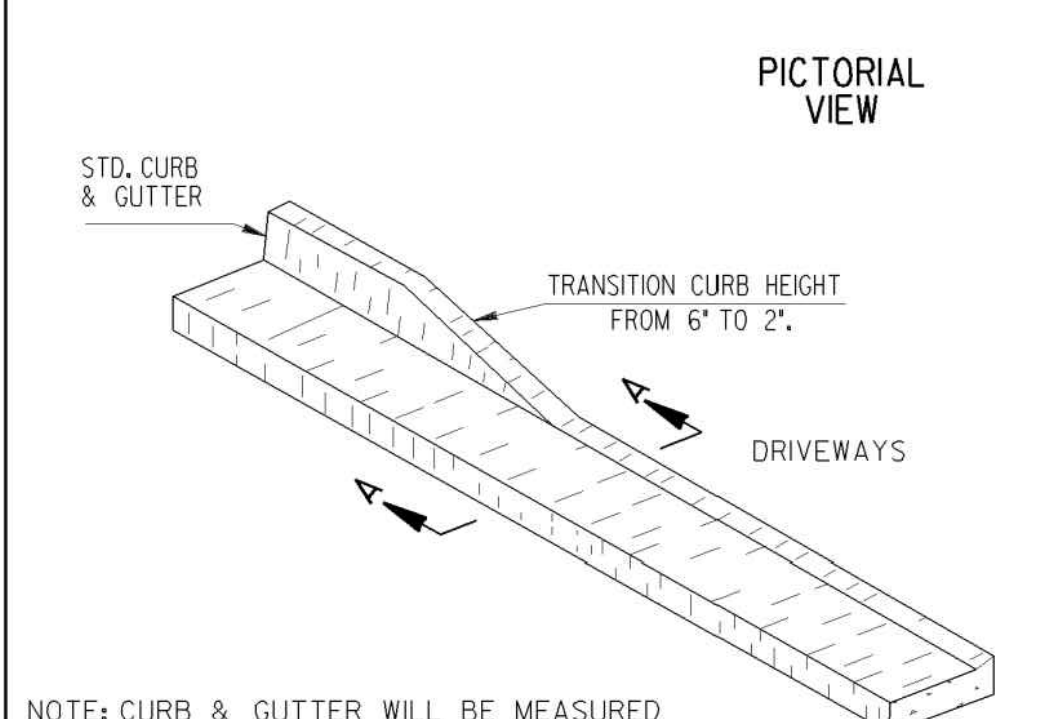
- NOTES:
- CONCRETE CURB CAN BE INSTALLED AFTER INITIAL SET AS LONG AS TIE BARS ARE DRILLED INTO UNDERLYING CONCRETE PAVEMENT.
  - CONCRETE CURB CAN BE INSTALLED BEFORE INITIAL SET WITH DOWELS THAT ARE DRIVEN INTO UNDERLYING CONCRETE PAVEMENT.
  - JOINTS IN CURB AND CONCRETE MEDIAN WILL MATCH THOSE IN THE CONCRETE PAVEMENT.
  - ALL TYPES OF CONCRETE CURB CAN BE PLACED ON ASPHALT PAVEMENTS WHERE TIE BARS MAY BE EITHER DRIVEN OR DRILLED INTO THE UNDERLYING PAVEMENT. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN CURB OR CONCRETE MEDIAN AT 20 FT. SPACING.

| MINIMUM TIE BAR LENGTHS (FOR CONC. DOWELED CURBS OR CONC. MEDIAN) |                 |              |
|---|-----------------|--------------|
| CURB TYPE   | P.C. CONC. PAV. | ASPHALT PAV. |
| 1   | 6"              | 8"           |
| 2, 3 or 4   | 8"              | 12"          |
| 7   | 6"              | 8"           |

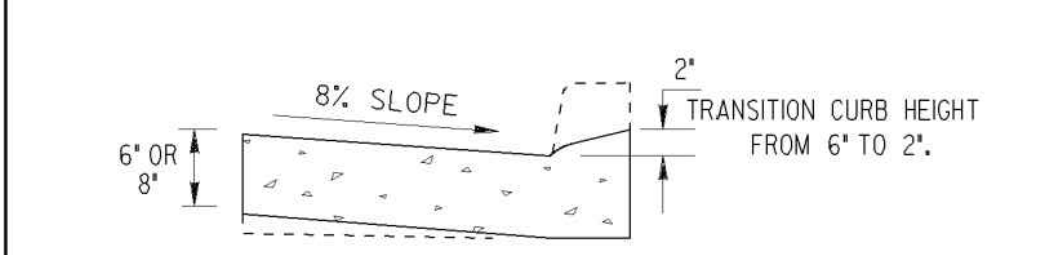
NOTE: TIE BARS FOR DOWELED CURBS MAY BE UNCOATED PLAIN OR DEFORMED BILLET-STEEL BARS (GRADE 40) AS USED FOR CONCRETE REINFORCEMENT. (AASHTO M-31)

**DETAILS OF RECESSED CURB FOR DRIVEWAYS**

NO SCALE



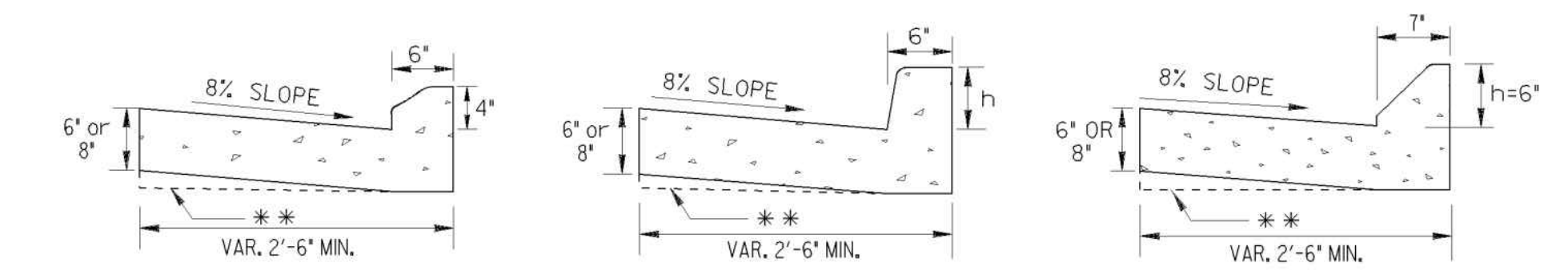
NOTE: CURB & GUTTER WILL BE MEASURED FOR PAYMENT THRU THE DRIVE



**SECTIONAL VIEW SECTION A-A**

(SEE SEPARATE CONSTRUCTION DETAILS FOR DRIVEWAYS)

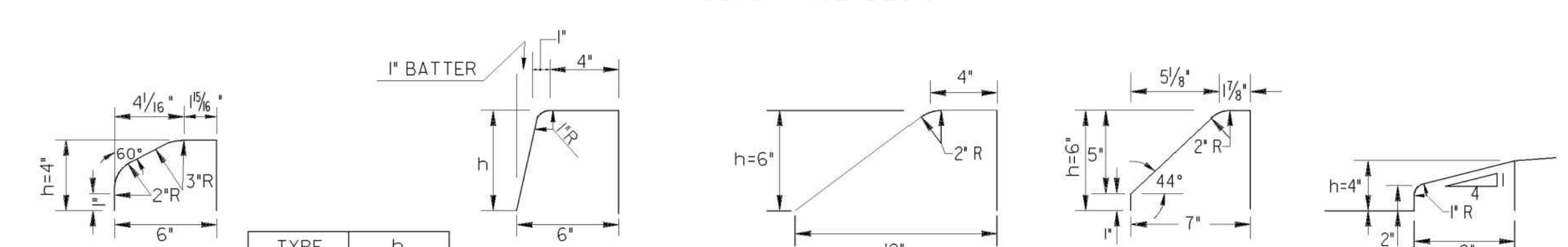
**CONCRETE CURB & GUTTER**



SCALE: 1" = 1 FT.

\*\* AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT.

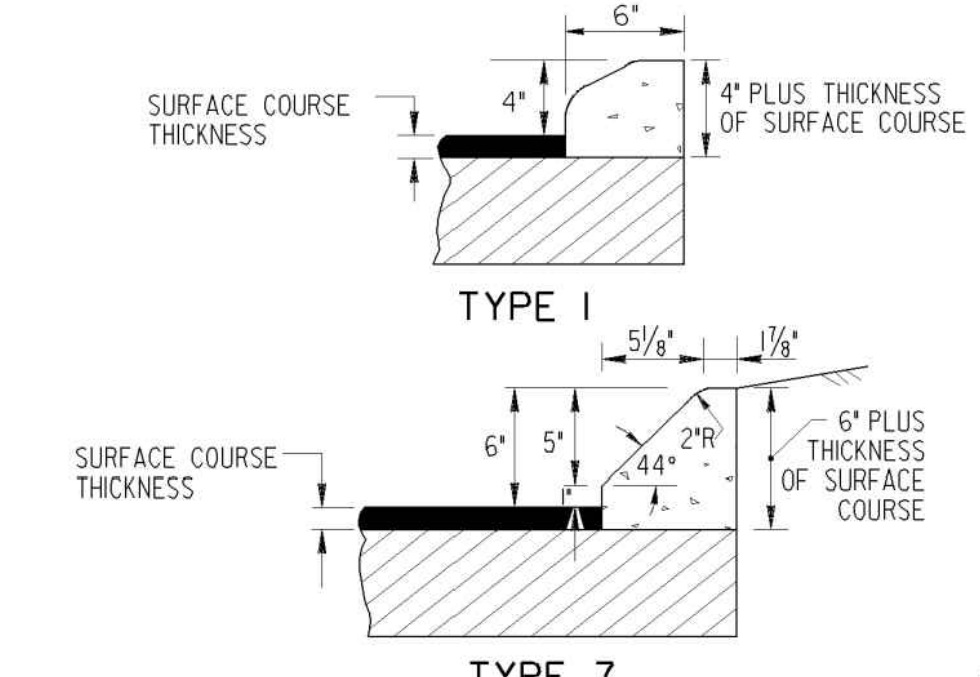
**CURB FACE DESIGN**



| TYPE | h   |
|------|-----|
| 1    | 4"  |
| 2    | 6"  |
| 3    | 8"  |
| 4    | 10" |
| 6    | 6"  |
| 7    | 6"  |
| 9    | 4"  |

SCALE: 2" = 1 FT.

**CONCRETE INTEGRAL CURB**



SCALE: 1/2" = 1 FT.

|                          |          |  |  |
|--------------------------|----------|--|--|
| REV. TYPE 9 CURB DETAIL  | 11-15-II |  |  |
| REV. OVERALL LAYOUT      | 11-27-II |  |  |
| ADDED TYPE 9 CURB DETAIL | 3-03     |  |  |
| ADDED TYPE 9 DETAIL      | DATE     |  |  |
| REVISION                 |          |  |  |

DEPARTMENT OF TRANSPORTATION  
 STATE OF GEORGIA

**STANDARD**  
 CONCRETE CURB & GUTTER  
 CONCRETE CURBS, CONCRETE MEDIANS

SCALE: AS SHOWN REVISED AND REDRAWN OCT. 2011

|                  |        |
|------------------|--------|
| DES. (SUBMITTED) | NUMBER |
| DRW. (APPROVED)  | 9032B  |
| TRAL. (APPROVED) |        |
| CHK. (APPROVED)  |        |

FILE PATH: \\VOPSERVER\RESOURCES\PROJECTS\SY19\1190154\04\_CAD\_BIM\04.02\_CADROWLAND\_TRAILHEAD\40-001.DWG PLOTTED BY: THOMPSON, SYDNEY



**EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES**

**THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NUMBER GAR 100001 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR STAND ALONE CONSTRUCTION PROJECTS.**

**THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, 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 AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.**

PRIOR TO FINAL SIGNOFF, APPLICANT IS REQUIRED TO SUBMIT AN ELECTRONIC FORMAT (AS DETERMINED BY THE DEPARTMENT OF WATERSHED MANAGEMENT) AND A PAPER FORMAT OF THE ACTUAL "AS BUILT" PLANS FOR ANY STORMWATER MANAGEMENT FACILITIES OR PRACTICES AFTER FINAL CONSTRUCTION IS COMPLETED. THE PLAN MUST SHOW THE AS BUILT CONFIGURATION FOR ALL STORMWATER MANAGEMENT FACILITIES AND PRACTICES AND MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

ALL SILT FENCES MUST BE TYPE S, WIRE BACKED, DOUBLE ROW, AND MEET THE REQUIREMENTS OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION.

THE LEVEL II QUALIFIED DESIGN PROFESSIONAL WHO SEALED THESE PLANS IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL MUST REPORT THE RESULTS OF THE INSPECTION TO THE PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT.

ALL AMENDMENTS AND REVISIONS TO THE EROSION & SEDIMENT CONTROL PLANS WHICH WILL HAVE A SIGNIFICANT EFFECT ON BEST MANAGEMENT PRACTICE (BMP) WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

NO NON-EXEMPT ACTIVITIES SHALL BE CONDUCTED IN THE 25' STATE WATERS BUFFER OR THE 75' CITY OF CLARKSTON RIPARIAN BUFFER WITHOUT FIRST OBTAINING THE NECESSARY VARIANCES AND PERMITS.

THE PROPERTY OWNER AND CONTRACTOR ARE EQUALLY RESPONSIBLE FOR ALL EROSION CONTROL ACTIVITIES.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES.

ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. IN SUCH INSTANCES WHERE THE ESTABLISHMENT OF VEGETATION IS INOPPORTUNE DUE TO SEASON OR DROUGHT, DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED USING 2"-4" OF MULCH (DS1). ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.

THE CITY'S DESIGNEE WILL VERIFY ADEQUATE VEGETATIVE COVER (100% COVER, 70% DENSITY) OF PERMANENT STABILIZATION (Ds3, Ds4).

SILT FENCES SHALL NOT BE PLACED IN STREAM BUFFER OR FLOODPLAINS, UNLESS UTILIZED FOR THE CONSTRUCTION OF AN EXEMPT ACTIVITY (I.E. ROADWAY DRAINAGE STRUCTURES, SEWERWATER CROSSINGS, OR DRAINAGE STRUCTURES) PER THE APPROVED PLANS. FOR SUCH DISTURBANCES WITHIN THE BUFFER, THE AREA SHALL BE IMMEDIATELY STABILIZED USING EROSION CONTROL MATTING AND/OR BLANKETS ONCE THE ACTIVITY IS COMPLETE.

SEDIMENT STORAGE CANNOT BE PROVIDED DUE TO LIMITED RIGHT-OF-WAY AT THIS LINEAR PROJECT SITE HOWEVER AS EXTENSIVE NETWORK OF SILT FENCES WILL PROJECT THE DOWN STREAM AREAS.

FOR EACH SITE ON WHICH LAND DISTURBING ACTIVITY OCCURS, EACH ENTITY OR PERSON ACTING AS EITHER A PRIMARY, SECONDARY, OR TERTIARY PERMITTEE, AS DEFINED IN THE STATE GENERAL PERMIT, SHALL HAVE AS A MINIMUM ONE PERSON WHO IS IN RESPONSIBLE CHARGE OF EROSION AND SEDIMENTATION CONTROL ACTIVITIES ON BEHALF OF SAID ENTITY OR PERSON AND MEETS THE APPLICABLE (LEVEL 1A) EDUCATION OR TRAINING CERTIFICATION REQUIREMENTS (O.C.G.A. 12-7-19(A)(2)).

SUBCONTRACTORS INVOLVED WITH LAND DISTURBANCE ACTIVITIES SHALL MEET THE EDUCATION REQUIREMENTS (LEVEL 1) DESCRIBED IN O.C.G.A. 12-7-19.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

- 1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.
- 2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND TEMPORARY SEDIMENT BASINS SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.
- 3. TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
- 4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
- 5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
- 6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE PHASE I EROSION CONTROL PLAN.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS INITIAL BRUSH BARRIER SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ON TO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

**SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.**

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING THE CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

A DOUBLE ROW OF TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED. CUT AND FILL SLOPES ARE NOT TO EXCEED "2H:1V".

A DOUBLE ROW OF TYPE "S" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE STABILIZED AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

**ALTERNATIVE BMP'S**

USE OF ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT OR SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL MAY BE ALLOWED (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION).

REQUIRED DOCUMENTATION FOR ALTERNATIVE BMP'S:

- 1. ONE PAGE SUMMARY DETAILING WHY THE ALTERNATIVE BMP IS EQUIVALENT OR SUPERIOR TO THE CONVENTIONAL BMP'S FOUND IN THE "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA" (MANUAL).
- 2. DOCUMENTED SIDE BY SIDE TESTING (ALTERNATIVE BMP VS. CONVENTIONAL BMP) USING THE APPROPRIATE DESIGN REQUIREMENTS AND SPECIFICATIONS CONTAINED IN THE MANUAL.
- 3. PROOF THAT THE ALTERNATIVE BMP WAS PREVIOUSLY INSTALLED AND WORKED UNDER CONDITIONS COMPARABLE TO THE ENVIRONMENTAL CONDITIONS OF THE PROPOSED SITE. THIS CAN BE DOCUMENTED WITH PHOTOGRAPHS.
- 4. ALL SPECIFICATIONS INCLUDING THE DESIGN REQUIREMENTS AND THE PROCEDURES FOR PROPER INSTALLATION AND MAINTENANCE.

ALL FORMS OF DOCUMENTATION MUST BE SIGNED AND CERTIFIED BY THE DESIGN PROFESSIONAL WHO IS PREPARING THE ES&PC PLAN AND MUST INCLUDE THE DESIGN PROFESSIONAL'S SEAL AND GSWCC DESIGN PROFESSIONAL CERTIFICATION.

**NOTE: IF LIMITS OF DISTURBANCE FOR PROJECT REQUIRES DISTURBING 50 ACRES OR MORE AT ANY ONE TIME, WRITTEN AUTHORIZATION FROM THE ENVIRONMENTAL PROTECTION DIVISION (EPD) DISTRICT OFFICE SHALL BE INCORPORATED INTO THIS ES&PC PLAN. IF EPD APPROVES THE REQUEST, THE PLAN MUST INCLUDE 4 OF THE BMP'S LISTED IN APPENDIX 1 OF GSWCC CHECKLIST, OR PART III.C.2. OF NPDES GAR 100001.**

**NOTE: IF SITE DISCHARGES INTO AN IMPAIRED STREAM AS DESCRIBED BELOW, PROVIDE THE FOLLOWING INFORMATION AND DELINEATE ADDITIONAL BMP'S ON ES&PC PLANS.**

ANY PERMITTEE WHO INTENDS TO OBTAIN COVERAGE UNDER THE NPDES GAR# 100001 FOR STORM WATER DISCHARGES ASSOCIATED WITH STAND ALONE CONSTRUCTION ACTIVITY INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN ONE (1) LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN IMPAIRED STREAM SEGMENT IDENTIFIED AS "NOT SUPPORTING" ITS DESIGNATED USE(S), AS SHOWN ON GEORGIA'S 2008 AND SUBSEQUENT "305(B)(3)(D) LIST DOCUMENTS (FINAL)" AT THE TIME OF NOI SUBMITTAL, MUST SATISFY THE REQUIREMENTS OF PART III.C. OF THIS PERMIT IF THE IMPAIRED STREAM SEGMENT HAS BEEN LISTED FOR CRITERIA VIOLATED, "BIO F" (IMPAIRED FISH COMMUNITY) AND/OR "BIO M" (IMPAIRED MACROINVERTEBRATE COMMUNITY), WITHIN CATEGORY 4A, 4B OR 5, AND THE POTENTIAL CAUSE IS EITHER "NP" (NONPOINT SOURCE) OR "UR" (URBAN RUNOFF). THOSE DISCHARGES THAT ARE LOCATED WITHIN ONE (1) LINEAR MILE OF AN IMPAIRED STREAM SEGMENT, BUT ARE NOT LOCATED WITHIN THE WATERSHED OF ANY PORTION OF THAT STREAM SEGMENT, ARE EXCLUDED FROM THIS REQUIREMENT. GEORGIA'S 2008 AND SUBSEQUENT 305(B)(3)(D) LIST DOCUMENTS (FINAL) CAN BE VIEWED ON THE EPD WEBSITE, WWW.GAEPD.ORG/DOCUMENTS/305B.HTML.

1. IF A TOTAL MAXIMUM DAILY LOAD (TMDL) IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED AT LEAST SIX (6) MONTHS PRIOR TO THE PERMITTEE'S SUBMITTAL OF THE NOI, THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (PLAN) MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN THAT ARE APPLICABLE TO THE PERMITTEE'S DISCHARGE(S) TO THE IMPAIRED STREAM SEGMENT WITHIN THE TIMEFRAME SPECIFIED IN THE TMDL IMPLEMENTATION PLAN. IF THE TMDL IMPLEMENTATION PLAN ESTABLISHES A SPECIFIC NUMERIC WASTELOAD ALLOCATION THAT APPLIES TO AN PERMITTEE'S DISCHARGE(S) TO THE IMPAIRED STREAM SEGMENT, THEN THE PERMITTEE MUST INCORPORATE THAT ALLOCATION INTO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND IMPLEMENT ALL NECESSARY MEASURES TO MEET THAT ALLOCATION. A LIST OF TMDL IMPLEMENTATION PLANS CAN BE VIEWED ON THE EPD WEBSITE, WWW.GAEPD.ORG.

2. IN ORDER TO ENSURE THAT THE PERMITTEE'S DISCHARGE(S) DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF STATE WATER QUALITY STANDARDS, THE PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BEST MANAGEMENT PRACTICES (BMP'S) FOR THOSE AREAS OF THE SITE WHICH DISCHARGE INTO OR WITHIN ONE (1) LINEAR MILE UPSTREAM AND WITHIN THE SAME WATERSHED AS THE IMPAIRED STREAM SEGMENT:

- A. DURING CONSTRUCTION ACTIVITIES, DOUBLE THE WIDTH OF THE 25 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS REQUIRING A BUFFER AND THE 50 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS CLASSIFIED AS "TROUT STREAMS" REQUIRING A BUFFER. DURING CONSTRUCTION ACTIVITIES, EPD WILL NOT GRANT VARIANCES TO ANY SUCH BUFFERS THAT ARE INCREASED IN WIDTH PURSUANT TO THIS SECTION.
- B. INCREASE ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO PROVIDE SEDIMENT STORAGE OF AT LEAST 3600 CUBIC FEET (134 CUBIC YARDS) PER ACRE DRAINED.
- C. USE BAFFLES IN ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO AT LEAST DOUBLE THE CONVENTIONAL FLOW PATH LENGTH TO THE OUTLET STRUCTURE.
- D. PLACE A LARGE SIGN (MINIMUM 4 FEET X 8 FEET) ON THE SITE VISIBLE FROM THE ROADWAY IDENTIFYING THE CONSTRUCTION SITE, THE PERMITTEE(S), AND THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S).
- E. USE ANIONIC POLYACRYLAMIDE (PAM) AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH PART III.D.1. OF THIS PERMIT.
- F. CONDUCT TURBIDITY AND TOTAL SUSPENDED SOLIDS (TSS) SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART V.D.6.D. OF THIS PERMIT.
- G. COMPLY WITH THE APPLICABLE END-OF-PIPE TURBIDITY EFFLUENT LIMIT, WITHOUT THE "BMP DEFENSE" AS PROVIDED FOR IN O.C.G.A. 12-7-6(A)(1).
- H. LIMIT THE TOTAL PLANNED SITE DISTURBANCE TO LESS THAN 50% IMPERVIOUS SURFACES (EXCLUDING ANY STATEMANDATED BUFFER AREAS FROM SUCH CALCULATIONS).
- I. LIMIT THE AMOUNT OF AREA DISTURBED AT ANY ONE TIME TO NO GREATER THAN 25 ACRES OR 50% OF THE TOTAL PLANNED SITE, WHICHEVER IS LESS.
- J. USE "DIRT II" TECHNIQUES TO MODEL AND MANAGE STORM WATER RUNOFF (E.G., SEEP BERMS, SAND FILTERS, ANIONIC PAM), AVAILABLE ON THE EPD WEBSITE, WWW.GAEPD.ORG.

K. ADD APPROPRIATE ORGANIC SOIL AMENDMENTS (E.G., COMPOST) AND CONDUCT PRE- AND POST-CONSTRUCTION SOIL SAMPLING TO A DEPTH OF 6 (SIX) INCHES TO DOCUMENT IMPROVED LEVELS OF SOIL CARBON AFTER FINAL STABILIZATION OF THE CONSTRUCTION SITE.

L. USE MULCH FILTER BERMS, IN ADDITION TO A SILT FENCE, ON THE SITE PERIMETER WHEREVER STORM WATER MAY BE DISCHARGED.

M. APPLY THE APPROPRIATE GEORGIA DEPARTMENT OF TRANSPORTATION APPROVED EROSION CONTROL MATTING OR BLANKETS OR BONDED FIBER MATRIX TO ALL SLOPES STEEPER THAN 3:1.

N. USE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS INSTEAD OF CONCRETE IN CONSTRUCTION STORM WATER DITCHES AND STORM DRAINAGES DESIGNED FOR A 25 YEAR, 24 HOUR RAINFALL EVENT.

O. USE ANIONIC PAM UNDER A PASSIVE DOSING METHOD (E.G. FLOCCULANT BLOCKS) WITHIN CONSTRUCTION STORM WATER DITCHES AND STORM DRAINAGES THAT FEED INTO TEMPORARY SEDIMENT BASINS AND RETROFITTED MANAGEMENT BASINS.

P. INSTALL SOD FOR A MINIMUM 20 FOOT WIDTH, IN LIEU OF SEEDING, ALONG THE SITE PERIMETER WHEREVER STORM WATER MAY BE DISCHARGED.

Q. USE A SURFACE DRAINING SKIMMER DESIGNED TO DRAIN TEMPORARY SEDIMENT BASINS AND RETROFITTED STORMWATER MANAGEMENT BASINS OVER A MINIMUM THREE (3) DAY PERIOD.

R. CERTIFIED PERSONNEL SHALL CONDUCT INSPECTIONS AT LEAST TWICE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER IN ACCORDANCE WITH PART IV.D.4.A.(2). (A) - (C) OF THIS PERMIT.

S. APPLY THE APPROPRIATE COMPOST BLANKETS (MINIMUM DEPTH 1.5 INCHES) TO PROTECT SOIL SURFACES UNTIL VEGETATION IS ESTABLISHED DURING THE FINAL STABILIZATION PHASE OF THE CONSTRUCTION ACTIVITY.

T. USE ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE STATE SOIL AND WATER CONSERVATION COMMISSION).

**RETENTION OF RECORDS**

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

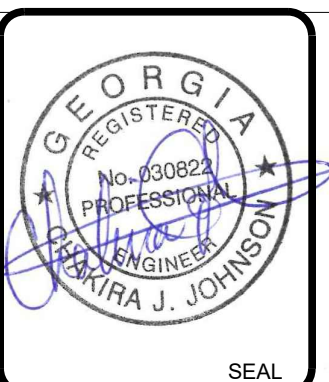
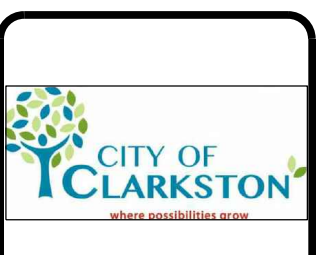
- A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
- B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
- C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
- D. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
- E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
- F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
- G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

**24 HOUR EROSION CONTROL CONTACT:**

PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE : 404-909-5619

Georgia Soil and Water Conservation Commission  
**Chakira J. Johnson**  
Level II Certified Design Professional  
CERTIFICATION NUMBER 7212  
ISSUED: 03/17/2018 EXPIRES: 03/17/2021



| NO. | DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|-----|------------|--------------------|------|------|-------|
| A   | 05/13/2018 | 15% PLAN SUBMITTAL |      |      |       |

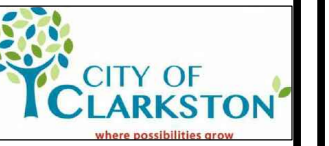
CITY OF CLARKSTON  
SPLOST PEDESTRIAN PROJECT B & C  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN  
POND PROJECT No. 1180426  
1500 Parkway Lane  
Peachtree Corners, GA 30092  
3002  
800.336.7744  
Fax 678.336.7744  
PLOT SCALE: 22' = 1" 1:1  
FILE NUMBER: ECF-0000017 Stormwater Pond.dwg  
PLOT DATE: 06/24/2018

ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN  
NPDES NOTE SHEET

SHEET IDENTIFICATION NUMBER  
51-003



# GSWCC EROSION, SEDIMENTATION, AND POLLUTION CONTROL CHECKLIST FOR STAND ALONE CONSTRUCTION PROJECTS



**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST  
INFRASTRUCTURE CONSTRUCTION PROJECTS**

SWCD: \_\_\_\_\_ DeKalb County

Project Name: Rawland Sheet Road Diet & Trail Head Address: ROWLAND STREET ROAD DIET AND TRAILHEAD  
City/County: Clarkston/DeKalb Date on Plans: June 2019

Name & email of person filling out checklist: Chakira Jhonson, PE

| Plan Page # | Included Y/N             | TO BE SHOWN ON ES&PC PLAN  |
|-------------|--------------------------|--|
| 51-05       | <input type="checkbox"/> | 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.<br><i>(The completed Checklist must be submitted with the ES&amp;PC Plan or the Plan will not be reviewed)</i>   |
| all         | <input type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified design professional.<br><i>(Signature, seal and Level II number must be on each sheet pertaining to ES&amp;PC Plan or the Plan will not be reviewed)</i>   |
| all         | <input type="checkbox"/> | 3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.  |
| all         | <input type="checkbox"/> | 4 Provide the name, address, email address, and phone number of primary permittee.   |
| 51-02       | <input type="checkbox"/> | 5 Note total and disturbed acreage of the project or phase under construction.   |
| 51-02       | <input type="checkbox"/> | 6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.  |
| all         | <input type="checkbox"/> | 7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.   |
| 51-04       | <input type="checkbox"/> | 8 Description of the nature of construction activity.  |
| 51-02       | <input type="checkbox"/> | 9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.  |
| 51-003      | <input type="checkbox"/> | 10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.  |
| 51-02       | <input type="checkbox"/> | 11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on <b>Part IV page 21</b> of the permit.   |
| 51-02       | <input type="checkbox"/> | 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 <b>Part IV page 20</b> of the permit.*   |
| 51-02       | <input type="checkbox"/> | 13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on <b>Part IV.D.6.c.(3) page 37</b> of the permit as applicable.*  |
| 51-04       | <input type="checkbox"/> | 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 <b>Part IV.A.5 page 26</b> of the permit *  |
| 51-03       | <input type="checkbox"/> | 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 wrested 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." |
| NA          | <input type="checkbox"/> | 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.   |
| 51-04       | <input type="checkbox"/> | 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."   |
| 51-004      | <input type="checkbox"/> | 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."   |

|       |                          |   |
|-------|--------------------------|---|
| 51-02 | <input type="checkbox"/> | 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."  |
| 51-02 | <input type="checkbox"/> | 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."   |
| 51-02 | <input type="checkbox"/> | 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."  |
| NA    | <input type="checkbox"/> | 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 an Biota 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.*  |
| NA    | <input type="checkbox"/> | 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.*   |
| 51-04 | <input type="checkbox"/> | 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.*   |
| 51-04 | <input type="checkbox"/> | 25 Provide BMPs for the remediation of all petroleum spills and leaks.  |
| 51-04 | <input type="checkbox"/> | 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.*  |
| 51-04 | <input type="checkbox"/> | 27 <b>Description of practices to provide cover for building materials and building products on site.*</b>  |
| 51-04 | <input type="checkbox"/> | 28 Description of the practices that will be used to reduce the pollutants in storm water discharges.*  |
| 51-02 | <input type="checkbox"/> | 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).   |
| 51-04 | <input type="checkbox"/> | 30 Provide complete requirements of inspections and record keeping by the primary permittee.*   |
| 51-04 | <input type="checkbox"/> | 31 Provide complete requirements of sampling frequency and reporting of sampling results.*  |
| 51-03 | <input type="checkbox"/> | 32 Provide complete details for retention of records as per Part IV.F. of the permit.*  |
| 51-04 | <input type="checkbox"/> | 33 Description of analytical methods to be used to collect and analyze the samples from each location.*   |
| 51-04 | <input type="checkbox"/> | 34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*  |
| 54-01 | <input type="checkbox"/> | 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.*  |
| 54-xx | <input type="checkbox"/> | 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.* |
| all   | <input type="checkbox"/> | 37 Graphic scale and North arrow.   |
| 54-xx | <input type="checkbox"/> | 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         |

|       |                          |   |
|-------|--------------------------|---|
| NA    | <input type="checkbox"/> | 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 EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at <a href="http://www.gaswcc.org">www.gaswcc.org</a> .  |
| 51-03 | <input type="checkbox"/> | 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.*   |
| NA    | <input type="checkbox"/> | 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.  |
| NA    | <input type="checkbox"/> | 42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.   |
| 51-02 | <input type="checkbox"/> | 43 Delineation and acreage of contributing drainage basins on the project site.   |
| 51-02 | <input type="checkbox"/> | 44 Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.   |
| 51-02 | <input type="checkbox"/> | 45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.   |
| 54-01 | <input type="checkbox"/> | 46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.  |
| 51-02 | <input type="checkbox"/> | 47 Soil series for the project site and their delineation.  |
| 54-xx | <input type="checkbox"/> | 48 The limits of disturbance for each phase of construction.  |
| N/A   | <input type="checkbox"/> | 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. |
| 54-xx | <input type="checkbox"/> | 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.  |
| 56-xx | <input type="checkbox"/> | 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.  |
| 54-xx | <input type="checkbox"/> | 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.<br><br>*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, 2019

NOTICE OF INTENT (NOI)

NOTICE OF INTENT NOTES:

1. CONTRACTOR SHALL AFFIX THE COMPLETED NOI TO THIS SHEET AS APPROVED BY ISSUING AUTHORITY.

**24 HOUR EROSION CONTROL CONTACT:**

PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE : 404-909-5619

Georgia Soil and Water Conservation Commission

**Chakira J. Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER **7212**  
ISSUED: **03/17/2018** EXPIRES: **03/17/2021**

| DATE       | DESCRIPTION        | DATE | APPR. |
|------------|--------------------|------|-------|
| 05.13.2019 | 50% PLAN SUBMITTAL |      |       |

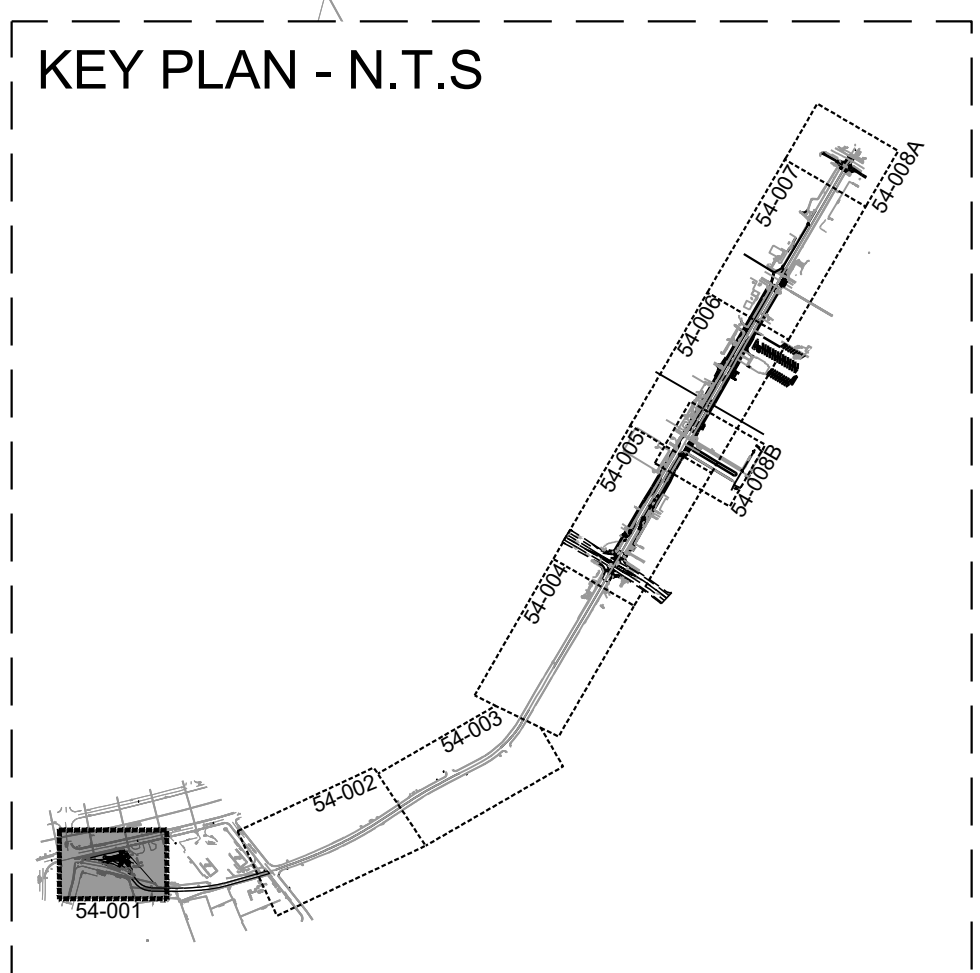
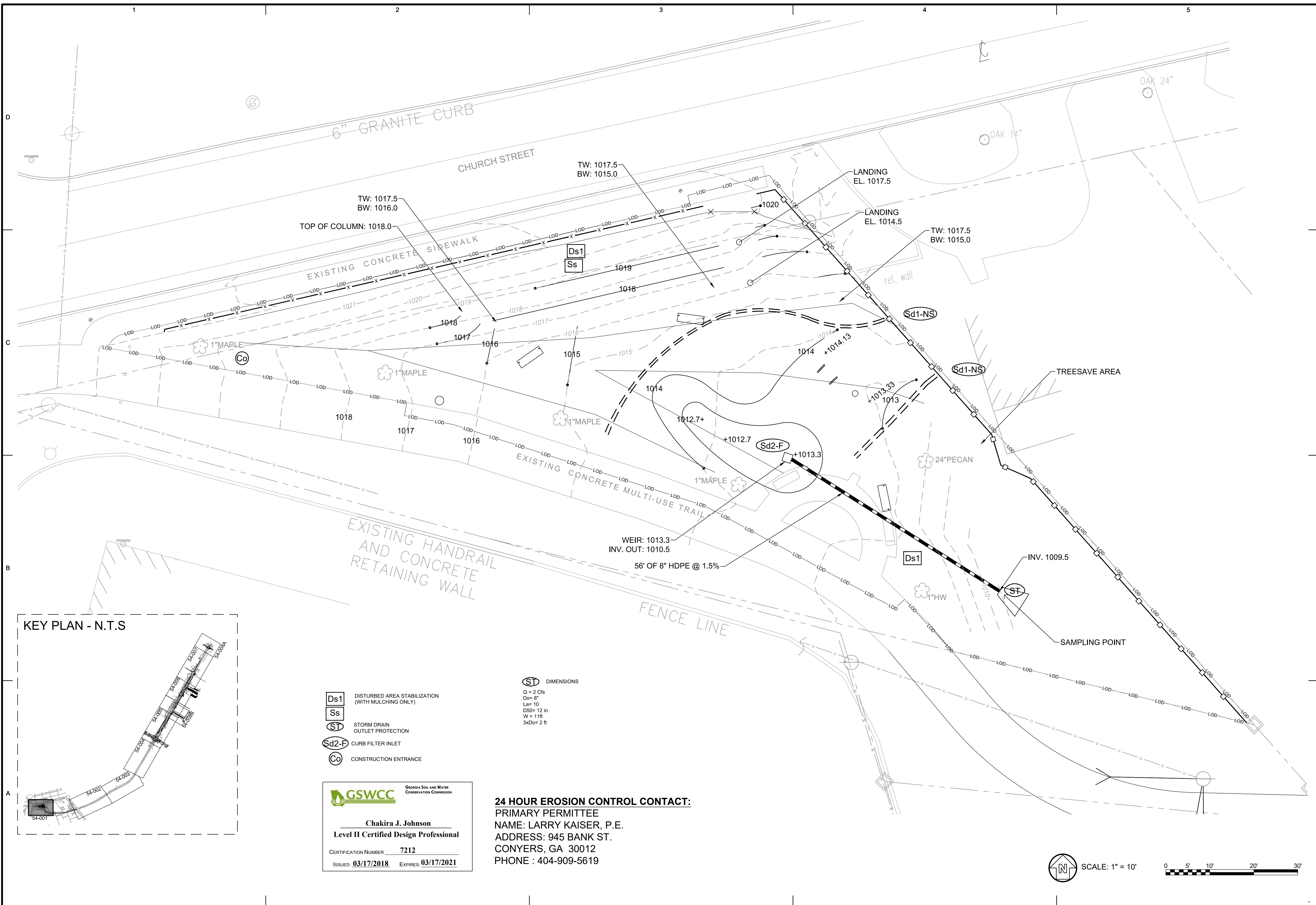
|   |                |                      |   |                             |
|---|----------------|----------------------|---|-----------------------------|
| DESIGNED BY:<br>XXX   | DATE:          | SOLICITATION NO.:    | CONTRACT NO.:                                   | PLOT DATE:<br>06/20/2019    |
| DRAWN BY:<br>XXX  | CRD BY:<br>XXX | SUBMITTED BY:<br>XXX | FILE NUMBER:<br>ECC-009-017 Stormwater Pond.dwg | PLOT SCALE:<br>22" x 34" 1" |
| <b>CITY OF CLARKSTON</b><br>SPLOST PEDESTRIAN PROJECT B & C -<br>ROWLAND STREET ROAD DIET<br>TRAILHEAD DESIGN<br>3500 Parkway Lane<br>30062 SUITE 600<br>Phone: 678.336.7740<br>Fax: 678.336.7744<br>POND PROJECT No. 1180426 |                |                      |   |                             |

ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN

SCANNED  
DOCUMENTS SHEET

SHEET  
IDENTIFICATION  
NUMBER  
**51-005**

FILE PATH: C:\CLARKSTON7 - CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\REF264-001.DWG PLOTTED BY: JSANCHEZ

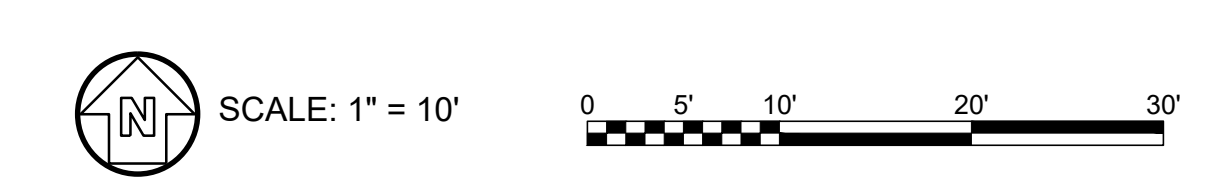


- Ds1** DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ss** STORM DRAIN OUTLET PROTECTION
- ST** CURB FILTER INLET
- Co** CONSTRUCTION ENTRANCE

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J. Johnson**  
 Level II Certified Design Professional  
 CERTIFICATION NUMBER: 7212  
 ISSUED: 03/17/2018 EXPIRES: 03/17/2021

**24 HOUR EROSION CONTROL CONTACT:**  
 PRIMARY PERMITTEE  
 NAME: LARRY KAISER, P.E.  
 ADDRESS: 945 BANK ST.  
 CONYERS, GA 30012  
 PHONE: 404-909-5619



| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 05/13/2019 | 50% PLAN SUBMITTAL | A    |      |       |

DESIGNED BY: XXX

CHECKED BY: XXX

SUBMITTED BY: XXX

FILE NAME: 54-001.dwg

PLOT SCALE: 2" x 34" 1:1

DATE: 05/13/2019

SOLICITATION NO.:

CONTRACT NO.:

FILE NUMBER:

PLOT DATE: 06/20/2019

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C - ROW/ TRAILHEAD DESIGN

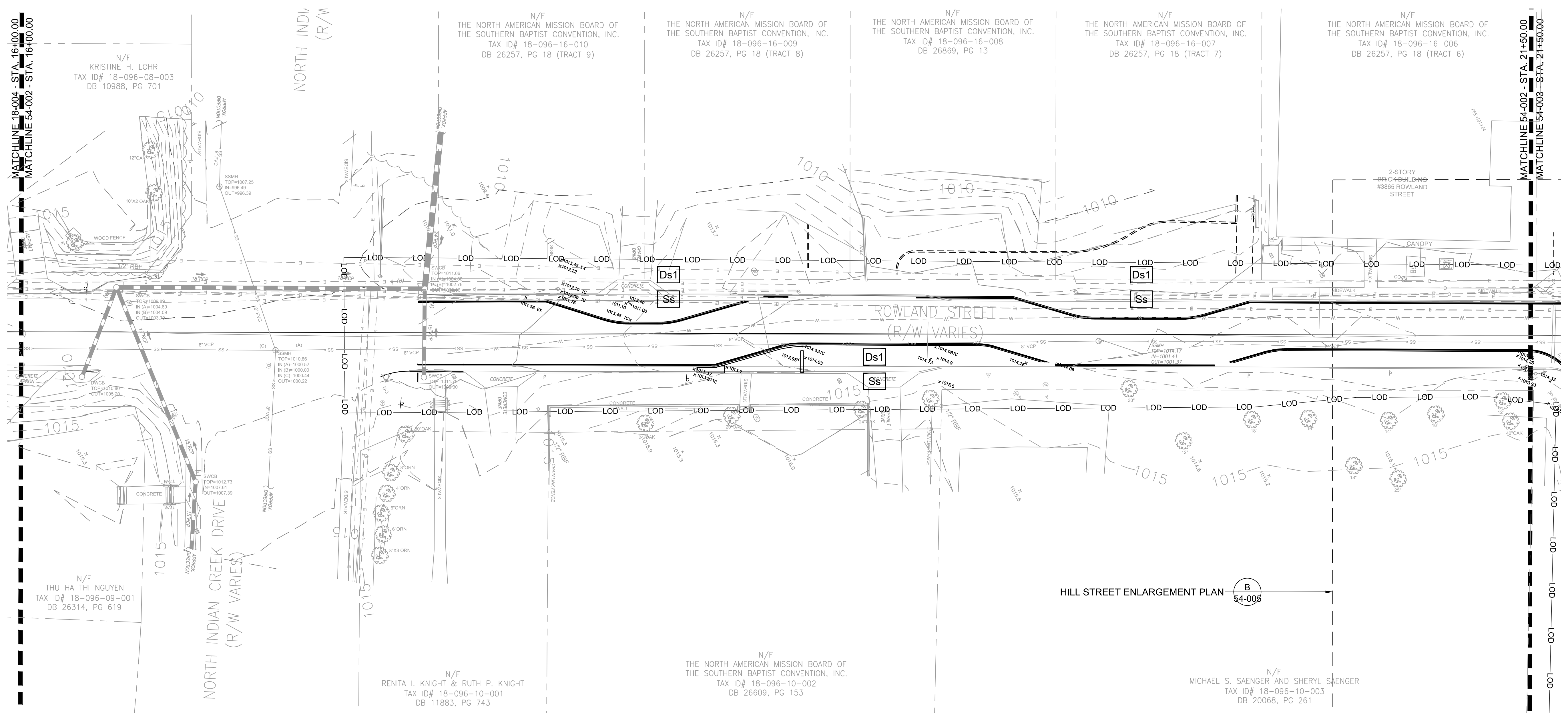
**POND**  
 3000 Parkway Lane, GA 30052, SUITE 500  
 Phone: 678.357.7740 Fax: 678.357.7744

POND PROJECT No. 1180426

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**  
 EROSION SEDIMENTATION  
 POLLUTION CONTROL  
 PHASE I

SHEET IDENTIFICATION NUMBER  
**54-001**

FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0 CD DRAWINGS\REF254-002\_005\_P1.DWG PLOTTED BY: JCUNNINGHAM



**NOTES:**

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, 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 AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

**LEGEND**

**Ds1** DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

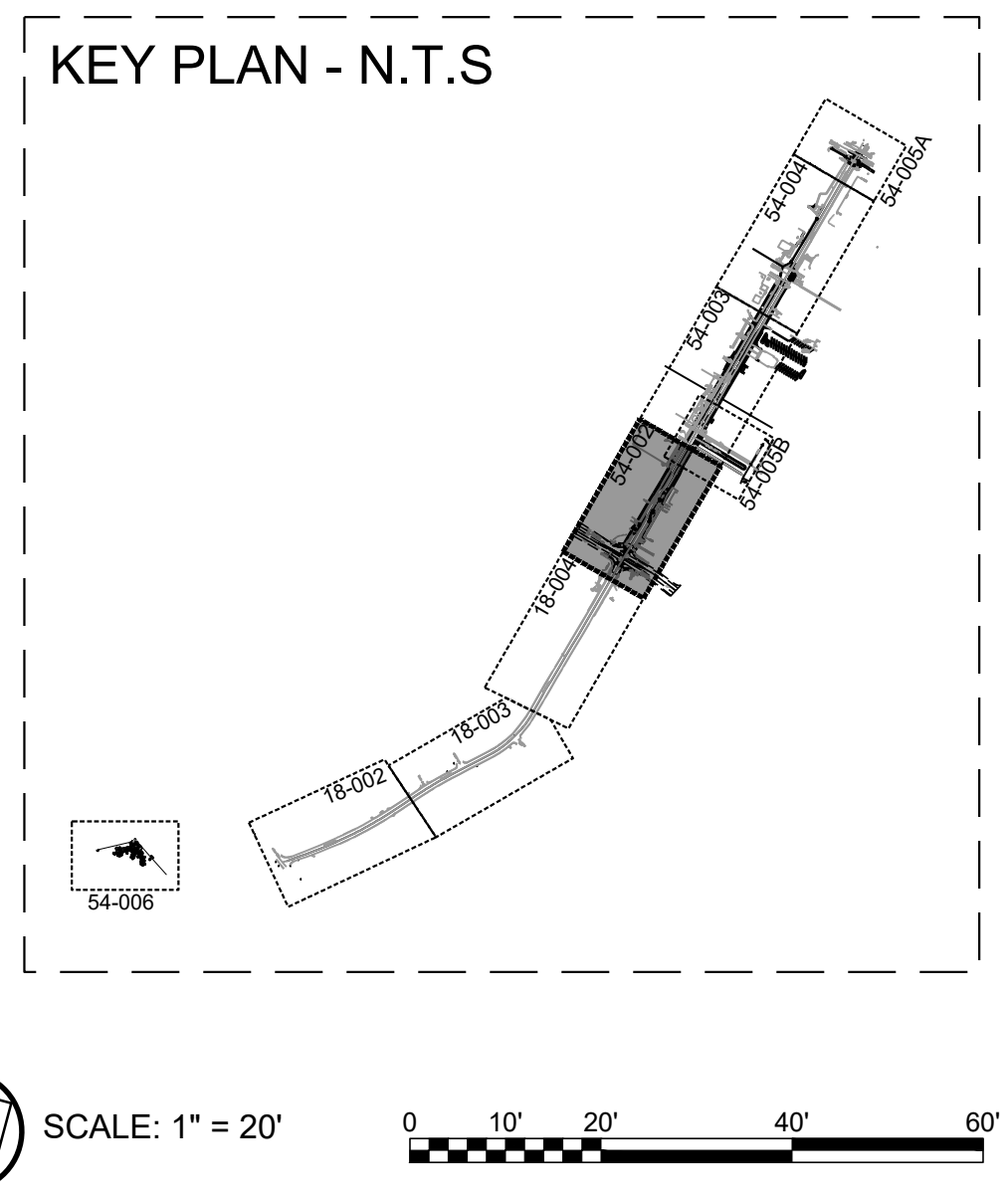
**Ss** SLOPE STABILIZATION

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER **7212**  
ISSUED: **03/17/2018** EXPIRES: **03/17/2021**

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE : 404-909-5619



**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
POND PROJECT No. 1180426

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
ESCP PHASE I

SHEET IDENTIFICATION NUMBER  
**54-002**

DESIGNED BY: CJJ  
DWN BY: JDC  
SUBMITTED BY: CJJ  
FILE NAME: 54-002\_005\_P1.dwg  
SIZE: 22' x 34'  
PLOT SCALE: 1" = 11'

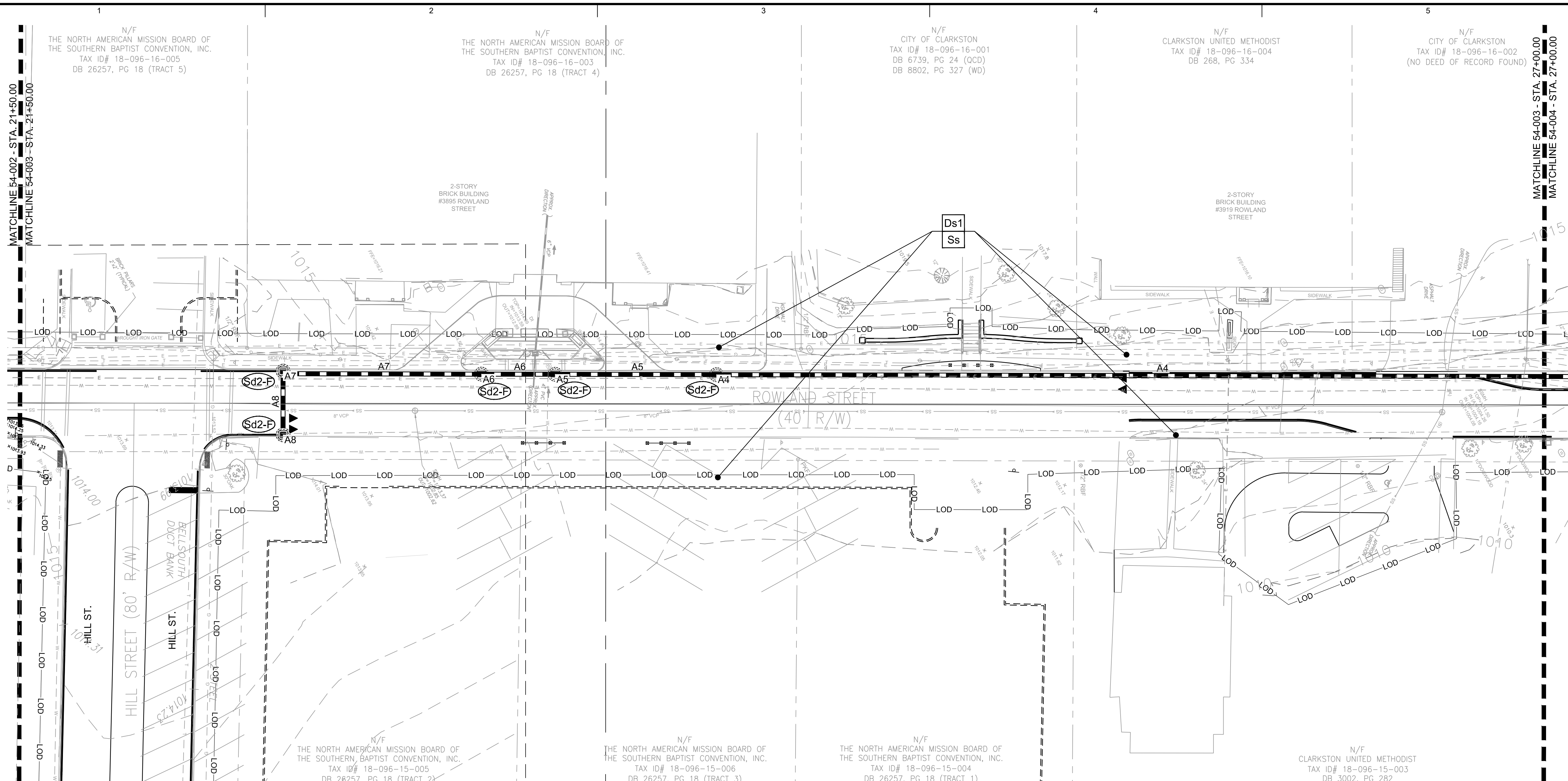
DATE: 06/20/2019  
SOLICITATION NO.:  
CONTRACT NO.:  
PLOT NUMBER:  
PLOT DATE: 06/20/2019

| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 06.13.2019 | 50% PLAN SUBMITTAL | A    |      |       |

REGISTERED PROFESSIONAL ENGINEER  
No. 83082  
Chakira J. Johnson  
SEAL

NOT RELEASED FOR CONSTRUCTION

FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0 CD DRAWINGS\REF254-002\_005\_P1.DWG PLOTTED BY: JCUNNINGHAM



**NOTES:**

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, 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 AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

**LEGEND**

- Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ss SLOPE STABILIZATION
- Sd2-F FILTER FABRIC WITH SUPPORTING FRAME

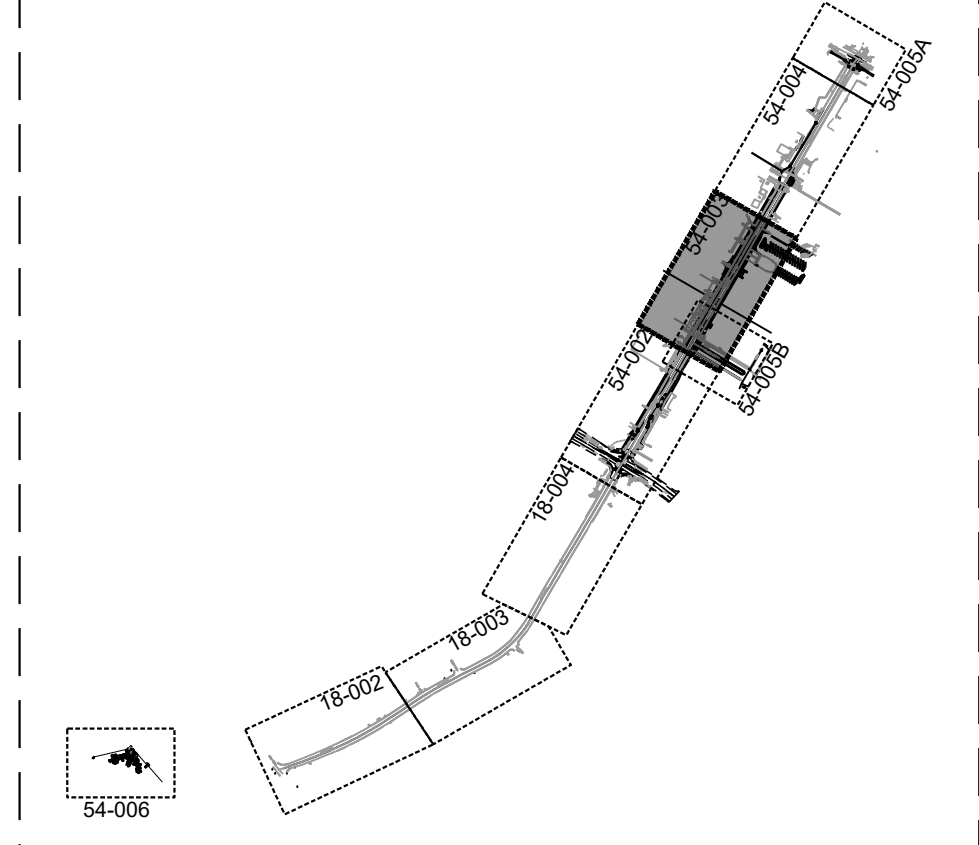
**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J. Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER **7212**  
ISSUED: **03/17/2018** EXPIRES: **03/17/2021**

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE: 404-909-5619

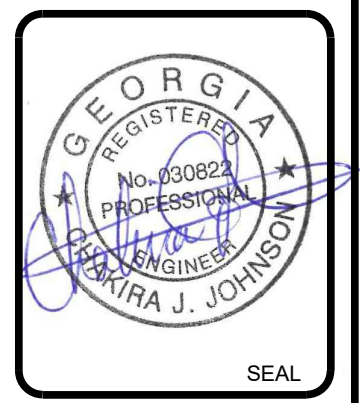
**KEY PLAN - N.T.S**



SCALE: 1" = 20'

0 10' 20' 40' 60'

NOT RELEASED FOR CONSTRUCTION



| MARK | DESCRIPTION        | DATE       | APPR. |
|------|--------------------|------------|-------|
| A    | 50% PLAN SUBMITTAL | 06.13.2019 |       |

|                   |                              |                       |
|-------------------|------------------------------|-----------------------|
| DESIGNED BY: CJJ  | DATE: 06.13.2019             | SOLICITATION NO.:     |
| DWN BY: JDC       | CRD BY: CJJ                  | CONTRACT NO.:         |
| SUBMITTED BY: JDC | FILE NAME: 54-002_005_P1.dwg | FILE NUMBER:          |
|                   | SIZE: 22' x 34'              | PLOT SCALE: 1" = 11'  |
|                   |                              | PLOT DATE: 06/20/2019 |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
POND PROJECT No. 1180426

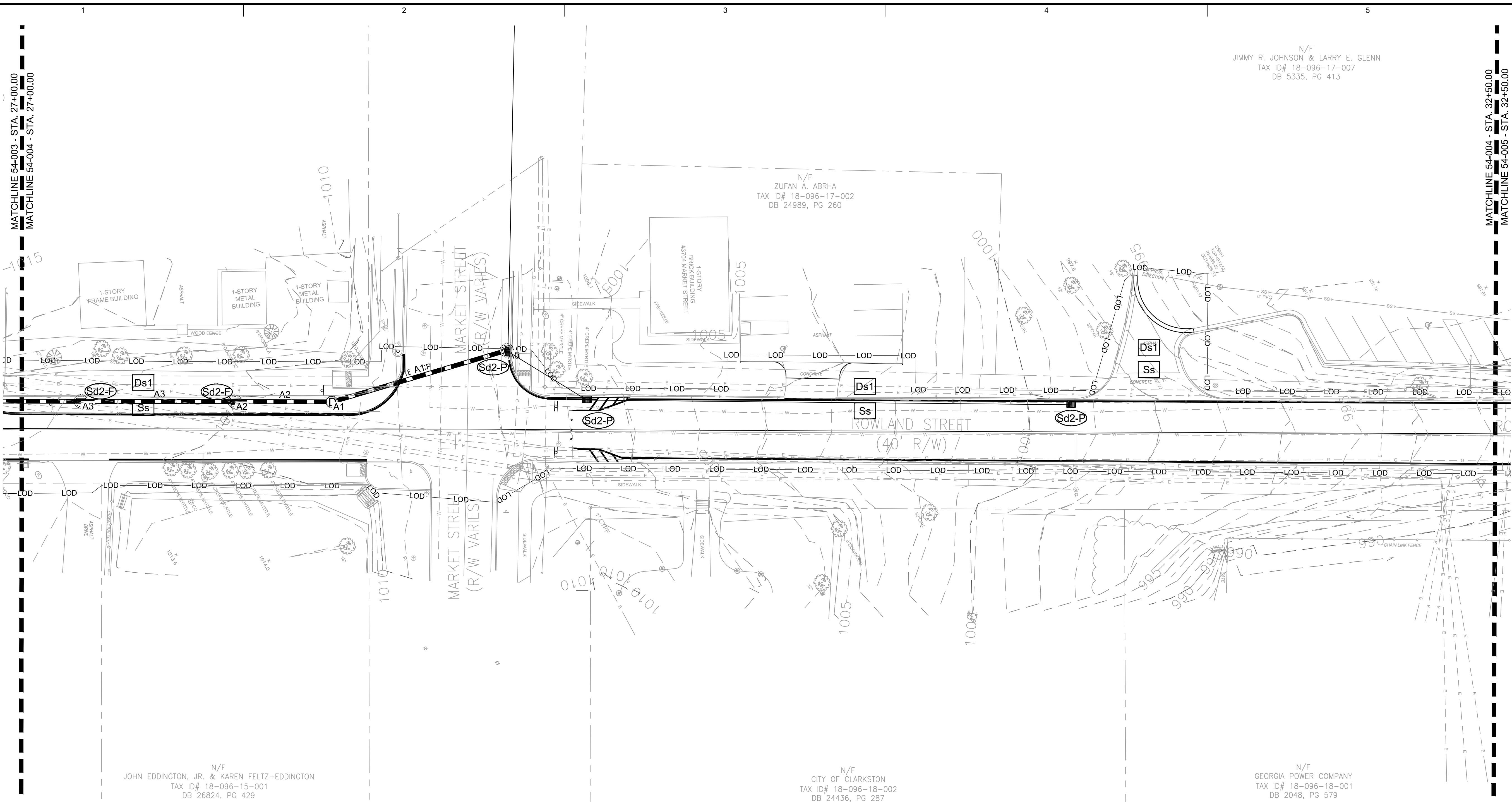
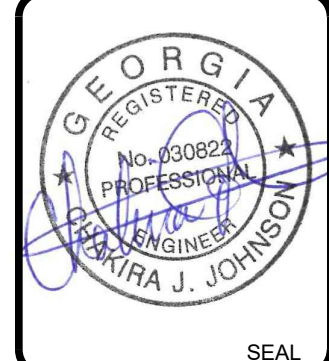
**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**

ESCP PHASE I

SHEET IDENTIFICATION NUMBER  
**54-003**



N/F  
 JIMMY R. JOHNSON & LARRY E. GLENN  
 TAX ID# 18-096-17-007  
 DB 5335, PG 413



**NOTES:**

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**GSWCC** Georgia Soil and Water Conservation Commission

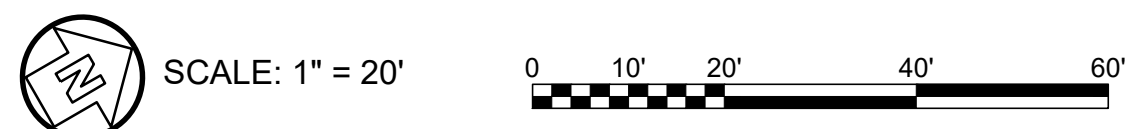
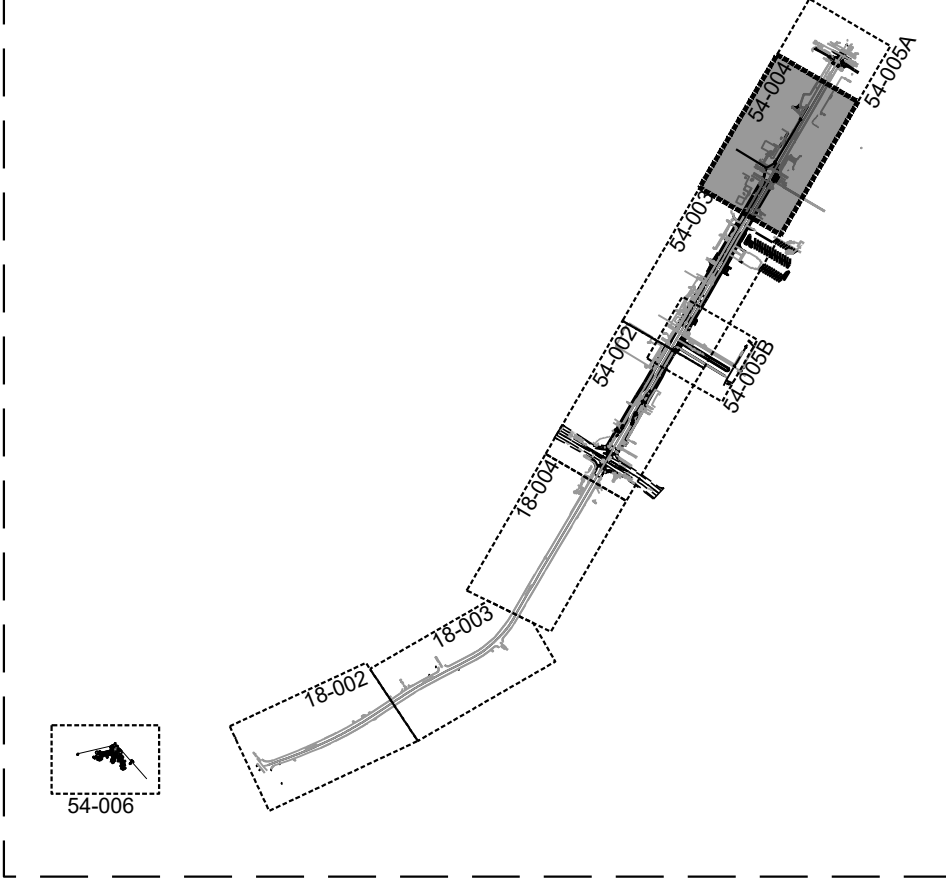
**Chakira J. Johnson**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: 7212  
 ISSUED: 03/17/2018 EXPIRES: 03/17/2021

- LEGEND**
- Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
  - Ss SLOPE STABILIZATION
  - Sd2-P CURB FILTER INLET
  - Sd2-F FILTER FABRIC WITH SUPPORTING FRAME

**24 HOUR EROSION CONTROL CONTACT:**  
 PRIMARY PERMITTEE  
 NAME: LARRY KAISER, P.E.  
 ADDRESS: 945 BANK ST.  
 CONYERS, GA 30012  
 PHONE : 404-909-5619

**KEY PLAN - N.T.S**



| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 06.13.2019 | 50% PLAN SUBMITTAL |      |      |       |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

DESIGNED BY: CJJ  
 DWN BY: CJJ  
 SUBMITTED BY: CJJ

DATE: 06/20/2019  
 SOLICITATION NO.:  
 CONTRACT NO.:  
 FILE NAME: 54-002\_005\_P1.dwg  
 FILE NUMBER:  
 PLOT SCALE: 22' x 34' 1:1

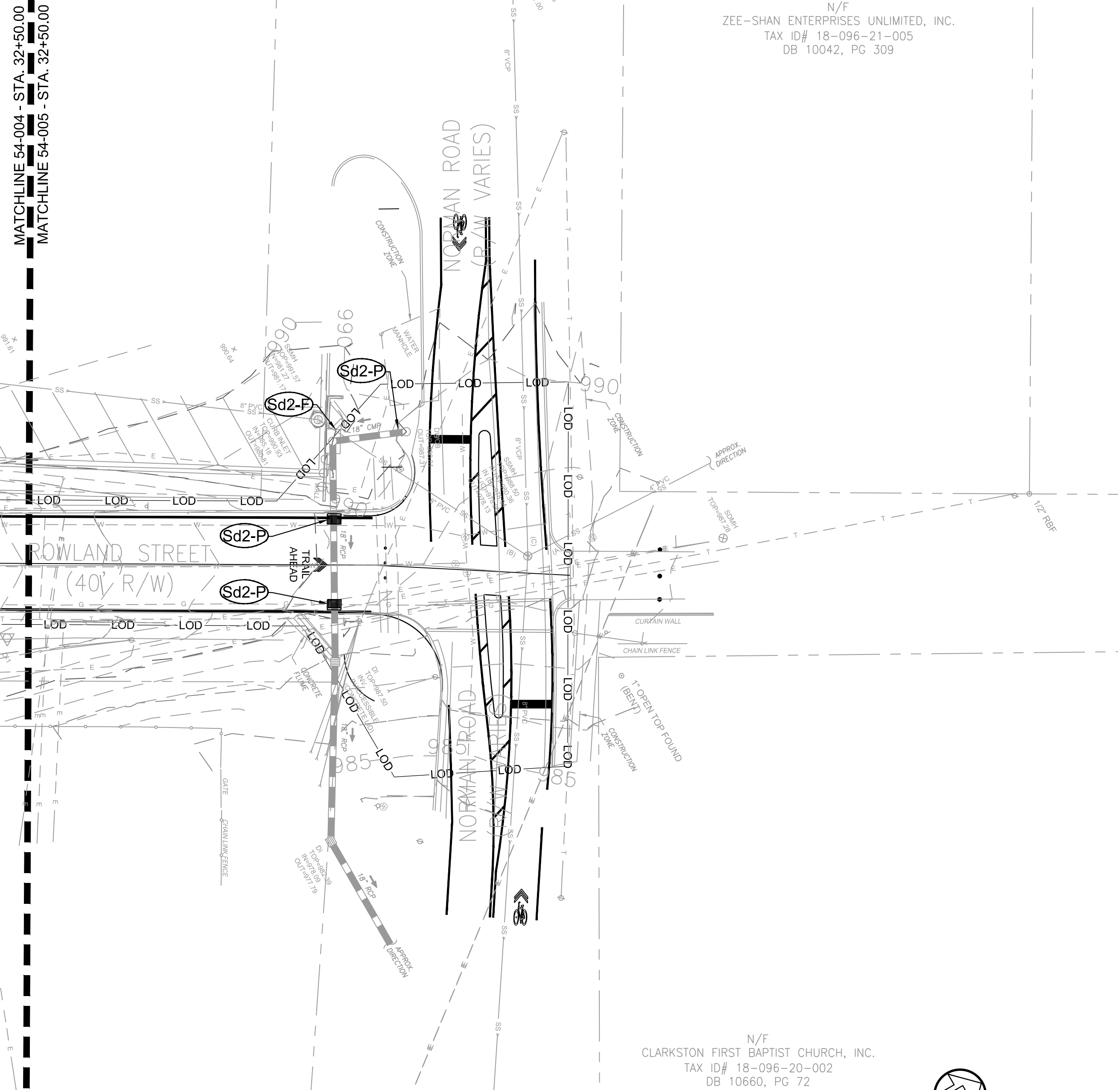
**POND**  
 POND PROJECT No. 1180426 Fax: 678.336.7744

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

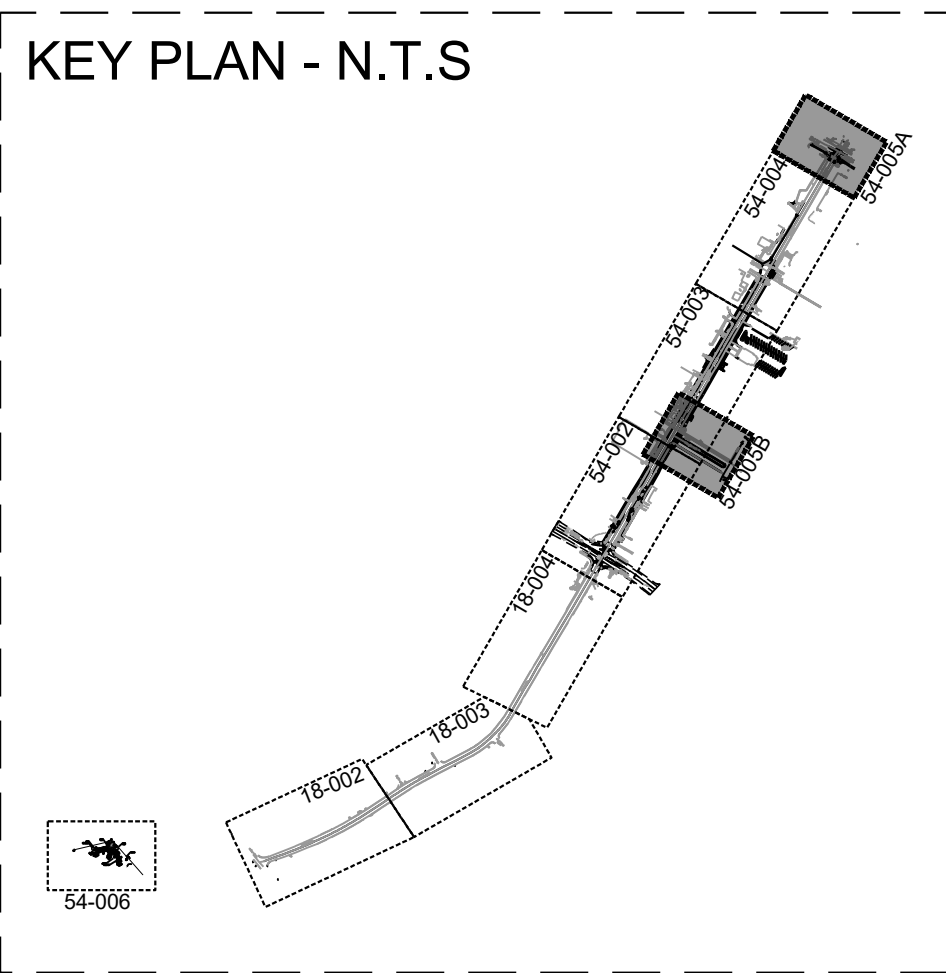
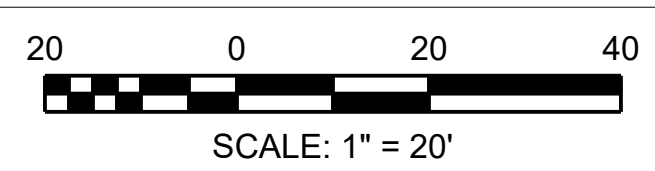
ESCP PHASE I

SHEET IDENTIFICATION NUMBER  
**54-004**

FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0 CD DRAWINGS\REF254-002\_005\_P1.DWG PLOTTED BY: JCUNNINGHAM



**A ESCP PHASE 1 PLAN**  
SCALE: 1" = 20'-0"



**NOTES:**

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

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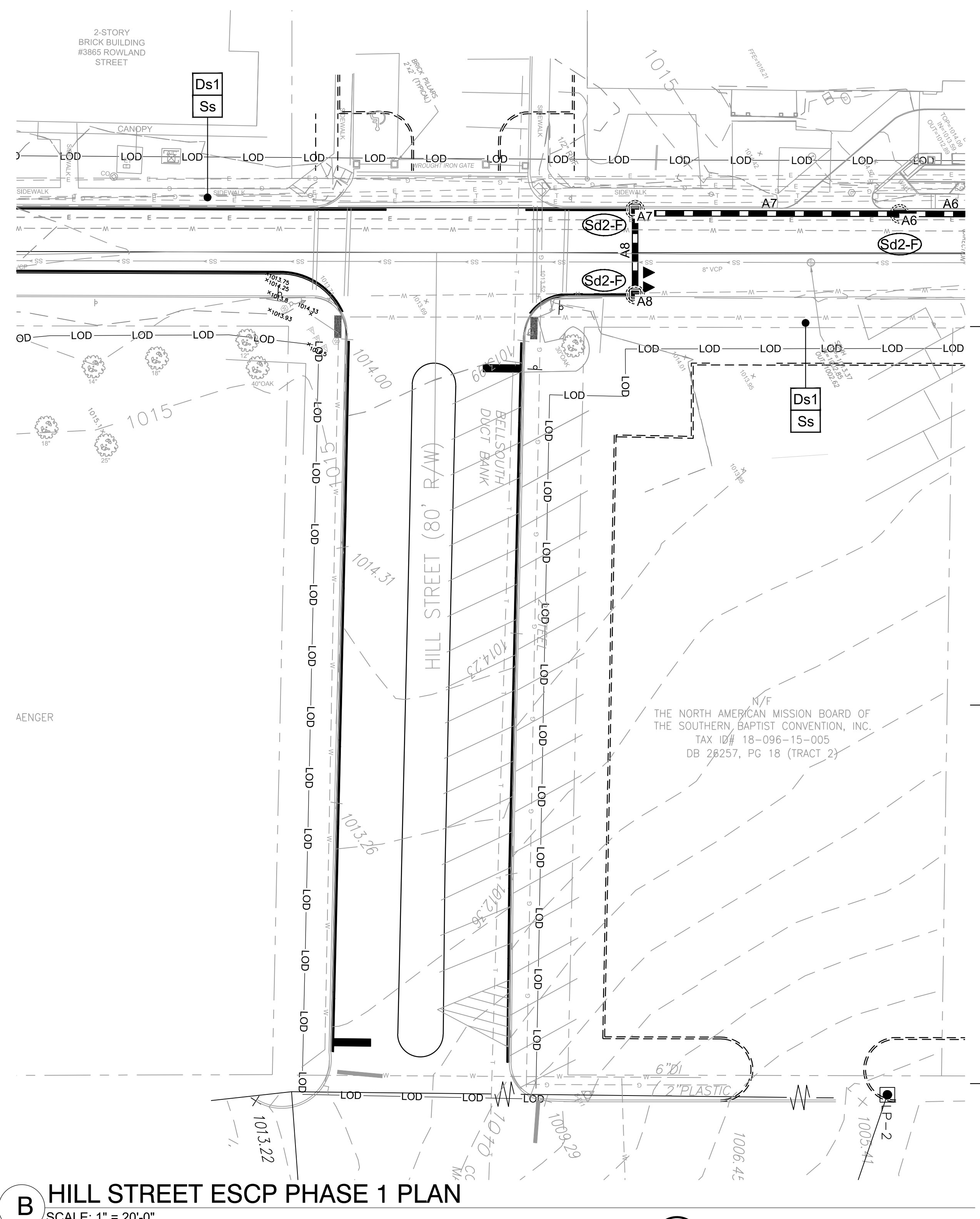
**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER: 7212  
ISSUED: 03/17/2018 EXPIRES: 03/17/2021

- LEGEND**
- Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
  - Ss SLOPE STABILIZATION
  - Sd2-P CURB FILTER INLET
  - Sd2-F FILTER FABRIC WITH SUPPORTING FRAME

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE: 404-909-5619



**B HILL STREET ESCP PHASE 1 PLAN**  
SCALE: 1" = 20'-0"



| DATE       | DESIGNED BY: | CHKD BY: | SOLICITATION NO.: | CONTRACT NO.: | FILE NAME:        | PLOT DATE: | PLOT SCALE:   | MARK | DESCRIPTION | DATE | APPR. |
|------------|--------------|----------|-------------------|---------------|-------------------|------------|---------------|------|-------------|------|-------|
| 06.13.2019 | CJJ          | CJJ      |                   |               | 54-002_005_P1.dwg | 06/20/2019 | 22' x 34' 11" |      |             |      |       |
|            |              |          |                   |               |                   |            |               |      |             |      |       |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
POND PROJECT No. 1180426

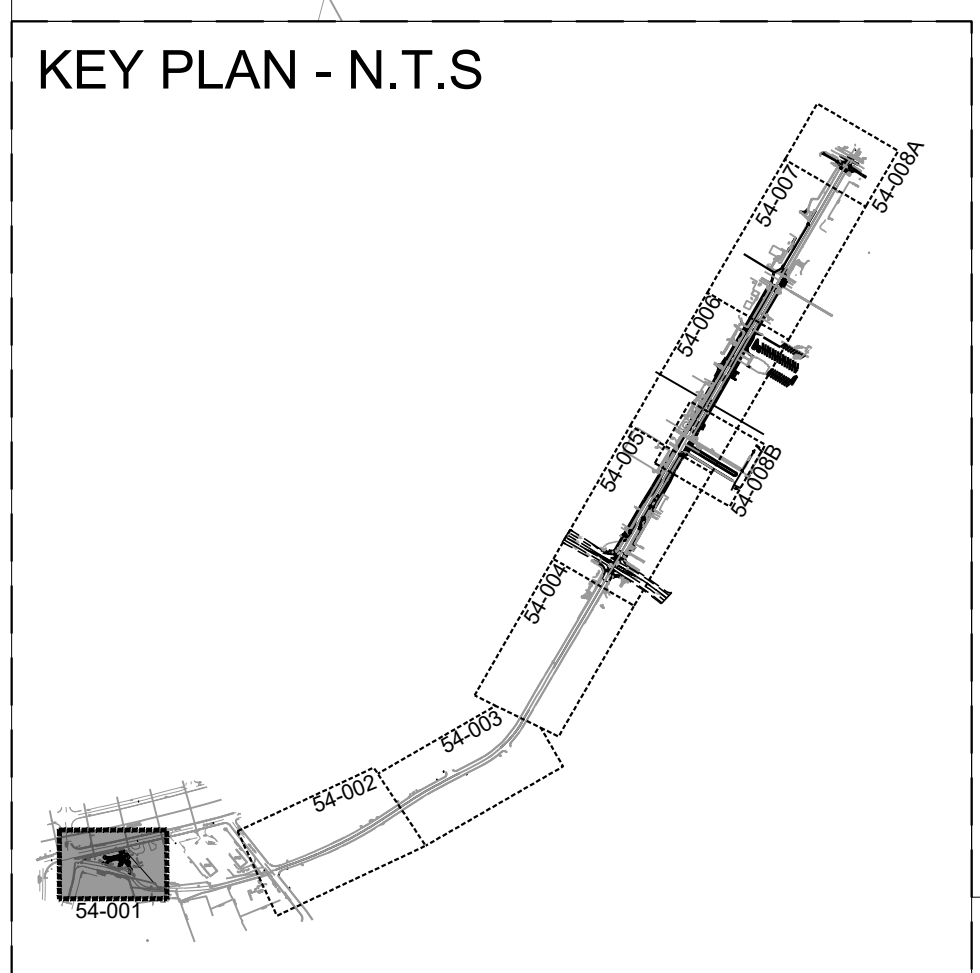
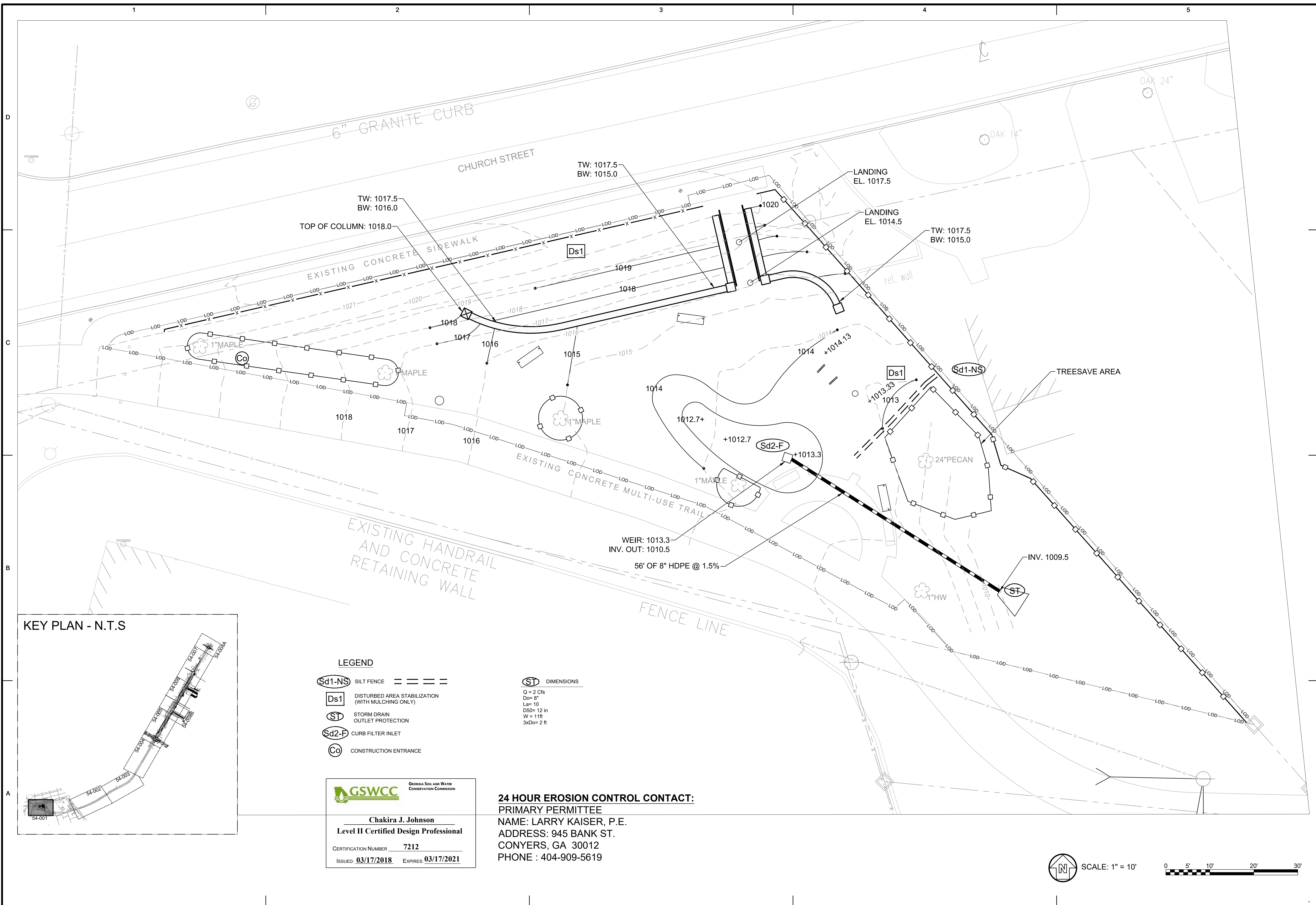
**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

ESCP PHASE I

SHEET IDENTIFICATION NUMBER  
**54-005**

NOT RELEASED FOR CONSTRUCTION

FILE PATH: C:\CLARKSTON\7. CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\REF264-006.DWG PLOTTED BY: JSANCHEZ



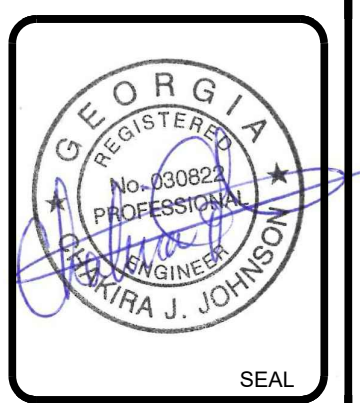
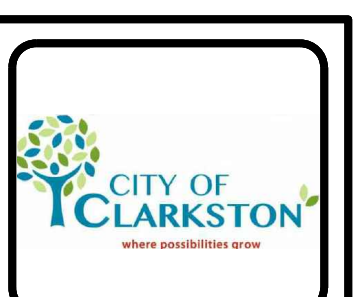
- LEGEND**
- (Sd1-NS)** SILT FENCE
  - (Ds1)** DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
  - (ST)** STORM DRAIN OUTLET PROTECTION
  - (Sd2-F)** CURB FILTER INLET
  - (Co)** CONSTRUCTION ENTRANCE
- (ST) DIMENSIONS**
- Q = 2 Cfs
  - Do = 8"
  - La = 10
  - D50 = 12 in
  - W = 11ft
  - 3xD0 = 2 ft

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J. Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER 7212  
ISSUED: 03/17/2018 EXPIRES: 03/17/2021

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE : 404-909-5619



| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 05/13/2019 | 50% PLAN SUBMITTAL |      |      |       |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C - ROW/ TRAILHEAD DESIGN

DESIGNED BY: XXX  
DRAWN BY: XXX  
CHECKED BY: XXX  
SUBMITTED BY: XXX

DATE: 05/13/2019  
SOLICITATION NO.:  
CONTRACT NO.:  
FILE NUMBER:  
PLOT DATE: 06/20/2019

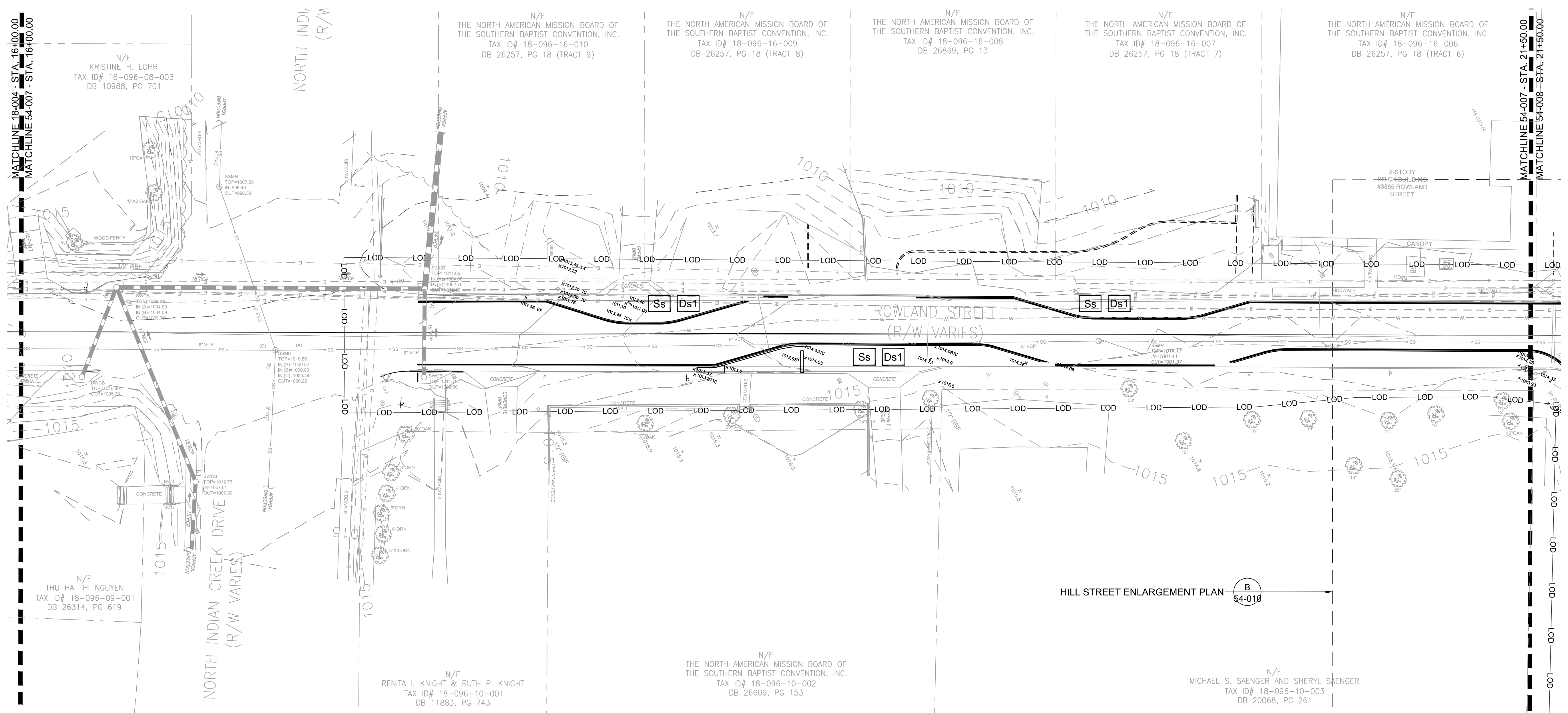
FILE NAME: 54-006.dwg  
SIZE: 2P x 34"  
PLOT SCALE: 1:1

**POND**  
POND PROJECT No. 1180426, P. 8/26/2017

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
EROSION SEDIMENTATION POLLUTION CONTROL  
PHASE II

SHEET IDENTIFICATION NUMBER  
**54-006**

FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0 CD DRAWINGS\REF254-007\_010\_P2.DWG PLOTTED BY: JCUNNINGHAM



**NOTES:**

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**LEGEND**

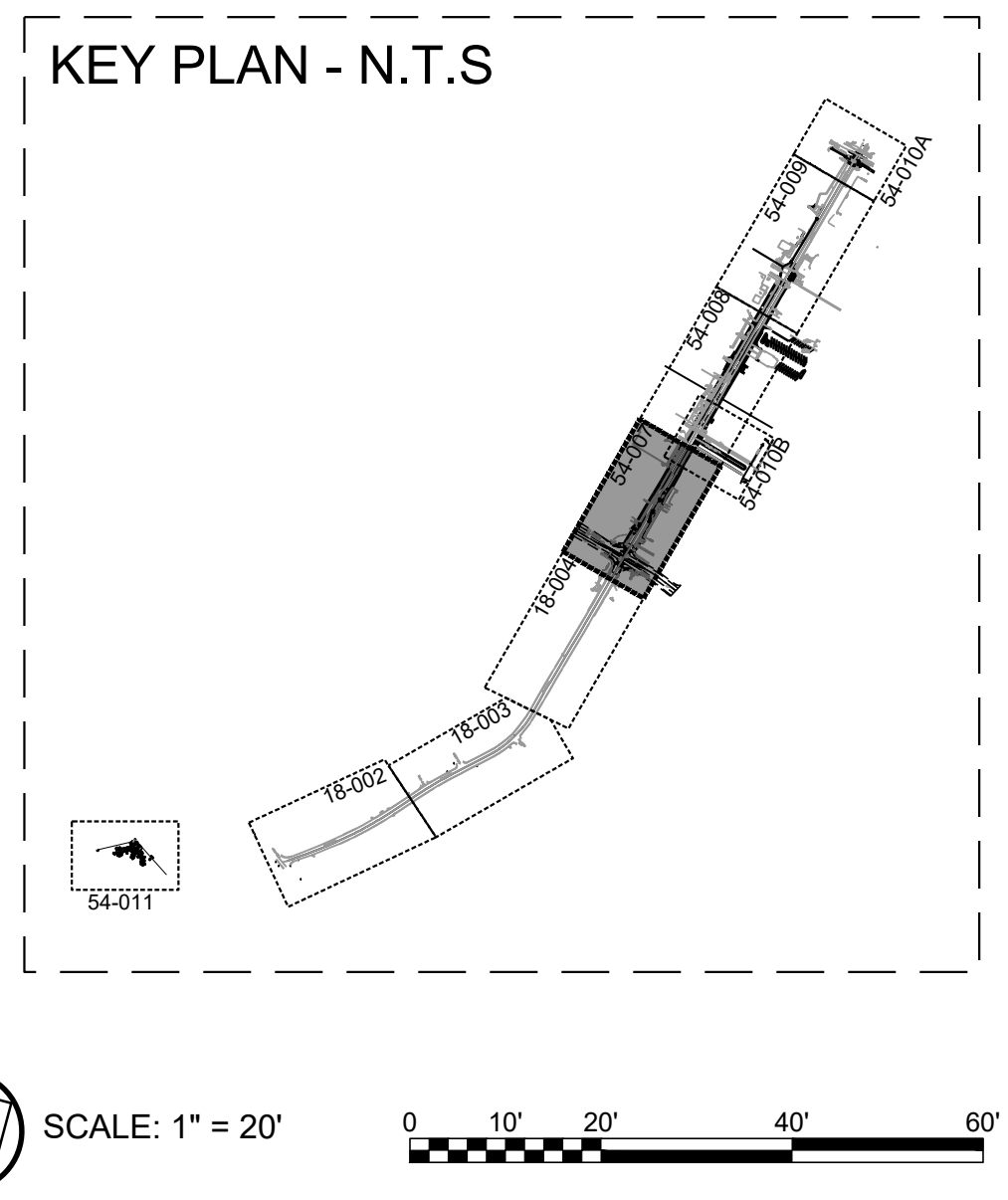
**Ds1** DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

**Ss** SLOPE STABILIZATION

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J Johnson**  
Level II Certified Design Professional  
CERTIFICATION NUMBER: 7212  
ISSUED: 03/17/2018 EXPIRES: 03/17/2021

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE : 404-909-5619



**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C - ROWLAND STREET ROAD DIET TRAILHEAD DESIGN

**POND**  
POND PROJECT No. 1180426

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
ESCP PHASE II

SHEET IDENTIFICATION NUMBER: **54-007**

DESIGNED BY: CJJ  
DWN BY: JDC  
SUBMITTED BY: CJJ  
FILE NAME: 54-007\_P02.dwg  
SIZE: 22' x 34'  
PLOT SCALE: 1" = 11'

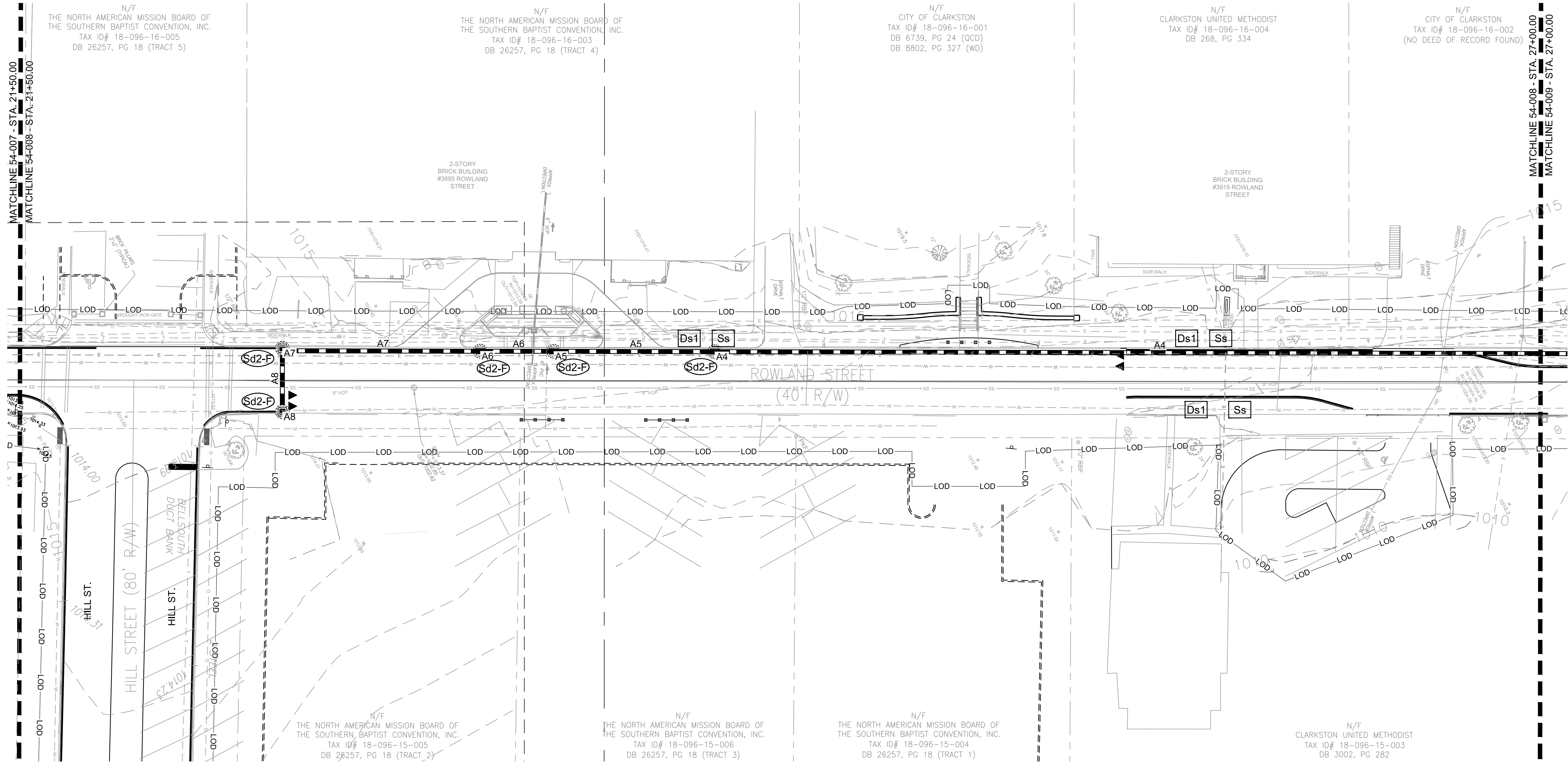
DATE: 06/20/2019  
SOLICITATION NO.:  
CONTRACT NO.:  
FILE NUMBER:  
PLOT DATE: 06/20/2019

| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 06/13/2019 | 50% PLAN SUBMITTAL | A    |      |       |

REGISTERED PROFESSIONAL ENGINEER  
No. 83082  
Chakira J. Johnson  
SEAL

NOT RELEASED FOR CONSTRUCTION

FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0 CD DRAWINGS\REF254-007\_010\_P2.DWG PLOTTED BY: JCUNNINGHAM



**NOTES:**

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**LEGEND**

- Ds1** DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ss** SLOPE STABILIZATION
- Sd2-F** FILTER FABRIC WITH SUPPORTING FRAME

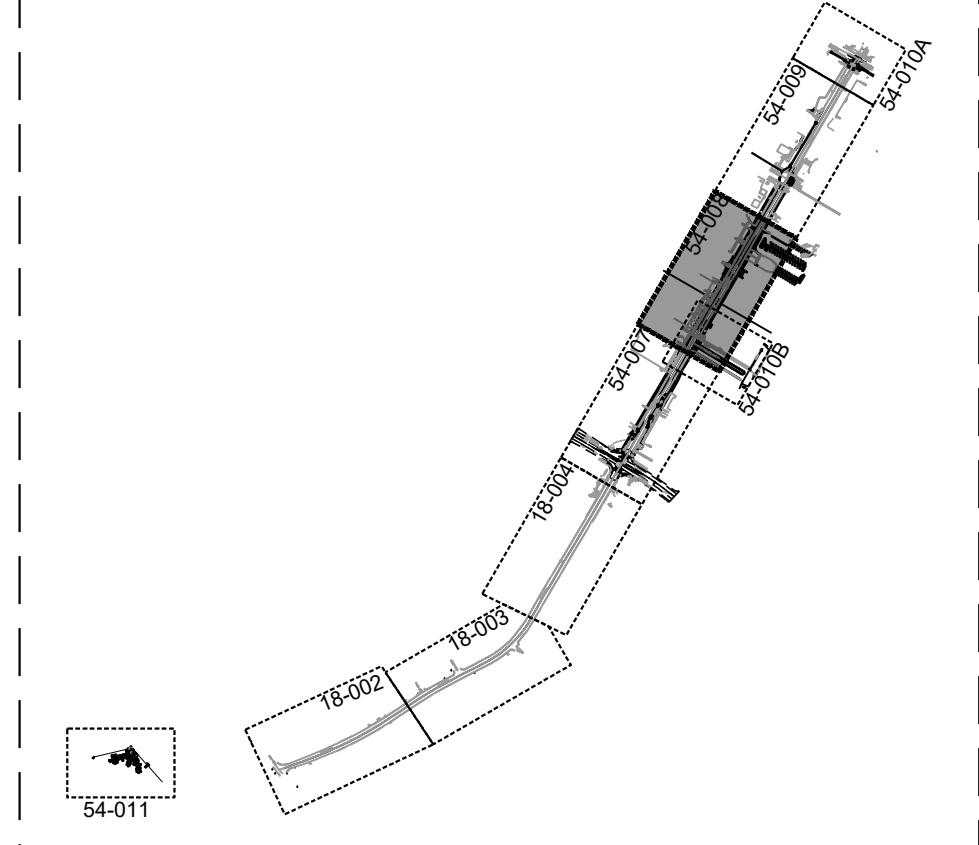
**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J. Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER 7212  
ISSUED: 03/17/2018 EXPIRES: 03/17/2021

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE: 404-909-5619

**KEY PLAN - N.T.S**



SCALE: 1" = 20'

NOT RELEASED FOR CONSTRUCTION

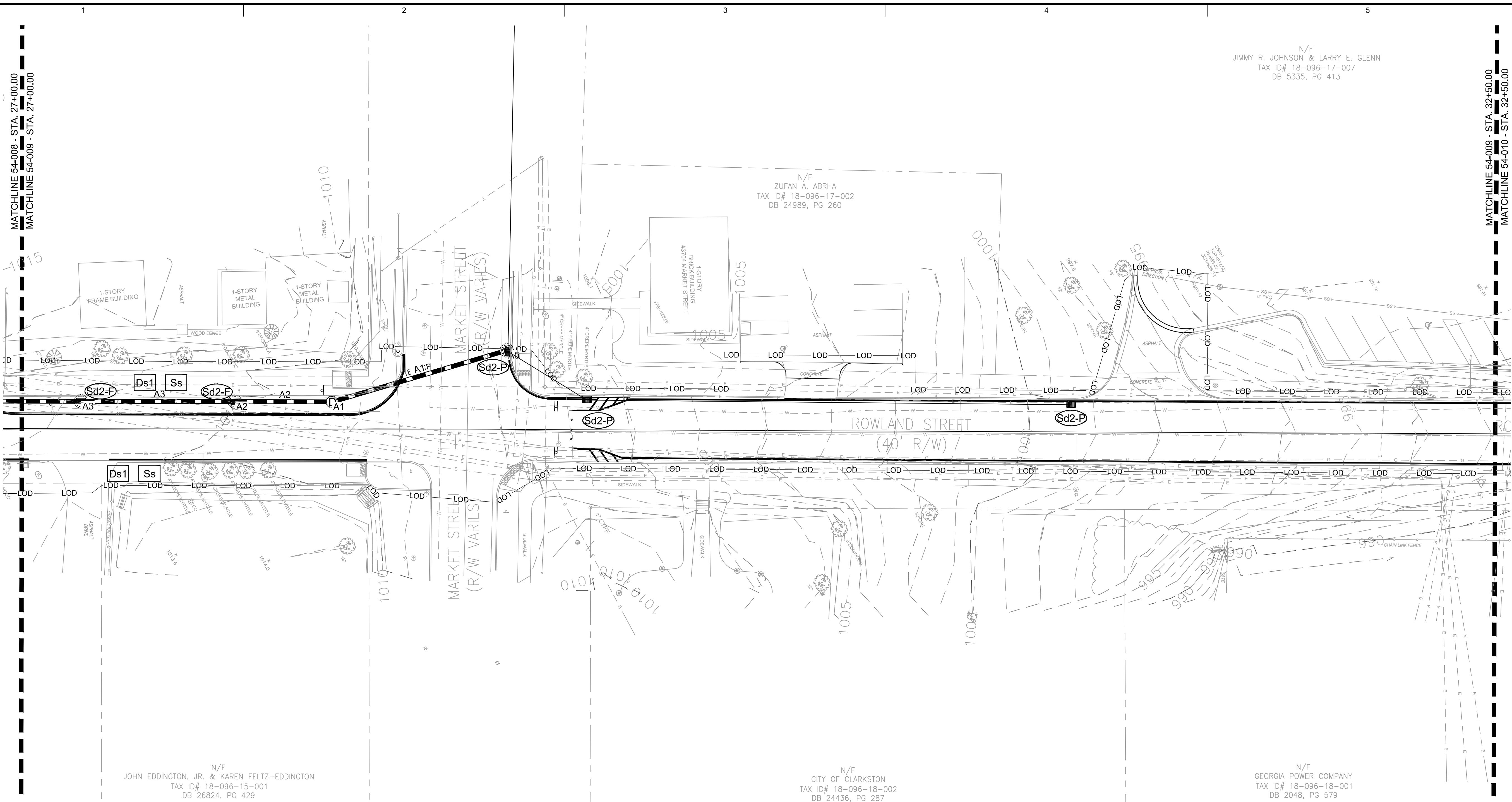
|   |  |
|---|--|
| <p>DESIGNED BY: CJJ</p> <p>DWN BY: JDC</p> <p>CHK BY: CJJ</p> <p>SUBMITTED BY: 54-007.DWG</p> <p>FILE NAME: 54-007.DWG</p> <p>SIZE: 22' x 34' 11"</p> | <p>DATE: 06.13.2019</p> <p>SOLICITATION NO.:</p> <p>CONTRACT NO.:</p> <p>FILE NUMBER:</p> <p>PLOT DATE: 06/20/2019</p> <p>PLOT SCALE: 1" = 22' x 34' 11"</p> |
|---|--|

|  |  |
|--|--|
| <p><b>CITY OF CLARKSTON</b></p> <p>SPLIT PEDESTRIAN PROJECT B &amp; C - ROWLAND STREET ROAD DIET TRAILHEAD DESIGN</p> <p><b>POND</b></p> <p>POND PROJECT No. 1180426</p> | <p><b>ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN</b></p> <p>ESCP PHASE II</p> |
|--|--|

|   |                          |
|---|--------------------------|
| <p>SHEET IDENTIFICATION NUMBER</p> <p><b>54-008</b></p> | <p>DATE</p> <p>APPR.</p> |
|---|--------------------------|

FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0 CD DRAWINGS\REF254-007\_010\_P2.DWG PLOTTED BY: JCUNNINGHAM

N/F  
 JIMMY R. JOHNSON & LARRY E. GLENN  
 TAX ID# 18-096-17-007  
 DB 5335, PG 413



**NOTES:**

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**GSWCC** Georgia Soil and Water Conservation Commission

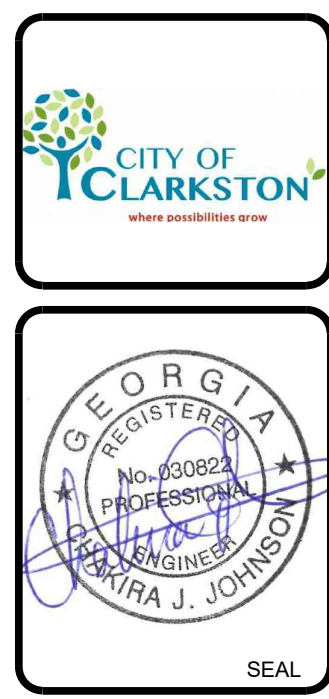
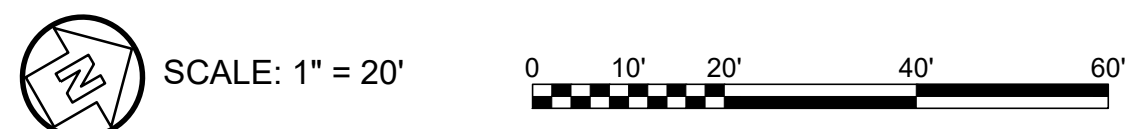
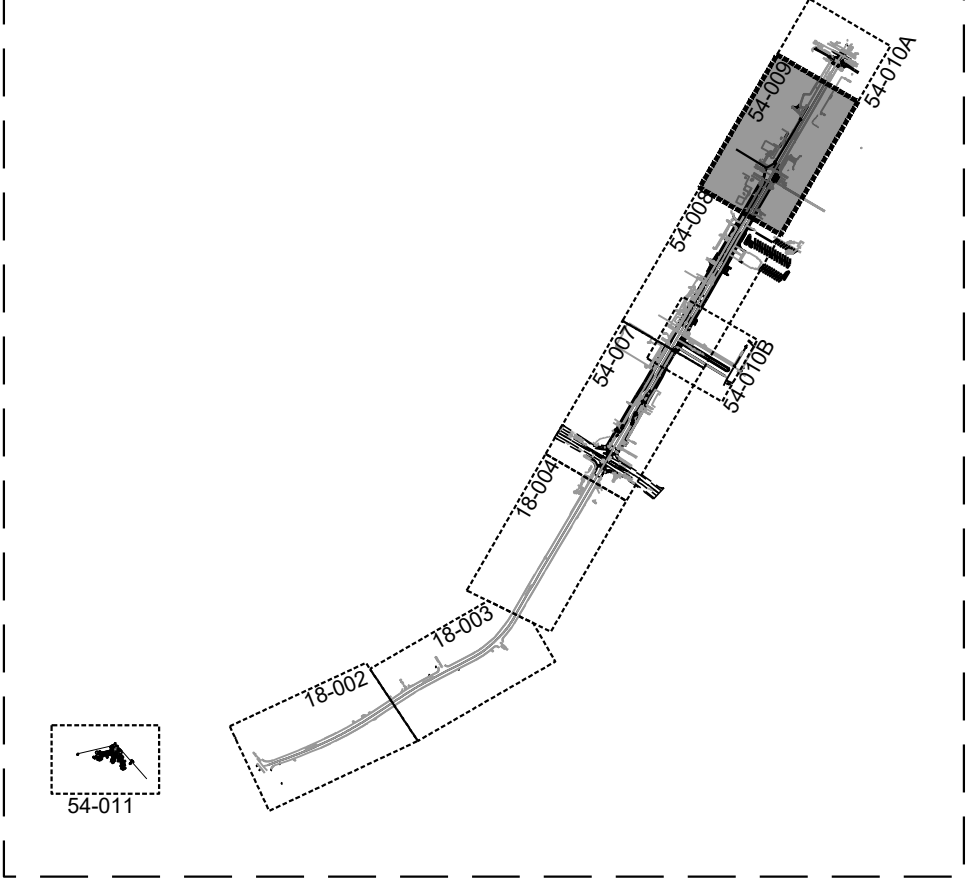
**Chakira J. Johnson**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: 7212  
 ISSUED: 03/17/2018 EXPIRES: 03/17/2021

- LEGEND**
- Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
  - Ss SLOPE STABILIZATION
  - Sd2-P CURB FILTER INLET
  - Sd2-F FILTER FABRIC WITH SUPPORTING FRAME

**24 HOUR EROSION CONTROL CONTACT:**  
 PRIMARY PERMITTEE  
 NAME: LARRY KAISER, P.E.  
 ADDRESS: 945 BANK ST.  
 CONYERS, GA 30012  
 PHONE : 404-909-5619

**KEY PLAN - N.T.S**



| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 06.13.2019 | 50% PLAN SUBMITTAL |      |      |       |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 3000 Parkway Lane GA  
 30092 SUITE 500  
 Phone 678.338.7740  
 POND PROJECT No.1180426 Fax 678.338.7744

DESIGNED BY: CJJ  
 DWN BY: JDC  
 SUBMITTED BY: 54-007 010 P2.dwg  
 FILE NAME: 54-007 010 P2.dwg  
 SIZE: 22' x 34'  
 PLOT SCALE: 1" = 11'

DATE: 06/20/2019  
 SOLICITATION NO.:  
 CONTRACT NO.:  
 FILE NUMBER:  
 PLOT DATE: 06/20/2019

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

ESCP PHASE II

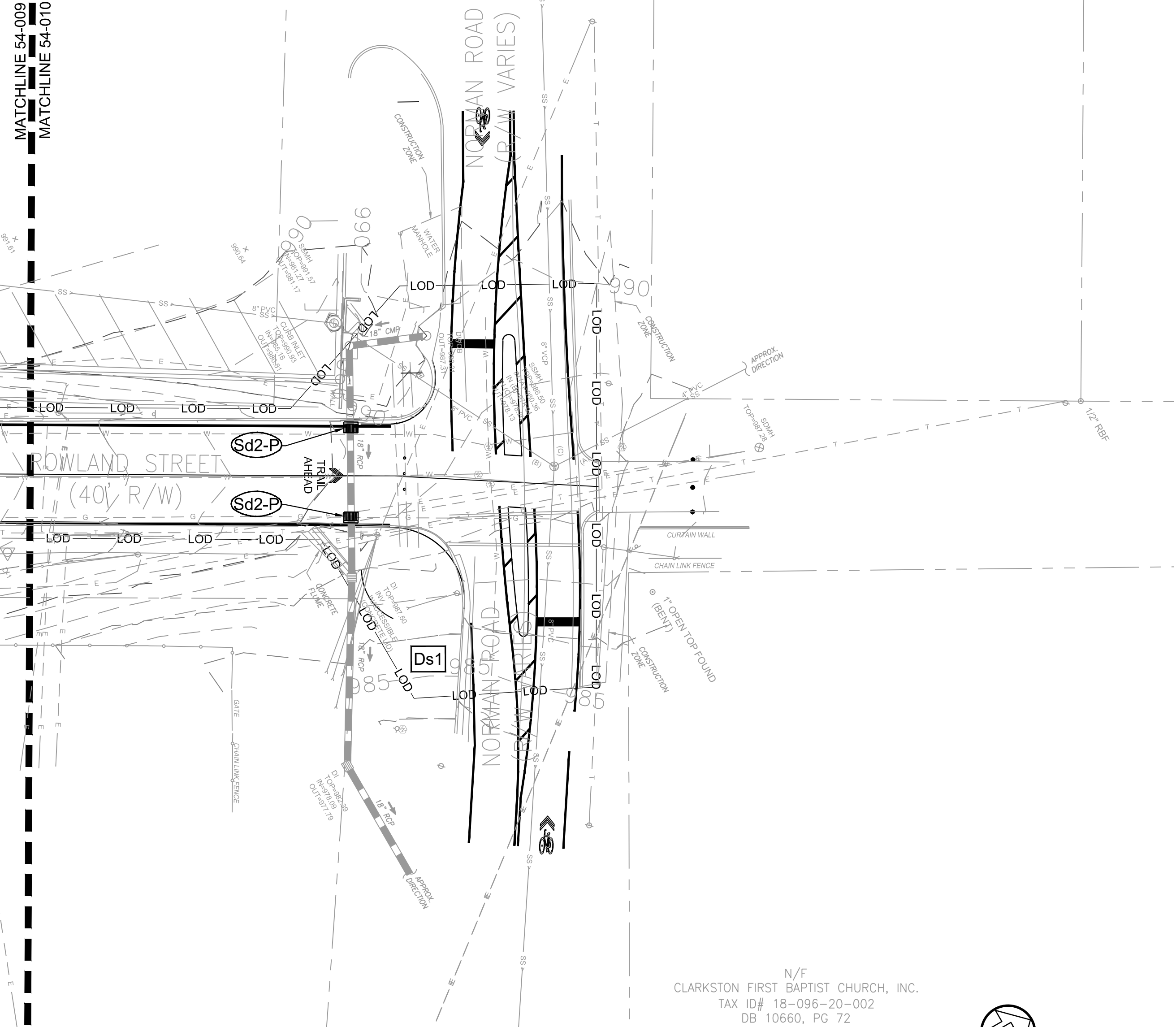
SHEET IDENTIFICATION NUMBER  
**54-009**

NOT RELEASED FOR CONSTRUCTION

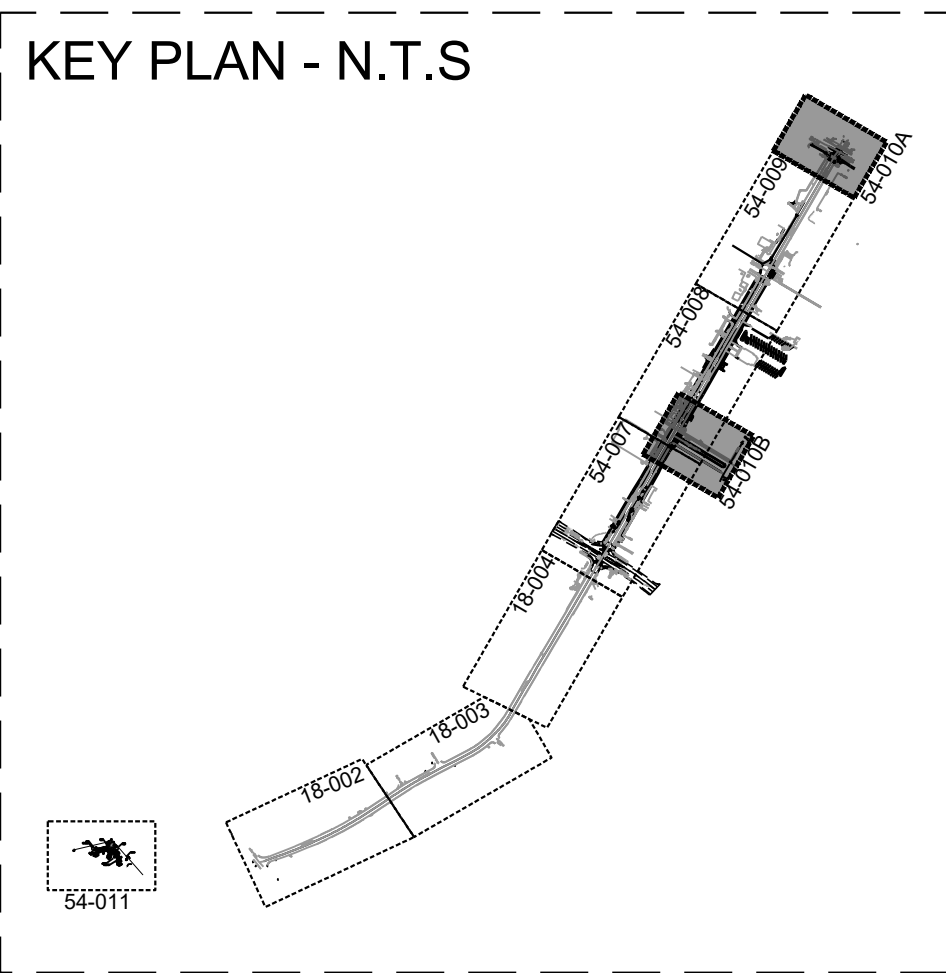
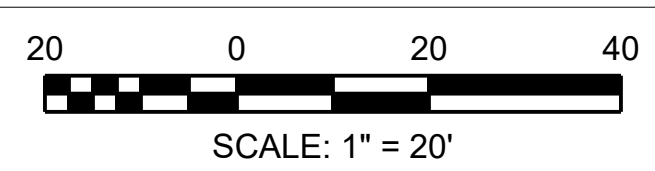
FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0\_CD DRAWINGS\REF254-007\_010\_P2.DWG PLOTTED BY: JCUNNINGHAM

MATCHLINE 54-009 - STA. 32+50.00  
MATCHLINE 54-010 - STA. 32+50.00

N/F  
ZEE-SHAN ENTERPRISES UNLIMITED, INC.  
TAX ID# 18-096-21-005  
DB 10042, PG 309



**A ESCP PHASE 2 PLAN**  
SCALE: 1" = 20'-0"



**NOTES:**

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

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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 AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

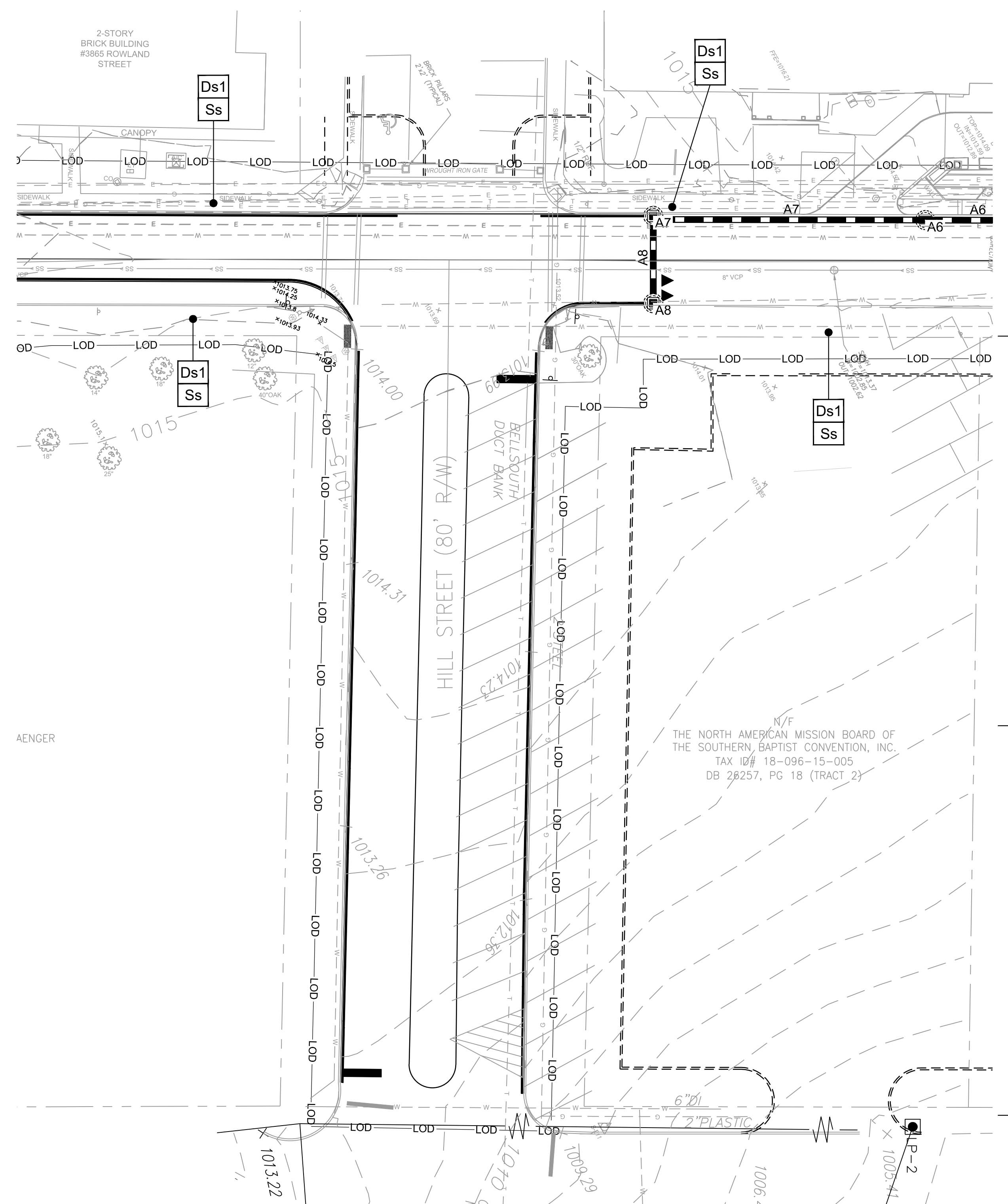
**Chakira J Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER: 7212  
ISSUED: 03/17/2018 EXPIRES: 03/17/2021

- LEGEND**
- Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
  - Ss SLOPE STABILIZATION
  - Sd2-P CURB FILTER INLET
  - Sd2-F FILTER FABRIC WITH SUPPORTING FRAME

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE: 404-909-5619

**B HILL STREET ESCP PHASE 2 PLAN**  
SCALE: 1" = 20'-0"



| DATE       | DESIGNED BY: | CHKD BY: | SOLICITATION NO.: | CONTRACT NO.: | FILE NAME:        | PLOT DATE: | PLOT SCALE:   | MARK | DESCRIPTION | DATE | APPR. |
|------------|--------------|----------|-------------------|---------------|-------------------|------------|---------------|------|-------------|------|-------|
| 06.13.2019 | CJJ          | CJJ      |                   |               | 54-007_P10_P2.dwg | 06/20/2019 | 22' x 34' 11" |      |             |      |       |
|            |              |          |                   |               |                   |            |               |      |             |      |       |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
POND PROJECT No. 1180426

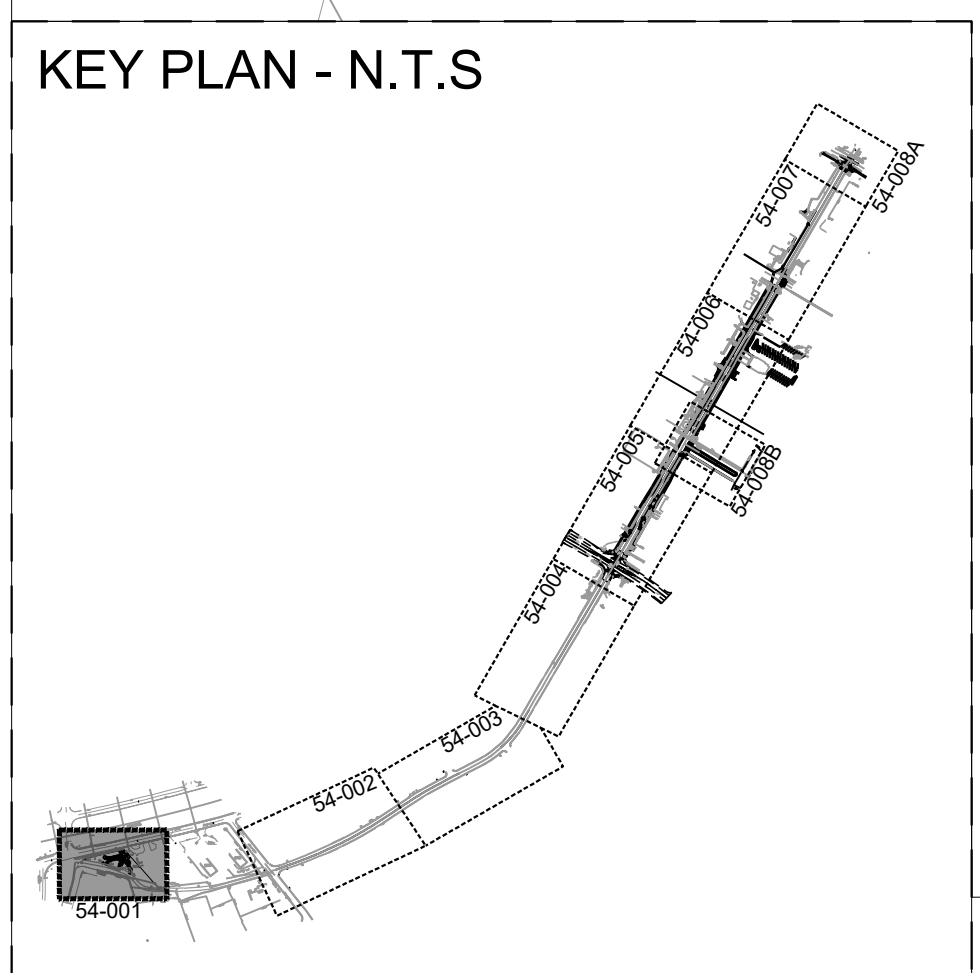
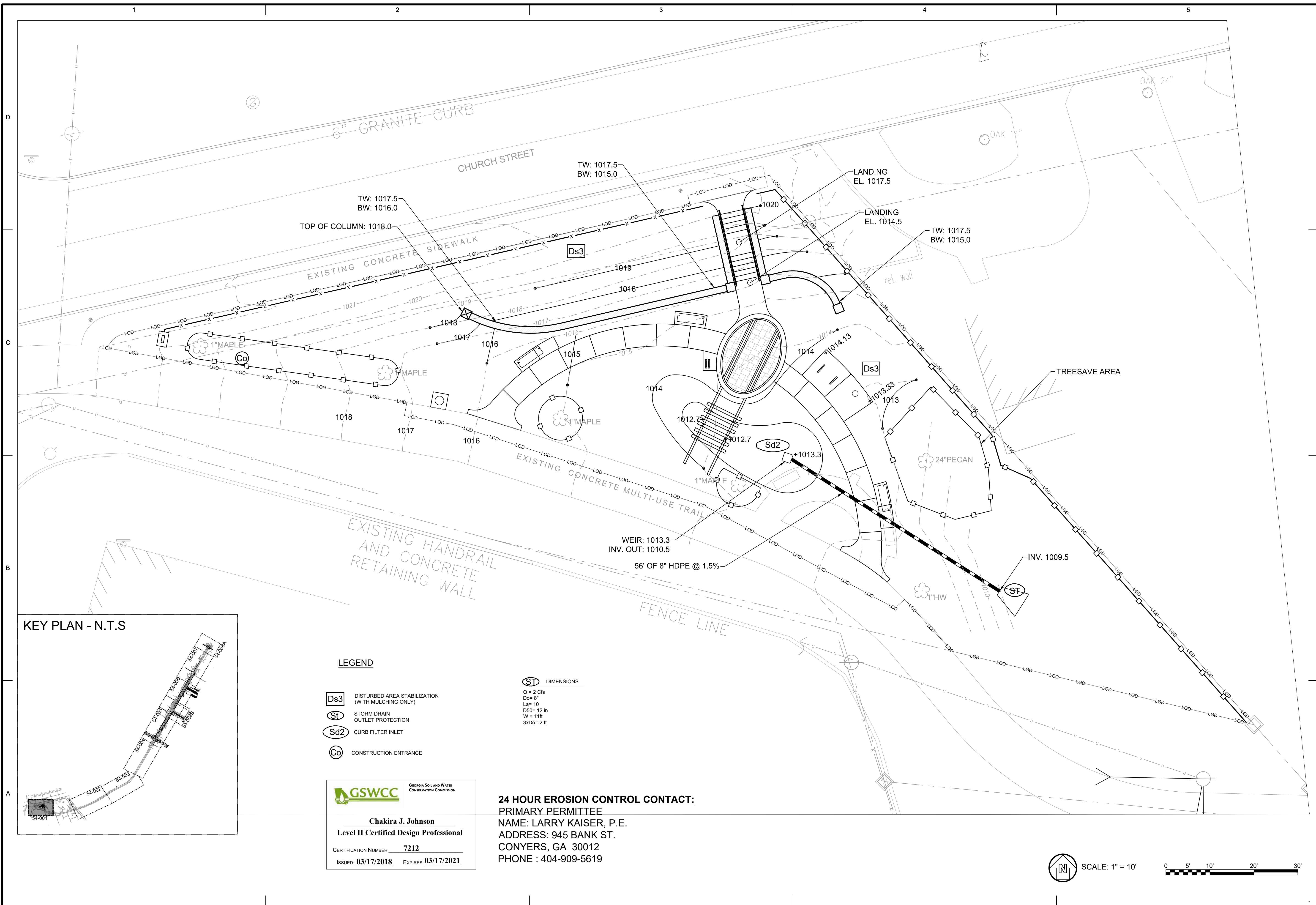
**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

ESCP PHASE II

SHEET IDENTIFICATION NUMBER  
**54-010**

NOT RELEASED FOR CONSTRUCTION

FILE PATH: C:\CLARKSTON7 - CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\REF264-011.DWG PLOTTED BY: JSANCHEZ



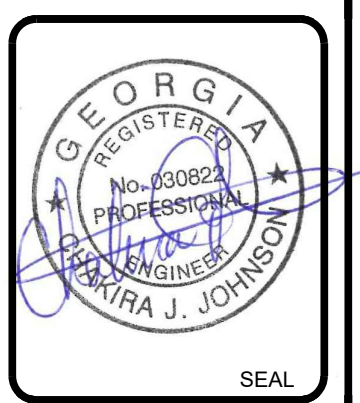
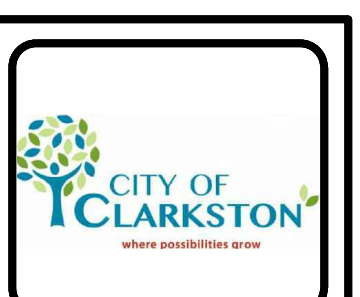
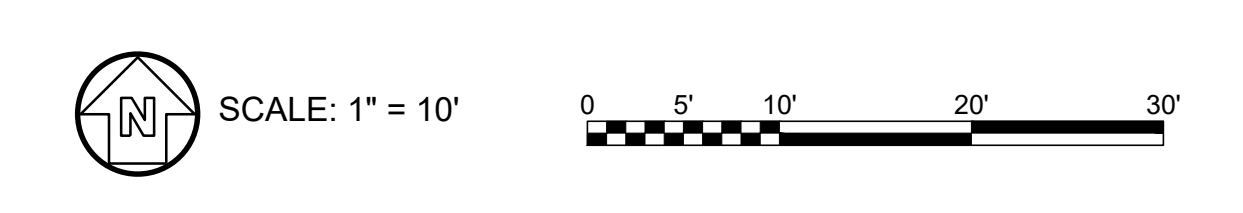
- LEGEND**
- Ds3 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
  - St STORM DRAIN OUTLET PROTECTION
  - Sd2 CURB FILTER INLET
  - Co CONSTRUCTION ENTRANCE
- DIMENSIONS**
- ST Q = 2 Cfs
  - Do = 8"
  - La = 10
  - D50 = 12 in
  - W = 11ft
  - 3xD0 = 2 ft

**GSWCC**  
Georgia Soil and Water Conservation Commission

**Chakira J. Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER **7212**  
ISSUED: **03/17/2018** EXPIRES: **03/17/2021**

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE : 404-909-5619



| DATE       | DESCRIPTION        | MARK | APPR. |
|------------|--------------------|------|-------|
| 05/13/2019 | 50% PLAN SUBMITTAL |      |       |

DESIGNED BY: XXX  
CHECKED BY: XXX  
SUBMITTED BY: XXX  
FILE NAME: 54-011.dwg  
SIZE: 2P x 34"  
PLOT SCALE: 1:1

DATE: 05/13/2019  
SOLICITATION NO.:  
CONTRACT NO.:  
FILE NUMBER:  
PLOT DATE: 06/20/2019

CITY OF CLARKSTON  
SPLIST PEDESTRIAN PROJECT B & C - ROW TRAILHEAD DESIGN

**POND**  
3000 Parkway Lane, GA  
30092 SUITE 500  
Phone: 678.357.7740  
Fax: 678.357.7744

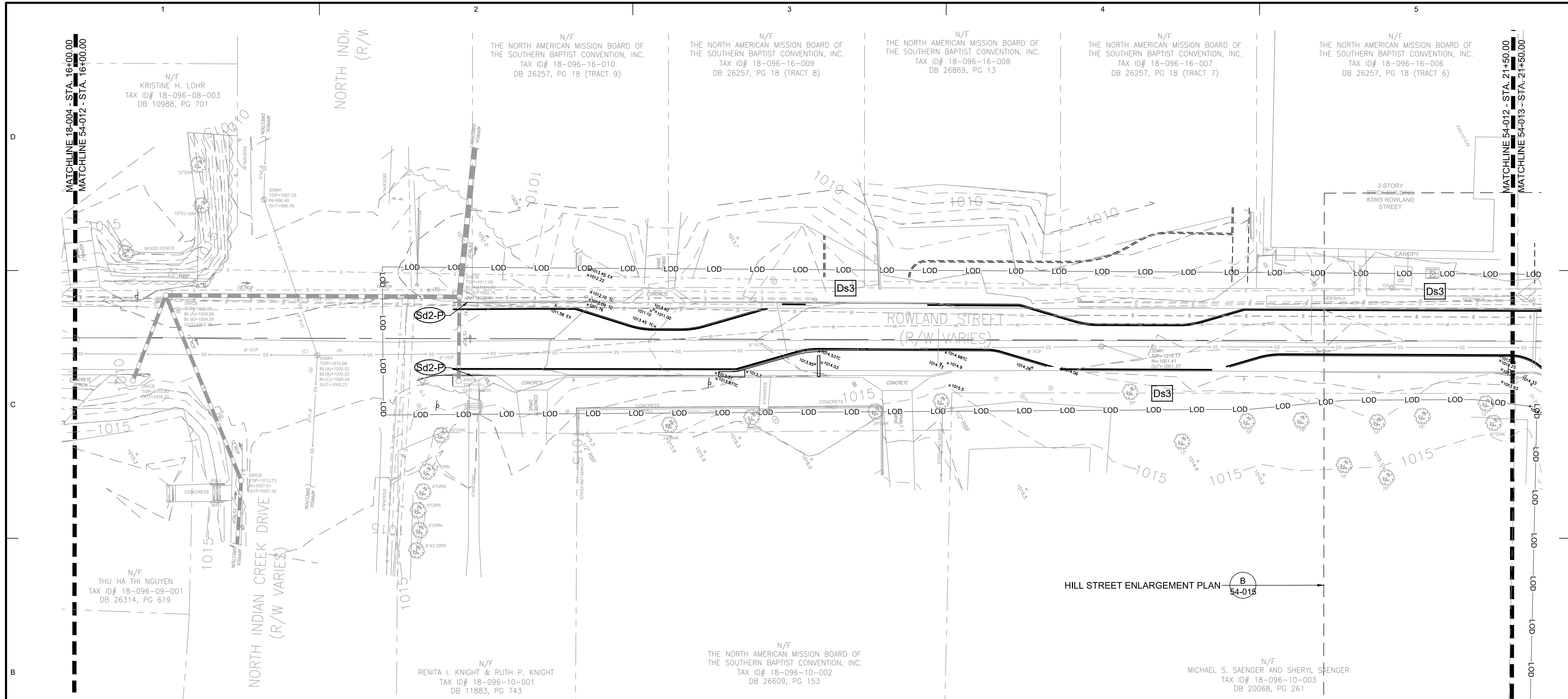
POND PROJECT No. 1180426

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
EROSION SEDIMENTATION POLLUTION CONTROL  
PHASE III

SHEET IDENTIFICATION NUMBER  
**54-011**



FILE PATH: C:\CLARKSTON7.CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\REF264-012\_015\_P3.DWG PLOTTED BY: JSANCHEZ



**NOTES:**  
 THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

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ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.  
 ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

**LEGEND**

**Ds3** DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

**Sd2-P** CURB FILTER INLET

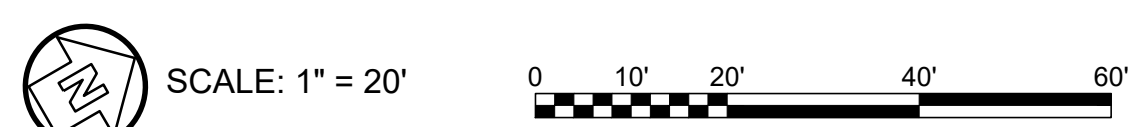
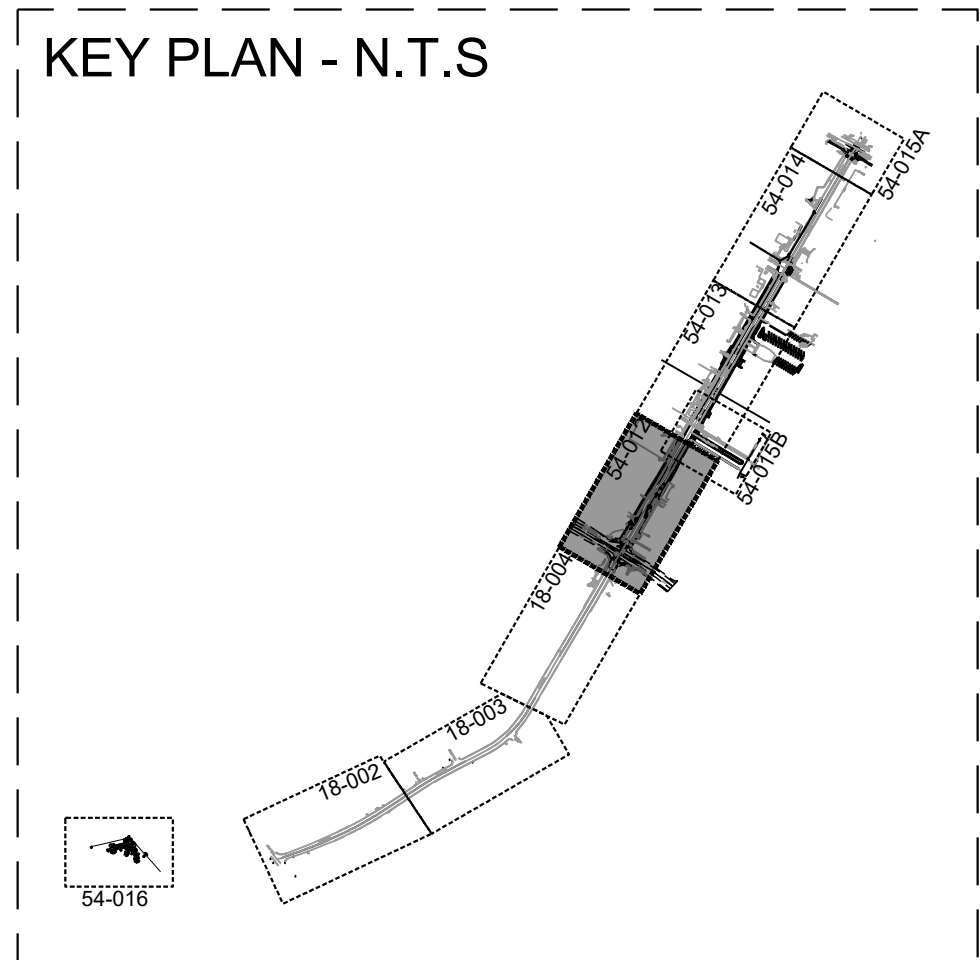
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GEORGIA SOIL AND WATER CONSERVATION COMMISSION

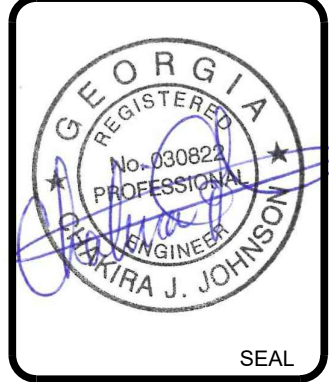
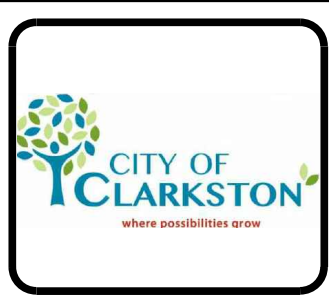
**Chakira J Johnson**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: 7212  
 ISSUED: 03/17/2018 EXPIRES: 03/17/2021

**24 HOUR EROSION CONTROL CONTACT:**  
 PRIMARY PERMITTEE  
 NAME: LARRY KAISER, P.E.  
 ADDRESS: 945 BANK ST.  
 CONYERS, GA 30012  
 PHONE : 404-909-5619



NOT RELEASED FOR CONSTRUCTION



| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 05.13.2019 | 50% PLAN SUBMITTAL |      |      |       |

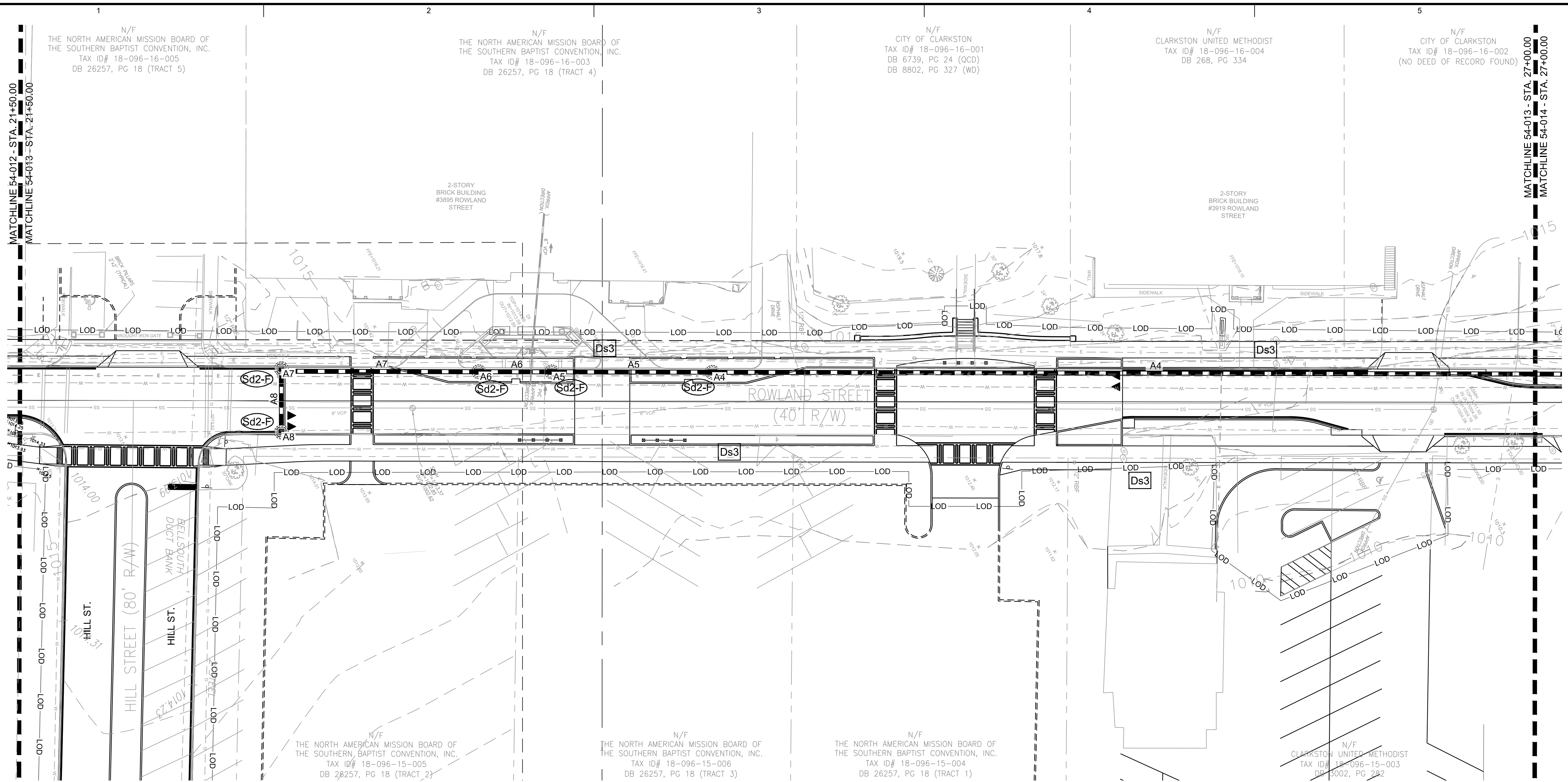
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|---------------------|------------------------------|-----------------------|
| DESIGNED BY: C.J.J. | DATE: 06/19/2019             | SOLICITATION NO.:     |
| CHK BY: J.C.U.      | CONTRACT NO.:                |                       |
| SUBMITTED BY: XXX   | FILE NAME: 54-012_015_P3.dwg | FILE NUMBER:          |
| SIZE: 22' x 34'     | PLOT SCALE: 1:1              | PLOT DATE: 06/19/2019 |

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROW/ TRAILHEAD DESIGN

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
 ESCP PHASE III

SHEET IDENTIFICATION NUMBER  
**54-012**

FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0 CD DRAWINGS\REF254-012\_015\_P3.DWG PLOTTED BY: JCUNNINGHAM



**NOTES:**

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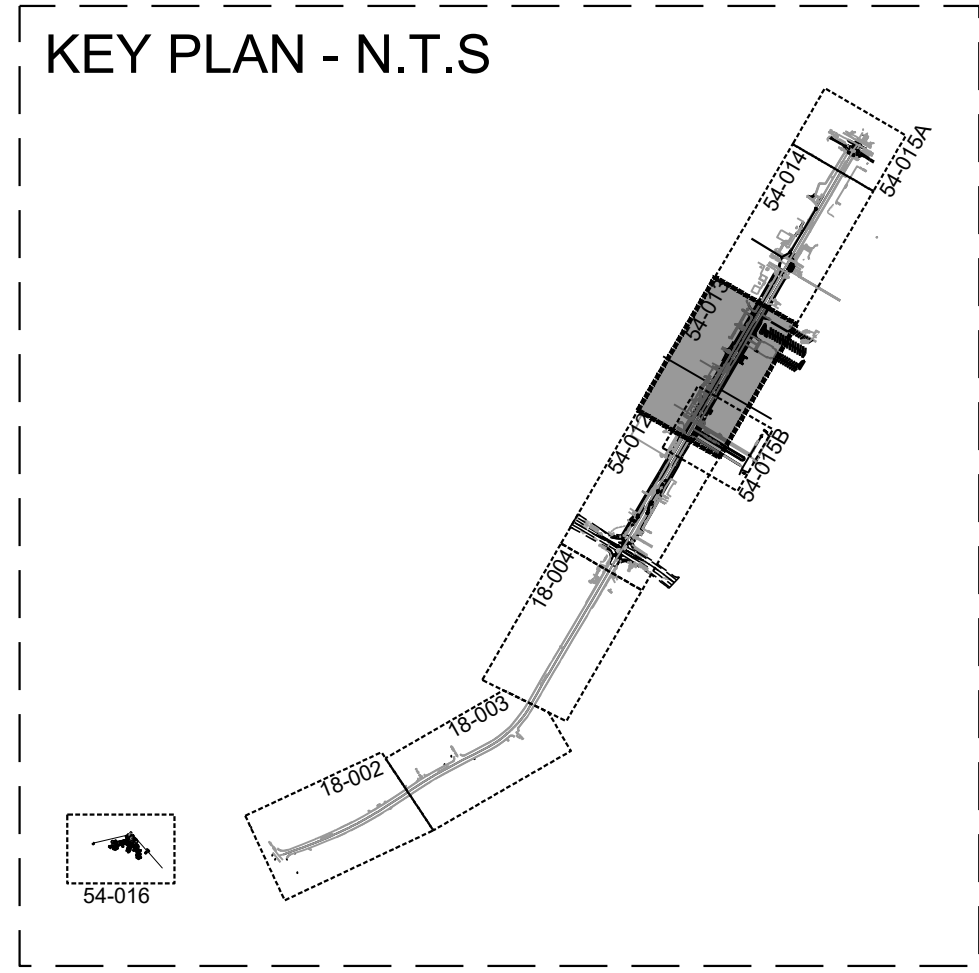
**LEGEND**

|  |   |
|--|---|
|  | FILTER FABRIC WITH SUPPORTING FRAME                   |
|  | DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING) |

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

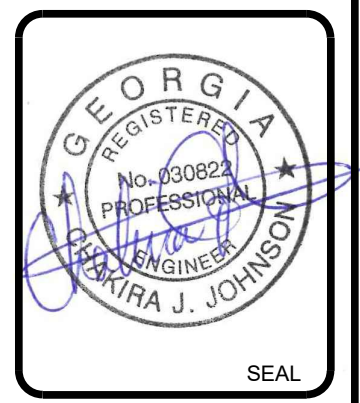
**Chakira J. Johnson**  
Level II Certified Design Professional  
CERTIFICATION NUMBER 7212  
ISSUED: 03/17/2018 EXPIRES: 03/17/2021

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE: 404-909-5619



SCALE: 1" = 20'  
0 10' 20' 40' 60'

NOT RELEASED FOR CONSTRUCTION



|                    |                   |                   |
|--------------------|-------------------|-------------------|
| DESIGNED BY:       | DATE:             | 06.13.2019        |
| DWN BY:            | SOLICITATION NO.: |                   |
| CHK BY:            | CONTRACT NO.:     |                   |
| CD BY:             | FILE NAME:        | 54-012_015_P3.dwg |
| APP'D BY:          | FILE NUMBER:      |                   |
| DATE:              | DATE:             | 06/20/2019        |
| DESCRIPTION:       | MARK:             |                   |
| 50% PLAN SUBMITTAL |                   |                   |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C -  
ROWLAND STREET ROAD DIET  
TRAILHEAD DESIGN

**POND**  
POND PROJECT No. 1180426

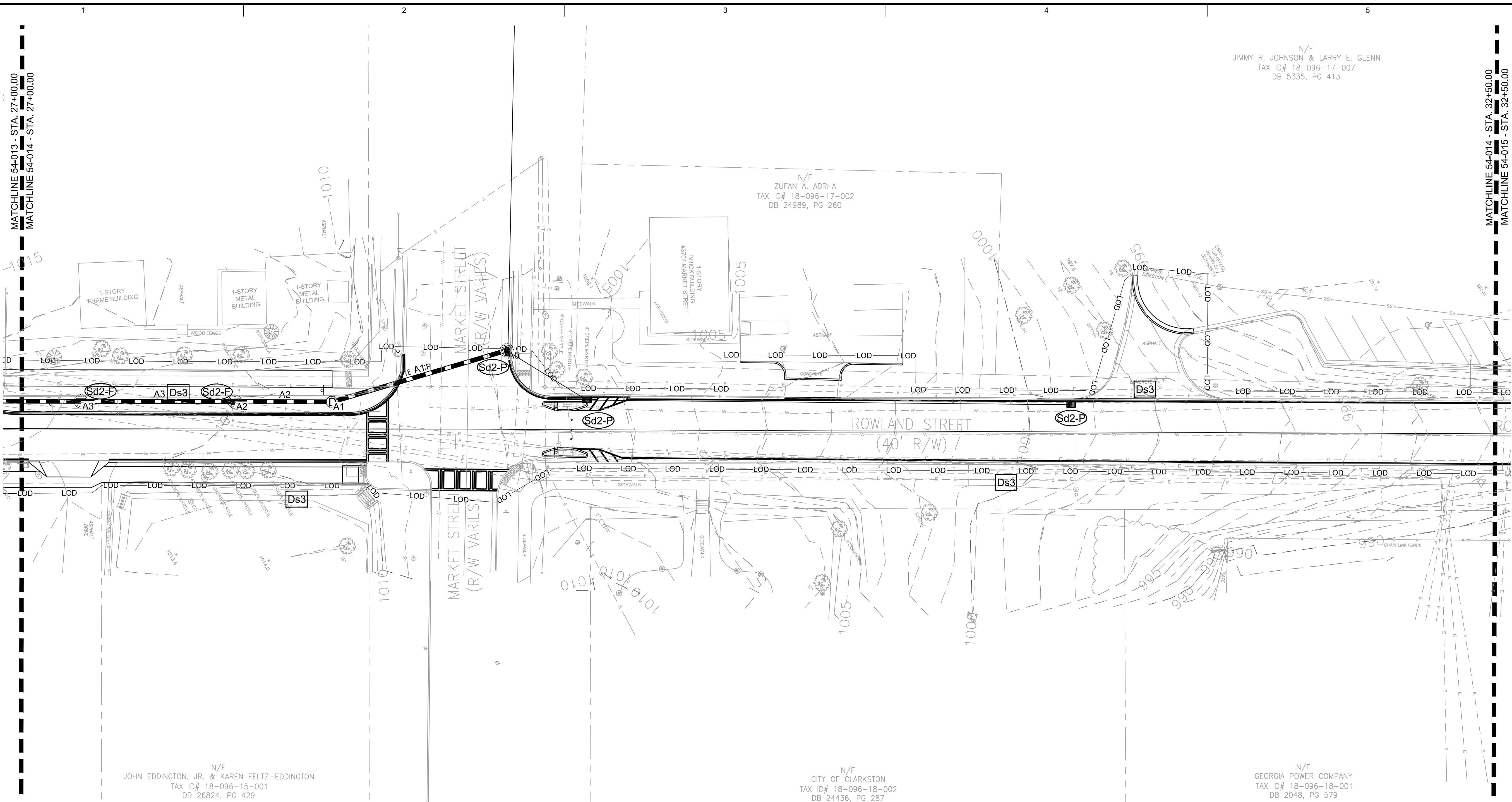
3000 Parkway Lane  
Clarkston, GA 30006  
Phone 678.398.7740  
Fax 678.398.7744

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

ESCP PHASE III

SHEET IDENTIFICATION NUMBER  
**54-013**

N/F  
 JIMMY R. JOHNSON & LARRY E. GLENN  
 TAX ID# 18-096-17-007  
 DB 5335, PG 413



**NOTES:**

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**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

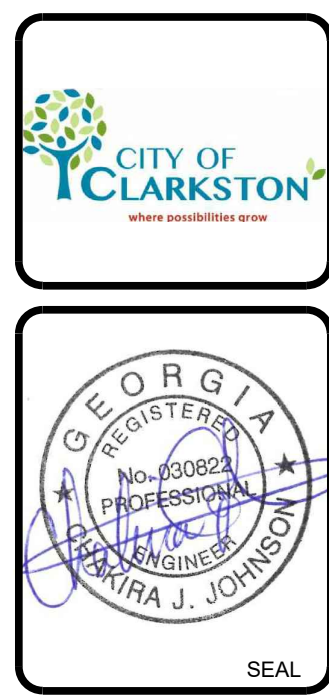
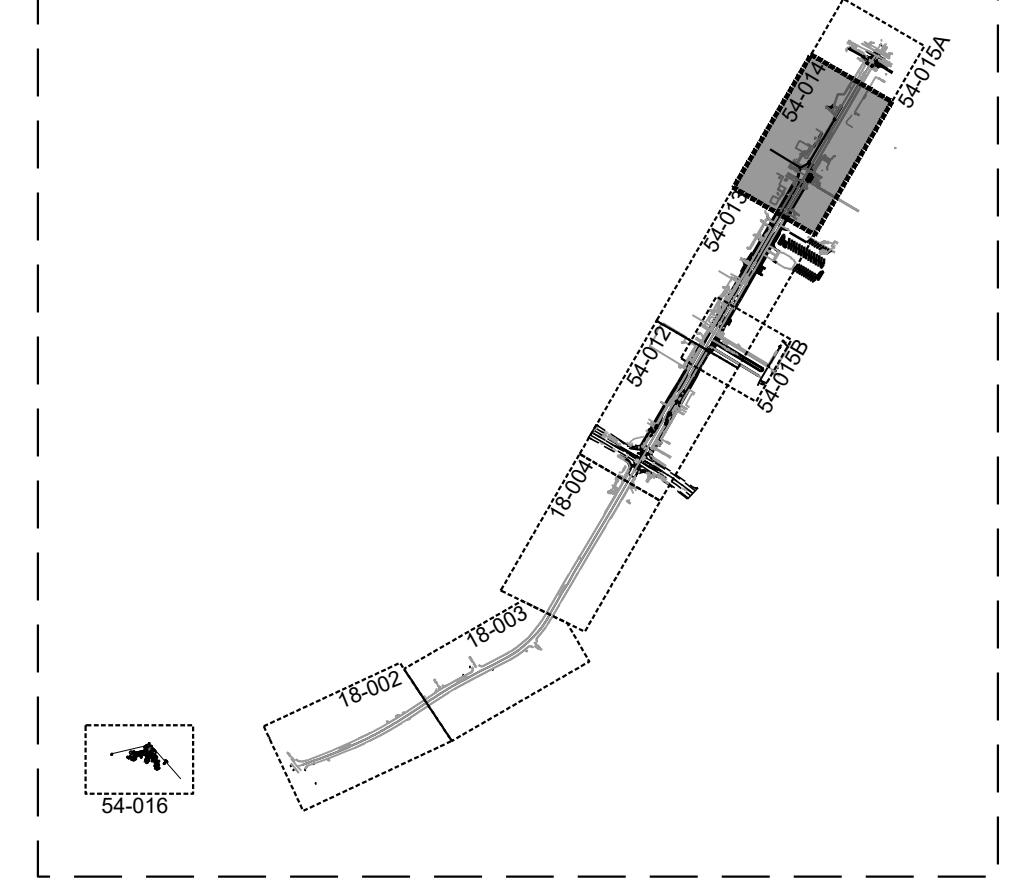
**Chakira J. Johnson**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: 7212  
 ISSUED: 03/17/2018 EXPIRES: 03/17/2021

- LEGEND**
- CURB FILTER INLET
  - FILTER FABRIC WITH SUPPORTING FRAME
  - DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

**24 HOUR EROSION CONTROL CONTACT:**  
 PRIMARY PERMITTEE  
 NAME: LARRY KAISER, P.E.  
 ADDRESS: 945 BANK ST.  
 CONYERS, GA 30012  
 PHONE: 404-909-5619

**KEY PLAN - N.T.S**



| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 06.13.2019 | 50% PLAN SUBMITTAL |      |      |       |

**CITY OF CLARKSTON**  
 SPLIST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

DESIGNED BY: CJJ  
 DWN BY: JDC  
 SUBMITTED BY: 54-012\_015\_P3.dwg  
 FILE NAME: 54-012\_015\_P3.dwg  
 SIZE: 22' x 34' 11"

DATE: 06/20/2019  
 SOLICITATION NO.:  
 CONTRACT NO.:  
 FILE NUMBER:  
 PLOT SCALE: 1" = 11'

**POND**  
 POND PROJECT No. 1180426 Fax: 678.336.7744

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

ESCP PHASE III

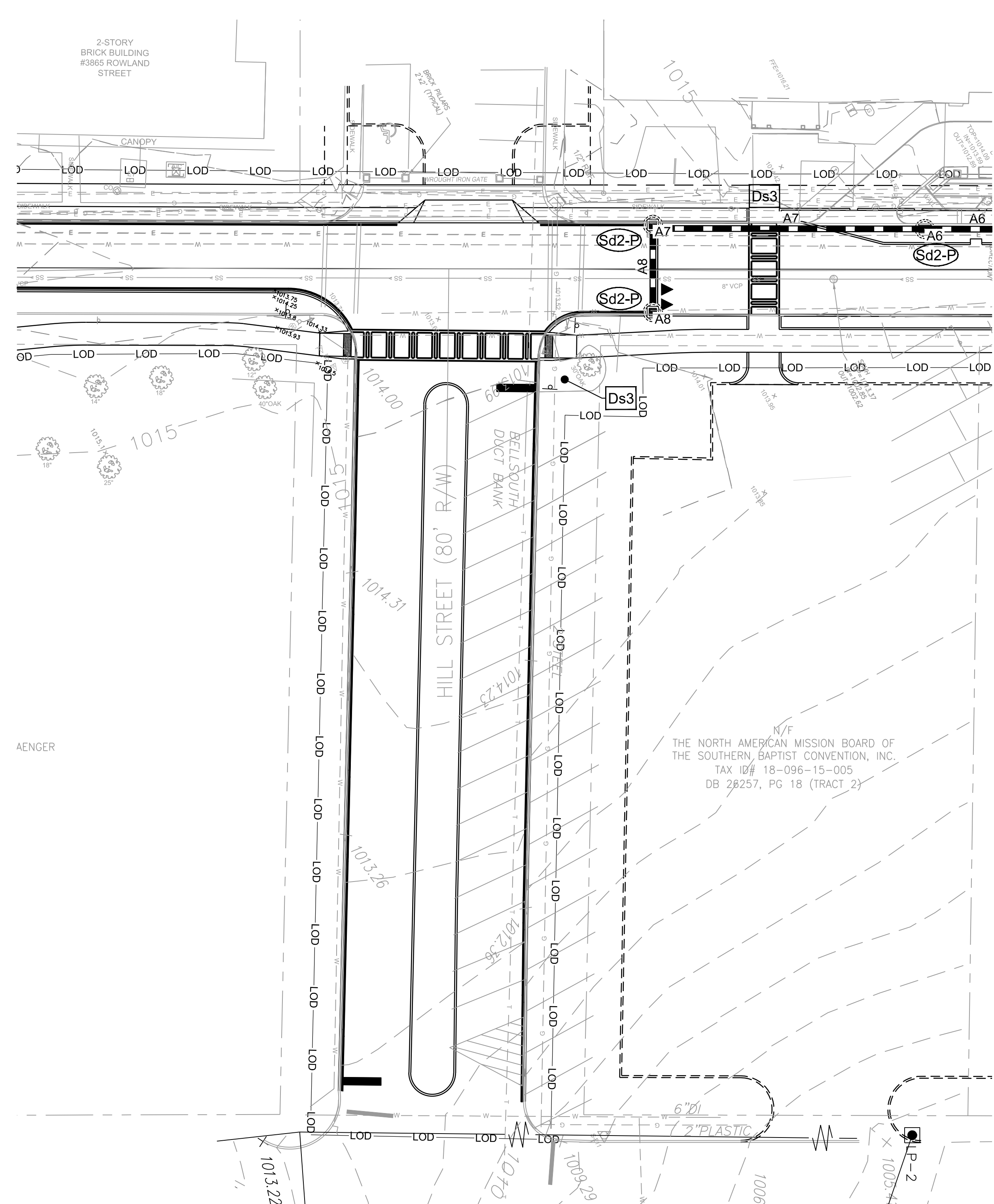
SHEET IDENTIFICATION NUMBER  
**54-014**

FILE PATH: Q:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0\_CD DRAWINGS\REF254-012\_015\_P3.DWG PLOTTED BY: JCUNNINGHAM

MATCHLINE 54-014 - STA. 32+50.00  
MATCHLINE 54-015 - STA. 32+50.00

N/F  
ZEE-SHAN ENTERPRISES UNLIMITED, INC.  
TAX ID# 18-096-21-005  
DB 10042, PG 309

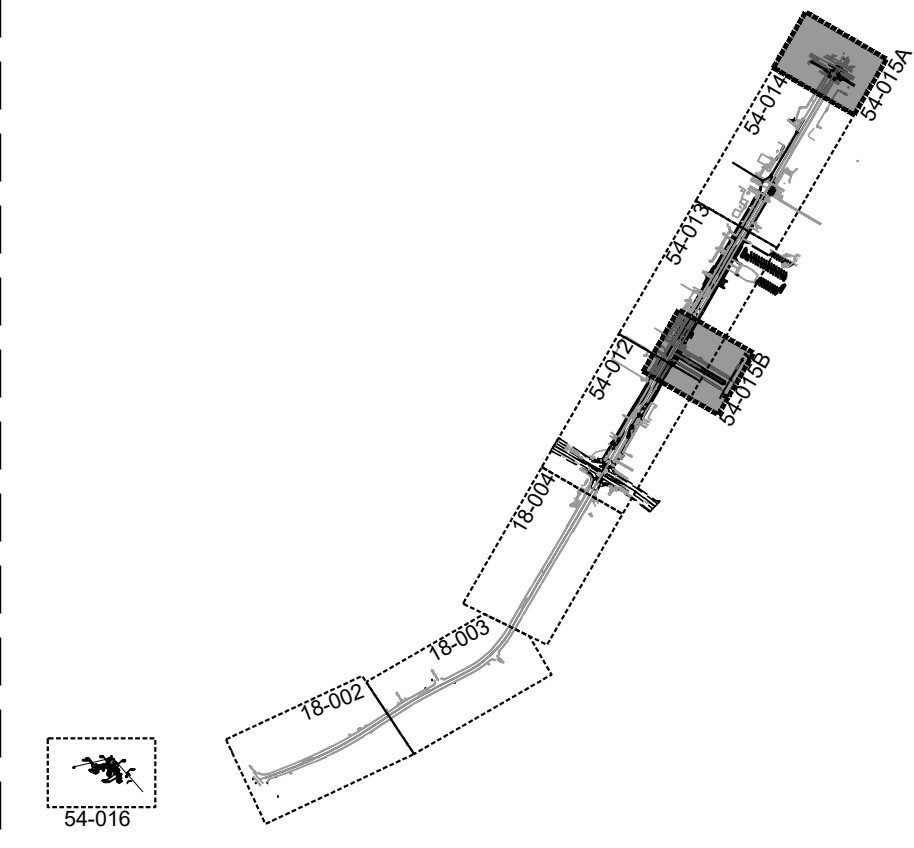
N/F  
CLARKSTON FIRST BAPTIST CHURCH, INC.  
TAX ID# 18-096-20-002  
DB 10660, PG 72



**A ESCP PHASE 3 PLAN**  
SCALE: 1" = 20'-0"

**B HILL STREET ESCP PHASE 3 PLAN**  
SCALE: 1" = 20'-0"

**KEY PLAN - N.T.S**



**NOTES:**

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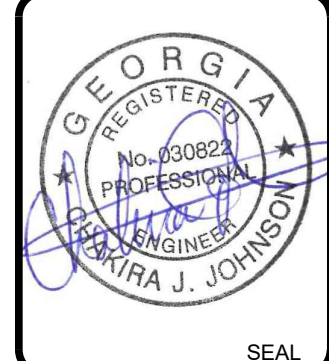
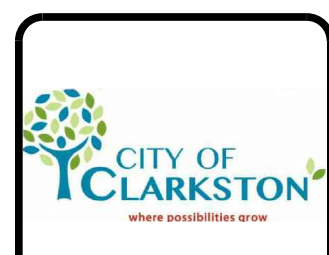
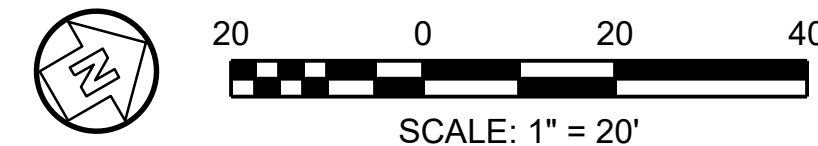
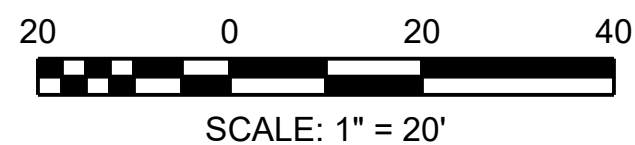
**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER: 7212  
ISSUED: 03/17/2018 EXPIRES: 03/17/2021

- LEGEND**
- Sd2-P CURB FILTER INLET
  - Sd2-F FILTER FABRIC WITH SUPPORTING FRAME
  - Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE: 404-909-5619



| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 06.13.2019 | 50% PLAN SUBMITTAL |      |      |       |

|                   |                              |                      |
|-------------------|------------------------------|----------------------|
| DESIGNED BY: CJJ  | CHKD BY: CJJ                 | DATE: 06/20/2019     |
| DWN BY: JDC       | CONTRACT NO.:                | SOLICITATION NO.:    |
| SUBMITTED BY: JDC | FILE NAME: 54-012_015_P3.dwg | FILE NUMBER:         |
|                   | SIZE: 22' x 34' 11"          | PLOT SCALE: 1" = 20' |

**CITY OF CLARKSTON**  
SPLIST PEDESTRIAN PROJECT B & C - ROWLAND STREET ROAD DIET TRAILHEAD DESIGN

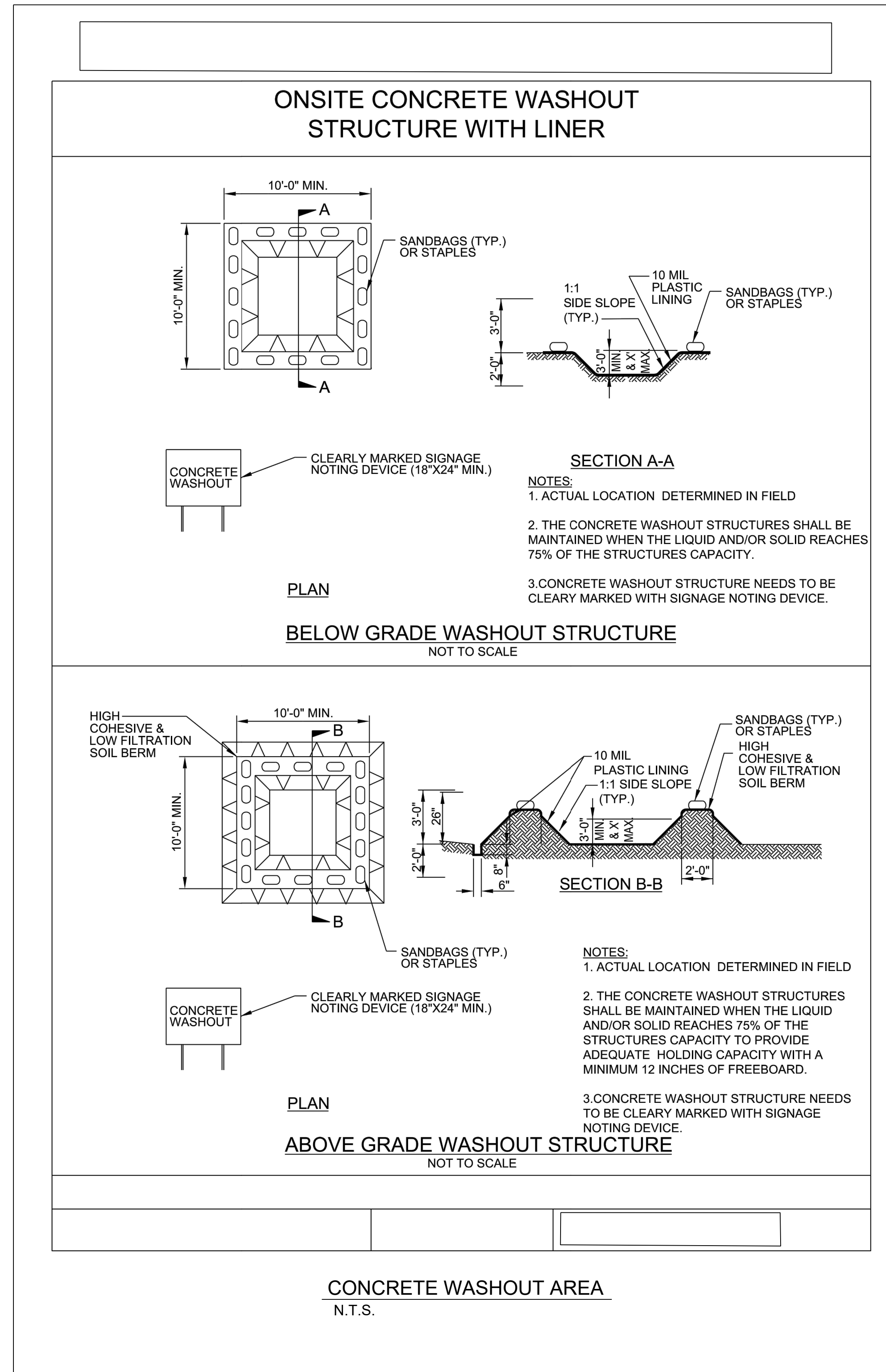
**POND**  
POND PROJECT No. 1180426

**ROWLAND STREET ROAD DIET AND TRAILHEAD DESIGN**  
ESCP PHASE III

SHEET IDENTIFICATION NUMBER  
**54-015**

NOT RELEASED FOR CONSTRUCTION



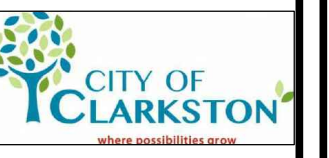


**24 HOUR EROSION CONTROL CONTACT:**  
 PRIMARY PERMITTEE  
 NAME: LARRY KAISER, P.E.  
 ADDRESS: 945 BANK ST.  
 CONYERS, GA 30012  
 PHONE : 404-909-5619

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J. Johnson**  
 Level II Certified Design Professional

CERTIFICATION NUMBER **7212**  
 ISSUED: **03/17/2018** EXPIRES: **03/17/2021**



| MARK | DESCRIPTION        | DATE       | APPR. |
|------|--------------------|------------|-------|
| A    | 50% PLAN SUBMITTAL | 05.13.2018 |       |

**CITY OF CLARKSTON**  
 SPLOST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

**POND**  
 POND PROJECT No. 1180426

DESIGNED BY: XXXX  
 DWN BY: XXXX  
 SUBMITTED BY: XXXX  
 DATE: 06/20/2018

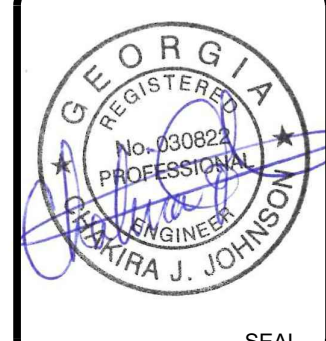
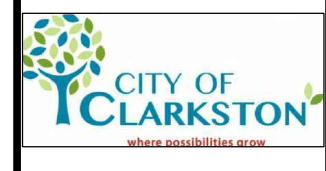
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 CONTRACT NO.: XXXX  
 FILE NUMBER: ECF-000417 Stormwater Pond  
 PLOT DATE: 06/20/2018  
 PLOT SCALE: 22" x 34" 1:1

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

**STORMWATER POND  
 ESPC STANDARD DETAILS**

SHEET IDENTIFICATION NUMBER  
**56-002**

FILE PATH: O:\CLARKSTON\CONSTRUCTION DOCUMENTS\17.0 CD DRAWINGS\REF2CF-000-017\_STORMWATER POND.DWG PLOTTED BY: JSANCHEZ



| DATE       | DESCRIPTION        | MARK | DATE | APPR. |
|------------|--------------------|------|------|-------|
| 06.13.2019 | 50% PLAN SUBMITTAL |      |      |       |

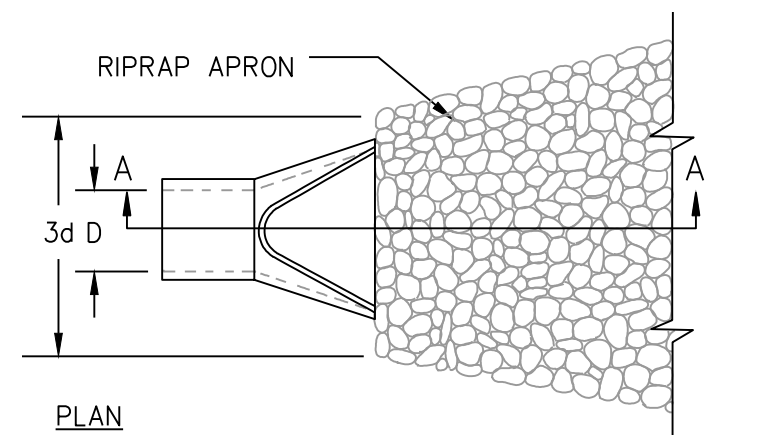
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|---|--------------|--------------------------|---------------|
| DESIGNED BY:<br>DWN BY: XXX                   | DATE:<br>XXX | SOLICITATION NO.:<br>XXX | CONTRACT NO.: |
| CD BY: XXX                                    | DATE:        | CONTRACT NO.:            | FILE NUMBER:  |
| SUBMITTED BY:                                 | DATE:        | CONTRACT NO.:            | FILE NUMBER:  |
| FILE NAME:<br>EFC-000-017 Stormwater Pond.dwg | DATE:        | CONTRACT NO.:            | FILE NUMBER:  |
| SIZE:<br>22" x 34"                            | DATE:        | CONTRACT NO.:            | FILE NUMBER:  |
| PLOT SCALE:<br>1:1                            | DATE:        | CONTRACT NO.:            | FILE NUMBER:  |

**ROWLAND STREET ROAD  
DIET AND TRAILHEAD DESIGN**

**STORMWATER POND  
ESPC STANDARD DETAILS**

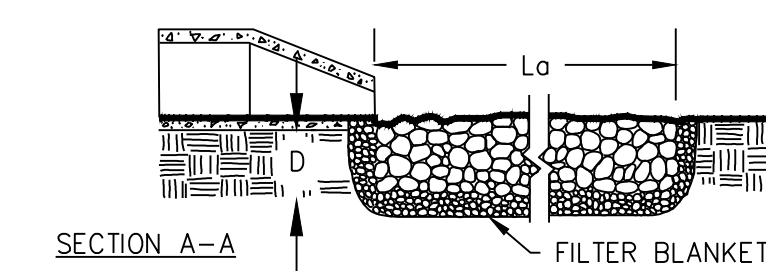
SHEET IDENTIFICATION NUMBER  
**56-003**

**PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL**

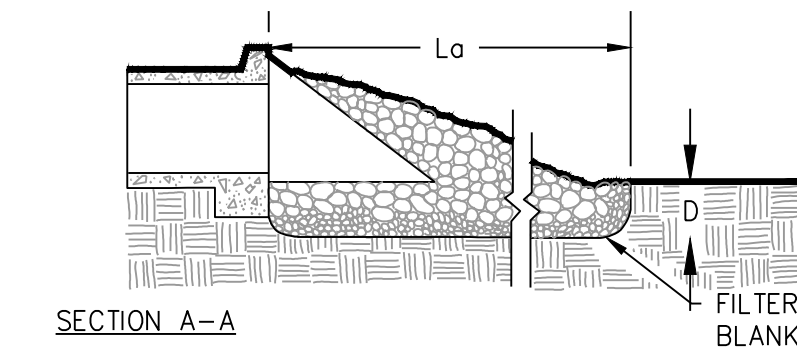
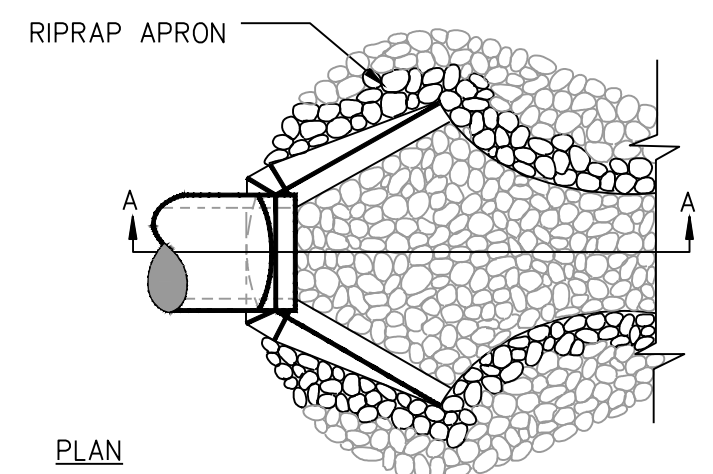


NOTES:

1.  $L_o$  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.



**PIPE OUTLET TO WELL DEFINED CHANNEL**



**St** RIP RAP OUTLET PROTECTION  
N.T.S.

**CONSTRUCTION SPECIFICATIONS**

1. ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW AREAS IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING THE RIPRAP THICKNESS.
2. THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.
3. GEOTEXTILE MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER FABRIC OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP A MINIMUM OF 1 FT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE FILTER FABRIC.
4. RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER FABRIC.
5. THE MINIMUM THICKNESS OF THE RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
6. CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFALL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
7. ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT ITS LENGTH. IF A CURVE IS NEEDED TO FIT SITE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.
8. IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.
9. STONE QUALITY - SELECT STONE FOR RIPRAP FROM FIELD STONE OR QUARRY STONE. THE STONE SHOULD BE HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT. THE SPECIFIC GRAVITY OF THE INDIVIDUAL STONES SHOULD BE AT LEAST 2.5.
10. FILTER - INSTALL A FILTER TO PREVENT SOIL MOVEMENT THROUGH THE OPENINGS IN THE RIPRAP. THE FILTER SHOULD CONSIST OF A GRADED GRAVEL LAYER OR A SYNTHETIC FILTER CLOTH. SEE APPENDIX C; P. C-1.

**MAINTENANCE**

INSPECT RIPRAP OUTLET 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.

**OUTLET PROTECTION St**

| PIPE ID           | 25-YR, 24-HR. FLOW (CFS) | VELOCITY (FPS) | T.W. CONDITION | $L_o$ (FT) | W1 (FT) | W2 (FT) | d50 (IN) | GDOT RIP RAP TYPE | D (IN) |
|-------------------|--------------------------|----------------|----------------|------------|---------|---------|----------|-------------------|--------|
| CHURCH AT ROWLAND | 2                        |                | MIN.           | 10         | 11      | 21      | 12       | 3                 | 8      |

**St** RIP RAP OUTLET PROTECTION  
N.T.S.

**24 HOUR EROSION CONTROL CONTACT:**  
PRIMARY PERMITTEE  
NAME: LARRY KAISER, P.E.  
ADDRESS: 945 BANK ST.  
CONYERS, GA 30012  
PHONE : 404-909-5619



**Chakira J. Johnson**  
Level II Certified Design Professional

CERTIFICATION NUMBER: **7212**  
ISSUED: **03/17/2018** EXPIRES: **03/17/2021**

Table 6-5.1. Fertilizer Requirements

| 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 Maintenance | 6-12-12<br>10-10-10          | 1000 lbs./ac.<br>400 lbs./ac.                              |                      |
| 2. Cool season grasses and legumes    | First              | 6-12-12                      | 1500 lbs./ac.  | 0-50 lbs./ac. 1/     |
|                                       | Second Maintenance | 0-10-10<br>0-10-10           | 1000 lbs./ac.<br>400 lbs./ac.                              |                      |
| 3. Ground covers                      | First              | 10-10-10                     | 1300 lbs./ac. 3/   | ---                  |
|                                       | Second Maintenance | 10-10-10<br>10-10-10         | 1300 lbs./ac. 3/<br>1100 lbs./ac.                          |                      |
| 4. Pine seedlings                     | First              | 20-10-5                      | one 21-gram pellet per seedling placed in the closing hole | ---                  |
| 5. Shrub 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 Maintenance | 6-12-12<br>10-10-10          | 800 lbs./ac.<br>400 lbs./ac.                               |                      |
| 8. Warm season grasses and legumes    | First              | 6-12-12                      | 1500 lbs./ac.  | 50 lbs./ac.6/        |
|                                       | Second Maintenance | 0-10-10<br>0-10-10           | 1000 lbs./ac.<br>400 lbs./ac.                              |                      |

1/ Apply in spring following seeding.  
 2/ Apply in split applications when high rates are used.  
 3/ Apply in 3 split applications.  
 4/ Apply when plants are pruned.  
 5/ Apply to grass species only.  
 6/ Apply when plants grow to a height of 2 to 4 inches.

Ds3 FERTILIZER RATES FOR PERMANENT VEGETATION

Ds3 STABILIZATION WITH PERMANENT VEGETATION

Ds3 STABILIZATION WITH PERMANENT VEGETATION

Ds3 STABILIZATION WITH PERMANENT VEGETATION

Table 6-5.2- Permanent Cover Crops  
 PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER 1

| Species                                    | Broadcast Rates |        | Resource Area <sup>2</sup> | Planting Dates by Resource Area |   |   |   |   |   |   |   |   |   |   |   | Remarks |  |   |
|--|-----------------|--------|----------------------------|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---------|--|---|
|  |                 |        |                            | J                               | F | M | A | M | J | J | A | S | O | N | D |         |  |   |
| CENTIPEDE<br><i>Eremochloa ophiuroides</i> | Block sod only  |        | P<br>C                     |                                 |   |   |   |   |   |   |   |   |   |   |   |         |  | Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far as north Athens and Atlanta                                  |
| CROWNVE TECH<br><i>Coronilla varia</i>     |                 |        |                            |                                 |   |   |   |   |   |   |   |   |   |   |   |         |  | 100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate see with M inoculant. Use from North Atlanta and Northward. |
| with winter annuals or cool season grasses | 15 lbs          | 0.3 lb | M-L<br>P                   |                                 |   |   |   |   |   |   |   |   |   |   |   |         |  |   |

Table 6-5.2- Permanent Cover Crops  
 PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER 1

| Species                                       | Broadcast Rates |          | Resource Area <sup>2</sup> | Planting Dates by Resource Area |   |   |   |   |   |   |   |   |   |   |   | Remarks |  |   |
|---|-----------------|----------|----------------------------|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---------|--|---|
|   |                 |          |                            | J                               | F | M | A | M | J | J | A | S | O | N | D |         |  |   |
| FESCUE, TALL<br><i>Festuca arundinacea</i>    | 50 lbs          | 1.1 lb   | M-L<br>P                   |                                 |   |   |   |   |   |   |   |   |   |   |   |         |  | 227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.                                 |
| LESPEDEZA SERICEA<br><i>Lespedeza cuneata</i> | 30 lbs          | 0.7 lb   |                            |                                 |   |   |   |   |   |   |   |   |   |   |   |         |  | 350,000 seed per pound. Widely adapted. Low maintenance. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant. |
| scarified                                     | 60 lbs          | 1.4 lb   | M-L<br>P<br>C              |                                 |   |   |   |   |   |   |   |   |   |   |   |         |  | Mix with Tall fescue or winter annuals.   |
| unscarified                                   | 75 lbs          | 1.7 lb   | M-L<br>P<br>C              |                                 |   |   |   |   |   |   |   |   |   |   |   |         |  | Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.  |
| seed-bearing hay                              | 3 tons          | 1338 lbs | M-L<br>P<br>C              |                                 |   |   |   |   |   |   |   |   |   |   |   |         |  |   |

FILE PATH: O:\CLARKSTON\7. CD DRAWINGS\XREF\2\ECF-000-017\_STORMWATER POND.DWG PLOTTED BY: JSANCHEZ

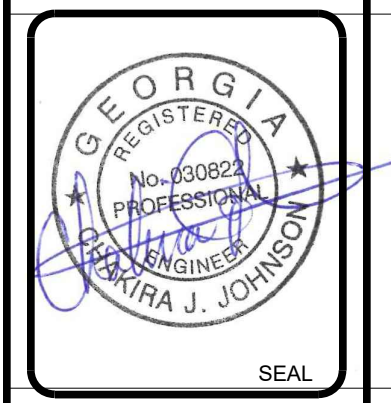
**24 HOUR EROSION CONTROL CONTACT:**  
 PRIMARY PERMITTEE  
 NAME: LARRY KAISER, P.E.  
 ADDRESS: 945 BANK ST.  
 CONYERS, GA 30012  
 PHONE : 404-909-5619



Georgia Soil and Water Conservation Commission

**Chakira J. Johnson**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: 7212  
 ISSUED: 03/17/2018 EXPIRES: 03/17/2021



|  |                  |
|--|------------------|
| DESIGNED BY: XXX                           | DATE: 05.13.2019 |
| CHKD BY: XXX                               |                  |
| DWN BY: XXX                                |                  |
| DESIGNED BY: XXX                           |                  |
| FILE NAME: ECF-000-017_Stormwater Pond.dwg |                  |
| FILE NUMBER: XXX                           |                  |
| CONTRACT NO.:                              |                  |
| SCALIGATION NO.:                           |                  |
| MARK                                       | DESCRIPTION      |
| DATE                                       | APPR             |

CITY OF CLARKSTON  
 SPLOST PEDESTRIAN PROJECT B & C -  
 ROWLAND STREET ROAD DIET  
 TRAILHEAD DESIGN

3500 Parkway Lane  
 Peachtree Corners, GA  
 30092 578.515.9740  
 EC-1180426 Fax: 678.338.7744

**POND**

POND PROJECT No. 1180426  
 PLOT SCALE: 22' x 34' = 1"

**ROWLAND STREET ROAD  
 DIET AND TRAILHEAD DESIGN**

STORMWATER POND  
 ESPC STD. DETAILS - VEGETATIVE

SHEET IDENTIFICATION NUMBER  
**56-004**



**24 HOUR EROSION CONTROL CONTACT:**

PRIMARY PERMITTEE  
 NAME: LARRY KAISER, P.E.  
 ADDRESS: 945 BANK ST.  
 CONYERS, GA 30012  
 PHONE : 404-909-5619

| MATERIAL                          | QUANTITY  |
|-----------------------------------|---|
| DRY STRAW OR HAY                  | 2" - 4" DEPTH   |
| WOOD WASTE (SAWDUST, BARK, CHIPS) | 2" - 3" DEPTH   |
| CUTBACK ASPHALT (SLOW CURING)     | 1200 GAL. PER ACRE (1/4 GAL PER SQ. YD.)                      |
| POLYETHYLENE FILM                 | COMPLETELY COVERING EXPOSED AREA. TRENCHED IN AT OUTER EDGES. |

STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. MULCH MAY BE ANCHORED BY MECHANICALLY PRESSING INTO SURFACE. IF SPREAD WITH BLOWER EQUIPMENT, MULCH SHALL BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1)--100 GAL. ASPHALT + 100 GAL. WATER PER TON OF MULCH. NETTING SHALL BE USED TO ANCHOR WOOD WASTE AND CHIPS. POLYETHYLENE SHALL BE TRENCHED IN AT EDGES.

Ds1 MULCHING

| Species                                      | Broadcast Rates                     |                                    | Resource Area <sup>3</sup> | Planting Dates by Resource Area   |   |   |   |   |   |   |   |   |   |   |   | Remarks   |
|--|-------------------------------------|------------------------------------|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |                                     |                                    |                            | Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates. |   |   |   |   |   |   |   |   |   |   |   |   |
|  | Rate Per Acre <sup>2</sup>          | Pure Live Seed (PLS) Per 1000 sqft |                            | J   | F | M | A | M | J | J | A | S | O | N | D |   |
| MILLET, PEARL<br><i>Pennisetum glaucum</i>   | 50 lbs                              | 1.1 lbs                            | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures. |
| OATS<br><i>Avena sativa</i>                  | 4 bu. (128 lbs)<br>1 bu. (32 lbs)   | 2.9 lbs<br>0.7 lb                  | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.             |
| RYE<br><i>Secale cereale</i>                 | 3 bu. (188 lbs)<br>1/2 bu. (28 lbs) | 3.9 lbs<br>0.6 lb                  | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.                              |
| RYEGRASS, ANNUAL<br><i>Lolium temulentum</i> | 40 lbs                              | 0.9 lb                             | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.            |
| SUDANGRASS<br><i>Sorghum sudanese</i>        | 60 lbs                              | 1.4 lbs                            | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.                        |

Ds2 STABILIZATION WITH TEMPORARY SEEDING

Table 6-4.1 - Temporary Cover or Companion Cover Crops  
 PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS<sup>1</sup>

| Species   | Broadcast Rates                     |                                    | Resource Area <sup>3</sup> | Planting Dates by Resource Area   |   |   |   |   |   |   |   |   |   |   |   | Remarks   |
|---|-------------------------------------|------------------------------------|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |                                     |                                    |                            | Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates. |   |   |   |   |   |   |   |   |   |   |   |   |
|   | Rate Per Acre <sup>2</sup>          | Pure Live Seed (PLS) Per 1000 sqft |                            | J   | F | M | A | M | J | J | A | S | O | N | D |   |
| BARLEY<br><i>Hordeum vulgare</i>                | 3 bu. (144 lbs)<br>1/2 bu. (24 lbs) | 3.3 lbs<br>0.6 lb                  | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 14,000 seed per pound. Winter hardy. Use on productive soils.   |
| LESPEDEZA, ANNUAL<br><i>Lespedeza striata</i>   | 40 lbs<br>10 lbs                    | 0.9 lb<br>0.2 lb                   | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 200,000 seed per pound. May volunteer for several years. Use inoculant EL.  |
| LOVEGRASS, WEEPING<br><i>Eragrostis curvula</i> | 4 lbs<br>2 lbs                      | 0.1 lb<br>0.05 lb                  | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 1,500,000 seed per pound. May last for several years. Mix with <i>Secale lespedeza</i> .                          |
| MILLET, BROWNTOP<br><i>Panicum fasciculatum</i> | 40 lbs<br>10 lbs                    | 0.9 lb<br>0.2 lb                   | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 137,000 seed per pound. Quick dense cover. Will provide excessive competition in mixtures if seeded at high rate. |

Ds2 STABILIZATION WITH TEMPORARY SEEDING

| Species                             | Broadcast Rates                     |                                    | Resource Area <sup>3</sup> | Planting Dates by Resource Area   |   |   |   |   |   |   |   |   |   |   |   | Remarks   |
|-------------------------------------|-------------------------------------|------------------------------------|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                     |                                     |                                    |                            | Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates. |   |   |   |   |   |   |   |   |   |   |   |   |
|                                     | Rate Per Acre <sup>2</sup>          | Pure Live Seed (PLS) Per 1000 sqft |                            | J   | F | M | A | M | J | J | A | S | O | N | D |   |
| TRITICALE<br><i>X-Triticosecale</i> | 3 bu. (144 lbs)<br>1/2 bu. (24 lbs) | 3.3 lbs<br>0.6 lb                  | C                          |   |   |   |   |   |   |   |   |   |   |   |   | Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only. |
| WHEAT<br><i>Triticum aestivum</i>   | 3 bu. (180 lbs)<br>1/2 bu. (30 lbs) | 4.1 lbs<br>0.7 lb                  | M-L<br>P<br>C              |   |   |   |   |   |   |   |   |   |   |   |   | 15,000 seed per pound. Winter hardy.  |

<sup>1</sup>Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily  
<sup>2</sup>Reduce seeding rates by 50% when drilled.  
<sup>3</sup>W-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs  
 P represents the Southern Piedmont MLRA  
 C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs  
 (see Figure 6-4.1, p. 6-40)

Ds2 STABILIZATION WITH TEMPORARY SEEDING

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**Chakira J. Johnson**  
 Level II Certified Design Professional

CERTIFICATION NUMBER 7212  
 ISSUED: 03/17/2018 EXPIRES: 03/17/2021

CITY OF CLARKSTON  
 SPLIST PEDESTRIAN PROJECT B & C - ROW/ TRAIL HEAD DESIGN

DESIGNED BY: XXX  
 CHECKED BY: XXX  
 SUBMITTED BY: XXX  
 FILE NAME: ECF-000-07\_Stormwater Pond.dwg  
 SIZE: 22' x 34'

DATE: 06/20/2019  
 SOLICITATION NO.:  
 CONTRACT NO.:  
 FILE NUMBER:  
 PLOT DATE: 06/20/2019

50% PLAN SUBMITTAL

MARK

DESCRIPTION

DATE

APPR.

CITY OF CLARKSTON  
 3000 Parkway Lane, Clarkston, GA 30025  
 30092, SUITE 500  
 Phone: 678.337.7740  
 Fax: 678.337.7744

POND PROJECT No. 1180426

**ROWLAND STREET ROAD DIET AND TRAIL HEAD DESIGN**

STORMWATER POND  
 ESPC STD. DETAILS - VEGETATIVE

SHEET IDENTIFICATION NUMBER  
**56-005**

FILE PATH: C:\CLARKSTON\7 - CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\REF\ECF-000-07\_STORMWATER POND.DWG PLOTTED BY: JSANCHEZ