



SPLOST 04D

**EAST PONCE DE LEON & CHURCH STREET PEDESTRIAN
IMPROVEMENTS**

ADDENDUM

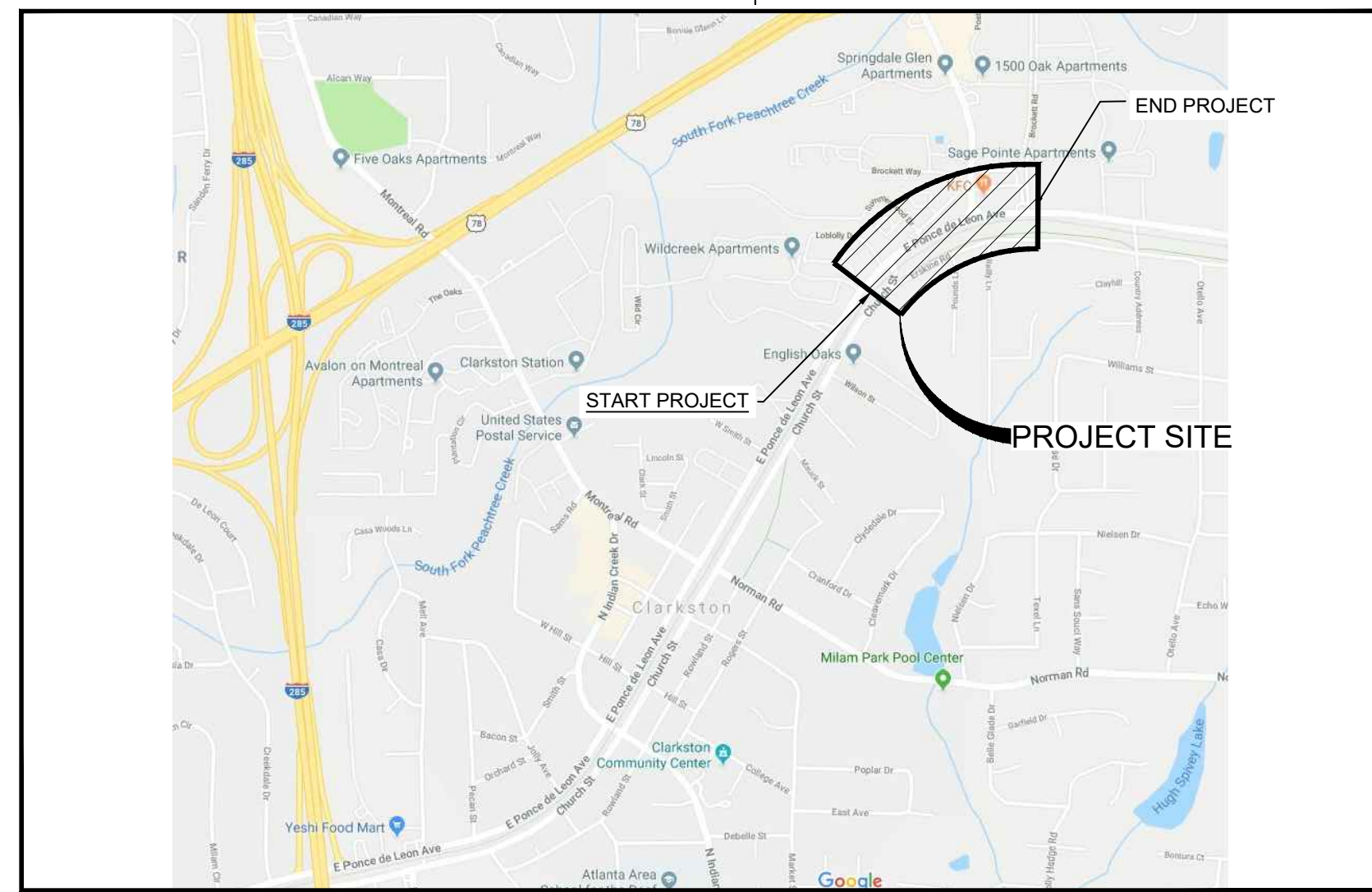
Date of Addendum Issuance: March 4th, 2019

Addendum No.: 2

Description of Addendum:

The following Construction Plan set (96 sheets) , dated 3/4/2019, shall replace the plan set included with the February 25th, 2019 ITB:

FILE PATH: \SWITCHBLADE\PROJECTS\FY19\190154\04_CAD_BIM\04_02_CAD\CHURCH & PONCE\01-000.DWG PLOTTED BY: THOMPSON, SYDNEY



VICINITY MAP
SCALE: NTS

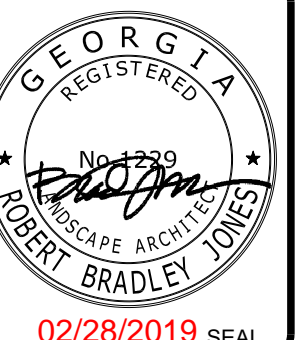


CITY OF CLARKSTON DEKALB COUNTY, GEORGIA CONSTRUCTION PLANS SPLOST 4 PEDESTRIAN ENHANCEMENTS PONCE DE LEON AVE/CHURCH ST. SIDEWALKS FEBRUARY 22, 2019

March 4th, 2019



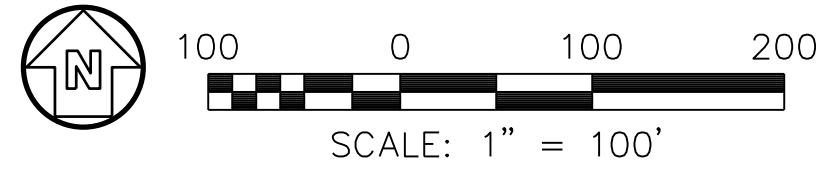
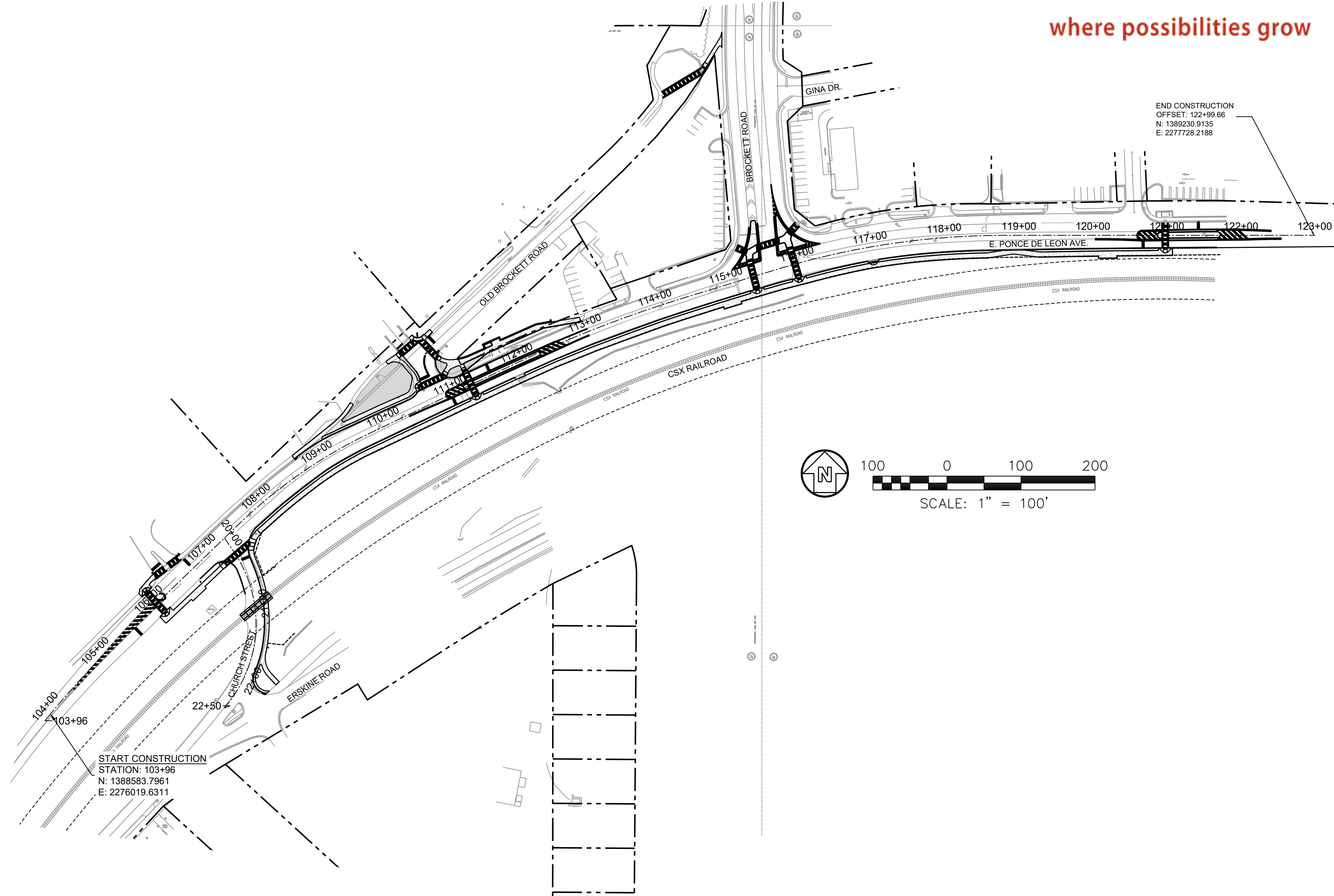
OWNER/DEVELOPER	
24-HOUR CONTACT: LARRY KAISER, P.E. PHONE 404-909-5619	OWNER: CITY OF CLARKSTON 1055 ROWLAND STREET CLARKSTON, GA 30021 ROBIN GOMEZ, CITY MANAGER
CIVIL DESIGN TEAM	
PROJECT MANAGER: BRAD JONES, PLA	POND AND COMPANY 3500 PARKWAY LANE SUITE 500 PEACHTREE CORNERS, GA 30092 PHONE (678) 336-7740 FAX (678) 336-7744 WEB: WWW.POND.CO.COM



02/28/2019 SEAL

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DATE	DESCRIPTION	MARK	APPR.
10/12/2019	100% SUBMITTAL		

DESIGNED BY:	DATE:	SUBMITTED BY:	FILE NAME:	FILE NUMBER:	FILE SCALE:	PLOT DATE:
RBJ	2/22/2019	RBJ	01-000.dwg		22' x 34"	02/28/2019

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

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

POND PROJECT No. 190154

PONCE/CHURCH SIDEWALKS

COVER SHEET

SHEET IDENTIFICATION NUMBER
01-000

100% DRAWINGS

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. ADD-ALTERNATE NOTE: THE SCOPE OF THE PROJECT INCLUDES WORK WITHIN RAILROAD RIGHT OF WAY OWNED BY CSX TRANSPORTATION, WHICH AT THE TIME OF BID WAS NOT APPROVED. THE BASE BID INCLUDES ALL WORK CONSIDERED OUTSIDE CSX RIGHT OF WAY, INCLUDING MEDIANS, SIGNAL WORK, STRIPING, PAVING, MARTA STOP RELOCATION, AND LANDSCAPING/SIDEWALKS ON THE NORTH SIDE OF E. PONCE DE LEON. ALL OTHER WORK, INCLUDING SIDEWALKS ON CHURCH STREET, GRANITE CURB RECONSTRUCTION, LANDSCAPING, ETC., WILL COMMENCE ONCE APPROVALS ARE OBTAINED FROM CSXT. THE CONTRACTOR IS TO PLAN FOR A DELAYED MOBILIZATION FOR THE ALTERNATE AREA AND COORDINATE ORDERING AND STORING OF MATERIALS FOR ALTERNATE ITEMS WITH COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619) ONCE THE CONTRACT IS SIGNED.
5. EXISTING CONDITIONS SHOWN ARE FROM A BOUNDARY AND TOPOGRAPHIC SURVEY FOR CITY OF CLARKSTON, PREPARED BY: WOLVERTON, INC., DATED 12/03/2018.
6. THERE ARE NO KNOWN EXISTING LANDFILLS OR PROPOSED ON-SITE BURY PITS.
7. THERE IS NO FLOODPLAIN LOCATED ON-SITE.
8. THERE ARE NO KNOWN WETLANDS OR STATE WATERS LOCATED ON-SITE.
9. A NOTICE OF INTENT IS REQUIRED FOR THIS PROJECT. PROJECT AREA: 28 ACRES - DISTURBED AREA: 1.75 ACRES.
10. 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.
11. 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.
12. REPETITIVE FEATURES ON PLANS NOT DRAWN IN THEIR ENTIRETY SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
13. 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.
14. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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).
20. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619), EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
21. 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.
22. 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.
23. 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).
24. 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.
25. CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES AS SHOWN ON THE DRAWINGS, DURING ALL PHASES OF CONSTRUCTION.
26. 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).
27. ALL GRANITE CURB INSTALLATION SHALL INCLUDE A MIN. 6" THICK CLASS B CONCRETE FOOTING THE ENTIRE LENGTH OF CURB.
28. ALL PAVEMENT GAPS AFTER CURB INSTALLATION SHALL BE FILLED WITH ASPHALT PATCHING.

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. THE TOTAL AREA SHOWN ON THE PLANS FOR GRADING COMPLETE IS FOR INFORMATION ONLY. CITY OF CLARKSTON ASSUMES NO RESPONSIBILITY FOR ACCURACY. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL AREA WHEN BIDDING ON GRADING COMPLETE. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON PLANS. COST FOR ITEMS TO BE REMOVED WHICH DO NOT HAVE A SEPARATE PAY ITEM SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE.
2. 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.
3. CONTRACTOR SHALL VERIFY PROJECT LIMITS PRIOR TO COMMENCING WORK. THE CONTRACTOR AND SUBCONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMITTING BIDS.
4. 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.
5. 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.
6. 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.
7. 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.
8. CONTRACTOR SHALL STRIP ALL TOPSOIL AND ORGANIC MATTER FROM AREAS TO BE MASS GRADED, UNLESS OTHERWISE INDICATED.
9. 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.
10. 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.
11. 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.
12. THE MAXIMUM CUT OR FILL SLOPES ARE 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE INDICATED.
13. 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.
14. FILL MATERIALS SHALL BE FREE OF TOPSOIL, ORGANICS, DELETERIOUS MATERIALS AND ROCK FRAGMENTS LARGER THAN 3 INCHES. ALL FILL MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF COLLABORATIVE INFRASTRUCTURE SERVICES, INC. (404-909-5619).
15. 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.
16. 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.
17. SEE LANDSCAPE OR TREE PROTECTION DRAWINGS FOR TREE PROTECTION REQUIREMENTS.
18. 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.

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, Phone Number, Contact Name, and Address. Includes Atlanta Gas Light, AT&T Telecommunications, Comcast, DeKalb County Dept of Watershed Mgmt, Georgia Power, Verizon, etc.

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 ERRECTED 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.

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\1190154\04_CAD_BIM\04_02_CAD\CHURCH & PONCE/01-000.DWG PLOTTED BY: THOMPSON, SYDNEY

Project information block containing logos for City of Clarkston and Georgia Registered Professional Engineer Robert Bradley Jones, project title 'PONCE/CHURCH SIDEWALKS', sheet number '04-001', and date '02/28/2019'.

D

C

B

A

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

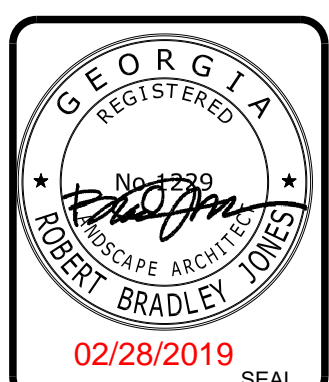
N	NORTHING
N/A	NOT APPLICABLE
N/F	NOW OR FORMERLY
NIC	NOT IN CONTRACT
NSA	NATIONAL STONE ASSOCIATION
O.C.	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
PIV	POST INDICATOR VALVE
POB	POINT OF BEGINNING
POV	PRIVATELY OWNED VEHICLE
PP	POWER POLE
PRVT	PRIVATE
PROP	PROPOSED
PSI	POUND PER SQUARE INCH
PSUS	PALMETTO 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	G	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
		PROPERTY LINE



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DATE	DESCRIPTION	MARK	APPR.
10/31/2019	100% SUBMITTAL		

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	FILE DATE: 02/28/2019
DRAWN BY: SBT	CHECKED BY: JLN				
SUBMITTED BY:					
FILE NAME: 01-000.dwg	FILE NUMBER:				
SIZE: 22' x 34"	PLOT SCALE: 1:1				

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

POND

3000 Parkway Lane GA
 30052 WHITE SOLE GA
 Phone: 678.352.7740 Fax: 678.352.7744

POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS

LEGEND & ABBREVIATIONS

SHEET IDENTIFICATION NUMBER
04-002

City of Clarkston, DeKalb County
SPLOST 4D - PONCE DE LEON AND CHURCH ST PEDESTRIAN IMPROVEMENTS
ITEM CODE ITEM DESCRIPTION QTY UM UNIT PRICE COST

610-0714 REM CONC MEDIAN 470 SY
610-1005 REM GRANITE CURB ALL SIZES 1756 LF
610-2815 REM CONC SIDEWALK 239 SY

ADD ALTERNATE - ALL WORK INSIDE CSX ROW - AUTUMN 2019 LET
150-1000 TRAFFIC CONTROL 1 LS
151-1000 RE-MOBILIZATION 1 LS
163-0232 TEMPORARY GRASSING 1.19 AC

TO BE INCLUDED IN BASE BID

SIGN QUANTITIES
STATION INSTL. NO. SIGN CODE
HIGHWAY SIGNS TP 1 MATL. REF L SHEETING TP 9
HIGHWAY SIGNS TP 1 MATL. REF L SHEETING TP 11
POSTS TYPE 7 GALVANIZED STEEL POST

NOTE: OBJECT MARKER SIGNS (OM-3L) SHALL BE INSTALLED ON PLASTIC FLEXIBLE DELINEATORS.

TO BE INCLUDED IN BASE BID

TRAFFIC STRIPE
DESCRIPTION UNIT QUANTITY
5 IN SOLID WHITE LF 255

TO BE INCLUDED IN BASE BID

THERMOPLASTIC PVMT MARKING
RAISED PAVEMENT MARKER
REMOVE SIGN POSTING
RESET SIGN POSTING

100% DRAWINGS

FILE PATH: N:\MTC\BLADE\PROJECTS\FY19\1190\5A04\CAD_BIM\04_02\CAD\CHURCH & PONCE\06-001.DWG PLOTTED BY: THOMPSON, SYDNEY



Table with columns for DATE (03/01/2019), DESCRIPTION, MARK, and APPR. with rows for 100% SUBMITTAL and 100% SUBMITTAL.

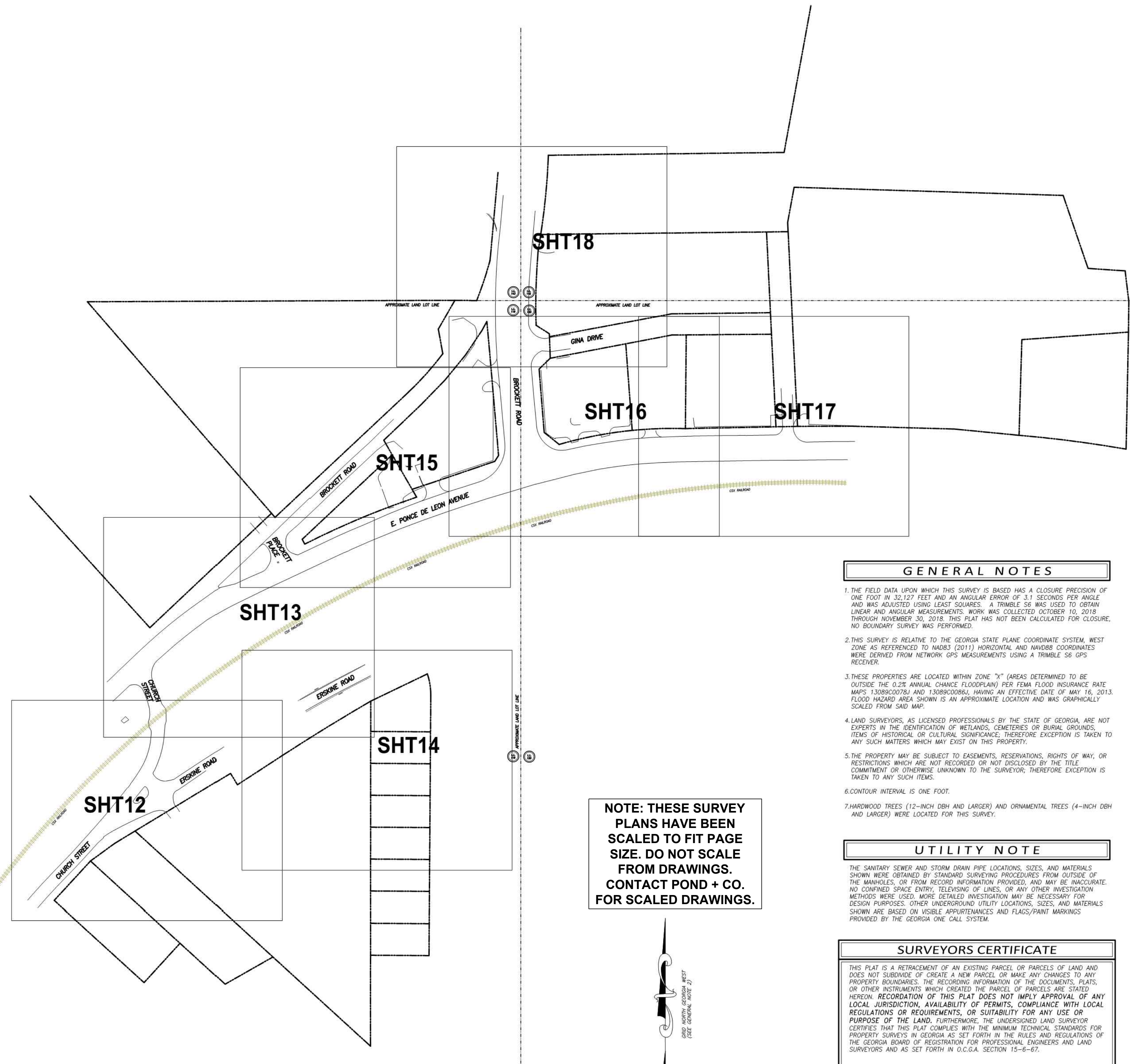
Table with fields for DATE (2/22/2019), SOLICITATION NO., CONTRACT NO., FILE NUMBER (06-001 DWG), PLOT DATE (03/01/2019), and PLOT SCALE (22' X 34').

CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK
POND logo
3500 Parkway Lane
5006 SUITE 500
Phone 678.387.7740
Fax 678.387.7744

PONCE/CHURCH SIDEWALKS SUMMARY OF QUANTITIES
Table listing various items and their quantities.

SHEET IDENTIFICATION NUMBER 06-001

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NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

GENERAL NOTES

1. THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE. NO BOUNDARY SURVEY WAS PERFORMED.
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3. THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FEMA FLOOD INSURANCE RATE MAPS 130800078A AND 130800081A HAVING AN EFFECTIVE DATE OF MAY 16, 2013. FLOOD HAZARD AREA SHOWN IS AN APPROXIMATE LOCATION AND WAS GRAPHICALLY SCALED FROM SAID MAP.
4. LAND SURVEYORS, AS LICENSED PROFESSIONALS BY THE STATE OF GEORGIA, ARE NOT EXPERTS IN THE IDENTIFICATION OF WETLANDS, CEMETERIES OR BURIAL GROUNDS, ITEMS OF HISTORICAL OR CULTURAL SIGNIFICANCE; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH MATTERS WHICH MAY EXIST ON THIS PROPERTY.
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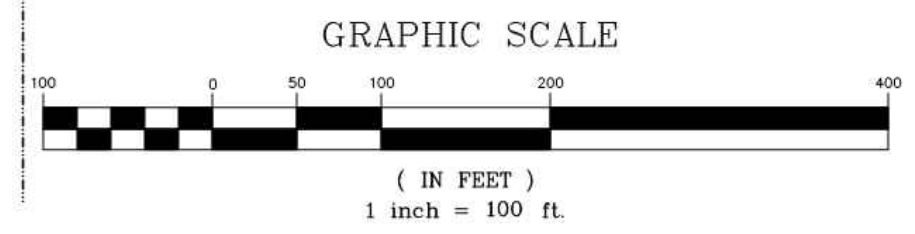
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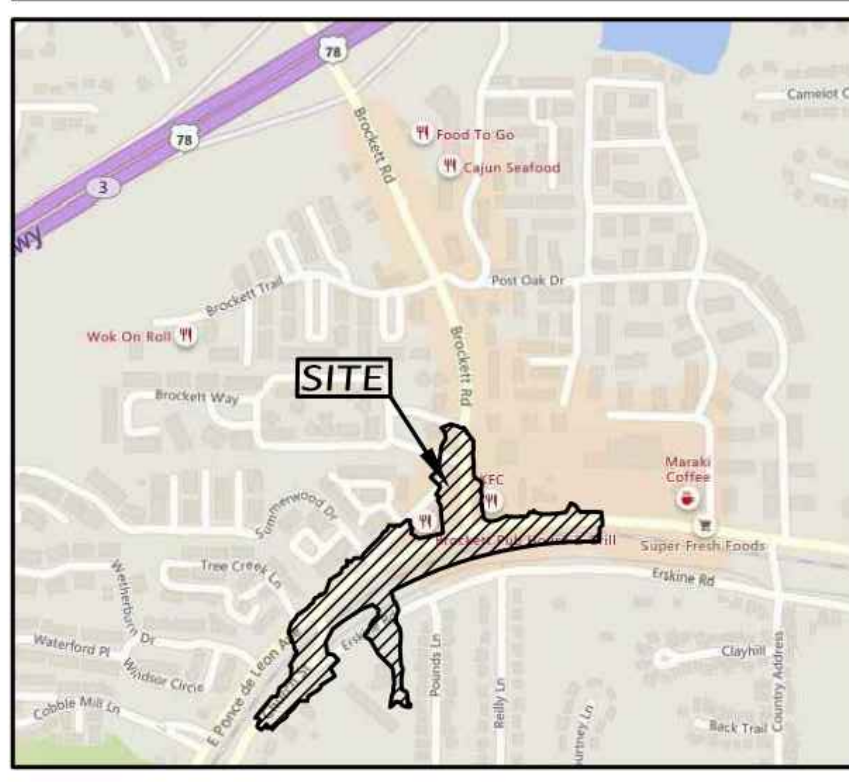
SURVEYORS CERTIFICATE

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THOMAS N. TRUE DATE
GA. REG. L.S. NO. 003352



VICINITY MAP - N.T.S.



LEGEND

SURVEY CONTROL	TOPOGRAPHIC FEATURES
Benchmark	Right-of-Way Monument Found
Control Point	Borehole
Catch Basin Double-wing	Mile Post
Catch Basin Single-wing	Street Sign
Curb Inlet	Woods Line
Drop Inlet	Air Condition Unit
Storm Drain Manhole	Bollard
Grease Trap	Corner
Sanitary Sewer Manhole	Column
Cleanout	Downspout
Air Release Valve	Mailbox
Sanitary Sewer Force Main Valve	Deciduous Tree/Trunk Size
Vent	Evergreen Tree/Trunk Size
Fire Hydrant	Signal Head
Fire Department Connection	Telephone Pole
Irrigation Control Valve	Telephone Manhole
Post Indicator Valve	Telephone Terminal Box
Sprinkler Head	Traffic Signal Box
Water Meter	Traffic Signal Pole
Water Valve	Underground Cable TV
Water Valve Marker	Underground Telephone Box
Well	Splice Box
Water Manhole	Subscriber Loop Carrier
Backflow Preventer	Cabinet
Pressure Indicator Valve	Phone Booth
Air Release Valve	Cable TV Pedestal
Water Vault	GAS
Stand Pipe	Gas Manhole
ELECTRIC/POWER	Gas Pressure Regulator
Underground Power Box	Gas Vault
Electric Box	Gas Test Station
Transformer	Petroleum Valve
Underground Electric Manhole	Gas Fill Cap
Hand Hole	Gas Meter
Guy Wire	Gas Valve
Electric Meter	MISC. UTILITY
Power Pole/Utility Pole	Utility Grate
Spotlight	Utility Marker
Street Light/Light Pole	

LINETYPES

EXISTING OVERHEAD	EXISTING UNDERGROUND
Electric Line	Electric
Electric/Telecommunications	Telecommunications
Electric/Cable TV	Cable TV
Electric/Traffic Control	Water
Electric/Telecommunications/Cable TV	Sanitary Sewer with Flow Direction
Electric/Telecommunications/Cable TV/Traffic Control	Petroleum
Electric/Cable TV/Traffic Control	Traffic Control
Telecommunications	Storm Sewer Pipe
Telecommunications/Traffic Control	
Telecommunications/Cable TV/Traffic Control	
Telecommunications/Cable TV	
Cable TV	
Cable TV/Traffic Control	
Traffic Control	
PROPERTY	FENCE LINES
City Limits Line	Barb Wire Fence
Limited Access	Chain Link Fence
Center of Creek	Wood Fence
Property Line	Woven Wire Fence

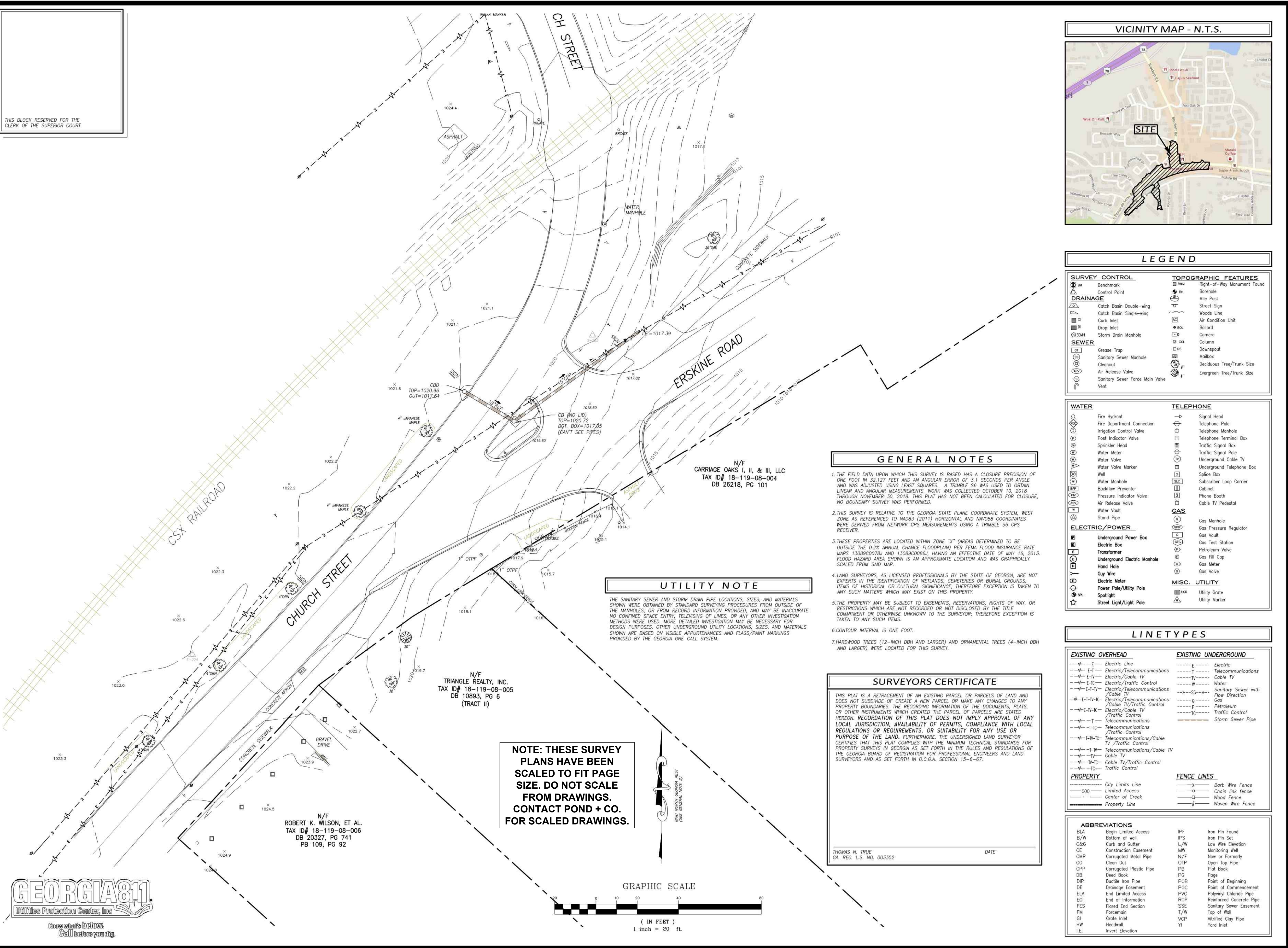
ABBREVIATIONS	IPF Iron Pin Found
BLA Begin Limited Access	IPS Iron Pin Set
B/W Bottom of wall	L/W Low Wire Elevation
C&G Curb and Gutter	M/W Monitoring Well
CE Construction Easement	N/F Now or Formerly
CMP Corrugated Metal Pipe	OTP Open Top Pipe
CO Clean Out	PB Plat Book
CPP Corrugated Plastic Pipe	PS Page
DB Dead Book	POB Point of Beginning
DIP Ductile Iron Pipe	POC Point of Commencement
DE Drainage Easement	PVC Polyvinyl Chloride Pipe
ELA End Limited Access	RCP Reinforced Concrete Pipe
EDI End of Information	R/SSE Sanitary Sewer Easement
FES Flared End Section	T/W Top of Wall
FM Foreman	VCP Vitrified Clay Pipe
GI Grate Inlet	YI Yard Inlet
HW Headwall	
IE Invert Elevation	

TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY
DRAWN BY	LGL
CHECKED BY	JDG
DATE:	12/03/2018
SCALE:	1" = 100'
JOB NO.	18-TP-032
SHEET NUMBER	11
OF 18 SHEETS	



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18-TP-032 D:\Projects\18-TP-032\18-TP-032.dwg

N/F
ROBERT K. WILSON, ET AL.
TAX ID# 18-119-08-006
DB 20327, PG 741
PB 109, PG 92

N/F
TRIANGLE REALTY, INC.
TAX ID# 18-119-08-005
DB 10893, PG 6
(TRACT II)

N/F
CARRIAGE OAKS I, II, & III, LLC
TAX ID# 18-119-08-004
DB 28218, PG 101

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

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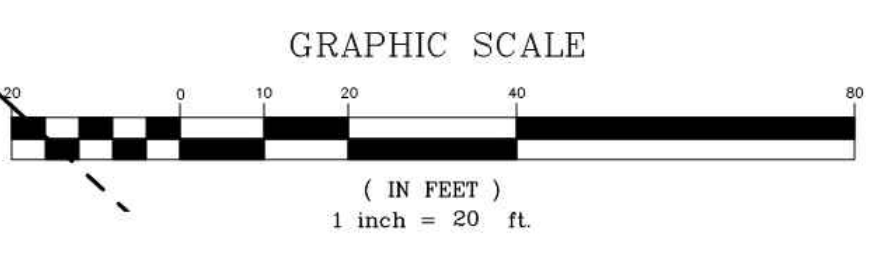
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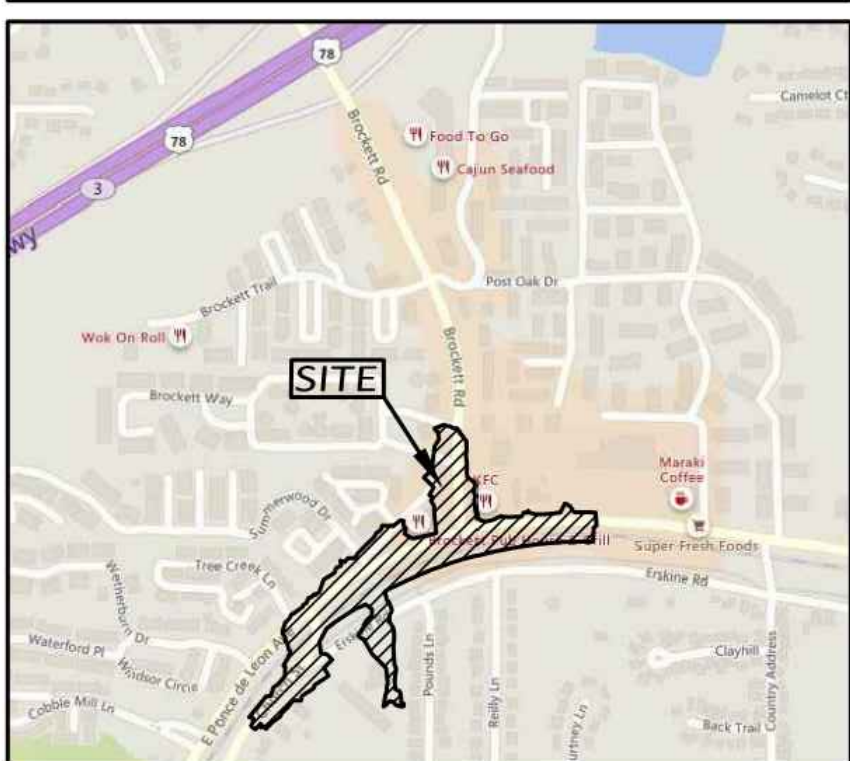
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THOMAS N. TRUE DATE
GA. REG. L.S. NO. 003352



VICINITY MAP - N.T.S.



LEGEND

SURVEY CONTROL BM Benchmark CP Control Point	TOPOGRAPHIC FEATURES RW Right-of-Way Monument Found BH Borehole MP Mile Post SS Street Sign WL Waste Line AC Air Condition Unit COL Column DS Downspout MB Mailbox DT Deciduous Tree/Trunk Size EV Evergreen Tree/Trunk Size			
DRAINAGE CB Catch Basin Double-wing CS Catch Basin Single-wing CI Curb Inlet DI Drop Inlet SDM Storm Drain Manhole	TELEPHONE FH Fire Hydrant FDC Fire Department Connection ICV Irrigation Control Valve PIV Post Indicator Valve SH Sprinkler Head WM Water Meter WV Water Valve WVM Water Valve Marker W Manhole BP Backflow Preventer PIV Pressure Indicator Valve AV Air Release Valve WV Water Vault SP Stand Pipe	ELECTRIC/POWER EP Electric Pole UB Undergroud Power Box TR Transformer UEM Undergroud Electric Manhole HH Hand Hole GW Guy Wire EM Electric Meter PP Power Pole/Utility Pole SP Spotlight SL Street Light/Light Pole	GAS GM Gas Manhole GRP Gas Pressure Regulator GV Gas Valve GS Gas Test Station PV Petroleum Valve GF Gas Fill Cap GM Gas Meter GU Gas Valve	MISC. UTILITY UM Utility Marker UH Utility Hole

LINETYPES

EXISTING OVERHEAD E Electric Line ET Electric/Telecommunications ETV Electric/Cable TV ETC Electric/Traffic Control ETN Electric/Telecommunications/Cable TV ETNTV Electric/Telecommunications/Cable TV/Traffic Control T Telecommunications TCTV Telecommunications/Cable TV/Traffic Control TNV Telecommunications/Cable TV NT Cable TV/Traffic Control TC Traffic Control	EXISTING UNDERGROUND E Electric T Telecommunications TV Cable TV W Water SS Sanitary Sewer with Flow Direction G Gas P Petroleum TC Traffic Control SS Storm Sewer Pipe	FENCE LINES X Barb Wire Fence C Chain Link Fence B Blood Fence W Woven Wire Fence
--	---	--

ABBREVIATIONS

BLA Begin Limited Access	IPF Iron Pin Found
B/W Bottom of well	IPS Iron Pin Set
C&G Curb and Gutter	L/W Low Wire Elevation
CE Construction Easement	MW Monitoring Well
CMP Corrugated Metal Pipe	N/F Now or Formerly
CO Clean Out	OTP Open Top Pipe
CPP Corrugated Plastic Pipe	PB Plat Book
DB Deed Book	PG Page
DI Ductile Iron Pipe	POB Point of Beginning
DE Drainage Easement	POC Point of Commencement
EIA End Limited Access	PVC Polyvinyl Chloride Pipe
EI End of Information	RCP Reinforced Concrete Pipe
FES Flared End Section	SSE Sanitary Sewer Easement
FM Foreman	T/W Top of Well
GI Grate Inlet	VCP Vitrified Clay Pipe
HW Headwall	YI Yard Inlet
IE Invert Elevation	

TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY

DRAWN BY LGL
CHECKED BY JDG
DATE: 12/03/2018
SCALE: 1" = 20'
JOB No. 18-TP-032
SHEET NUMBER
12
OF 18 SHEETS

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Phone: 770-447-8899
www.wolvertoninc.com

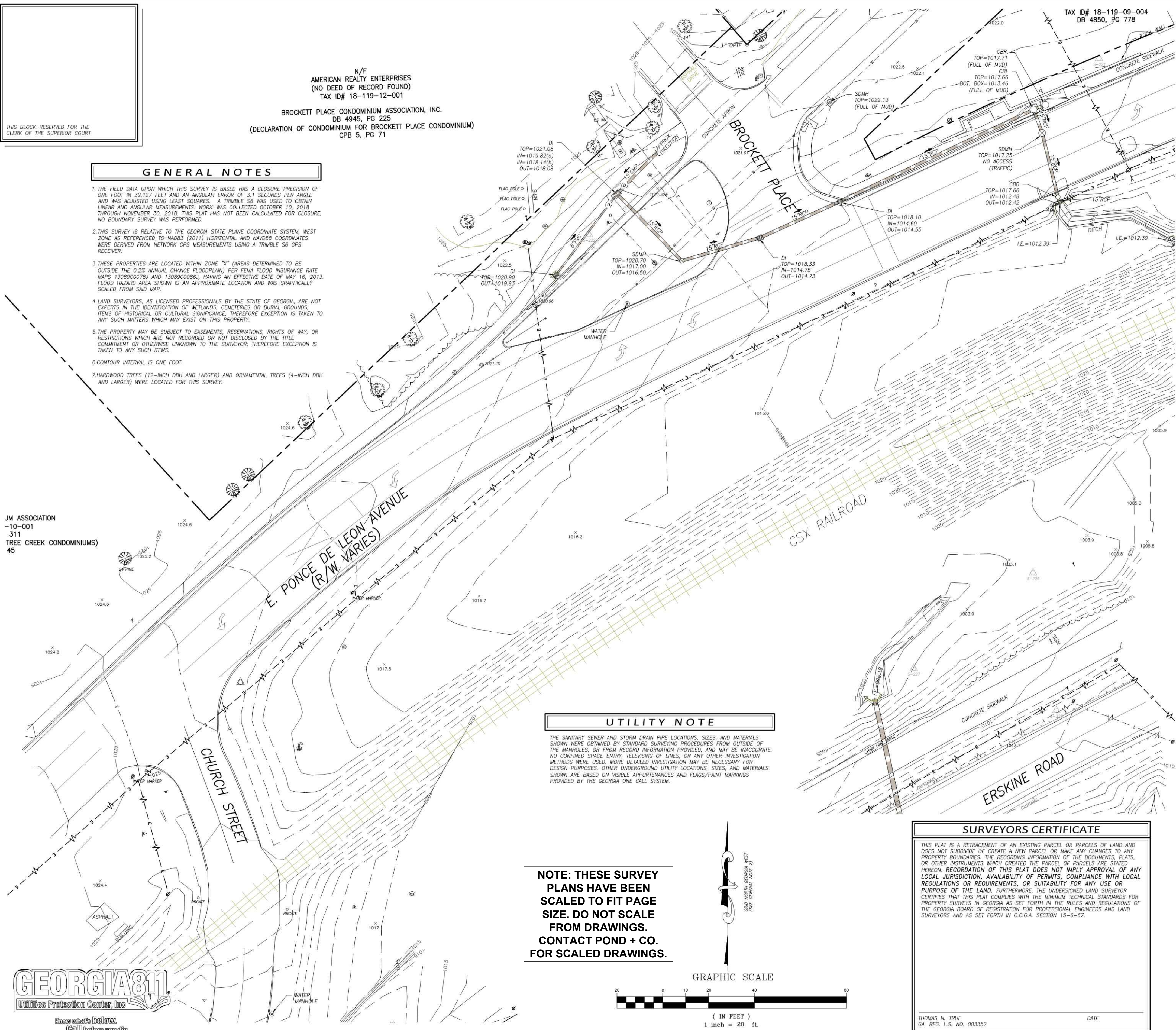
THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT

N/F
 AMERICAN REALTY ENTERPRISES
 (NO DEED OF RECORD FOUND)
 TAX ID# 18-119-12-001
 BROCKETT PLACE CONDOMINIUM ASSOCIATION, INC.
 DB 4945, PG 225
 (DECLARATION OF CONDOMINIUM FOR BROCKETT PLACE CONDOMINIUM)
 CPB 5, PG 71

GENERAL NOTES

1. THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE, NO BOUNDARY SURVEY WAS PERFORMED.
2. THIS SURVEY IS RELATIVE TO THE GEORGIA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO NAD83 (2011) HORIZONTAL AND NAVD83 COORDINATES WERE DERIVED FROM NETWORK GPS MEASUREMENTS USING A TRIMBLE S6 GPS RECEIVER.
3. THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FEMA FLOOD INSURANCE RATE MAPS 13089C00781 AND 13089C00861, HAVING AN EFFECTIVE DATE OF MAY 16, 2013. FLOOD HAZARD AREA SHOWN IS AN APPROXIMATE LOCATION AND WAS GRAPHICALLY SCALED FROM SAID MAP.
4. LAND SURVEYORS, AS LICENSED PROFESSIONALS BY THE STATE OF GEORGIA, ARE NOT EXPERTS IN THE IDENTIFICATION OF WETLANDS, CEMETERIES OR BURIAL GROUNDS, ITEMS OF HISTORICAL OR CULTURAL SIGNIFICANCE, THEREFORE EXCEPTION IS TAKEN TO ANY SUCH MATTERS WHICH MAY EXIST ON THIS PROPERTY.
5. THE PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
6. CONTOUR INTERVAL IS ONE FOOT.
7. HARDWOOD TREES (12-INCH DBH AND LARGER) AND ORNAMENTAL TREES (4-INCH DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.

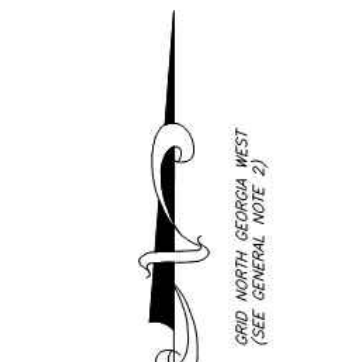
JM ASSOCIATION
 -10-001
 311
 TREE CREEK CONDOMINIUMS)
 45



UTILITY NOTE

THE SANITARY SEWER AND STORM DRAIN PIPE LOCATIONS, SIZES, AND MATERIALS SHOWN WERE OBTAINED BY STANDARD SURVEYING PROCEDURES FROM OUTSIDE OF THE MANHOLES, OR FROM RECORD INFORMATION PROVIDED, AND MAY BE INACCURATE. NO CONFINED SPACE ENTRY, TELEVISION OF LINES, OR ANY OTHER INVESTIGATION METHODS WERE USED. MORE DETAILED INVESTIGATION MAY BE NECESSARY FOR DESIGN PURPOSES. OTHER UNDERGROUND UTILITY LOCATIONS, SIZES, AND MATERIALS SHOWN ARE BASED ON VISIBLE APPEARANCES AND FLAGS/PAINT MARKINGS PROVIDED BY THE GEORGIA ONE CALL SYSTEM.

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

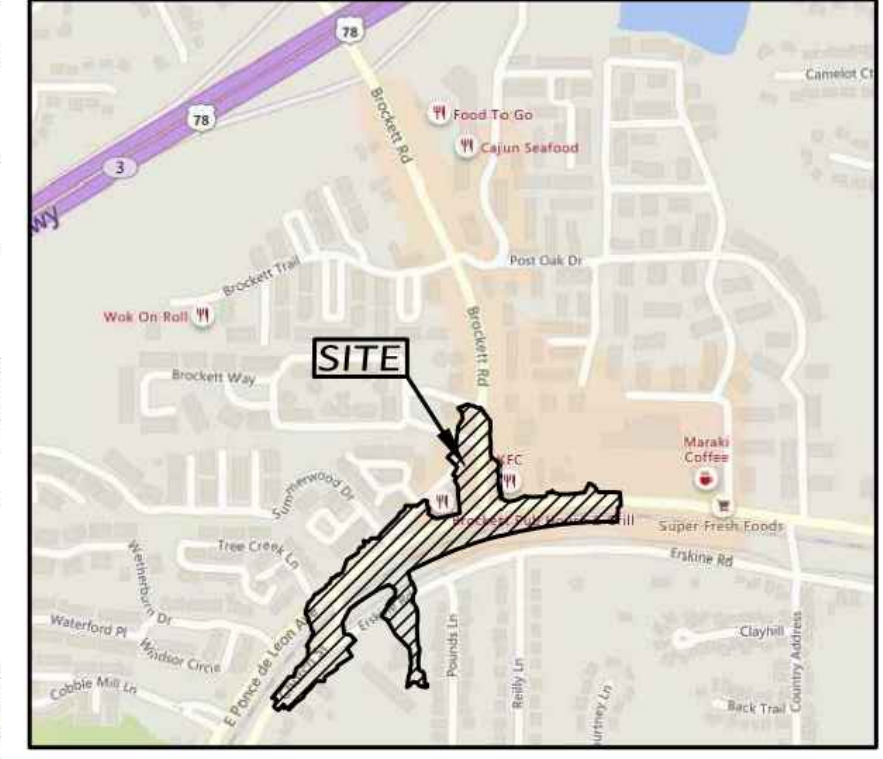


SURVEYORS CERTIFICATE

THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, PLATS, OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OF PARCELS ARE STATED HEREON. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

THOMAS N. TRUE
 GA. REG. L.S. NO. 003352
 DATE

VICINITY MAP - N.T.S.



LEGEND

SURVEY CONTROL		TOPOGRAPHIC FEATURES	
BM	Benchmark	BM	Borehole
CP	Control Point	MP	Mile Post
DRAINAGE		SS	Street Sign
CB	Catch Basin Double-wing	WL	Woods Line
CS	Catch Basin Single-wing	ACU	Air Condition Unit
CI	Curb Inlet	B	Bulb
DI	Drop Inlet	CM	Camera
SMH	Storm Drain Manhole	COL	Column
SEWER		DS	Downspout
GT	Grease Trap	M	Mailbox
SSM	Sanitary Sewer Manhole	DT	Deciduous Tree/Trunk Size
CN	Cleanout	ET	Evergreen Tree/Trunk Size
ARV	Air Release Valve		
SSMVF	Sanitary Sewer Force Main Valve		
V	Vent		
WATER		TELEPHONE	
FH	Fire Hydrant	SH	Signal Head
FDC	Fire Department Connection	TP	Telephone Pole
ICV	Irrigation Control Valve	TM	Telephone Manhole
PIV	Post Indicator Valve	TTB	Telephone Terminal Box
SH	Sprinkler Head	TSP	Traffic Signal Pole
WM	Water Meter	UCV	Underground Cable TV
WV	Water Valve	UTP	Underground Telephone Box
WVM	Water Valve Marker	SB	Splice Box
W	Well	SLC	Subscriber Loop Carrier
WMH	Water Manhole	C	Cabinet
BPF	Backflow Preventer	PB	Phone Booth
PIV	Pressure Indicator Valve	CTP	Cable TV Pedestal
ARV	Air Release Valve	GAS	
WV	Water Vault	GM	Gas Manhole
SP	Stand Pipe	GR	Gas Pressure Regulator
ELECTRIC/POWER		GV	Gas Vault
UPB	Underground Power Box	GT	Gas Test Station
EB	Electric Box	PV	Petroleum Valve
TR	Transformer	GTC	Gas Tilt Cap
UEM	Underground Electric Manhole	GM	Gas Meter
HH	Hand Hole	GV	Gas Valve
EM	Electric Meter	MISC. UTILITY	
PPU	Power Pole/Utility Pole	UG	Utility Grate
SL	Spotlight	UM	Utility Marker
SLLP	Street Light/Light Pole		

LINETYPES

EXISTING OVERHEAD		EXISTING UNDERGROUND	
—E—	Electric Line	—E—	Electric
—E-T—	Electric/Telecommunications	—E-T—	Electric/Telecommunications
—E-TV—	Electric/Cable TV	—E-TV—	Cable TV
—E-T-C—	Electric/Traffic Control	—W—	Water
—E-T-TV—	Electric/Telecommunications/Cable TV	—SS—	Sanitary Sewer with Flow Direction
—E-T-TV-C—	Electric/Telecommunications/Cable TV/Traffic Control	—G—	Gas
—E-T-TV-T—	Electric/Telecommunications/Cable TV/Traffic Control/Telephone	—P—	Petroleum
—E-T-TV-T-C—	Electric/Telecommunications/Cable TV/Traffic Control/Telephone/Cable TV	—T—	Traffic Control
—E-T-TV-T-C-T—	Electric/Telecommunications/Cable TV/Traffic Control/Telephone/Cable TV/Traffic Control	—TC—	Storm Sewer Pipe
—T—	Telephone		
—TV—	Telecommunications/Cable TV		
—TV—	Cable TV		
—TV-C—	Cable TV/Traffic Control		
—TV-T—	Traffic Control		
PROPERTY		FENCE LINES	
---	City Limits Line	—	Barb Wire Fence
---	Limited Access	—	Chain Link Fence
---	Center of Creek	—	Wood Fence
---	Property Line	—	Woven Wire Fence

ABBREVIATIONS

BLA	Begin Limited Access	IPF	Iron Pin Found
B/W	Bottom of wall	IPS	Iron Pin Set
C&G	Curb and Gutter	L/W	Low Wire Elevation
CE	Construction Easement	MW	Monitoring Well
CMP	Corrugated Metal Pipe	N/F	Now or Formerly
CO	Clean Out	OTP	Open Top Pipe
CPP	Corrugated Plastic Pipe	PB	Plot Book
DB	Deed Book	PG	Page
DIP	Ductile Iron Pipe	POB	Point of Beginning
DE	Drainage Easement	POC	Point of Commencement
ELA	End Limited Access	PVC	Polyvinyl Chloride Pipe
EI	End of Information	RCP	Reinforced Concrete Pipe
FES	Flared End Section	SSE	Sanitary Sewer Easement
FM	Foreman	T/W	Top of Wall
GI	Grate Inlet	VCP	Vertified Clay Pipe
HW	Headwall	YI	Yard Inlet
I.E.	Invert Elevation		

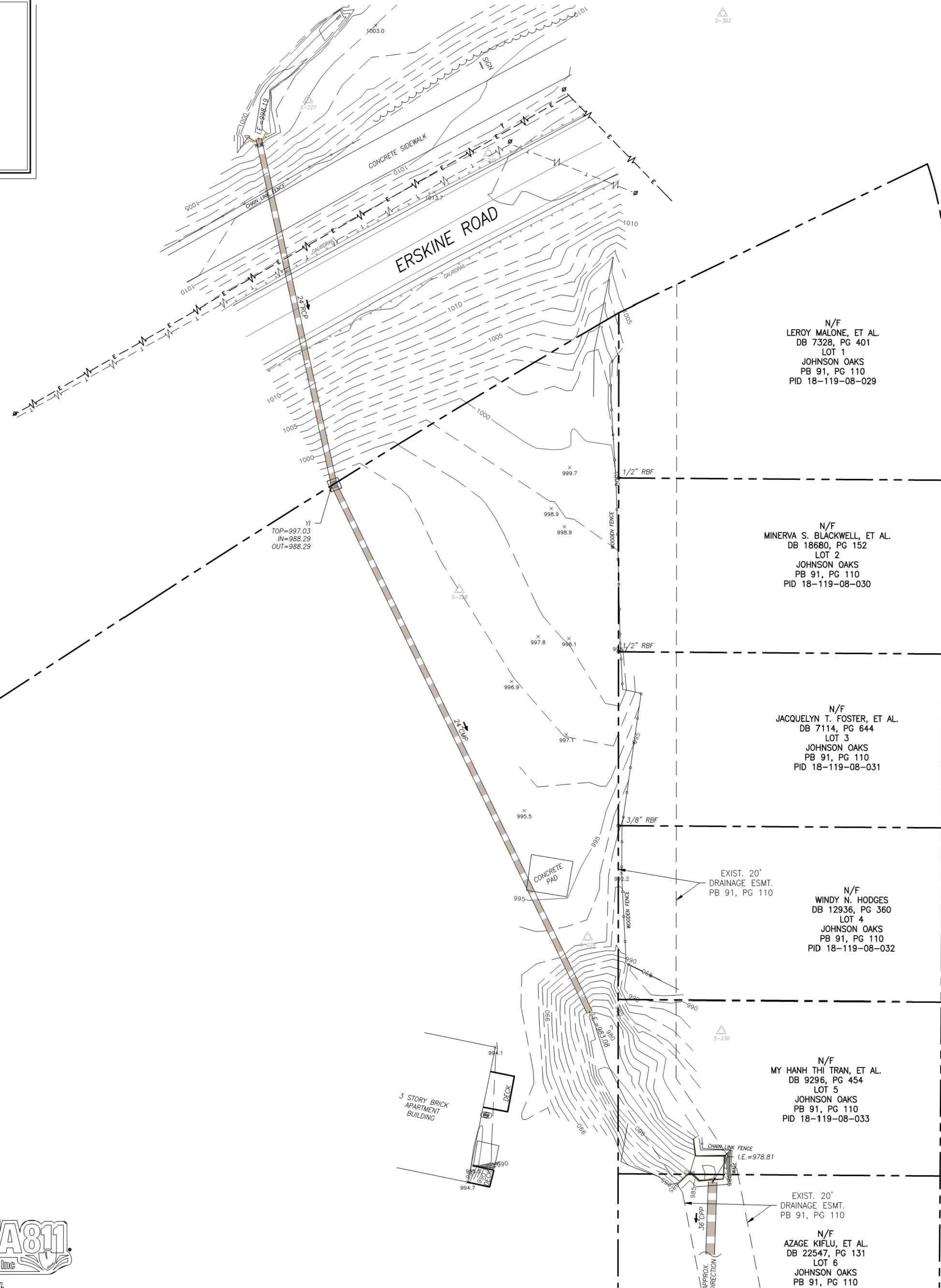
TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
 LAND LOTS 96, 97, 119, 120, 142 & 143
 18TH LAND DISTRICT
 DEKALB COUNTY, GEORGIA

REVISIONS	BY

DRAWN BY **LGL**
 CHECKED BY **JDG**
 DATE: **12/03/2018**
 SCALE: **1"= 20'**
 JOB No. **18-TP-032**
 SHEET NUMBER
13
 OF 18 SHEETS



THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT



N/F LEROY MALONE, ET AL. DB 7328, PG 401 LOT 1 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-029

N/F MINERVA S. BLACKWELL, ET AL. DB 18660, PG 152 LOT 2 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-030

N/F JACQUELYN T. FOSTER, ET AL. DB 7114, PG 644 LOT 3 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-031

N/F WINDY N. HODGES DB 12936, PG 454 LOT 4 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-032

N/F MY HANH THI TRAN, ET AL. DB 9296, PG 454 LOT 5 JOHNSON OAKS PB 91, PG 110 PID 18-119-08-033

N/F AZAGE KIFLU, ET AL. DB 22547, PG 131 LOT 6 JOHNSON OAKS PB 91, PG 110

GENERAL NOTES

- 1. THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE... 2. THIS SURVEY IS RELATIVE TO THE GEORGIA STATE PLANE COORDINATE SYSTEM... 3. THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN)...

UTILITY NOTE

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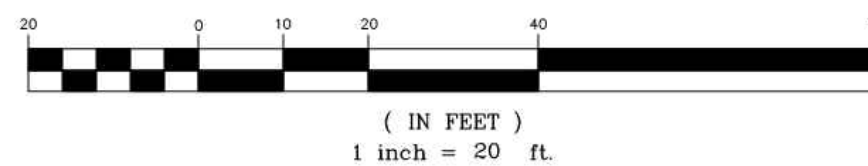
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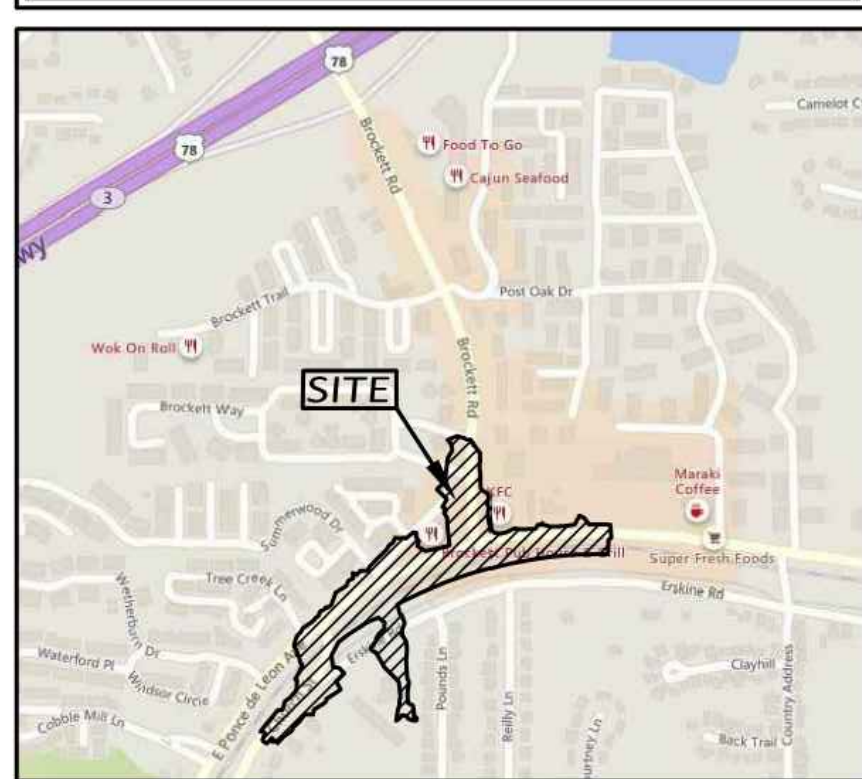
THOMAS N. TRUE DATE GA. REG. L.S. NO. 003352

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

GRAPHIC SCALE



VICINITY MAP - N.T.S.



LEGEND

Table with two columns: SURVEY CONTROL and TOPOGRAPHIC FEATURES. Includes symbols for benchmarks, control points, catch basins, sewer manholes, and various vegetation types.

WATER

Table listing water and gas symbols such as fire hydrants, valves, manholes, and meters.

LINETYPES

Table showing line types for existing overhead and underground utilities, and property boundaries.

ABBREVIATIONS

Table of abbreviations for various surveying and engineering terms like B/L, B/W, C&G, etc.



6745 Sugarloaf Parkway • Suite 100 • Duluth, Georgia 30097 Phone: 770-417-8888 www.wolvertoninc.com

TOPOGRAPHIC SURVEY FOR: CITY OF CLARKSTON, GEORGIA LAND LOTS 96, 97, 119, 120, 142 & 143 18TH LAND DISTRICT DEKALB COUNTY, GEORGIA

Table with columns for REVISIONS and BY.

DRAWN BY: LGL CHECKED BY: JDG DATE: 12/03/2018 SCALE: 1" = 20' JOB No.: 18-TP-032 SHEET NUMBER: 14 OF 18 SHEETS



THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.

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N/F
McCAR DEVELOPMENT CORP.
TAX ID# 18-119-14-011
DB 15106, PG 46
PB 151, PG 83

THOMAS N. TRUE
GA. REG. L.S. NO. 003352
DATE

UTILITY NOTE

THE SANITARY SEWER AND STORM DRAIN PIPE LOCATIONS, SIZES, AND MATERIALS SHOWN WERE OBTAINED BY STANDARD SURVEYING PROCEDURES FROM OUTSIDE OF THE MANHOLES, OR FROM RECORD INFORMATION PROVIDED, AND MAY BE INACCURATE. NO CONFINED SPACE ENTRY, TELEVISION OF LINES, OR ANY OTHER INVESTIGATION METHODS WERE USED. MORE DETAILED INVESTIGATION MAY BE NECESSARY FOR DESIGN PURPOSES. OTHER UNDERGROUND UTILITY LOCATIONS, SIZES, AND MATERIALS SHOWN ARE BASED ON VISIBLE APPURTENANCES AND FLAGS/PAIN MARKINGS PROVIDED BY THE GEORGIA ONE CALL SYSTEM.

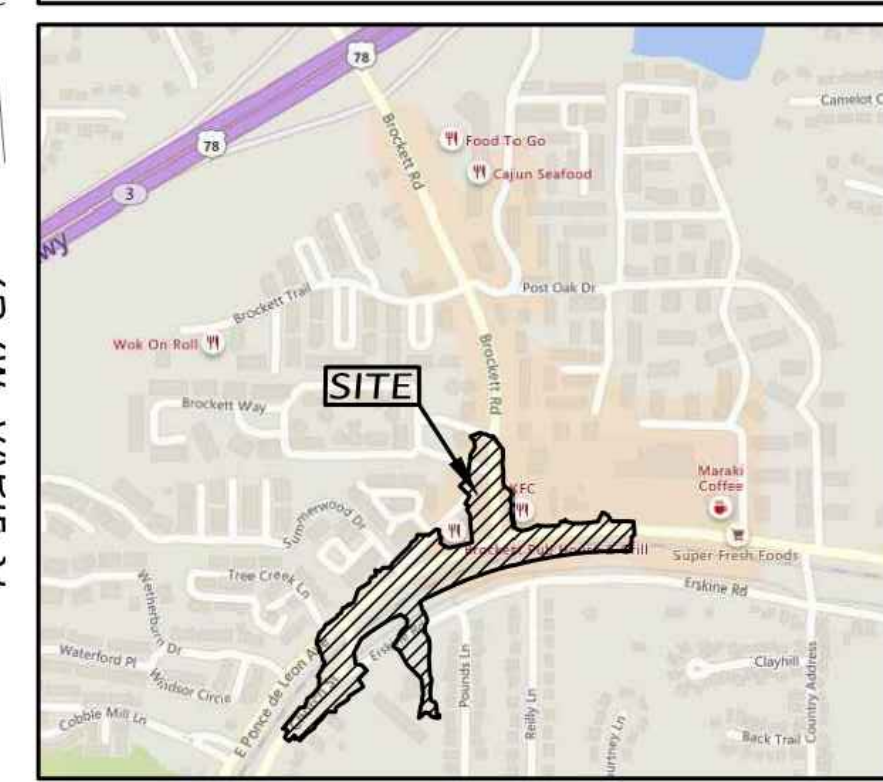
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McCAR DEVELOPMENT CORP.
TAX ID# 18-119-14-011
DB 15106, PG 46
PB 151, PG 83

N/F
BROCKETT TRIANGLE ENTERPRISES, INC.
TAX ID# 18-119-09-001
DB 4850, PG 779

N/F
BROCKETT TRIANGLE ENTERPRISES, INC.
TAX ID# 18-119-09-004
DB 4850, PG 778

N/F
BROCKETT TRIANGLE ENTERPRISES, INC.
TAX ID# 18-119-09-004
DB 4850, PG 778

VICINITY MAP - N.T.S.



LEGEND

SURVEY CONTROL	TOPOGRAPHIC FEATURES
Control Point	Borehole
DRAINAGE	Mile Post
Catch Basin Double-wing	Street Sign
Catch Basin Single-wing	Woods Line
Curb Inlet	Air Condition Unit
Drop Inlet	Bakery
Storm Drain Manhole	Camera
SEWER	Column
Grease Trap	Downspout
Sanitary Sewer Manhole	Mailbox
Cleanout	Deciduous Tree/Trunk Size
Air Release Valve	Evergreen Tree/Trunk Size
Sanitary Sewer Force Main Valve	
Vent	
WATER	TELEPHONE
Fire Hydrant	Signal Head
Fire Department Connection	Telephone Pole
Irrigation Control Valve	Telephone Manhole
Post Indicator Valve	Telephone Terminal Box
Sprinkler Head	Traffic Signal Box
Water Meter	Traffic Signal Pole
Water Valve	Underground Cable TV
Water Valve Marker	Underground Telephone Box
Well	Splice Box
Water Manhole	Subscriber Loop Carrier
Backflow Preventer	Cabinet
Pressure Indicator Valve	Phone Booth
Air Release Valve	Cable TV Pedestal
Water Vault	GAS
Stand Pipe	Gas Manhole
ELECTRIC/POWER	Gas Pressure Regulator
Underground Power Box	Gas Vault
Electric Box	Gas Test Station
Transformer	Petroleum Valve
Underground Electric Manhole	Gas Fill Cap
Hand Hole	Gas Meter
Guy Wire	Gas Valve
Electric Meter	MISC. UTILITY
Power Pole/Utility Pole	Utility Grate
Spotlight	Utility Marker
Street Light/Light Pole	

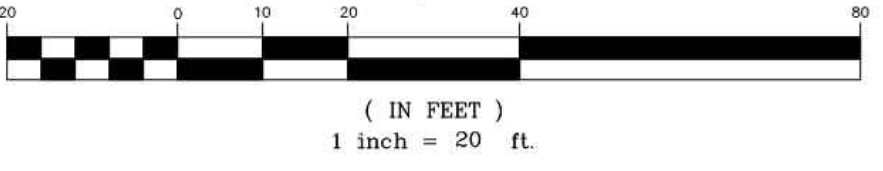
LINETYPES

EXISTING OVERHEAD	EXISTING UNDERGROUND
Electric Line	Electric
Electric/Telecommunications	Telecommunications
Electric/Cable TV	Cable TV
Electric/Traffic Control	Water
Electric/Telecommunications/Cable TV/Traffic Control	Sanitary Sewer with Flow Direction
Electric/Telecommunications/Cable TV/Traffic Control	Gas
Electric/Cable TV/Traffic Control	Petroleum
Traffic Control	Traffic Control
Telecommunications	Storm Sewer Pipe
Telecommunications/Traffic Control	
Telecommunications/Cable TV/Traffic Control	
Telecommunications/Cable TV	
Cable TV	
Cable TV/Traffic Control	
Traffic Control	
PROPERTY	FENCE LINES
City Limits Line	Barb Wire Fence
Limited Access	Chain Link Fence
Center of Gress	Wood Fence
Property Line	Woven Wire Fence

GENERAL NOTES

- THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE. NO BOUNDARY SURVEY WAS PERFORMED.
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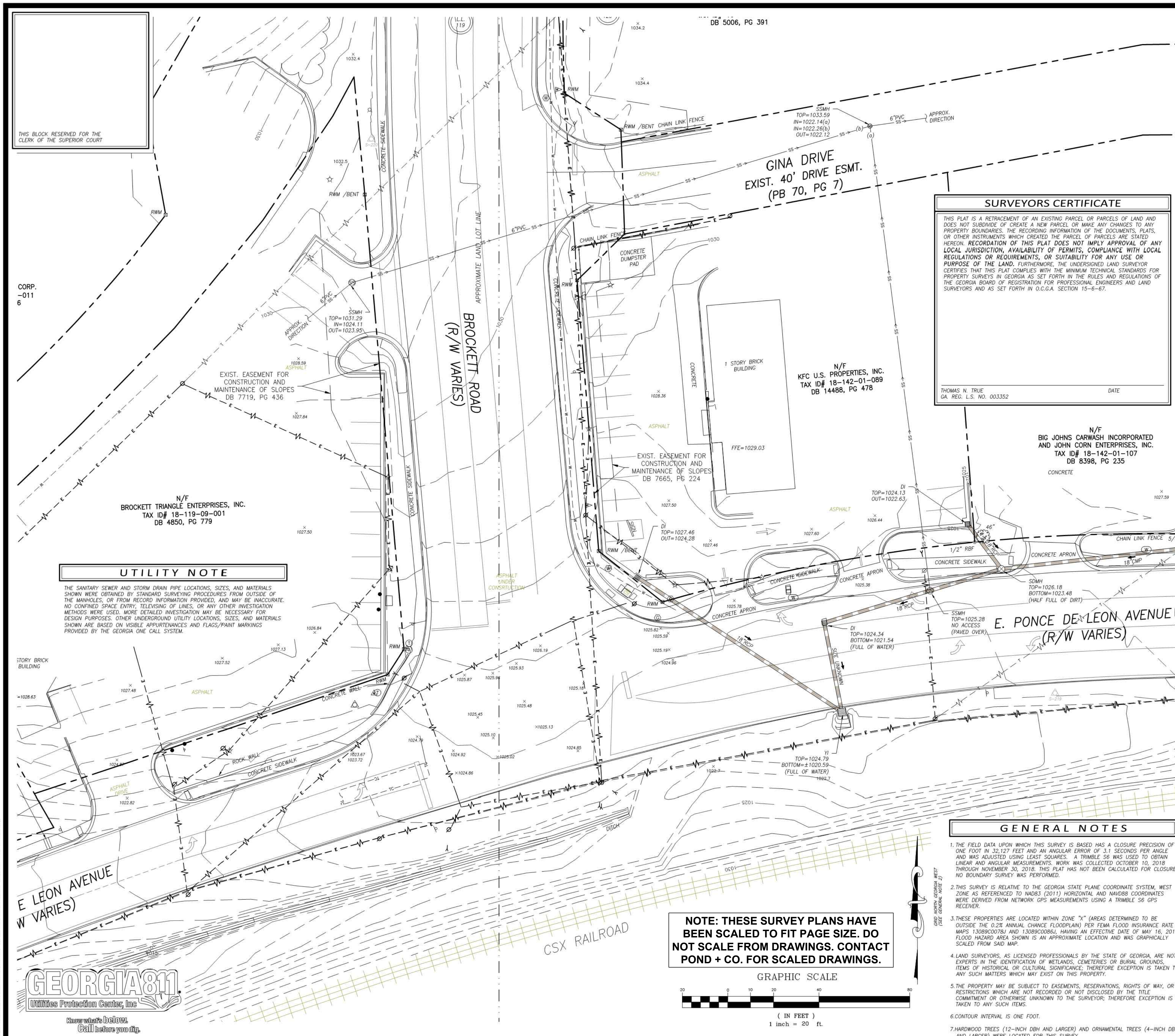
GRAPHIC SCALE



TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY

DRAWN BY	LGL
CHECKED BY	JDG
DATE:	12/03/2018
SCALE:	1" = 20'
JOB No.	18-TP-032
SHEET NUMBER	15
OF 18 SHEETS	



THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT

CORP. -011 6

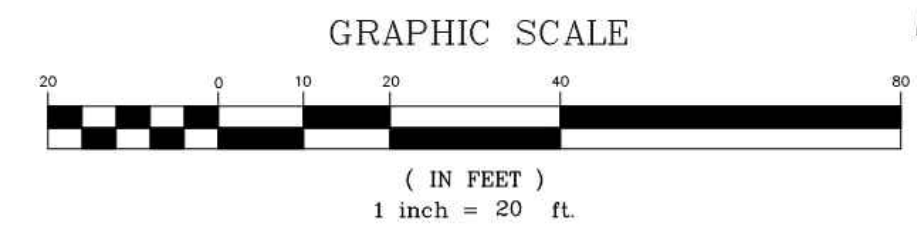
N/F BROCKETT TRIANGLE ENTERPRISES, INC. TAX ID# 18-119-09-001 DB 4850, PG 779

UTILITY NOTE
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E LEON AVENUE (R/W VARIES)



NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.



SURVEYORS CERTIFICATE
THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, PLATS, OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OF PARCELS ARE STATED HEREON. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

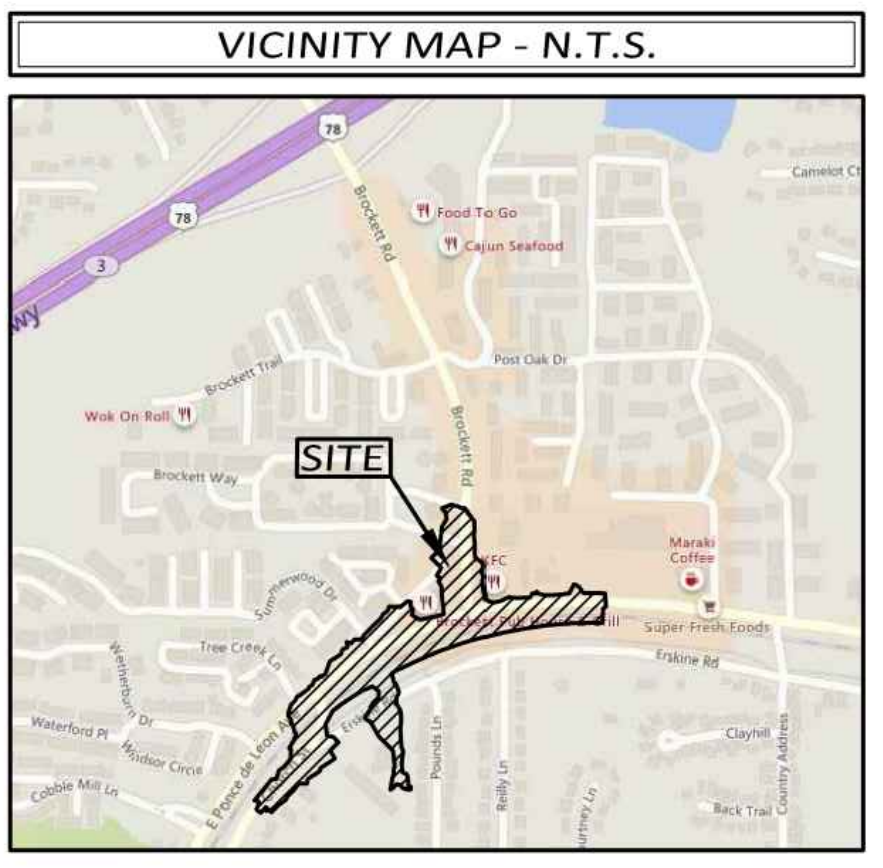
THOMAS N. TRUE DATE
GA. REG. L.S. NO. 003352

N/F BIG JOHNS CARWASH INCORPORATED AND JOHN CORN ENTERPRISES, INC. TAX ID# 18-142-01-107 DB 8398, PG 235

E. PONCE DE LEON AVENUE (R/W VARIES)

GENERAL NOTES

- THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE, NO BOUNDARY SURVEY WAS PERFORMED.
- THIS SURVEY IS RELATIVE TO THE GEORGIA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO NAD83 (2011) HORIZONTAL AND NAVD83 COORDINATES WERE DERIVED FROM NETWORK GPS MEASUREMENTS USING A TRIMBLE S6 GPS RECEIVER.
- THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FEMA FLOOD INSURANCE RATE MAPS 130800078J AND 130800081J, HAVING AN EFFECTIVE DATE OF MAY 16, 2013. FLOOD HAZARD AREA SHOWN IS AN APPROXIMATE LOCATION AND WAS GRAPHICALLY SCALED FROM SAID MAP.
- LAND SURVEYORS, AS LICENSED PROFESSIONALS BY THE STATE OF GEORGIA, ARE NOT EXPERTS IN THE IDENTIFICATION OF WETLANDS, CEMETERIES OR BURIAL GROUNDS, ITEMS OF HISTORICAL OR CULTURAL SIGNIFICANCE, THEREFORE EXCEPTION IS TAKEN TO ANY SUCH MATTERS WHICH MAY EXIST ON THIS PROPERTY.
- THE PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
- CONTOUR INTERVAL IS ONE FOOT.
- HARDWOOD TREES (12-INCH DBH AND LARGER) AND ORNAMENTAL TREES (4-INCH DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.



LEGEND

SURVEY CONTROL		TOPOGRAPHIC FEATURES	
Control Point	Borehole	Mile Post	Street Sign
Catch Basin Double-wing	Catch Basin Single-wing	Woods Line	Air Condition Unit
Curb Inlet	Drop Inlet	Bollard	Camera
Storm Drain Manhole	Grease Trap	Column	Mailbox
Sanitary Sewer Manhole	Cleanout	Downspout	Deciduous Tree/Trunk Size
Air Release Valve	Sanitary Sewer Force Main Valve	Evergreen Tree/Trunk Size	
Vent			

WATER		TELEPHONE	
Fire Hydrant	Fire Department Connection	Signal Head	Telephone Pole
Trigation Control Valve	Post Indicator Valve	Telephone Manhole	Telephone Terminal Box
Sprinkler Head	Water Meter	Traffic Signal Box	Traffic Signal Pole
Water Valve	Water Valve Marker	Underground Cable TV	Underground Telephone Box
Well	Water Manhole	Splice Box	Subscriber Loop Carrier
Backflow Preventer	Pressure Indicator Valve	Cabinet	Phone Booth
Air Release Valve	Water Vault	Cable TV Pedestal	
Stand Pipe			
ELECTRIC/POWER		GAS	
Underground Power Box	Electric Box	Cap Manhole	Gas Pressure Regulator
Transformer	Underground Electric Manhole	Gas Vault	Gas Test Station
Hand Hole	Hand Hole	Petroleum Valve	Gas Fill Cap
Guy Wire	Electric Meter	Gas Meter	Gas Valve
Power Pole/Utility Pole	Spotlight		
Street Light/Light Pole			
MISC. UTILITY			
Utility Grate	Utility Marker		

LINETYPES

EXISTING OVERHEAD		EXISTING UNDERGROUND	
Electric Line	Electric/Telecommunications	Electric	Telecommunications
Electric/Cable TV	Electric/Traffic Control	Cable TV	
Electric/Traffic Control	Electric/Telecommunications/Cable TV	Water	
Electric/Telecommunications/Cable TV	Electric/Telecommunications/Cable TV/Traffic Control	Sanitary Sewer with Flow Direction	
Electric/Cable TV/Traffic Control	Telecommunications	Gas	
Telecommunications	Telecommunications/Cable TV/Traffic Control	Petroleum	
Telecommunications/Cable TV/Traffic Control	Telecommunications/Cable TV/Traffic Control	Traffic Control	
Telecommunications/Cable TV	Cable TV/Traffic Control	Storm Sewer Pipe	
Cable TV/Traffic Control			
PROPERTY		FENCE LINES	
City Limits Line	Limited Access	Barb Wire Fence	Chain Link Fence
Center of Creek	Property Line	Wood Fence	Woven Wire Fence

ABBREVIATIONS

BLA	Begin Limited Access	IPF	Iron Pin Found
B/W	Bottom of wall	IPS	Iron Pin Set
C&G	Curb and Gutter	L/W	Low Wire Elevation
CE	Construction Easement	M/W	Monitoring Well
CMP	Corrugated Metal Pipe	N/F	Now or Formerly
CO	Clean Out	OTF	Open Top Pipe
CPP	Corrugated Plastic Pipe	PB	Plat Book
DB	Deed Book	PG	Page
DIP	Ductile Iron Pipe	POB	Point of Beginning
DE	Drainage Easement	POC	Point of Commencement
ELA	End Limited Access	PVC	Polyvinyl Chloride Pipe
EOL	End of Information	RCP	Reinforced Concrete Pipe
FES	Flared End Section	SSE	Sanitary Sewer Easement
FM	Foreman	T/W	Top of Wall
GI	Grate Inlet	VCP	Vitrified Clay Pipe
HW	Headwall	VI	Yard Inlet
I.E.	Invert Elevation		

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TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY

DRAWN BY **LGL**
CHECKED BY **JDG**
DATE: **12/03/2018**
SCALE: **1"= 20'**
JOB No. **18-TP-032**
SHEET NUMBER **16**
OF 18 SHEETS

18-TP-032 DATABASE.dwg

THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT

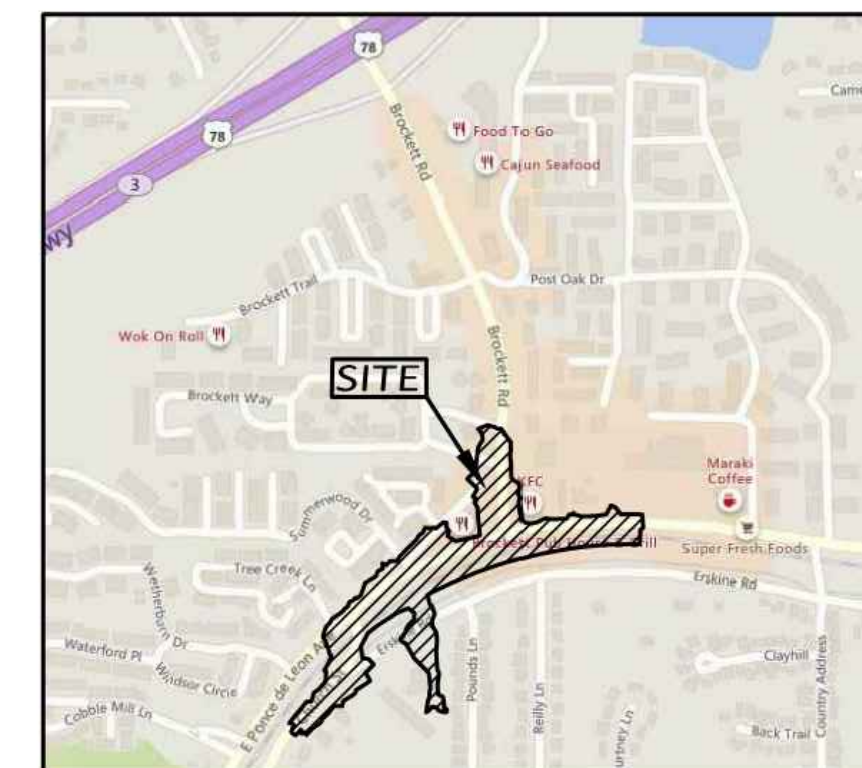
UTILITY NOTE

THE SANITARY SEWER AND STORM DRAIN PIPE LOCATIONS, SIZES, AND MATERIALS SHOWN WERE OBTAINED BY STANDARD SURVEYING PROCEDURES FROM OUTSIDE OF THE MANHOLES, OR FROM RECORD INFORMATION PROVIDED, AND MAY BE INACCURATE. NO CONFINED SPACE ENTRY, TELEVISION OF LINES, OR ANY OTHER INVESTIGATION METHODS WERE USED. MORE DETAILED INVESTIGATION MAY BE NECESSARY FOR DESIGN PURPOSES. OTHER UNDERGROUND UTILITY LOCATIONS, SIZES, AND MATERIALS SHOWN ARE BASED ON VISIBLE APPURTENANCES AND FLAGS/PAINT MARKINGS PROVIDED BY THE GEORGIA ONE CALL SYSTEM.

GENERAL NOTES

1. THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 32,127 FEET AND AN ANGULAR ERROR OF 3.1 SECONDS PER ANGLE AND WAS ADJUSTED USING LEAST SQUARES. A TRIMBLE S6 WAS USED TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS. WORK WAS COLLECTED OCTOBER 10, 2018 THROUGH NOVEMBER 30, 2018. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE, NO BOUNDARY SURVEY WAS PERFORMED.
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3. THESE PROPERTIES ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FEMA FLOOD INSURANCE RATE MAPS 13089C0078J AND 13089C0086J, HAVING AN EFFECTIVE DATE OF MAY 16, 2013. FLOOD HAZARD AREA SHOWN IS AN APPROXIMATE LOCATION AND WAS GRAPHICALLY SCALED FROM SAID MAP.
4. LAND SURVEYORS, AS LICENSED PROFESSIONALS BY THE STATE OF GEORGIA, ARE NOT EXPERTS IN THE IDENTIFICATION OF WETLANDS, CEMETERIES OR BURIAL GROUNDS, ITEMS OF HISTORICAL OR CULTURAL SIGNIFICANCE, THEREFORE EXCEPTION IS TAKEN TO ANY SUCH MATTERS WHICH MAY EXIST ON THIS PROPERTY.
5. THE PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR, THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
6. CONTOUR INTERVAL IS ONE FOOT.
7. HARDWOOD TREES (12-INCH DBH AND LARGER) AND ORNAMENTAL TREES (4-INCH DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.

VICINITY MAP - N.T.S.



LEGEND

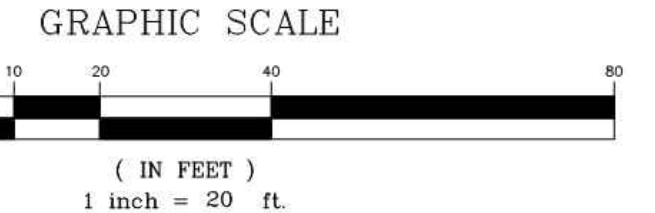
SURVEY CONTROL		TOPOGRAPHIC FEATURES	
BM	Benchmark	RMW	Right-of-Way Monument Found
CP	Control Point	BH	Borehole
DB	Drainage	MP	Mile Post
CB	Catch Basin Double-wing	SS	Street Sign
CS	Catch Basin Single-wing	WL	Woods Line
CI	Curb Inlet	ACU	Air Condition Unit
DI	Drop Inlet	BO	Bollard
DMH	Storm Drain Manhole	CO	Column
GT	Grease Trap	CS	Column
SSM	Sanitary Sewer Manhole	DS	Downspout
CN	Cleanout	MB	Mailbox
AV	Air Release Valve	DT	Deciduous Tree/Trunk Size
SF	Sanitary Sewer Force Main Valve	ET	Evergreen Tree/Trunk Size
V	Vent		
WATER		TELEPHONE	
FH	Fire Hydrant	SH	Signal Head
FDC	Fire Department Connection	TP	Telephone Pole
ICV	Irrigation Control Valve	TM	Telephone Manhole
PV	Post Indicator Valve	TTB	Telephone Terminal Box
SH	Sprinkler Head	TST	Traffic Signal Box
WM	Water Meter	TSP	Traffic Signal Pole
WV	Water Valve	UCV	Underground Cable TV
WVM	Water Valve Marker	UTB	Underground Telephone Box
W	Well	SB	Splice Box
WMH	Water Manhole	SLLC	Subscriber Loop Carrier
BPV	Backflow Preventer	C	Cabinet
PV	Pressure Indicator Valve	PB	Phone Booth
AV	Air Release Valve	CTP	Cable TV Pedestal
WV	Water Vault		
SP	Stand Pipe	GAS	
		GM	Gas Manhole
		GRP	Gas Pressure Regulator
		GV	Gas Vault
		GTS	Gas Test Station
		PV	Petroleum Valve
		GFC	Gas Fill Cap
		GM	Gas Meter
		GV	Gas Valve
ELECTRIC/POWER		MISC. UTILITY	
UPB	Underground Power Box	UM	Utility Marker
EB	Electric Box		
TR	Transformer		
UEM	Underground Electric Manhole		
HH	Hand Hole		
GW	Guy Wire		
EM	Electric Meter		
PP	Power Pole/Utility Pole		
SM	Spotlight		
SLP	Street Light/Light Pole		

SURVEYORS CERTIFICATE

THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, PLATS, OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OR PARCELS ARE STATED HEREON. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

THOMAS N. TRUE
GA. REG. L.S. NO. 003352

NOTE: THESE SURVEY PLANS HAVE BEEN SCALED TO FIT PAGE SIZE. DO NOT SCALE FROM DRAWINGS. CONTACT POND + CO. FOR SCALED DRAWINGS.



LINETYPES

EXISTING OVERHEAD		EXISTING UNDERGROUND	
---E---	Electric Line	---E---	Electric
---E-T---	Electric/Telecommunications	---T---	Telecommunications
---E-IV---	Electric/Cable TV	---TV---	Cable TV
---E-ITC---	Electric/Traffic Control	---W---	Water
---E-T-IV---	Electric/Telecommunications/Cable TV	---SS---	Sanitary Sewer with Flow Direction
---E-T-IV-IC---	Electric/Telecommunications/Cable TV/Traffic Control	---G---	Gas
---E-IV-IC---	Electric/Cable TV/Traffic Control	---P---	Petroleum
---T---	Telecommunications	---TC---	Traffic Control
---T-IC---	Telecommunications/Traffic Control	---SSP---	Storm Sewer Pipe
---T-IV-IC---	Telecommunications/Cable TV/Traffic Control		
---TV---	Telecommunications/Cable TV		
---IV---	Cable TV		
---IV-TC---	Cable TV/Traffic Control		
---TC---	Traffic Control		
PROPERTY		FENCE LINES	
---	City Limits Line	---	Barb Wire Fence
---	Limited Access	---	Chain Link Fence
---	Center of Creek	---	Wood Fence
---	Property Line	---	Woven Wire Fence

ABBREVIATIONS	
BLA	Begin Limited Access
B/W	Bottom of wall
C&G	Curb and Gutter
CE	Construction Easement
CMP	Corrugated Metal Pipe
CO	Clean Out
CPP	Corrugated Plastic Pipe
DB	Dead End
DIP	Ductile Iron Pipe
DE	Drainage Easement
ELA	End Limited Access
EOL	End of Information
FES	Flared End Section
FM	Foreman
GI	Gate Inlet
HW	Headwall
I/E	Invert Elevation
IPF	Iron Pin Found
IPS	Iron Pin Set
L/W	Low Wire Elevation
ME	Monitoring Well
N/F	Now or Formerly
OTP	Open Top Pipe
PB	Plot Book
PG	Pipe
POB	Point of Beginning
POC	Point of Commencement
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe
SSE	Sanitary Sewer Easement
T/W	Top of Wall
VCP	Vitrified Clay Pipe
YI	Yard Inlet

TOPOGRAPHIC SURVEY FOR:
CITY OF CLARKSTON, GEORGIA
LAND LOTS 96, 97, 119, 120, 142 & 143
18TH LAND DISTRICT
DEKALB COUNTY, GEORGIA

REVISIONS	BY

DRAWN BY LGL
CHECKED BY JDG
DATE: 12/03/2018
SCALE: 1" = 20'
JOB No. 18-TP-032
SHEET NUMBER
18
OF 18 SHEETS

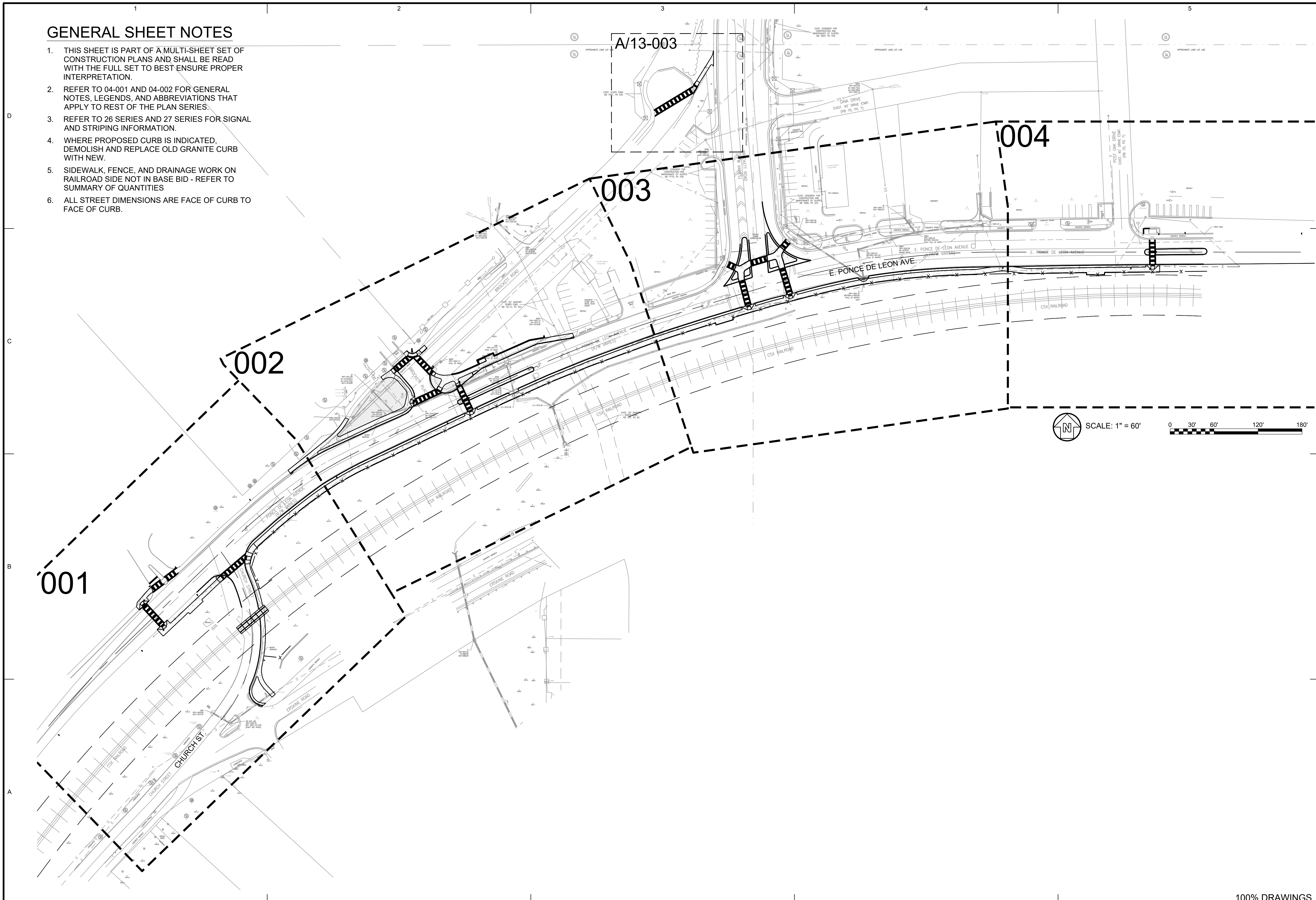


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 2/17/2019 Project: 18-TP-032 Database.dwg
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GENERAL SHEET NOTES

1. THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
2. REFER TO 04-001 AND 04-002 FOR GENERAL NOTES, LEGENDS, AND ABBREVIATIONS THAT APPLY TO REST OF THE PLAN SERIES.
3. REFER TO 26 SERIES AND 27 SERIES FOR SIGNAL AND STRIPING INFORMATION.
4. WHERE PROPOSED CURB IS INDICATED, DEMOLISH AND REPLACE OLD GRANITE CURB WITH NEW.
5. SIDEWALK, FENCE, AND DRAINAGE WORK ON RAILROAD SIDE NOT IN BASE BID - REFER TO SUMMARY OF QUANTITIES
6. ALL STREET DIMENSIONS ARE FACE OF CURB TO FACE OF CURB.



MARK	DESCRIPTION	DATE	APPR.
A	100% SUBMITTAL	1/31/2019	

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:
DWN BY: SPT	CHK BY: TN	FILE NAME:	FILE NUMBER:
SUBMITTED BY:		13-001_LA.dwg	
		SIZE:	PLOT SCALE:
		22" x 34"	1" = 60'
			PLOT DATE: 02/28/2019

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

POND
 3000 Parkway Lane GA
 30092 SUITE 500
 Phone 678.338.7740
 POND PROJECT No.1190154 Fax: 678.338.7744

PONCE/CHURCH SIDEWALKS

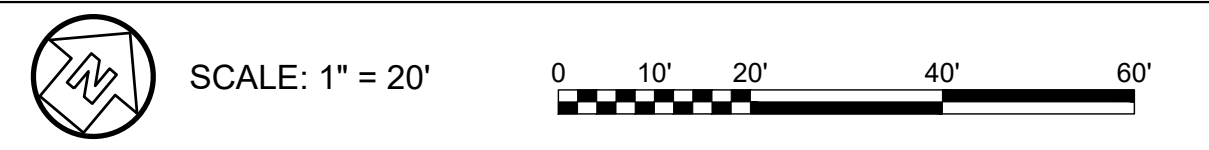
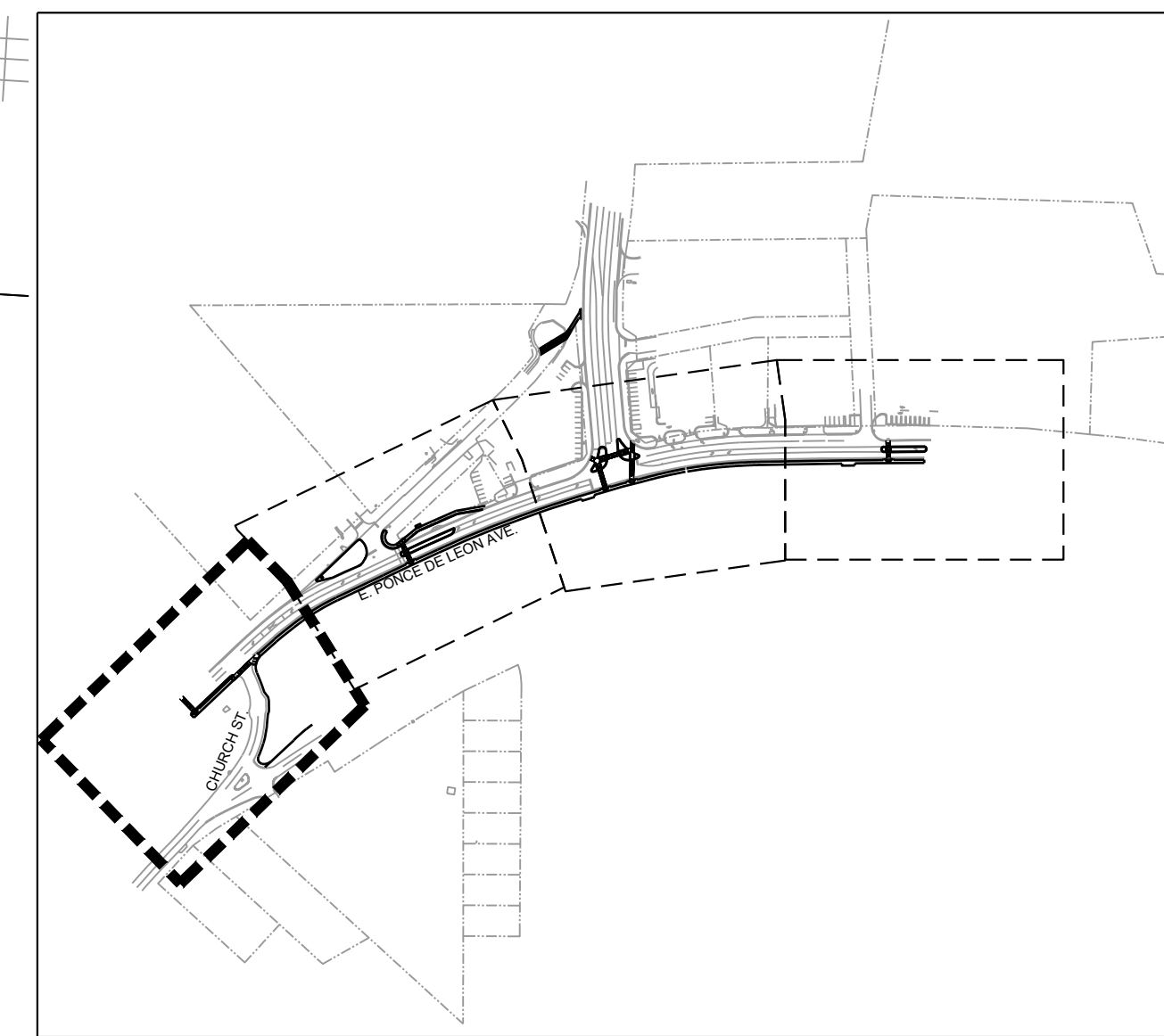
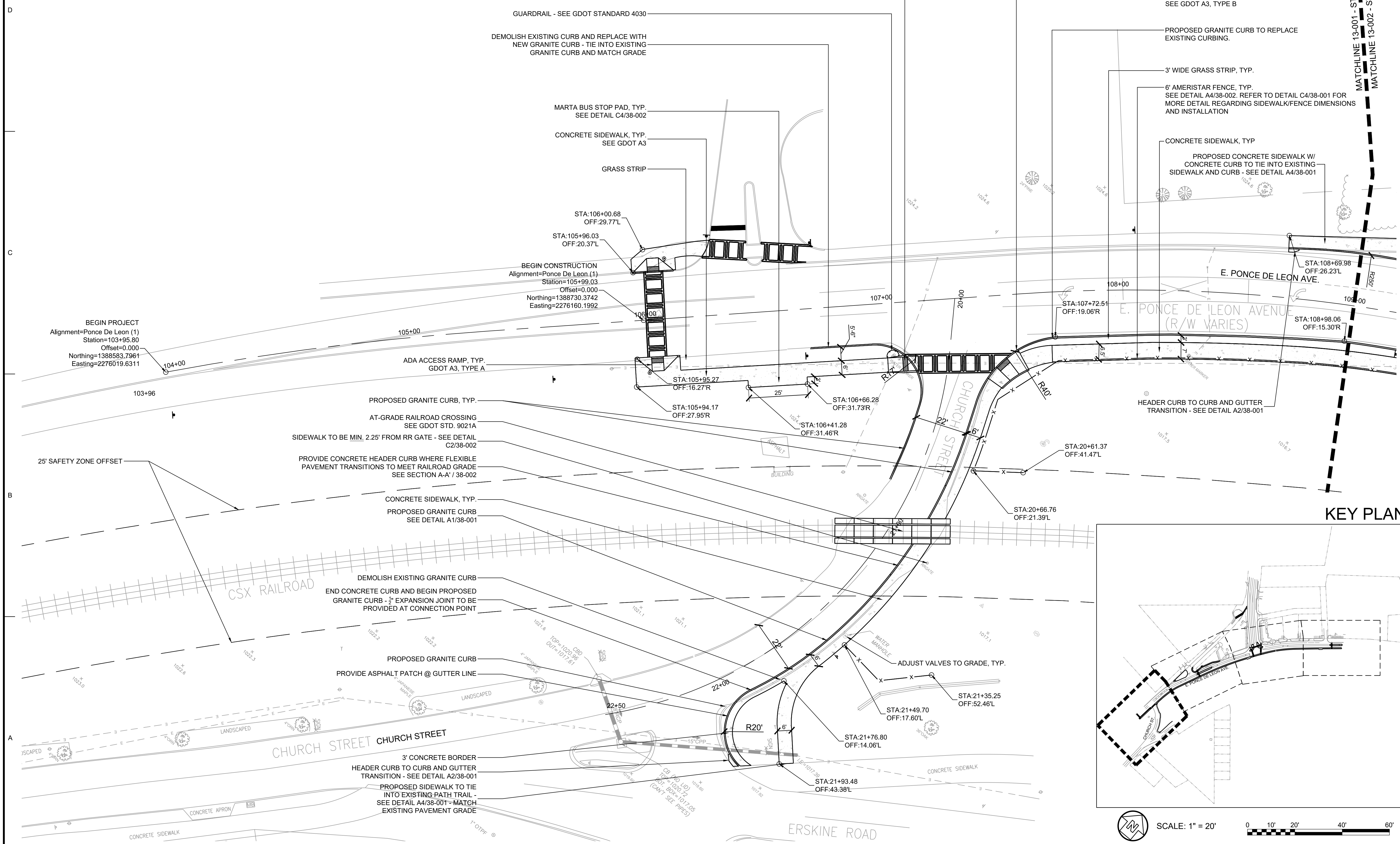
MAINLINE PLAN - OVERALL

SHEET IDENTIFICATION NUMBER
13-000

100% DRAWINGS

GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES



DATE	DESCRIPTION	MARK	APPR.
1/31/2019	100% SUBMITTAL		

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DWN BY: SPT	CHK BY: JIN	FILE NAME: 13-001 LA.dwg	FILE NUMBER: 02/28/2019
SUBMITTED BY:	SCALE: 1" = 20'	SIZE: 22" x 34"	PLOT SCALE: 1" = 11'

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

POND

3000 Parkway Lane
30058 SUITE 500
Phone 678.387.7740
Fax 678.387.7744

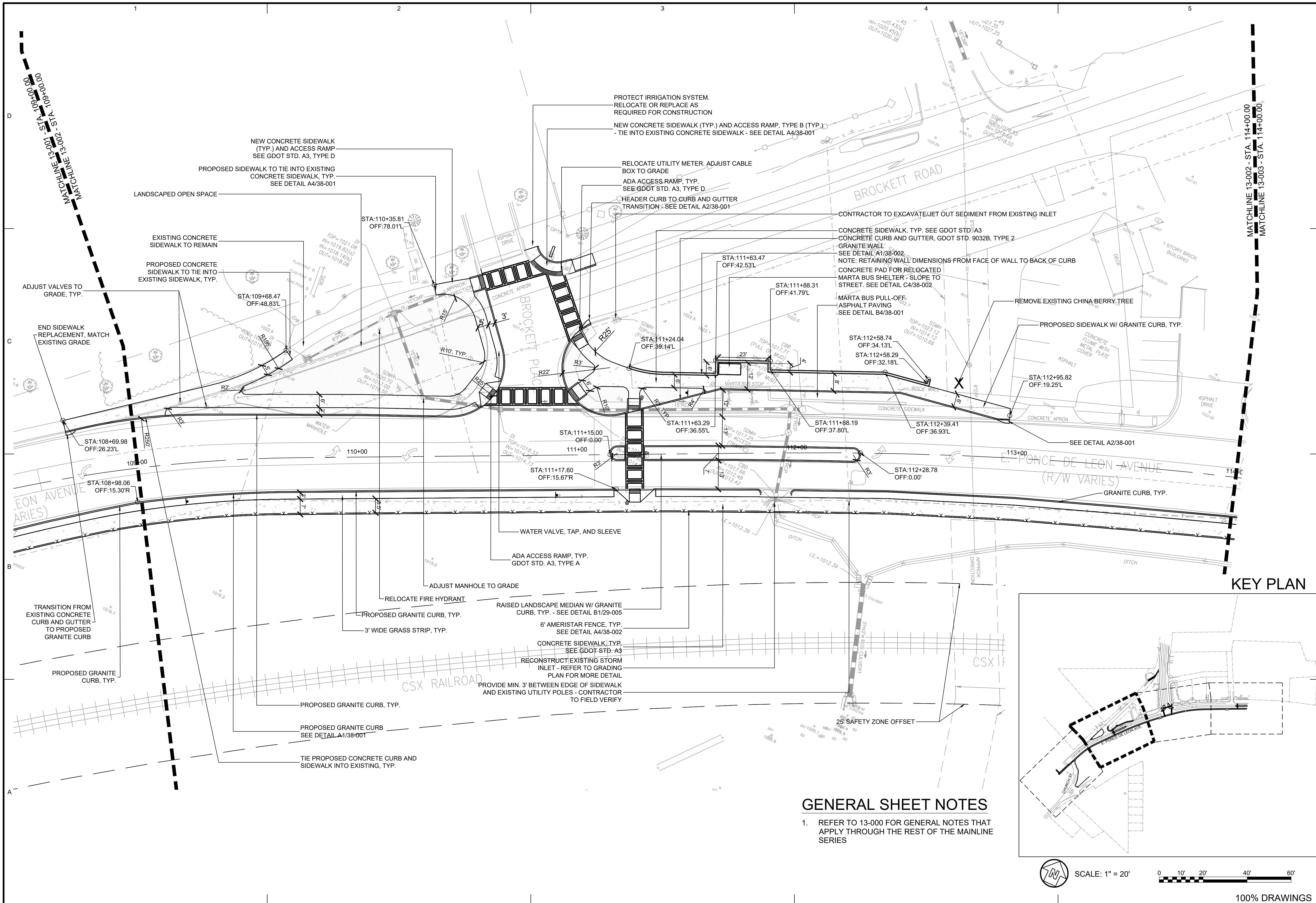
PONCE/CHURCH SIDEWALKS

MAINLINE PLAN

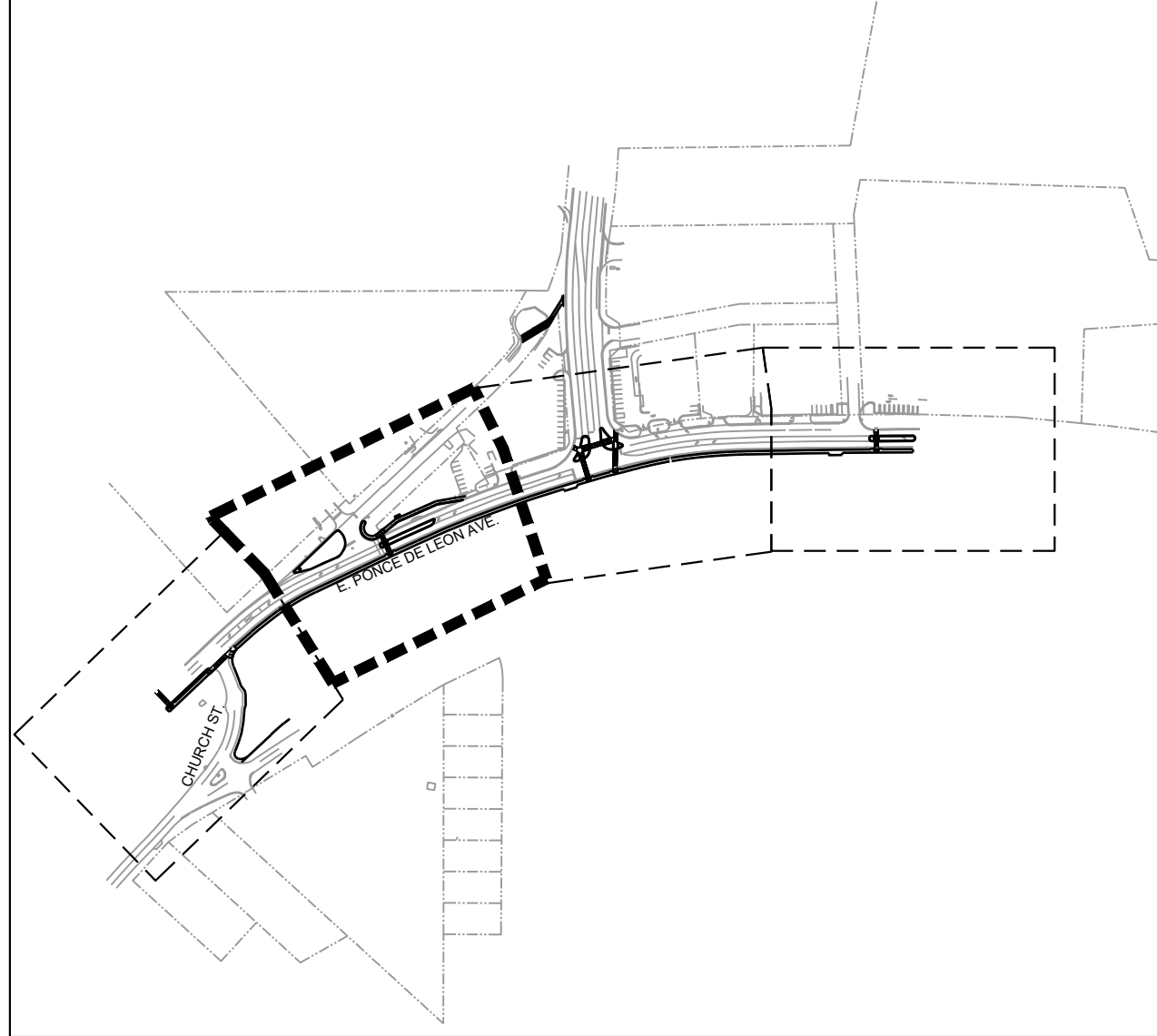
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100% DRAWINGS

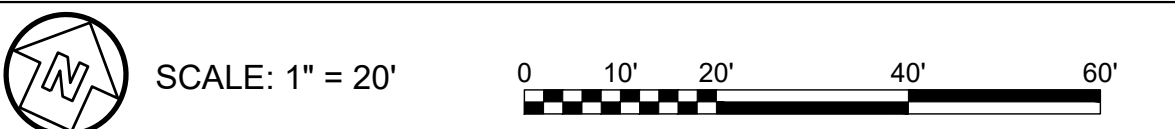


KEY PLAN



GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES



100% DRAWINGS

CITY OF CLARKSTON
where possibilities grow

02/28/2019 SEAL

101/2019	DATE	101/2019	DATE
100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL
MARK	MARK	MARK	MARK
DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION

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

POND

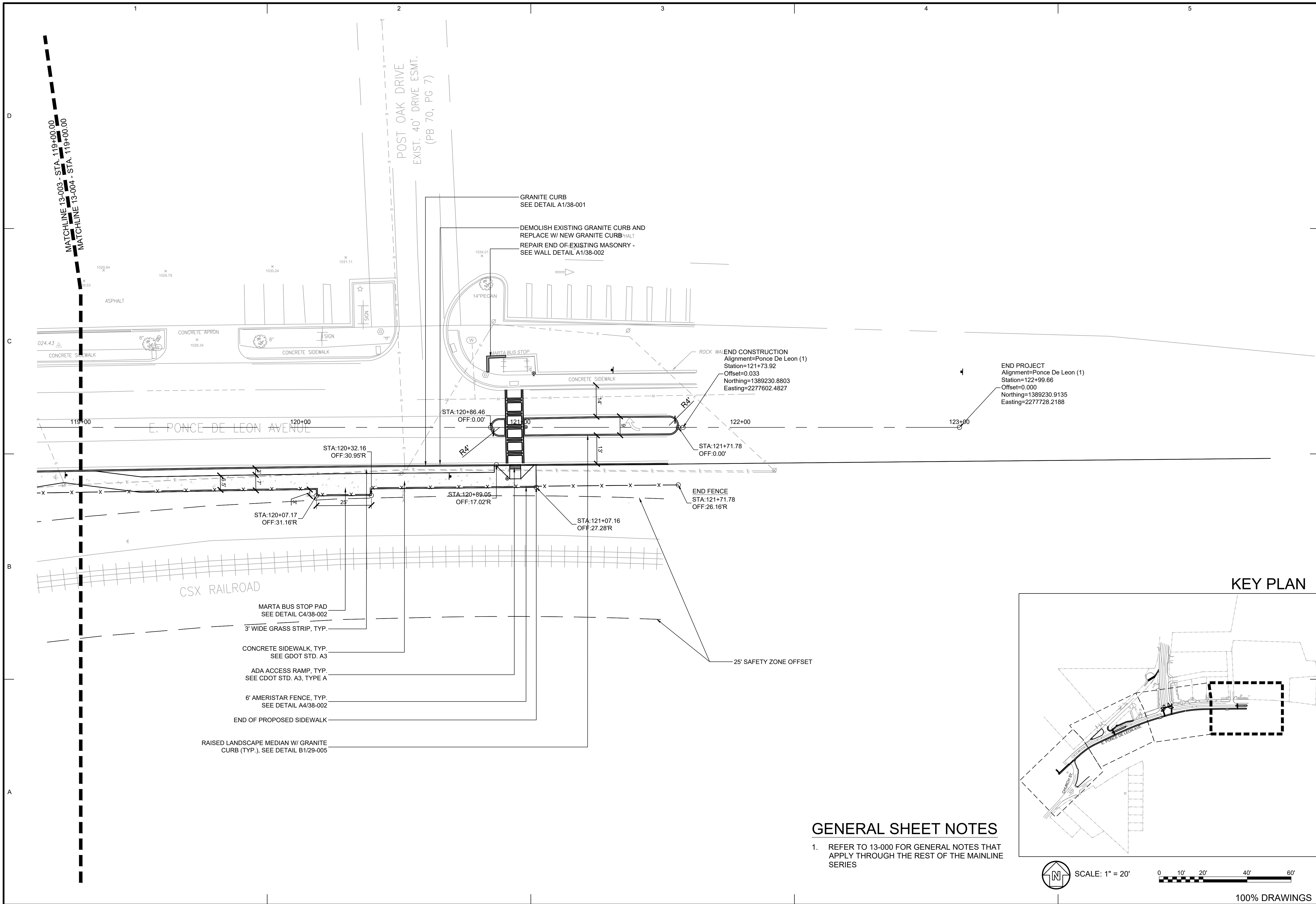
3000 Parkway Lane
Clarkston, GA 30006
Phone 678.398.7740
Fax 678.398.7744

PONCE/CHURCH SIDEWALKS

MAINLINE PLAN

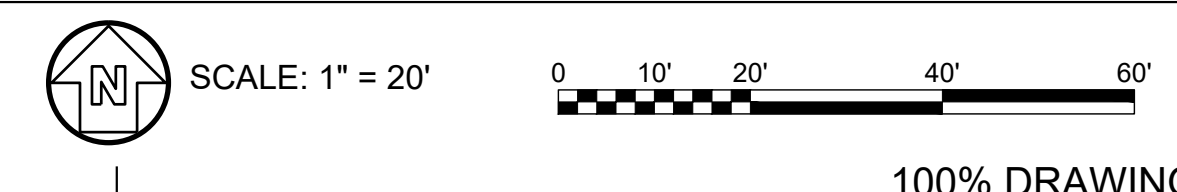
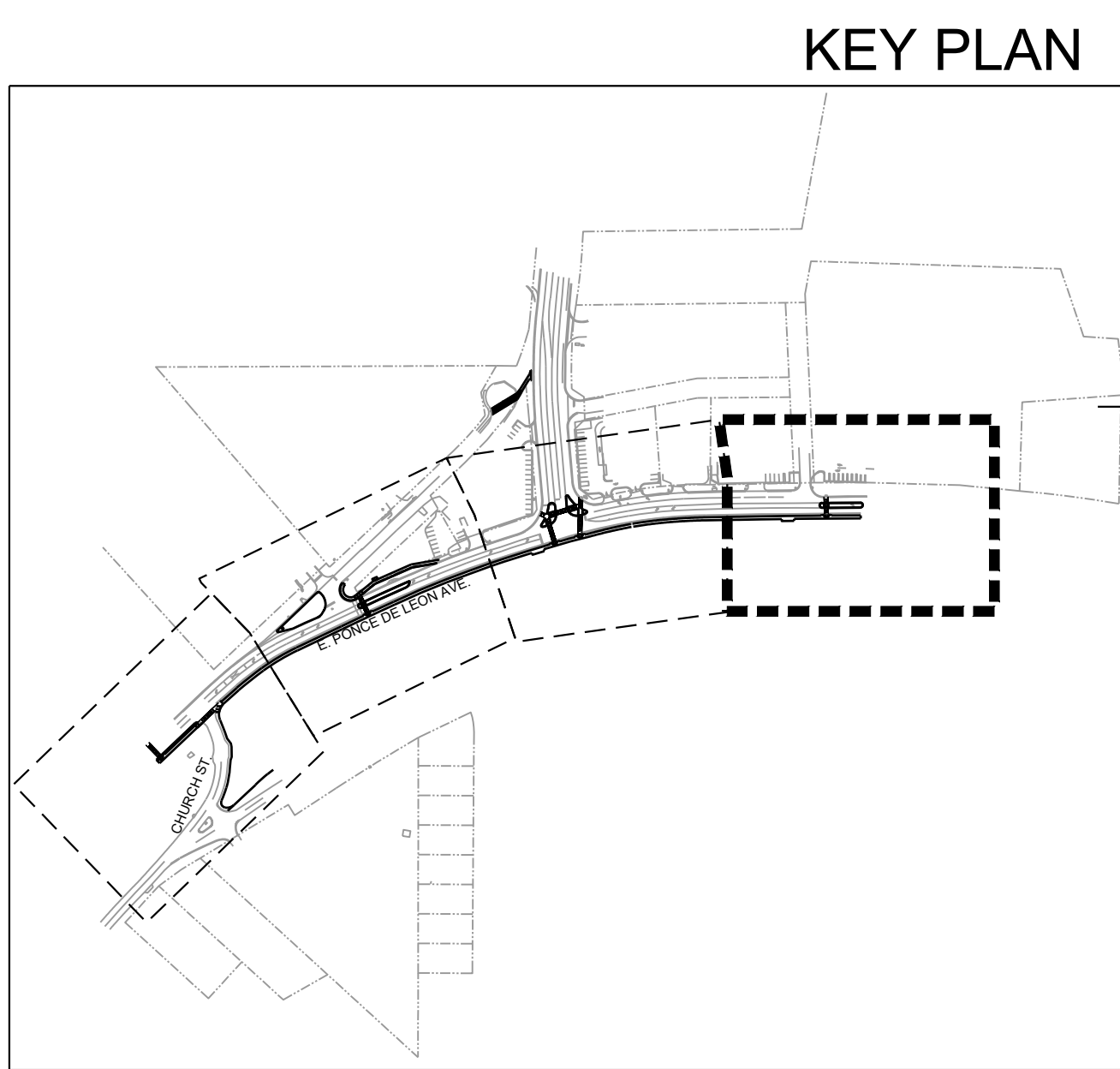
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13-002


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- MARTA BUS STOP PAD
SEE DETAIL C4/38-002
- 3" WIDE GRASS STRIP, TYP.
- CONCRETE SIDEWALK, TYP.
SEE GDOT STD. A3
- ADA ACCESS RAMP, TYP.
SEE CDOT STD. A3, TYPE A
- 6" AMERISTAR FENCE, TYP.
SEE DETAIL A4/38-002
- END OF PROPOSED SIDEWALK
- RAISED LANDSCAPE MEDIAN W/ GRANITE
CURB (TYP.), SEE DETAIL B1/29-005

GENERAL SHEET NOTES
 1. REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES





where possibilities grow



02/28/2019 SEAL

DATE	DESCRIPTION	MARK	DATE	APPR.
1/31/2019	100% SUBMITTAL			

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/28/2019
DWN BY: SPT	CD BY: TN			FILE NAME: 13-001_LA.dwg	PLOT SCALE: 22" x 34" 1:1
SUBMITTED BY:				SIZE:	

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

POND
 3000 Parkway Lane GA
 30052 SUITE 500
 Phone 678.338.7740
 POND PROJECT No.1190154 Fax 678.338.7744

PONCE/CHURCH SIDEWALKS

MAINLINE PLAN

SHEET IDENTIFICATION NUMBER
13-004

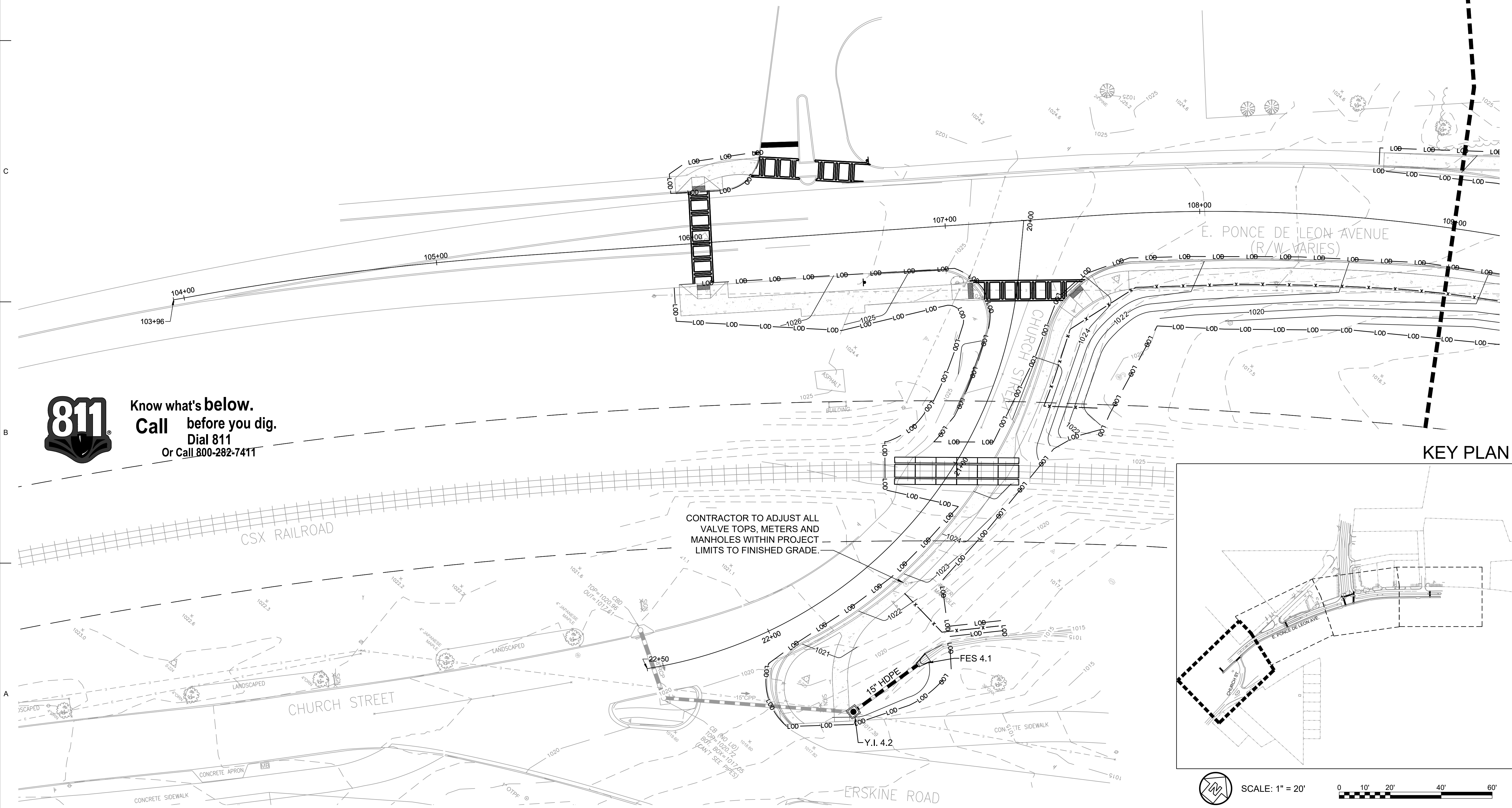
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GENERAL SHEET NOTES

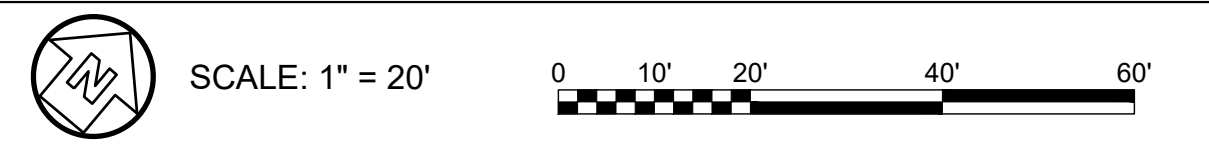
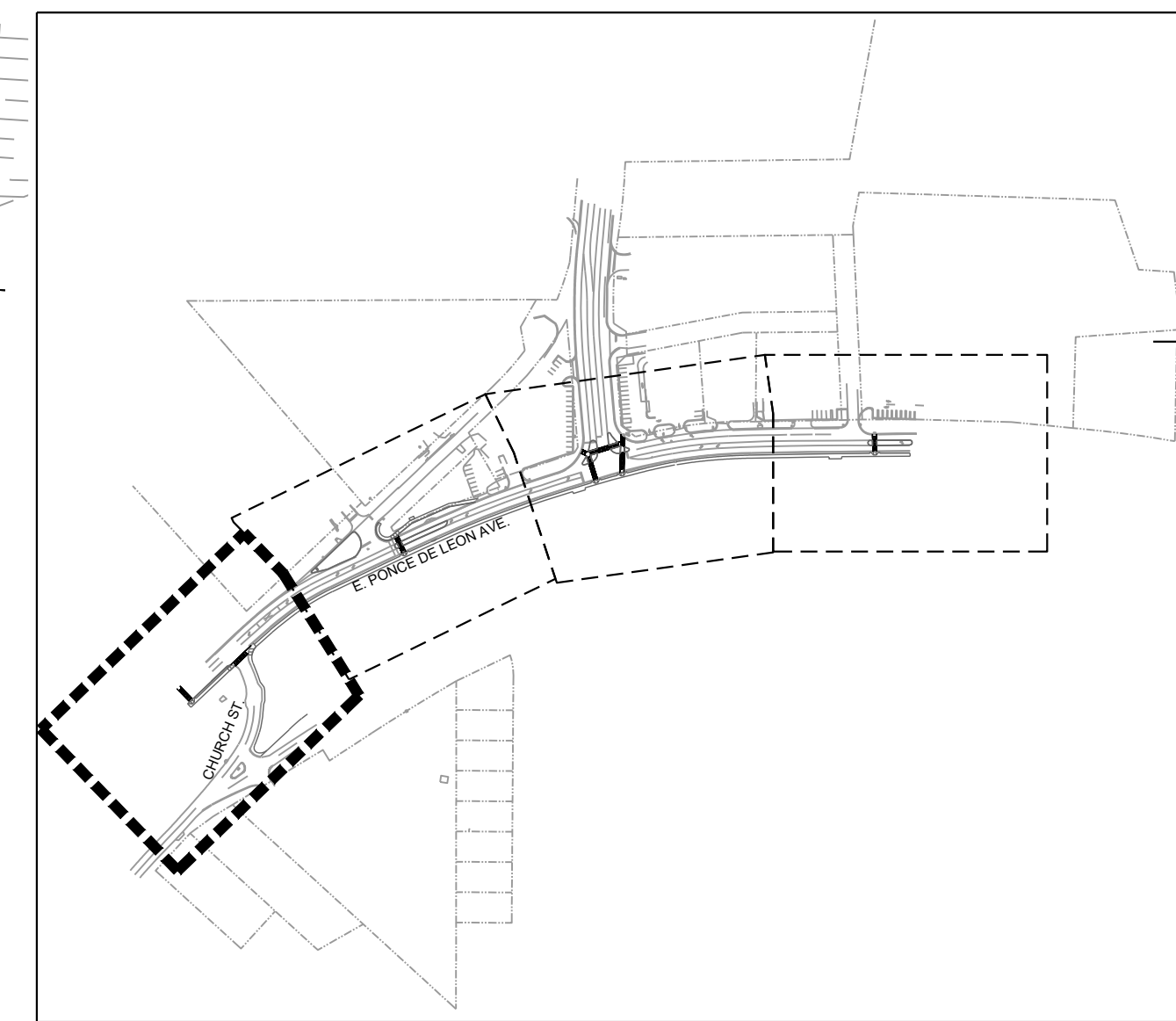
1. THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
2. CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES TO FINISHED GRADE WITHIN PROJECT LIMITS.
3. REFER TO 04-001 FOR GENERAL NOTES THAT APPLY TO REST OF THE PLAN SERIES.



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



CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES WITHIN PROJECT LIMITS TO FINISHED GRADE.



101/2019	100% SUBMITTAL	DATE: 2/22/2019	SOLICITATION NO.: 22222019	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/28/2019	APPR.
A	100% SUBMITTAL	DESIGNED BY: RBJ	DATE: 2/22/2019	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/28/2019	APPR.
		DWN BY: SPT	DATE: 2/22/2019	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/28/2019	APPR.
		SUBMITTED BY: CS-101	DATE: 2/22/2019	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/28/2019	APPR.
		FILE NAME: CS-101.dwg	DATE: 2/22/2019	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/28/2019	APPR.
		SIZE: 22" x 34"	DATE: 2/22/2019	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/28/2019	APPR.
		PLOT SCALE: 1" = 20'	DATE: 2/22/2019	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/28/2019	APPR.

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

POND
 POND PROJECT No. 1190154

3000 Parkway Lane
 Clarkston, GA 30006
 Phone 678.389.7740
 Fax 678.389.7744

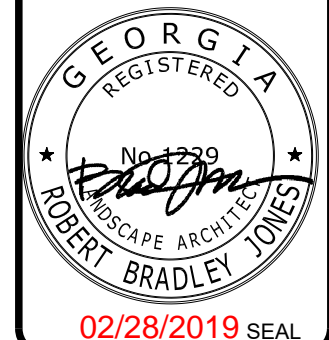
PONCE/CHURCH SIDEWALKS

GRADING PLAN

SHEET IDENTIFICATION NUMBER
18-001

100% DRAWINGS

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NO.	DATE	DESCRIPTION	APPR.
A	10/12/2019	100% SUBMITTAL	

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:
DWN BY: SPT	CD BY: TN	CONTRACT NO.:
SUBMITTED BY:	FILE NAME:	FILE NUMBER:
CS-101.dwg	CG-101.dwg	CG-101.dwg
SIZE: 22" x 34"	PLOT SCALE: 1" = 11'	PLOT DATE: 02/26/2019

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

POND
POND PROJECT No. 1190154

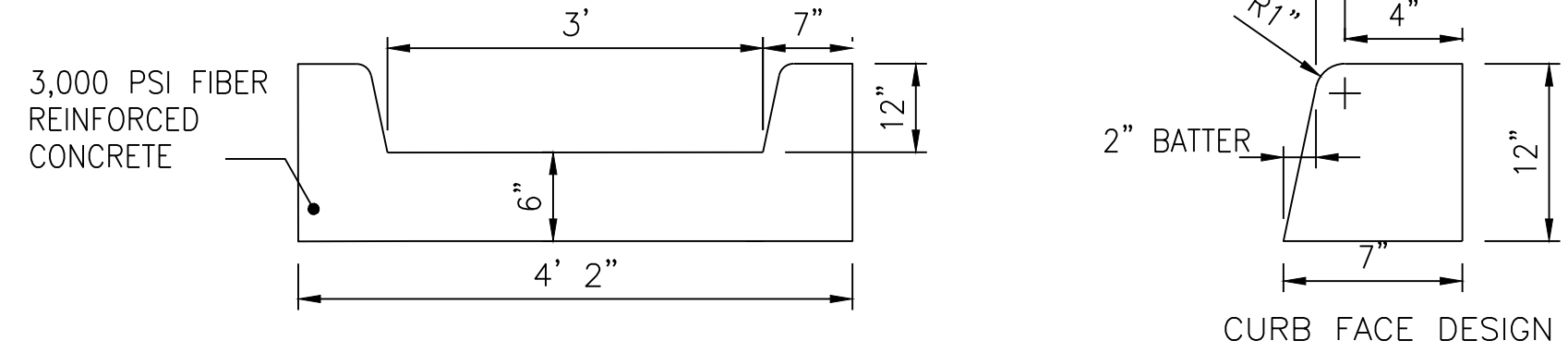
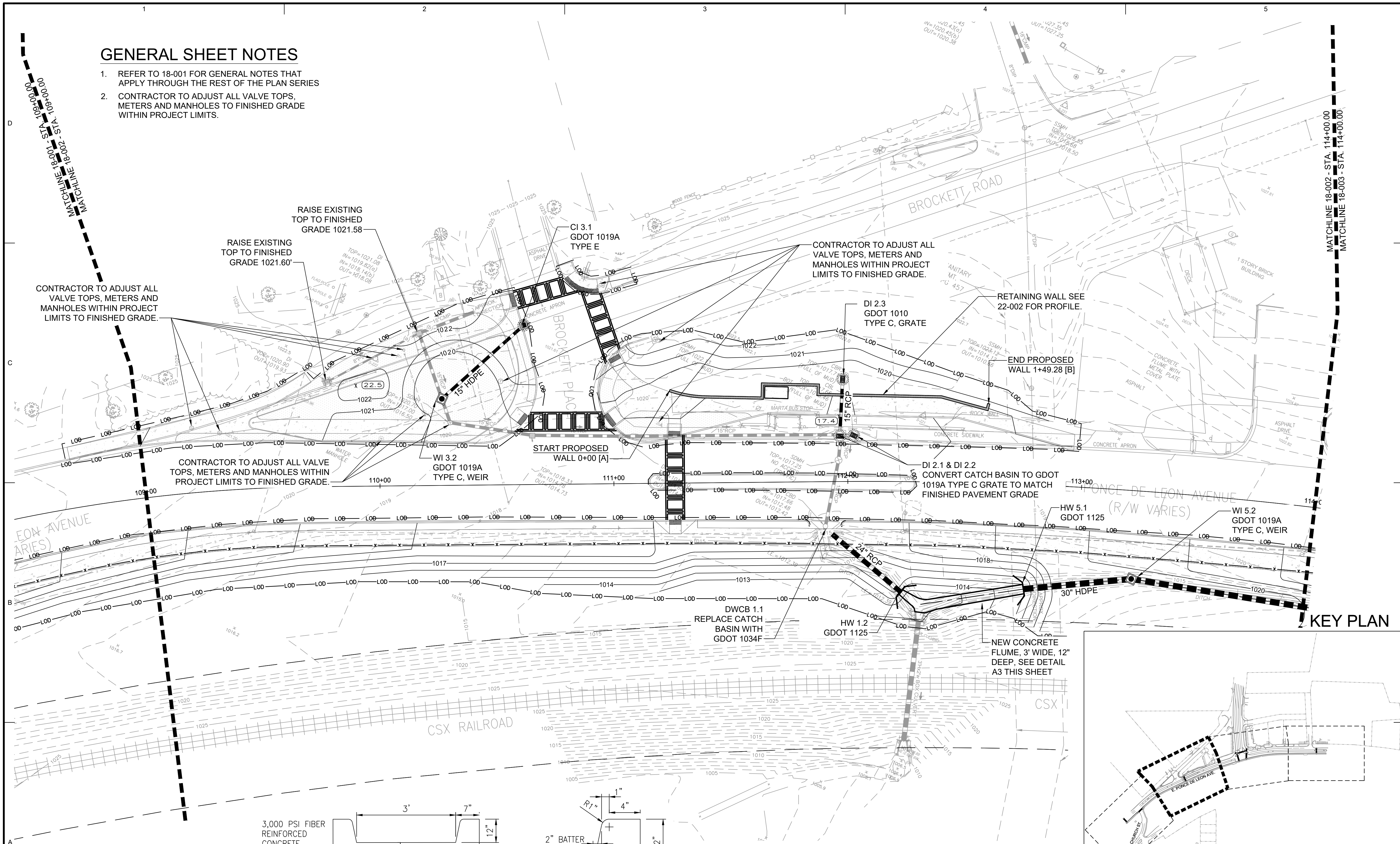
3000 Parkway Lane, GA
30096, SUITE 500
Phone 678.387.7740
Fax 678.387.7744

PONCE/CHURCH SIDEWALKS
GRADING PLAN

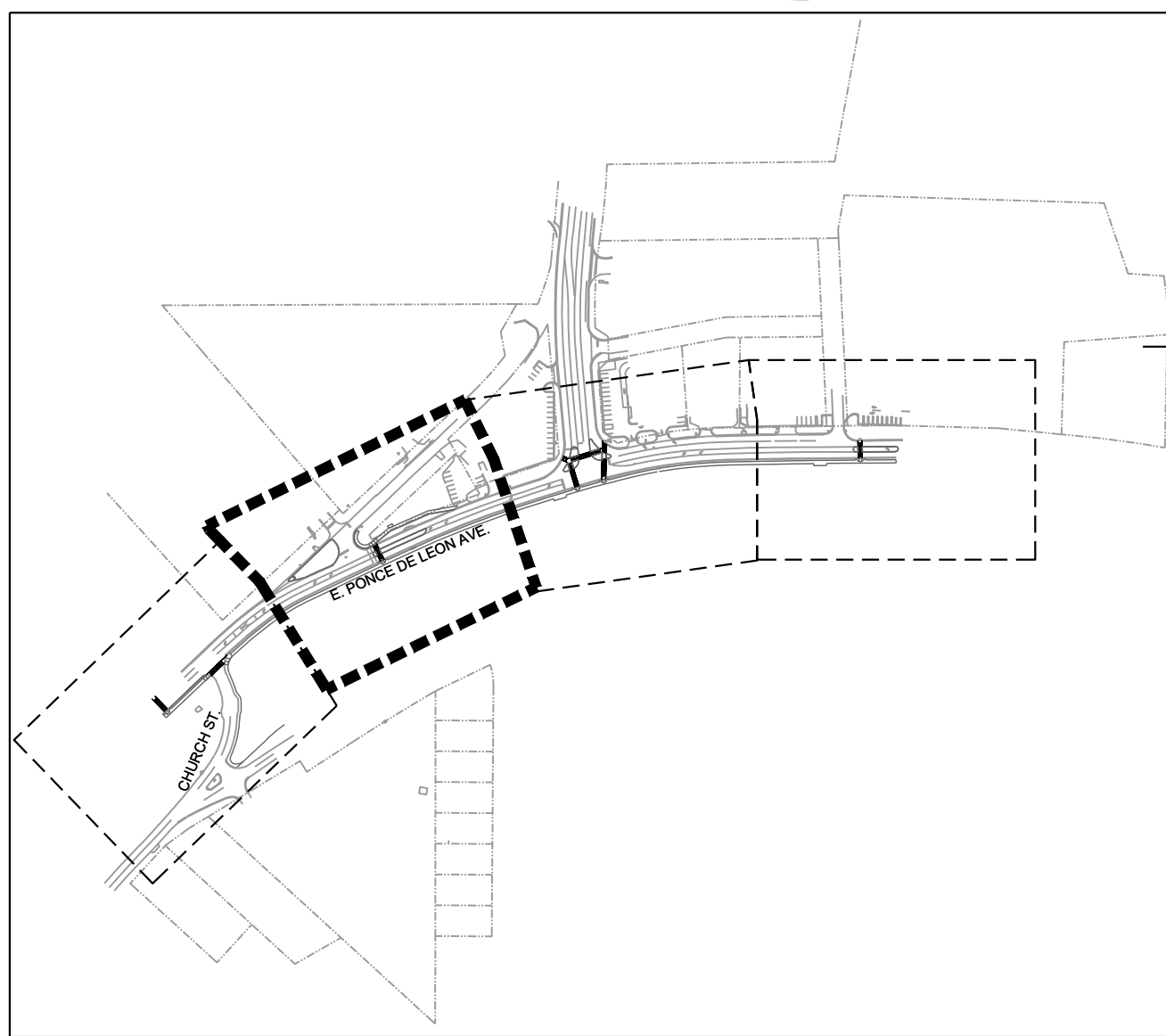
SHEET IDENTIFICATION NUMBER
18-002

GENERAL SHEET NOTES

- REFER TO 18-001 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE PLAN SERIES
- CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES TO FINISHED GRADE WITHIN PROJECT LIMITS.



A2 CONCRETE FLUME DETAIL
NO SCALE

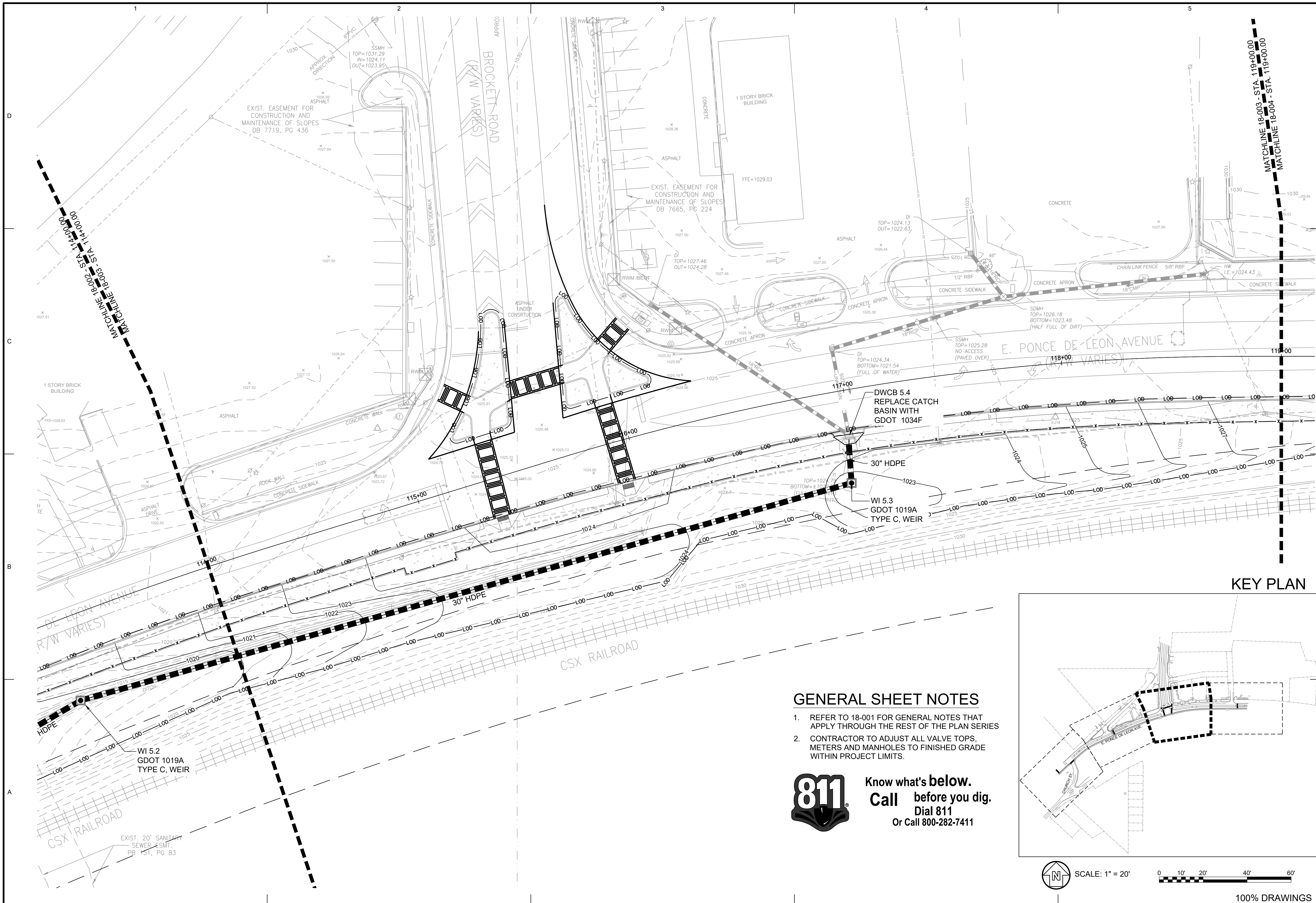


SCALE: 1" = 20'
0 10' 20' 40' 60'

100% DRAWINGS

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

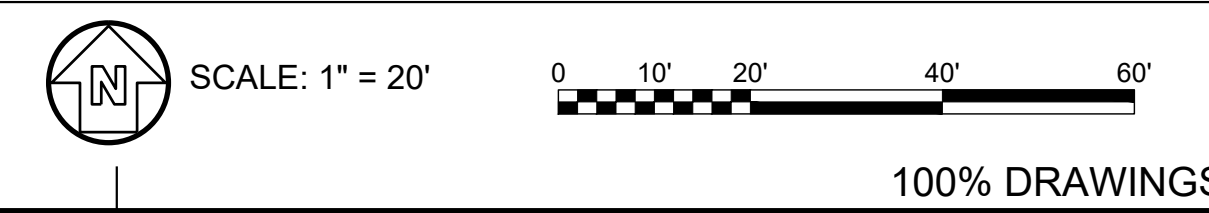
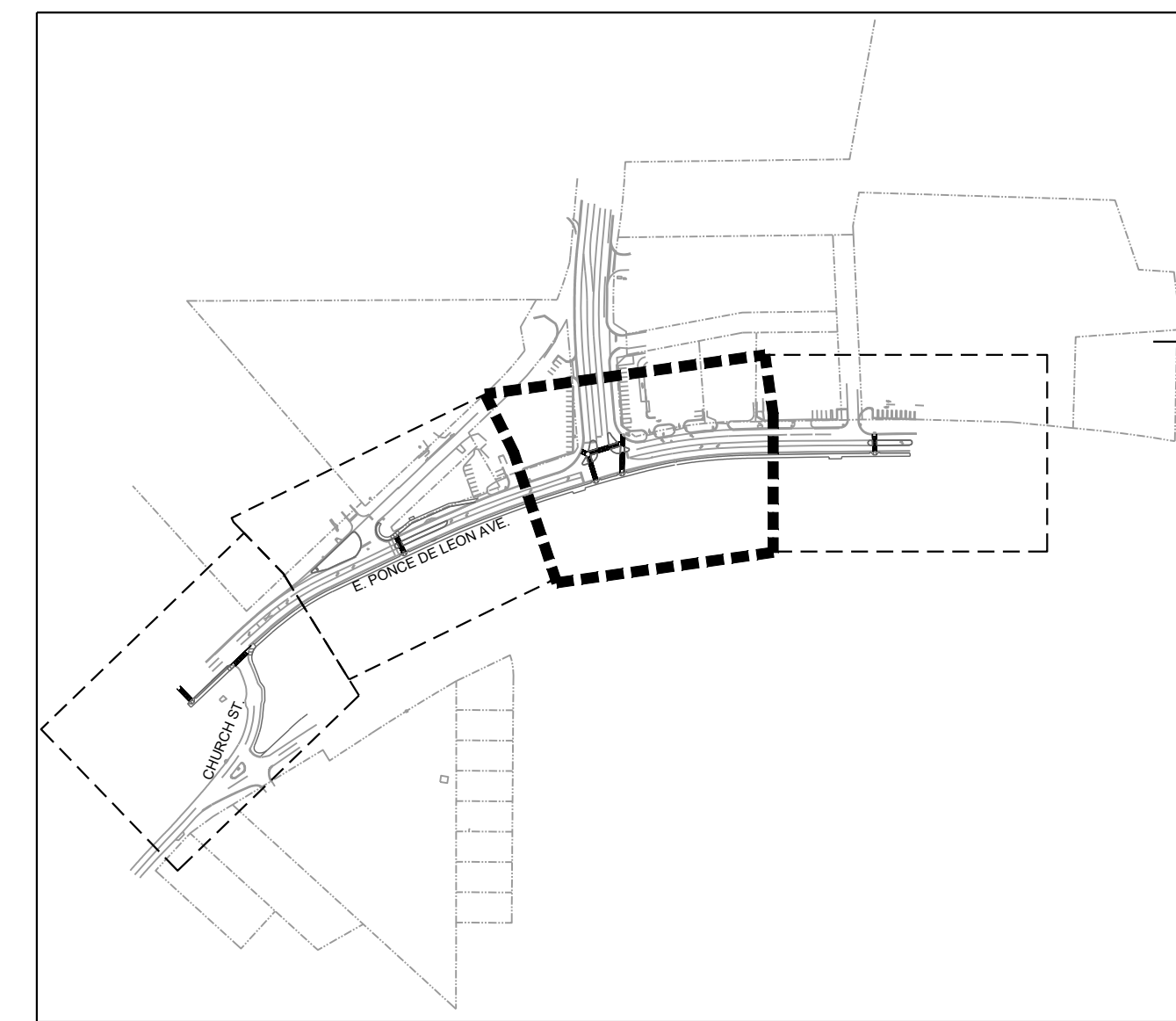
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GENERAL SHEET NOTES


1. REFER TO 18-001 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE PLAN SERIES
2. CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES TO FINISHED GRADE WITHIN PROJECT LIMITS.

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



101/2019	DATE	101/2019	DATE	101/2019	DATE	101/2019	DATE	101/2019	DATE
A	100% SUBMITTAL	MARK	DESCRIPTION	DATE	APPR.	DATE	APPR.	DATE	APPR.

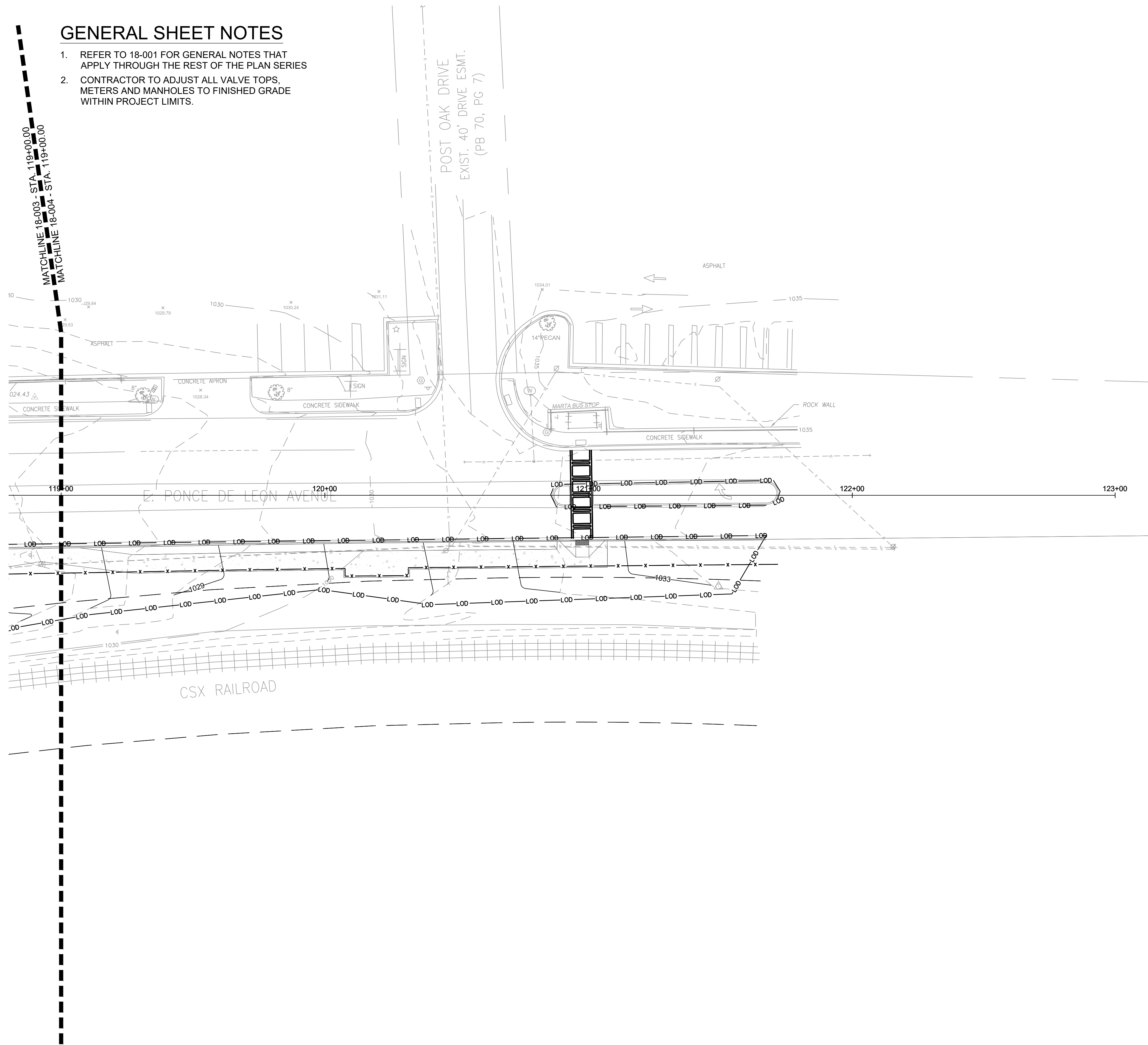
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DWN BY: SPT	CHK BY: TN	SUBMITTED BY: CS-101 dwp	FILE NAME: CG-101.dwg	PLOT DATE: 02/28/2019
CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK		 POND PROJECT No. 1190154 3000 Parkway Lane Clarkston, GA 30026 Phone 678.398.7740 Fax 678.398.7744		

PONCE/CHURCH SIDEWALKS GRADING PLAN	SHEET IDENTIFICATION NUMBER 18-003
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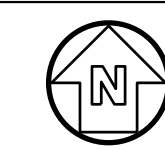
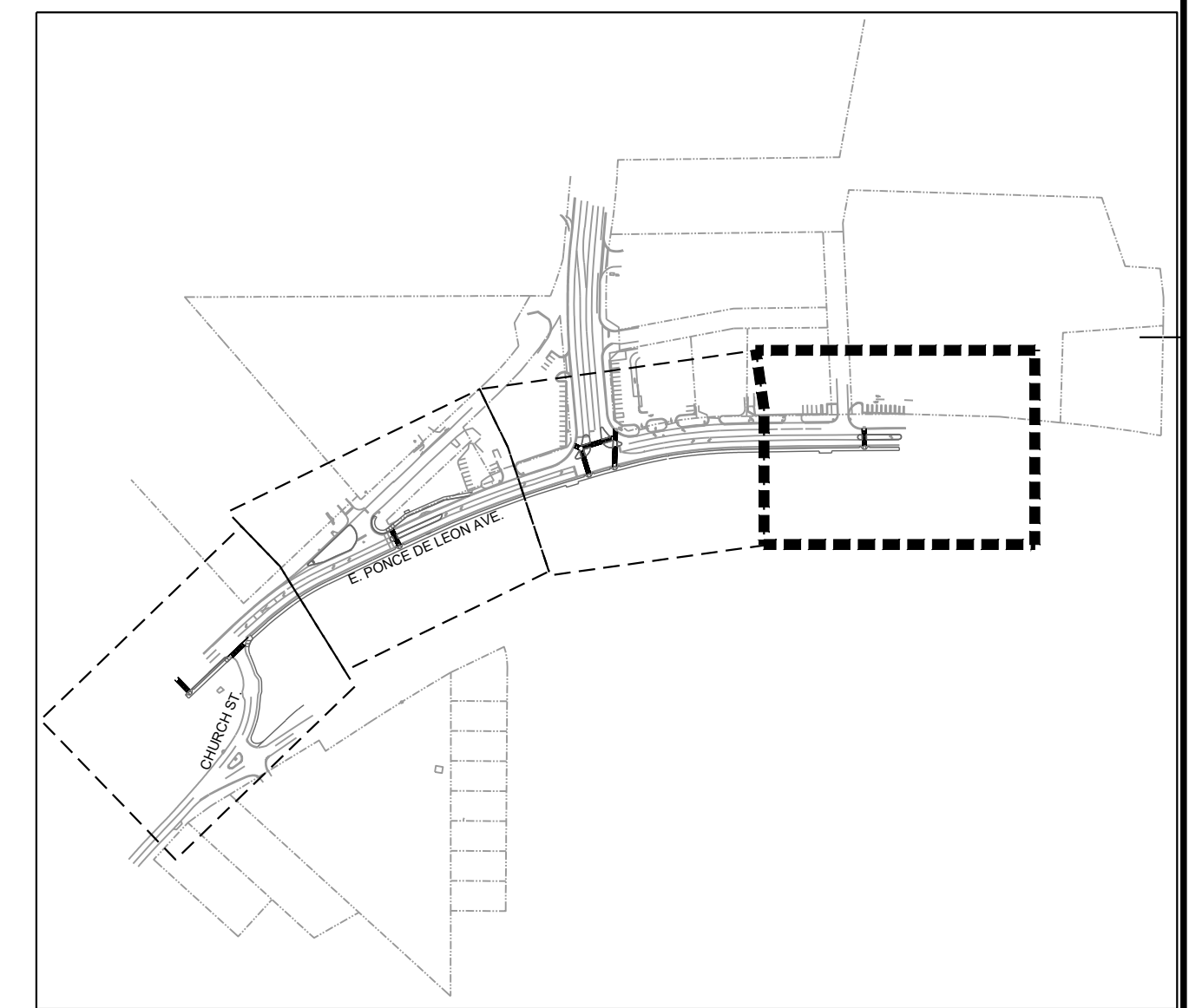
100% DRAWINGS

GENERAL SHEET NOTES

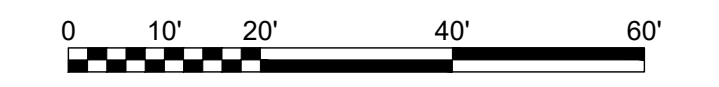
- REFER TO 18-001 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE PLAN SERIES
- CONTRACTOR TO ADJUST ALL VALVE TOPS, METERS AND MANHOLES TO FINISHED GRADE WITHIN PROJECT LIMITS.



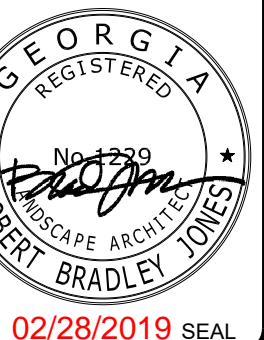
Know what's below.
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Dial 811
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SCALE: 1" = 20'



100% DRAWINGS



100% SUBMITTAL	DATE	APPR.

DESIGNED BY: RBJ	DATE: 2/22/2019
DRAWN BY: SPT	SOLICITATION NO.:
SUBMITTED BY: TN	CONTRACT NO.:
FILE NAME: CG-101.dwg	FILE NUMBER:
SIZE: 22" x 34"	PLOT DATE: 02/28/2019
PLOT SCALE: 1" = 20'	

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

POND
3000 Parkway Lane
30002 SUITE 500
Phone 678.388.7740
Fax 678.388.7744

PONCE/CHURCH SIDEWALKS
GRADING PLAN

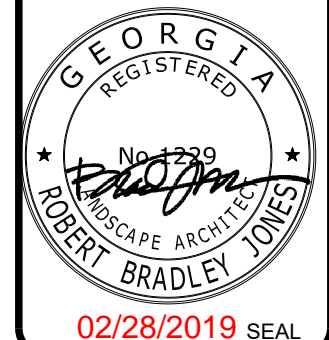
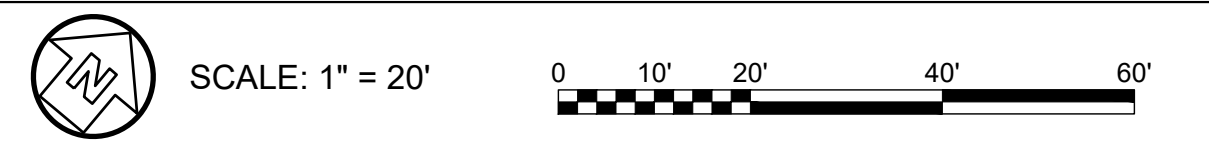
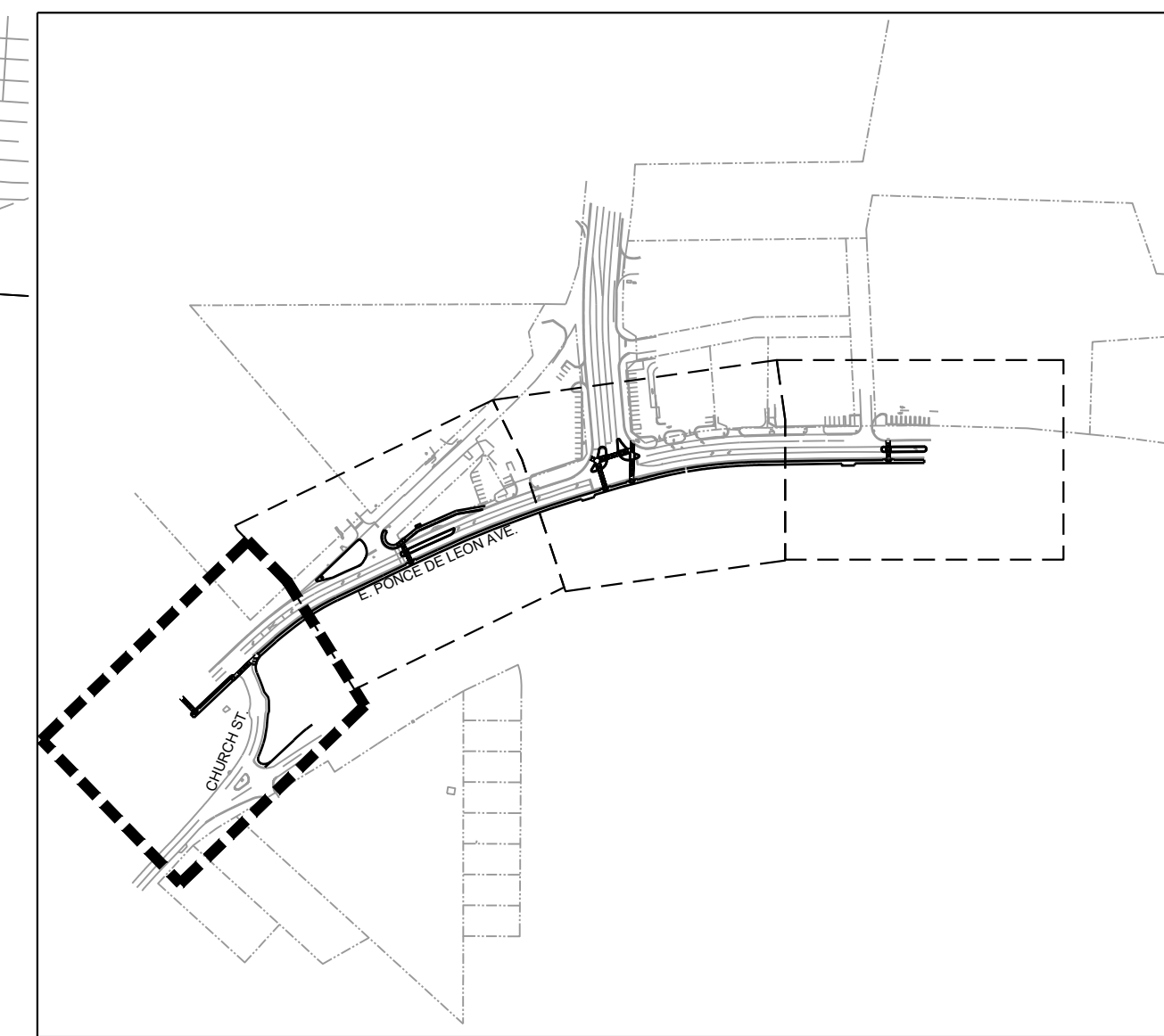
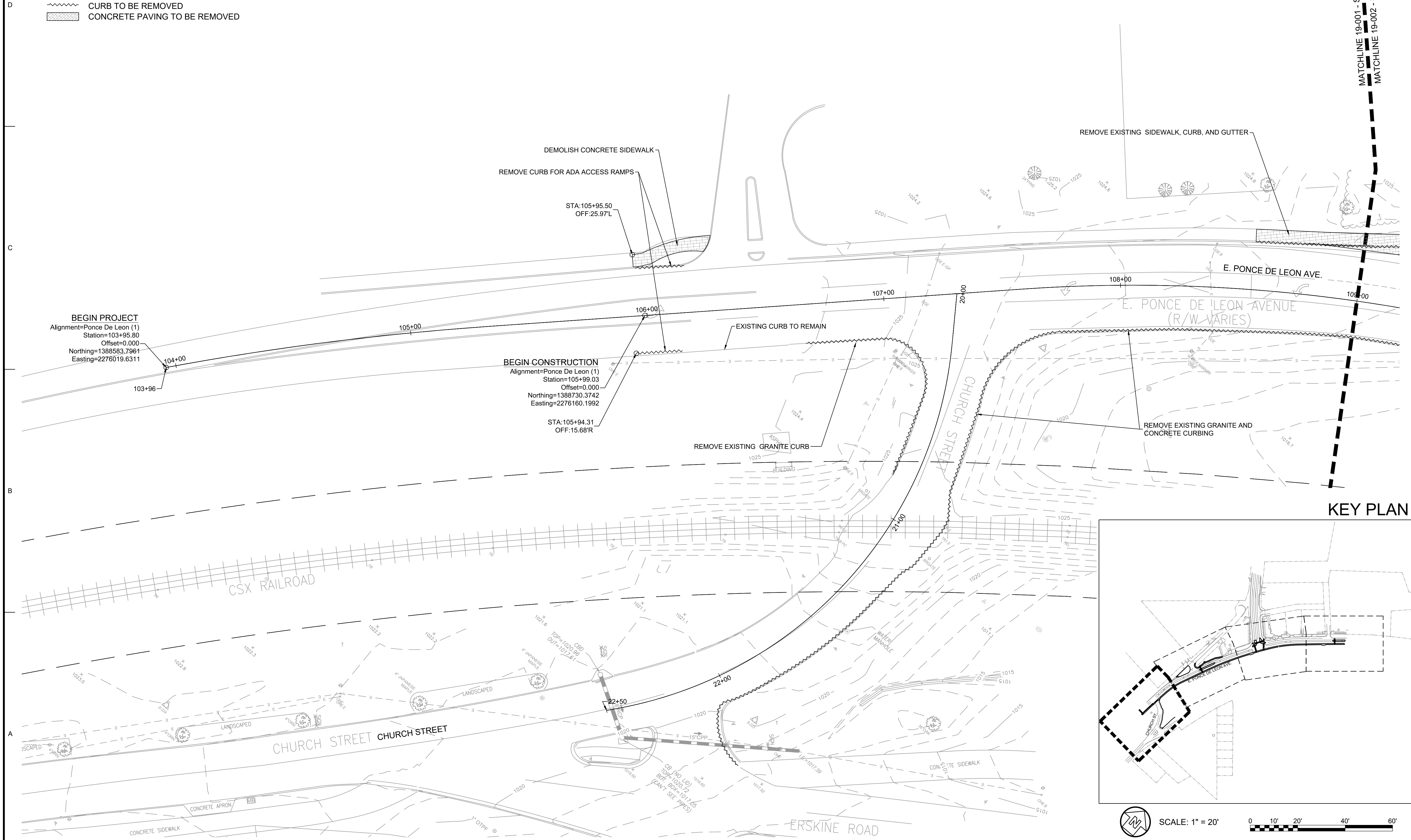
SHEET IDENTIFICATION NUMBER
18-004

GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES

LEGEND

	CURB TO BE REMOVED
	CONCRETE PAVING TO BE REMOVED



100% SUBMITTAL	DATE	DESCRIPTION	MARK	APPR.
A	1/31/2019			

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	FILE DATE: 02/26/2019
DRAWN BY: SPT	CHK BY: TN			FILE NAME: 19-000.DWG	PLOT SCALE: 22" x 34" 1:1
SUBMITTED BY:				SIZE:	

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

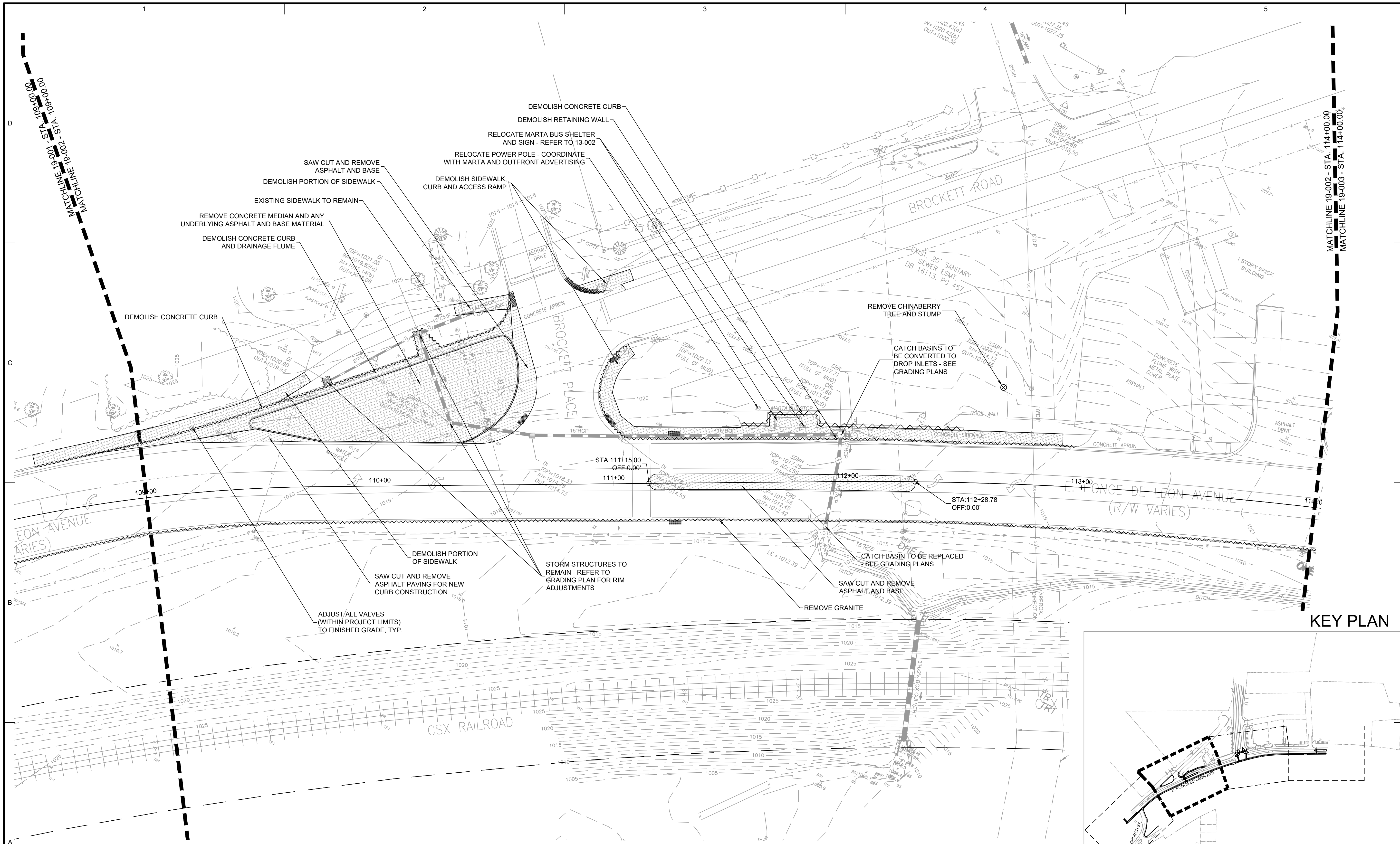
POND
 3000 Parkway Lane
 Clarkston, GA 30009
 Phone 678.387.7740
 Fax 678.387.7744

PONCE/CHURCH SIDEWALKS
 DEMOLITION PLANS

SHEET IDENTIFICATION NUMBER
19-001

FILE PATH: X:\FY19\190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCE\19-000.DWG PLOTTED BY: THOMPSON, SYDNEY

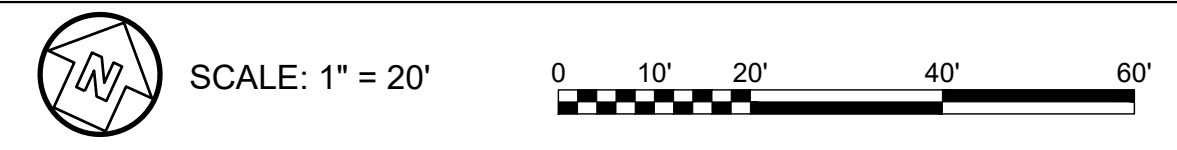
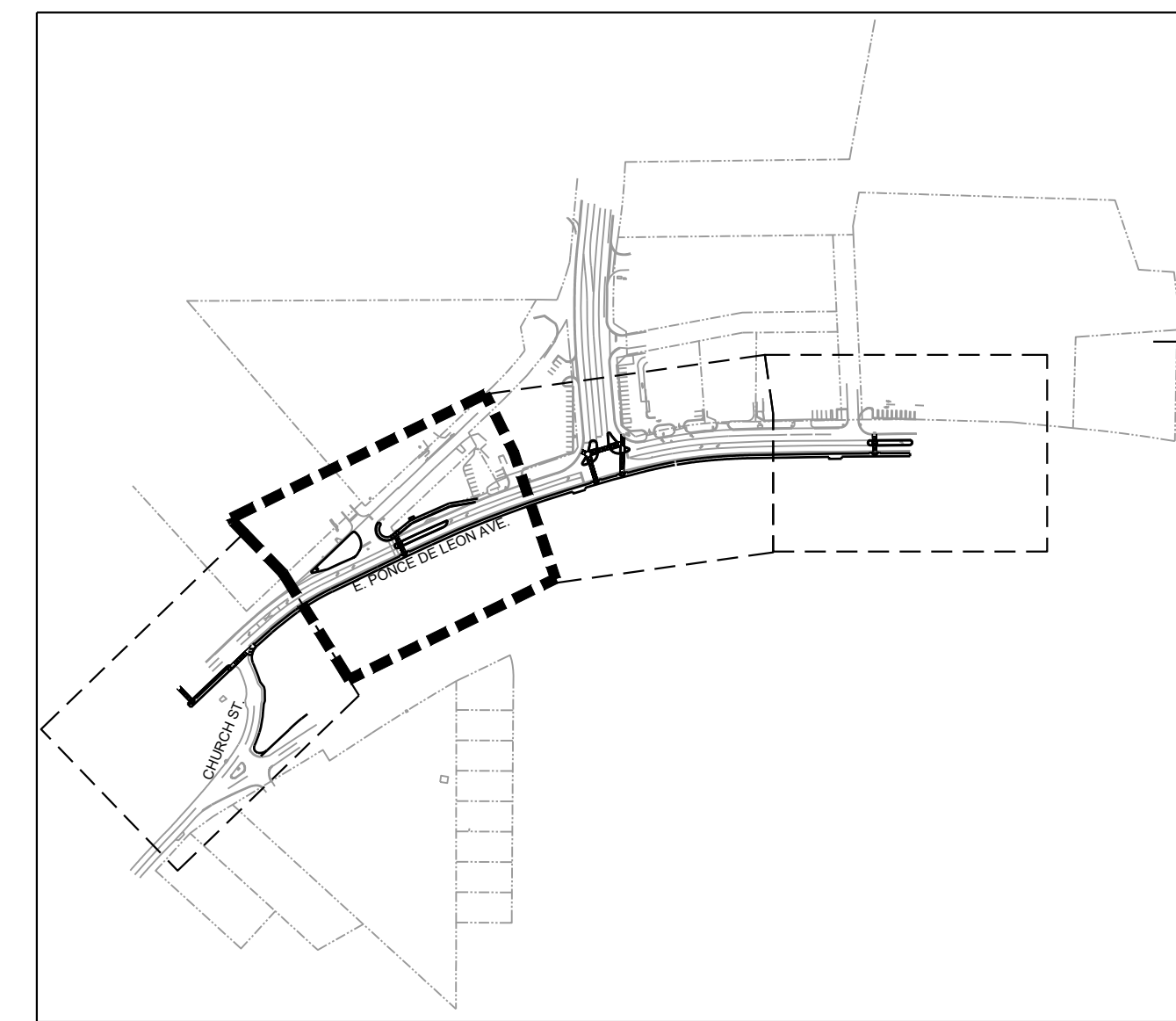
100% DRAWINGS



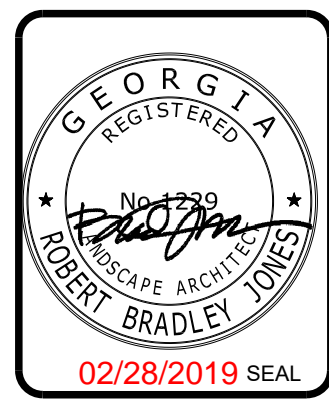
GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES
- LEGEND
- RETAINING WALL TO BE REMOVED
 - CURB TO BE REMOVED
 - CONCRETE PAVING TO BE REMOVED
 - ASPHALT PAVING TO BE REMOVED

- DEMOLITION NOTES:**
- REPLACE CATCH BASIN AT STA. 116+98.28 - REFER TO GRADING PLANS
 - SAWCUT AND REMOVE ASPHALT AND BASE AT PROPOSED MEDIAN, STA 120+86.52 TO STA 121+71.79 - REFER TO MAINLINE PLANS



100% DRAWINGS



MARK	DESCRIPTION	DATE	APPR.
A	100% SUBMITTAL	1/31/2019	

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:
DWN BY: SPT	CD BY: TN	FILE NAME: 19-000.dwg	FILE NUMBER:
SUBMITTED BY:	PLotted BY: RBJ	SIZE: 19-000.dwg	PLOT SCALE: 1" = 22' x 34'
			PLOT DATE: 02/28/2019

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

POND

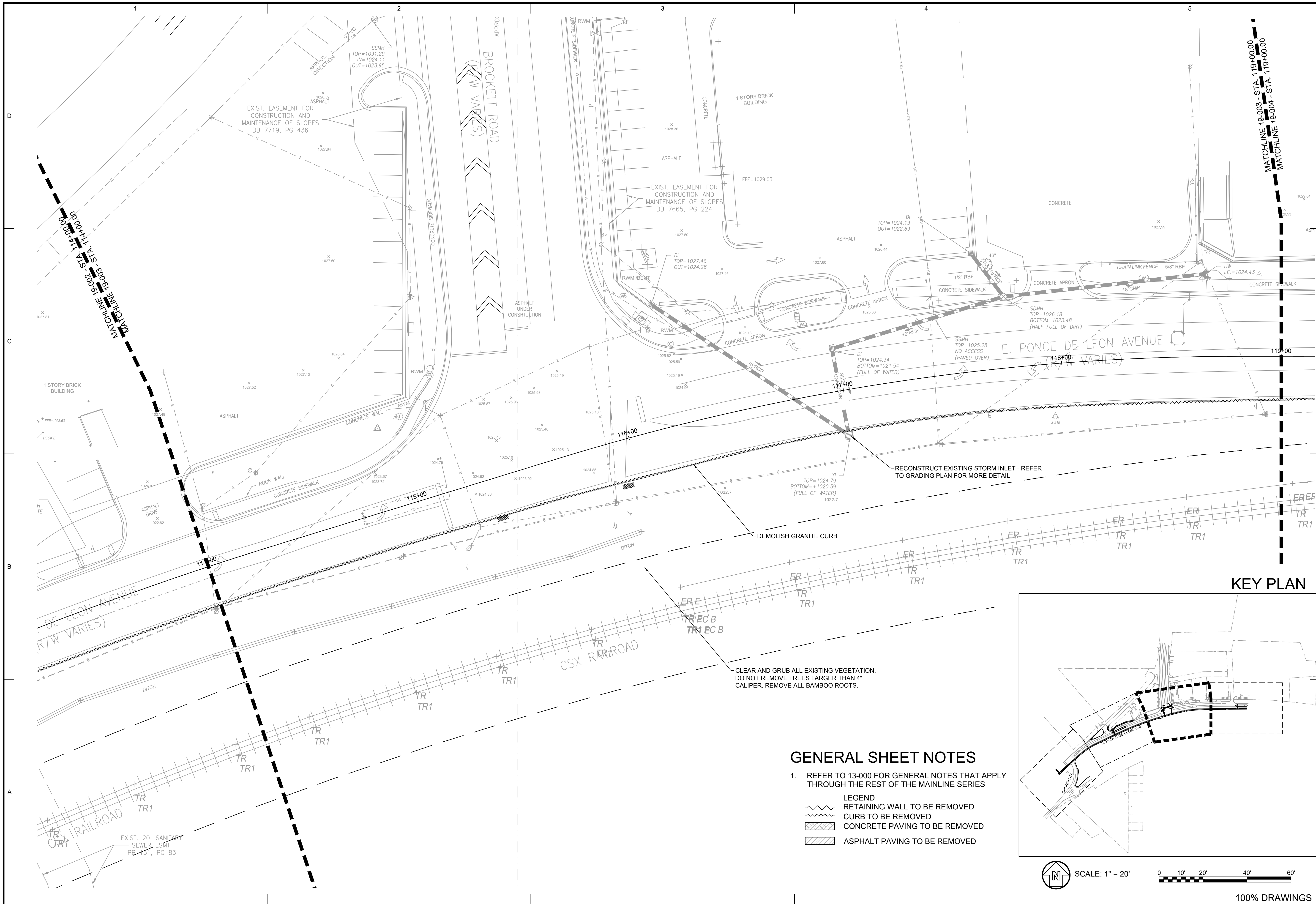
3000 Parkway Lane
Clarkston, GA 30009
Phone 678.398.7740
Fax 678.398.7744

POND PROJECT No. 1190154

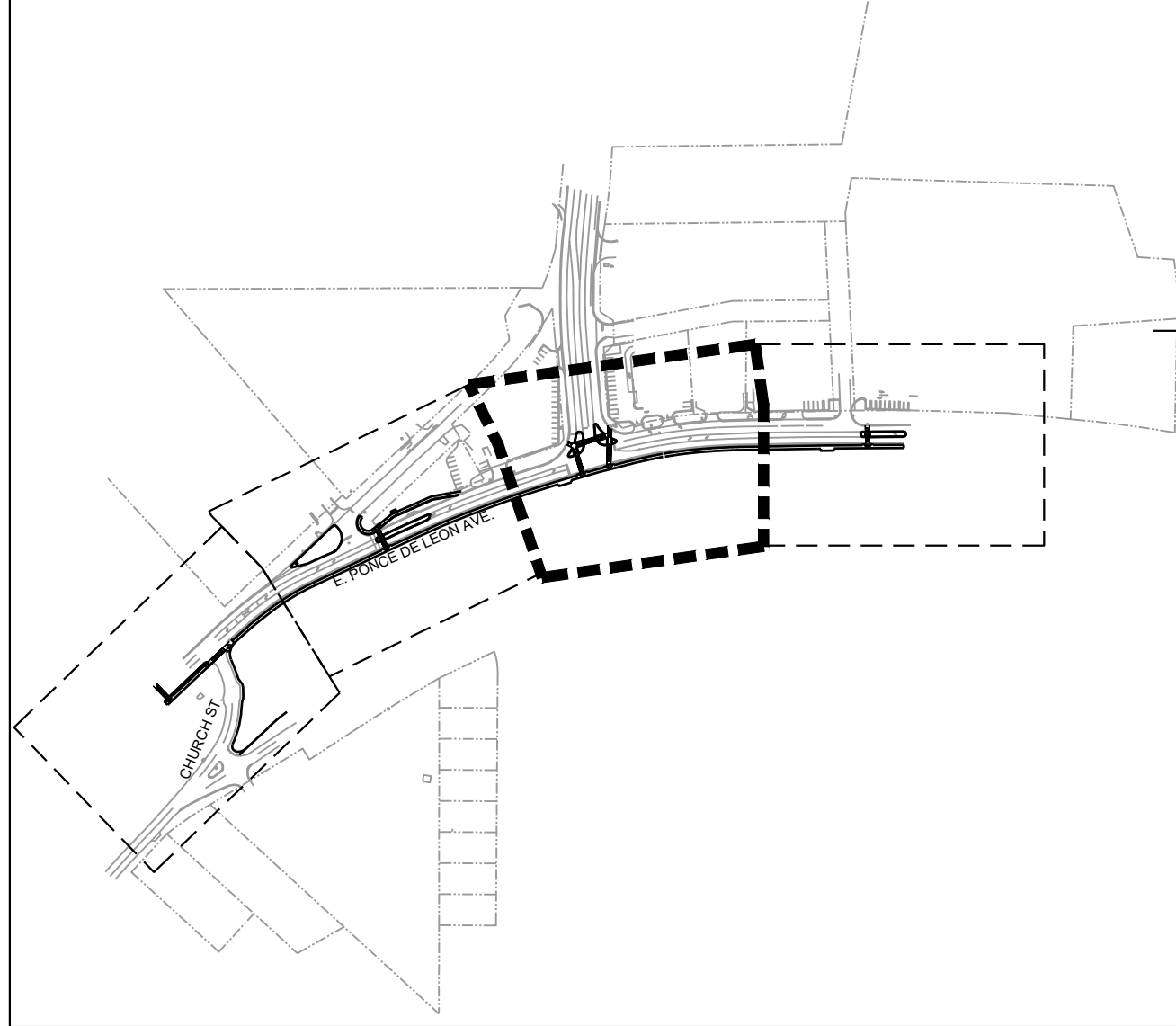
PONCE/CHURCH SIDEWALKS

DEMOLITION PLANS

SHEET IDENTIFICATION NUMBER
19-002

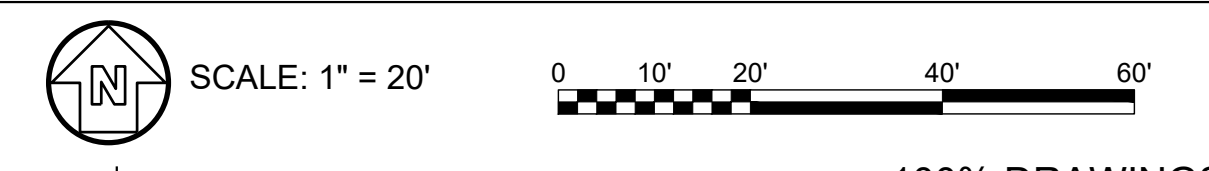



KEY PLAN



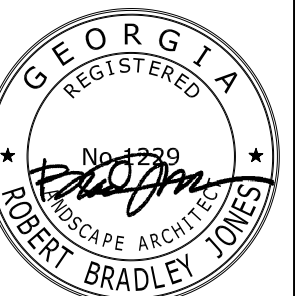
GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGHOUT THE REST OF THE MAINLINE SERIES
- LEGEND**
- RETAINING WALL TO BE REMOVED
 - CURB TO BE REMOVED
 - CONCRETE PAVING TO BE REMOVED
 - ASPHALT PAVING TO BE REMOVED





CITY OF CLARKSTON
where possibilities grow



02/28/2019 SEAL

DATE	DESCRIPTION	MARK	APPR.
1/31/2019	100% SUBMITTAL		

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:
DWN BY: SPT	CHK BY: TN	FILE NAME:	FILE NUMBER:
SUBMITTED BY:	19-000.dwg	SIZE:	PLOT SCALE:
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			PLOT DATE: 02/28/2019

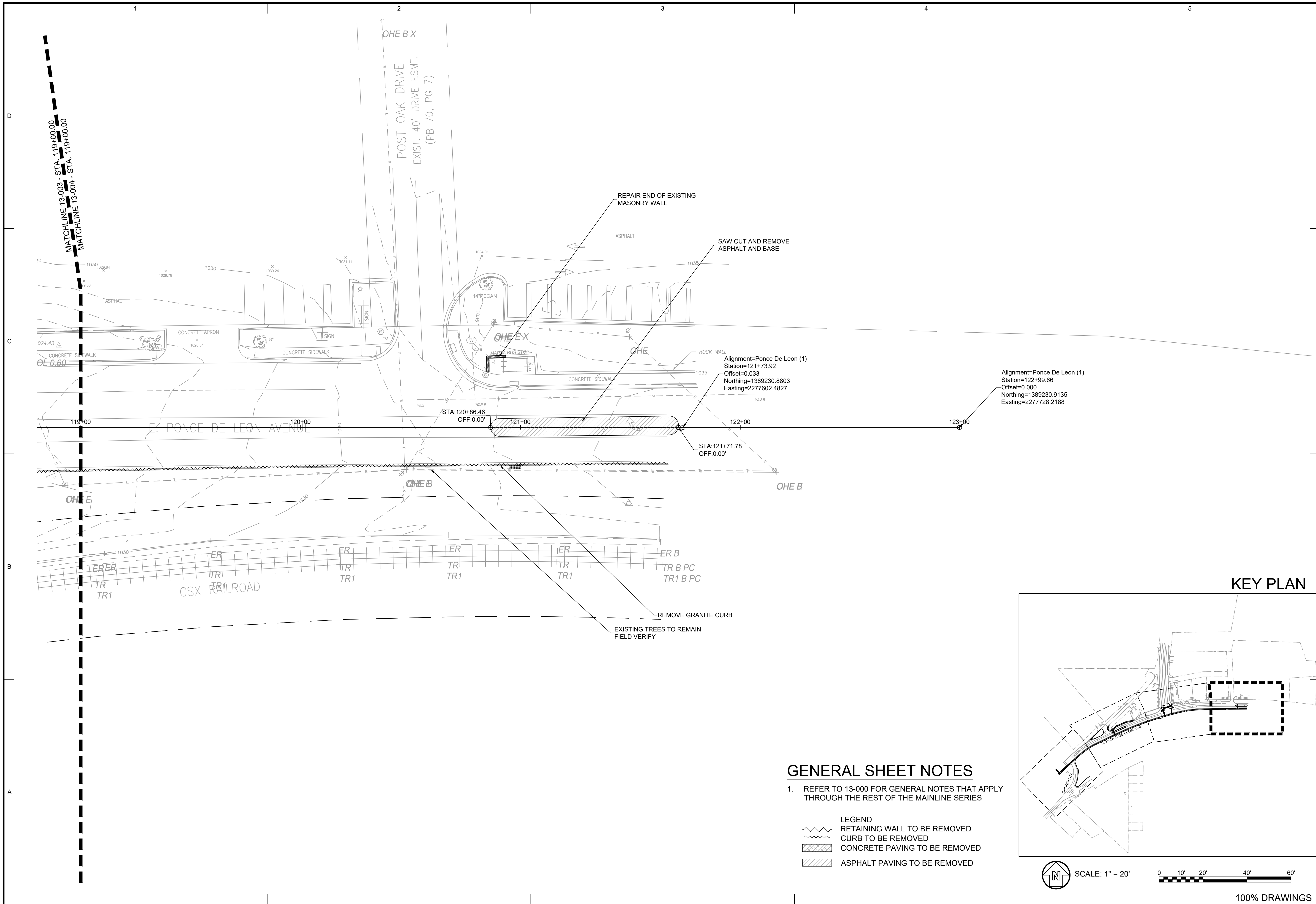
CITY OF CLARKSTON
SPLOT 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

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

PONCE/CHURCH SIDEWALKS
DEMOLITION PLANS

SHEET IDENTIFICATION NUMBER
19-003

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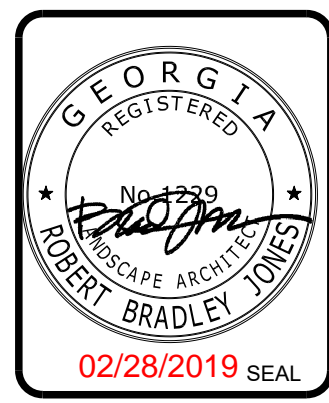
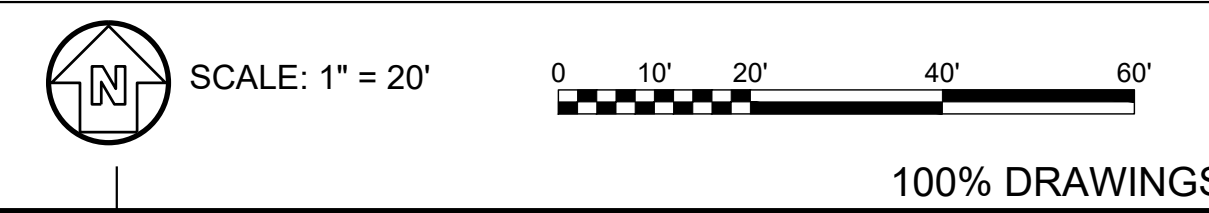
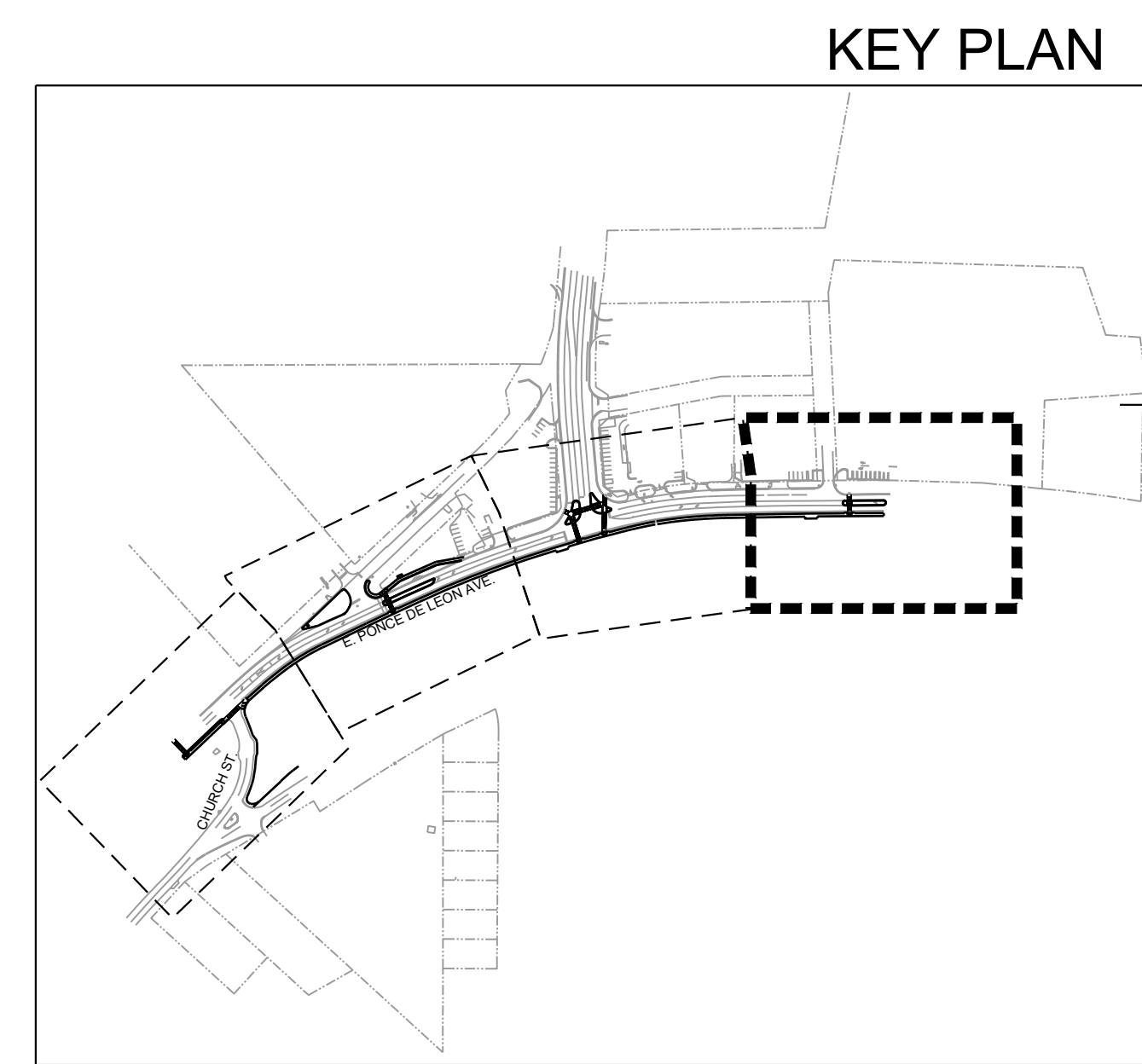


GENERAL SHEET NOTES

- REFER TO 13-000 FOR GENERAL NOTES THAT APPLY THROUGH THE REST OF THE MAINLINE SERIES

LEGEND

	RETAINING WALL TO BE REMOVED
	CURB TO BE REMOVED
	CONCRETE PAVING TO BE REMOVED
	ASPHALT PAVING TO BE REMOVED



DATE	DESCRIPTION	MARK	APPR.
1/31/2019	100% SUBMITTAL		

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.: 13-000
DWN BY: SPT	CHK BY: TN	CONTRACT NO.:
SUBMITTED BY:	FILE NAME: 19-000.dwg	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE: 1" = 20'	PLOT DATE: 02/28/2019

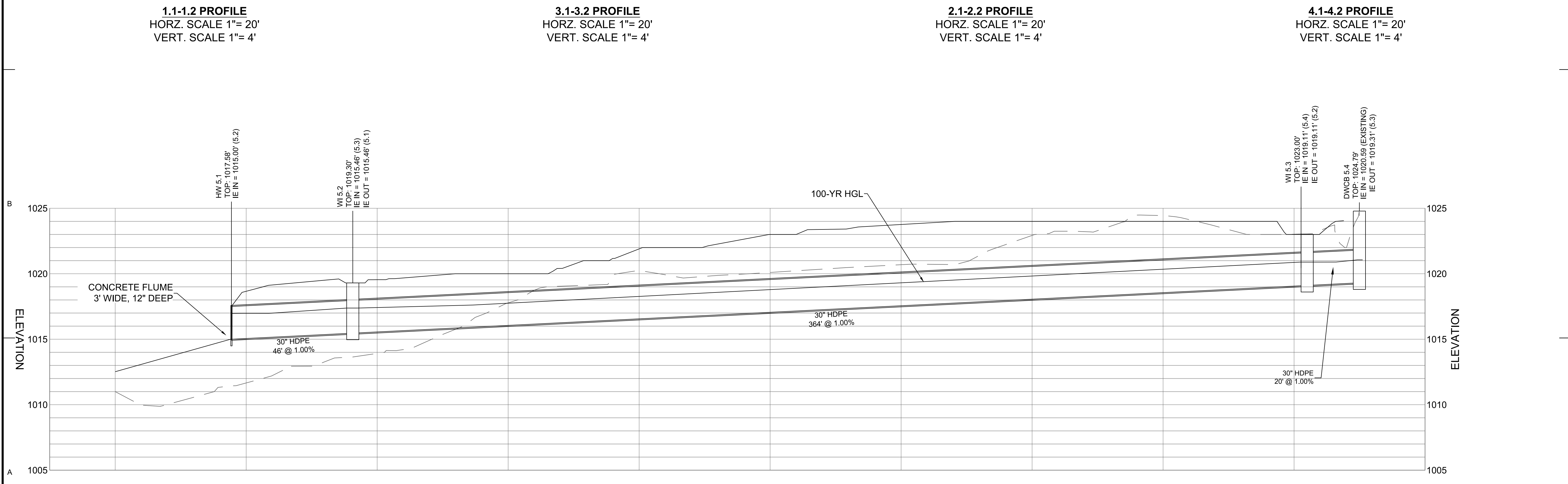
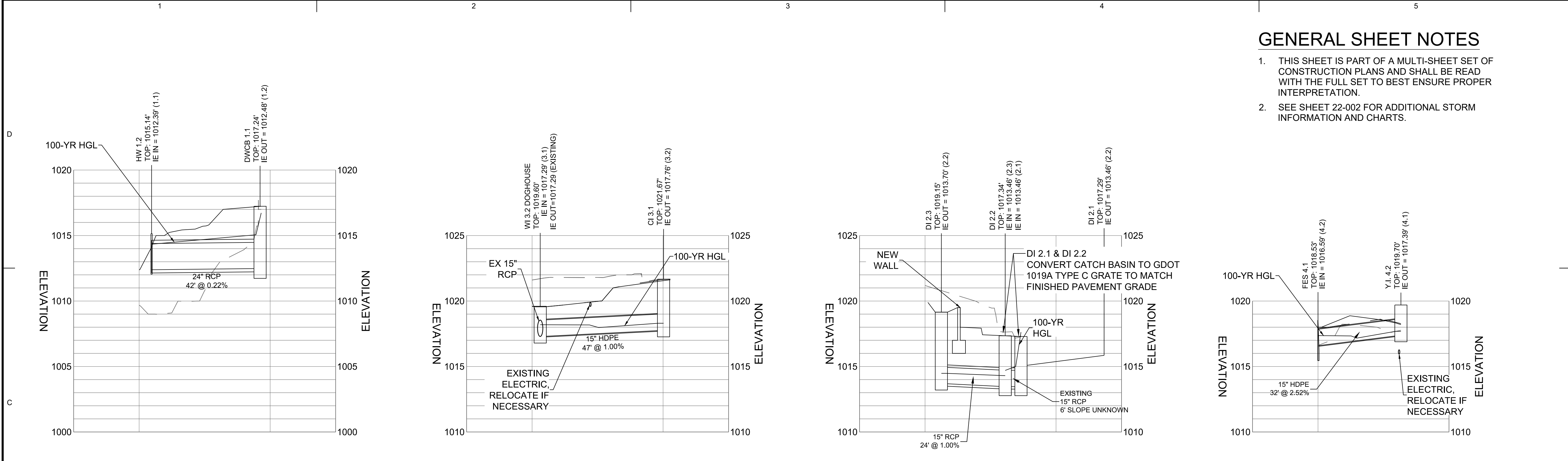
CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

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

PONCE/CHURCH SIDEWALKS
DEMOLITION PLANS

SHEET IDENTIFICATION NUMBER
19-004

FILE PATH: \SWITCHBLADE\PROJECTS\FY19\190154\04_CAD_BIM\04_02_CAD\CHURCH & PONCECG-101.DWG PLOTTED BY: THOMPSON, SYDNEY



GENERAL SHEET NOTES

- THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
- SEE SHEET 22-002 FOR ADDITIONAL STORM INFORMATION AND CHARTS.



MARK	DESCRIPTION	DATE	APPR.
A	100% SUBMITTAL	10/12/2019	

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:
DRAWN BY: JVN	CHK BY: JVN	CONTRACT NO.:
SUBMITTED BY:	FILE NAME: CG-101.DWG	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE: 1"= 20'	PLOT DATE: 02/28/2019

CITY OF CLARKSTON
 SPOST 4 PEDESTRIAN PROJECT D -
 PONCECHURCH SIDEWALK

POND
 3500 Parkway Lane
 30052 SUITE 500 GA
 Phone: 678.397.740
 Fax: 678.397.744

POND PROJECT No. 190154

PONCECHURCH SIDEWALKS
 PROFILES

SHEET IDENTIFICATION NUMBER
22-001

(A1) STORM SEWER PROFILES
 SCALE: 1" = 20'



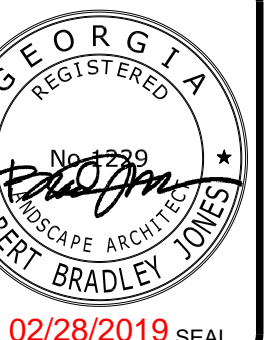
Know what's below.
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 Or Call 800-282-7411

100% DRAWINGS

FILE PATH: \SWITCHBLADE\PROJECTS\FY19\190154\04_CAD_BIM\04_02_CAD\CHURCH & PONCEICG-101.DWG PLOTTED BY: THOMPSON, SYDNEY

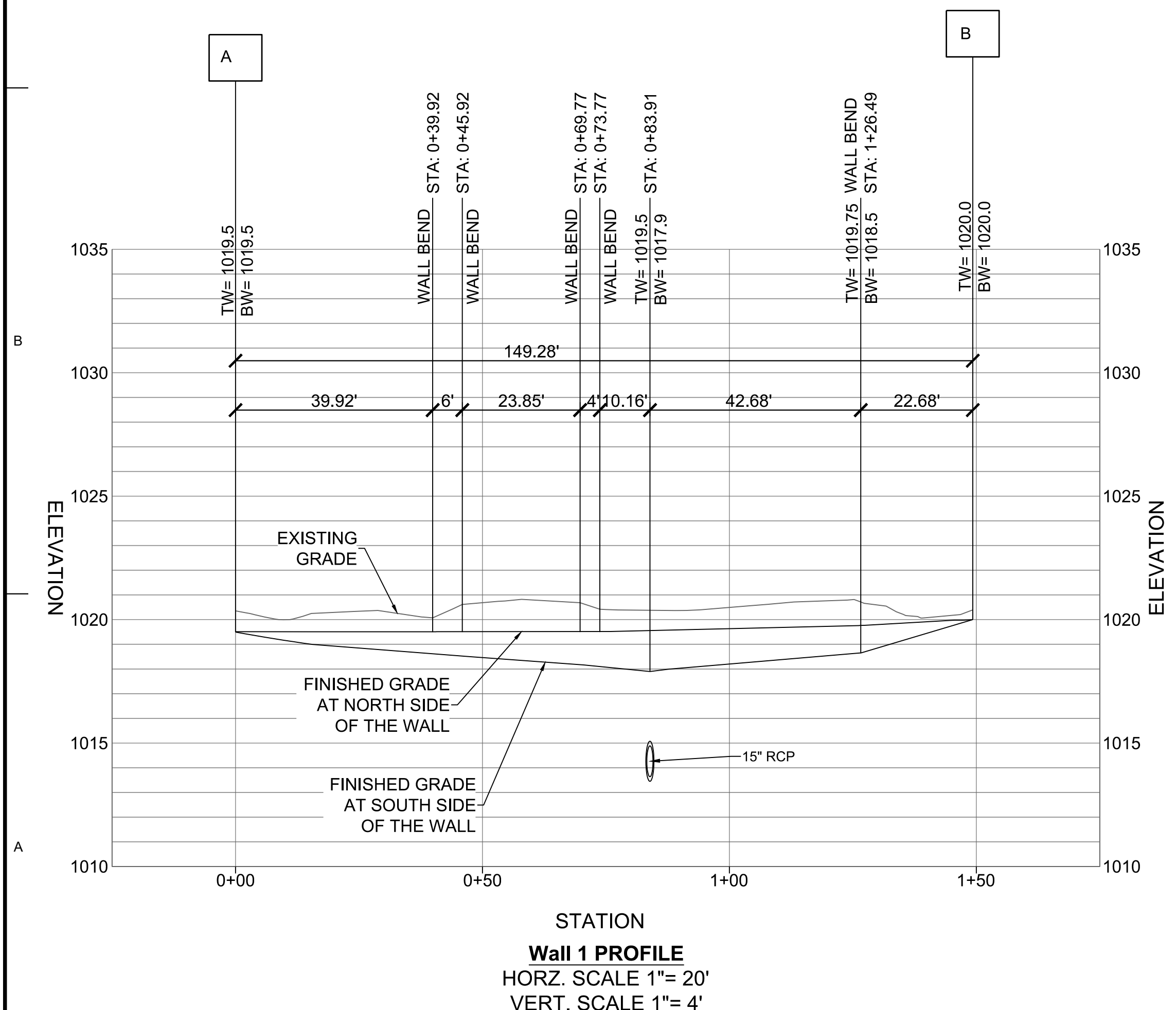
GENERAL SHEET NOTES

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02/28/2019 SEAL

10/12/2019	100% SUBMITTAL	MARK	DESCRIPTION	DATE	APPR.



A1 WALL PROFILE
SCALE: 1" = 20'

Project Number: _____ County: _____ P.I. Number: _____

Pipe Culvert Material Alternates

TYPE OF INSTALLATION	PIPE TYPE									
	CONCRETE		STEEL			ALUMINUM		THERMOPLASTIC		
	REINFORCED CONCRETE AASHTO M-79	CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36	CORRUGATED STEEL FLUX ZINC COATED AASHTO M-36	POLYMER COATED STEEL AASHTO M-242	CORRUGATED ALUMINUM AASHTO M-196	CORRUGATED HDPE AASHTO M-252	CORRUGATED SMOOTH LINED HDPE TYPE "S" AASHTO M-294	CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M-339	PVC CORRUGATED SMOOTH INTERIOR ASTM F-949	PVC Profile Wall Drain Pipe AASHTO M-384
INTERSTATE	X									
NON-INTERSTATE	X						X	X	X	X
ADT < 1,500	X						X	X	X	X
1,500 < ADT < 5,000	X						X	X	X	X
5,000 < ADT < 15,000	X						X	X	X	X
ADT > 15,000 & INTERSTATES	X									
GRADE > 10%							X	X	X	X
SIDE DRAIN	X						X	X	X	X
PERMANENT SLOPE DRAIN		X	X	X	X		X	X	X	X
PERFORATED UNDERDRAIN		X	X			X	X	X	X	X

NOTES:

- Allowable materials are indicated by an "X".
- Structural, installation, fill height and backfill requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P and the Standard Specifications
- The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.
- Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face shall be Class V Concrete Pipe.

Rev. 1-12-16

4.5.26

100-YEAR PIPE CHART

Line	To Line	Line Length (ft)	Incr. Area (ac)	Total Area (ac)	Runoff Coeff. (C)	Incr. C x A	Total C x A	Inlet Time (min)	Time Conc. (min)	Rnfall Int. (in/hr)	Total Runoff (cfs)	Adnl Flow (cfs)	Total Flow (cfs)	Capac Full (cfs)	Veloc (ft/s)	Pipe Size (in)	Pipe Slope (%)	Inv Elev (ft)	Inv Elev (ft)	HGL Up (ft)	HGL Dn (ft)	Grnd/Rim Dn (ft)	Grnd/Rim Up (ft)	Line ID
1	Outfall	46	0.3	5.4	0.5	0.15	4.13	5	13	7.8	32.23	0	32.23	40.56	7.84	30	0.98	1015	1015.45	1016.97	1017.38	1017.75	1020	5.2-5.1
2	1	364	0.35	5.1	0.5	0.18	3.98	5	12.1	8.1	32.2	0	32.2	40.27	7.91	30	0.96	1015.45	1018.96	1017.38	1020.89	1020	1023	5.3-5.2
3	2	21,797	4.75	4.75	0.8	3.8	3.8	12	12	8.1	30.85	0	30.85	40.25	7.66	30	0.96	1018.96	1019.17	1020.89	1021.06	1023	1024.79	5.4-5.3
4	Outfall	47,077	0.2	0.2	0.8	0.16	0.16	5	5	11.6	1.86	0	1.86	6.45	2.8	15	1	1017.29	1017.76	1018.19	1018.3	1019.6	1021.67	3.1-3.2
5	Outfall	31,649	0.1	0.1	0.5	0.05	0.05	5	5	11.6	0.58	0	0.58	10.27	1.67	15	2.53	1016.59	1017.39	1017.36	1017.69	1018.53	1019.7	4.2-4.1
6	Outfall	24,358	0.2	0.2	0.5	0.1	0.1	5	5	11.6	1.16	0	1.16	6.41	2.24	15	0.99	1013.46	1013.7	1014.3	1014.12	1017.34	1019.15	2.3-2.2
7	Outfall	6,028	2.25	2.25	0.8	1.8	1.8	10	10	8.8	15.91	0	15.91	6.98	12.97	15	1	1013.46	1013.52	1014.7	1015.01	1017.34	1017.29	2.1-2.2
8	Outfall	41,841	4.6	4.6	0.8	3.68	3.68	10	10	8.8	32.53	0	32.53	11.36	10.39	24	0.22	1012.39	1012.48	1014.34	1015.06	1015.14	1017.19	1.1-1.2
9	Outfall	51.74	11.2	11.2	0.8	8.96	8.96	10	10	8.8	79.21	0	79.21	137.45	13.2	36 X 24	6.76	1008.89	1012.39	1011.89	1015.39	1025	1025	Culvert

A3 STORM CHARTS



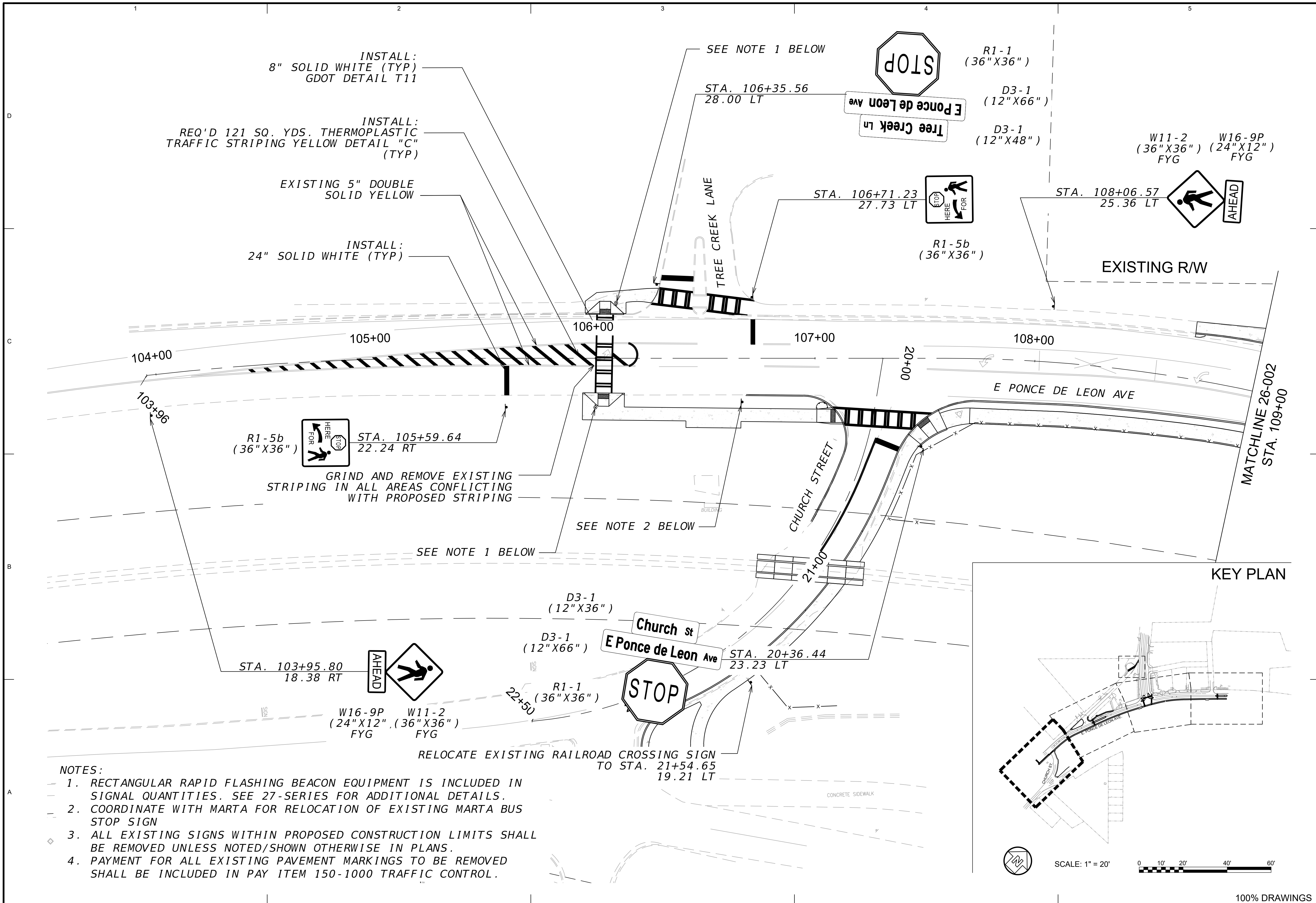
Know what's below.
 Call before you dig.
 Dial 811
 Or Call 800-282-7411

PONCE/CHURCH SIDEWALKS

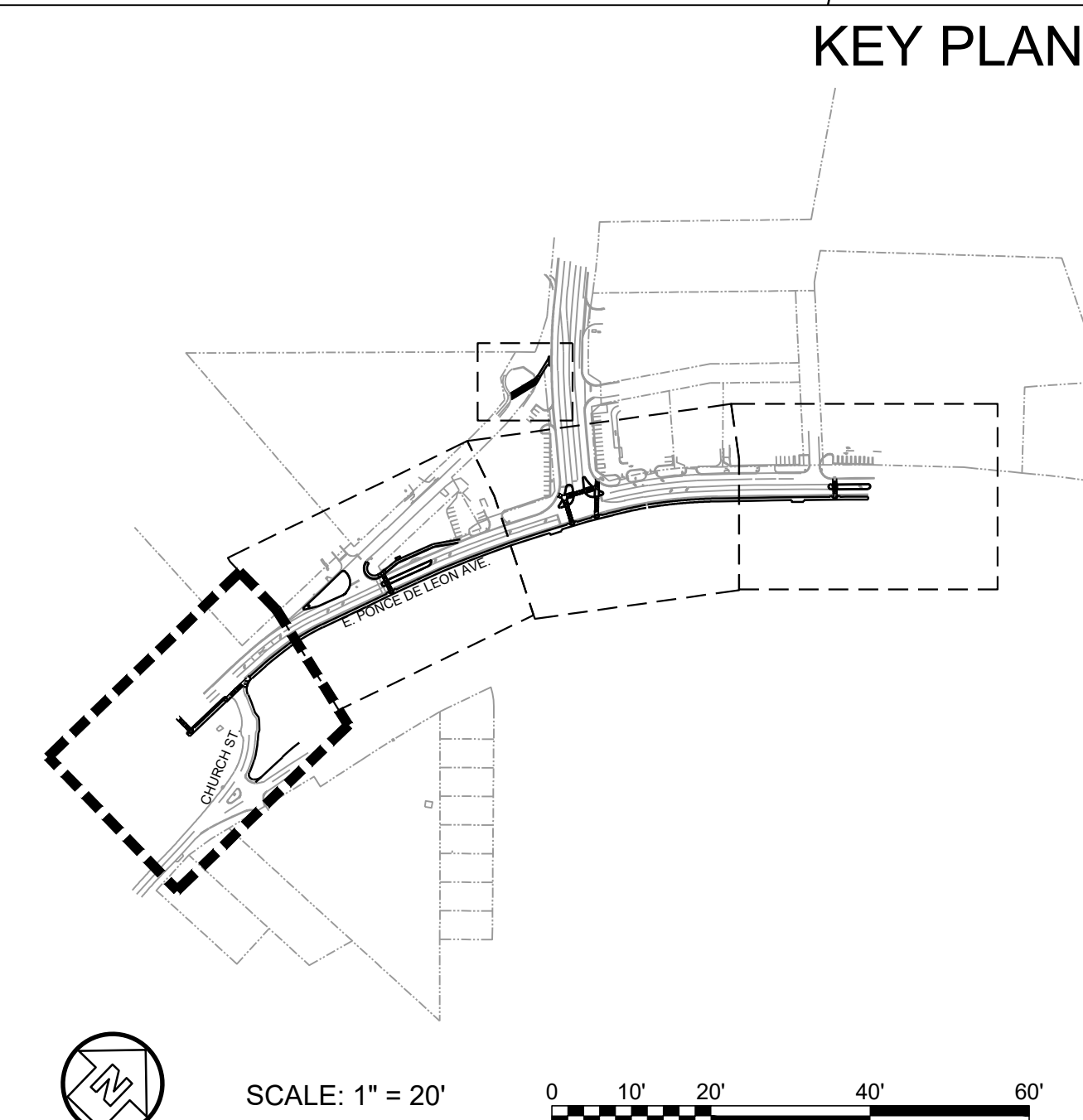
SHEET IDENTIFICATION NUMBER
22-002

100% DRAWINGS

FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCEXREF_2017_FILES\26 SERIES.DWG PLOTTED BY: NORRIS, MATT



- NOTES:**
1. RECTANGULAR RAPID FLASHING BEACON EQUIPMENT IS INCLUDED IN SIGNAL QUANTITIES. SEE 27-SERIES FOR ADDITIONAL DETAILS.
 2. COORDINATE WITH MARTA FOR RELOCATION OF EXISTING MARTA BUS STOP SIGN
 3. ALL EXISTING SIGNS WITHIN PROPOSED CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS NOTED/SHOWN OTHERWISE IN PLANS.
 4. PAYMENT FOR ALL EXISTING PAVEMENT MARKINGS TO BE REMOVED SHALL BE INCLUDED IN PAY ITEM 150-1000 TRAFFIC CONTROL.



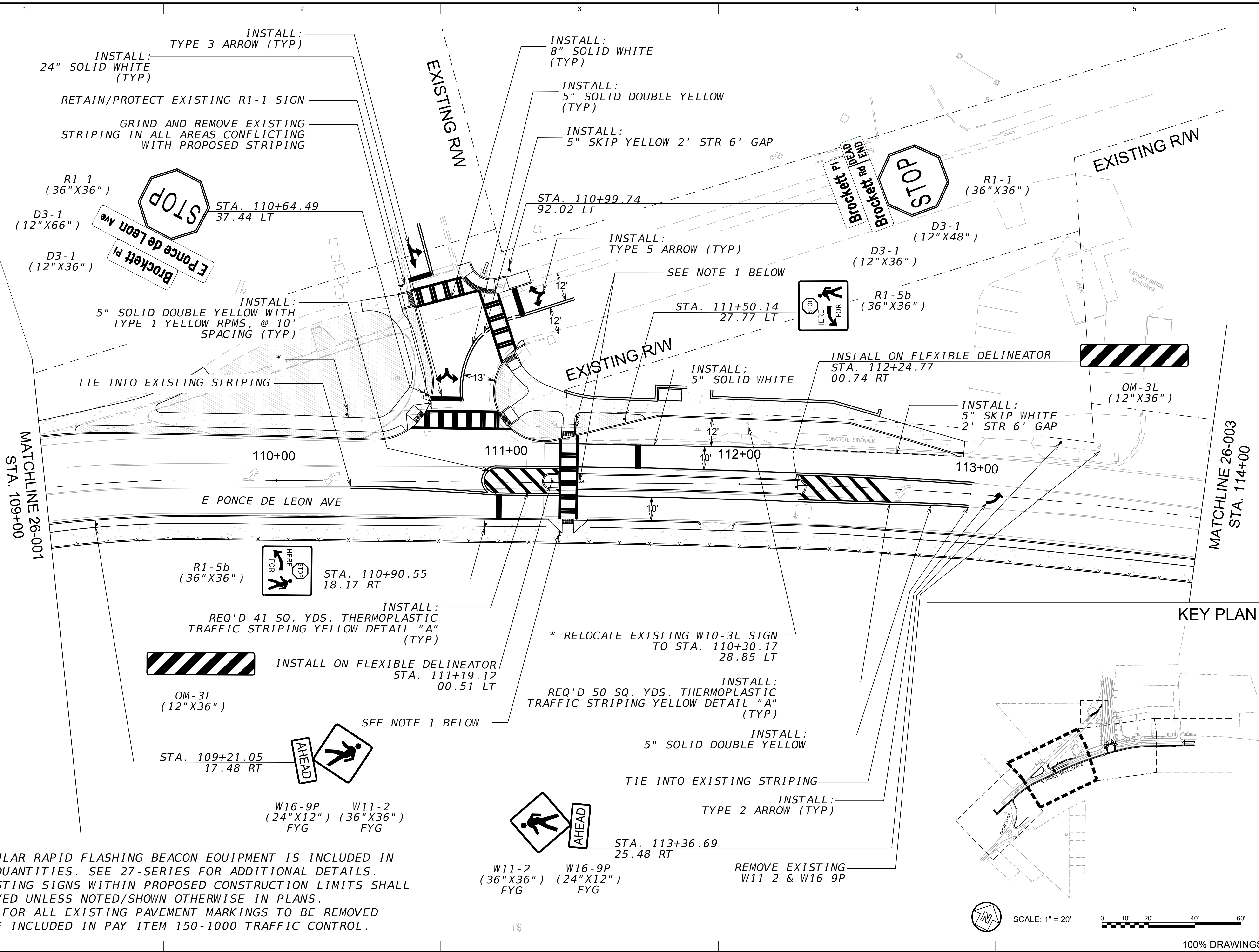
SCALE: 1" = 20'

DESIGNED BY: RBJ DWN BY: SPT SUBMITTED BY:	DATE: NOV/27/2018 SOLICITATION NO.: CONTRACT NO.: FILE NAME: 26 Series.dwg SIZE: 22' x 34' PLOT SCALE: 1" = 20'
CITY OF CLARKSTON SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION	
PONCE/CHURCH INTERSECTION	SIGNING AND MARKING PLANS
SHEET IDENTIFICATION NUMBER 26-001	

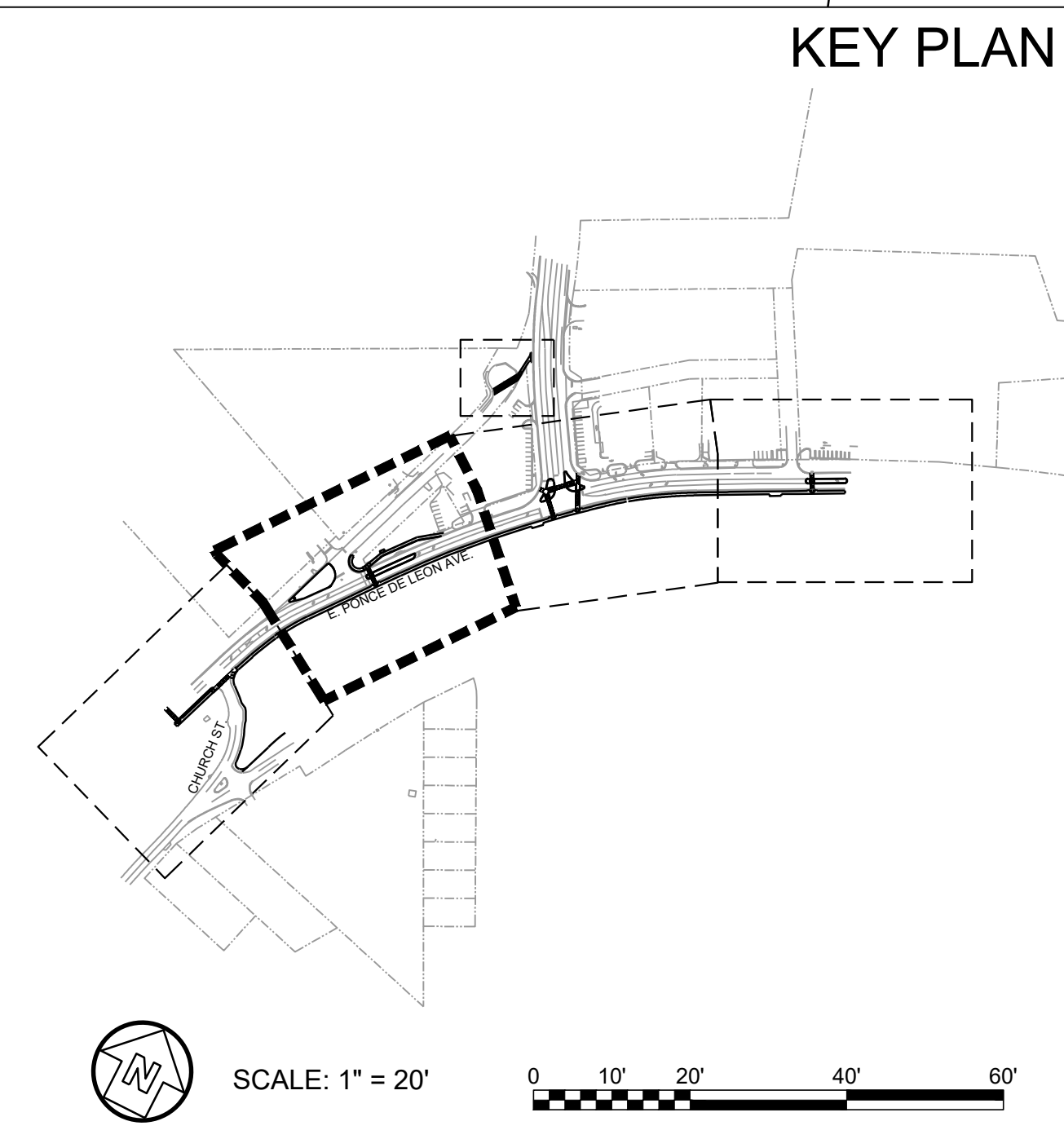
5/13/2018	DATE
12/6/2018	DATE
50% PLAN SUBMITTAL	MARK
75% PLAN SUBMITTAL	MARK
	DESCRIPTION
	DATE
	APPR.


100% DRAWINGS

FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCEXREF_2017_FILES\26 SERIES.DWG PLOTTED BY: NORRIS, MATT

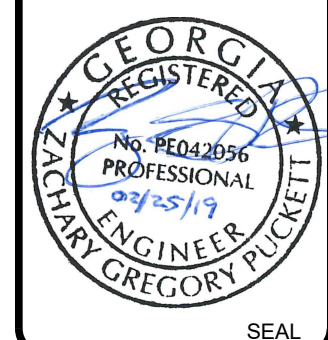


- NOTES:**
1. RECTANGULAR RAPID FLASHING BEACON EQUIPMENT IS INCLUDED IN SIGNAL QUANTITIES. SEE 27-SERIES FOR ADDITIONAL DETAILS.
 2. ALL EXISTING SIGNS WITHIN PROPOSED CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS NOTED/SHOWN OTHERWISE IN PLANS.
 3. PAYMENT FOR ALL EXISTING PAVEMENT MARKINGS TO BE REMOVED SHALL BE INCLUDED IN PAY ITEM 150-1000 TRAFFIC CONTROL.





where possibilities grow



DESIGNED BY: RBJ	DATE: NOV 27, 2018	SOLICITATION NO.:	CONTRACT NO.:	FILE NAME:	PLOT DATE:	MARK	APPR.
DWN BY: SPT	CD BY:			26 Series.dwg	02/25/2019		
SUBMITTED BY:				SIZE: 22" x 34"	PLOT SCALE: 1" = 20'		

CITY OF CLARKSTON
SPLIST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
POND PROJECT No. 1180426 Fax: 678.387.7744

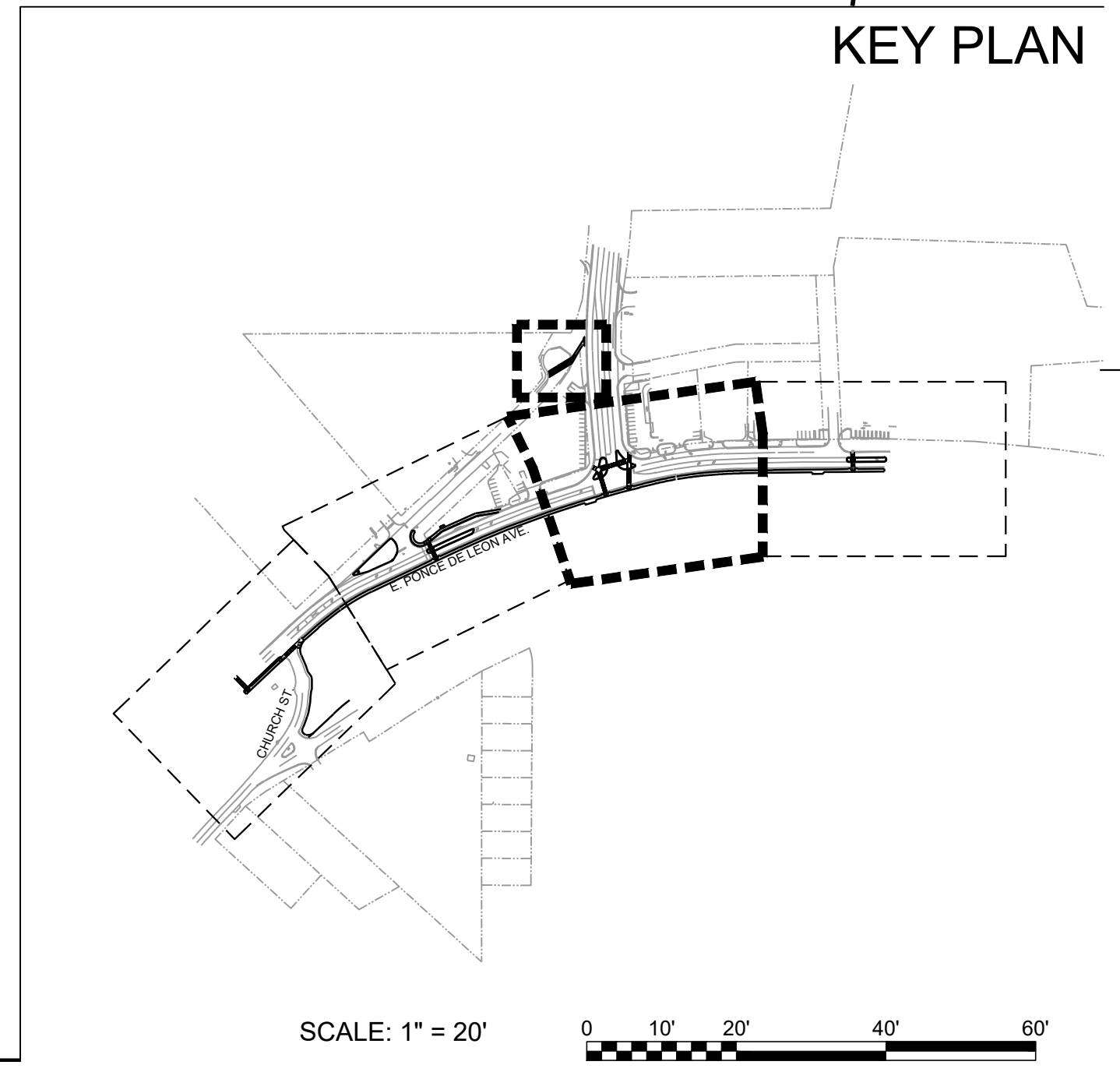
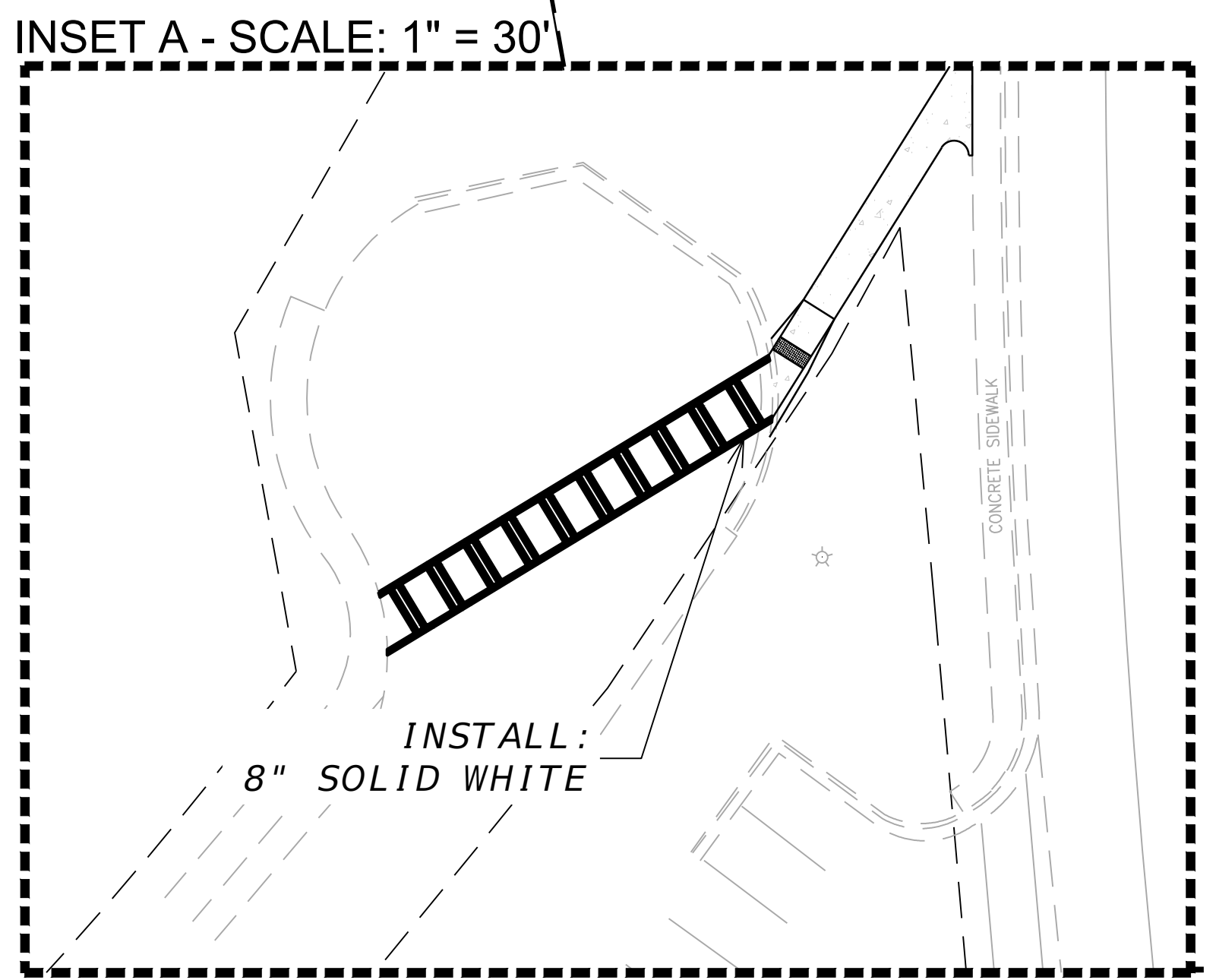
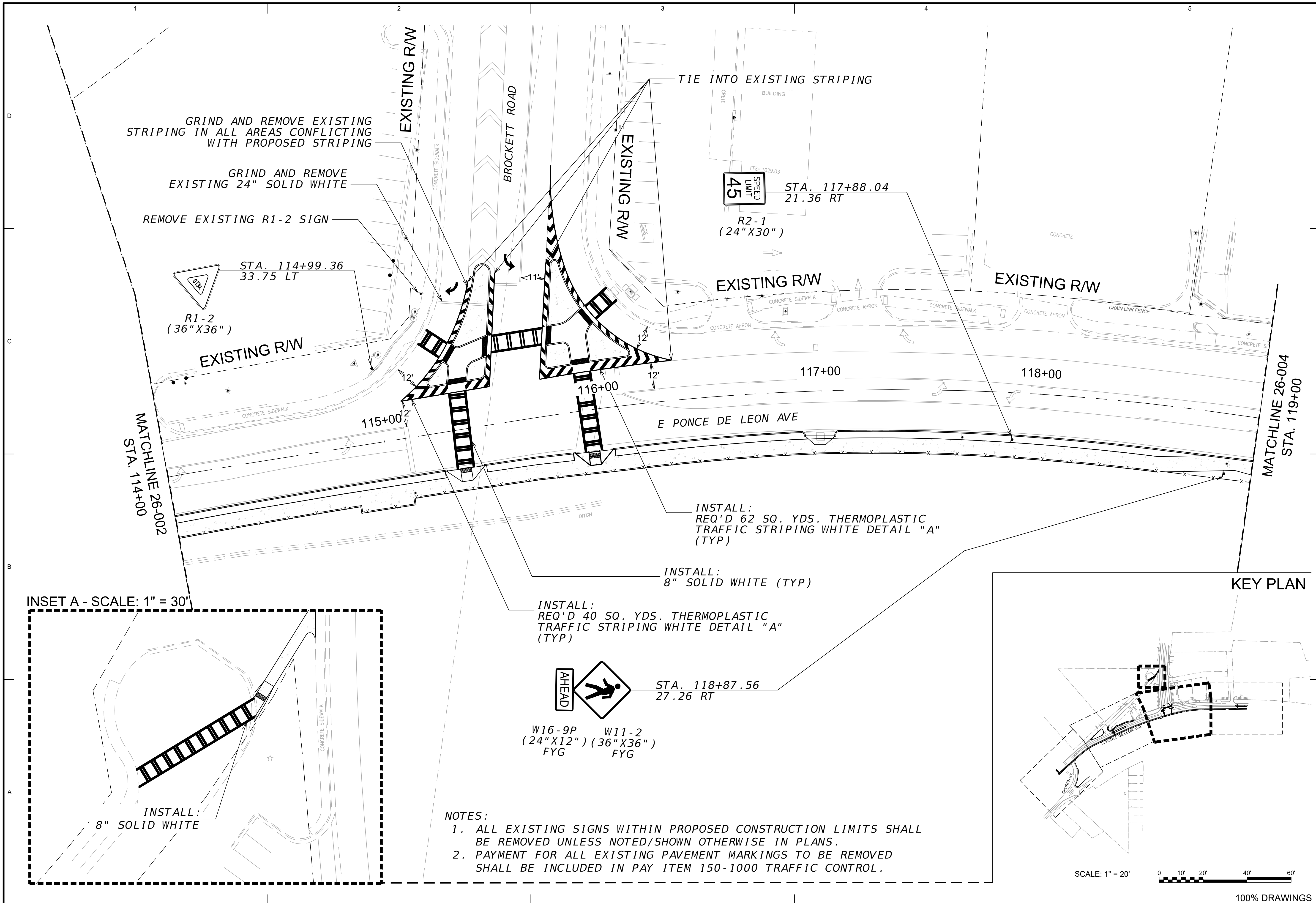
PONCE/CHURCH INTERSECTION

SIGNING AND MARKING PLANS

SHEET IDENTIFICATION NUMBER
26-002

100% DRAWINGS

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- NOTES:
1. ALL EXISTING SIGNS WITHIN PROPOSED CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS NOTED/SHOWN OTHERWISE IN PLANS.
 2. PAYMENT FOR ALL EXISTING PAVEMENT MARKINGS TO BE REMOVED SHALL BE INCLUDED IN PAY ITEM 150-1000 TRAFFIC CONTROL.

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

A	50% PLAN SUBMITTAL	DATE	9/13/2018
B	75% PLAN SUBMITTAL	DATE	12/6/2018
MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: RBJ

DWN BY: SPT

FILE NAME: 26 Series.dwg

SIZE: 22' x 34'

DATE: NOV/27, 2018

SOLICITATION NO.:

CONTRACT NO.:

FILE NUMBER:

PLOT DATE: 02/25/2019

PLOT SCALE: 1" = 11'

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

POND
 3000 Parkway Lane
 30002 SUITE 500
 Phone 678.387.7740
 Fax 678.387.7744

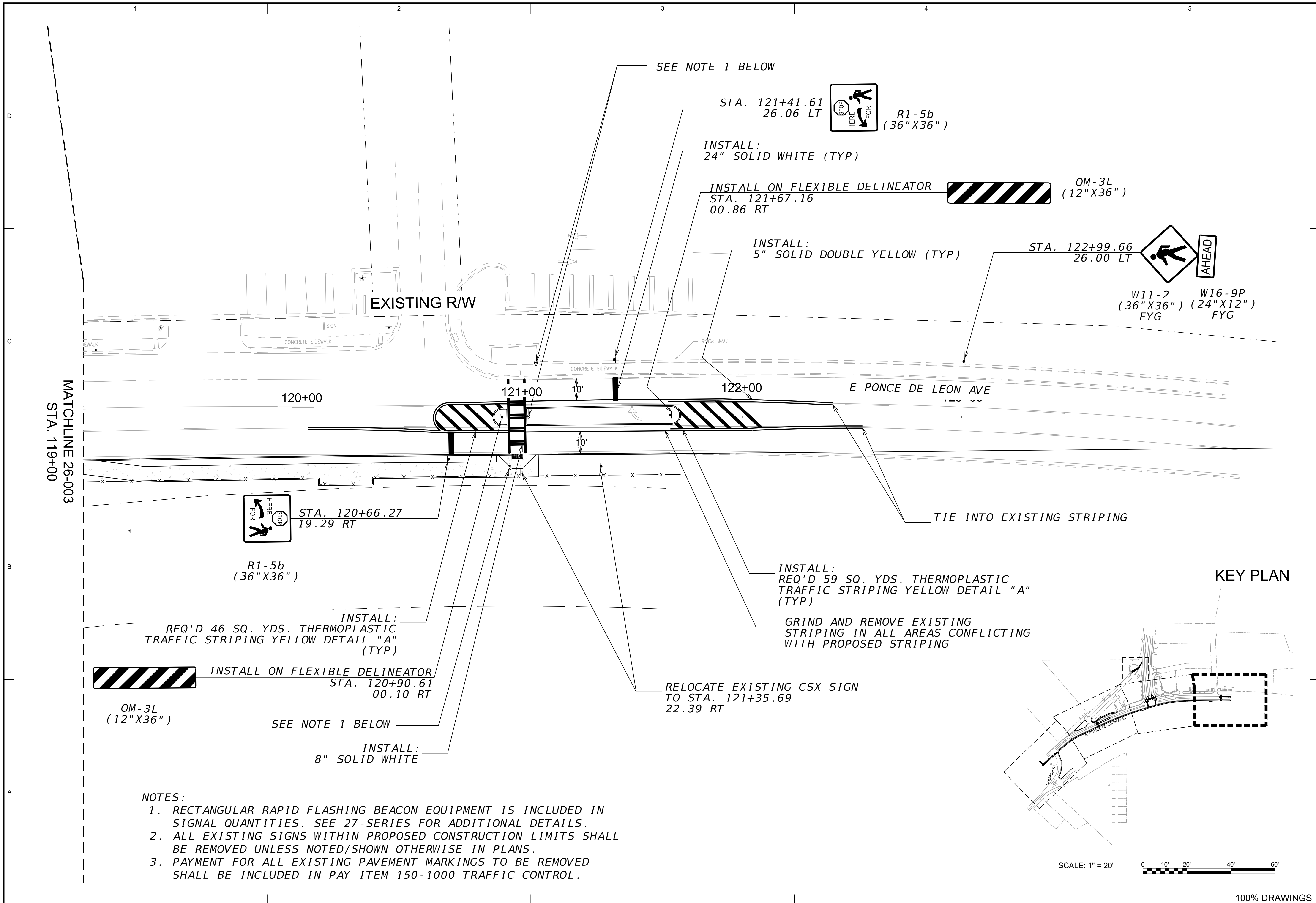
PONCE/CHURCH INTERSECTION

SIGNING AND MARKING PLANS


SHEET IDENTIFICATION NUMBER
26-003

100% DRAWINGS


FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCEXREF_2017_FILES\26 SERIES.DWG PLOTTED BY: NORRIS, MATT



- NOTES:**
1. RECTANGULAR RAPID FLASHING BEACON EQUIPMENT IS INCLUDED IN SIGNAL QUANTITIES. SEE 27-SERIES FOR ADDITIONAL DETAILS.
 2. ALL EXISTING SIGNS WITHIN PROPOSED CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS NOTED/SHOWN OTHERWISE IN PLANS.
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CITY OF CLARKSTON
where possibilities grow



REGISTERED PROFESSIONAL ENGINEER
No. PE42696
02-5-19
GREGORY PLUCETT
SEAL

A	50% PLAN SUBMITTAL	9/13/2018	12/6/2018	DATE	APPR.
B	75% PLAN SUBMITTAL			DATE	APPR.
				MARK	DESCRIPTION

DESIGNED BY: RBJ
DWN BY: SPT
SUBMITTED BY:

DATE: NOV/27/2018
SOLICITATION NO.:
CONTRACT NO.:
FILE NAME: 26 Series.dwg
SIZE: 22' x 34'
PLOT SCALE: 1" = 20'

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane
30026 SUITE 500
Phone 678.338.7740
Fax 678.338.7744
POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION

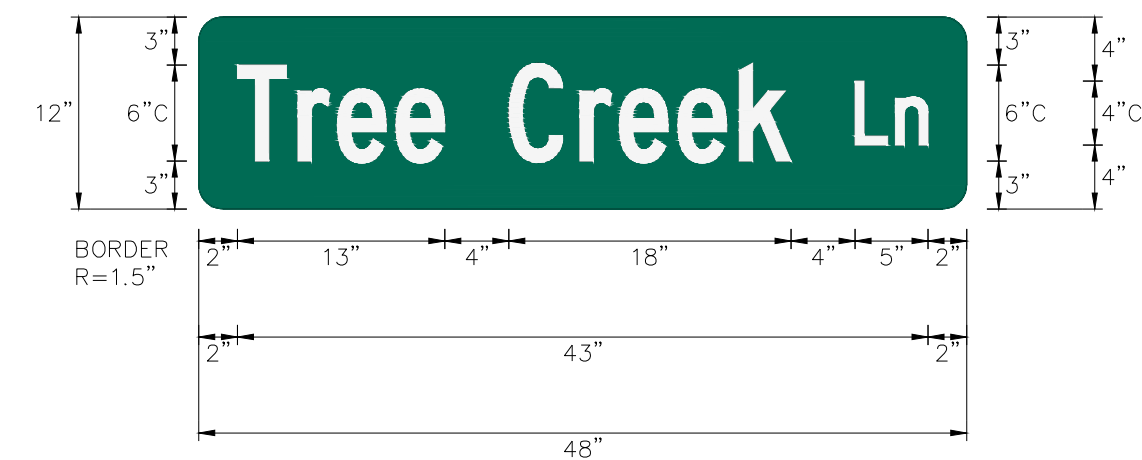
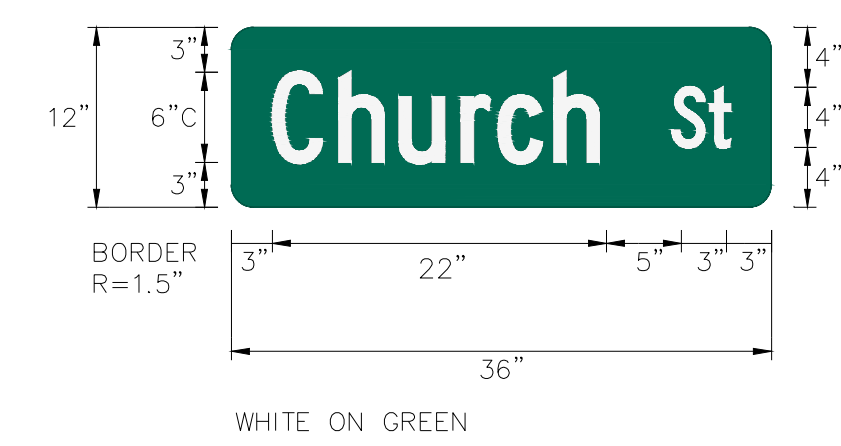
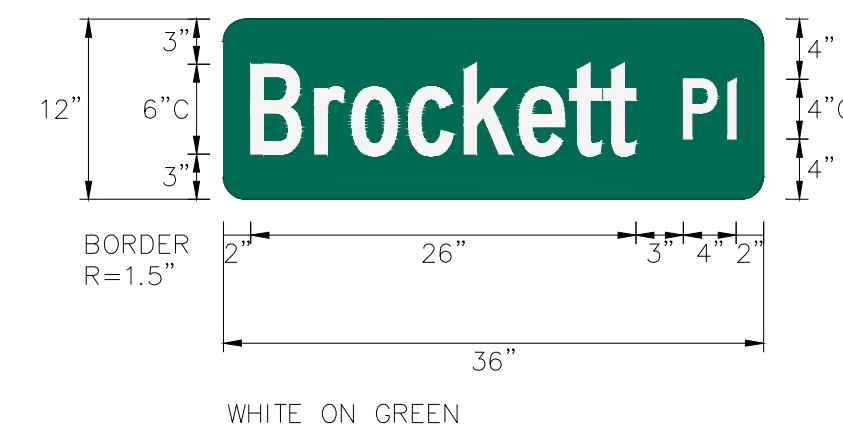
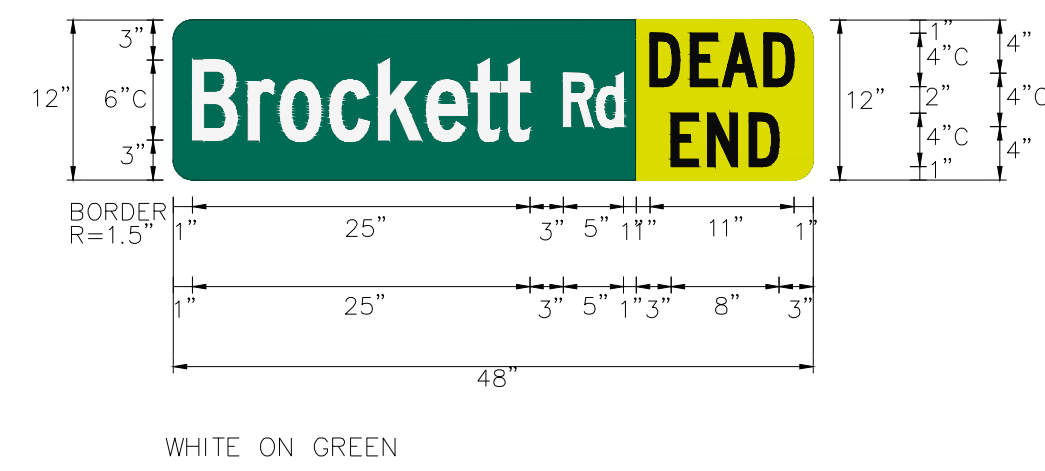
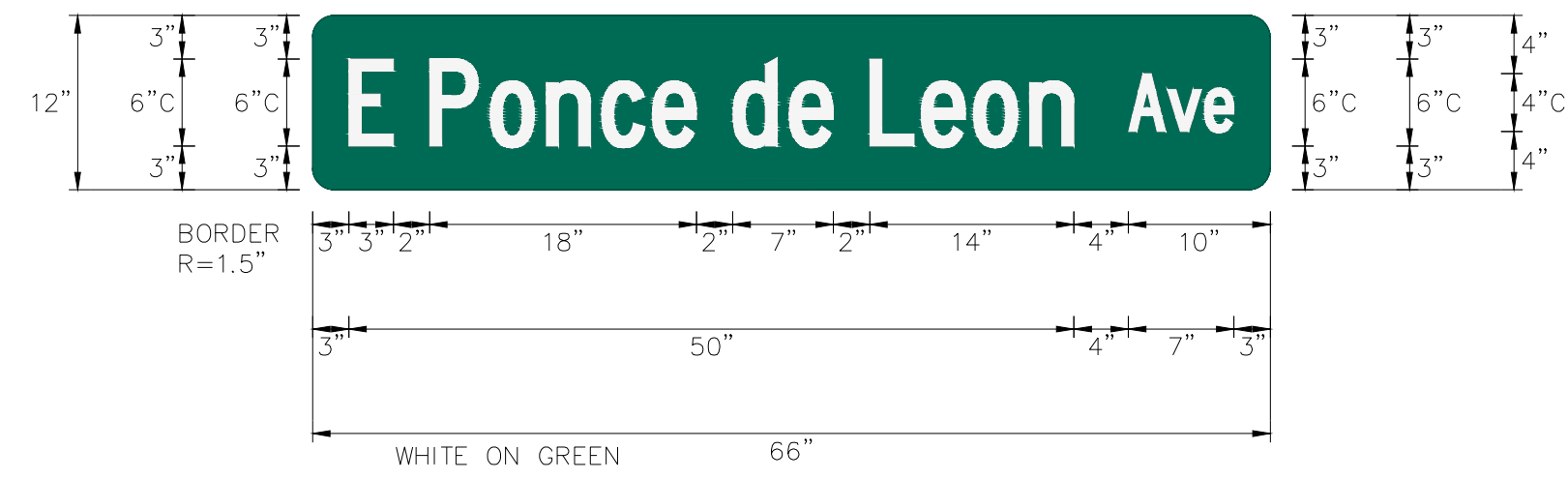
SIGNING AND MARKING PLANS

SHEET IDENTIFICATION NUMBER
26-004

SCALE: 1" = 20'

100% DRAWINGS

POST MOUNTED SIGN DETAILS



Panel Style: D3-1.ssi
M.U.T.C.D.: 2009 Edition



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: RBJ	DATE: 10/27/2018
DWN BY: SPT	SOLICITATION NO.:
SUBMITTED BY:	CONTRACT NO.:
FILE NAME: 26 Series.dwg	FILE NUMBER:
SIZE: 22' x 34'	PLOT DATE: 02/25/2019
	PLOT SCALE: 1" = 11'

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane
Clarkston, GA 30009
Phone 678.398.7740
POND PROJECT No. 1180426 Fax: 678.398.7744

PONCE/CHURCH INTERSECTION
SIGN DETAILS

SHEET IDENTIFICATION NUMBER
26-005

FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: NORRIS, MATT

EXISTING UTILITIES

- EXISTING GUY WIRE
- EX. OH ELECTRIC
- EX POWER POLE
- EX TRANSFORMER
- EX. UG ELECTRIC
- EX GAS LINE
- EX GAS METER
- EX GAS VALVE
- EX WATER LINE
- EX FIRE HYDRANT
- EX WATER METER
- EX WATER VALVE
- EX SANITARY SEWER
- EX SS MANHOLE
- EX TELEPHONE MH
- EX OH TELEPHONE
- EX TELEPHONE POLE
- EX UG TELEPHONE
- EX OH CABLE TV
- EX UG CABLE TV
- EX STORM DRAIN
- EX CATCH BASIN
- EX DROP INLET
- EX SD MANHOLE

EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 5 SECTION HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX, TP 1
- PULLBOX, TP 2
- PULLBOX, TP 4
- PULLBOX, TP 5
- 6x6 CALL LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPOSED SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 3 SECTION HEAD W/ BACKPLATE
- 4 SECTION HEAD
- 4 SECTION HEAD W/ BACKPLATE
- 5 SECTION HEAD
- 5 SECTION HEAD W/ BACKPLATE
- OVERHEAD STREET NAME SIGN
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX, TP 2
- PULLBOX, TP 3
- PULLBOX, TP 4
- PULLBOX, TP 6
- PULLBOX, TP 7
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT (BORED)
- CONDUIT (TRENCHED)
- RAILROAD CONTROLLER
- SIGN POST
- ELECTRICAL SERVICE POINT
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE
- VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)

PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE		END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS		LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES		
EASEMENT FOR CONSTR OF DRIVES		

A	50% PLAN SUBMITTAL	9/13/2018	DATE
B	75% PLAN SUBMITTAL	12/6/2018	DATE
MARK	DESCRIPTION		APPR.

DESIGNED BY: RBJ	DATE: NOV/27/2018	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/25/2019
DWN BY: SPT	CHK BY:	SUBMITTED BY:	FILE NAME: 27 Series.dwg	FILE NUMBER:	PLOT SCALE: 22' x 34' 1:1

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

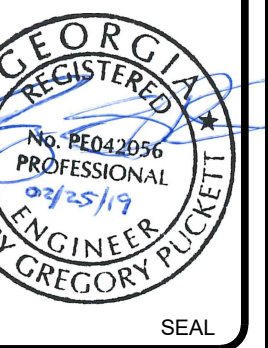
POND
 3000 Parkway Lane GA
 30002 SUITE 500
 Phone 678.387.7740
 POND PROJECT No.1180426 Fax 678.387.7744

PONCE/CHURCH INTERSECTION	SIGNAL PLANS - SIGNAL LEGEND
----------------------------------	-------------------------------------

SHEET IDENTIFICATION NUMBER
27-001

TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.
3. THE CONTRACTOR SHALL LOCATE UNDERGROUND AND OVERHEAD UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS (UP TO 5 FEET, MAXIMUM) IN LOCATION OF NEW SIGNAL POLES ARE ACCEPTABLE TO AVOID UNDERGROUND AND OVERHEAD UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. INSTALLATION OF TRAFFIC SIGNAL AT THIS INTERSECTION IS TO BE CHECKED AND ACCEPTED BY THE CITY OF CLARKSTON TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.
6. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE CITY OF CLARKSTON DEPARTMENT OF PUBLIC WORKS. CONTACT THE DEPARTMENT OF PUBLIC WORKS AT (404) 296-6489.
7. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
8. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN GDOT SPECIFICATIONS.
9. ALL EXISTING STOP BARS, WORDS, ARROWS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS.
10. ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.
11. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED DUE TO CONTRACTOR'S ACTIVITIES.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNALS, DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE THE COST, AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION, IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORILY COMPLETED A TEST PERIOD, 30 DAYS, OF UNINTERRUPTED OPERATION. THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO THE CITY OF CLARKSTON (THE MAINTAINING AGENCY).
14. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE GDOT STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION
15. THERE IS NO KNOWN SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE AS SHOWN IN GA SPECIFICATION 201 TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO CITY OF CLARKSTON



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: RBJ	DATE: NOV/27, 2018
DWN BY: SPT	SOLICITATION NO.:
SUBMITTED BY:	CONTRACT NO.:
FILE NAME: 27_SigPlan.dwg	FILE NUMBER:
SIZE: 22' x 34'	PLOT DATE: 02/25/2019
	PLOT SCALE: 1" = 11'

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

POND

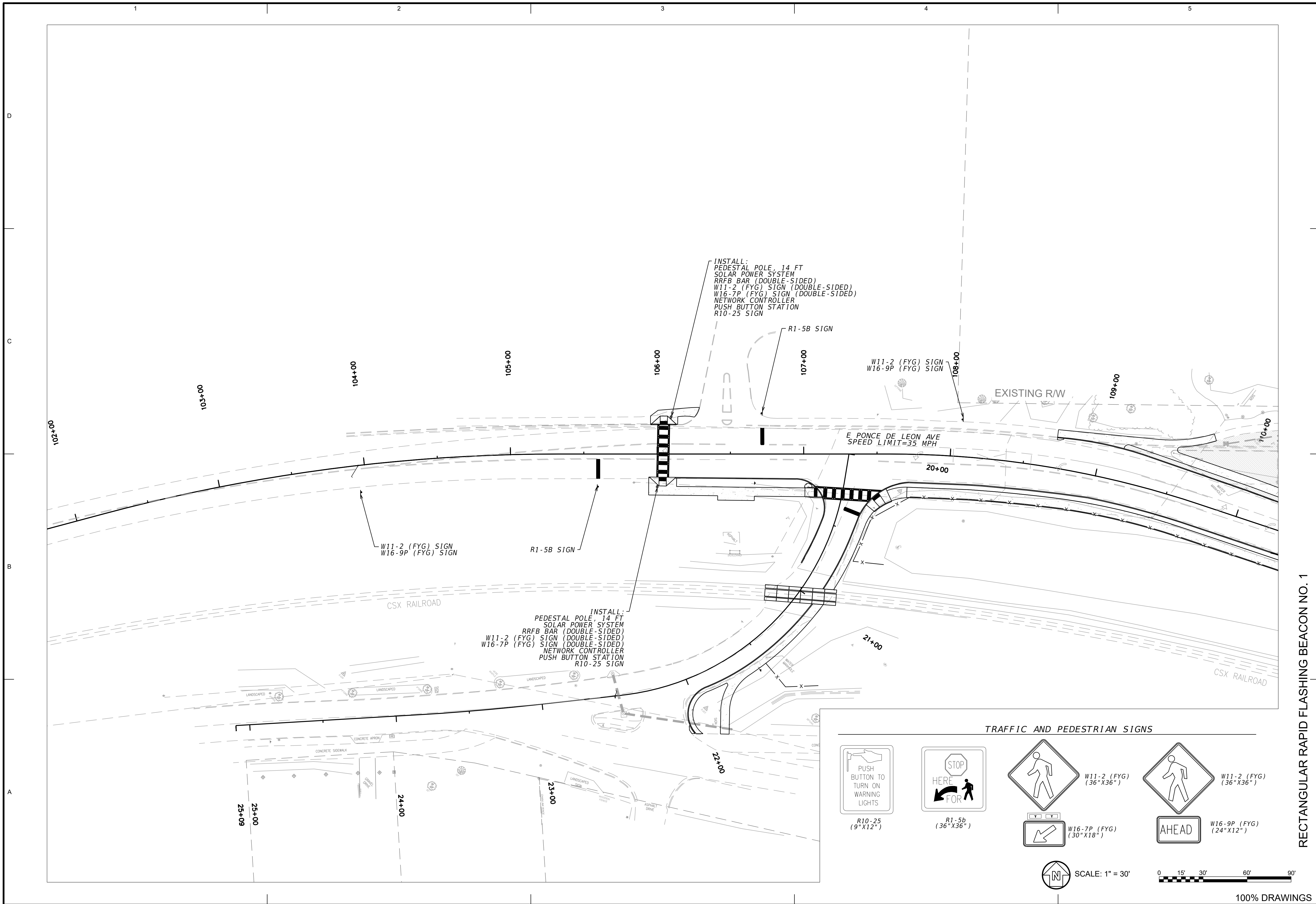
3000 Parkway Lane GA
 30096 SUITE 500
 Phone 678.387.7740
 POND PROJECT No.1180426 Fax: 678.387.7744

PONCE/CHURCH INTERSECTION

SIGNAL PLANS - GENERAL NOTES

SHEET IDENTIFICATION NUMBER
27-002

FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02.CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: NORRIS, MATT



1
2
3
4
5

D
C
B
A

MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: RBJ
DWN BY: SPT
SUBMITTED BY:

DATE: NOV 27, 2018
SOLICITATION NO.:
CONTRACT NO.:
FILE NAME: 27 Series.dwg
SIZE: 22' x 34'
PLOT SCALE: 1" = 30'

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

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

PONCE/CHURCH INTERSECTION

SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-003

SCALE: 1" = 30'

100% DRAWINGS

RECTANGULAR RAPID FLASHING BEACON NO. 1

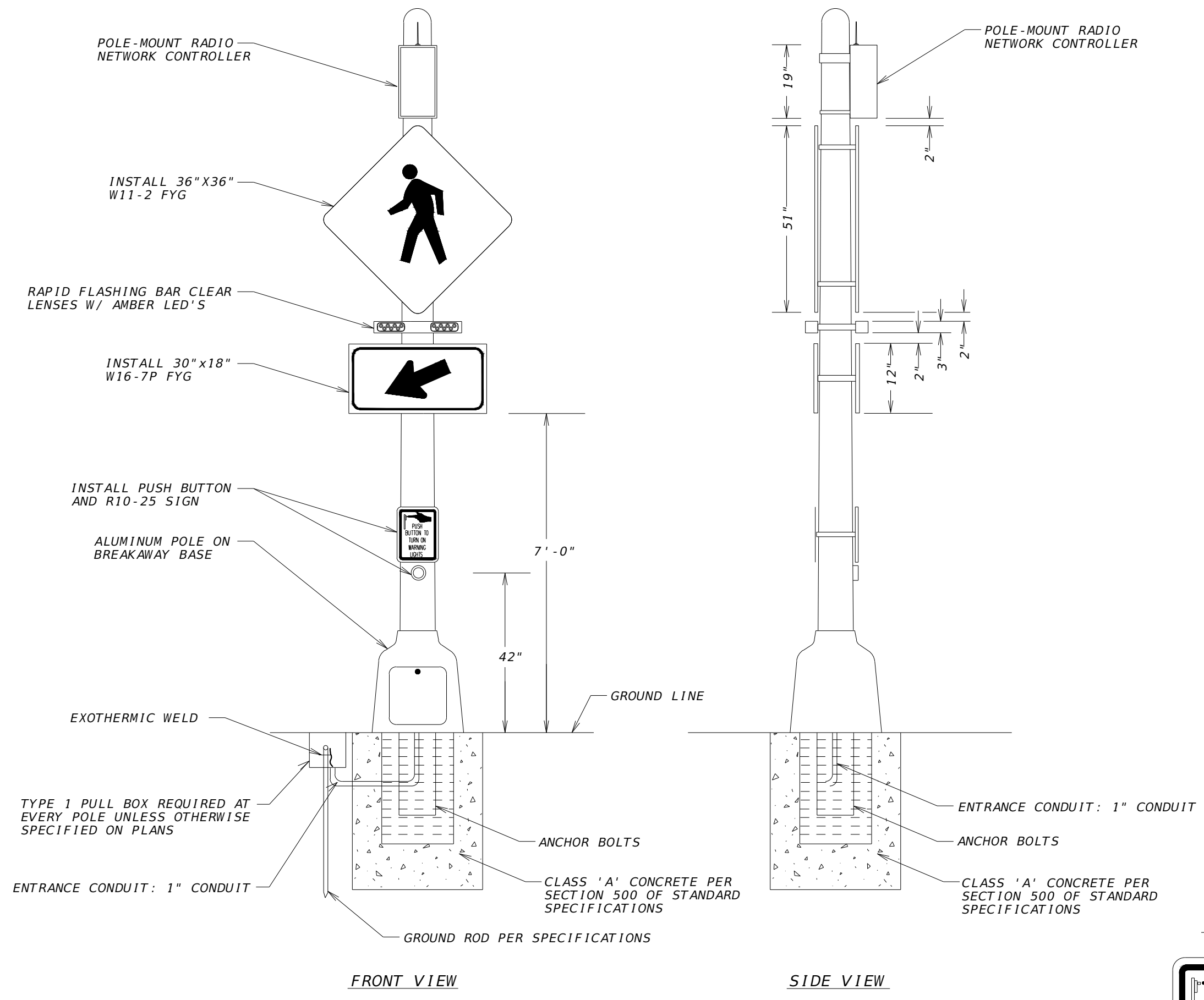
LIST OF MATERIALS - RECTANGULAR RAPID FLASHING BEACON NO. 1

LIST OF MATERIALS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
14' PEDESTAL POLE WITH BREAKAWAY BASE (BLACK POWDER COAT FINISH)	EA	2
PEDESTRIAN PUSH BUTTON STATIONS, W/ BUTTONS AND SIGNS		
1. 9"X12" R10-25	EA	2
PEDESTRIAN PUSH BUTTON STATION ADAPTERS (ONLY)	EA	2
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED WIRELESS RADIO NETWORK CONTROLLER	EA	2
PEDESTRIAN POLE MOUNTED SOLAR PANEL ENERGY SOURCE	EA	2
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	44
999-3800	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 1	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1



RECTANGULAR RAPID FLASHING BEACON SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION
DOUBLE-SIDED

- NOTE:
- LOCATIONS REQUIRING SINGLE SIDED INSTALLATIONS SHALL ONLY INCLUDE ASSOCIATED EQUIPMENT NEEDED FOR SUCH
 - SEE GDOT DETAIL TS-03A (SHEET 40-013) FOR MORE INFORMATION ON THE POLE FOUNDATION.

SUMMARY OF QUANTITIES
RECTANGULAR RAPID FLASHING BEACON NO. 1

DESIGNED BY: RBJ
DATE: NOV 27, 2018
DWN BY: SPT
CHK BY:
SUBMITTED BY:
FILE NAME: 27_SigPlan.dwg
SIZE: 22' x 34'
PLOT SCALE: 1:1

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

3000 Parkway Lane
30092 SUITE 500
Phone 678.398.7740
Fax 678.398.7744

CONTRACT NO.:
PLOT NUMBER:
PLOT DATE: 02/25/2019

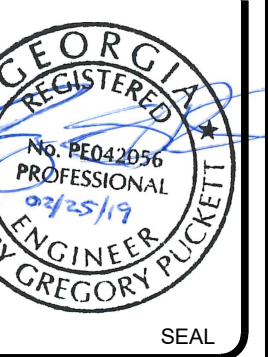
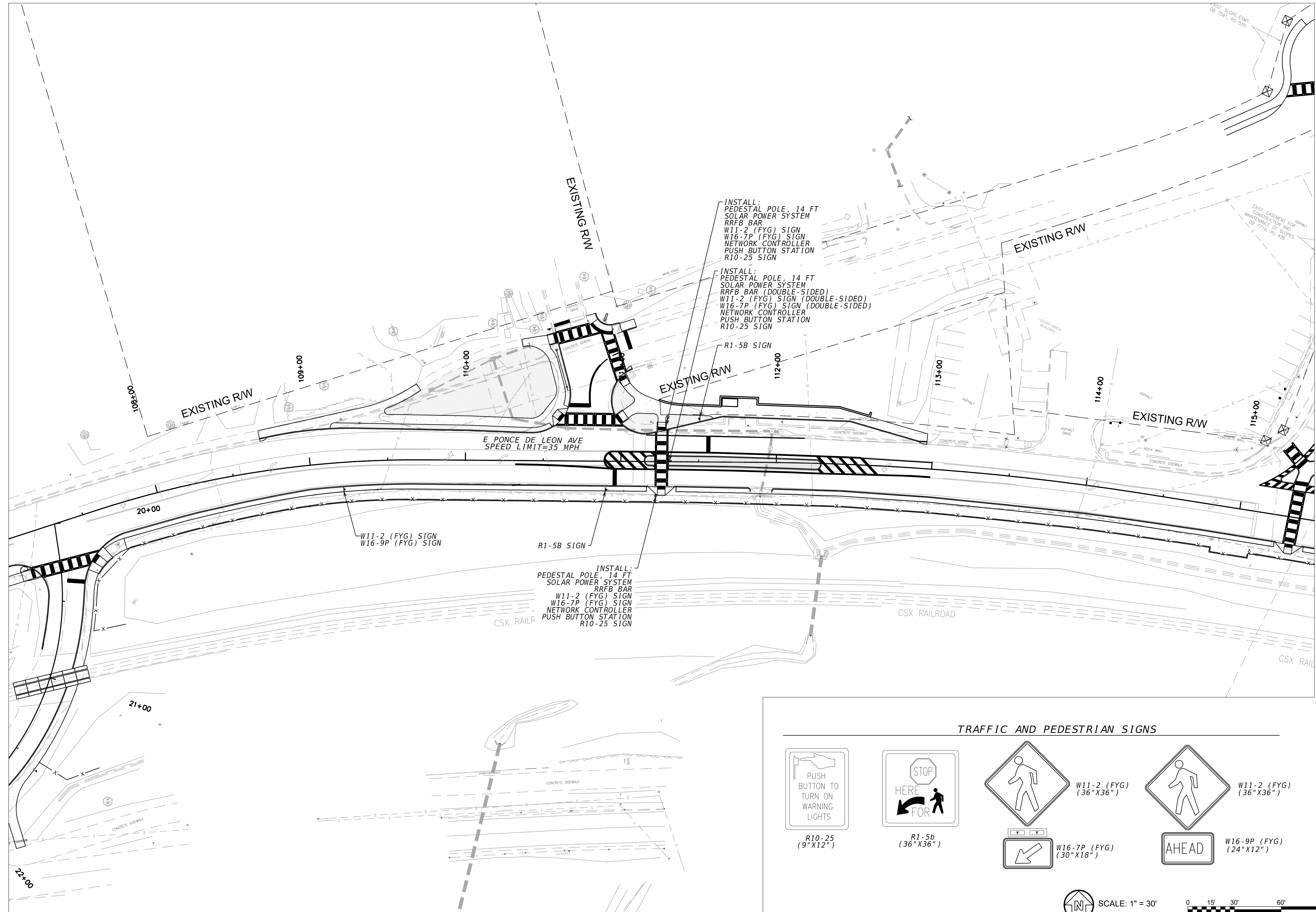
POND PROJECT No. 1180426

POND

PONCE/CHURCH INTERSECTION
SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-004

FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: NORRIS, MATT



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: RBJ	DATE: NOV 27, 2018	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	FILE DATE: 02/26/2019
DWN BY: SPT	CHK BY:	SUBMITTED BY:	FILE NAME: 27 Series.dwg	SIZE: 22' X 34'	PLOT SCALE: 1" = 11'

CITY OF CLARKSTON
SPLIST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane GA
30056 SUITE 506
Phone 678.387.7740
POND PROJECT No. 1180426 Fax 678.387.7744

PONCE/CHURCH INTERSECTION
SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-005

RECTANGULAR RAPID FLASHING BEACON NO. 2



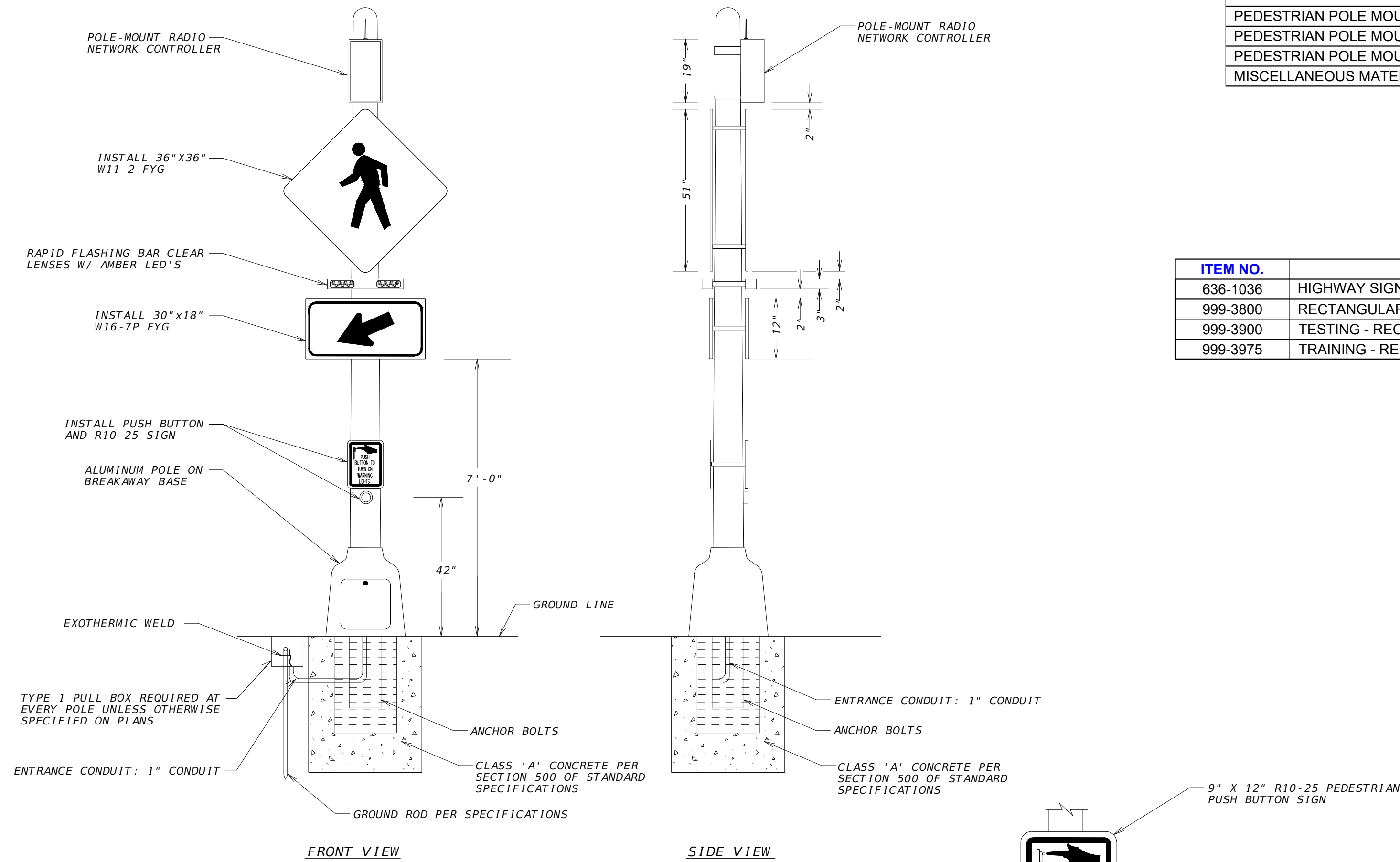
LIST OF MATERIALS - RECTANGULAR RAPID FLASHING BEACON NO. 2

LIST OF MATERIALS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
14' PEDESTAL POLE WITH BREAKAWAY BASE (BLACK POWDER COAT FINISH)	EA	3
PEDESTRIAN PUSH BUTTON STATIONS, W/ BUTTONS AND SIGNS		
1. 9"X12" R10-25	EA	4
PEDESTRIAN PUSH BUTTON STATION ADAPTERS (ONLY)	EA	4
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED WIRELESS RADIO NETWORK CONTROLLER	EA	3
PEDESTRIAN POLE MOUNTED SOLAR PANEL ENERGY SOURCE	EA	3
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	44
999-3800	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 2	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1



RECTANGULAR RAPID FLASHING BEACON SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION
DOUBLE-SIDED

- NOTE:
- LOCATIONS REQUIRING SINGLE SIDED INSTALLATIONS SHALL ONLY INCLUDE ASSOCIATED EQUIPMENT NEEDED FOR SUCH
 - SEE GDOT DETAIL TS-03A (SHEET 40-013) FOR MORE INFORMATION ON THE POLE FOUNDATION.

SUMMARY OF QUANTITIES
RECTANGULAR RAPID FLASHING BEACON NO. 2

CITY OF CLARKSTON
SPLIST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

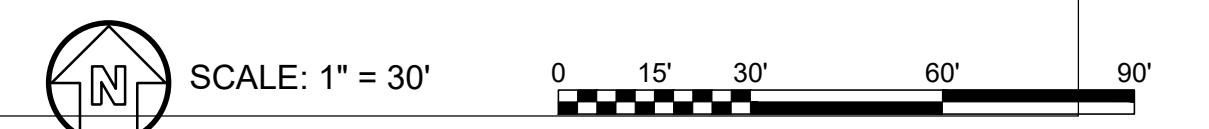
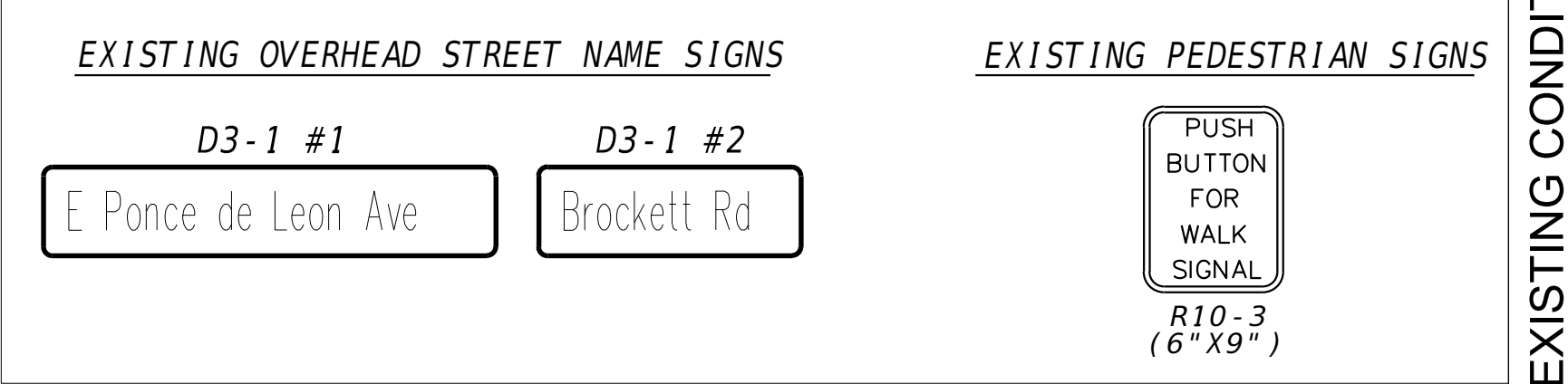
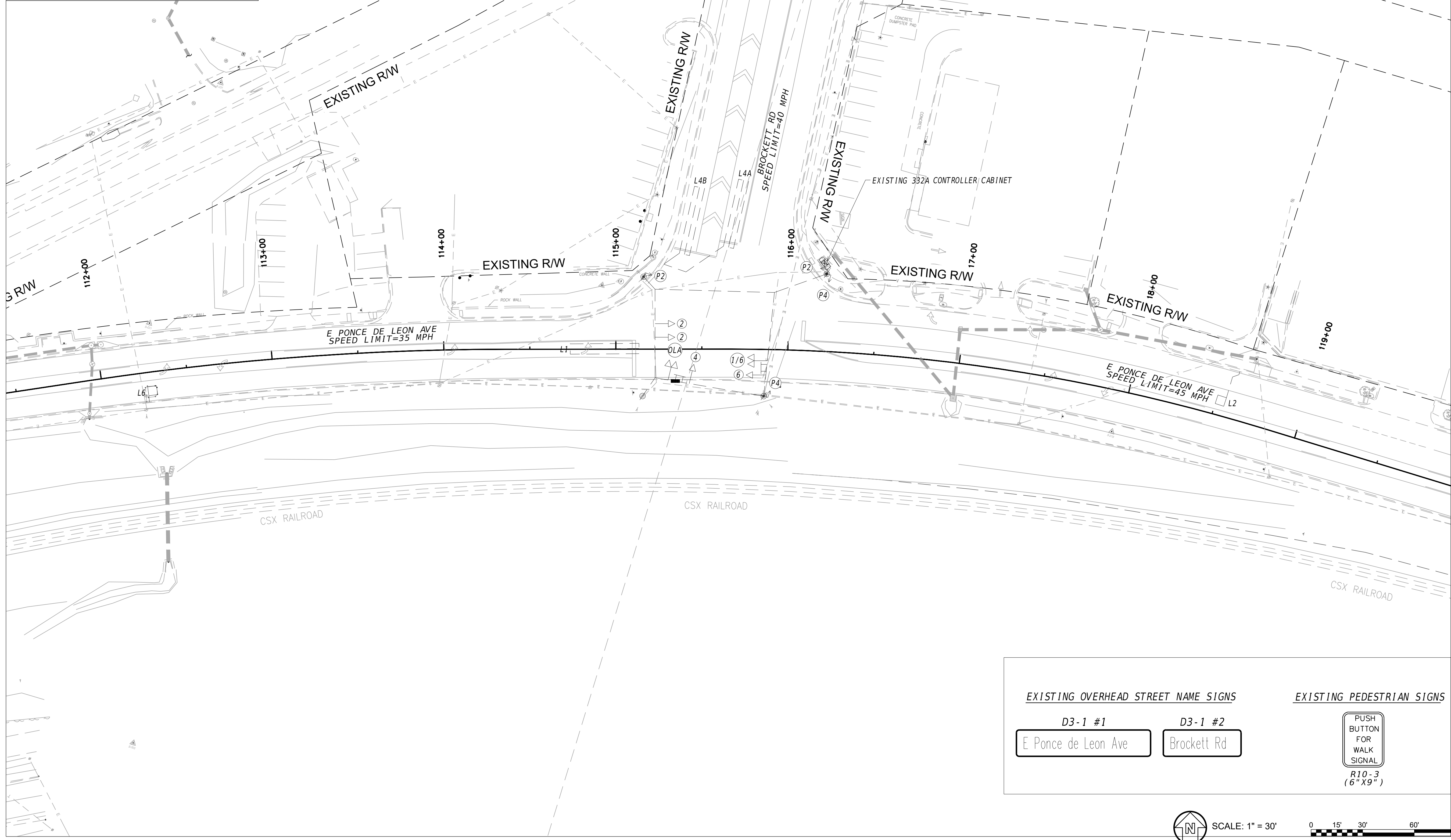
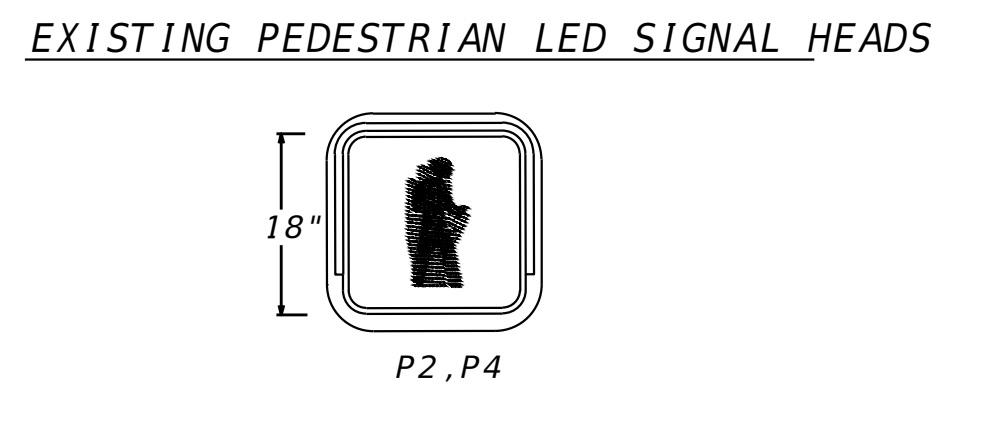
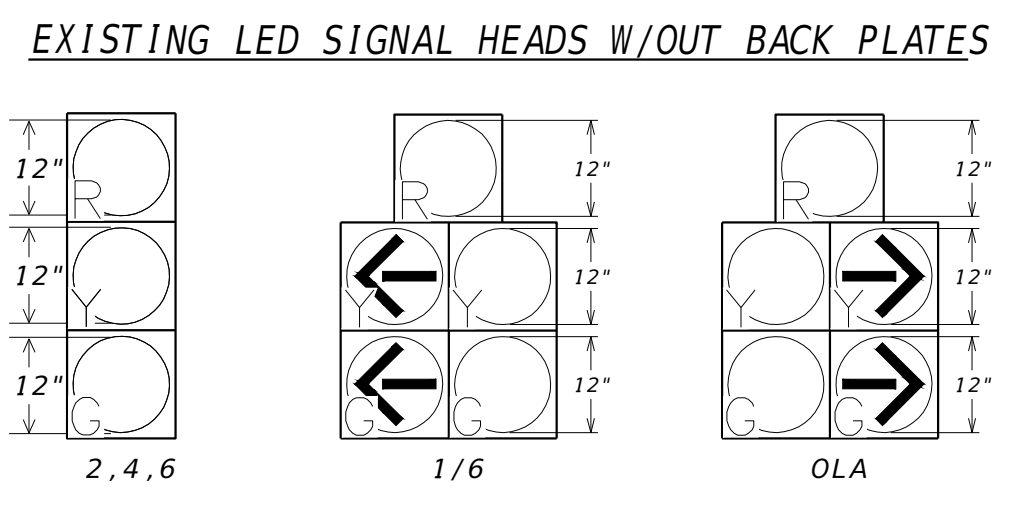
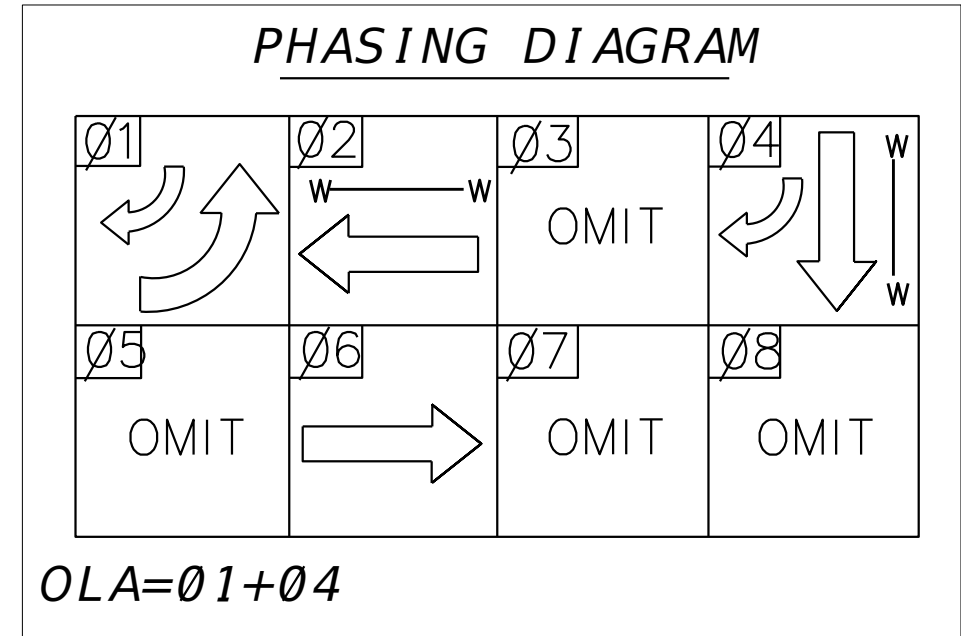
3000 Parkway Lane
30092 SUITE 500
Phone 678.387.7740
Fax 678.387.7744

PONCE/CHURCH INTERSECTION

SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-006

FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: NORRIS, MATT



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: RBJ	DATE: NOV 27, 2018	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	FILE DATE:
DWN BY: SPT	CHK BY:			27 Series.dwg	02/25/2019
SUBMITTED BY:				27 Series.dwg	
				SIZE: 22" X 34"	PLOT SCALE: 1" = 30'

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

POND
 3000 Parkway Lane
 30006 SUITE 500
 Phone 678.338.7740
 POND PROJECT No. 1180426 Fax: 678.338.7744

PONCE/CHURCH INTERSECTION
SIGNAL PLANS

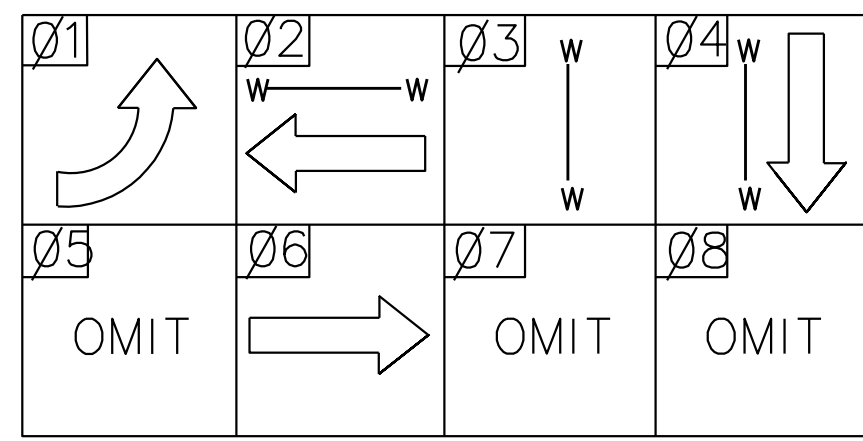
SHEET IDENTIFICATION NUMBER
27-007

EXISTING CONDITIONS
E PONCE DE LEON AVENUE AT BROCKETT ROAD

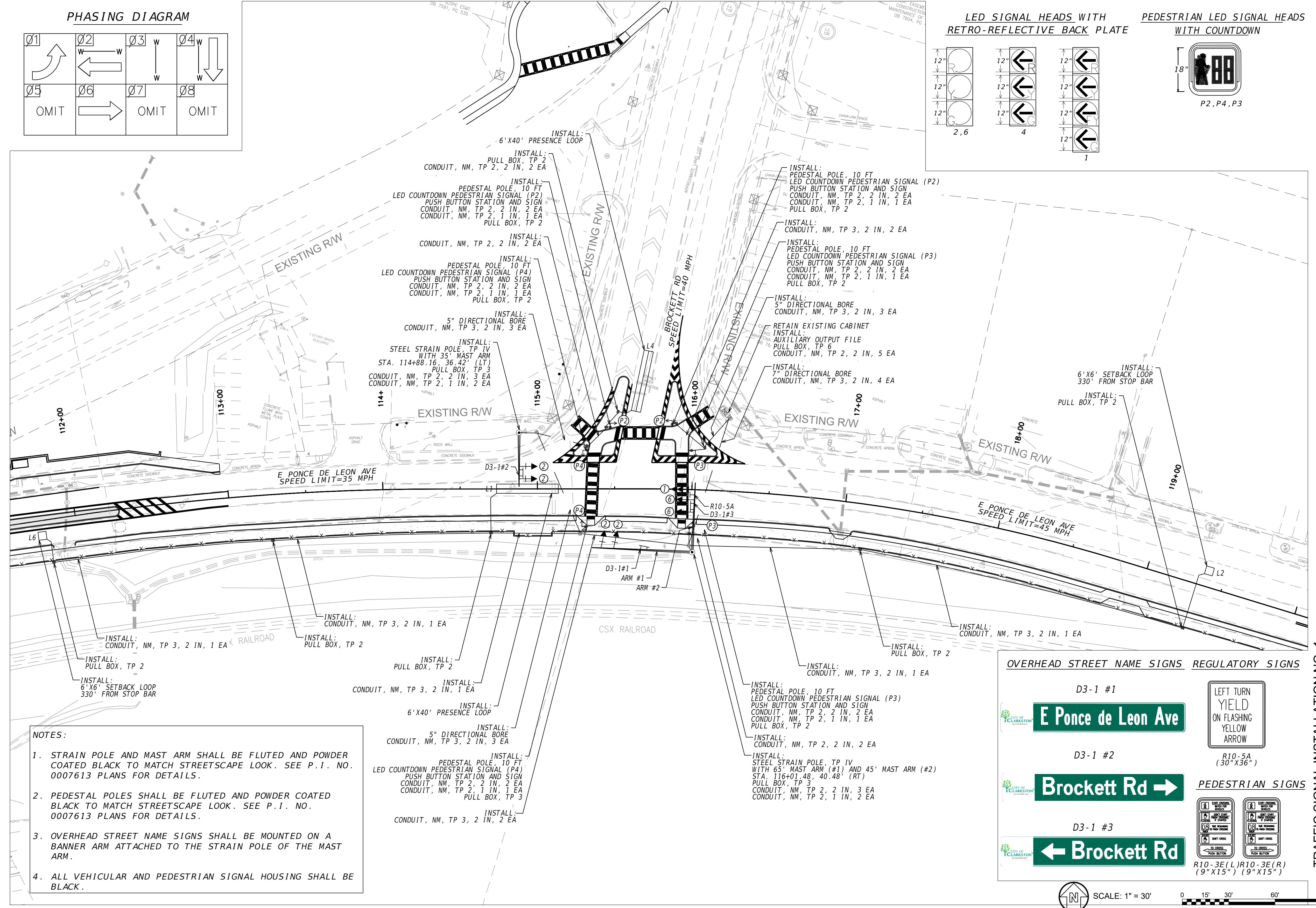
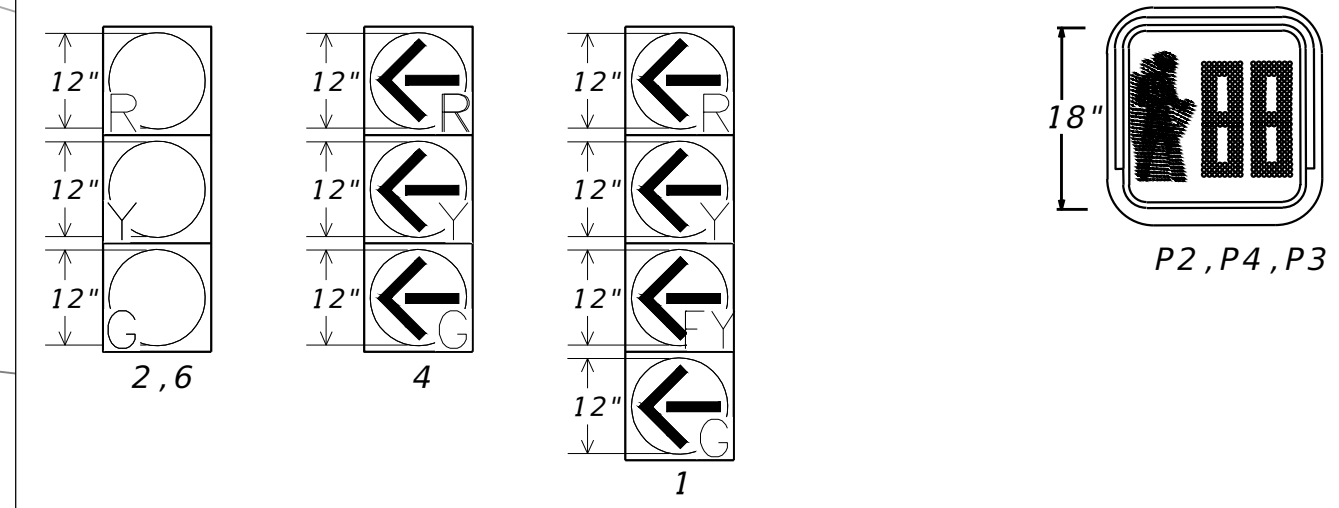
100% DRAWINGS

FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: NORRIS, MATT

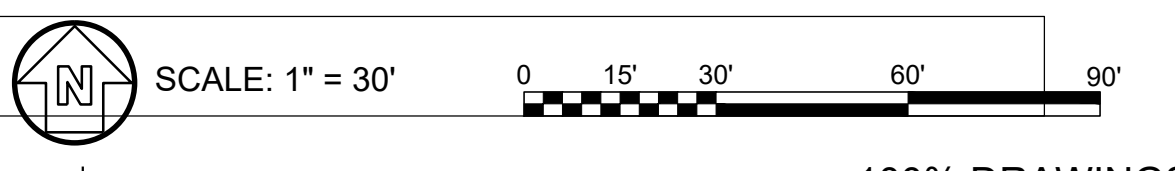
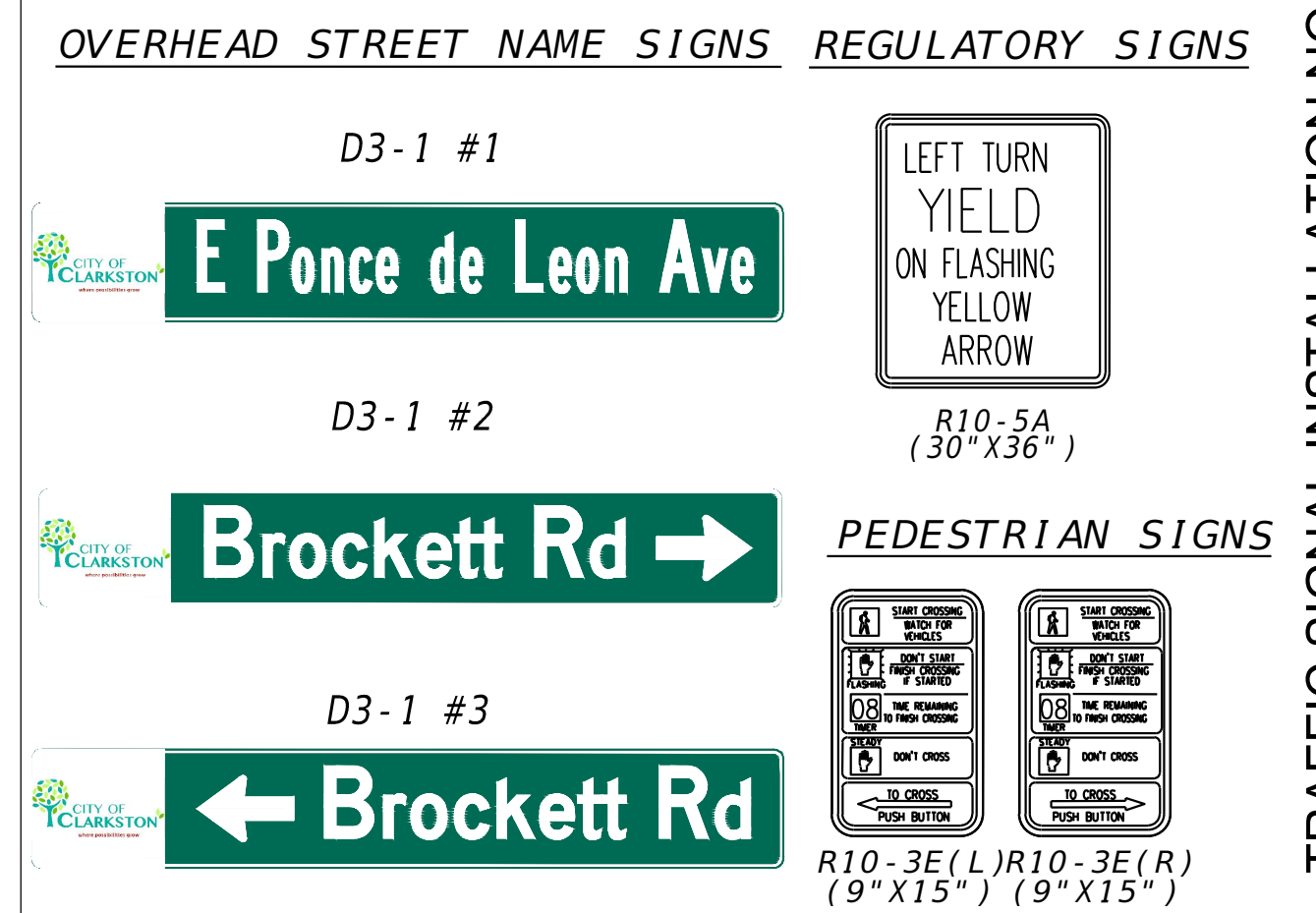
PHASING DIAGRAM



LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACK PLATE **PEDESTRIAN LED SIGNAL HEADS WITH COUNTDOWN**



- NOTES:**
1. STRAIN POLE AND MAST ARM SHALL BE FLUTED AND POWDER COATED BLACK TO MATCH STREETSCAPE LOOK. SEE P.I. NO. 0007613 PLANS FOR DETAILS.
 2. PEDESTAL POLES SHALL BE FLUTED AND POWDER COATED BLACK TO MATCH STREETSCAPE LOOK. SEE P.I. NO. 0007613 PLANS FOR DETAILS.
 3. OVERHEAD STREET NAME SIGNS SHALL BE MOUNTED ON A BANNER ARM ATTACHED TO THE STRAIN POLE OF THE MAST ARM.
 4. ALL VEHICULAR AND PEDESTRIAN SIGNAL HOUSING SHALL BE BLACK.



DESIGNED BY: RBJ	DATE: NOV 27, 2018	50% PLAN SUBMITTAL	9/13/2018	APPR.
DWN BY: SPT	SOLICITATION NO.:	75% PLAN SUBMITTAL	12/16/2018	DATE
SUBMITTED BY:	CONTRACT NO.:			DESCRIPTION
FILE NAME: 27 Series.dwg	FILE NUMBER:			MARK
SIZE: 22" x 34"	PLOT SCALE: 1" = 30'			
	PLOT DATE: 02/25/2019			

CITY OF CLARKSTON
 SPLIT/STREET PROJECT D -
 PONCE/CHURCH INTERSECTION

POND
 3000 Parkway Lane, Clarkston, GA 30006, SUITE 500
 Phone 678.388.7740 Fax 678.388.7744
 POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION

SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-008

100% DRAWINGS

LIST OF MATERIALS

LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION

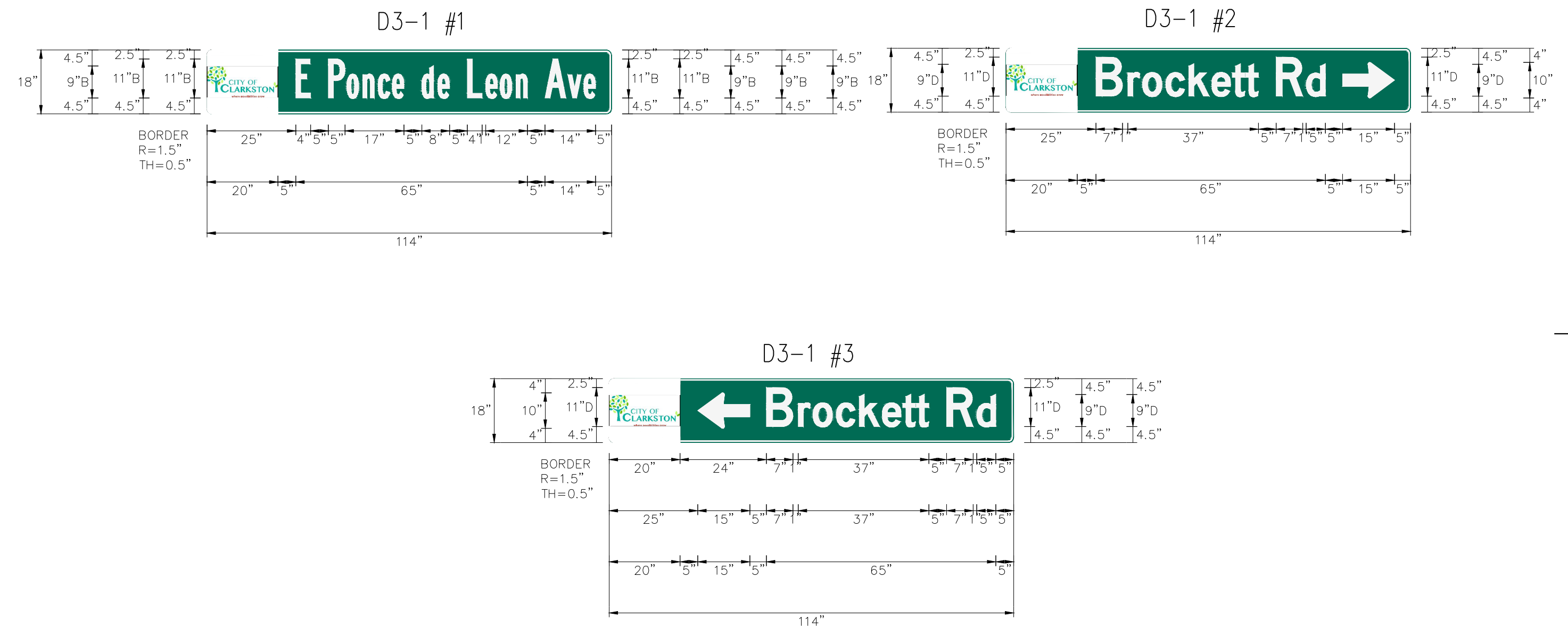
LIST OF MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
M. AUXILIARY OUTPUT FILE	EA	1
LOOP/PEDESTAL LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG	REEL	3
SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	2
SIGNAL CABLE (14 AWG); 10 CONDUCTOR, PER 1000 FT.	REEL	1
LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	1
3-SECTION, 12" SIGNAL HEAD LED -, YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	6
4-SECTION, 12" SIGNAL HEAD LED -, YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	1
1-SECTION, 16"x18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP (9" HIGH NUMBER & 12" SYMBOLS) YELLOW HOUSING	EA	6
PEDESTRIAN PUSH BUTTON STATION, W/ BUTTON AND SIGN: 9"x15", R10-3EL, COUNTDOWN	EA	3
PEDESTRIAN PUSH BUTTON STATION, W/ BUTTON AND SIGN: 9"x15", R10-3ER, COUNTDOWN	EA	3
BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	6
BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	1
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	6
PEDESTAL POLE & SQUARE BASE	EA	6
PULL BOX, PB-2	EA	11
PULL BOX, PB-3	EA	3
PULL BOX, PB-6	EA	1
LOOP SAW CUT	LF	545
CONDUIT, 1"	LF	95
CONDUIT, 2"	LF	170
R10-5A, LEFT TURN YIELD ON FLASHING YELLOW SIGN	EA	1
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

615-1100	DIRECTIONAL BORE PIPE - 5 IN	LF	140
615-1101	DIRECTIONAL BORE PIPE - 7 IN	LF	95
639-3004	STEEL STRAIN POLE, TP IV (W/35 FT MAST ARM)	EA	1
639-3004	STEEL STRAIN POLE, TP IV (W/65 FT MAST ARM & W/45 FT MAST ARM)	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LUMP SUM	1
647-3000	INTERNALLY ILLUMINATED STREET SIGN	EA	3
647-3100	INTERNALLY ILLUMINATED STREET SIGN CONTROL ASSEMBLY	EA	3
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	1730

D3-1 OVERHEAD STREET NAME SIGN DETAILS

REFER TO SHEET 40-017 FOR DETAILS ON INTERNALLY ILLUMINATED STREET NAME SIGN MOUNTING.



332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
------	---	---	---	---	---	---	---	---	---	----	----	----	----	----

UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION	L1	L2				L4						Ø2 PED	Ø4 PED	FLASH SENSE
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C

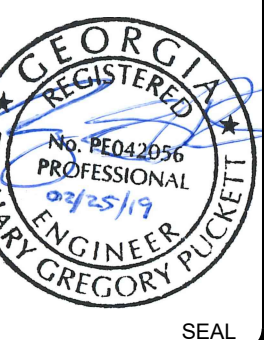
CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION												Ø3 PED		STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION		L6												
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12

CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION														
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

SUMMARY OF QUANTITIES
TRAFFIC SIGNAL INSTALLATION NO. 1



DESIGNED BY: RBJ	DATE: NOV 27, 2018
DWN BY: SPT	SUBMITTED BY: 27 Series.dwg
FILE NAME: 27 Series.dwg	FILE NUMBER: 02/25/2019
SIZE: 22' x 34'	PLOT SCALE: 1" = 11'

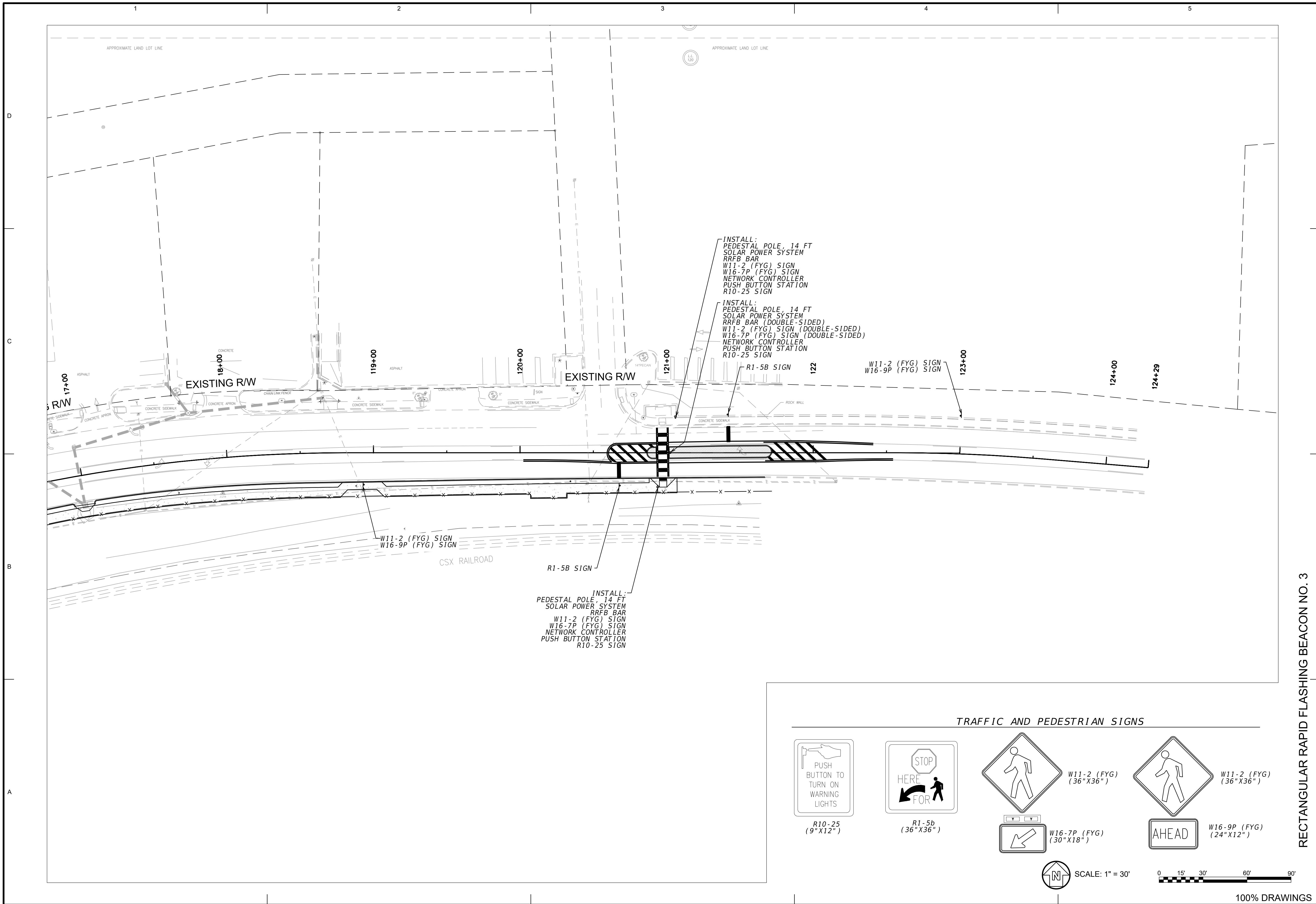
50% PLAN SUBMITTAL	9/13/2018
75% PLAN SUBMITTAL	12/6/2018

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION
POND
3000 Parkway Lane
Clarkston, GA 30006
Phone 678.338.7740
Fax 678.338.7744
POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-009

FILE PATH: X:\FY19\1190154\04_CAD_BIM\04.02_CAD\CHURCH & PONCEXREF_2017_FILES\27 SERIES.DWG PLOTTED BY: NORRIS, MATT



TRAFFIC AND PEDESTRIAN SIGNS

R10-25
(9" X 12")

R1-5b
(36" X 36")

W16-7P (FYG)
(30" X 18")

W11-2 (FYG)
(36" X 36")

W16-9P (FYG)
(24" X 12")

SCALE: 1" = 30'

MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: RBJ DATE: NOV/27, 2018

DWN BY: SPT SOLICITATION NO.:

SUBMITTED BY: CONTRACT NO.:

FILE NAME: 27 Series.dwg FILE NUMBER:

SIZE: 22' x 34' PLOT SCALE: 1" = 11' PLOT DATE: 02/25/2019

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane, Suite 500
Clarkston, GA 30026
Phone: 678.338.7740 Fax: 678.338.7744
POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION

SIGNAL PLANS

SHEET IDENTIFICATION NUMBER

27-010

RECTANGULAR RAPID FLASHING BEACON NO. 3

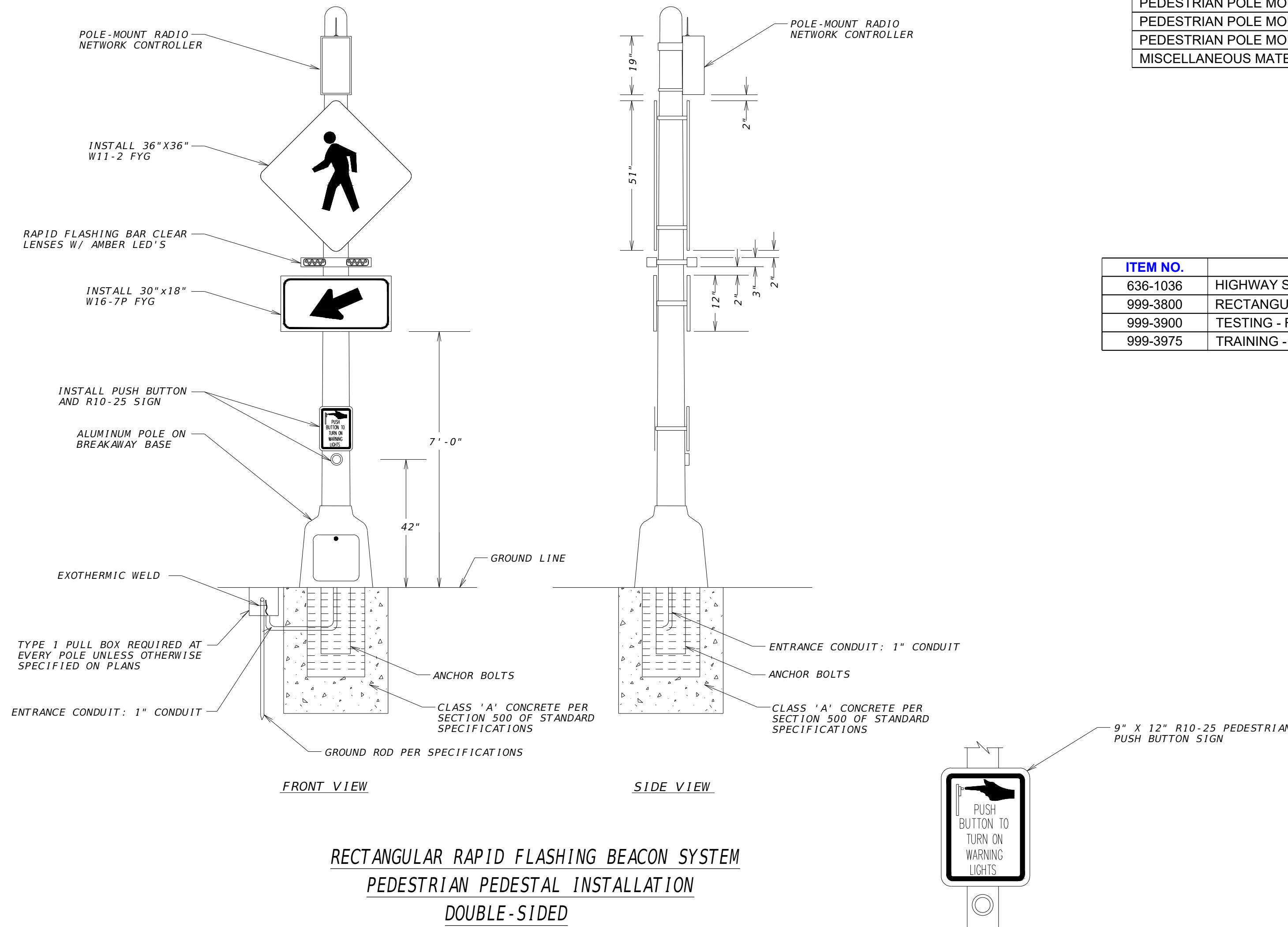
LIST OF MATERIALS - RECTANGULAR RAPID FLASHING BEACON NO. 3

LIST OF MATERIALS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
14' PEDESTAL POLE WITH BREAKAWAY BASE (BLACK POWDER COAT FINISH)	EA	3
PEDESTRIAN PUSH BUTTON STATIONS, W/ BUTTONS AND SIGNS		
1.9"X12" R10-25	EA	4
PEDESTRIAN PUSH BUTTON STATION ADAPTERS (ONLY)	EA	4
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED WIRELESS RADIO NETWORK CONTROLLER	EA	3
PEDESTRIAN POLE MOUNTED SOLAR PANEL ENERGY SOURCE	EA	3
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	44
999-3800	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 3	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1



NOTE:

- LOCATIONS REQUIRING SINGLE SIDED INSTALLATIONS SHALL ONLY INCLUDE ASSOCIATED EQUIPMENT NEEDED FOR SUCH
- SEE GDOT DETAIL TS-03A (SHEET 40-013) FOR MORE INFORMATION ON THE POLE FOUNDATION.

SUMMARY OF QUANTITIES
RECTANGULAR RAPID FLASHING BEACON NO. 3

DATE	DESCRIPTION	MARK	DATE	APPR.
9/13/2018				
12/6/2018				

DESIGNED BY: RBJ
DWN BY: SPT
CHK BY:
SUBMITTED BY:

DATE: NOV 27, 2018
SOLICITATION NO.:
CONTRACT NO.:

FILE NAME: 27_Signal.dwg
FILE NUMBER:
SIZE: 22' x 34'
PLOT SCALE: 1:1

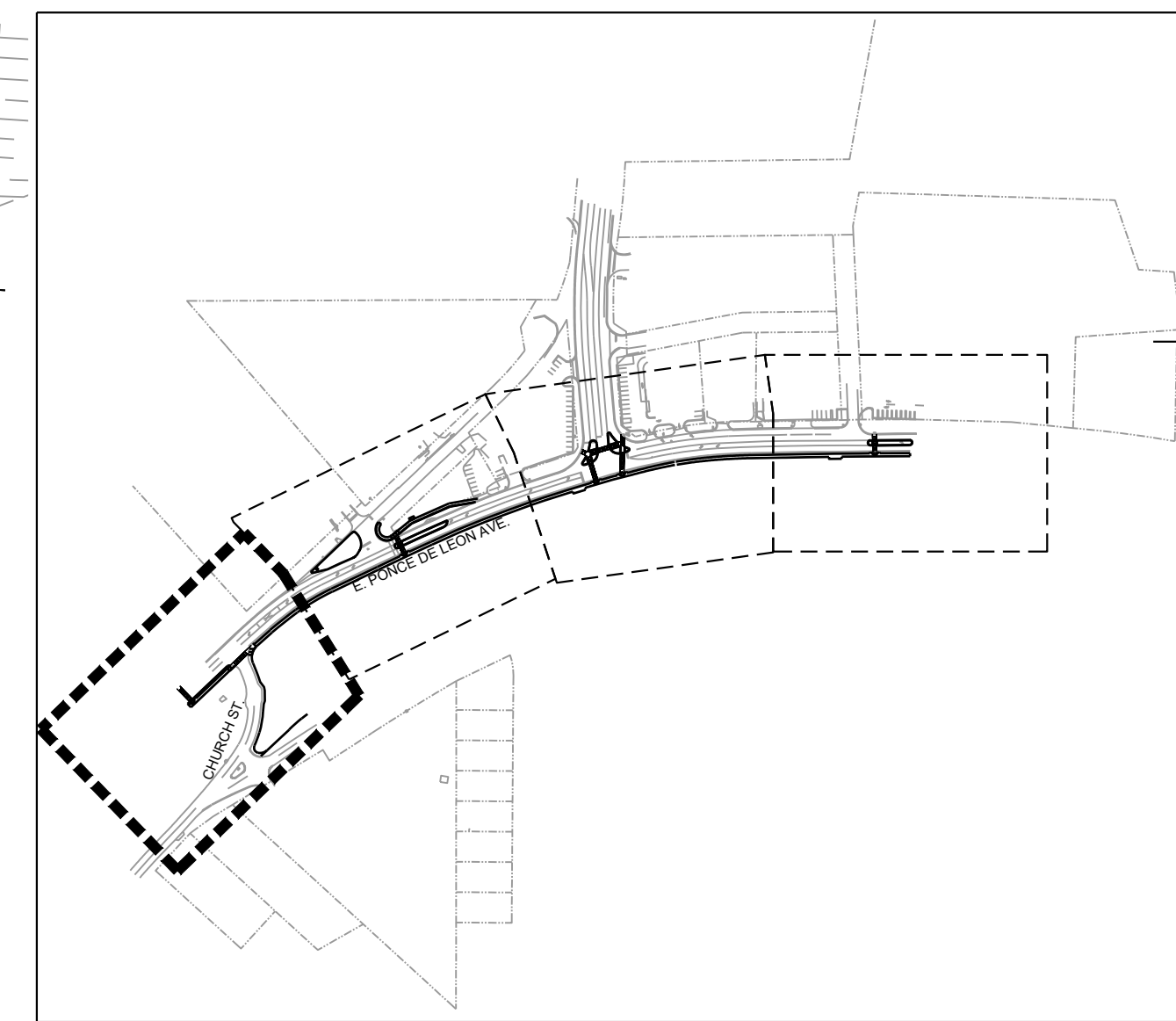
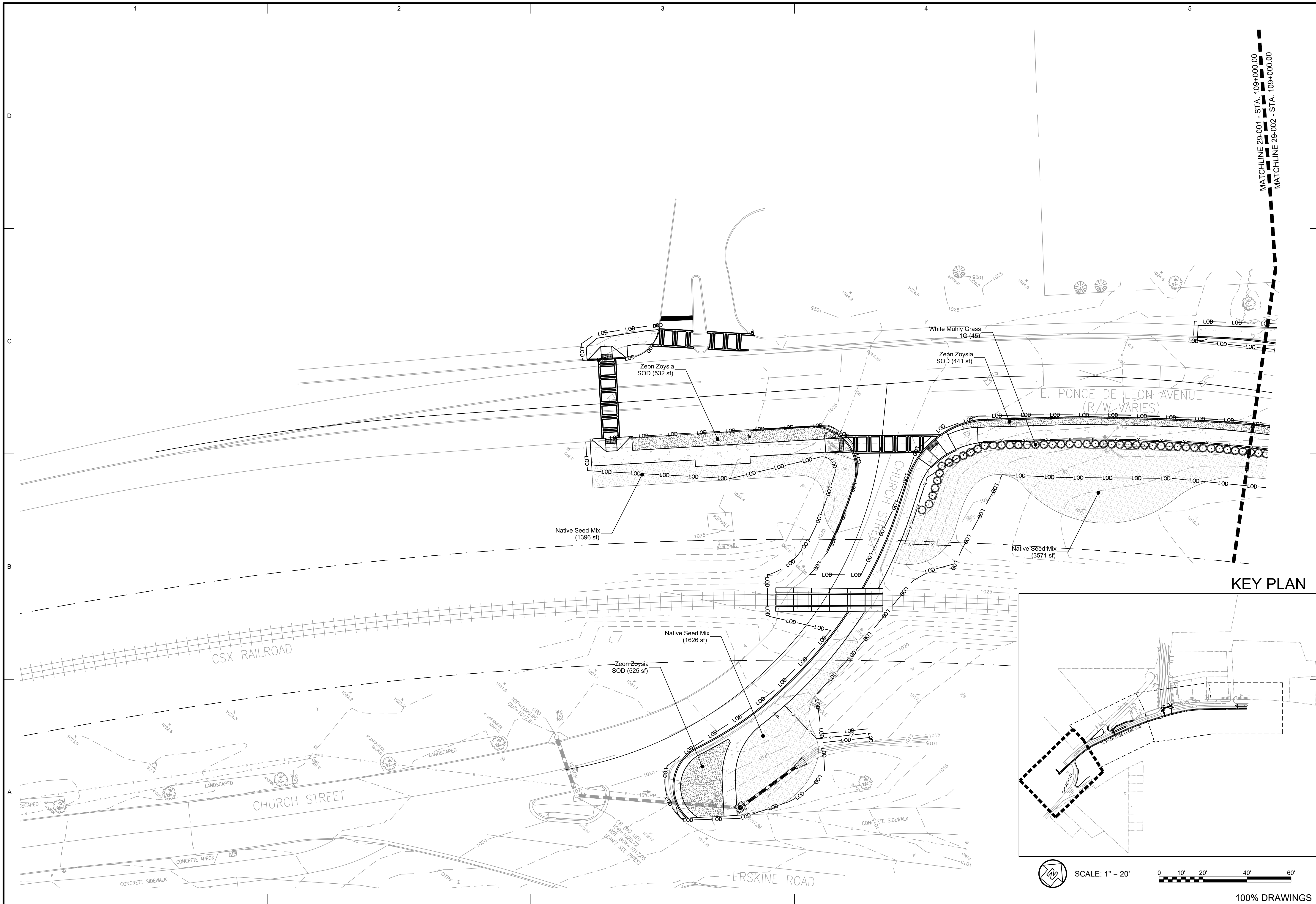
CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane
30006 SUITE 500
Phone 678.398.7740
Fax 678.398.7744
POND PROJECT No.1180426

PONCE/CHURCH INTERSECTION
SIGNAL PLANS

SHEET IDENTIFICATION NUMBER
27-011

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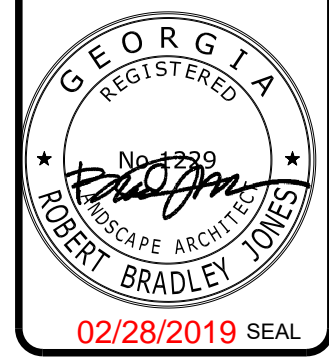


SCALE: 1" = 20'

0 10' 20' 40' 60'

100% DRAWINGS

MATCHLINE 29-001 - STA. 109+000.00
 MATCHLINE 29-002 - STA. 109+000.00



MARK	DESCRIPTION	DATE	APPR.
A	100% SUBMITTAL	1/31/2019	

DESIGNED BY: RBJ	DATE: 2/22/2019
DRAWN BY: SPT	SOLICITATION NO.: 22222019
SUBMITTED BY: TN	CONTRACT NO.:
FILE NAME: 29-001.dwg	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE: 1" = 11'
	PLOT DATE: 02/26/2019

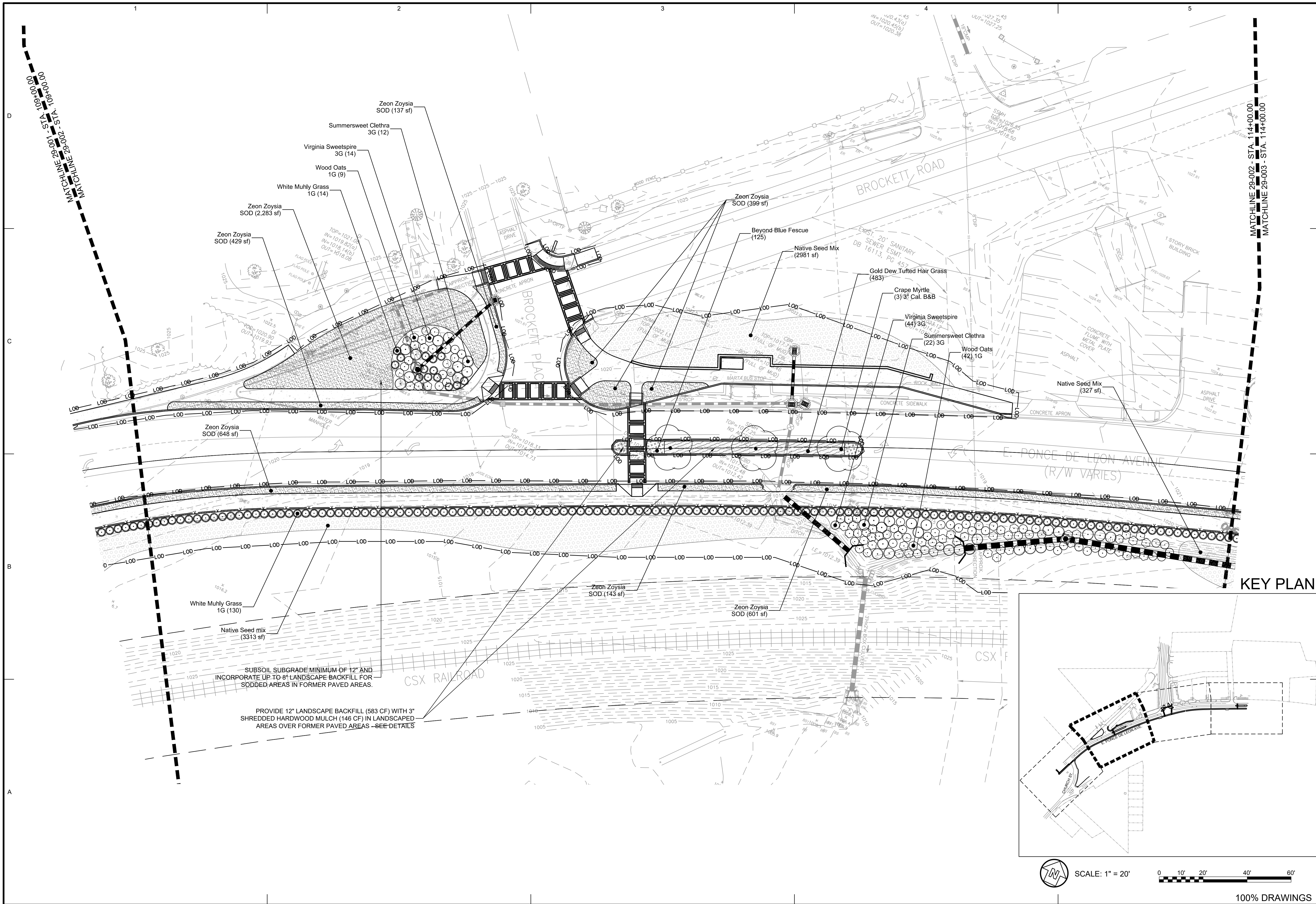
CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

POND
 3000 Parkway Lane GA
 30092 SUITE 500
 Phone 678.338.7740
 POND PROJECT No.1190154 Fax 678.338.7744

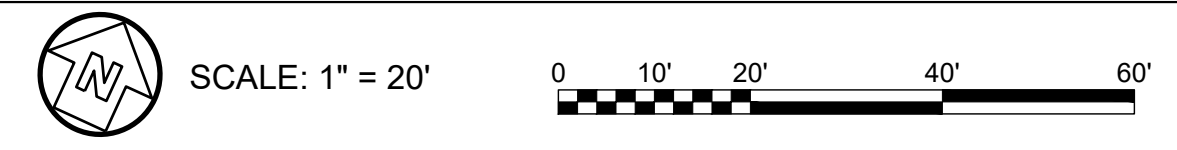
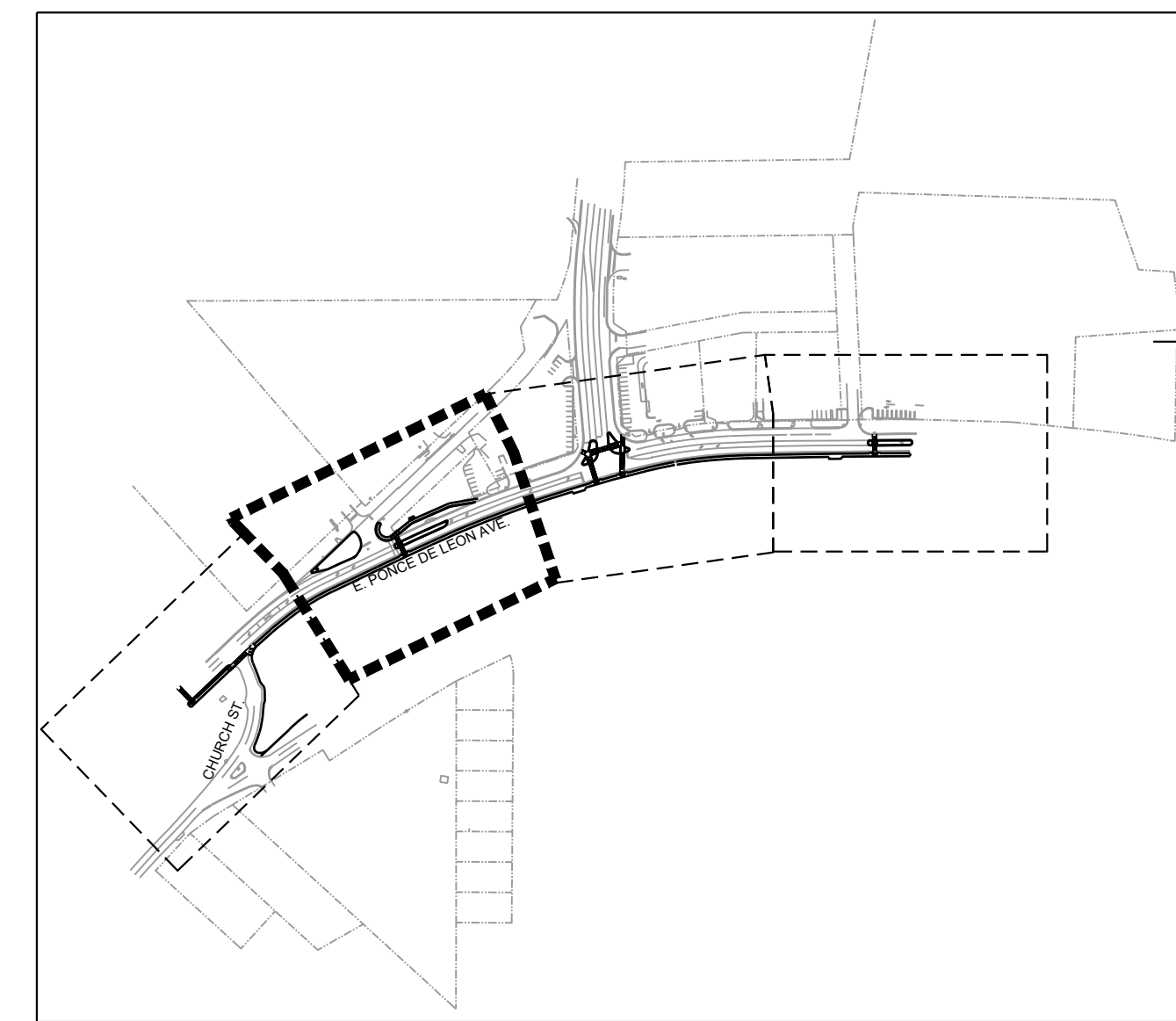
PONCE/CHURCH SIDEWALKS
 LANDSCAPE PLAN

SHEET IDENTIFICATION NUMBER
 29-001

FILE PATH: \S\WITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\29-001.DWG PLOTTED BY: THOMPSON, SYDNEY



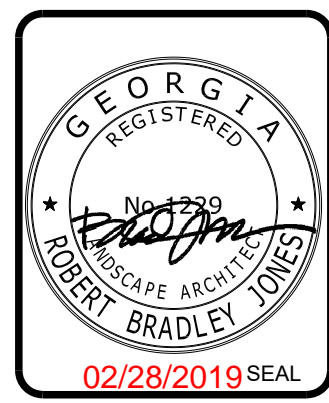
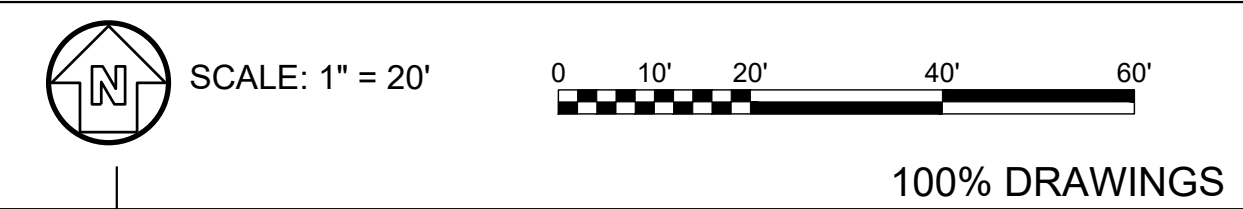
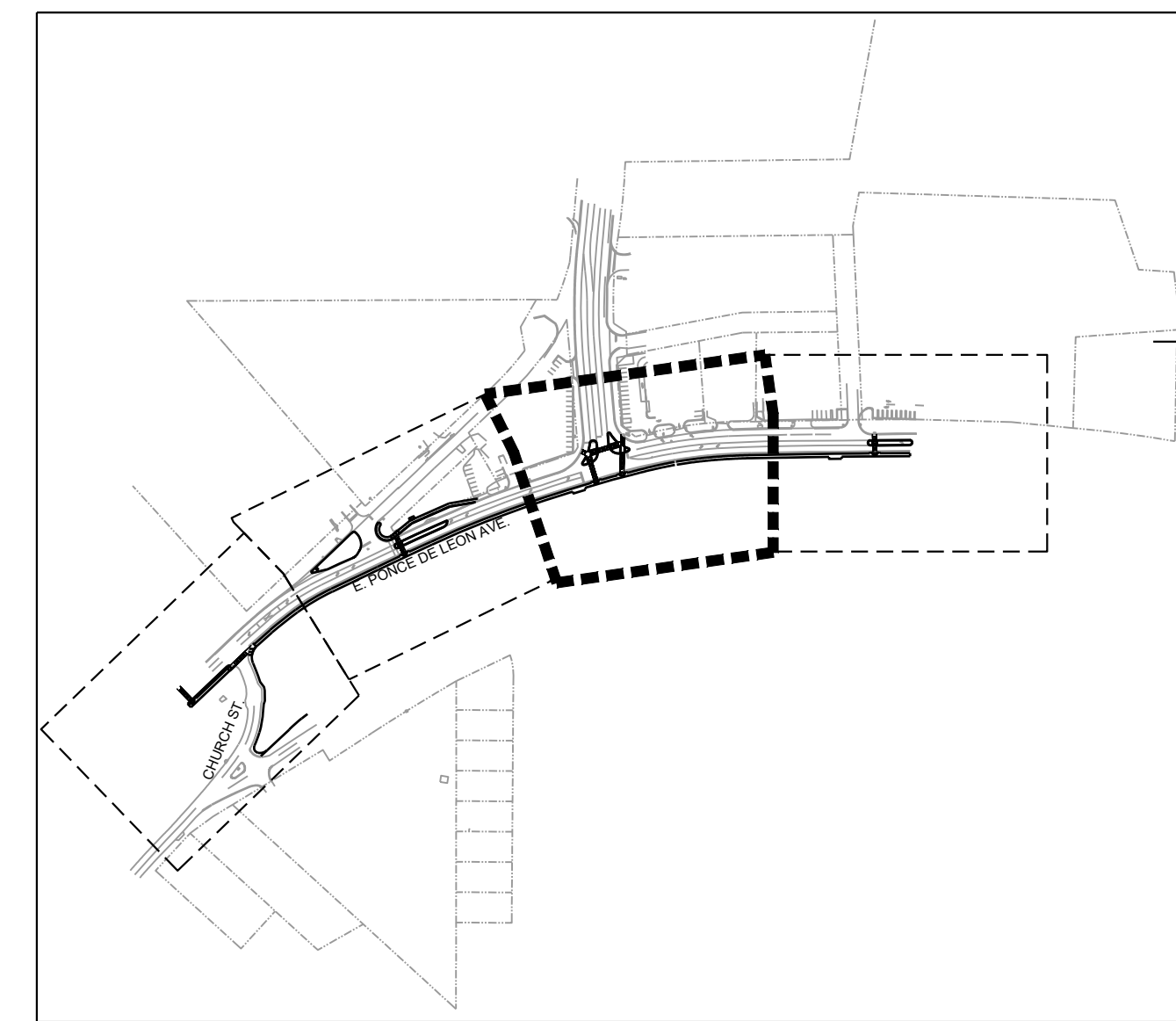
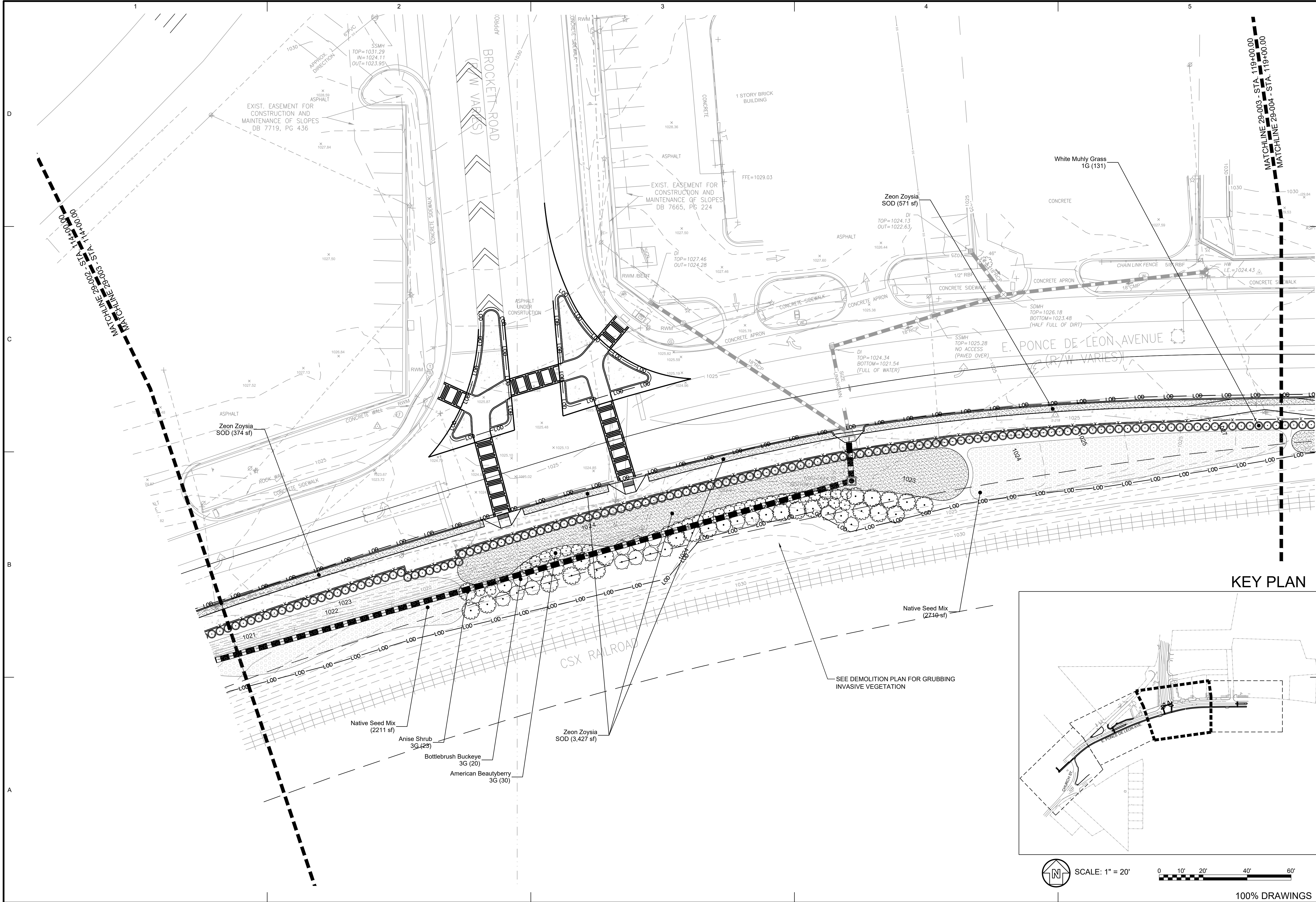
KEY PLAN



100% DRAWINGS

100% SUBMITTAL 10/12/2019	DATE 02/28/2019
DESIGNED BY: RBJ DATE: 2/22/2019 DWN BY: SPT CHK BY: TN SUBMITTED BY:	SOLICITATION NO.: CONTRACT NO.: FILE NUMBER: PLOT DATE:
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 LANDSCAPE PLAN	SHEET IDENTIFICATION NUMBER 29-002

FILE PATH: N:\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE/29-001.DWG PLOTTED BY: THOMPSON, SYDNEY



10/12/2019	100% SUBMITTAL	DATE	APPR.
		MARK	DESCRIPTION

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:
DWN BY: SPT	CHK BY: TN	FILE NAME:	FILE NUMBER:
SUBMITTED BY:	29-001.DWG	SIZE:	PLOT DATE:
		22" x 34"	02/28/2019
			PLOT SCALE: 1" = 20'

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

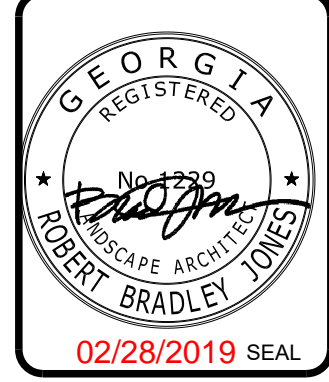
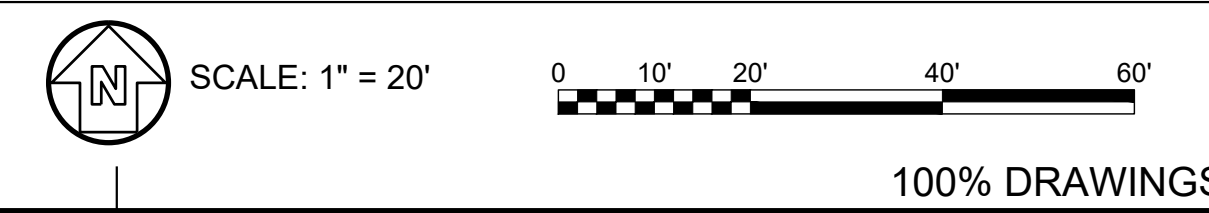
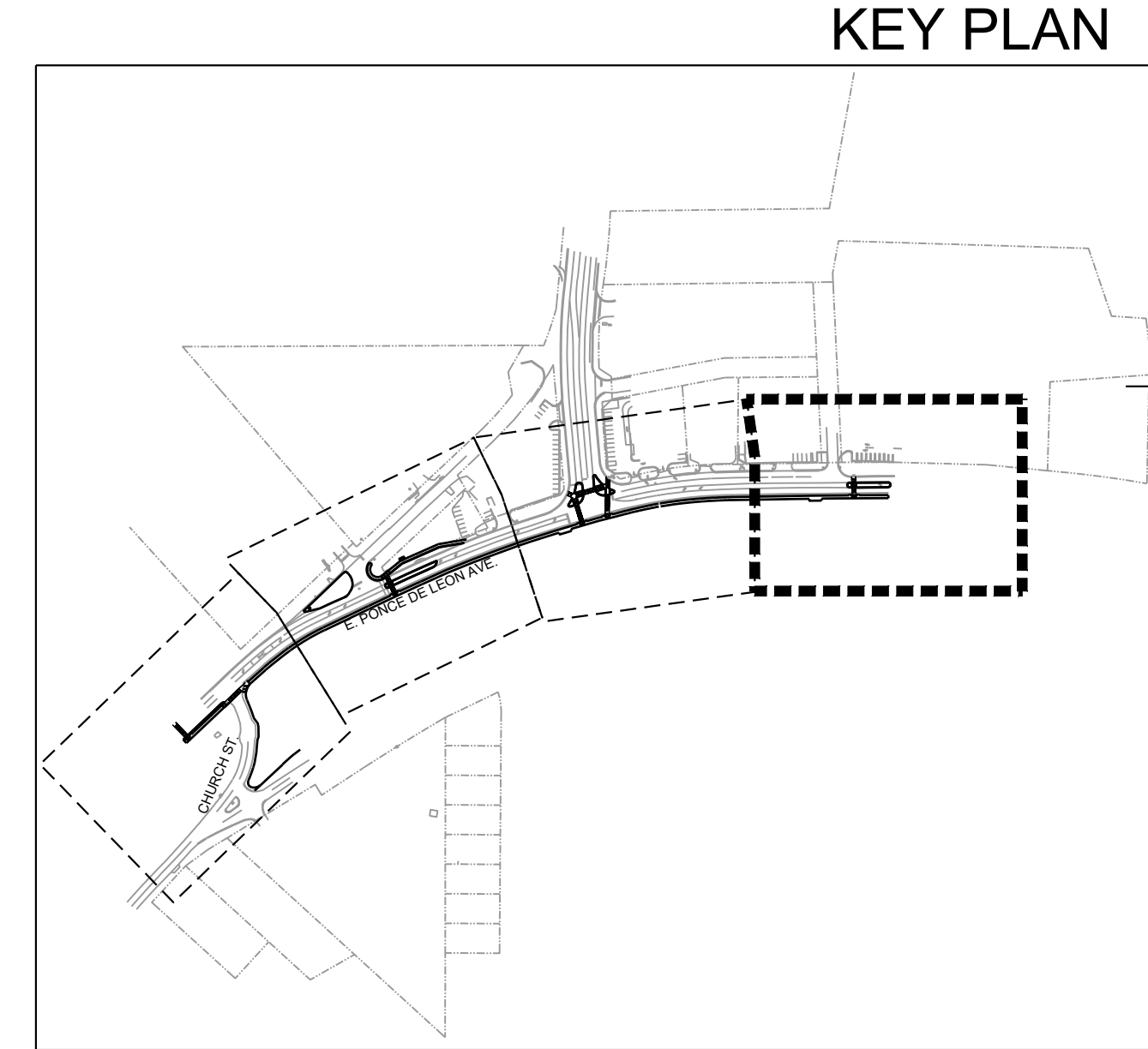
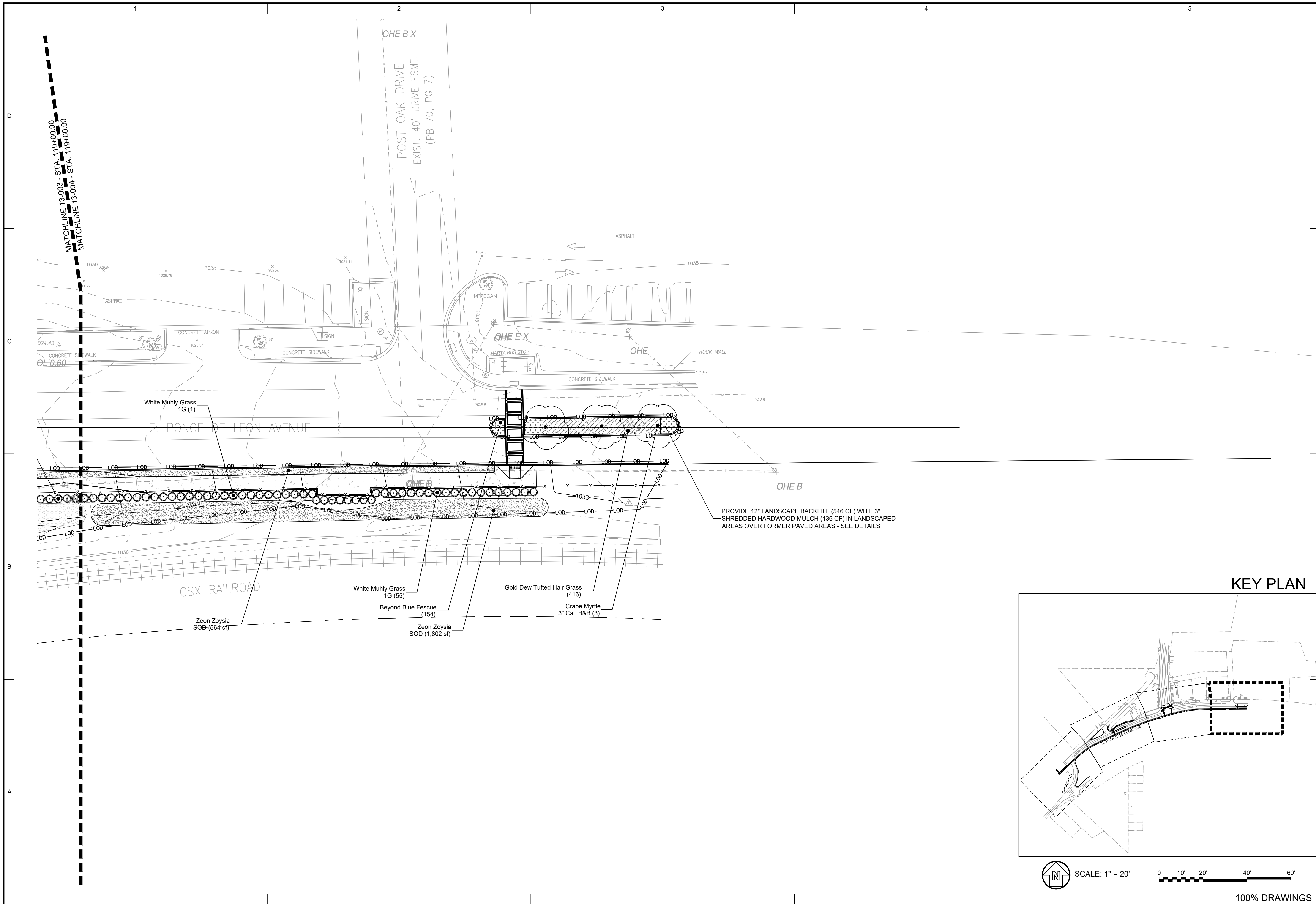
POND
 3000 Parkway Lane GA
 30052 SUITE 500
 Phone 678.338.7740
 POND PROJECT No.1190154 Fax. 678.338.7744

PONCE/CHURCH SIDEWALKS
 LANDSCAPE PLAN

SHEET IDENTIFICATION NUMBER
29-003

100% DRAWINGS

FILE PATH: \S\MITCHEL\BLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02\CAD\CHURCH & PONCE/09-001.DWG PLOTTED BY: THOMPSON, SYDNEY



100% SUBMITTAL	DATE	APPR.
A	1/31/2019	

DESIGNED BY: RBJ	DATE: 2/22/2019
DRAWN BY: SPT	SOLICITATION NO.:
SUBMITTED BY: TN	CONTRACT NO.:
FILE NAME: 29-001.DWG	FILE NUMBER:
SIZE: 22" x 34"	PLOT DATE: 02/28/2019
PLOT SCALE: 1" = 20'	

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

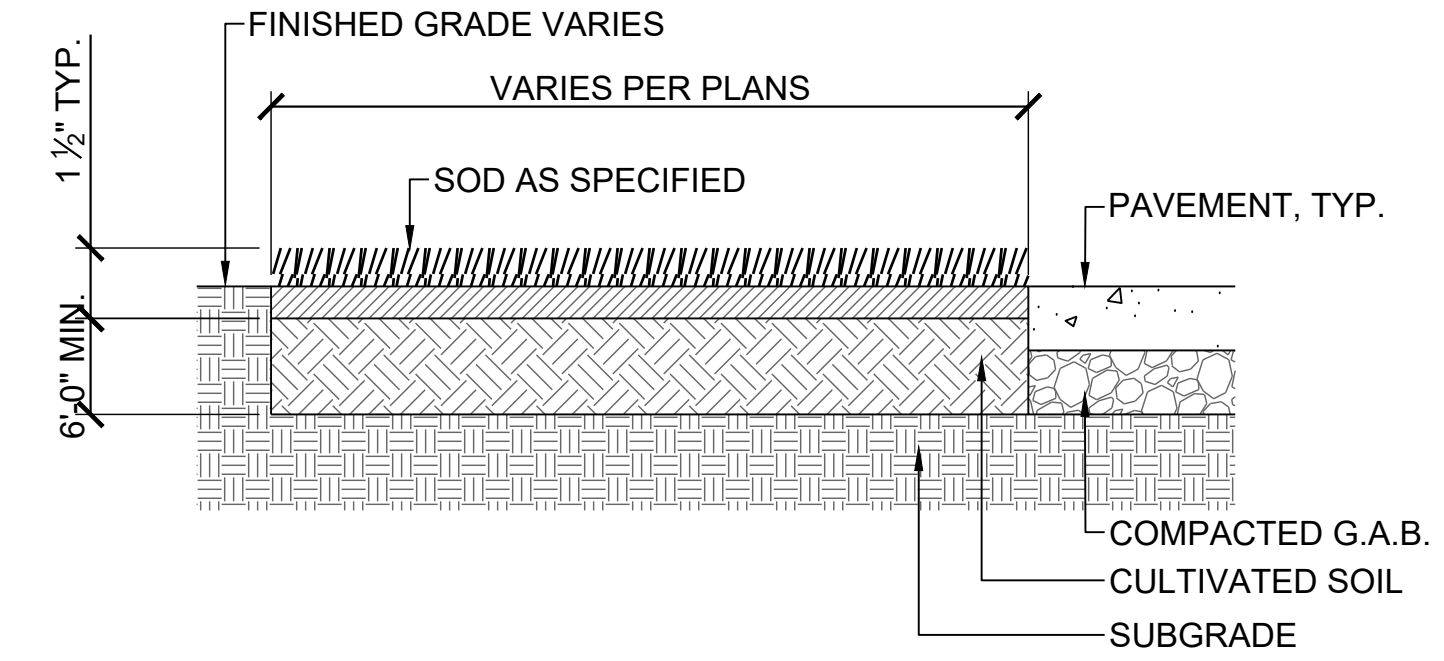
POND
 3000 Parkway Lane
 Clarkston, GA 30009
 Phone 678.398.7740
 Fax 678.398.7744
 POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
 LANDSCAPE PLAN

SHEET IDENTIFICATION NUMBER
29-004

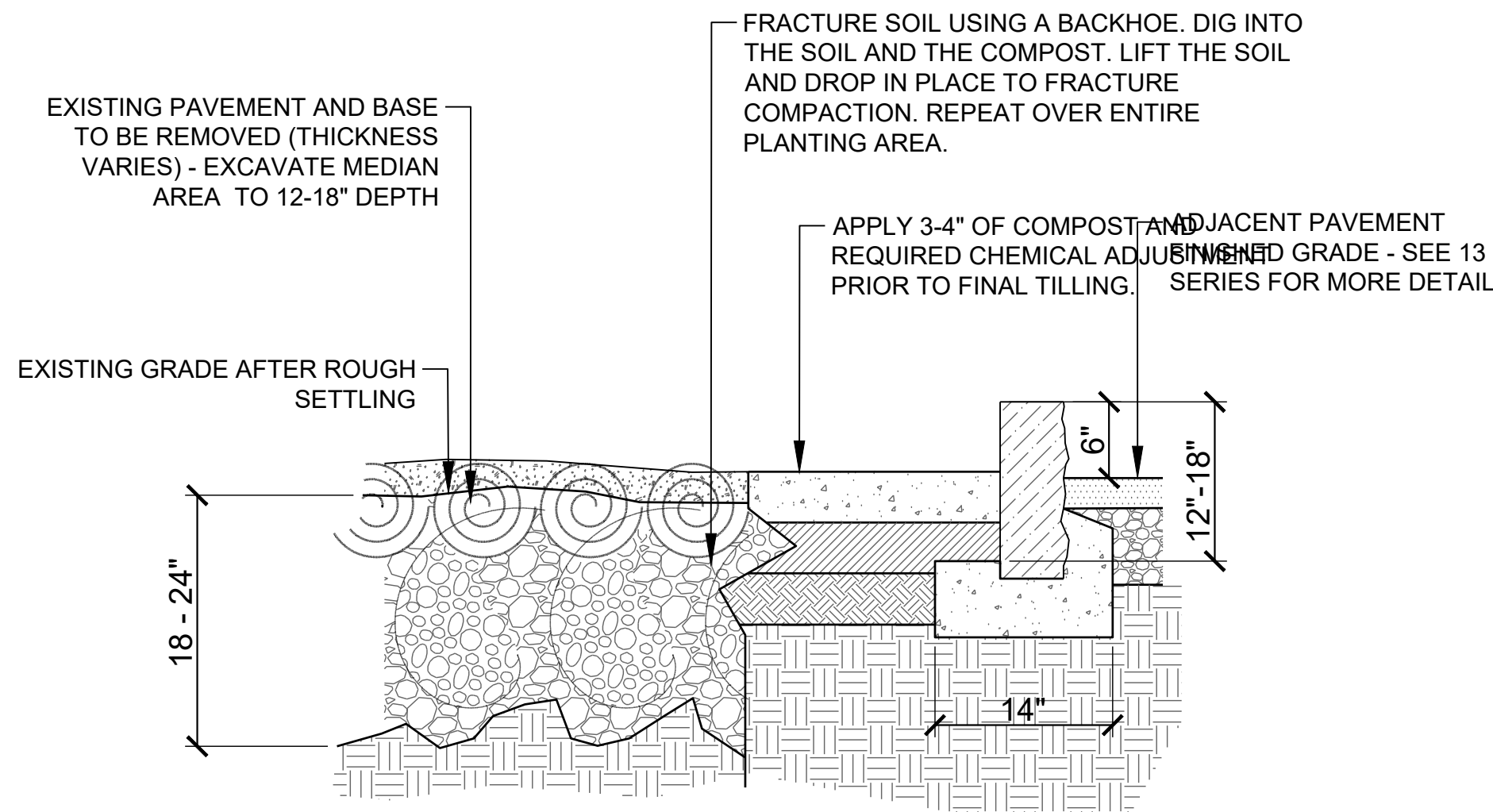
GENERAL TREE PLANTING NOTES:

- 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.

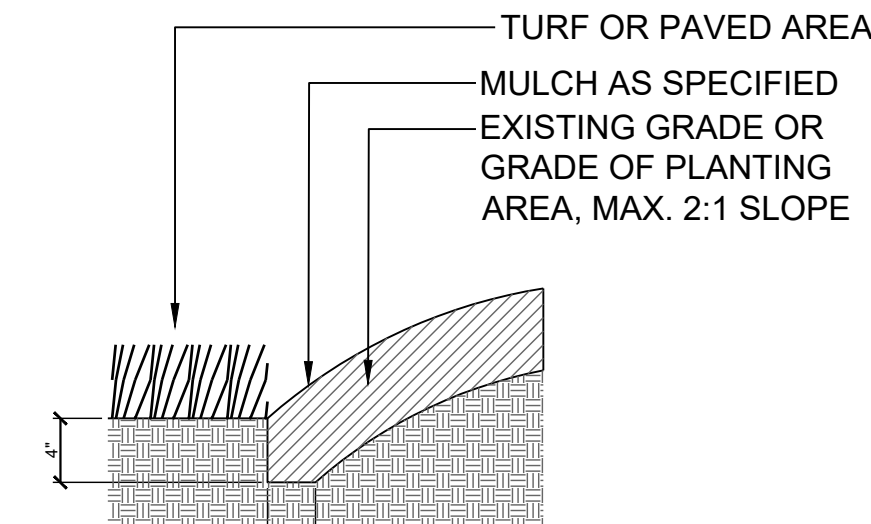


NOTES:

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

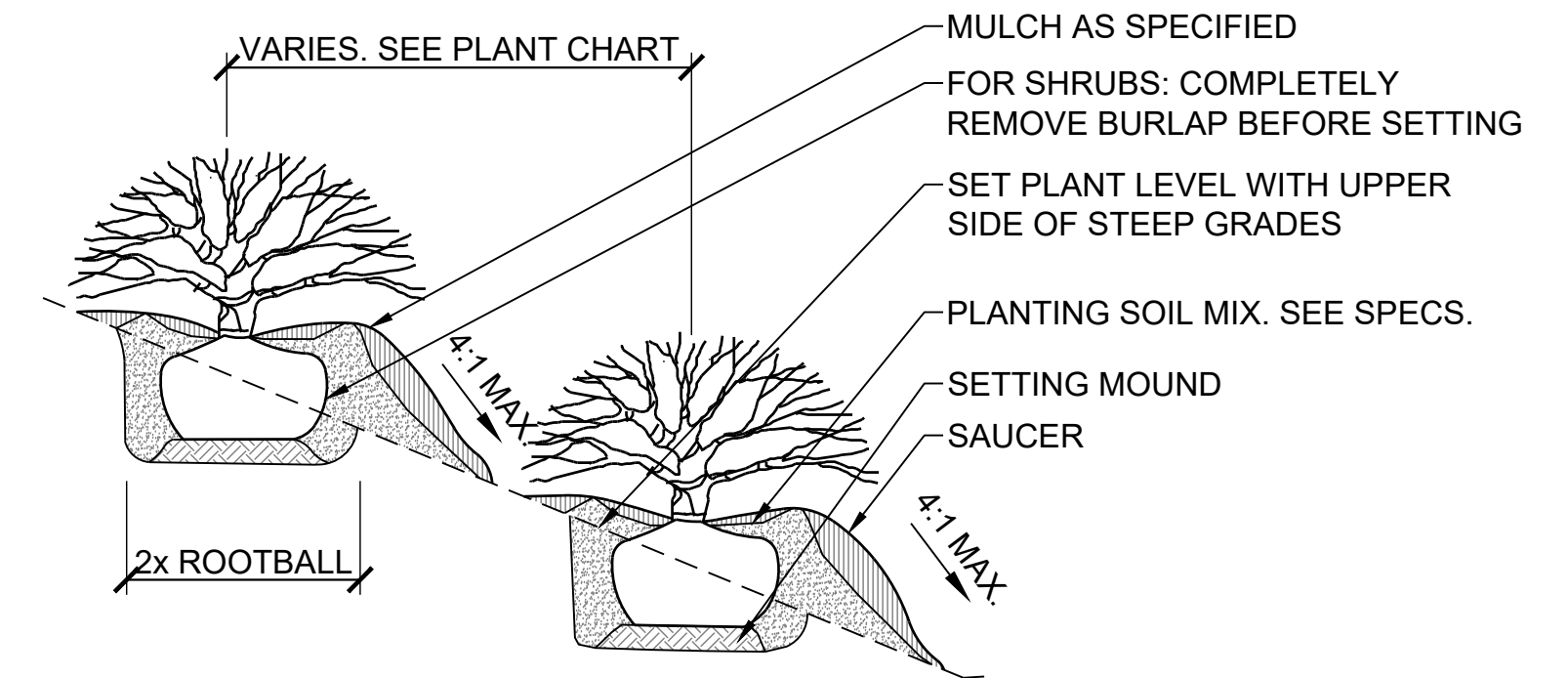


NOTE:

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).

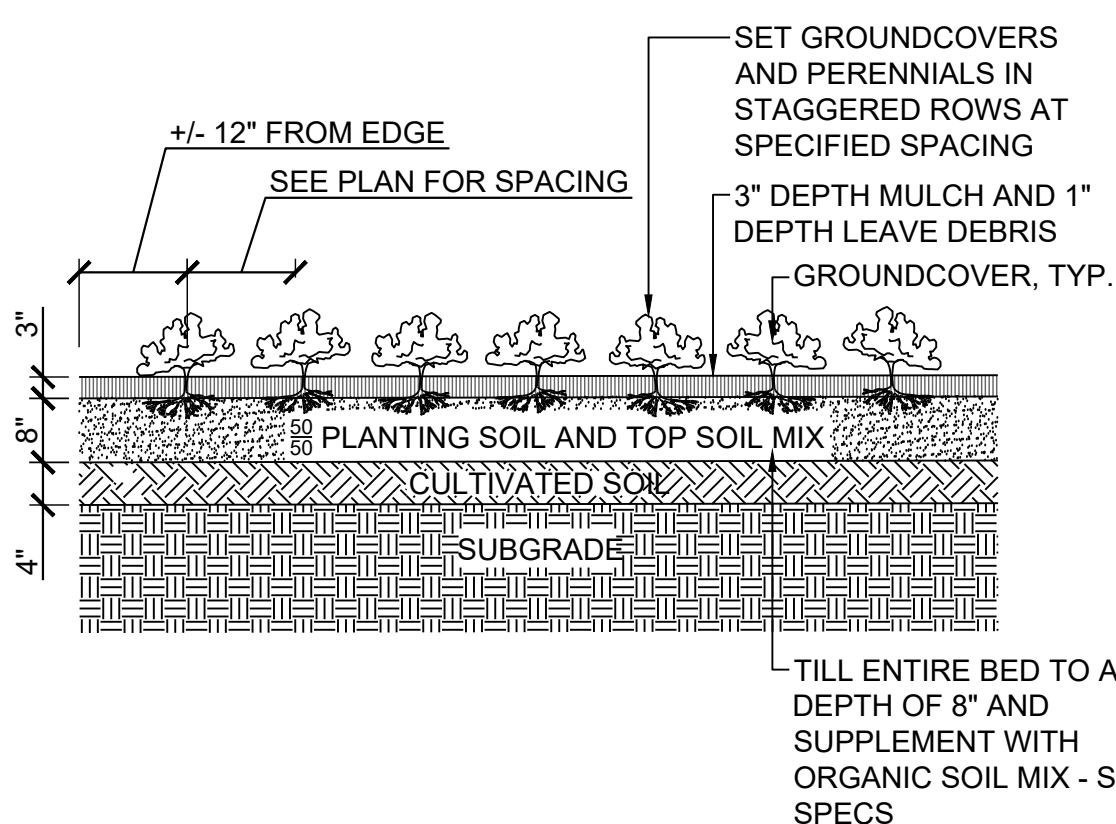
B3 EDGING DETAIL

SCALE: NTS

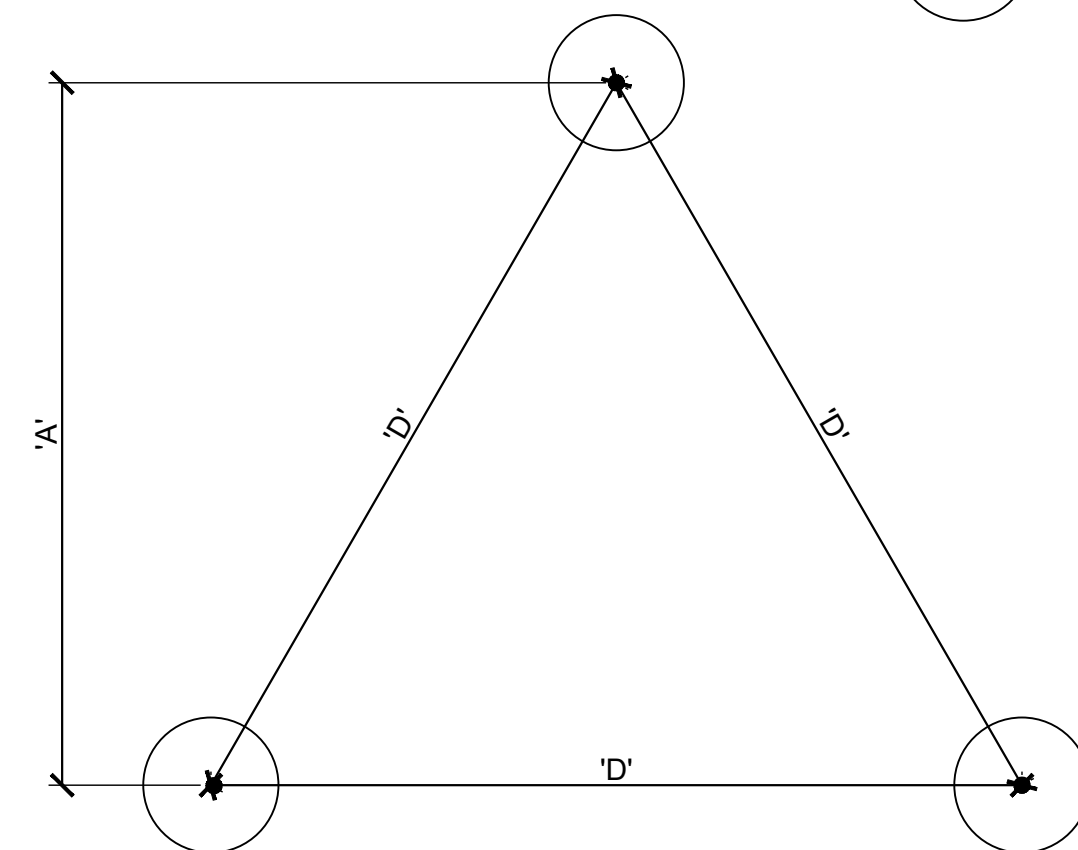


B4 SHRUB/GROUNDCOVER PLANTING ON SLOPE

SCALE: NTS



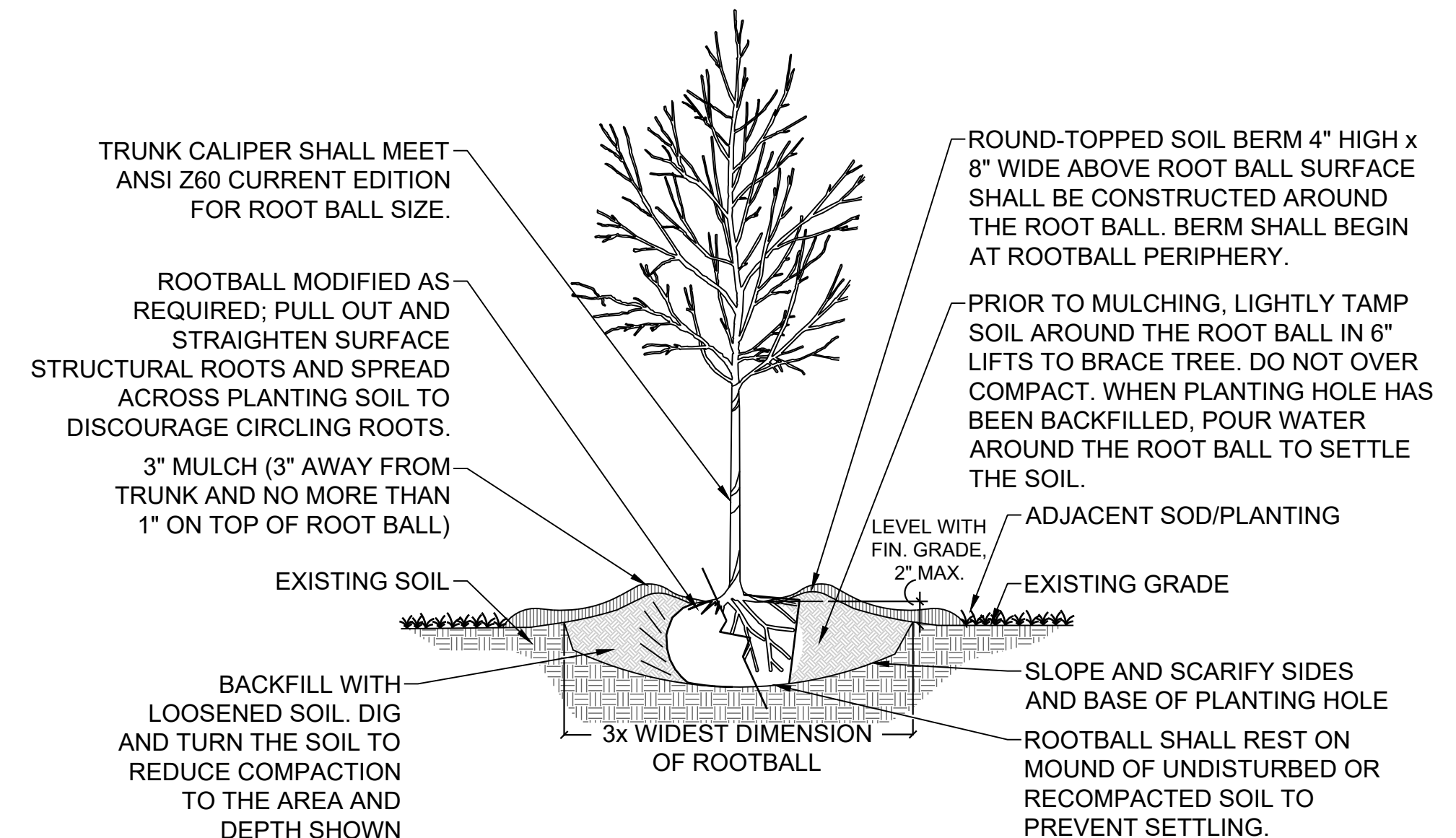
NOTE: GROUNDCOVERS, PERENNIALS, AND GRASSES TO BE INSTALLED M WITH TRIANGULAR SPACING.



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.

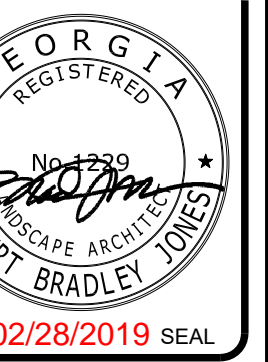
A1 GROUND COVER/PERENNIAL PLANTING DETAIL

SCALE: NTS



A4 BALLED AND BURLAPPED TREE PLANTING DETAIL

SCALE: NTS



DATE	DESCRIPTION	MARK	DATE	APPR.
10/12/2019				

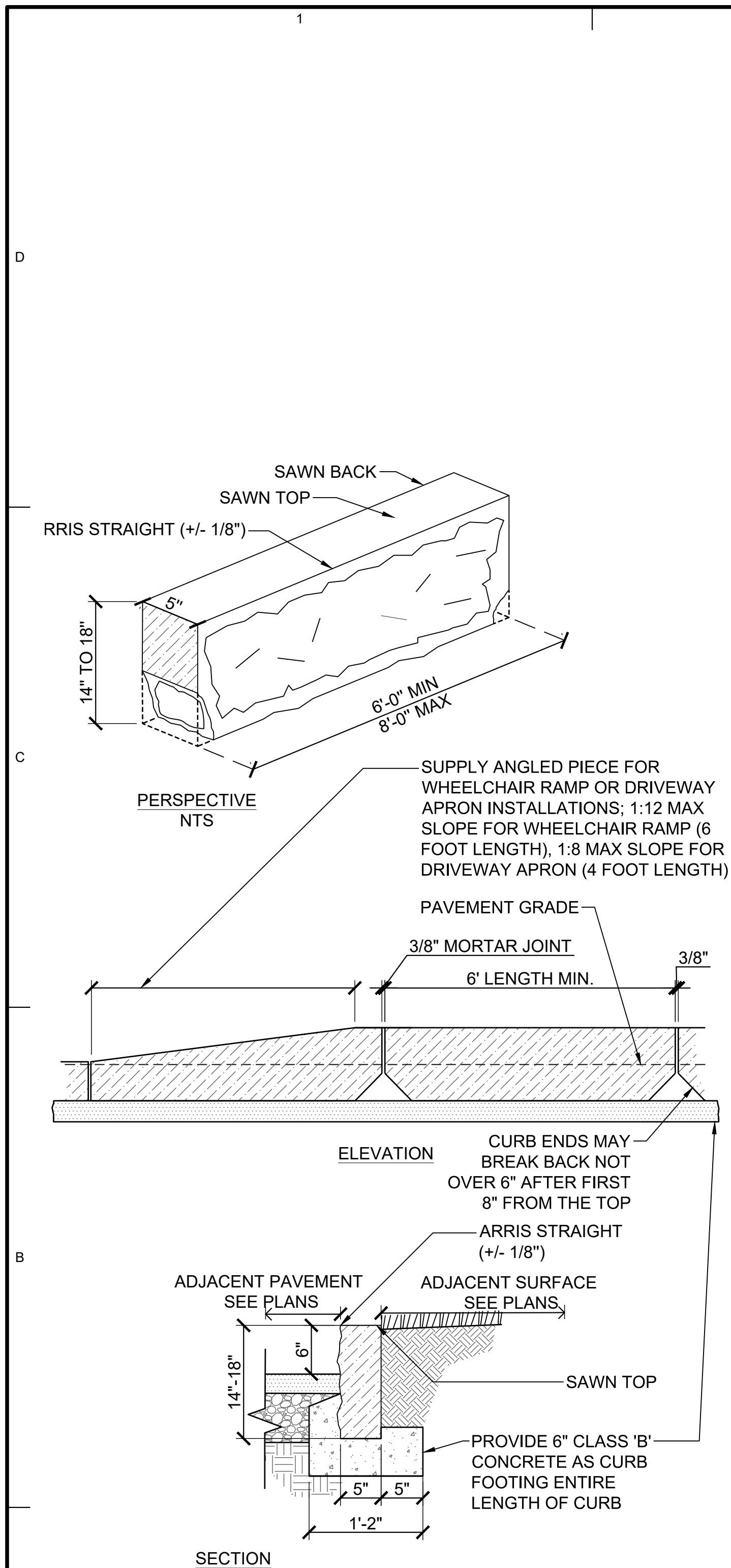
DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	FILE DATE:
DWN BY: SPT	CAD BY: TN			29-001 (REV)	02/28/2019
SUBMITTED BY:	FILE NAME:	FILE NAME:	FILE NAME:	FILE NAME:	FILE NAME:
	29-001 (REV)	29-001 (REV)	29-001 (REV)	29-001 (REV)	29-001 (REV)
	SIZE: 22" x 34"	SIZE: 22" x 34"	SIZE: 22" x 34"	SIZE: 22" x 34"	SIZE: 22" x 34"
	PLOT SCALE: 1" = 11'	PLOT SCALE: 1" = 11'	PLOT SCALE: 1" = 11'	PLOT SCALE: 1" = 11'	PLOT SCALE: 1" = 11'

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK
POND
POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
LANDSCAPE DETAILS

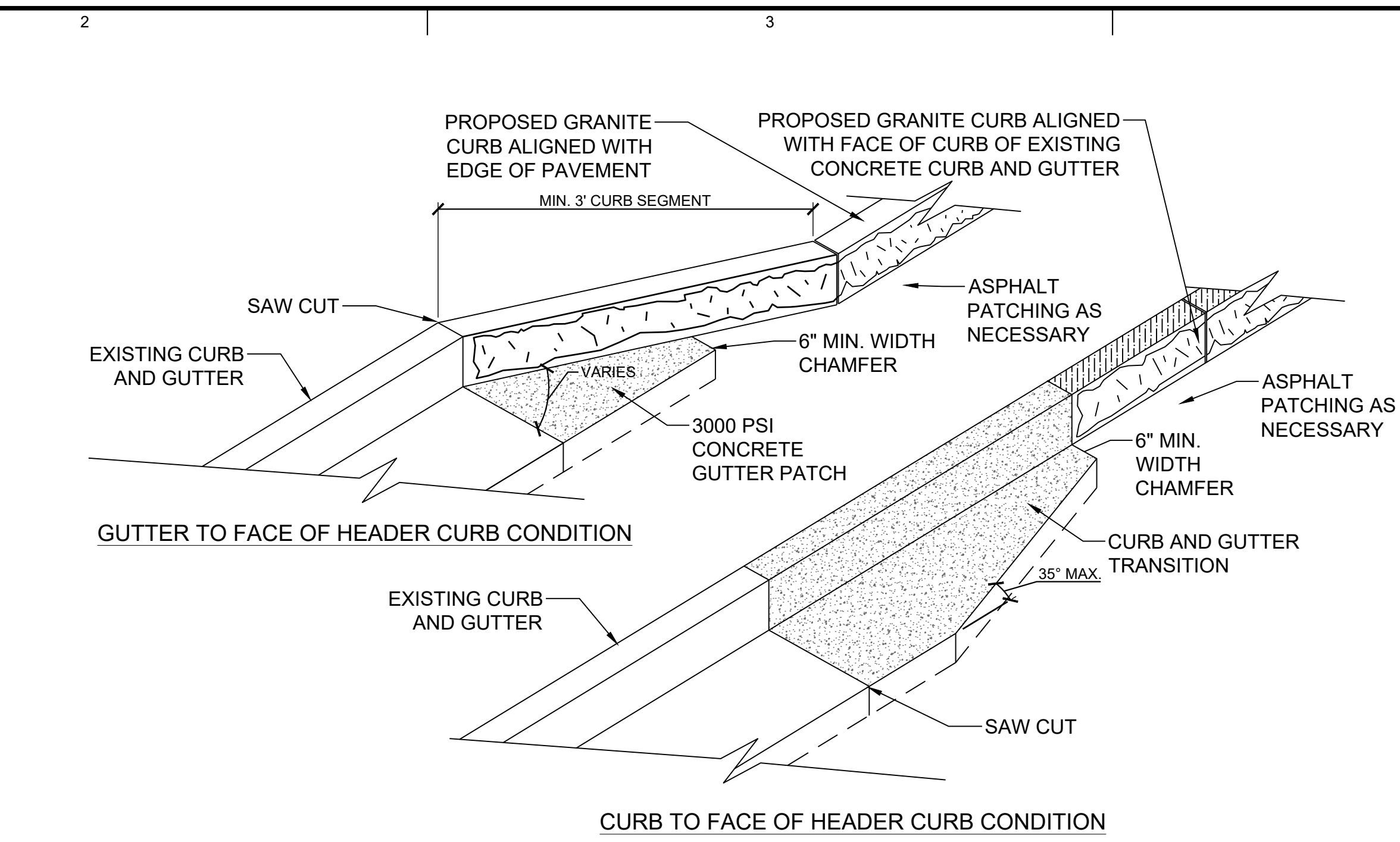
SHEET IDENTIFICATION NUMBER
29-005

FILE PATH: N:\MTC\HBLADE\PROJECTS\FY19\119015404\CAD_BIM\04_02_CAD\CHURCH & PONCE\38-001.DWG PLOTTED BY: THOMPSON, SYDNEY

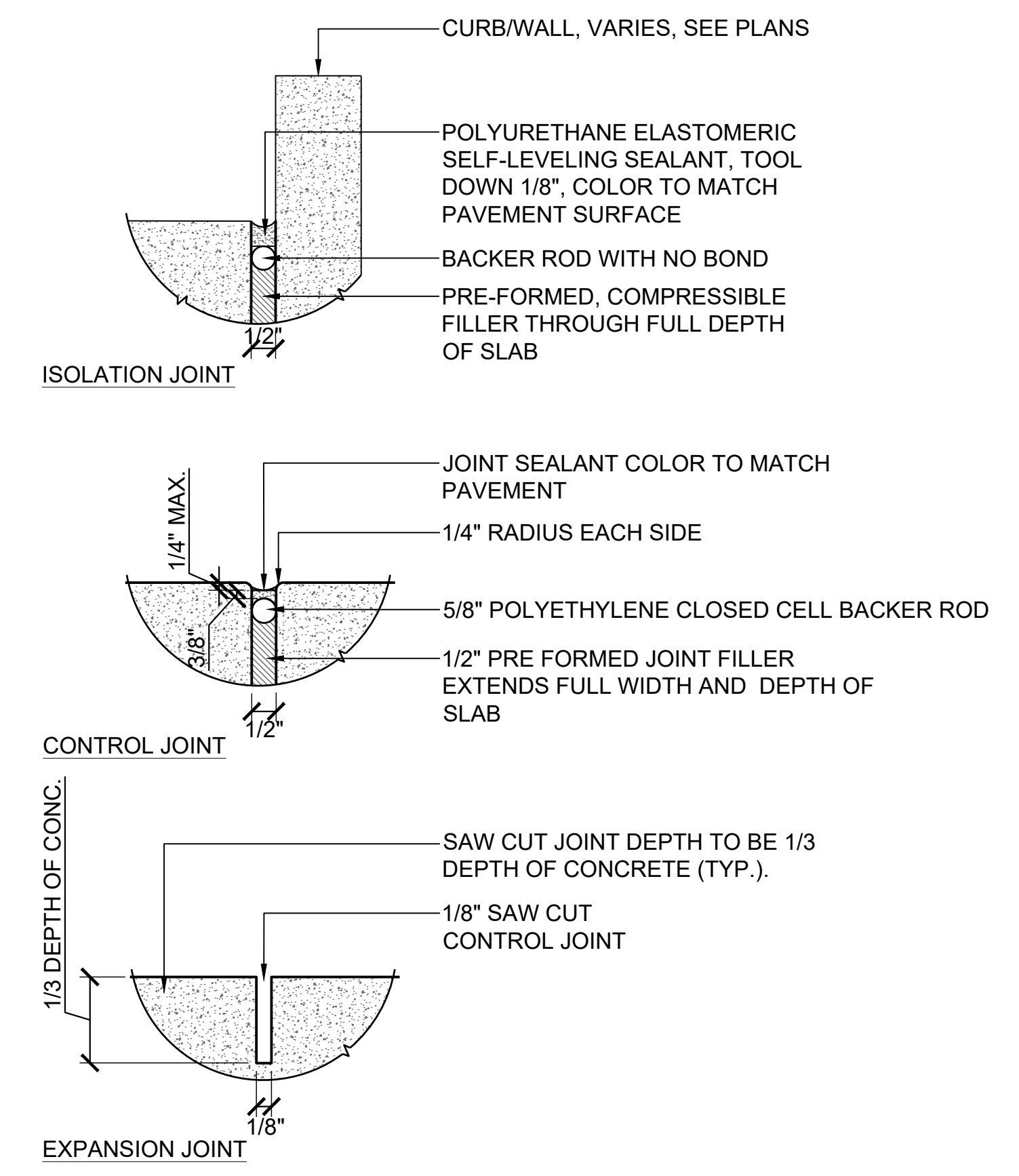


- NOTES:**
1. GRADE A GRANITE CURB, SPLIT FACE, SAWED TOP.
 2. CURB ENDS MAY BREAK BACK NOT OVER 6" AFTER FIRST 8" FROM THE TOP.
 3. PROJECTION IN BACK NOT TO EXCEED A BATTER OF 3" IN 12". JOINT OFF TO 1/4".
 4. CURB SEGMENTS SHALL BE A MINIMUM OF 6 FEET LONG, UNLESS USED FOR PLANTERS, AS DIMENSIONED ON PLANS OR OTHERWISE APPROVED BY DESIGN PROFESSIONAL.
 5. SEE SPECS FOR JOINT MATERIAL, TYP. JOINT FILLER SHALL BE A HOT-POURED, ELASTIC-TYPE SEALANT CONFORMING TO AASHTO M 173.
 6. JOINT MORTAR SHALL CONSIST OF ONE (1) PART MASONRY CEMENT AND TWO (2) PARTS FINE AGGREGATE BY VOLUME. THE MORTAR SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,100 POUNDS PER SQUARE INCH (PSI) WHEN TESTED IN ACCORDANCE WITH AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) C 780. THE MORTAR SHALL HAVE AN AIR CONTENT OF 15 ± 3 PERCENT WHEN TESTED IN ACCORDANCE WITH AASHTO T 152 OR AASHTO T 199.

A1 GRANITE CURB
SCALE: NTS

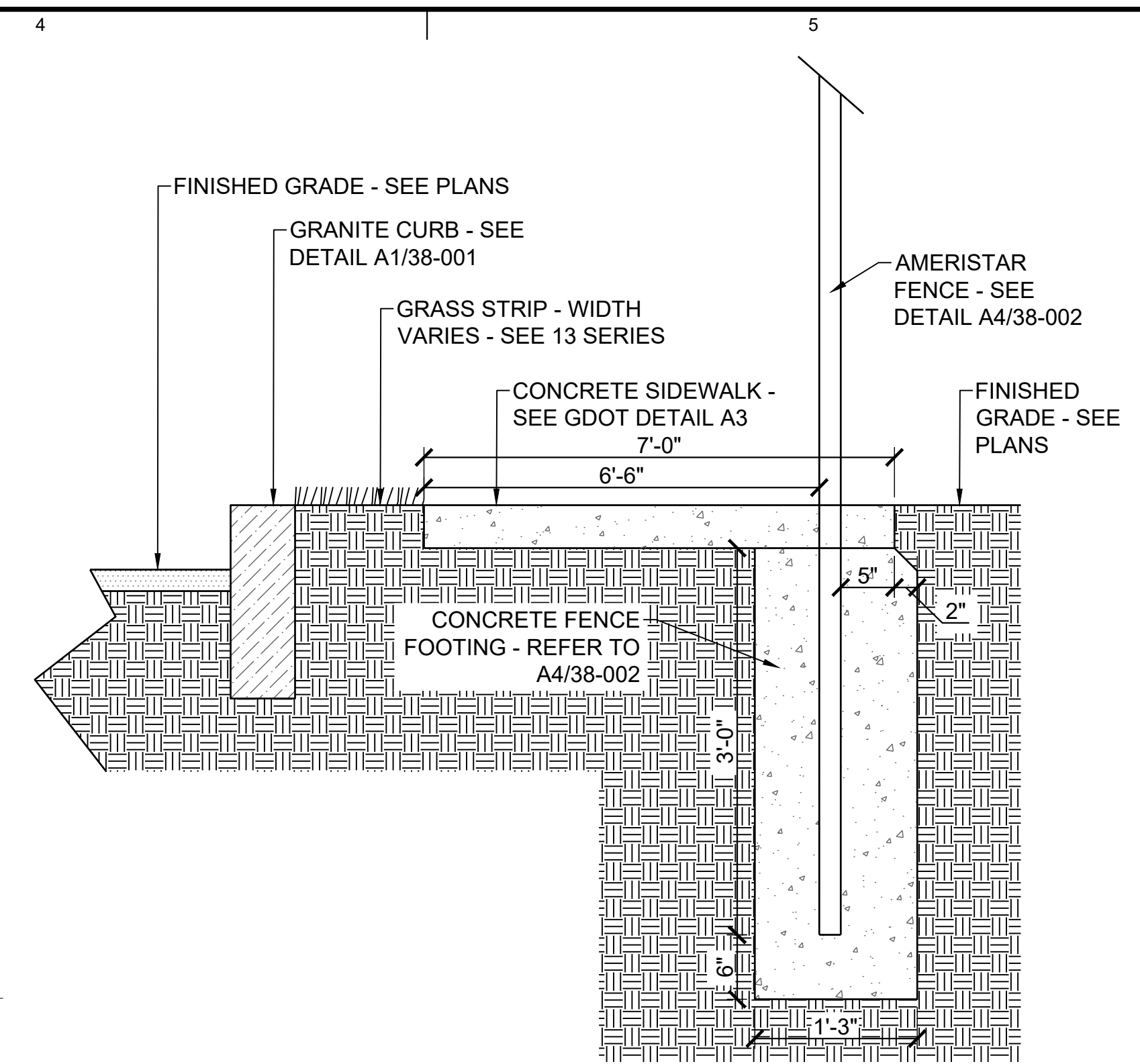


A2 HEADER CURB TO CURB AND GUTTER TRANSITION
SCALE: NTS

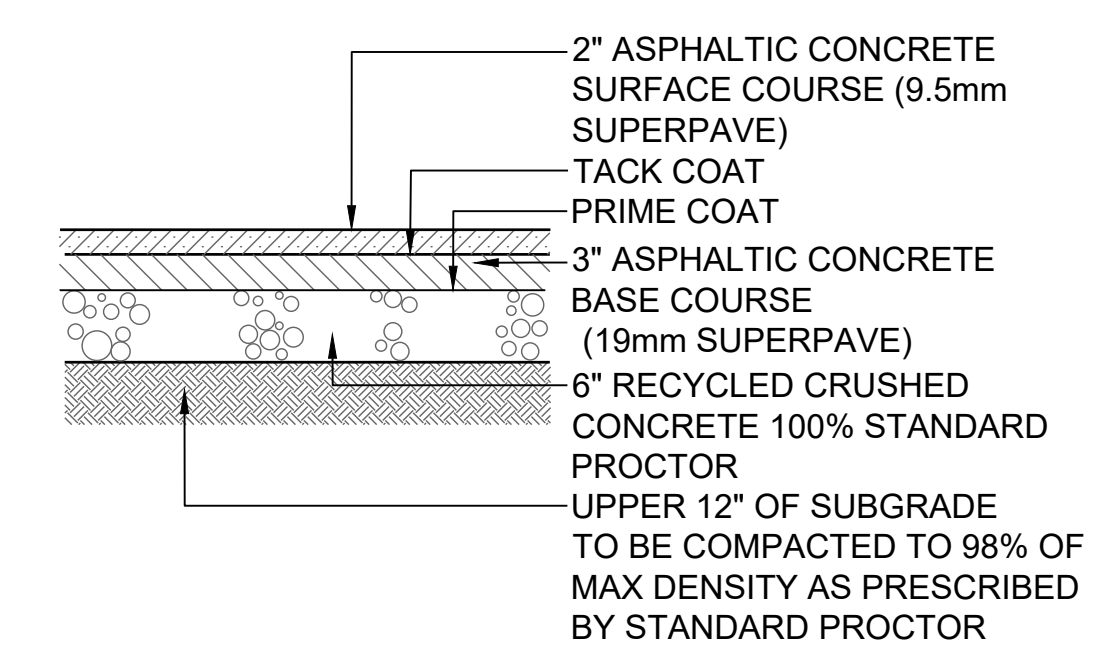


- NOTES:**
1. FOR ALL JOINT WIDTHS SEE CONTRACTOR DELEGATED DESIGN SUBMITTALS.
 2. POLYURETHANE ELASTOMERIC SELF-LEVELING SEALANT, TOOL DOWN 1/8", COLOR TO MATCH PAVEMENT SURFACE.
 3. LOCATE EXPANSION JOINTS EVERY 30' MAX. AND AT ALL SIDEWALK JUNCTIONS WITH CURBS, STRUCTURES, AND OTHER SIDEWALKS
 4. LOCATE CONTROL JOINTS AS SHOWN ON SITE PLAN. SUBSTITUTE CONSTRUCTION JOINT AT CONTROL JOINT LOCATION WHERE REQUIRED
 5. PROVIDE 3/4" JOINT AS NECESSARY PER GDOT STANDARDS

B3 CONCRETE JOINT DETAIL
SCALE: NTS

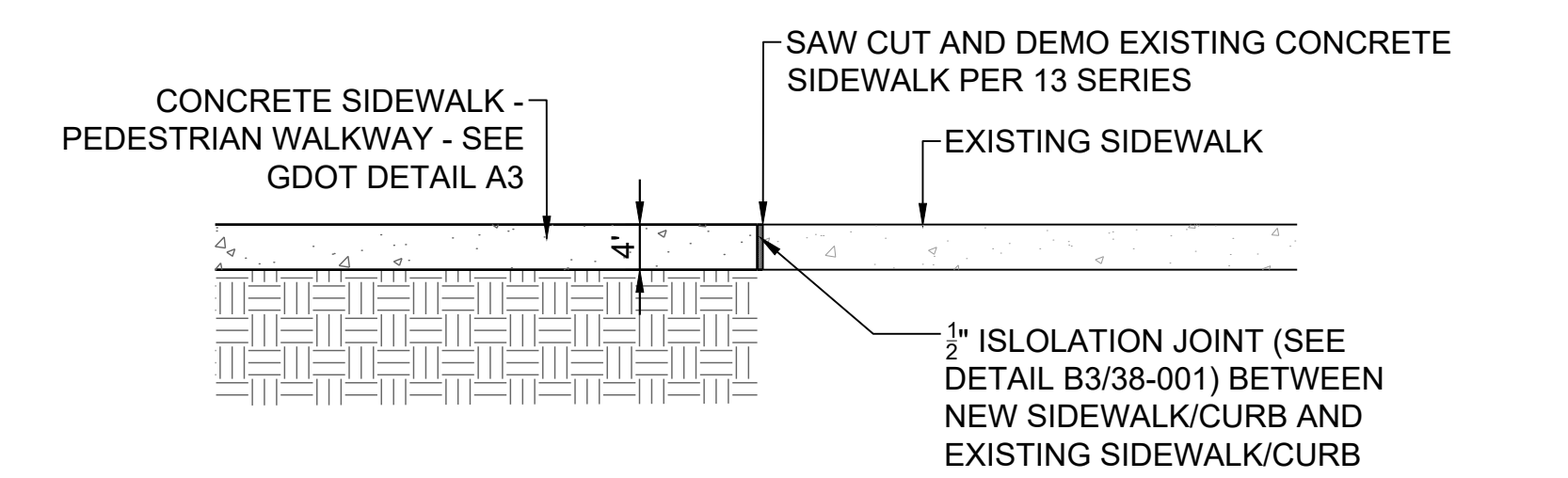


C4 FENCE AT SIDEWALK INSTALLATION DETAIL
SCALE: NTS




- 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" GAB. ANY ADDITIONAL WORK AS A RESULT OF RECOMMENDATIONS MADE BY GEOTECHNICAL CONSULTANT SHALL BE PAID/DELETED BY UNIT PRICE.
 3. ASPHALTIC CONCRETE BASE TO CONSIST OF RECYCLED MATERIAL.


B4 HEAVY DUTY ASPHALT PAVEMENT
SCALE: NTS



A4 PROPOSED TO EXISTING SIDEWALK TRANSITION
SCALE: NTS



CITY OF CLARKSTON
where possibilities grow



02/28/2019 SEAL

100% SUBMITTAL	DATE	DESCRIPTION	MARK	APPR.

DESIGNED BY: RBJ

DRAWN BY: SPT

DATE: 2/22/2019

SOLICITATION NO.: 38-001

CONTRACT NO.:

FILE NUMBER:

FILE NAME: 38-001.dwg


FILE SIZE: 22' x 34'

PLOT SCALE: 1" = 1'

PLOT DATE: 02/28/2019

CITY OF CLARKSTON

SPLIST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK



3000 Parkway Lane
Clarkston, GA 30009
Phone 678.388.7740
Fax 678.388.7744

PONCE/CHURCH SIDEWALKS

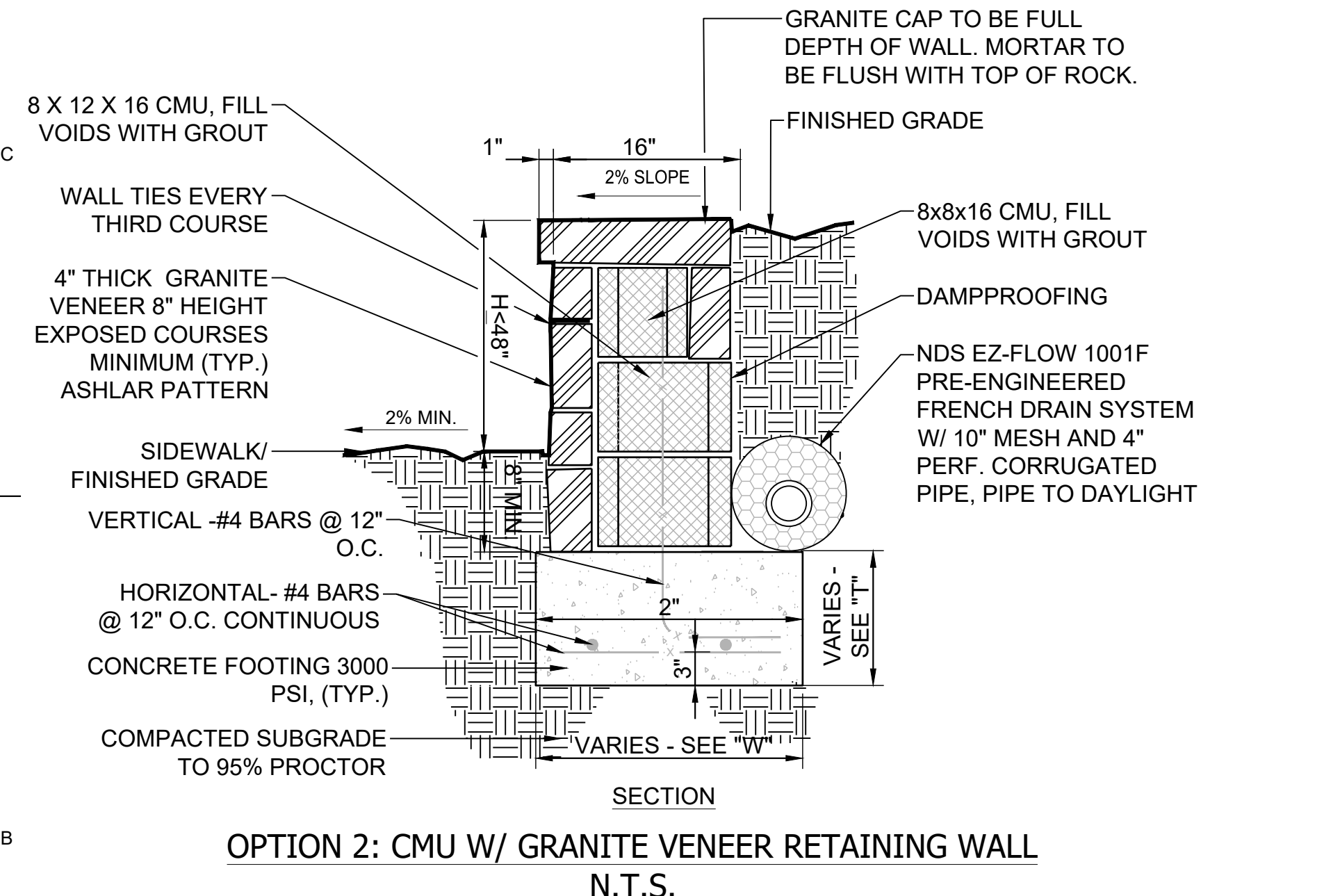
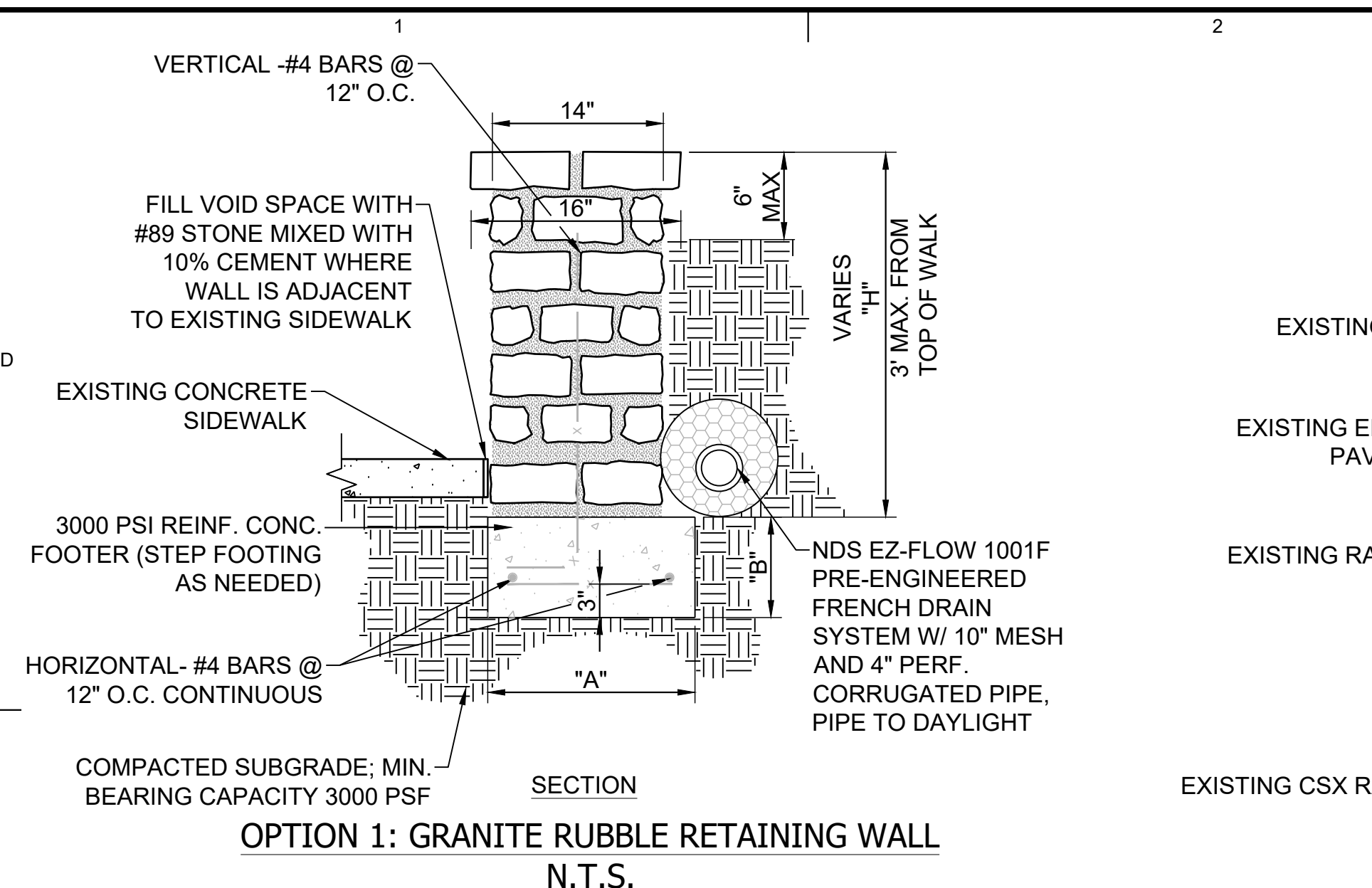
SPECIAL CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER

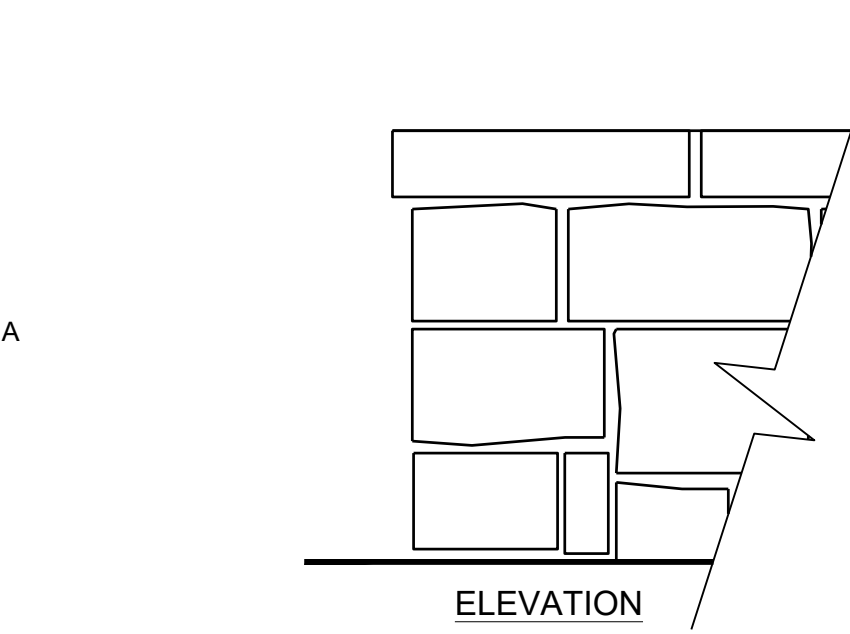
38-001

100% DRAWINGS

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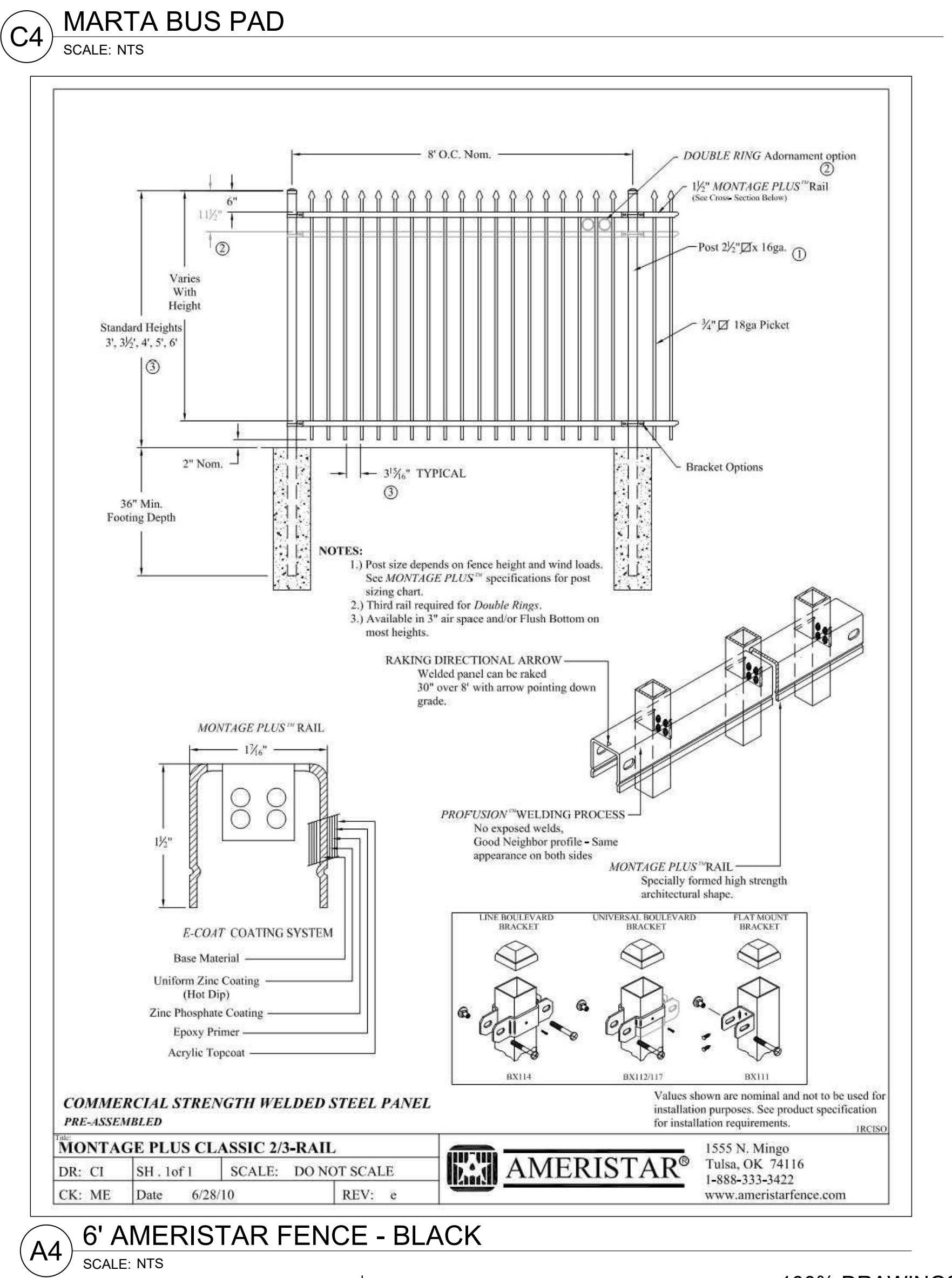
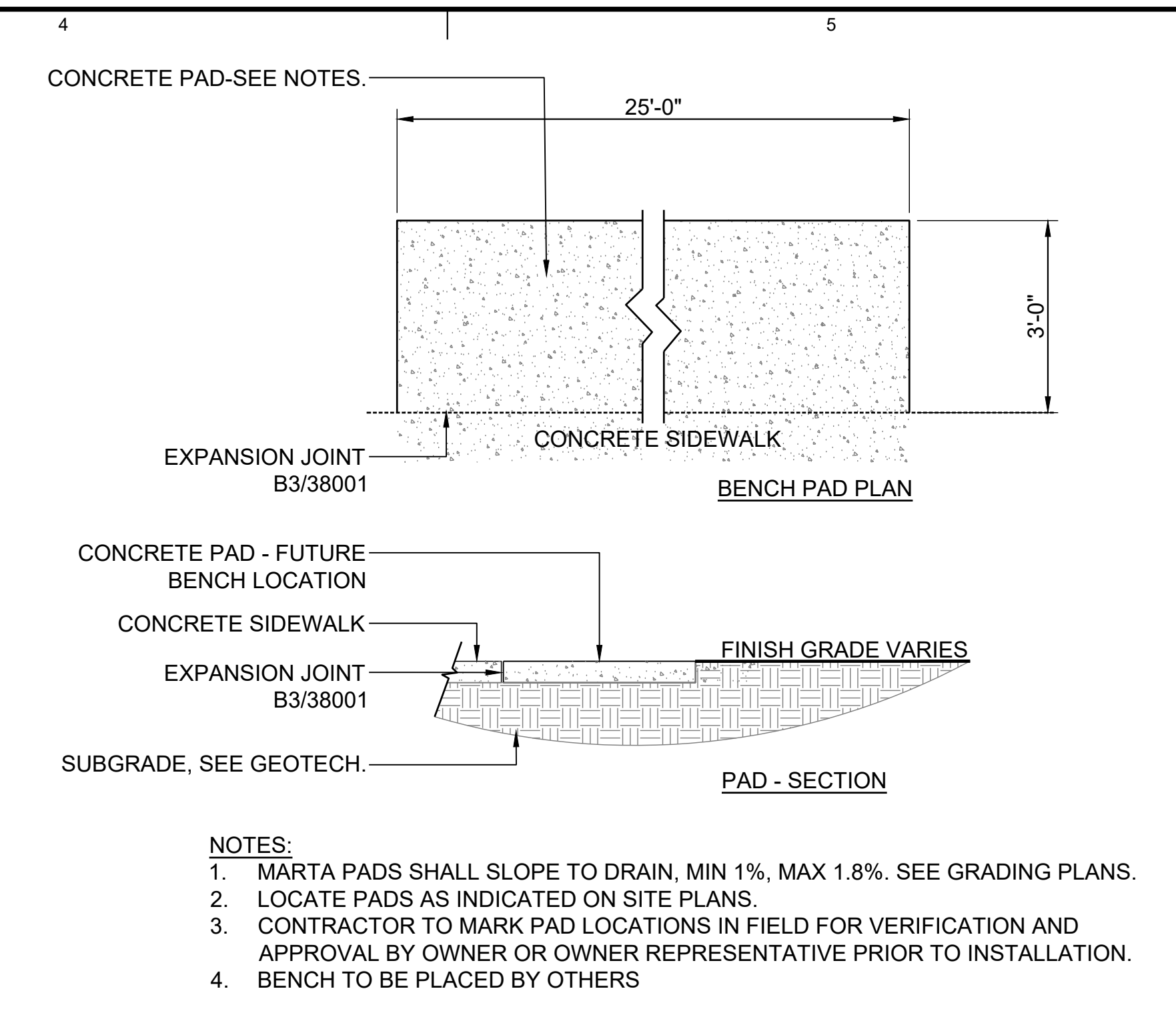
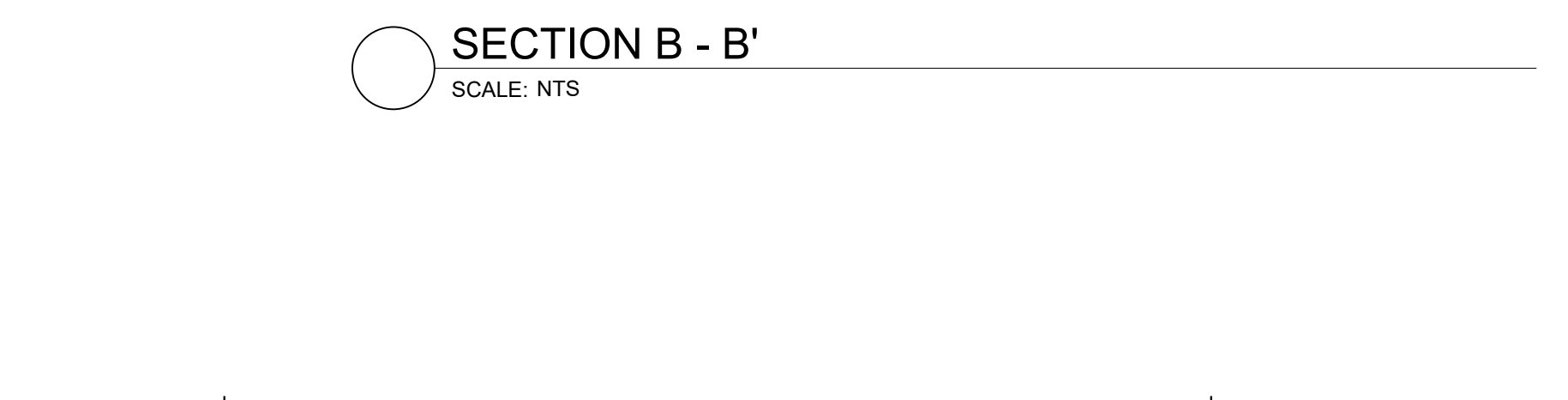
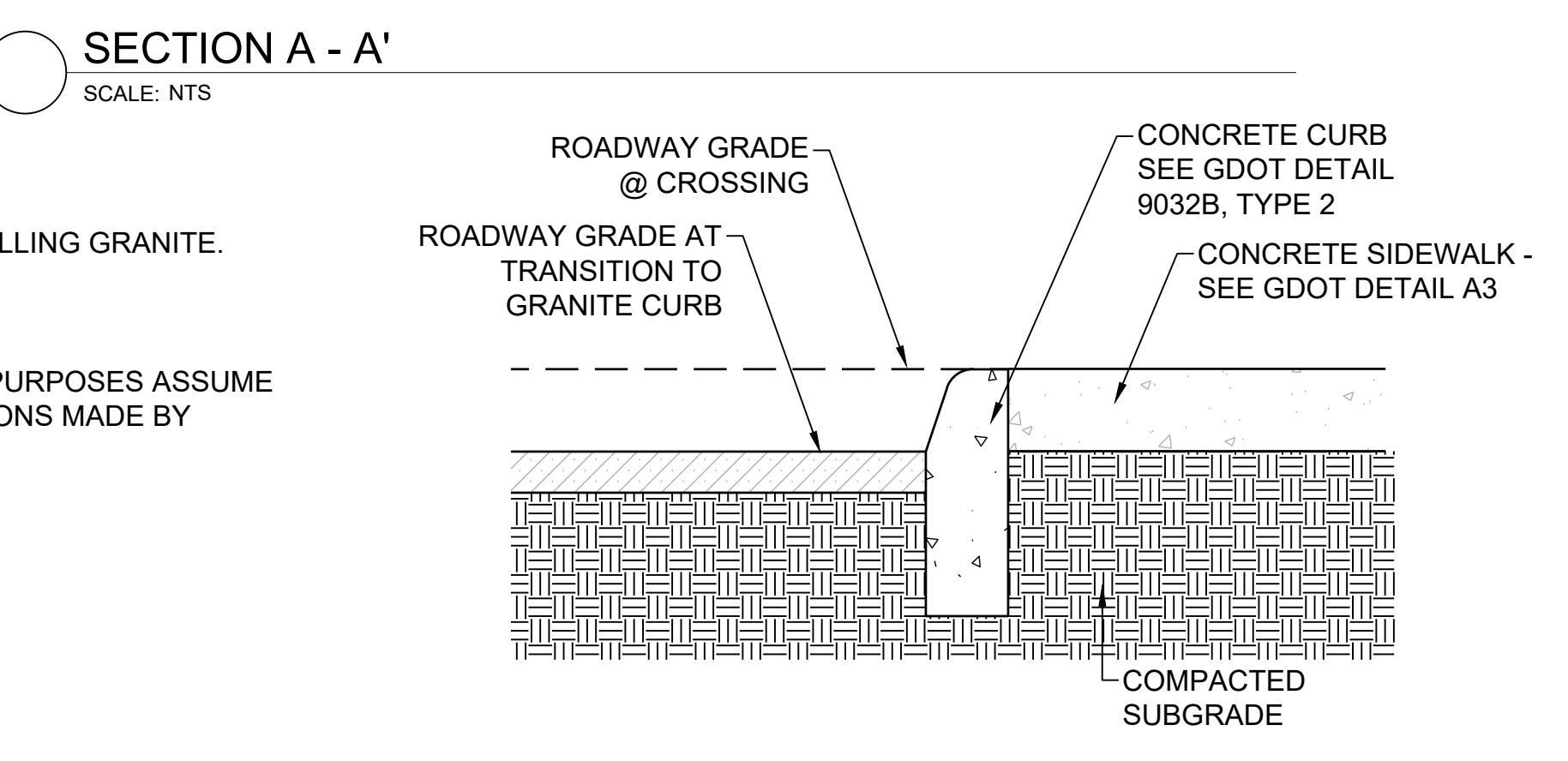
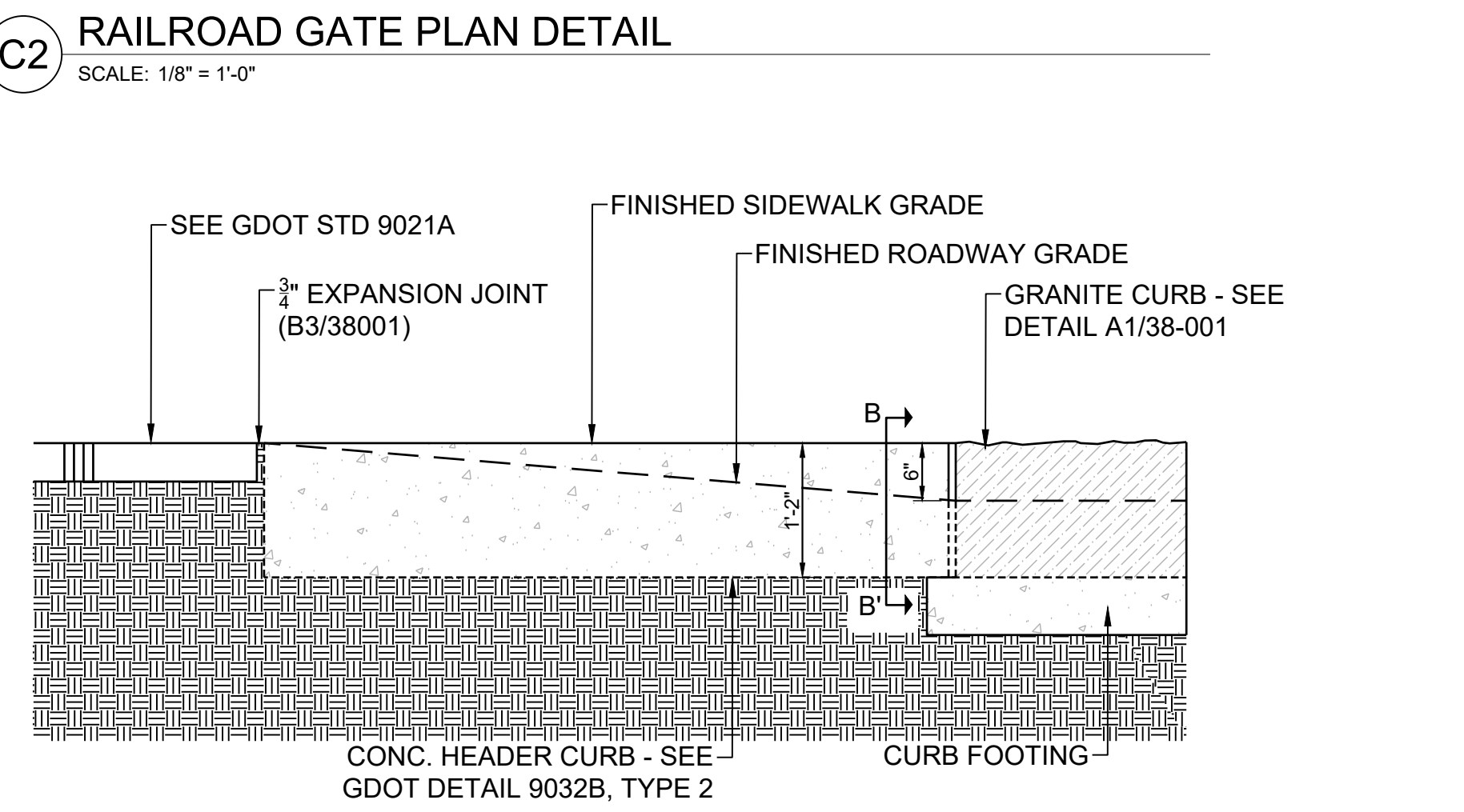
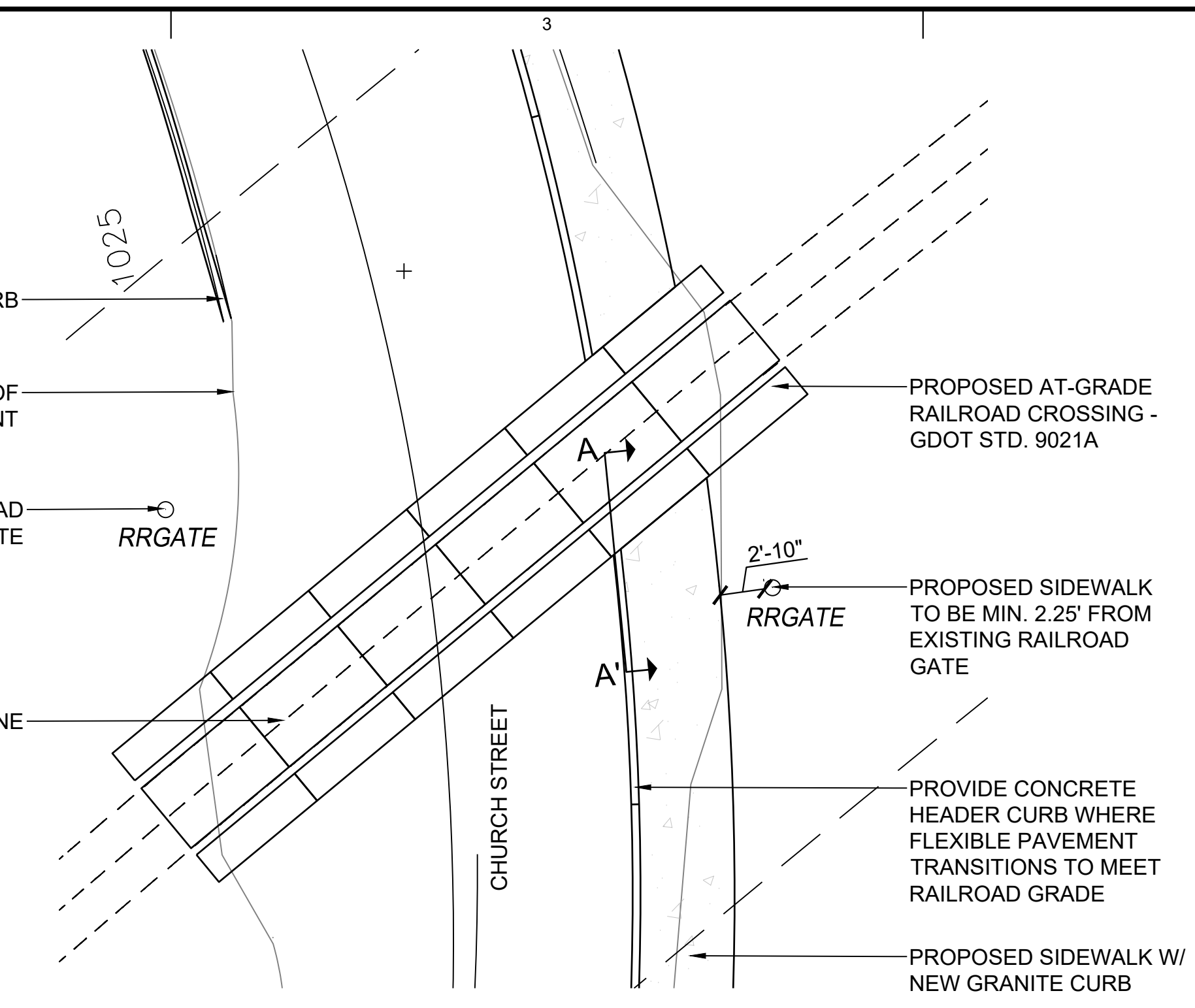
- GENERAL NOTES FOR RETAINING WALLS:**
- CONTRACTOR MAY PRICE EITHER THE 'GRANITE RUBBLE' OR 'GRANITE VENEER' RETAINING WALL DESIGN.
 - SUBMIT SAMPLE OF GRANITE RUBBLE FOR APPROVAL BY OWNER'S REPRESENTATIVE.
 - STONE LAID IN PORTLAND CEMENT (3 PARTS SAND TO ONE PART CEMENT).
 - WEEPHOLE PIPES ARE TO BE ONE CONTINUOUS LENGTH, OR BELL AND SPIGOT WITH MORTAR JOINTS.
 - CONCRETE TO BE 3000 PSI.
 - WEEPHOLE PIPES TO BE PLACED AT SAME HEIGHT (6" ABOVE SIDEWALK) ALONG WALL. SET PIPE PRIOR TO INSTALLING GRANITE.
 - WEEPHOLE TO BE PROVIDED ONLY IF A FOUNDATION DRAIN IS NOT PROVIDED
 - MINIMUM BEARING CAPACITY SHALL BE 3000 PSF.
 - MORTAR JOINTS TO BE 3/4" MINIMUM ON AVERAGE.
 - COMPACTION AND SUBBASE DEPTH TO BE VERIFIED AND APPROVED BY GEOTECHNICAL CONSULTANT. FOR BID PURPOSES ASSUME INSTALLATION OF SUBBASE INDICATED ON DRAWINGS. ANY ADDITIONAL WORK AS A RESULT OF RECOMMENDATIONS MADE BY GEOTECHNICAL CONSULTANT SHALL BE PAID/DELETED BY UNIT PRICE.



A1 GRANITE WALL DETAIL
SCALE: NTS

HEIGHT OF WALL "H" IN FT.	WIDTH AT TOP	WIDTH AT BASE "A"	THICKNESS AT BASE "B"
0 TO 2	1'-2"	1'-10"	8"
2 TO 3	1'-2"	2'-4"	8"
> 3	REQUIRES P.E. DESIGN		

HEIGHT OF WALL "H"	THICKNESS OF FOOTING "T"	WIDTH OF FOOTING "W"
<30"	12"	24"
31"-42"	12"	3'-4"
43"-48"	16"	4'-6"
>48"	REQUIRES P.E. DESIGN	



10/12/2019	100% SUBMITTAL	DATE	APPR.	MARK	DESCRIPTION
DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.: 2222919	CONTRACT NO.:	FILE NUMBER: 38-001	FILE DATE: 02/28/2019
DWN BY: SPT	CKD BY: TN	DATE: 2/22/2019	CONTRACT NO.:	FILE NUMBER: 38-001	FILE DATE: 02/28/2019
SUBMITTED BY:	DATE: 2/22/2019	CONTRACT NO.:	CONTRACT NO.:	FILE NUMBER: 38-001	FILE DATE: 02/28/2019
FILE NAME: 38-001.dwg	DATE: 2/22/2019	CONTRACT NO.:	CONTRACT NO.:	FILE NUMBER: 38-001	FILE DATE: 02/28/2019
SIZE: 22" x 34"	DATE: 2/22/2019	CONTRACT NO.:	CONTRACT NO.:	FILE NUMBER: 38-001	FILE DATE: 02/28/2019
PLOT SCALE: 1:1	DATE: 2/22/2019	CONTRACT NO.:	CONTRACT NO.:	FILE NUMBER: 38-001	FILE DATE: 02/28/2019

POND

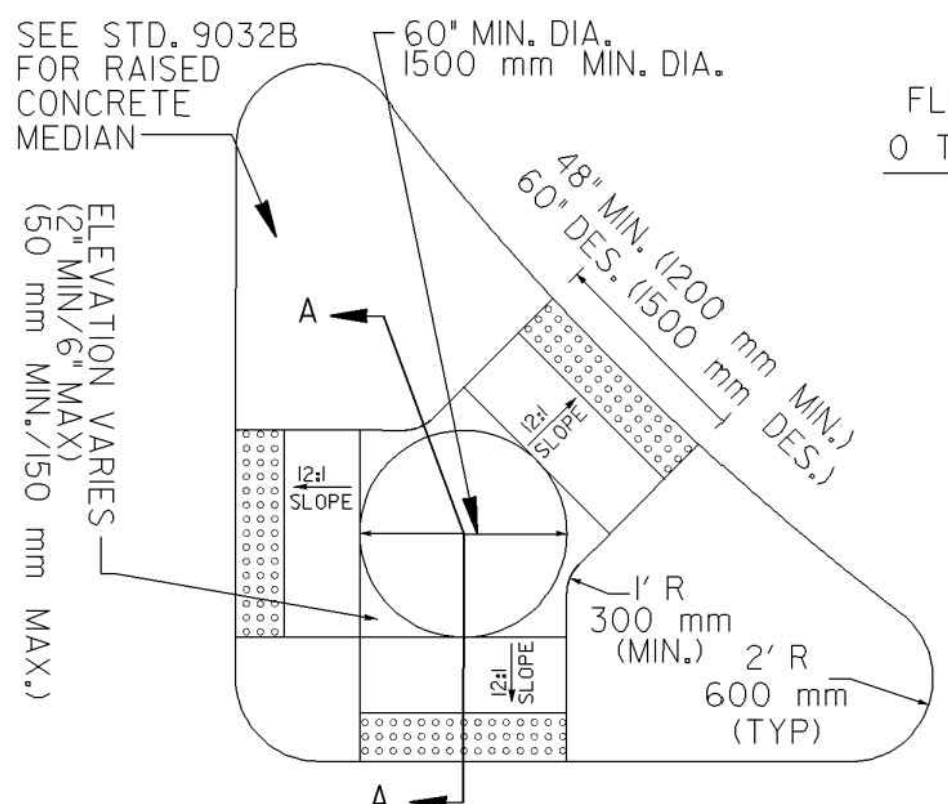
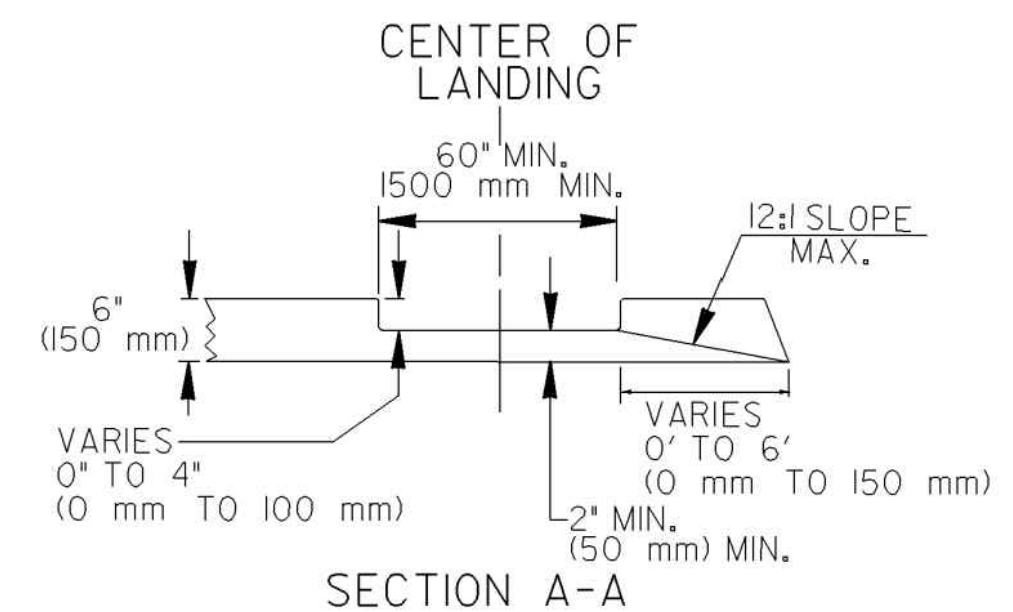
CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

PONCE/CHURCH SIDEWALKS

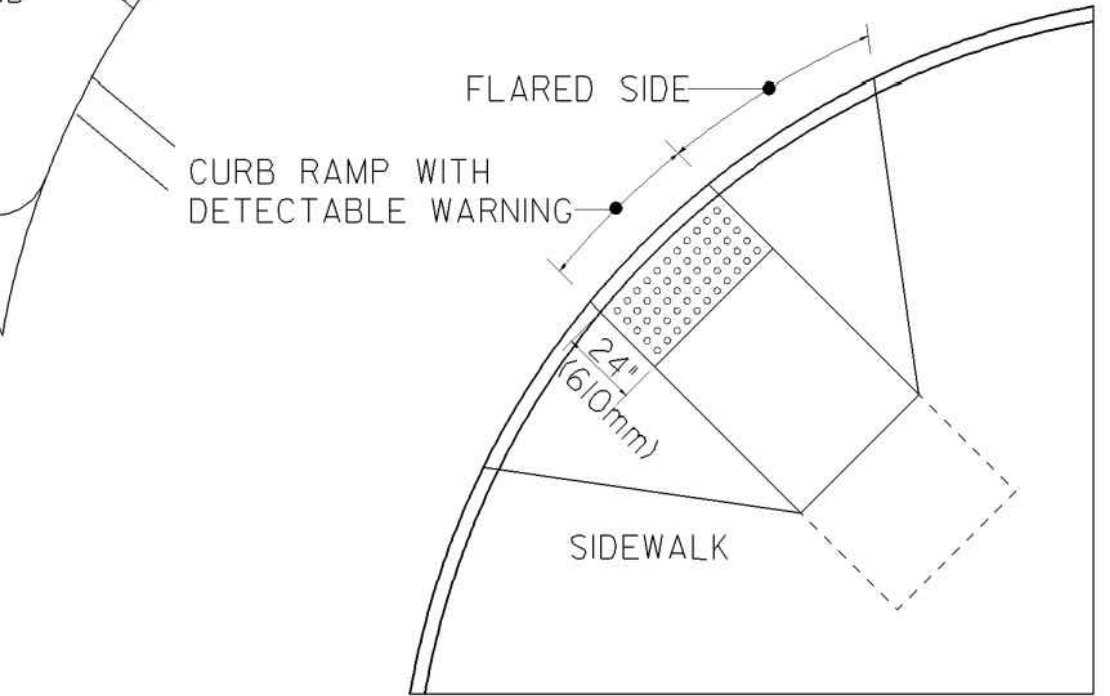
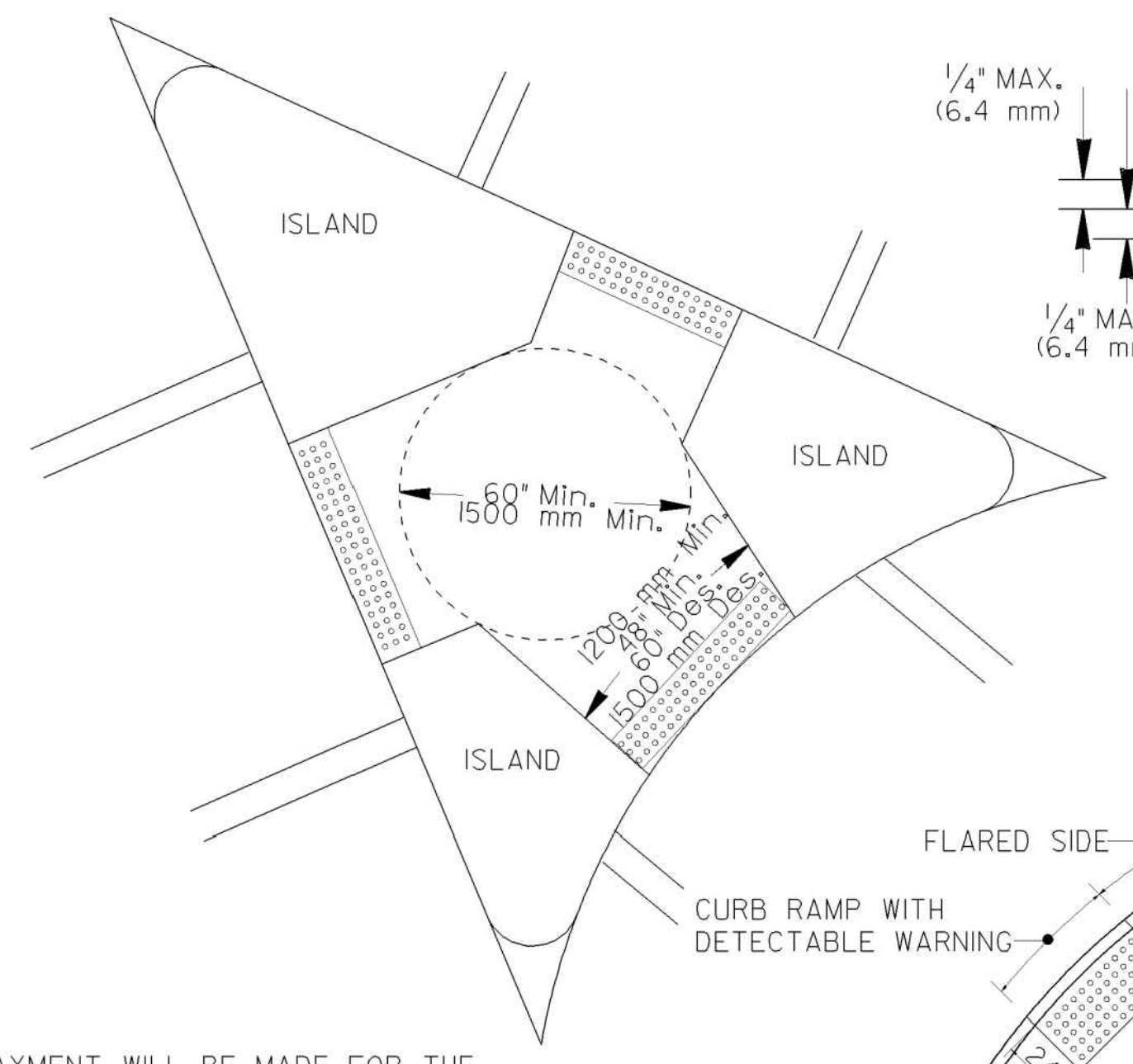
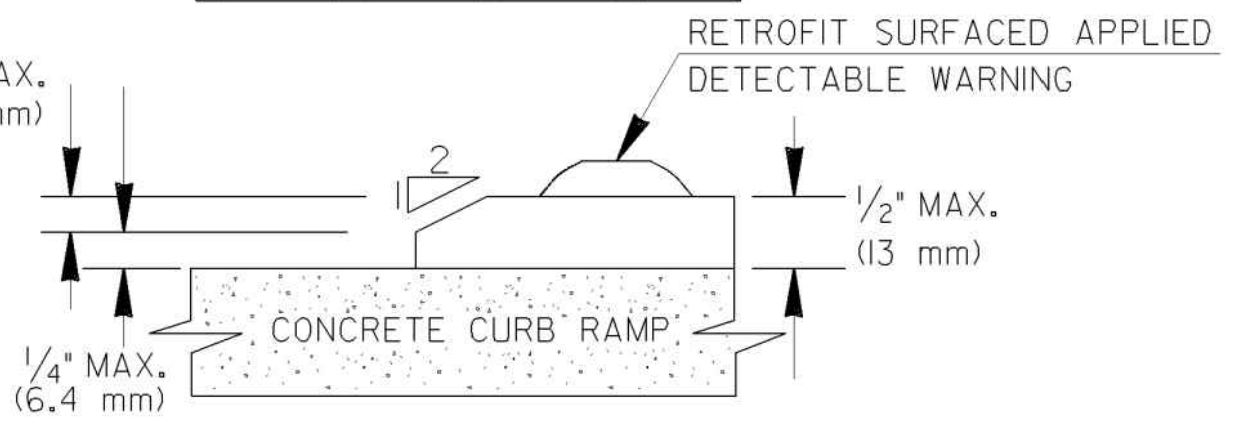
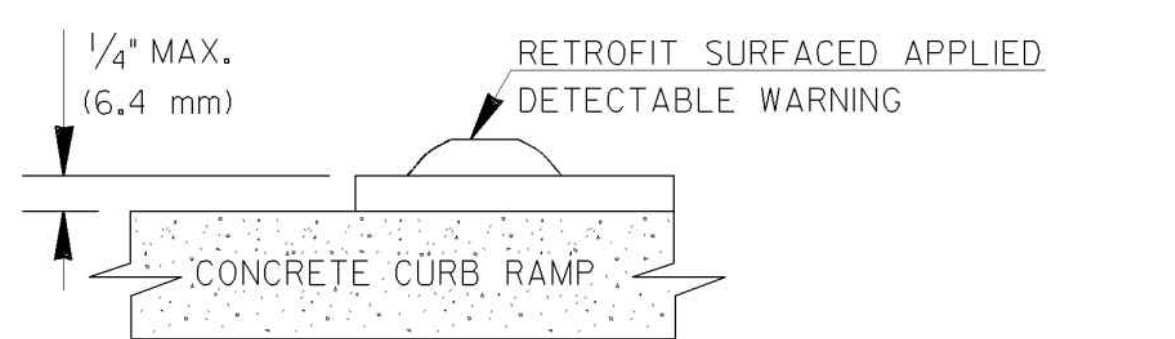
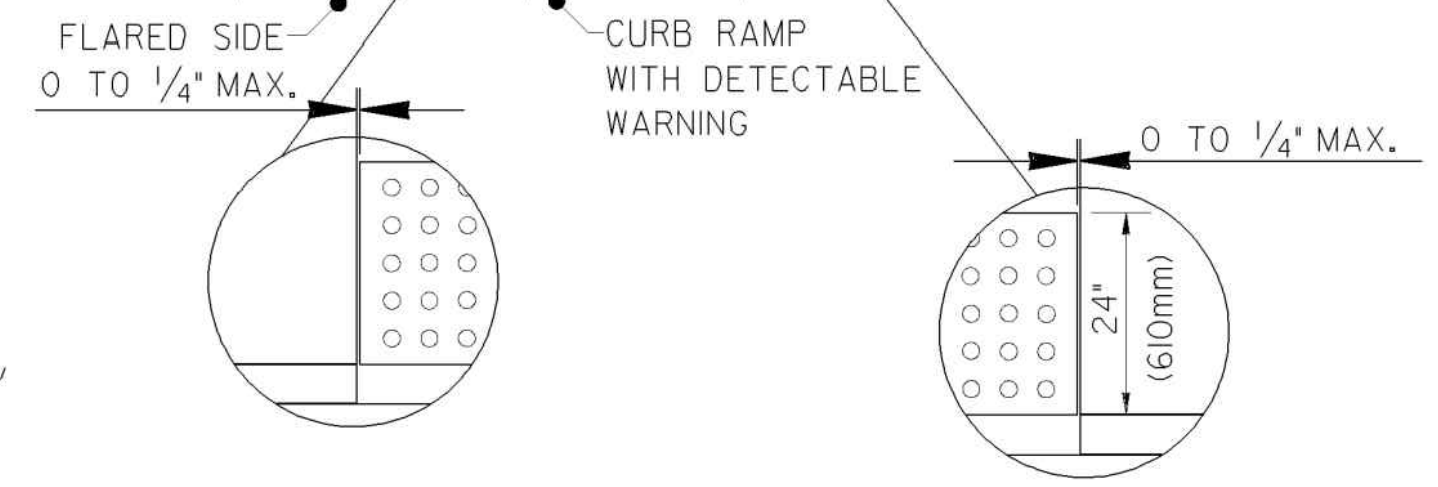
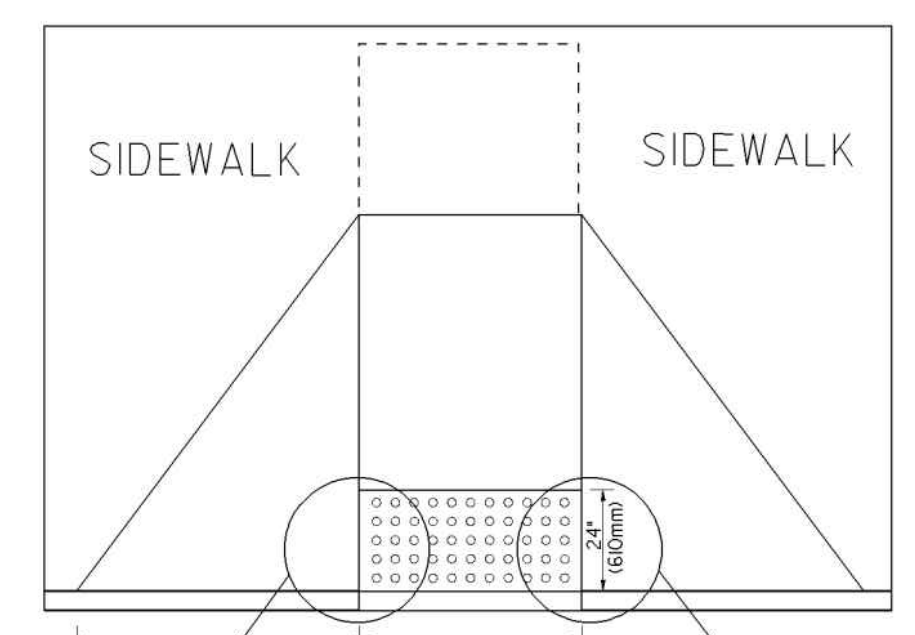
SPECIAL CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
38-002

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



CONCRETE ISLAND WITH ELEVATED CUT THROUGH



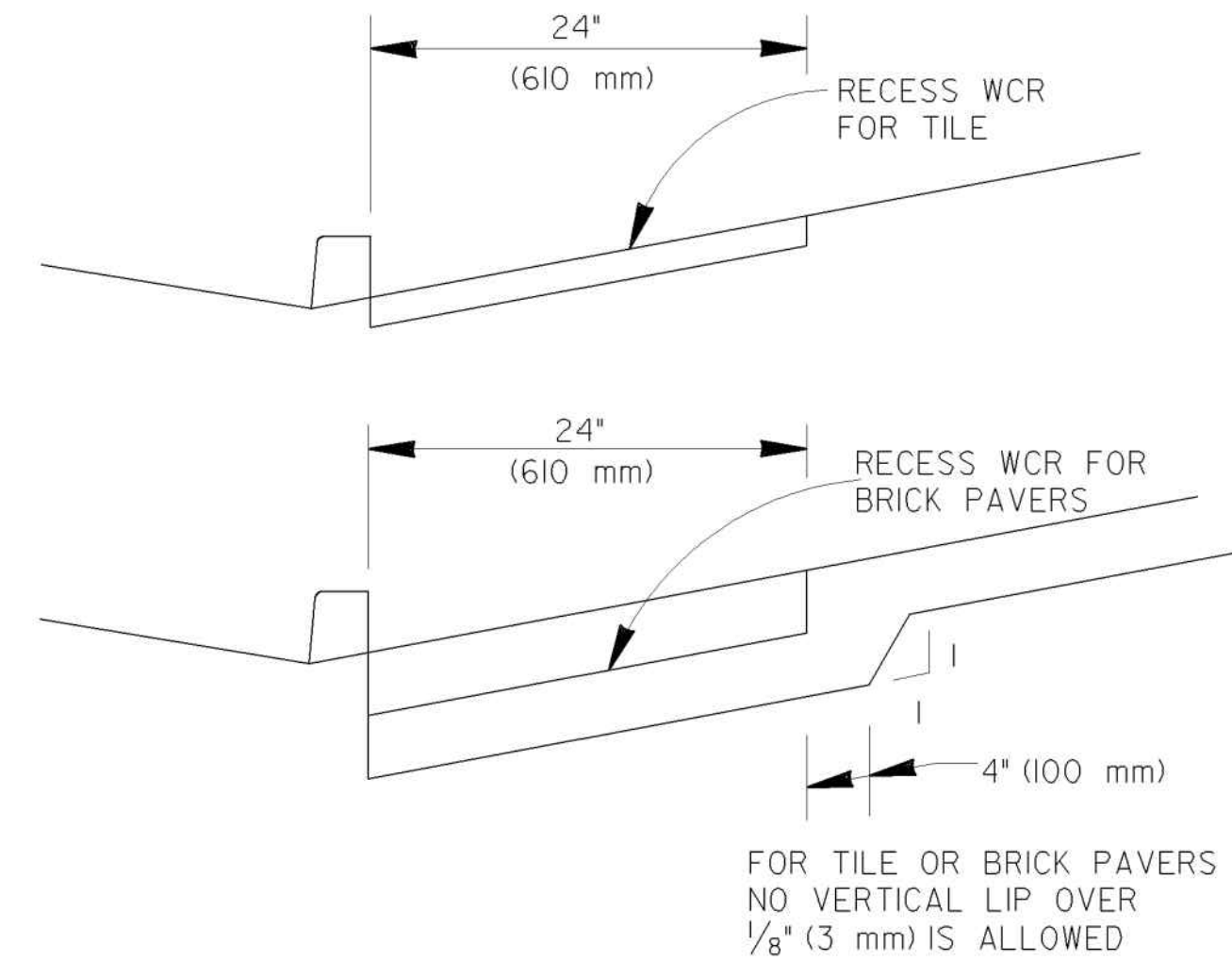
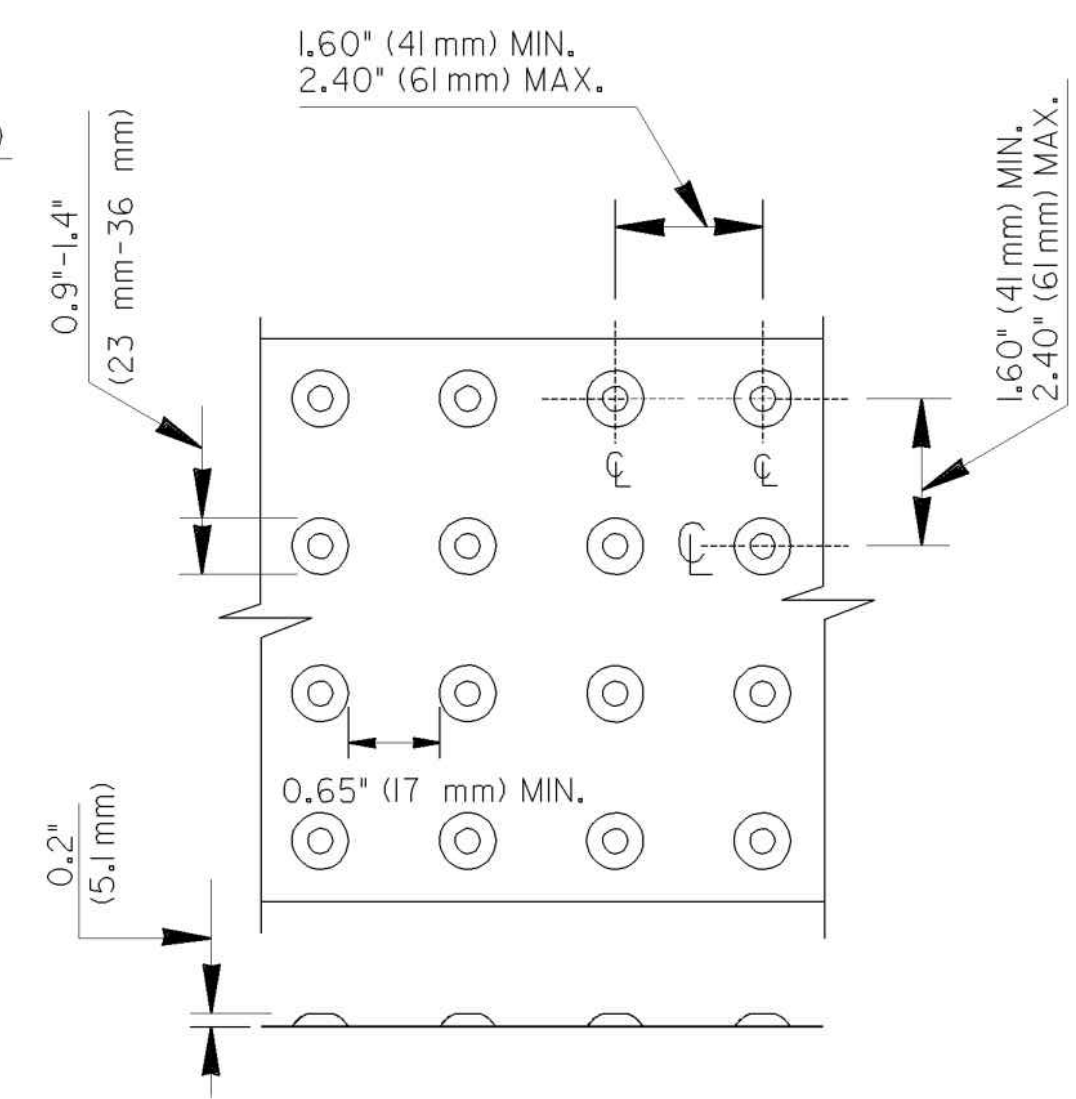
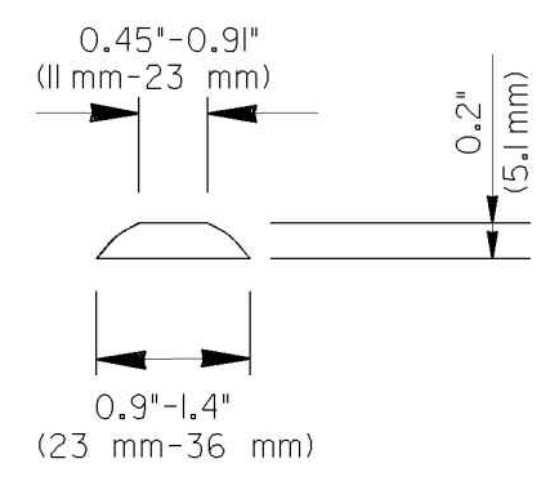
DETAIL FOR DETECTABLE WARNING AT CUT-THRU CONCRETE ISLAND

SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRIAN 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 IS 6 TO 8 INCHES (150 mm TO 180mm) FROM 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.

RETROFIT 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.

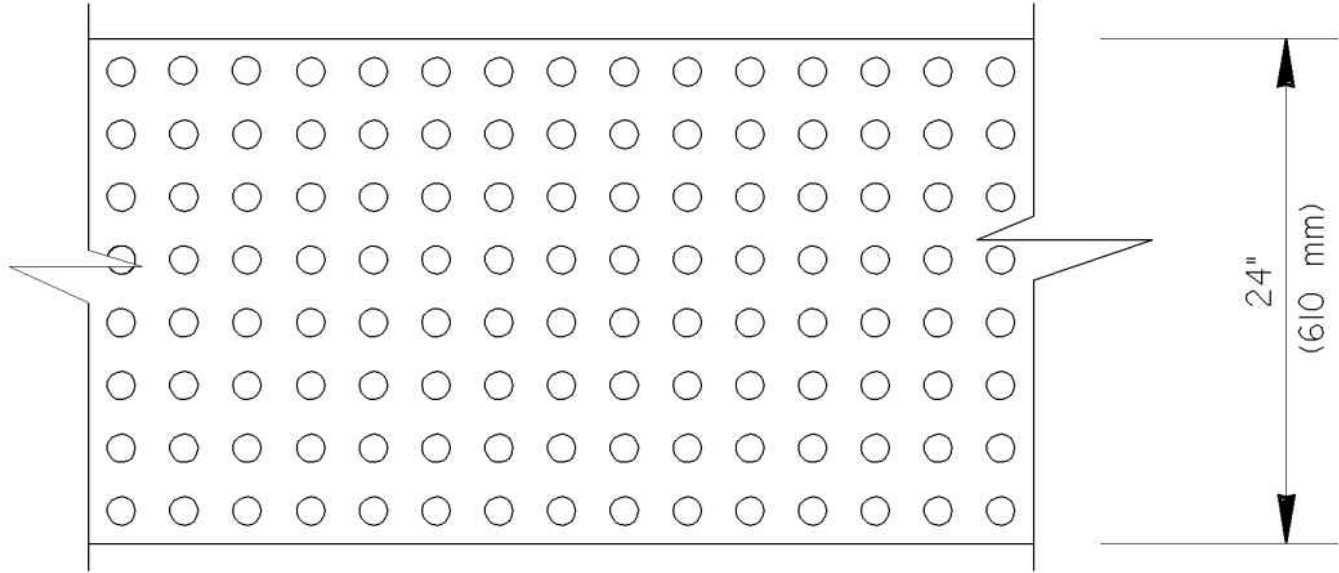
ALL OTHER MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS DETAILS OR INSTRUCTION.

GENERAL NOTES:

- RETROFIT SURFACED APPLIED MATERIALS ONLY:
- CHANGES IN LEVEL OF 1/4" (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED VERTICALLY ON SURFACED APPLIED MATERIALS.
 - 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.

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.



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/TOLERANCE TO DTL.		AND ALIGNMENT REQUIREMENTS	
REVISED/TOLERANCE TO DTL.		NO SCALE	
REVISED/TOLERANCE TO DTL.		MARCH 12, 2002	
REVISED/TOLERANCE TO DTL.		NUMBER	
REVISED/TOLERANCE TO DTL.		A4	

100% SUBMITTAL

DATE	DESCRIPTION	MARK	APPR.
10/12/2019			

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:
DWN BY: SPT	CHK BY: TN	FILE NAME: 40-001.dwg	FILE NUMBER: 02/28/2019
SUBMITTED BY:	PLotted:	SIZE: 22" x 34"	PLOT SCALE: 1" = 1'

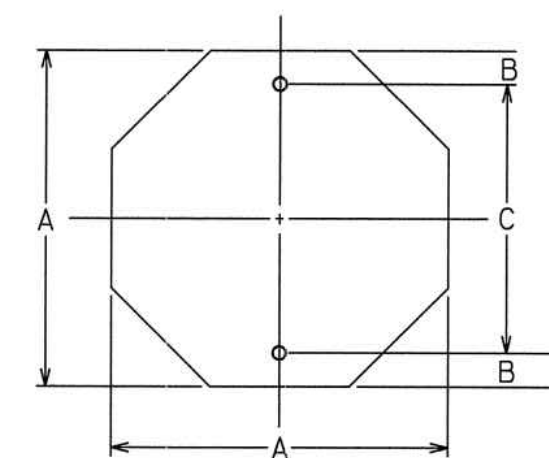
CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

POND
3000 Parkway Lane
Clarkston, GA 30006
Phone 678.389.7740
Fax 678.389.7744

PONCE/CHURCH SIDEWALKS
CONSTRUCTION DETAILS

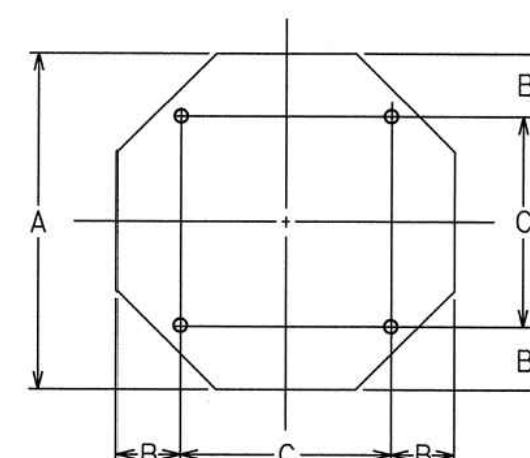
SHEET IDENTIFICATION NUMBER
40-002

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

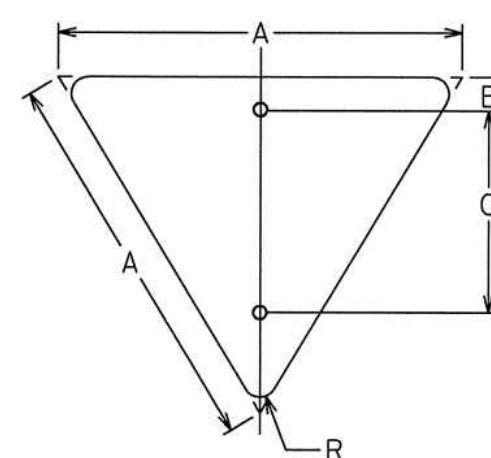


OCTAGON

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

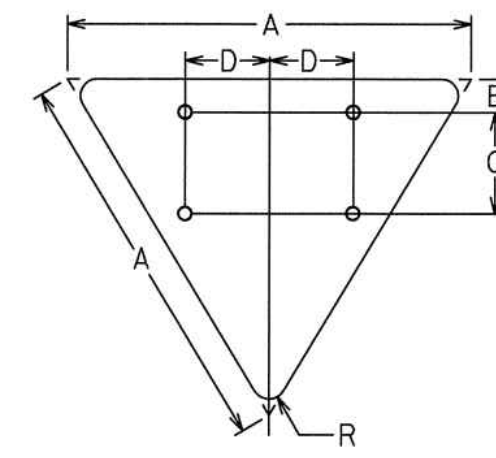


A	B	C
48	9	30

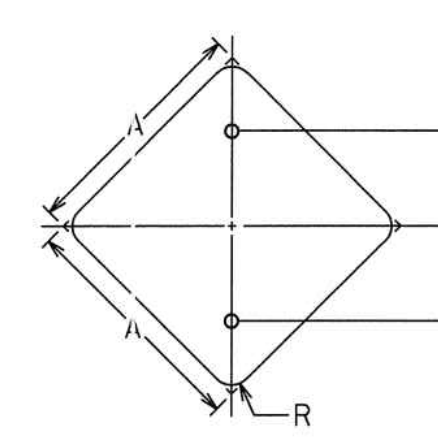


EQUILATERAL TRIANGLE

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

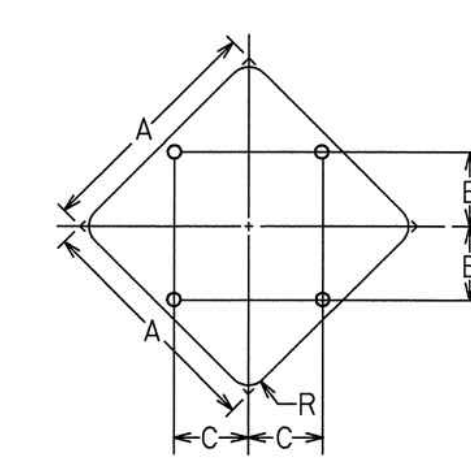


A	B	C	D	R
60	3	18	15	3



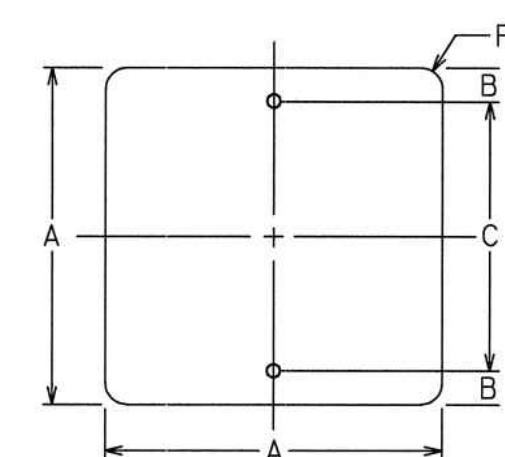
DIAMOND

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



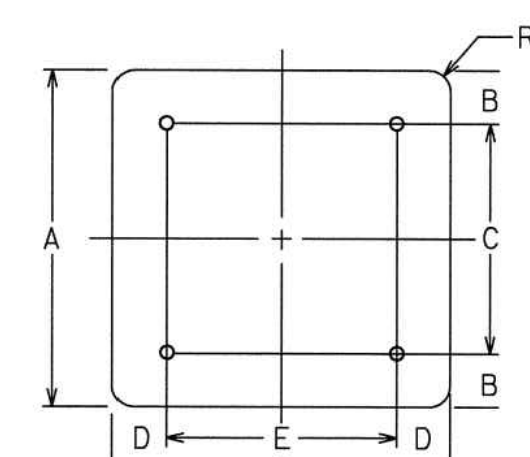
A	B	C	R
36	10	10	2 1/4
48	15	15	3
60	18	18	3 3/4

* FOR TWO POST ERECTION

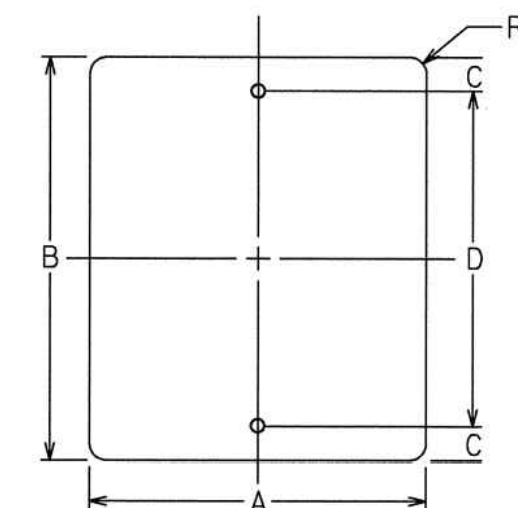


SQUARE

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

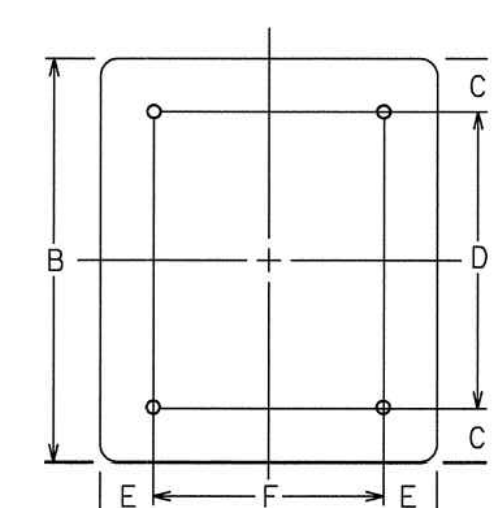


A	B	C	D	E	R
36	6	24	6	24	2 1/4
48	6	36	6	36	3

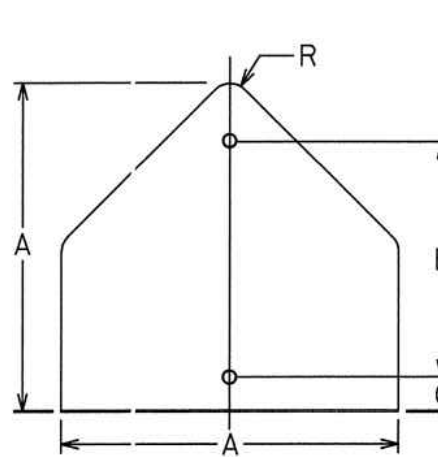


VERTICAL RECTANGLE

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

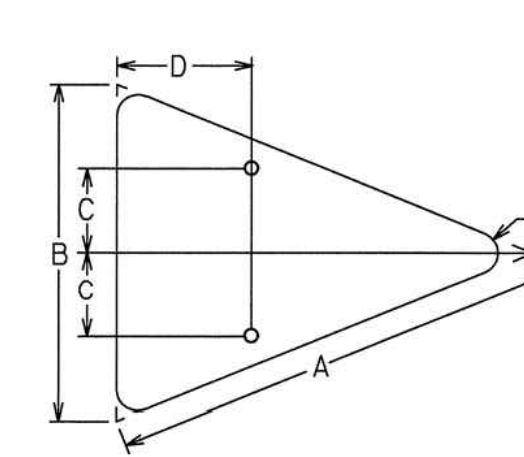


A	B	C	D	E	F	R
36	48	6	36	6	24	2 1/4
48	60	6	48	9	30	3



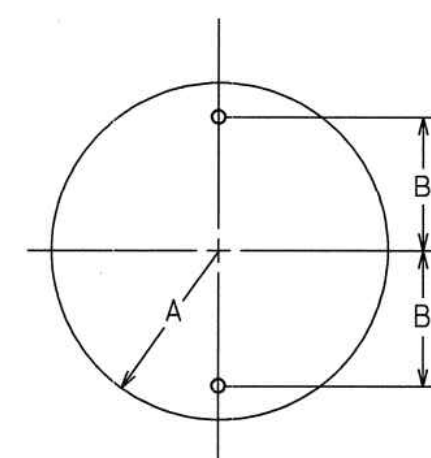
PENTAGON

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



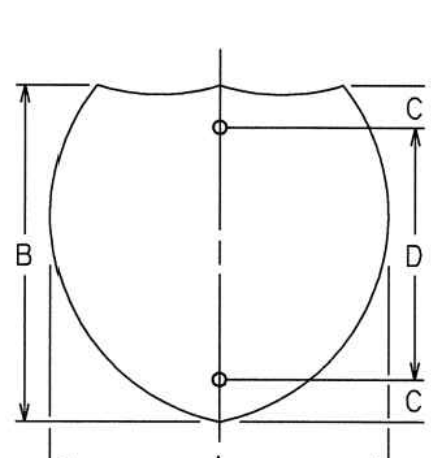
ISOSCELES TRIANGLE

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



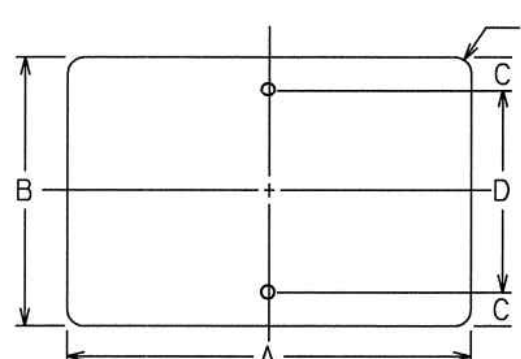
CIRCLE

A	B
15	12
18	15



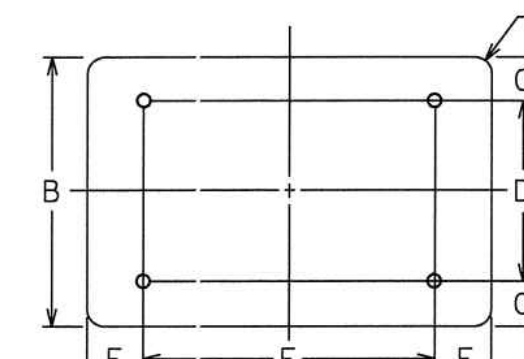
INTERSTATE SHIELD

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



HORIZONTAL RECTANGLE

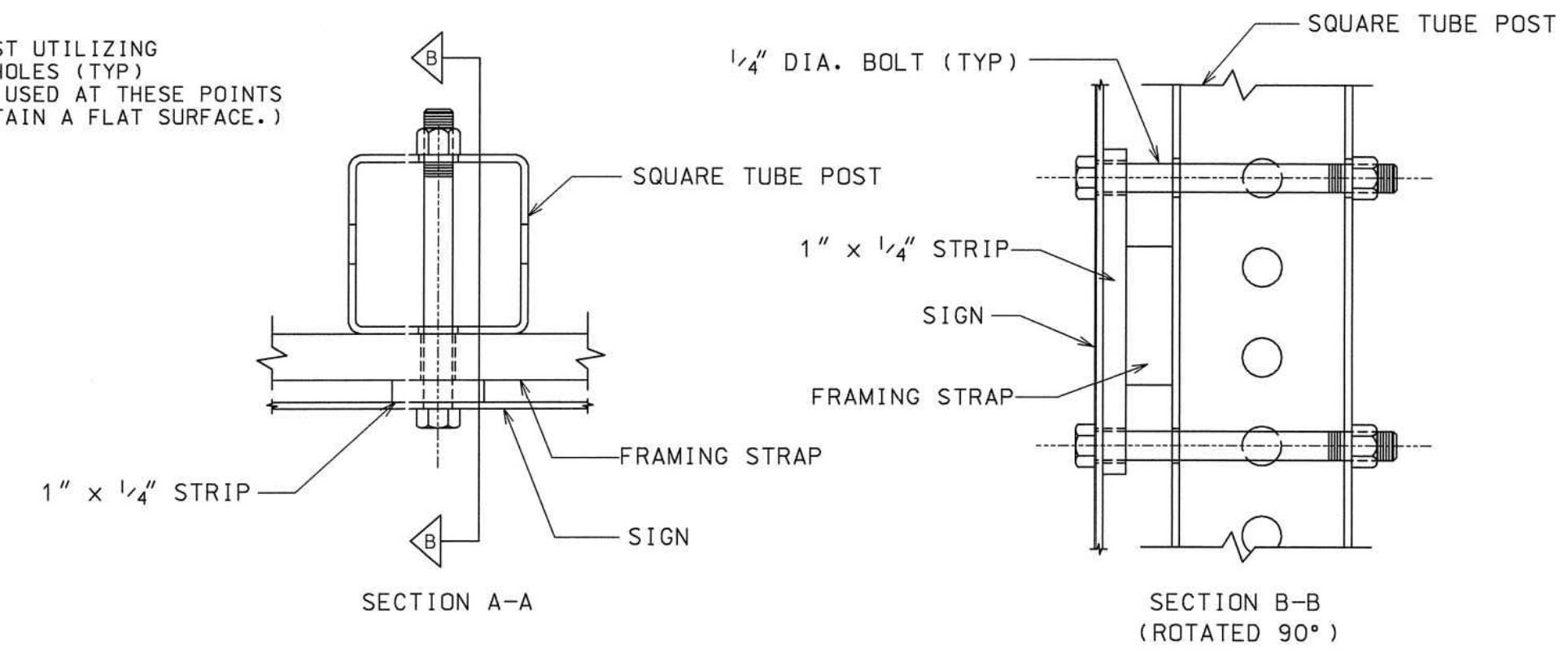
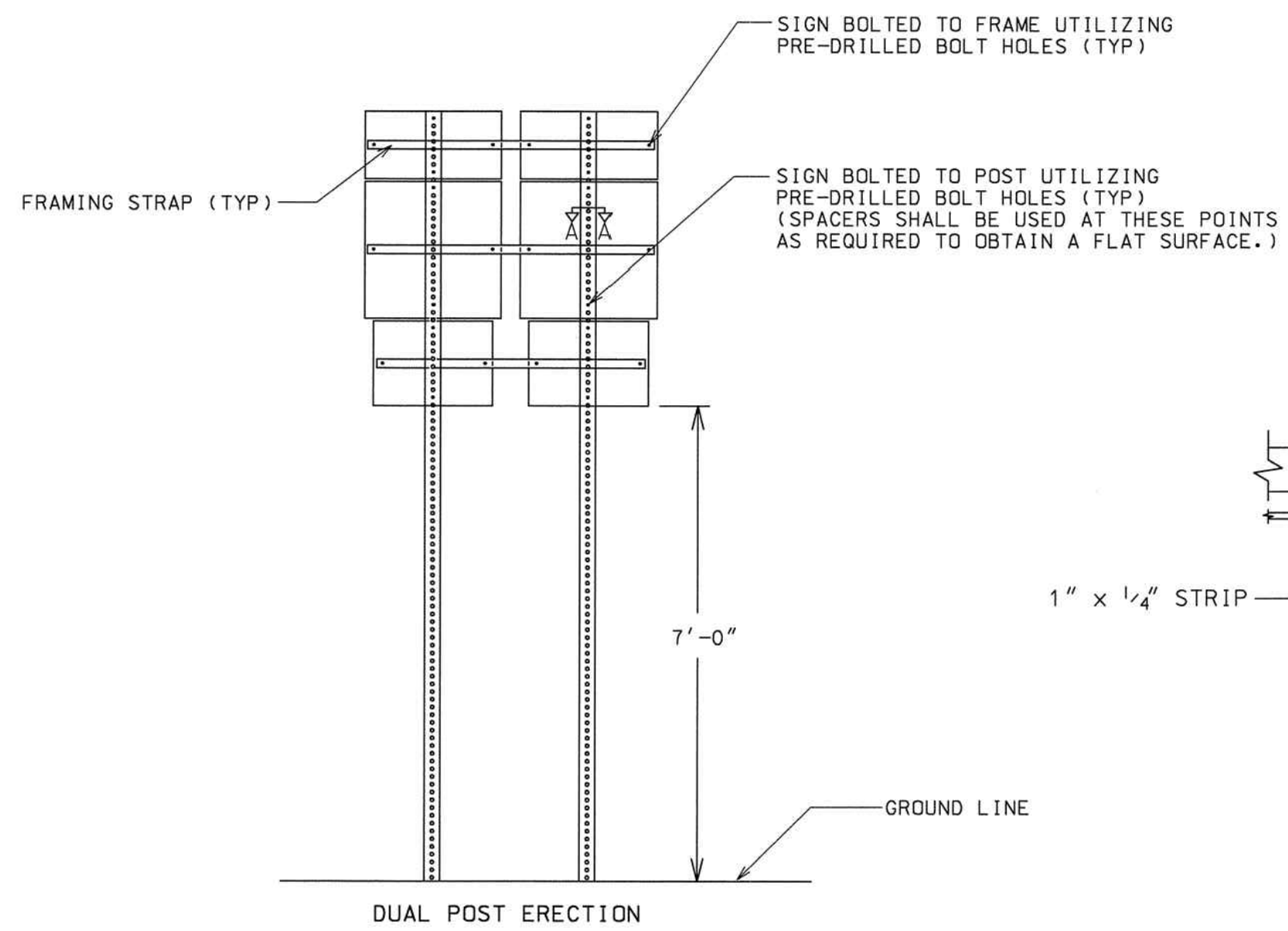
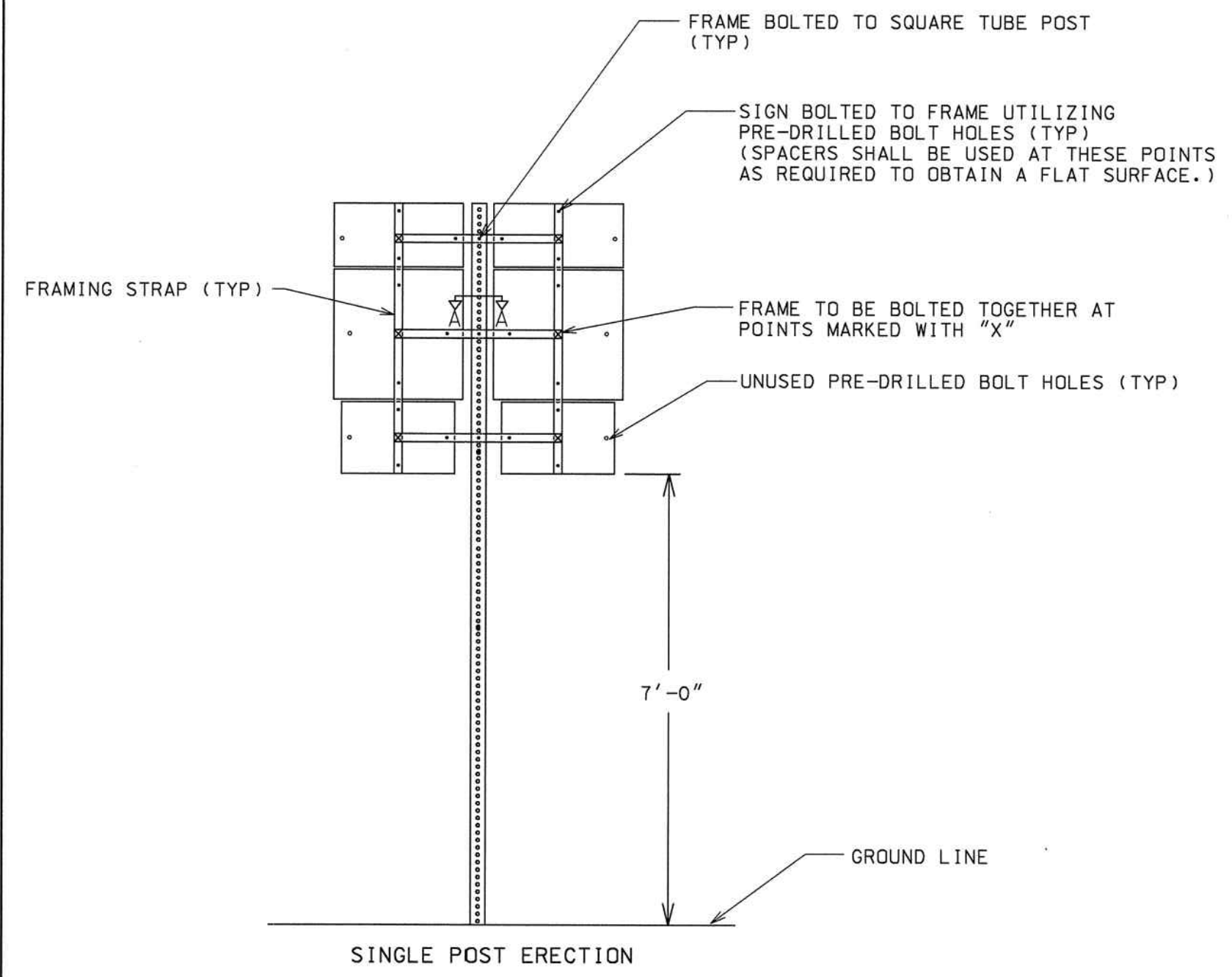
A	B	C	D	R
21	15	1 1/2	12	1 1/2
24	12	1 1/2	9	1 1/2
24	18	3	12	1 1/2
30	15	1 1/2	12	1 1/2
30	24	3	18	1 1/2
36	12	1 1/2	9	1 1/2
36	24	3	18	1 1/2
48	12	1 1/2	9	1 1/2
48	24	3	18	1 7/8



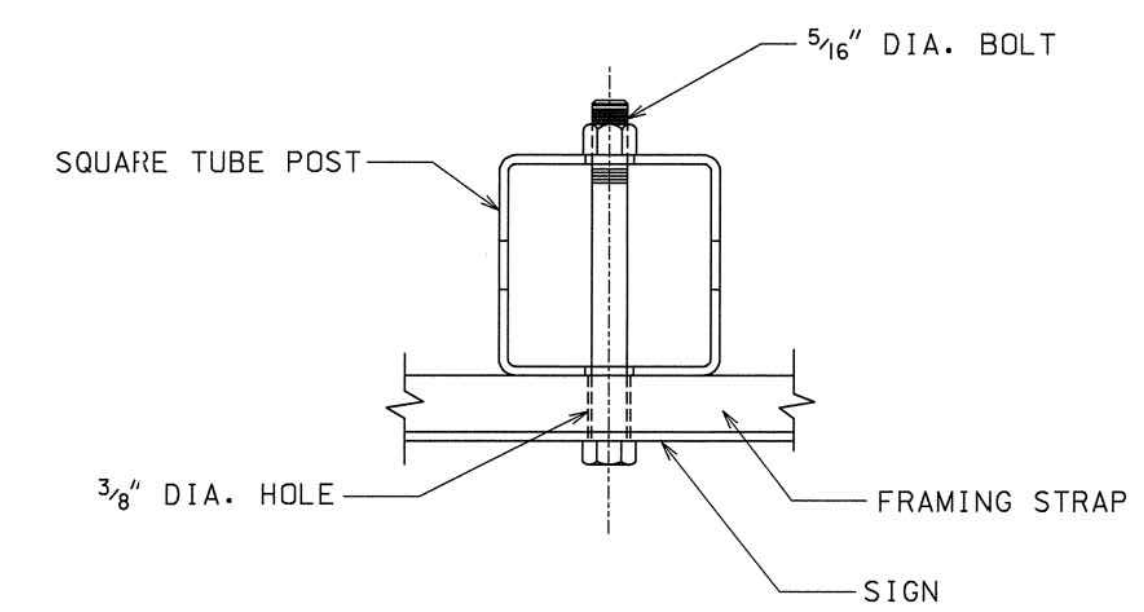
A	B	C	D	E	F	R
48	36	6	24	9	30	2 1/4
60	24	3	18	12	36	1 1/2
60	36	6	24	12	36	2 1/4

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		DETAILS OF SIGN PLATES
		NO SCALE JANUARY 2000

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



OPTION #1 - FRAMING STRAP WITHOUT MOUNTING HOLE
(ALL FRAMING STRAPS SHALL BE 1 1/2" x 1/2" x REQUIRED LENGTH)



OPTION #2 - FRAMING STRAP WITH MOUNTING HOLE
(ALL FRAMING STRAPS SHALL BE 2" x 1/2" x REQUIRED LENGTH)

TYPICAL ASSEMBLY UNIT (BACK VIEW)

- GENERAL NOTES:
1. STYLE OF FRAMING IS OPTIONAL. ALTERNATE DESIGNS ARE ACCEPTABLE UPON APPROVAL OF THE ENGINEER. FRAME SHALL BE DESIGNED SO AS TO HOLD THE ASSEMBLY IN A FIXED, RIGID POSITION.
 2. FRAMING STRAPS SHALL BE GALVANIZED STEEL OR ALUMINUM.
 3. STEEL SHALL BE A.S.T.M. DESIGNATION A-283, GRADE D, GALVANIZED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-123.
 4. ALUMINUM SHALL BE ALLOY 6061-T6.
 5. BOLTS, NUTS, WASHERS, AND SPACERS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
 6. FRAMING STRAPS ON A DUAL POST ERECTION SHALL NOT BE BOLTED TO THE POST.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC OPERATIONS
3/31/00	CHANGED U-CHANNEL POST TO SQUARE TUBE POST	DETAILS FOR TYPICAL FRAMING
		NO SCALE JANUARY 2000

T-2

100% SUBMITTAL	DATE	APPR.

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/26/2019
DWN BY: SPT	CHK BY: TN			FILE NAME: 40-001.dwg	PLOT SCALE: 22" x 34" 1:1
SUBMITTED BY:				SIZE: 22" x 34"	

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

POND

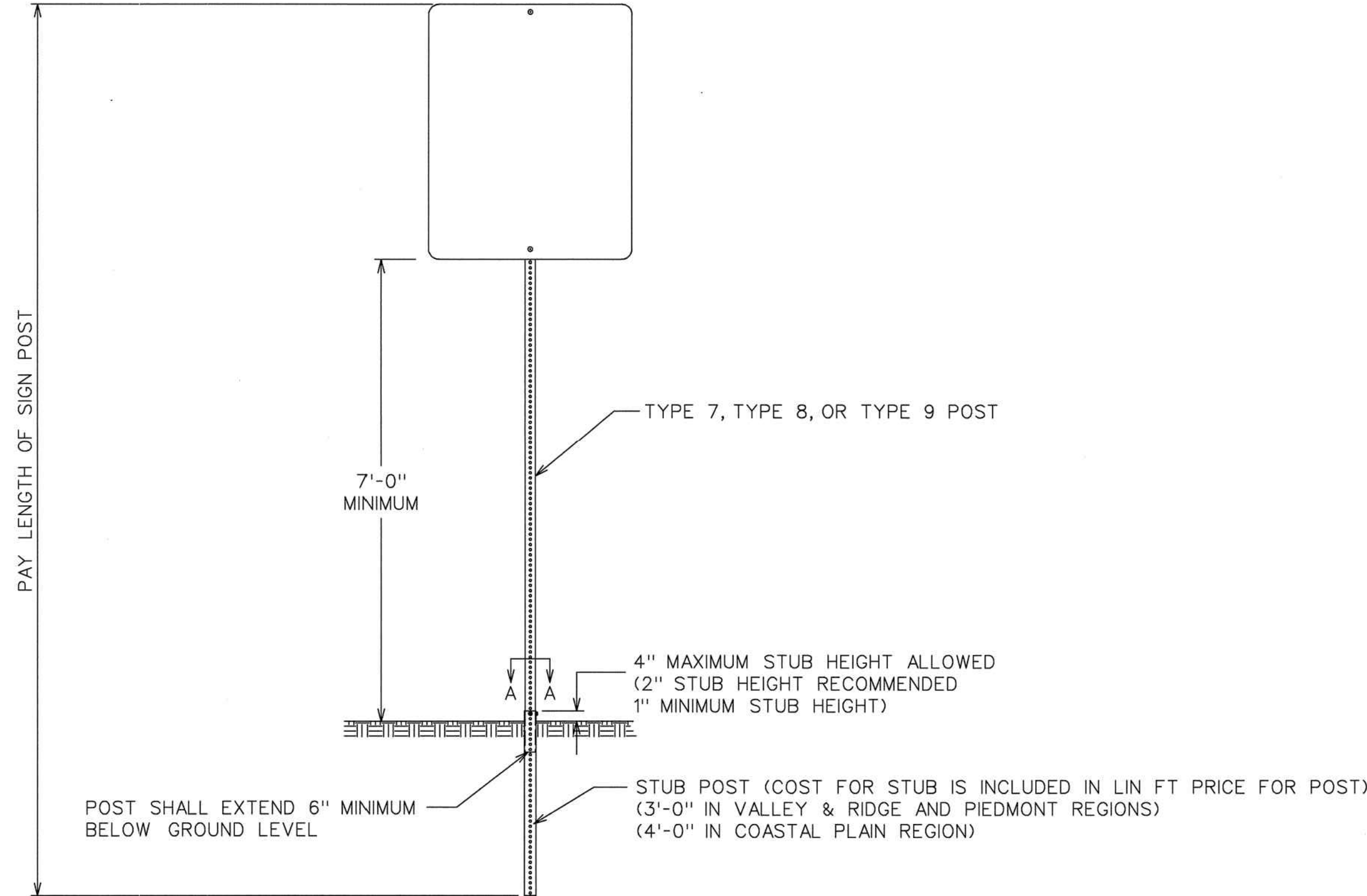
3000 Parkway Lane GA
30092 SUITE 500
Phone 678.338.7740
Fax 678.338.7744
POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS

CONSTRUCTION DETAILS

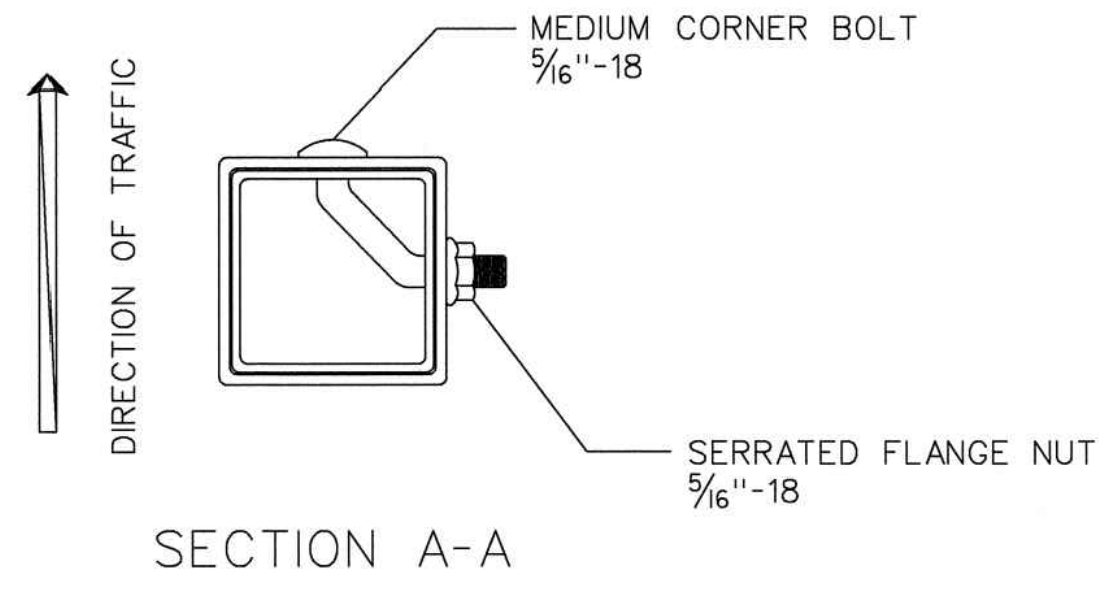
SHEET IDENTIFICATION NUMBER
40-004

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



FRONT VIEW

POST	STUB SIZE
TYPE 7	2 1/4" x 2 1/4"
TYPE 8	2 3/4" x 2 3/4"
TYPE 9	2 1/2" x 2 1/2"



SECTION A-A

SIGN POST SELECTION CHART

70 MPH Wind Load Chart + 15% Gust Factor

Sign Centroid	SLIP BASE NOT REQUIRED				GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED				
	TYPE 7 2" 14 ga.	TYPE 9 2-1/4" 14 ga.	TYPE 8 2-1/2" 12 ga.	TYPE 8 2-1/2" 12 ga.	TYPE 8 2-1/2" 12 ga.	TYPE 8 w / TYPE 9 Insert 2-1/2" 12 ga. W / 2-1/4" 14 ga.	TYPE 8 2-1/2" 12 ga.	TYPE 8 w / TYPE 9 Insert 2-1/2" 12 ga. W / 2-1/4" 14 ga.	TYPE 8 2-1/2" 12 ga.
	1 Post	2 Post	1 Post	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
	SQUARE FOOTAGE				SQUARE FOOTAGE				
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.80	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN PLUS HALF THE HEIGHT OF SIGN.
EXAMPLE: 24" X 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24" OR 2 FT) PLUS 7 FT. = 9' CENTROID.

- SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.
- TYPE 9 INSERT SHALL BE A CONTINUOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.
- GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 636-3010.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL
		NO SCALE JULY 2002

T-3A

100% SUBMITTAL	1/31/2019	MARK	DATE	APPR.

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:
DWN BY: SPT	CHK BY: TN	CONTRACT NO.:
SUBMITTED BY:	FILE NAME:	FILE NUMBER:
	40-001.dwg	
	SIZE: 22" x 34"	PLOT SCALE: 1" = 1'
		PLOT DATE: 02/26/2019

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

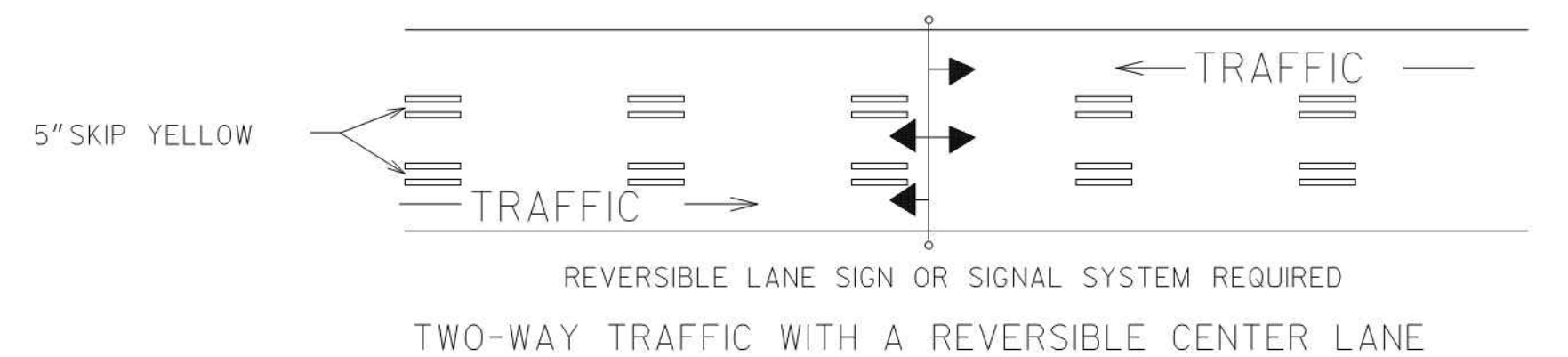
POND
POND PROJECT No. 1190154

3000 Parkway Lane
30006 SUITE 500
Phone 678.389.7740
Fax 678.389.7744

PONCE/CHURCH SIDEWALKS
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-005

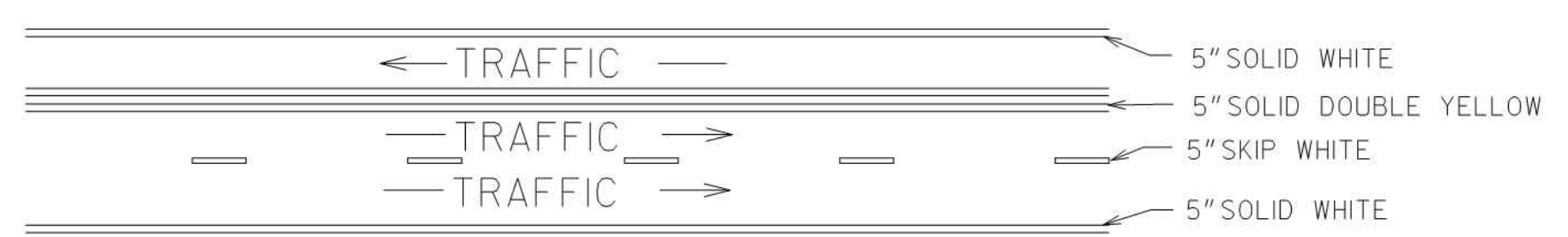
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



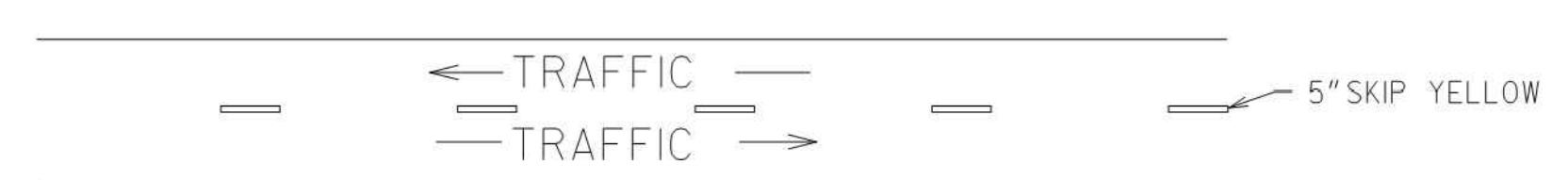
REVERSIBLE LANE SIGN OR SIGNAL SYSTEM REQUIRED
TWO-WAY TRAFFIC WITH A REVERSIBLE CENTER LANE



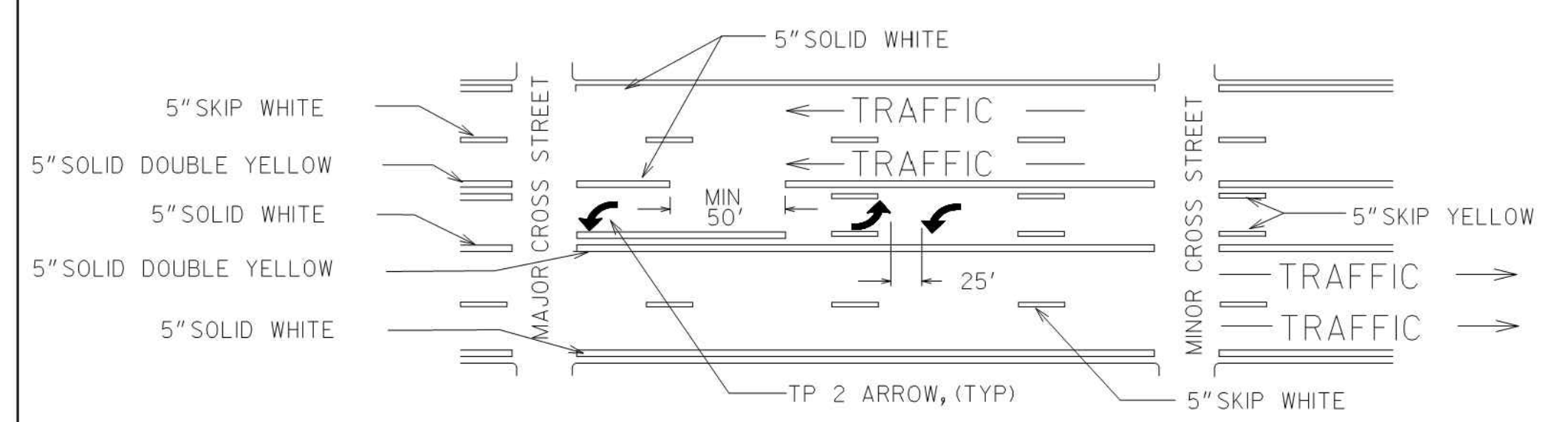
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE PERMITTED TO PASS



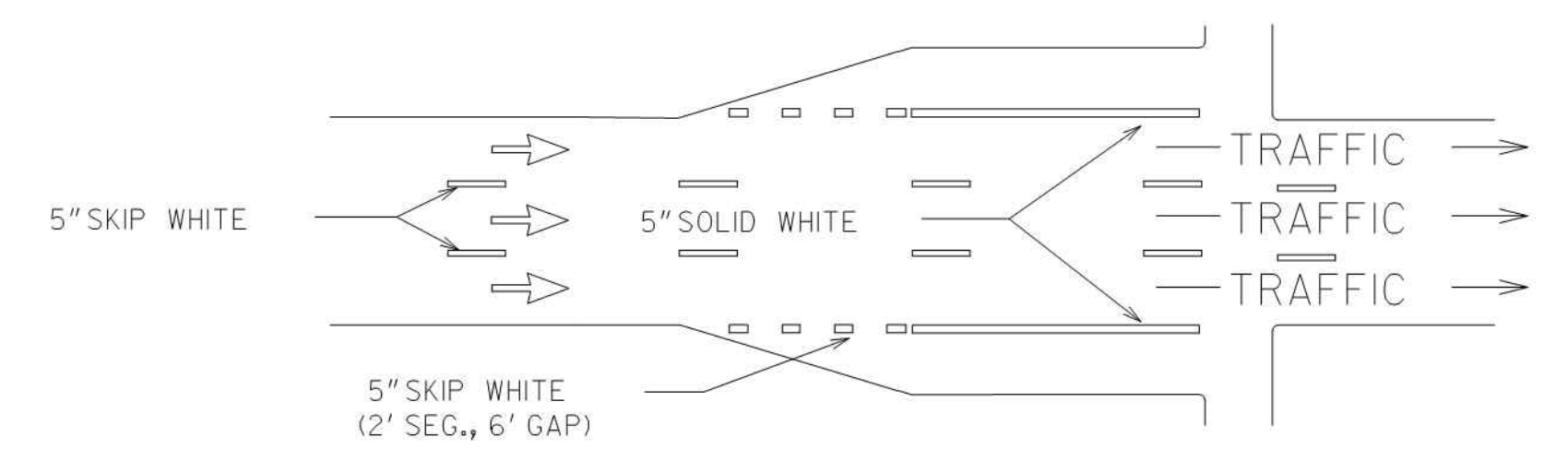
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE NOT PERMITTED TO PASS



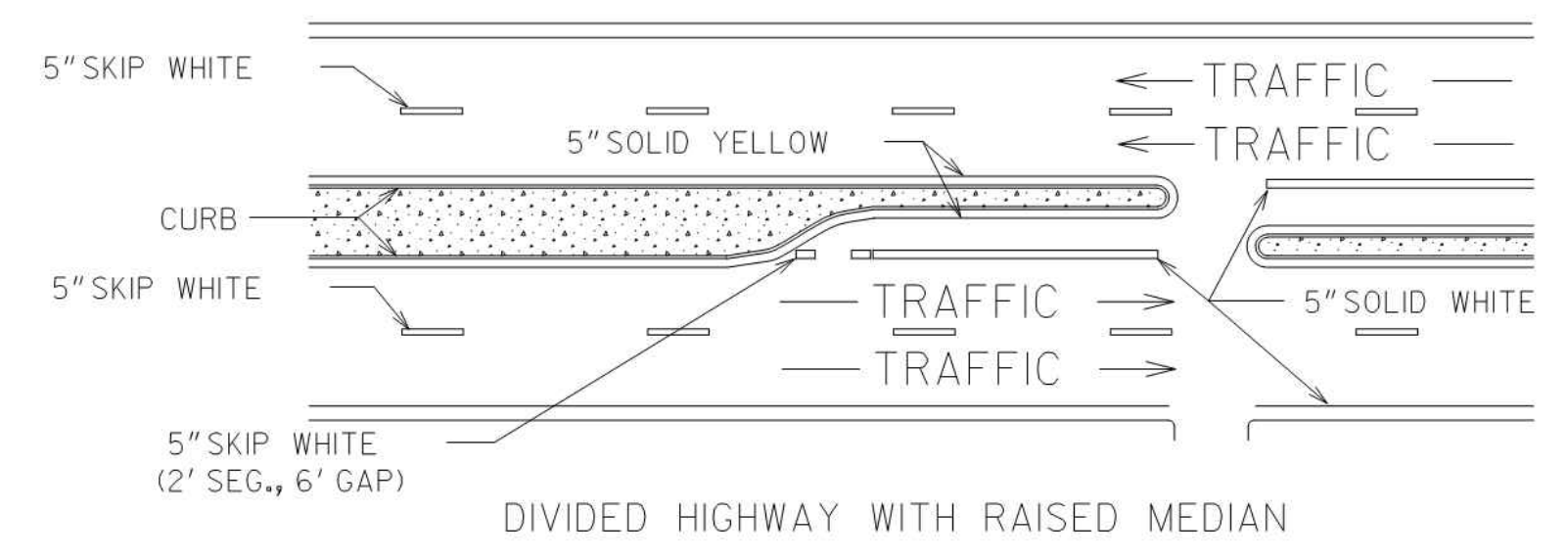
TWO-LANE, TWO-WAY TRAFFIC WITH PASSING PERMITTED



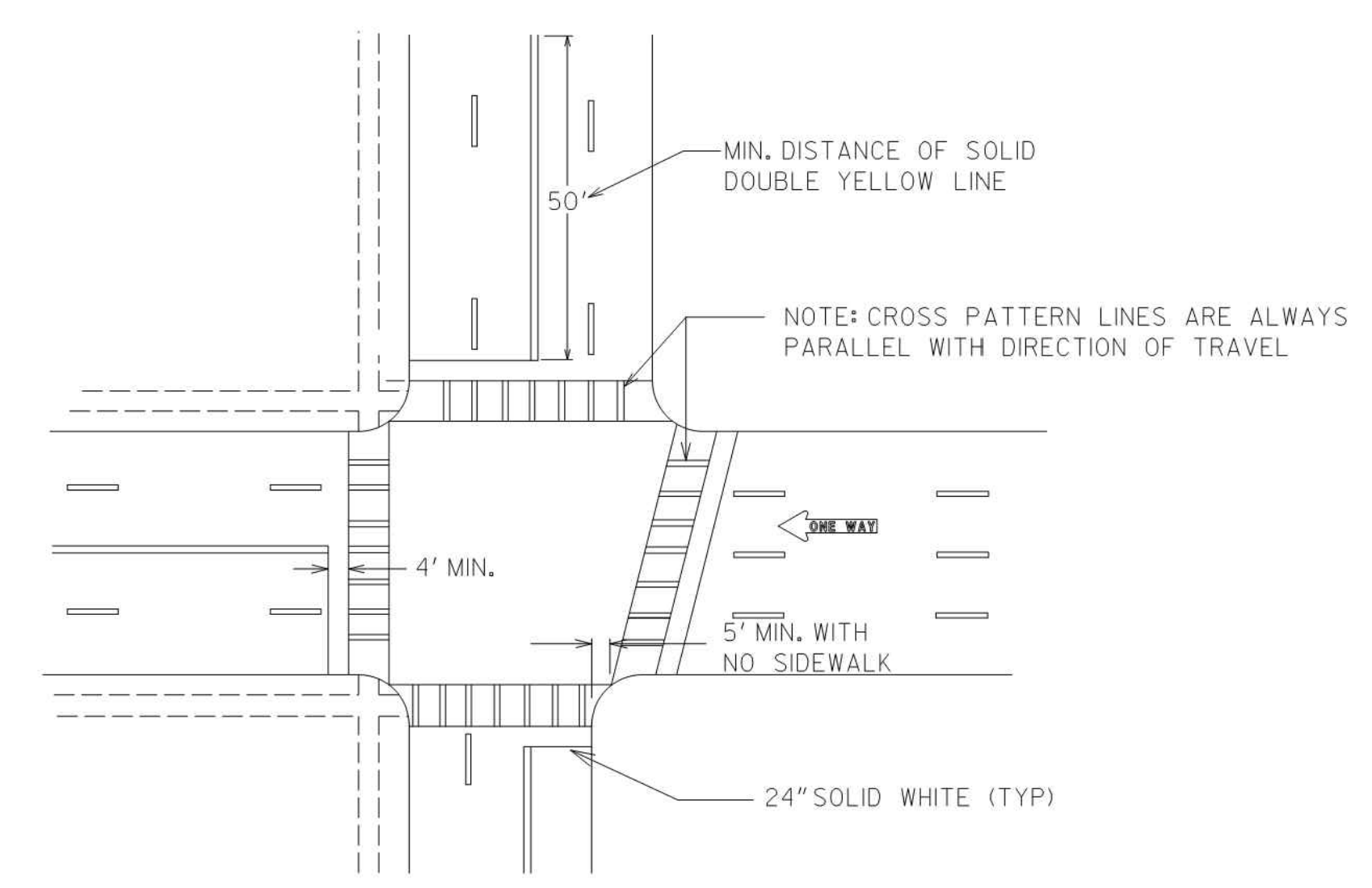
MULTI-LANE, TWO-WAY TRAFFIC WITH SINGLE LANE, TWO-WAY LEFT TURN CHANNELIZATION



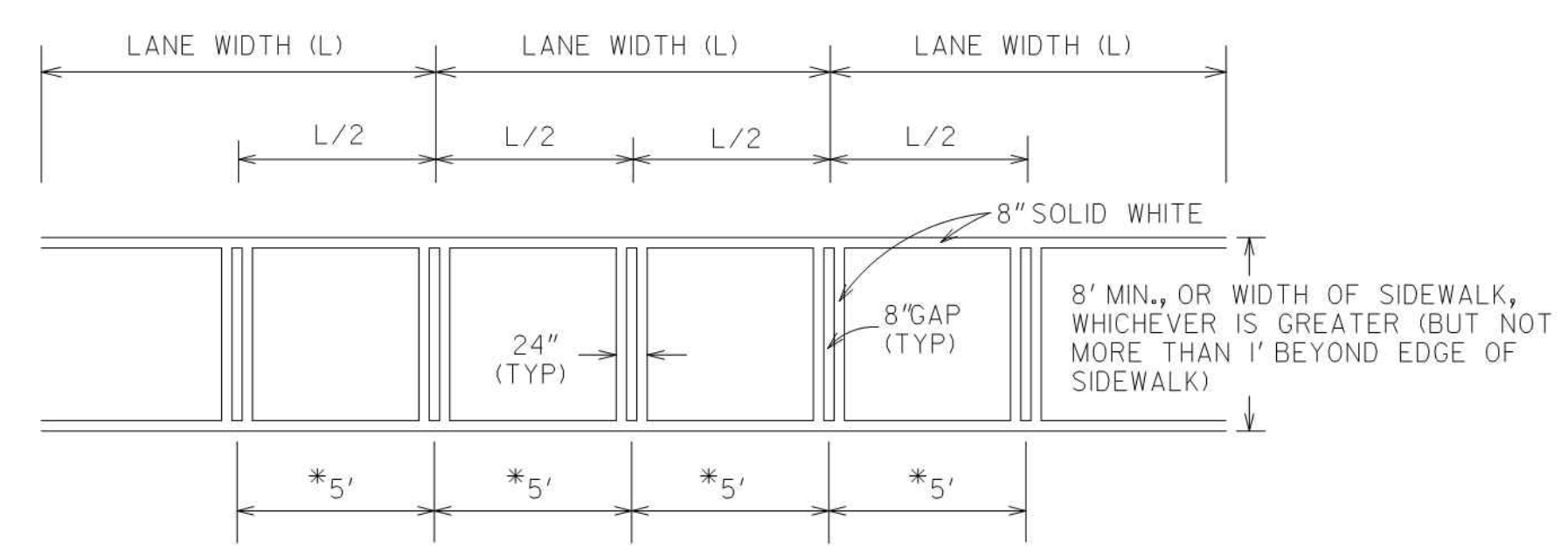
ONE-WAY TRAFFIC WITH ADDED TURN LANES



DIVIDED HIGHWAY WITH RAISED MEDIAN



TYPICAL LOCATION OF CROSSWALKS AND STOP BARS



*USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANE LINES HAVE BEEN OMITTED

CROSSWALK DETAIL

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-IIB.

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

DATE	DESCRIPTION	MARK	APPR.
1/31/2019	100% SUBMITTAL		

DESIGNED BY: RBJ	DATE: 2/22/2019
DWN BY: JTN	SOLICITATION NO.:
SUBMITTED BY:	CONTRACT NO.:
FILE NAME: 40-001.dwg	FILE NUMBER:
SIZE: 22" x 34"	PLOT DATE: 02/26/2019
	PLOT SCALE: 1" = 11'

CITY OF CLARKSTON SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK	3000 Parkway Lane Clarkston, GA 30006 Phone 678.388.7740 Fax 678.388.7744
---	--

POND POND PROJECT No. 1190154	CONSTRUCTION DETAILS
----------------------------------	----------------------

SHEET IDENTIFICATION NUMBER 40-006

1/31/2019	100% SUBMITTAL	MARK	DATE	APPR.
-----------	----------------	------	------	-------

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/26/2019
DWN BY: JTN	CHK BY: JTN	40-001		40-001	
SUBMITTED BY:		FILE NAME:	FILE NUMBER:	FILE NUMBER:	FILE NUMBER:
		40-001.dwg			
		SIZE: 22" x 34"	PLOT SCALE: 1" = 11'		

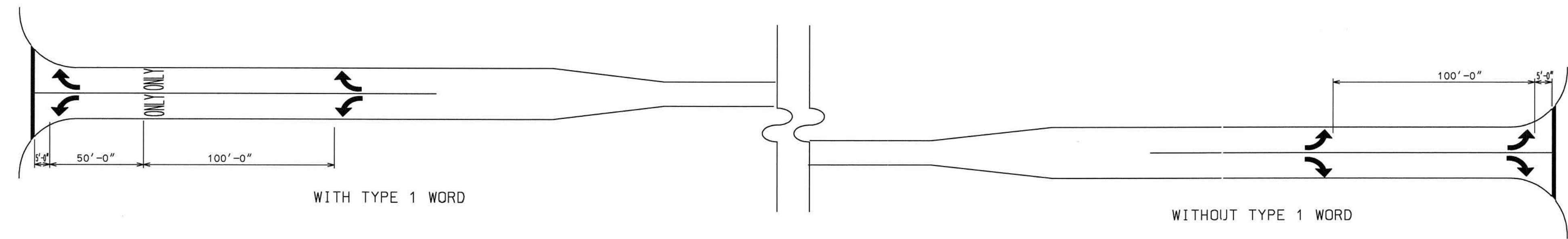
CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK
POND
 3000 Parkway Lane
 Clarkston, GA 30009
 Phone: 678.338.7740
 Fax: 678.338.7744
 POND PROJECT No.: 1190154

PONCE/CHURCH SIDEWALKS
 CONSTRUCTION DETAILS

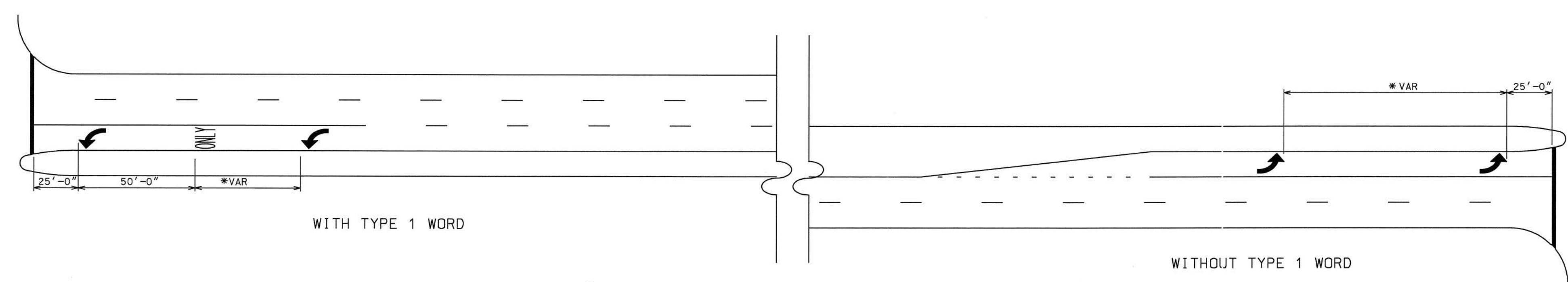
SHEET IDENTIFICATION NUMBER
40-007

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

EXIT RAMP

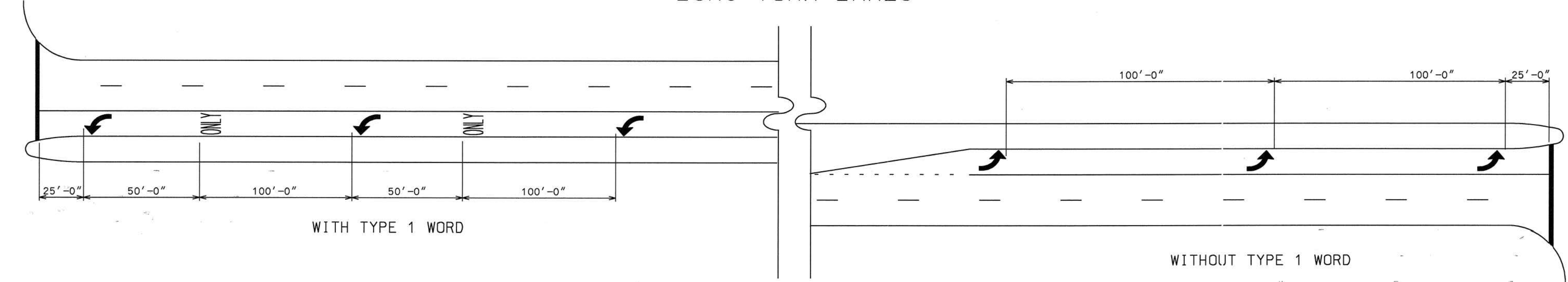


SHORT TURN LANES



*ADJUST TO MEET LOCAL CONDITIONS (NOT LESS THAN 50' NOR MORE THAN 100')

LONG TURN LANES



GENERAL NOTES:

1. SPACING OF TYPE 2 ARROW IS REPRESENTATIVE OF SPACING FOR TYPE 1, TYPE 3, TYPE 4, & TYPE 5 ARROWS.
2. ALL TURNING LANES SHALL HAVE A MINIMUM OF 2 ARROWS.
3. GROUND MOUNTED OR OVERHEAD SIGNING SHALL BE SUPPLEMENTED BY TYPE 1 WORD.

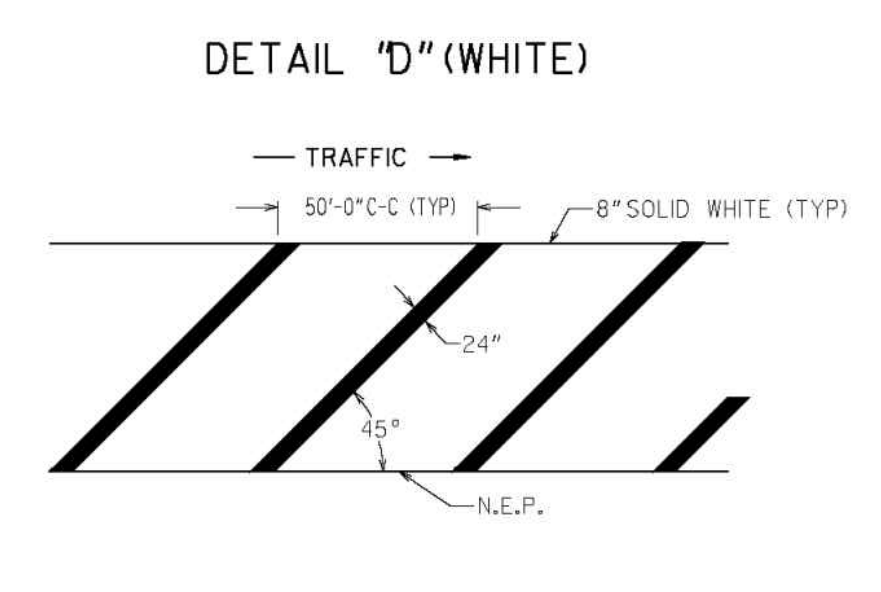
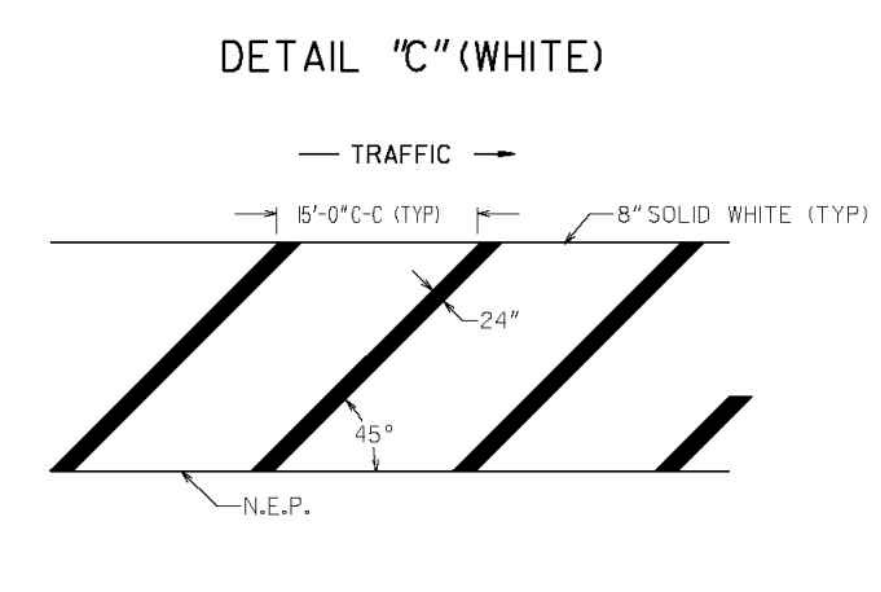
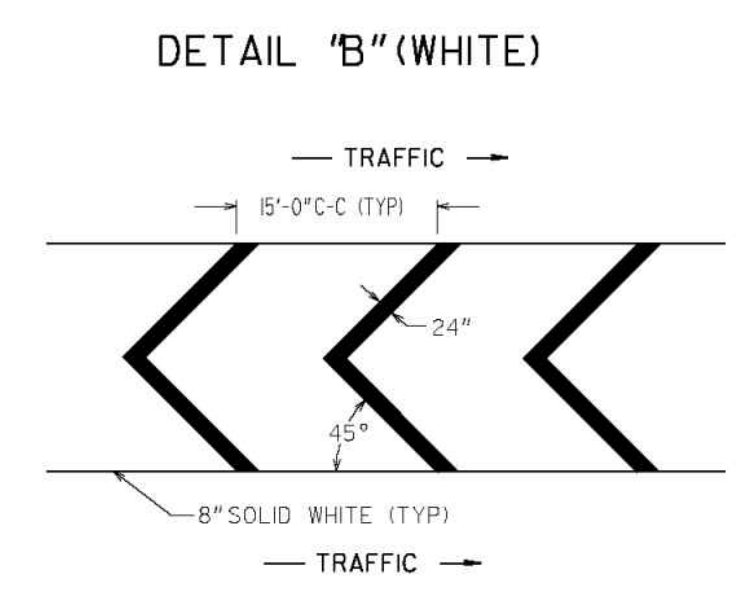
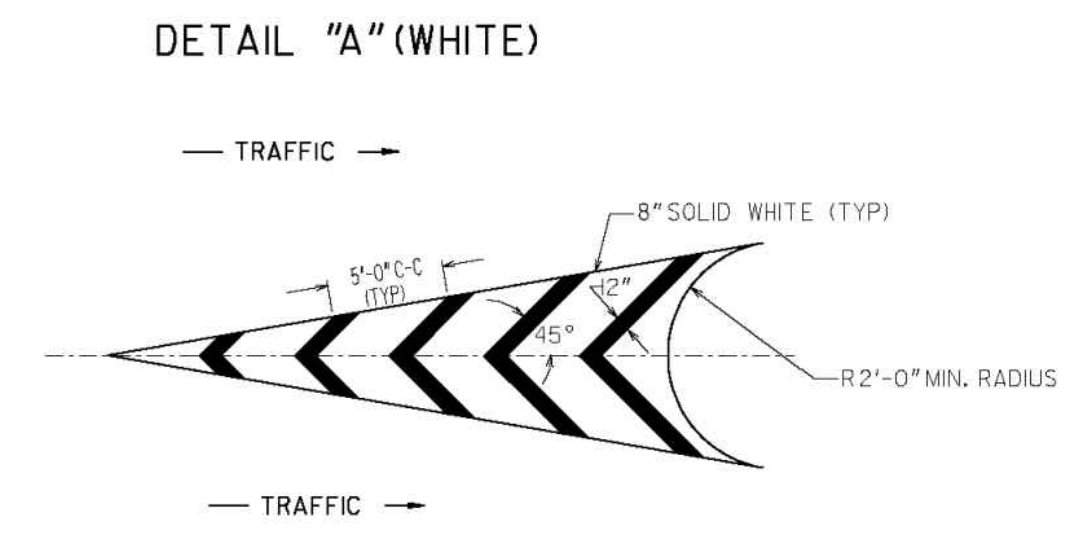
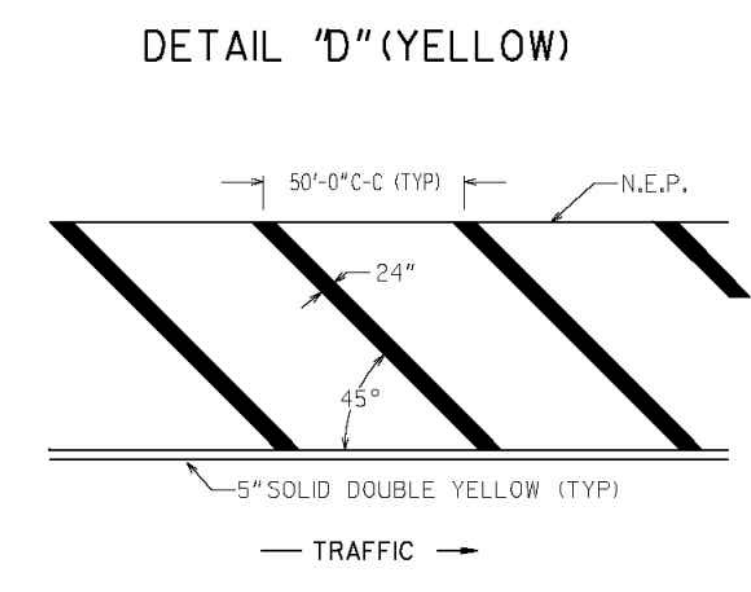
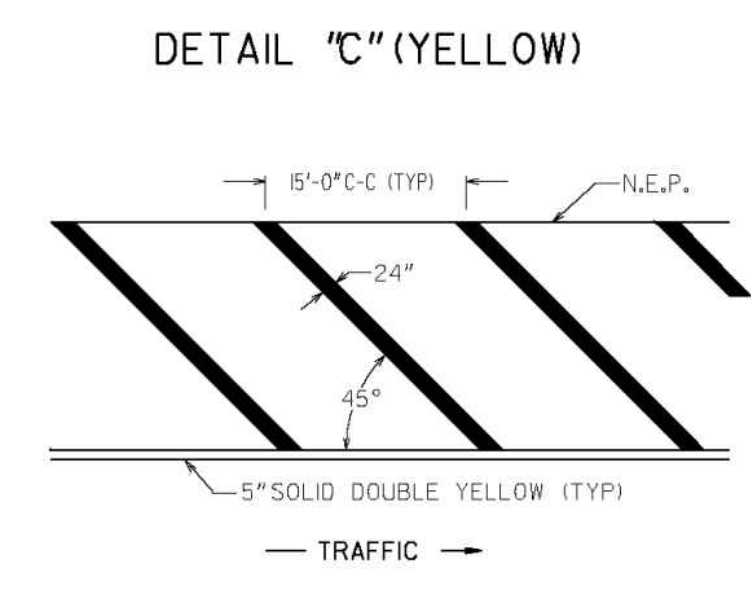
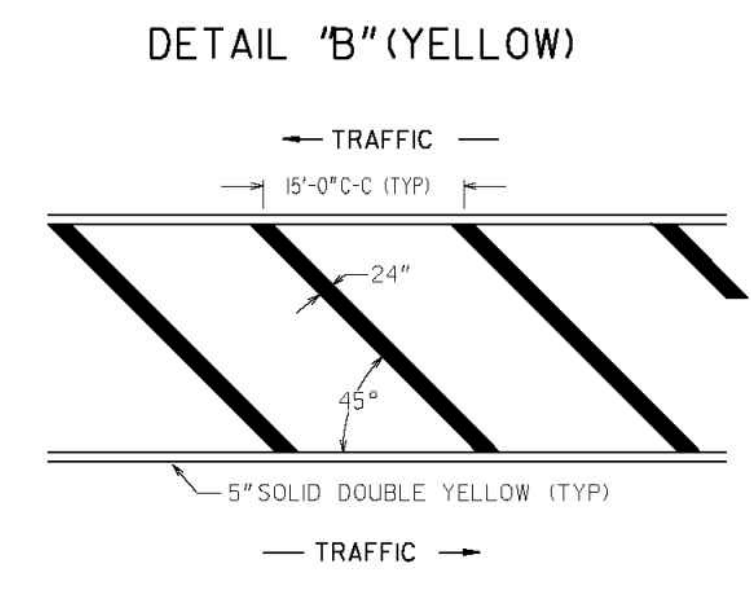
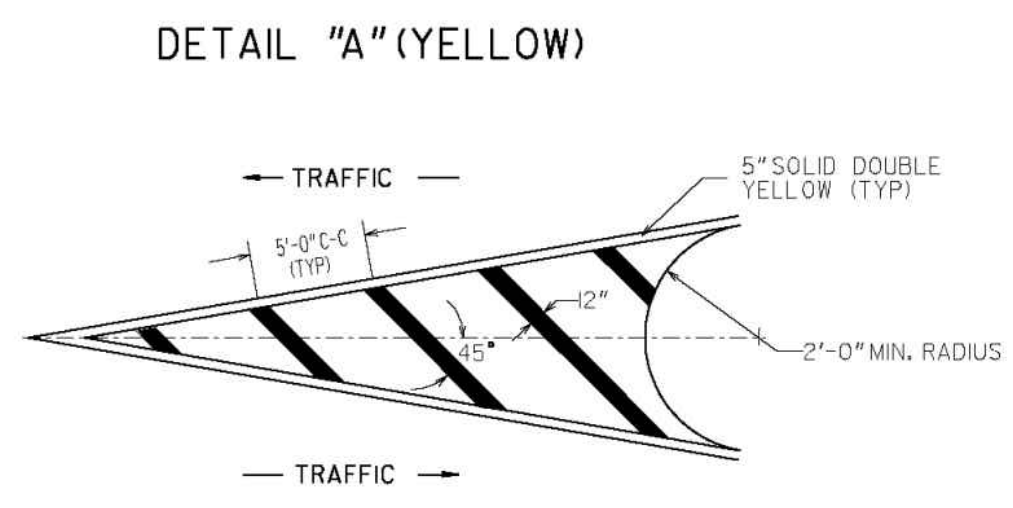
DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		DETAILS OF PAVEMENT MARKING ARROW LOCATION
		NO SCALE JANUARY 2000

T-12A

FILE PATH: \\SMTCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE/40-001.DWG PLOTTED BY: THOMPSON, SYDNEY



COUNTY PROJECT NUMBER SHEET NO. TOTAL SHEETS



- 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

PONCE/CHURCH SIDEWALKS
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-009

DATE	DESCRIPTION	MARK	APPR.
1/31/2019	100% SUBMITTAL		

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:
DWN BY: SPT	CHK BY: TN	CONTRACT NO.:
SUBMITTED BY:	FILE NAME:	FILE NUMBER:
40-001.dwg	40-001.dwg	
SIZE: 22" x 34"	PLOT SCALE: 1" = 11'	PLOT DATE: 02/26/2019

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

POND

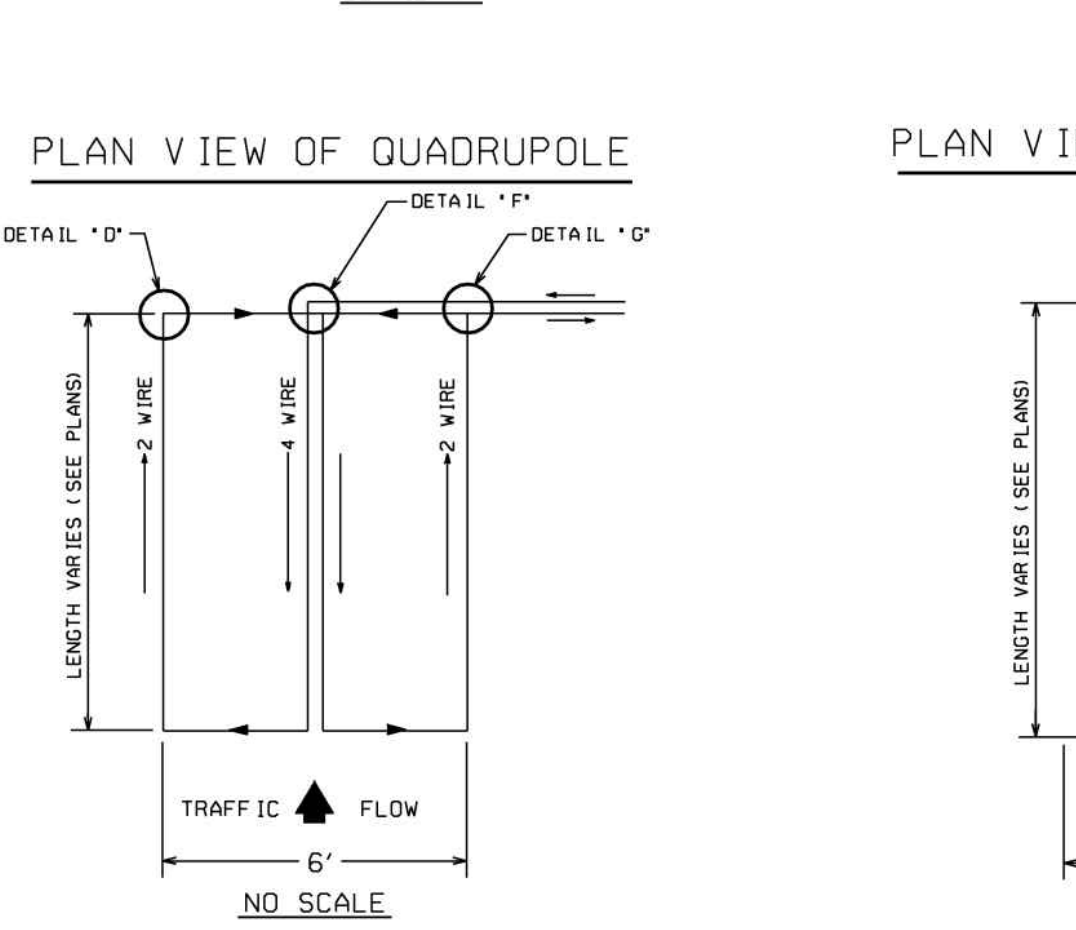
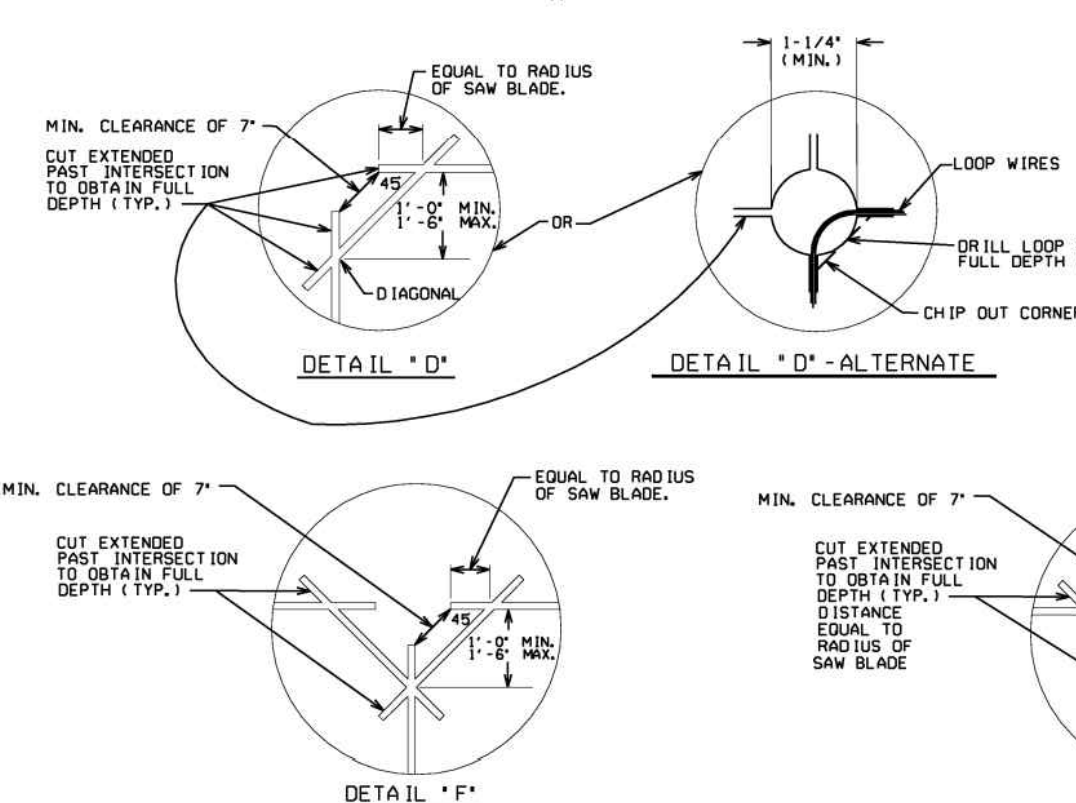
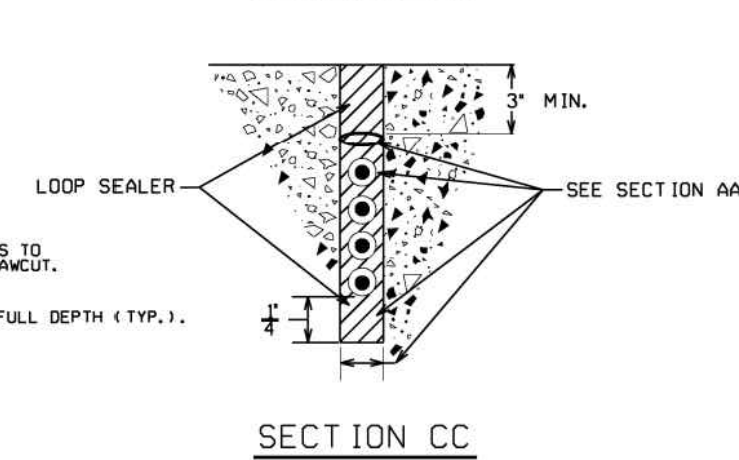
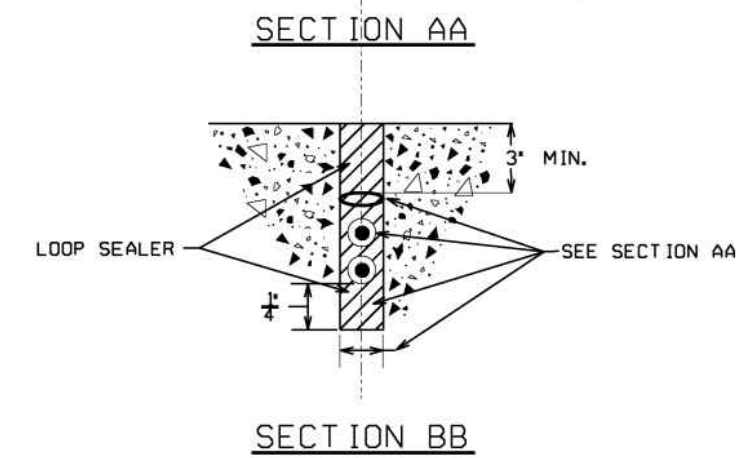
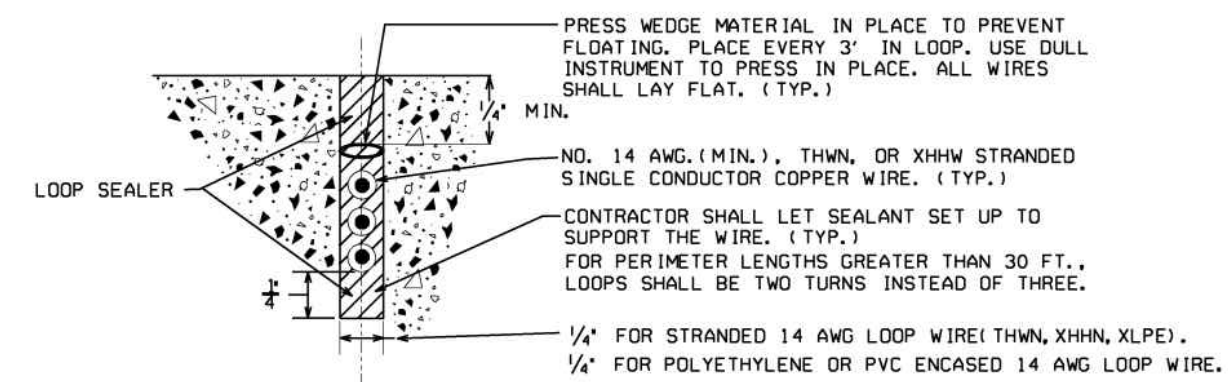
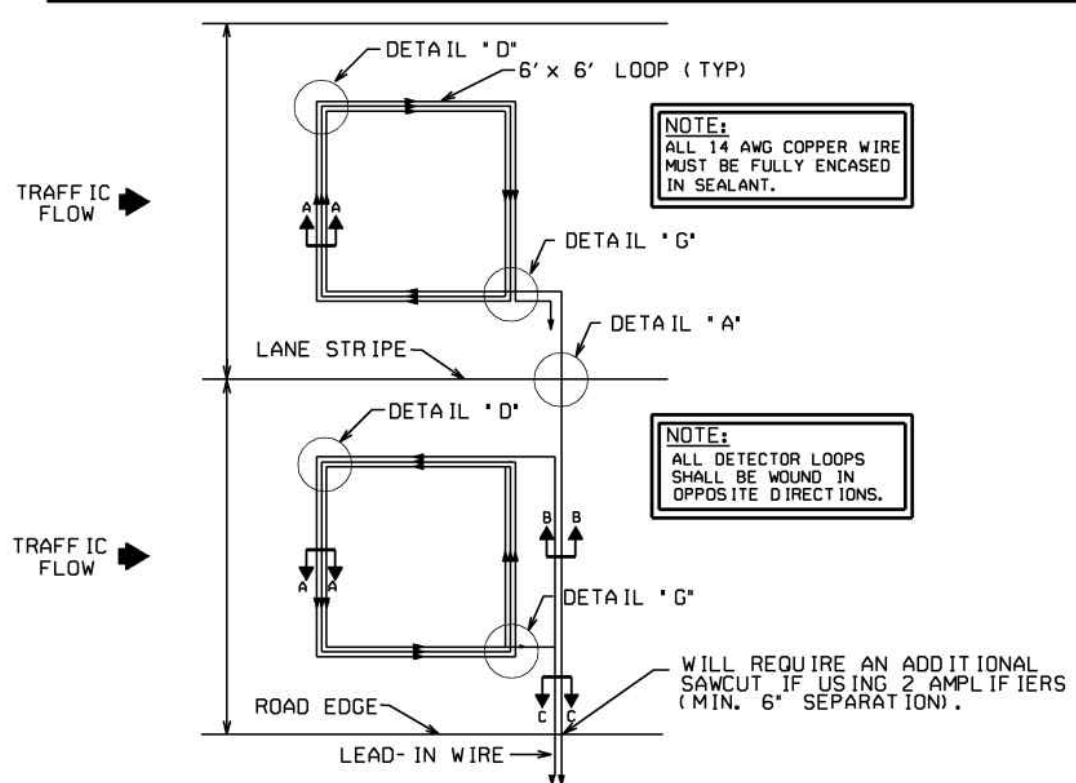
3000 Parkway Lane
Clarkston, GA 30009
Phone 678.398.7740
Fax 678.398.7744

POND PROJECT No. 1190154

FILE PATH: \\S:\MTC\BLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\40-001.DWG PLOTTED BY: THOMPSON, SYDNEY

INDUCTIVE LOOP VEHICLE DETECTOR DETAILS USING STRANDED COPPER WIRE

PLAN VIEW OF STANDARD LOOP SAW CUTS



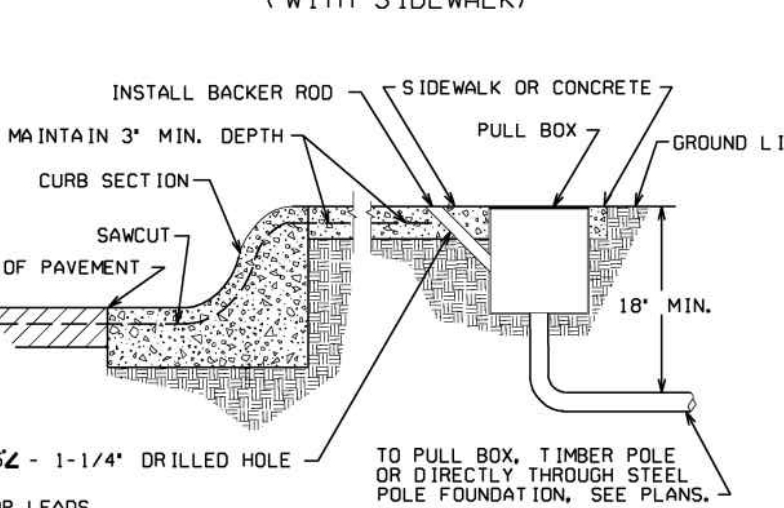
THE DOUBLE LAYER CONFIGURATION (2-2) SHOWN IS A MINIMUM DESIGN FOR NORMAL INSTALLATIONS WHEN REQUIRED BY THE PLANS.

NOTE: INDUCTIVE LOOPS SHALL NOT BE INSTALLED IN A BRIDGE DECK. LOOPS MAY BE INSTALLED IN AN APPROACH SLAB.

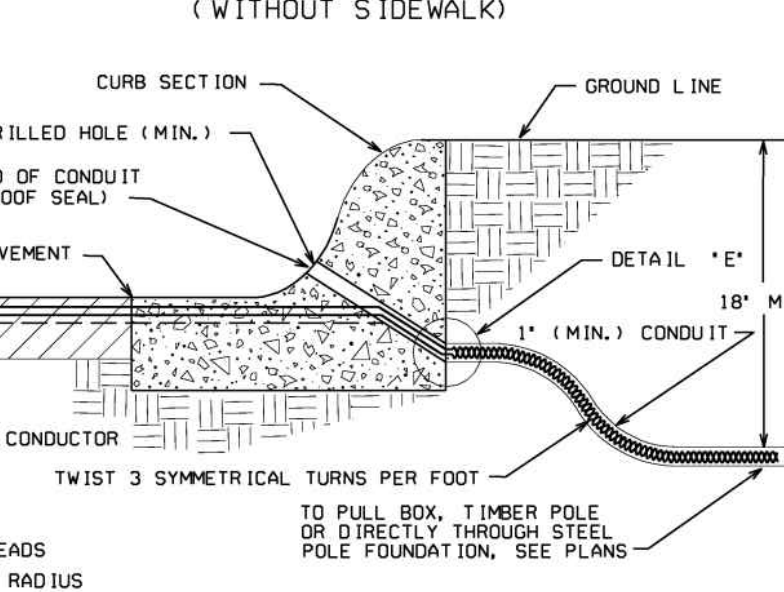
Guidelines For Usage On Metric Projects

When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following: * Rounded OFF conversion factors: 1"=25mm, 4"=100mm, and 12" or 1'-300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

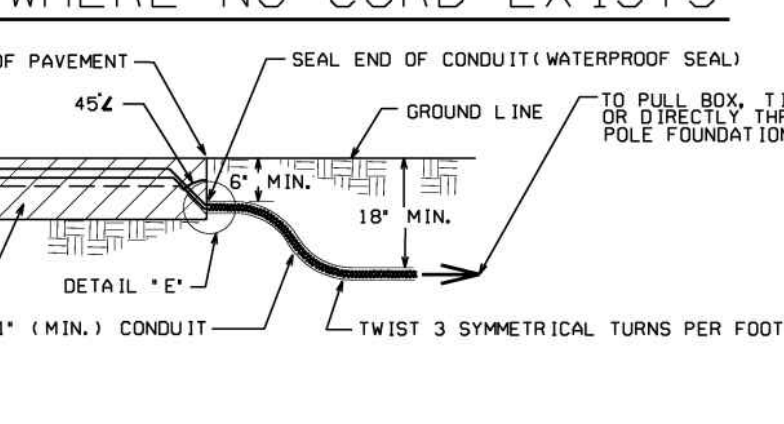
TYPICAL CURB DETAIL (WITH SIDEWALK)



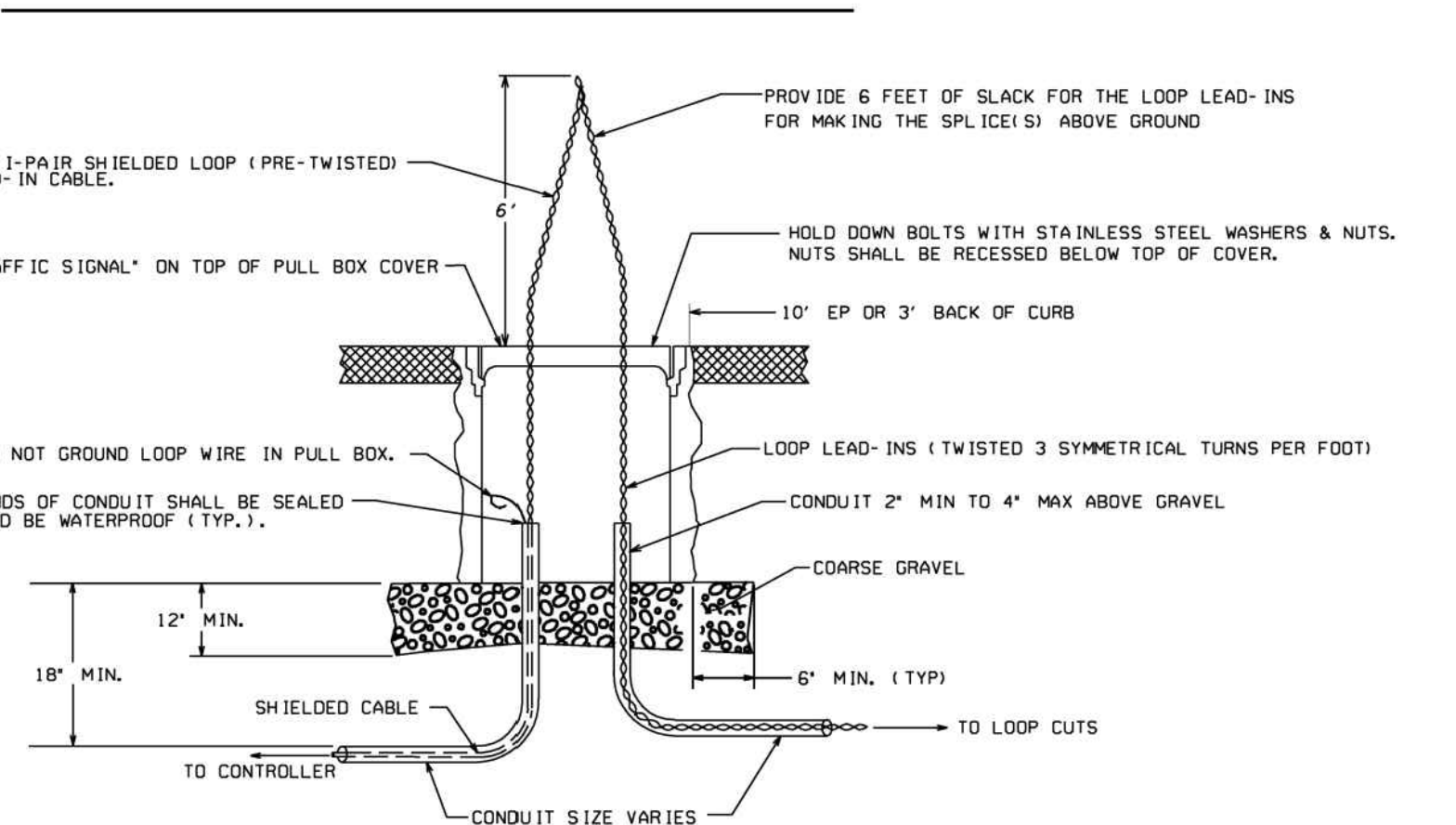
TYPICAL CURB DETAIL (WITHOUT SIDEWALK)



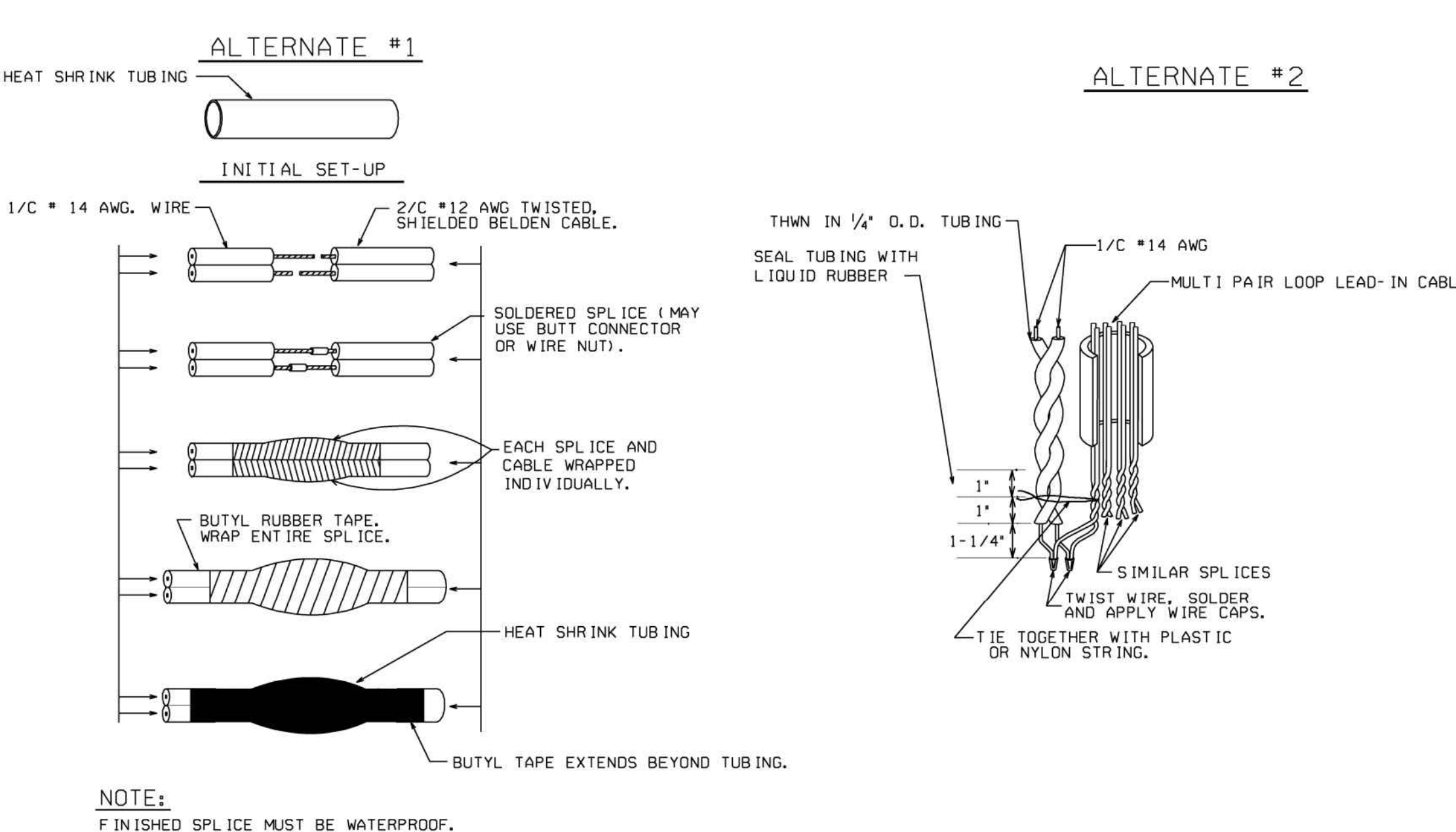
DETAIL WHERE NO CURB EXISTS



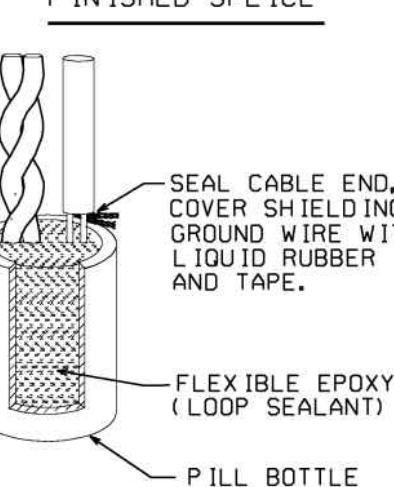
PULL BOX-SPLICE DETAILS



SPLICE DETAILS



FINISHED SPLICE



STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

TRAFFIC SIGNAL DETAIL
INDUCTIVE-LOOP
DETECTOR INSTALLATION

APRIL 2010

TS-01

where possibilities grow

100% SUBMITTAL									
103/2019									
100% SUBMITTAL									
103/2019									
100% SUBMITTAL									
103/2019									

DESIGNED BY: RBJ

DRAWN BY: SPT

CHECKED BY: JTN

DATE: 2/22/2019

SOLICITATION NO.: 40-001

CONTRACT NO.:

FILE NAME: 40-001

FILE NUMBER: 40-001

FILE SIZE: 22" x 34"

DATE: 02/26/2019

SCALE: 1" = 1'

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

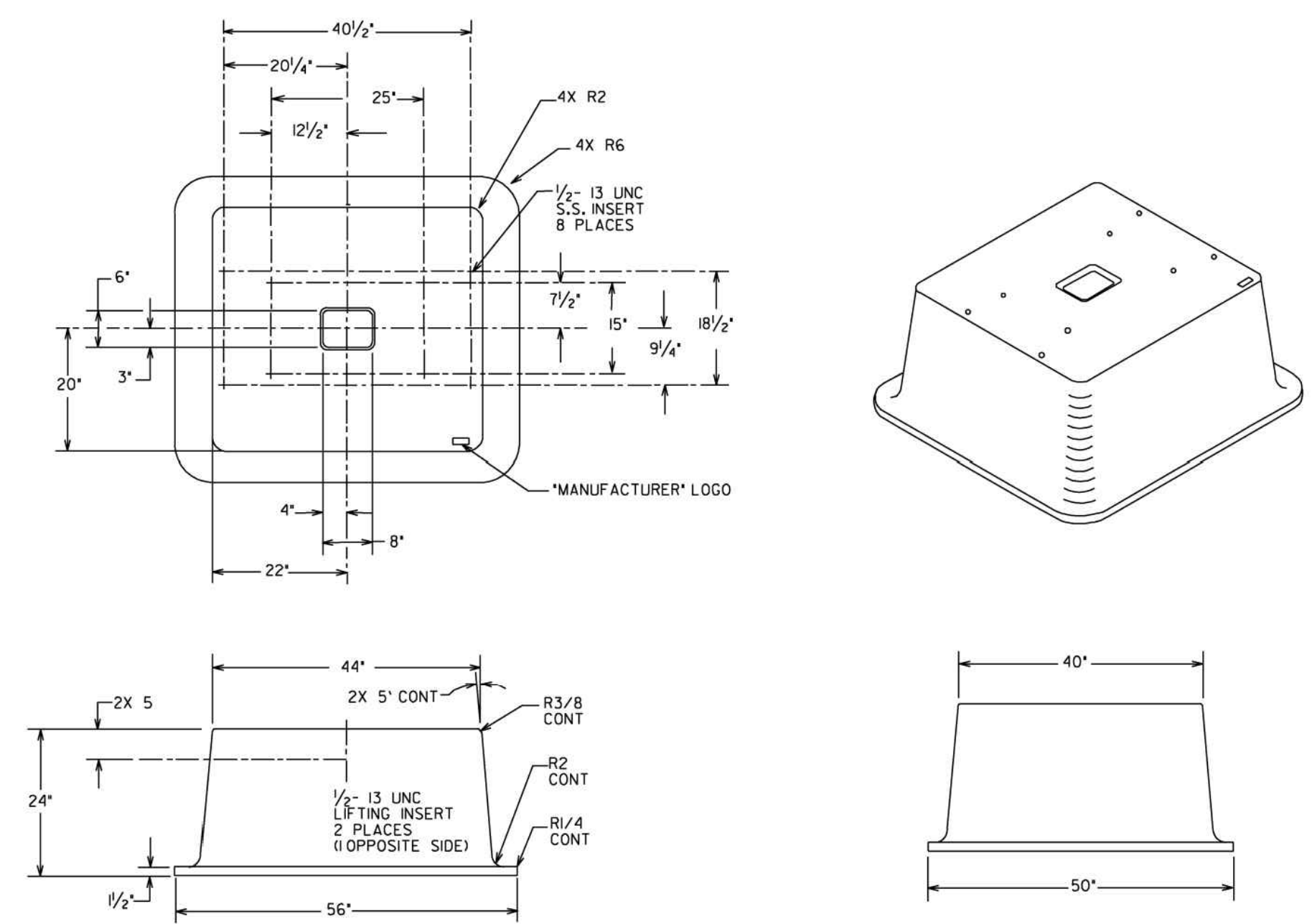
3000 Parkway Lane
Clarkston, GA 30009
Phone: 678.398.7740
Fax: 678.398.7744

POND PROJECT No. 1190154

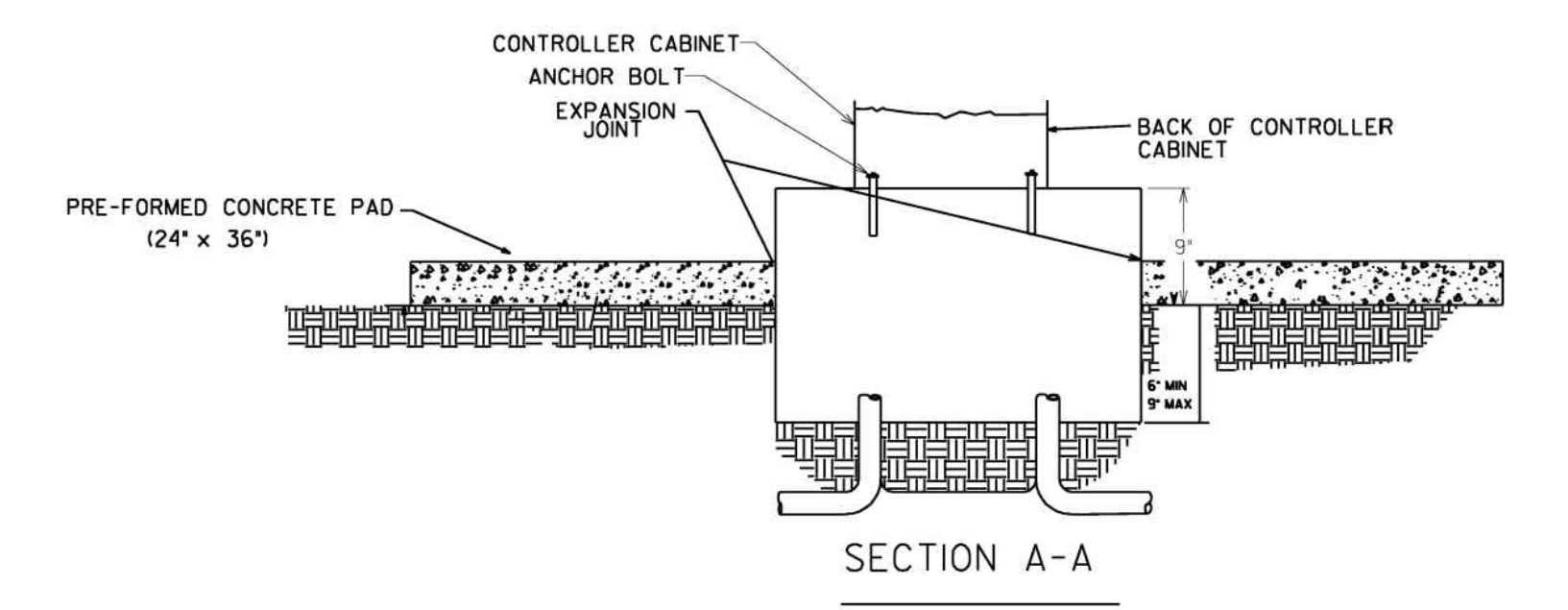
PONCE/CHURCH SIDEWALKS
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-010

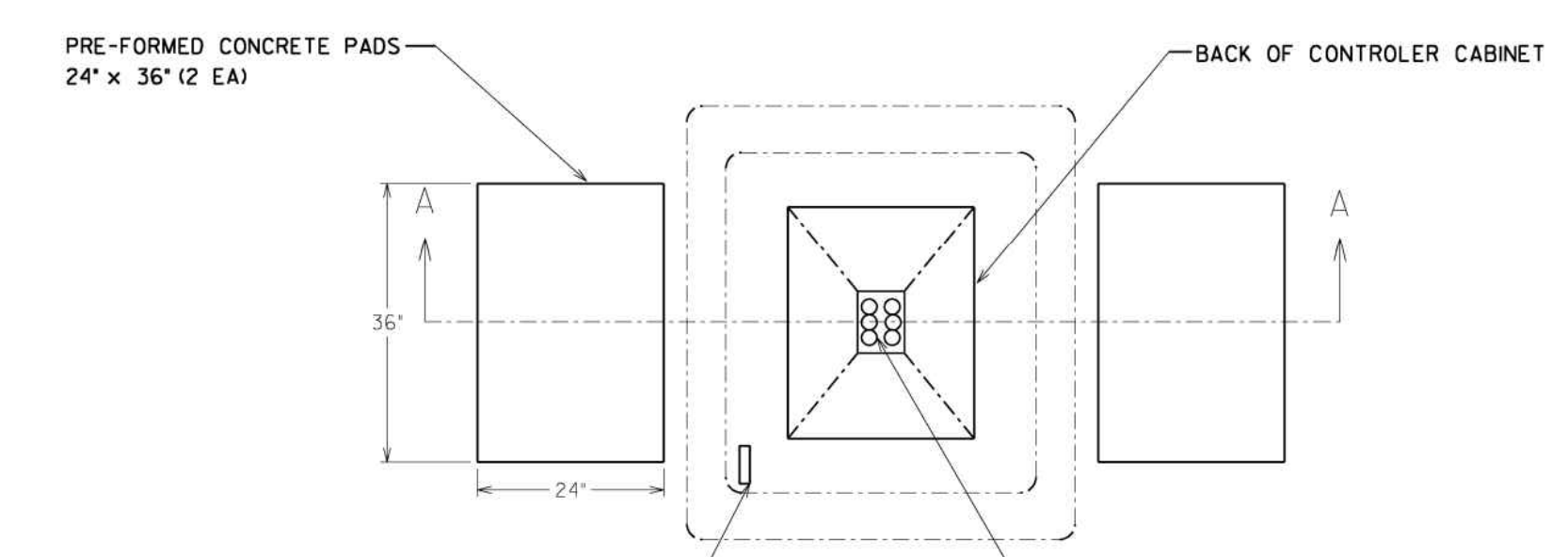
STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				



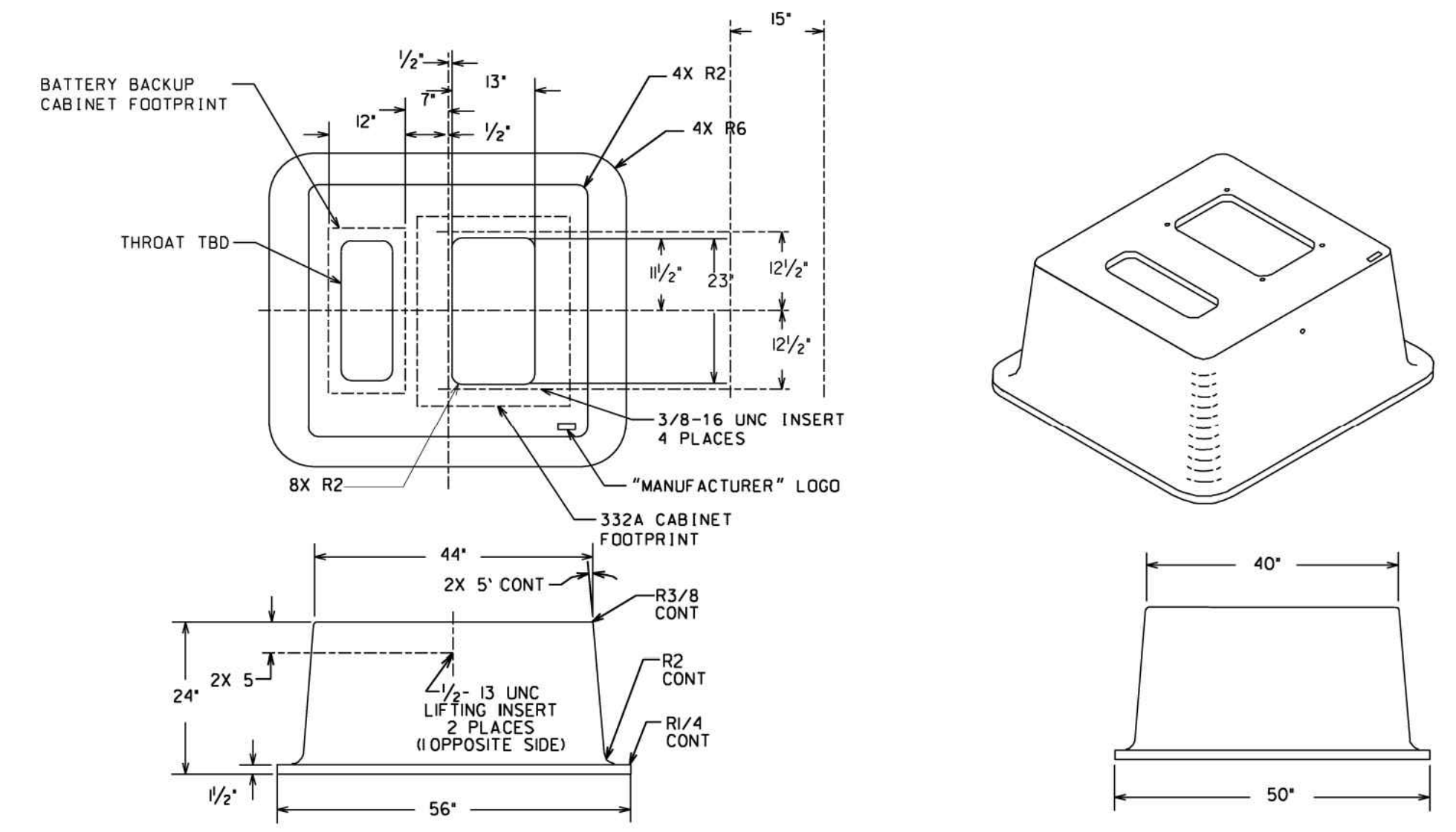
PREFABRICATED 332 CONTROLLER BASE



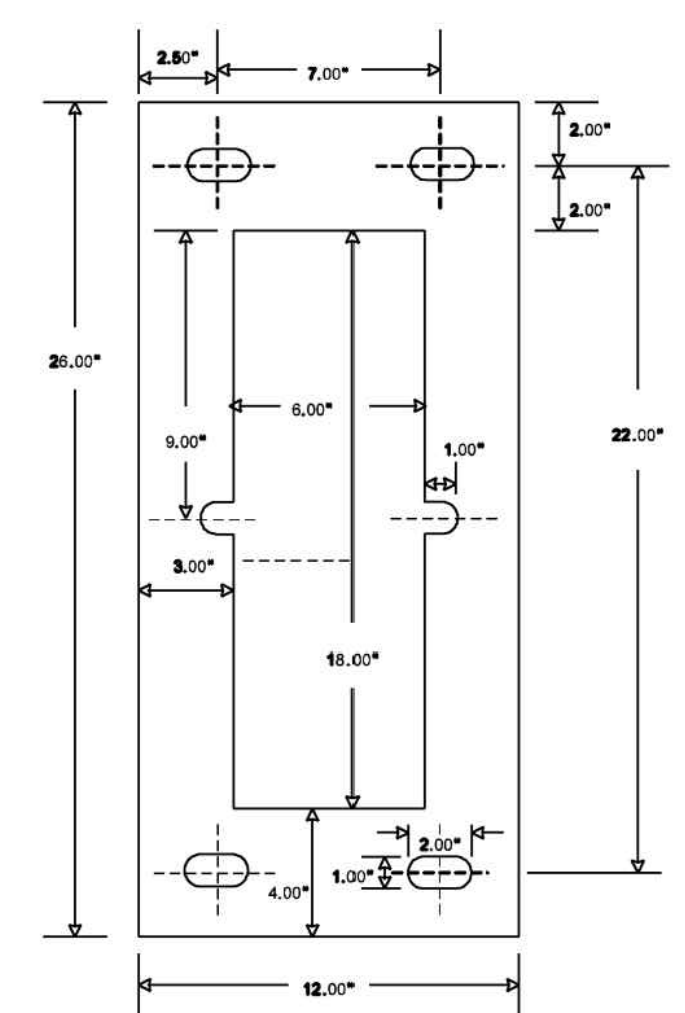
SECTION A-A



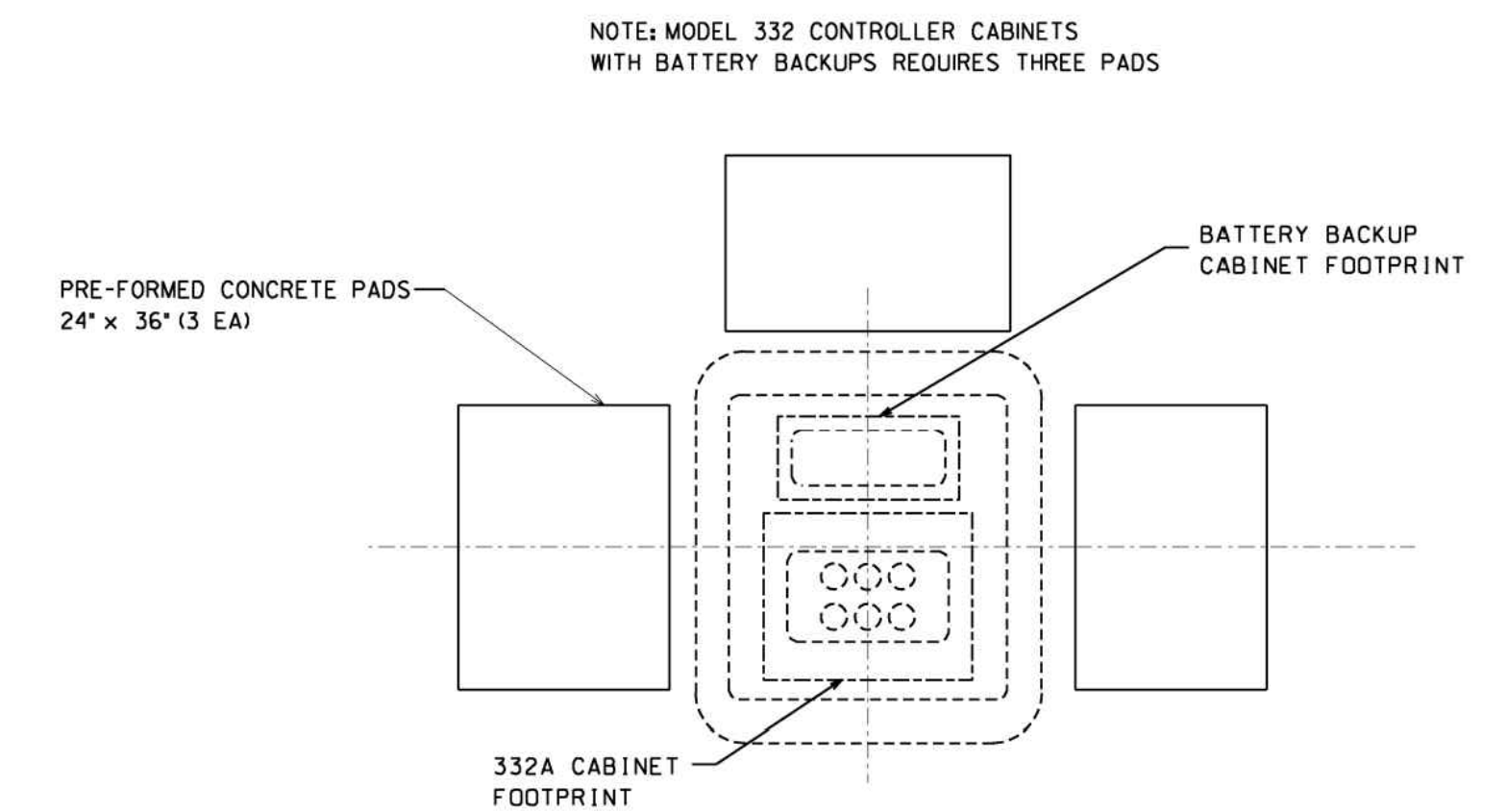
- 1" GROUNDING
- 1" TELEPHONE LINE
- 1" ELECTRICAL POWER SUPPLY
- 2" SIGNAL CABLE & DETECTOR LEAD-IN
- 2" INTERCONNECT CABLES OR 2 1/2" 50 PR CABLE
- 2" STUBBED OUT OR CAPPED



PREFABRICATED CONTROLLER BASE WITH BATTERY BACKUP BASE MOUNT EXTENSION



BATTERY BACKUP BASE MOUNT CABINET ANCHOR BOLT PATTERN



NOTE: MODEL 332 CONTROLLER CABINETS WITH BATTERY BACKUPS REQUIRES THREE PADS

Guidelines For Usage On Metric Projects
When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1" = 25mm, 4" = 100mm, and 12" or 1' = 300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
TRAFFIC SIGNAL DETAIL	
CABINET BASE DETAIL	
REV. BY:	DETAIL NUMBER
APRIL 2010	TS-03
NOT TO SCALE - REPORT ERRORS	

SEAL

DATE	APPR.
1/31/2019	
MARK	DESCRIPTION
A	100% SUBMITTAL

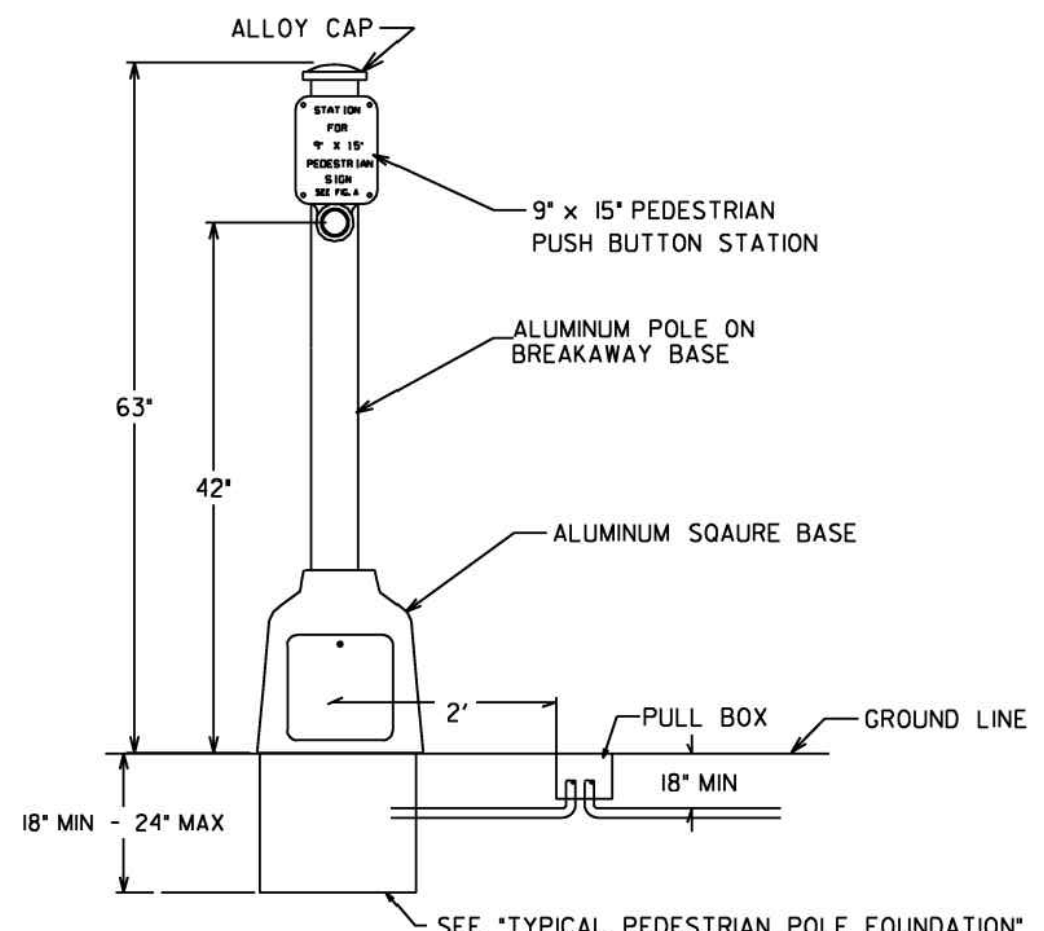
DESIGNED BY: RBJ	DATE: 2/22/2019
DWN BY: SPT	SOLICITATION NO.:
CHK BY: TN	CONTRACT NO.:
SUBMITTED BY:	FILE NUMBER:
FILE NAME: 40-01.DWG	FILE NUMBER:
SIZE: 22" x 34"	PLOT DATE: 02/26/2019
	PLOT SCALE: 1:1

CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK
POND
3000 Parkway Lane
30096 SUITE 500
Phone 678.338.7740
Fax 678.338.7744
POND PROJECT No. 1190154

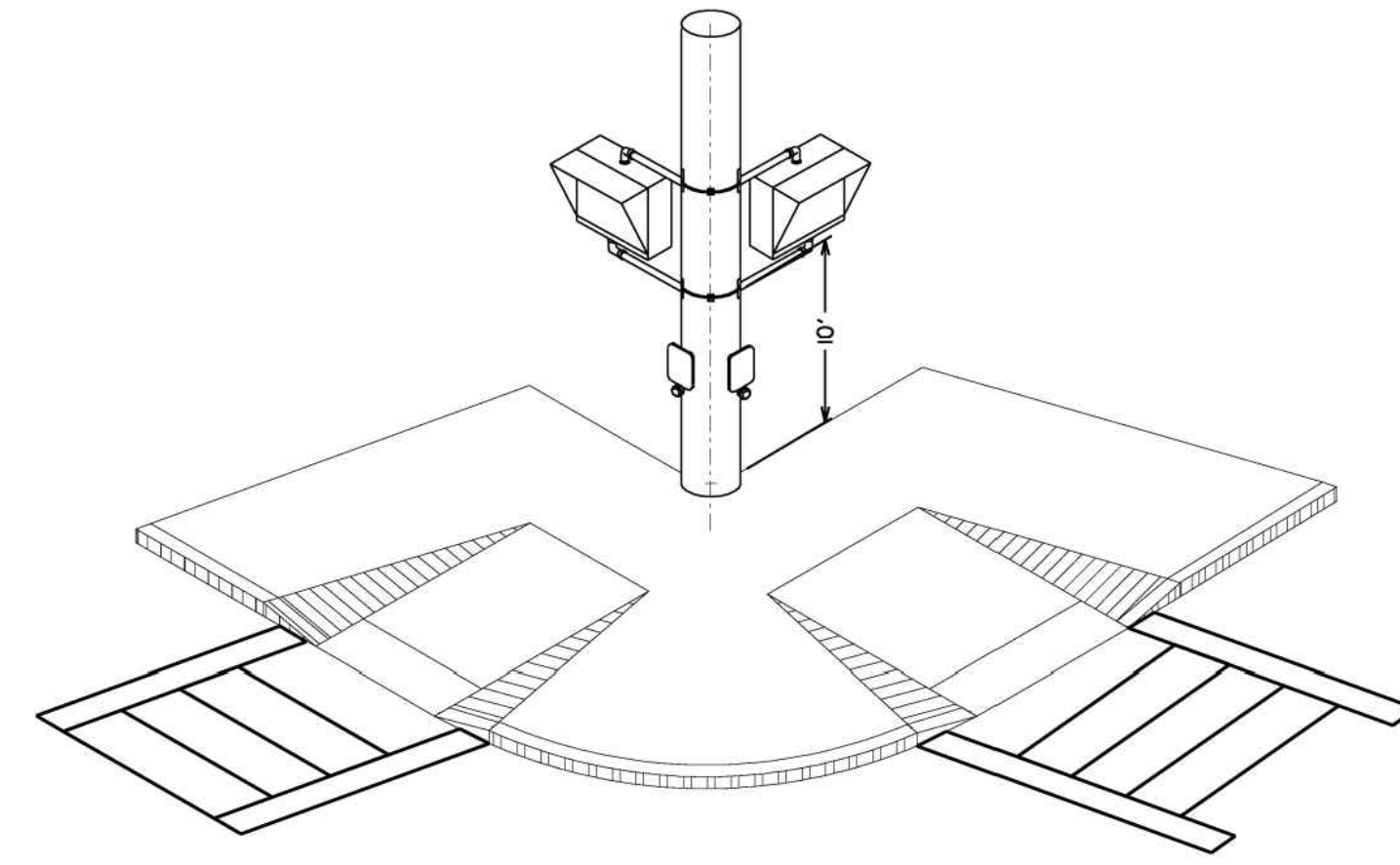
PONCE/CHURCH SIDEWALKS
CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-012

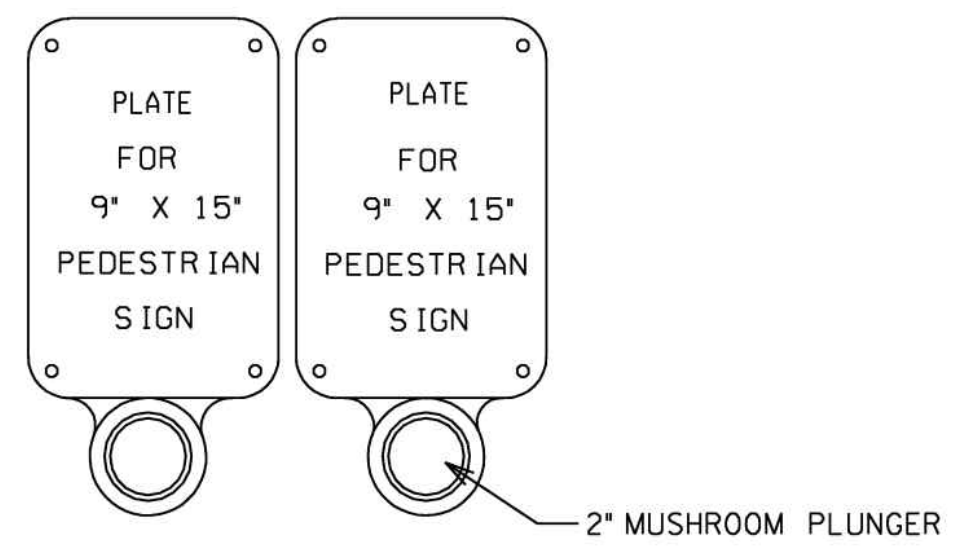
STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				



PEDESTRIAN PUSH BUTTON POST

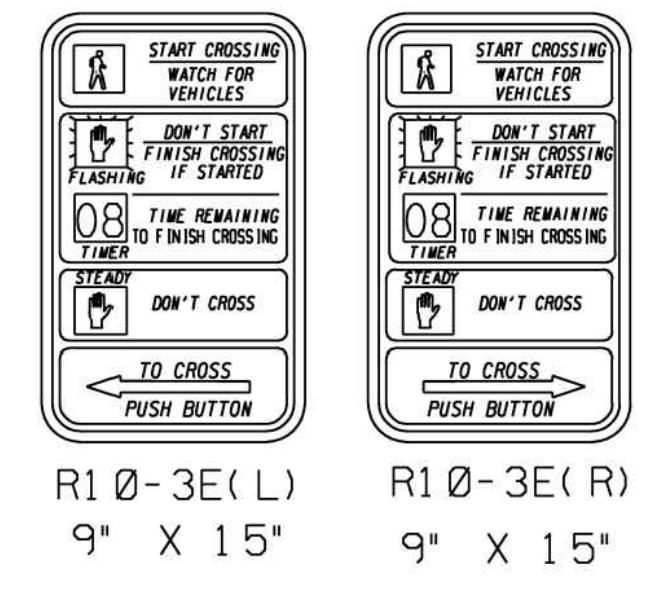


PEDESTRIAN SIGNAL HEAD ORIENTATION FOR SIDE OF POLE MOUNTING

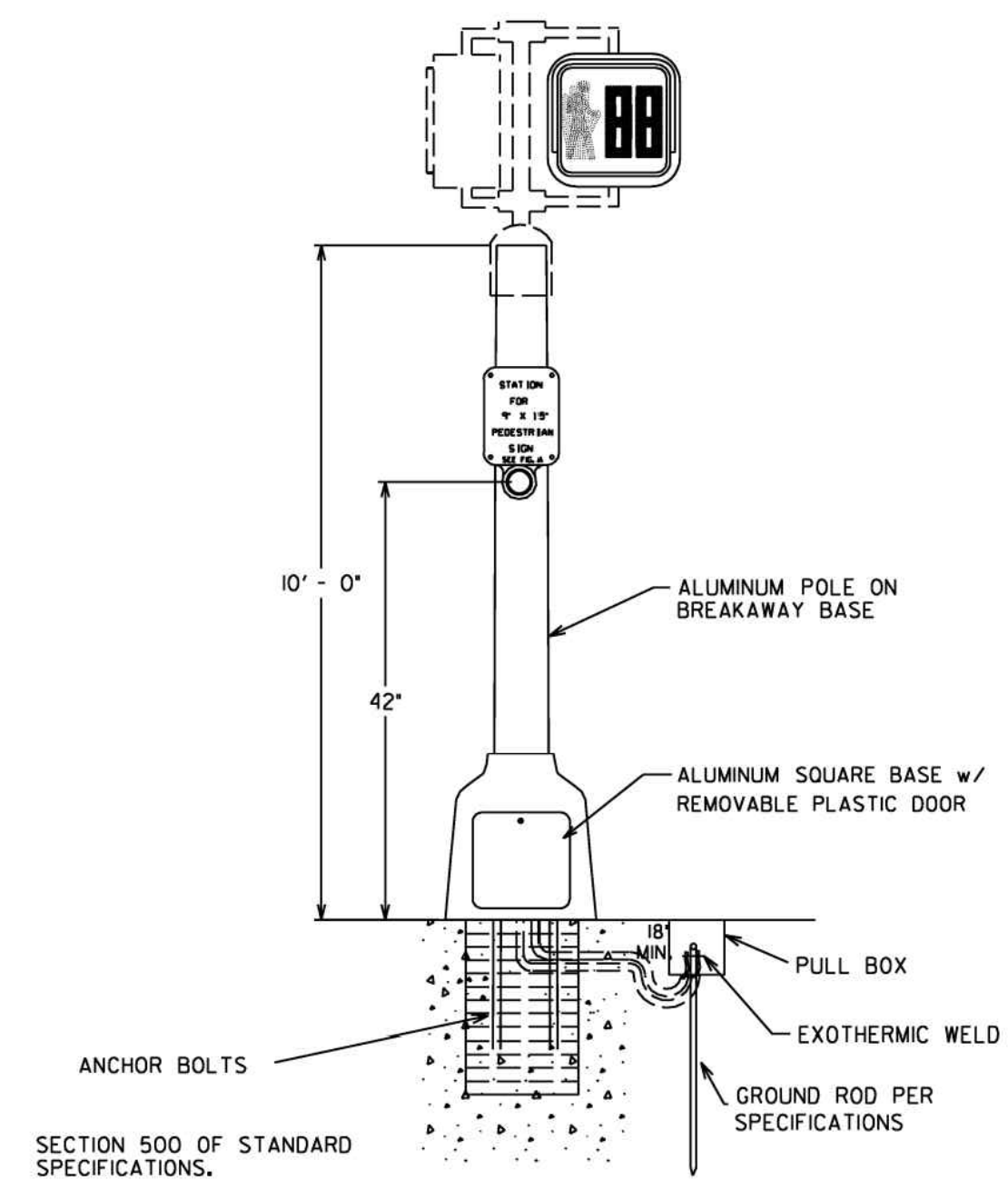


A "PUSH BUTTON STATION" IS THAT PIECE OF EQUIPMENT THAT CONTAINS THE PEDESTRIAN INSTRUCTIONAL SIGN PLATE AND THE PUSH BUTTON

PEDESTRIAN PUSH BUTTON STATION

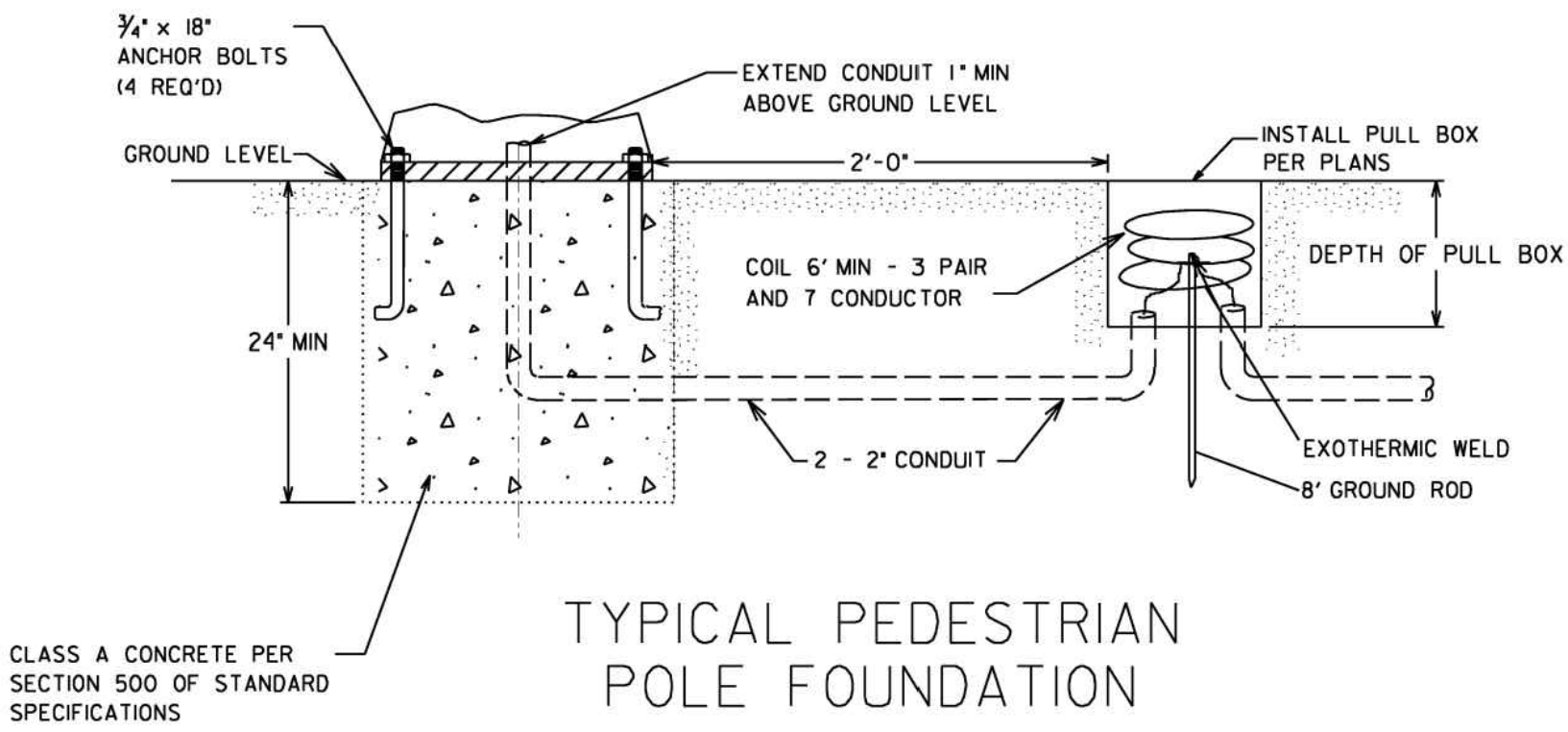
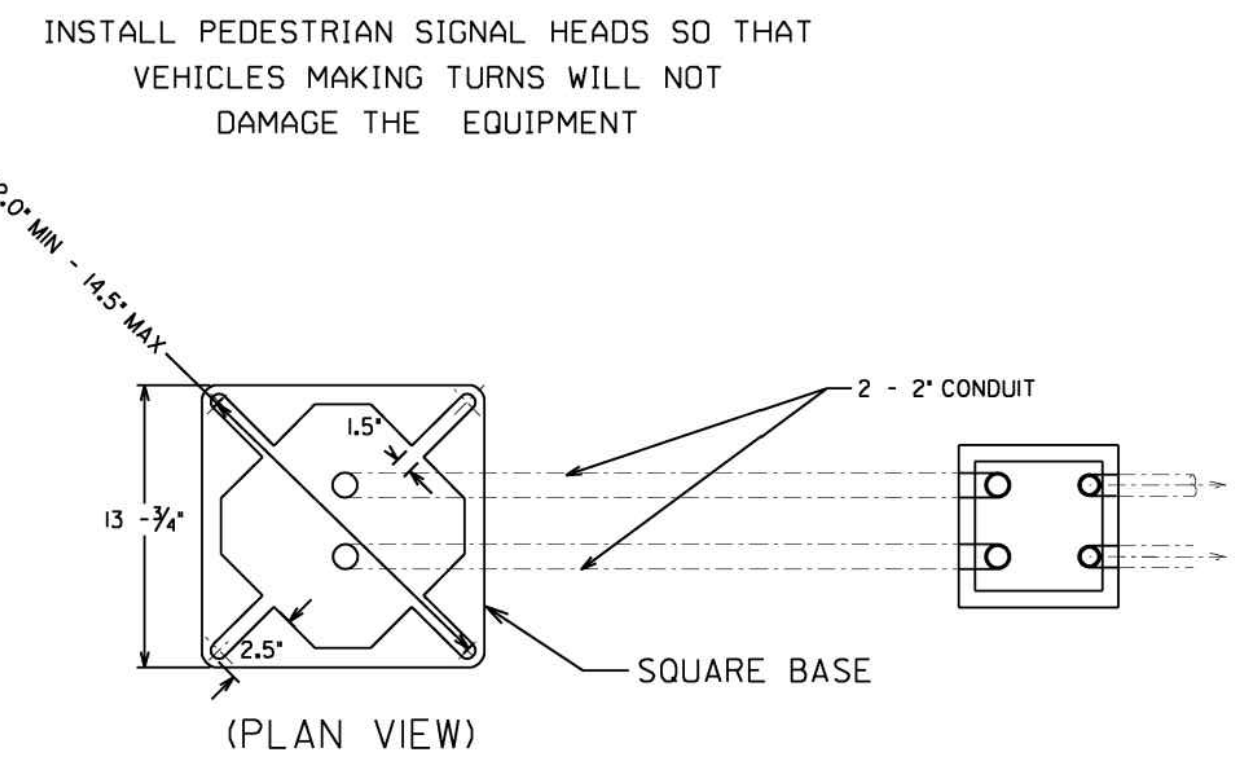


PEDESTRIAN SIGNS



DETAIL FOR PEDESTRIAN SIGNAL POLES

NOTE:
DETAILS SHOWN IS FOR TOP POST MOUNTING ASSEMBLY ON 10 FEET PEDESTRIAN POLE.
A CLAMSHELL MOUNTING ASSEMBLY (NOT SHOWN) MAY BE USED AS APPROVED BY THE DEPARTMENT.
THE CLAMSHHELL MOUNTING HARDWARE ASSEMBLY SHALL MEET THE SAME GDOT STANDARDS AS THE PEDESTRIAN SIGNAL HOUSING IN PAINT AND MATERIAL.

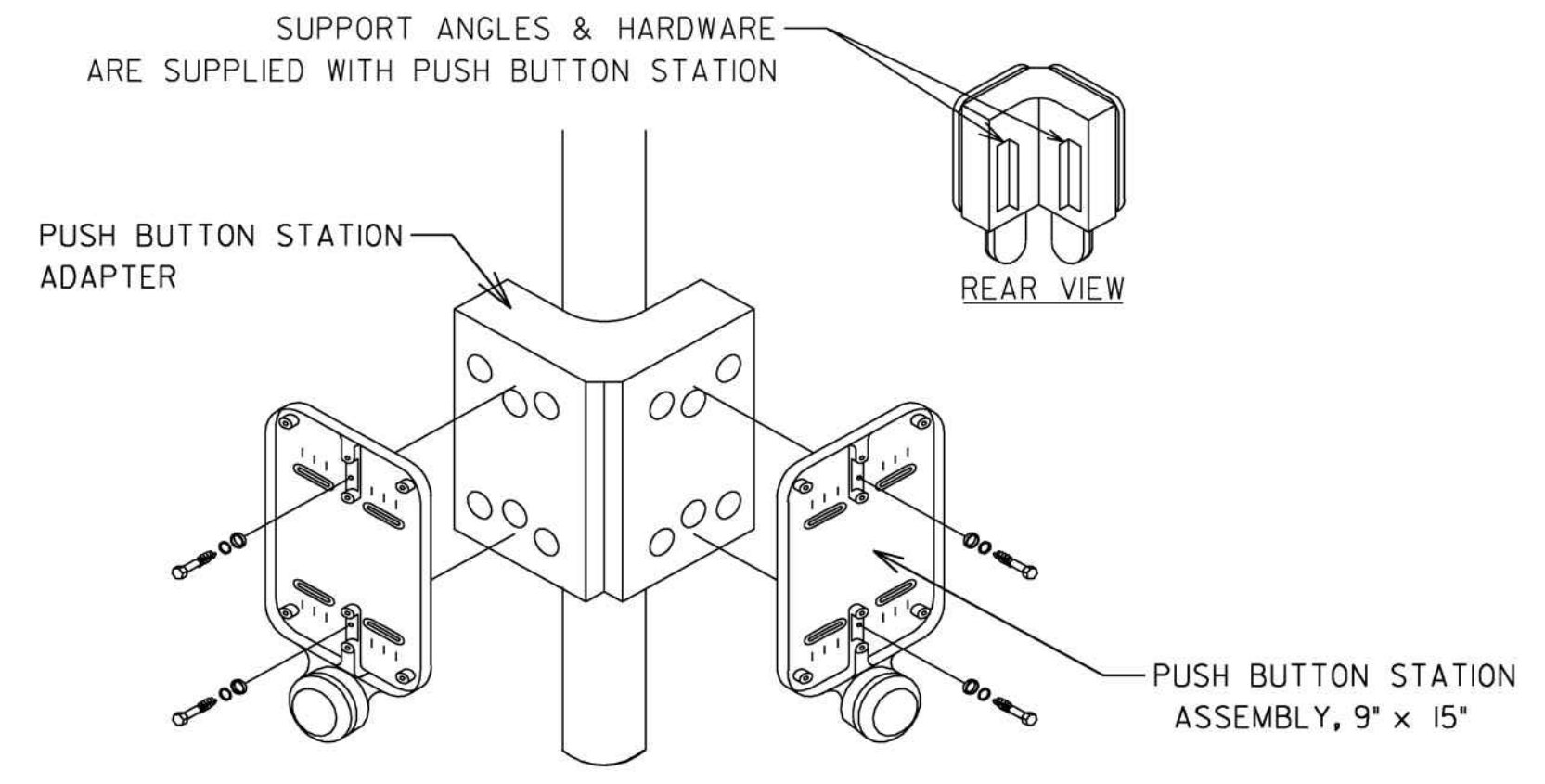


TYPICAL PEDESTRIAN POLE FOUNDATION

CLASS A CONCRETE PER SECTION 500 OF STANDARD SPECIFICATIONS

Guidelines For Usage On Metric Projects

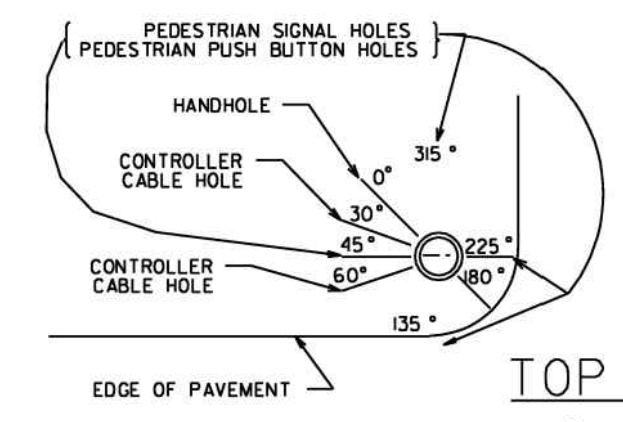
When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1" = 25mm, 4" = 100mm, and 12" or 1' = 300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.



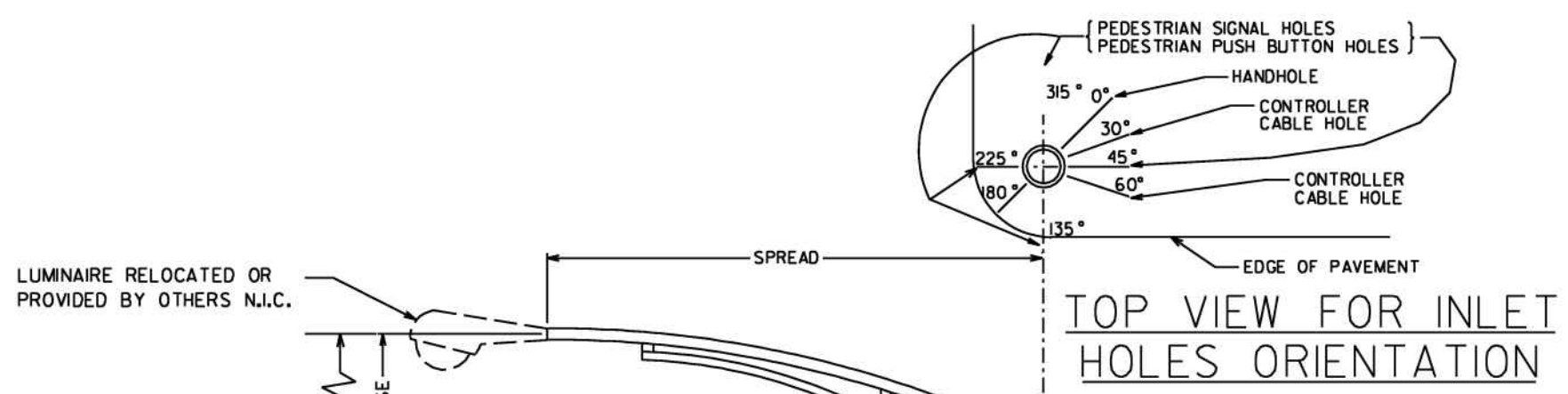
DOUBLE PUSH BUTTON STATION ADAPTER FOR 4" DIA. PEDESTRIAN POLE

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION DESCRIPTION		TRAFFIC SIGNAL DETAIL PEDESTRIAN FACILITIES INSTALLATION DETAILS	
REV. BY:		APRIL 2010	DETAIL NUMBER TS-03A
NOT TO SCALE - REPORT ERRORS			

STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				

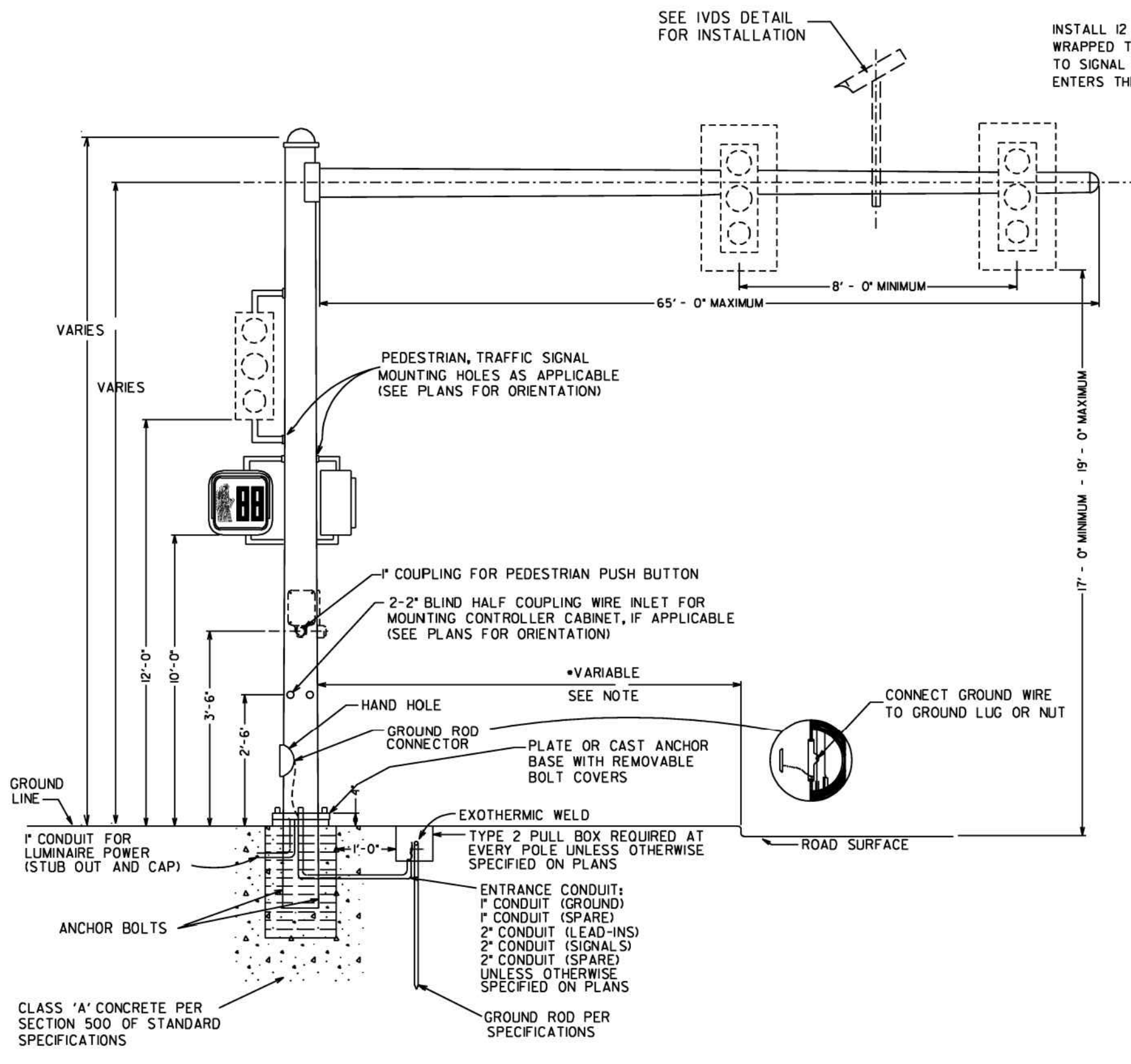


TOP VIEW FOR INLET HOLES ORIENTATION



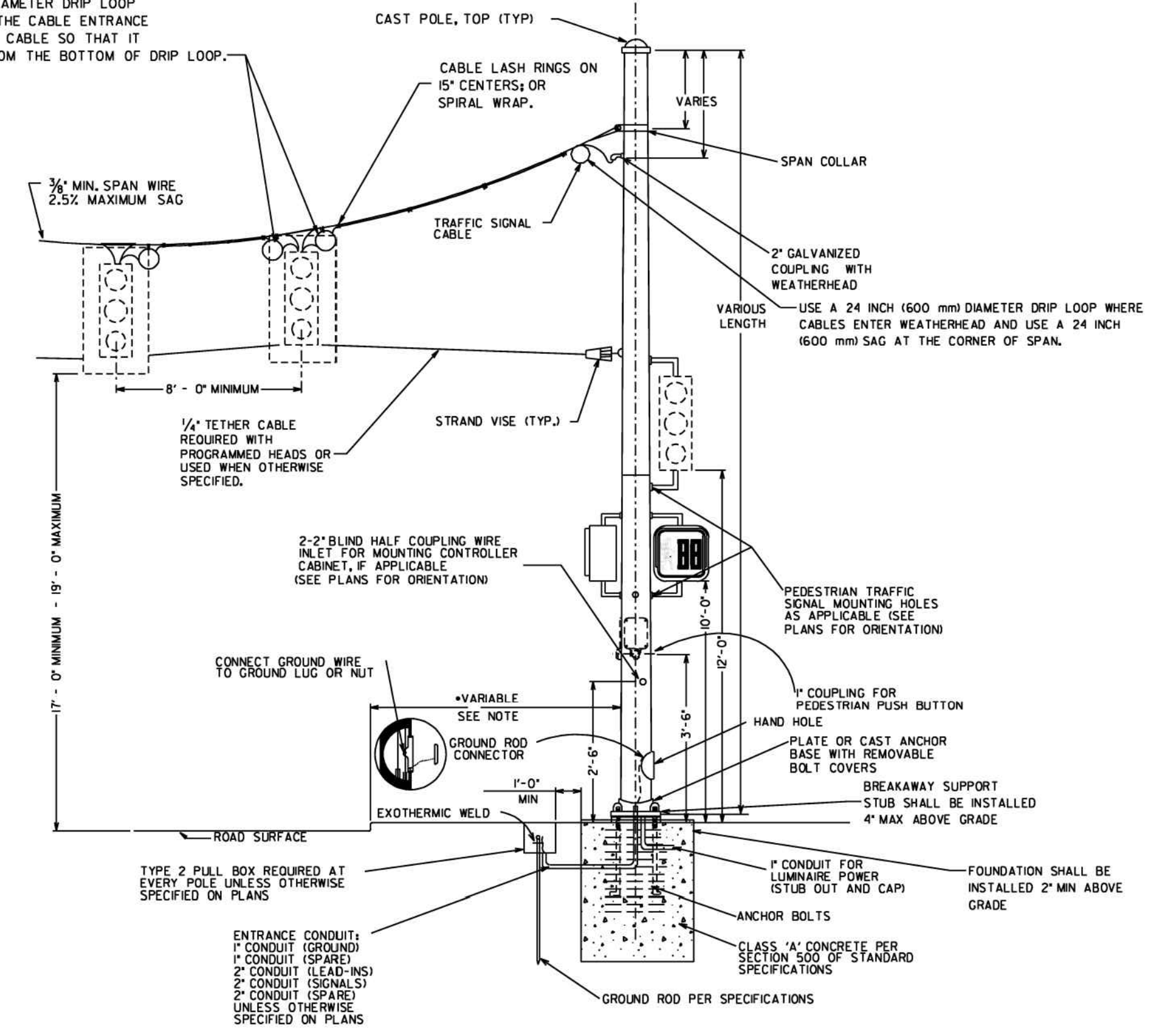
TOP VIEW FOR INLET HOLES ORIENTATION

NOTES:
 DRAWINGS AND OTHER DATA INDICATING POLE DIMENSIONS AND DESIGN TOGETHER WITH DESIGN OF BASE SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE DEPT. ENGINEER, PER SPECIFICATIONS AND DETAILS.
 FOUNDATION SIZE AND REINFORCING SHALL BE DETERMINED FROM THE "STRAIN POLE FOUNDATIONS" SHEET WITH THE USE OF THE BENDING MOMENT AT YIELD PROVIDED BY POLE MANUFACTURER.
 ALL HOLES IN MAST ARMS MUST BE FABRICATED BY THE MANUFACTURER, SEE SECTION 925 OF STANDARD SPECIFICATIONS REGARDING RIGID MOUNTING HARDWARE FOR SIGNAL HEADS.
 WHEN POLES ARE LOCATED ON ALL CORNERS, LUMINAIRES ARE TO BE INSTALLED PERPENDICULAR TO THE FAR SIDE APPROACHING TRAFFIC.
 WHEN LUMINAIRES ARE ONLY BEING INSTALLED ON TWO CORNERS, THEY SHOULD BE INSTALLED PERPENDICULAR TO THE FAR SIDE APPROACHING TRAFFIC ON THE MAJOR APPROACH.

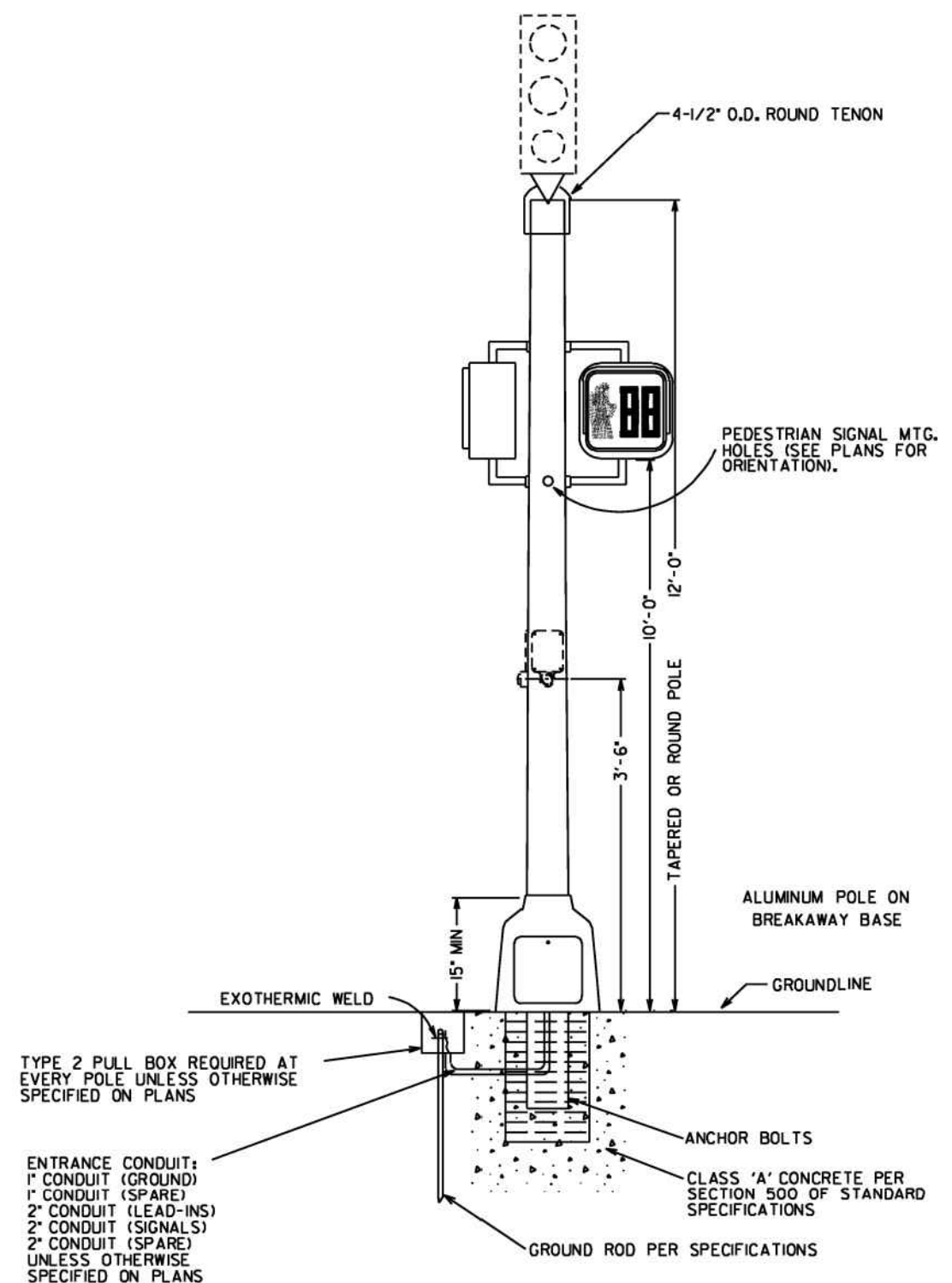


TYPICAL MAST ARM POLE DETAIL

INSTALL 1/2 INCH (300 mm) DIAMETER DRIP LOOP WRAPPED THREE TIMES AT THE CABLE ENTRANCE TO SIGNAL HEADS. ARRANGE CABLE SO THAT IT ENTERS THE STRUCTURE FROM THE BOTTOM OF DRIP LOOP.



TYPICAL STEEL STRAIN POLE DETAIL



PEDESTAL POLE MOUNTED SIGNAL HEAD

***NOTE:**
 CLEAR-ZONE WIDTH REQUIREMENTS ARE BASED ON AVERAGE DAILY TRAFFIC AND VEHICLE SPEEDS. SEE THE AASHTO "ROADSIDE DESIGN GUIDE" FOR GUIDANCE ON DESIGN OF CLEAR-ZONE AREAS.
 FOUNDATIONS SHALL BE INSTALLED ABOVE GRADE, BUT NOT EXCEED 4' MAXIMUM STUB HEIGHT TO LESSEN SAGGING OF THE UNDERCARRIAGE OF A VEHICLE

Guidelines For Usage On Metric Projects
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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
TRAFFIC SIGNAL DETAIL DETAILS OF METAL TRAFFIC SIGNAL SUPPORT STRUCTURES	
REV. BY:	DETAIL NUMBER TS-04
DATE	APRIL 2010
NOT TO SCALE - REPORT ERRORS	

10/12/2019	100% SUBMITTAL	MARK	DATE	APPR.
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DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE:
DWN BY: SPT	CHK BY: TN	40-001		40-001	02/26/2019
SUBMITTED BY:	FILE NAME:	40-001.dwg	SIZE:	22" x 34"	PLOT SCALE:
				1:1	

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

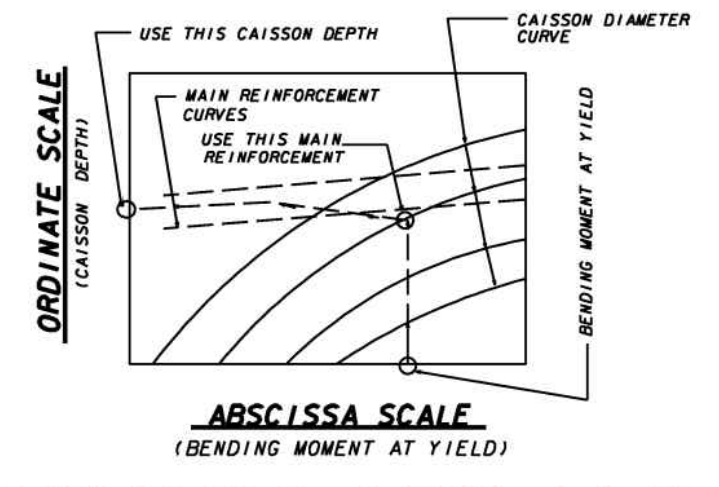
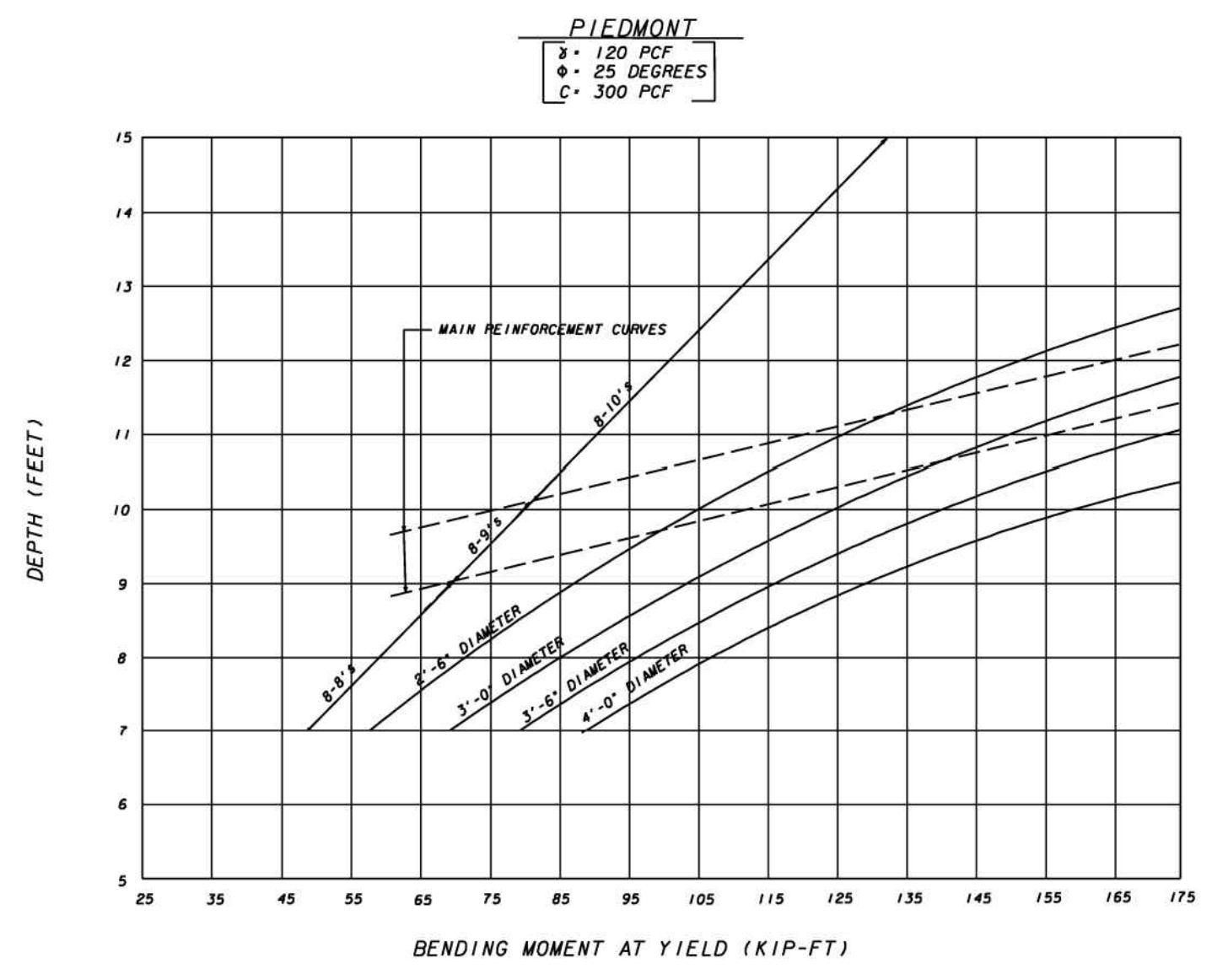
3500 Parkway Lane
 Clarkston, GA 30009
 Phone 678.387.7740
 Fax 678.387.7744

PONCE/CHURCH SIDEWALKS
 CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
40-014

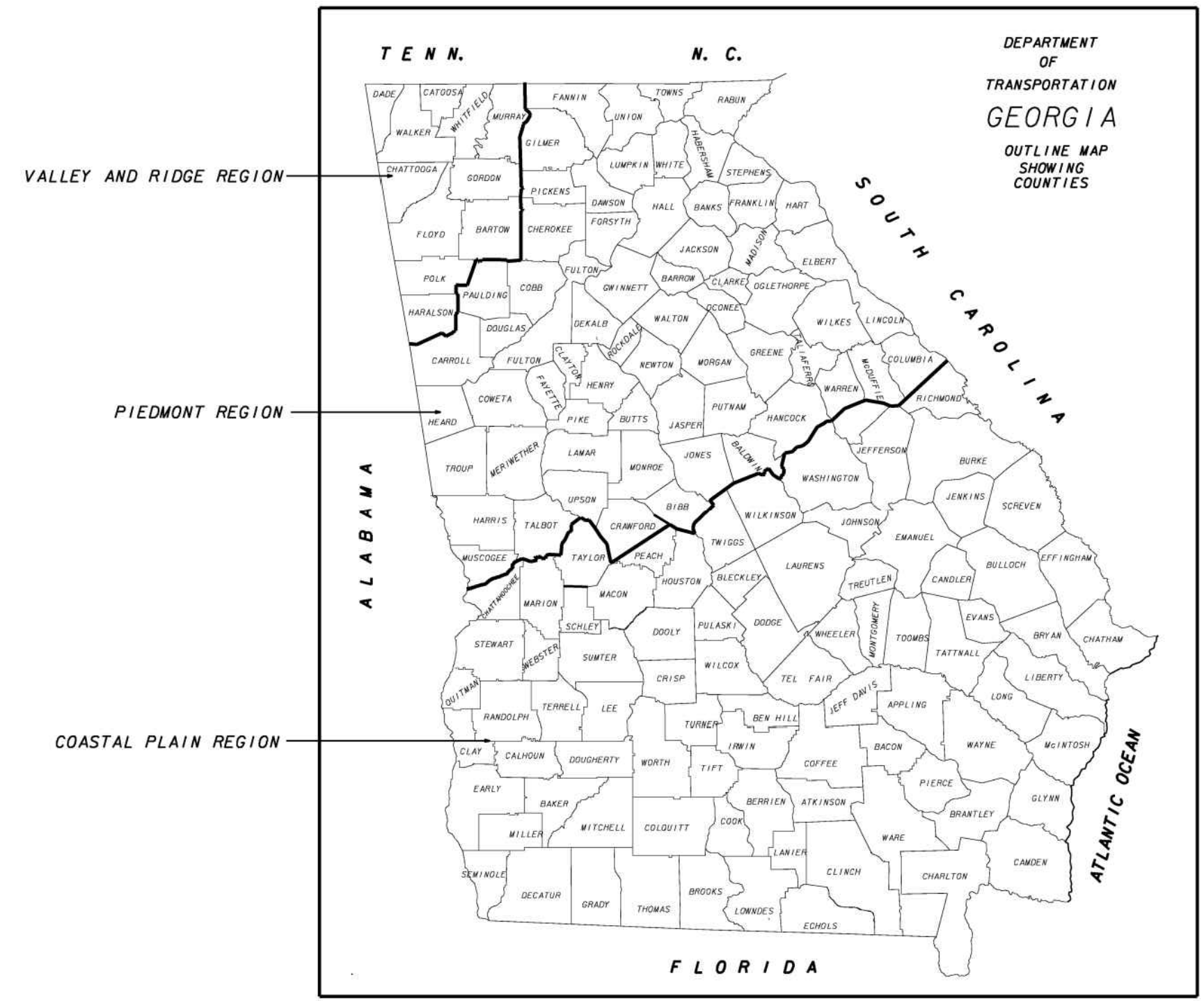
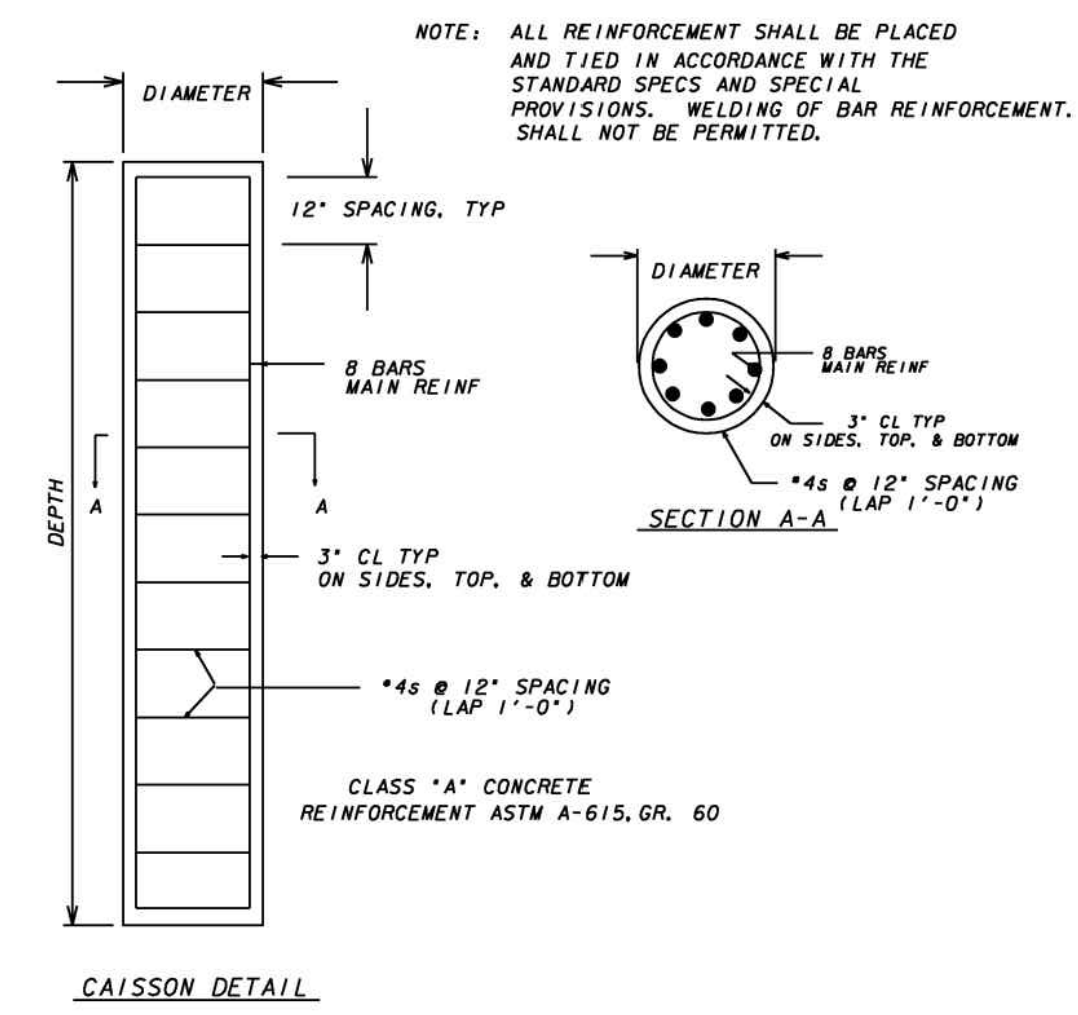
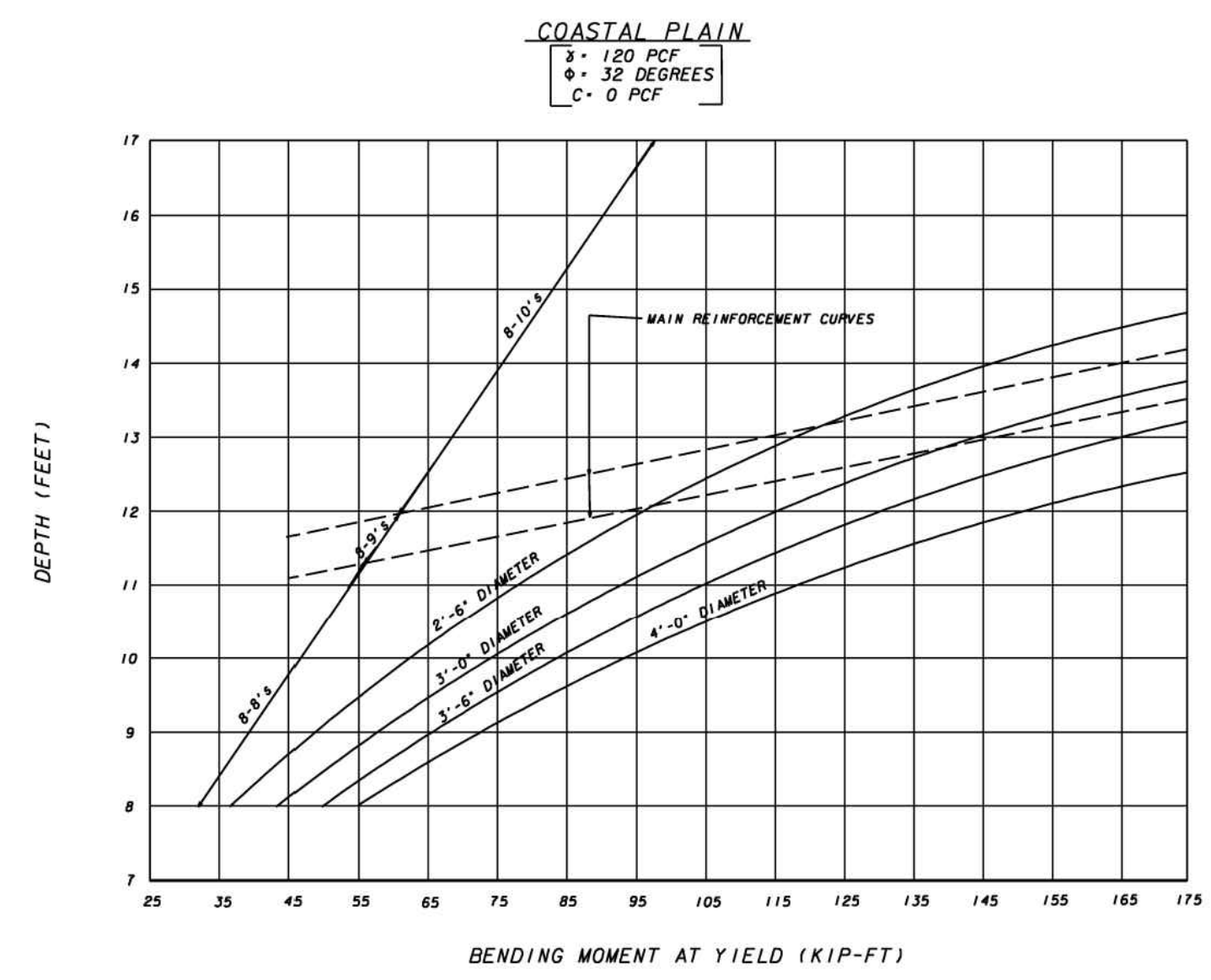
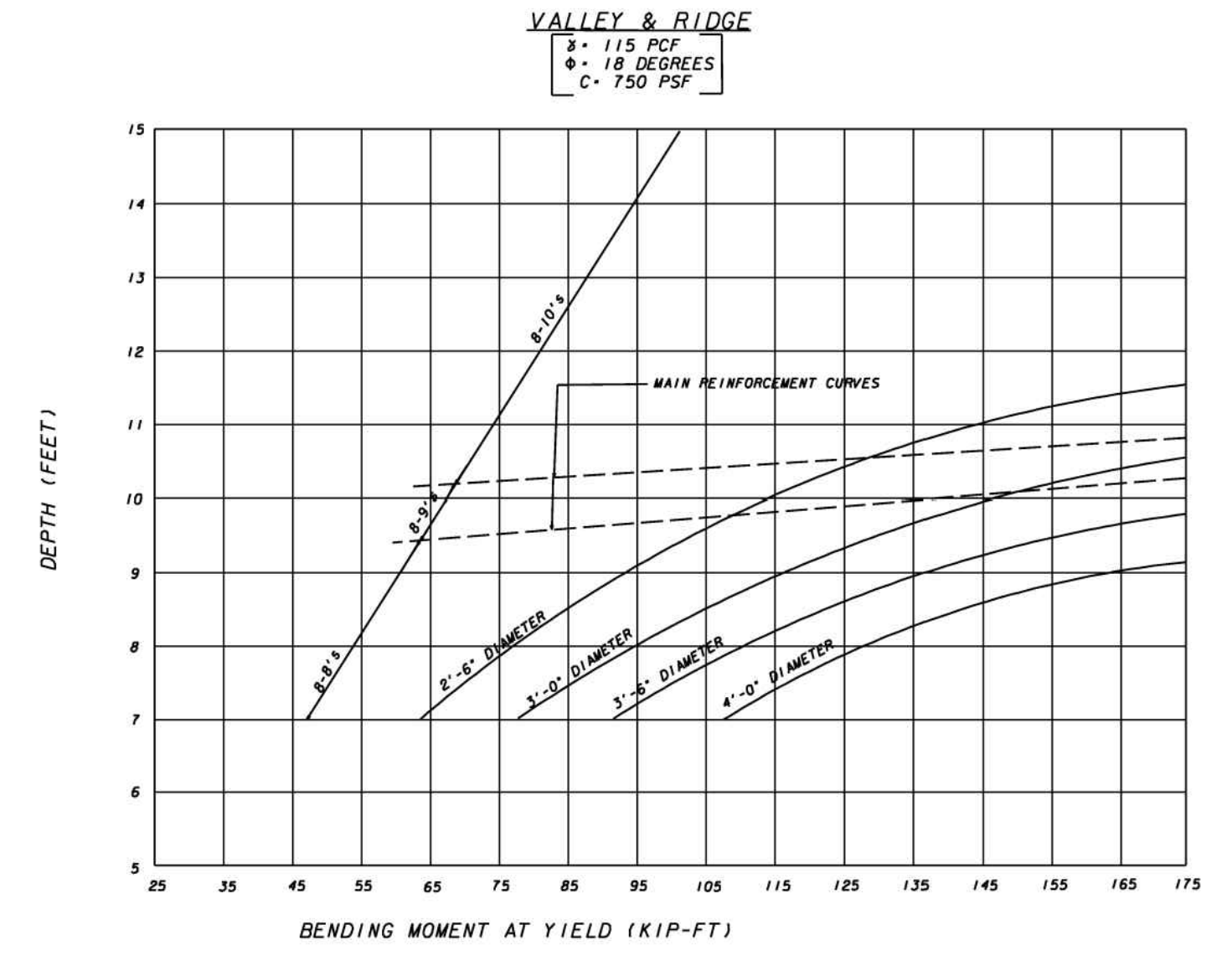
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STATE	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.				



PROCEDURE TO FIND FOOTING SIZE

1. DETERMINE "BENDING MOMENT AT YIELD" FROM APPROVED SHOP DRAWINGS
2. SELECT DIAMETER OF CAISSON.
3. READ "BENDING MOMENT AT YIELD" ON ABSCISSA SCALE. PROJECT A VERTICAL LINE UPWARD UNTIL THE DESIRED "CAISSON DIAMETER CURVE" IS INTERSECTED, TURN 90 DEGREES AND PROJECT A HORIZONTAL LINE UNTIL THE ORDINATE SCALE IS INTERSECTED.
4. READ THE REQUIRED "CAISSON DEPTH" FROM THE INTERSECTION POINT ON THE ORDINATE SCALE DEPTH SHALL BE INTERPOLATED TO THE NEAREST 3 INCH INCREMENT.
5. READ THE REQUIRED "MAIN REINFORCEMENT SIZE" FROM THE INTERSECTION POINT ON THE CAISSON DIAMETER CURVE.



DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION DESCRIPTION		TRAFFIC SIGNAL DETAIL DETAILS OF STRAIN POLE AND MAST ARM FOUNDATIONS	
REV. BY:		APRIL 2010	DETAIL NUMBER TS-06
NOT TO SCALE - REPORT ERRORS			



SEAL

100% SUBMITTAL	1/31/2019								
A									

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:
DWN BY: SPT	CHK BY: TN	FILE NAME: 40-001.DWG	FILE NUMBER:
SUBMITTED BY:	DATE: 02/26/2019	SIZE: 22" x 34"	PLOT SCALE: 1" = 11'

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

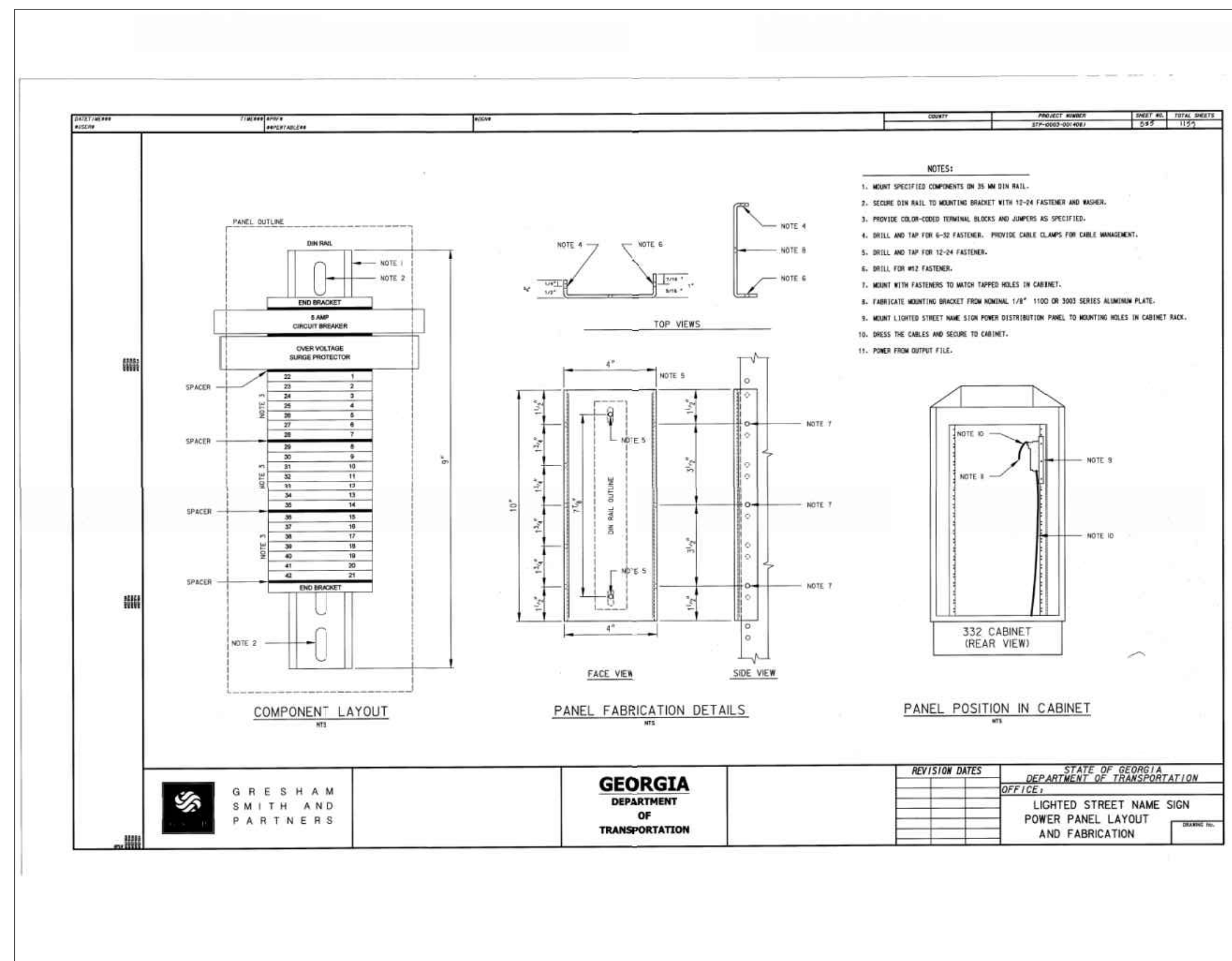
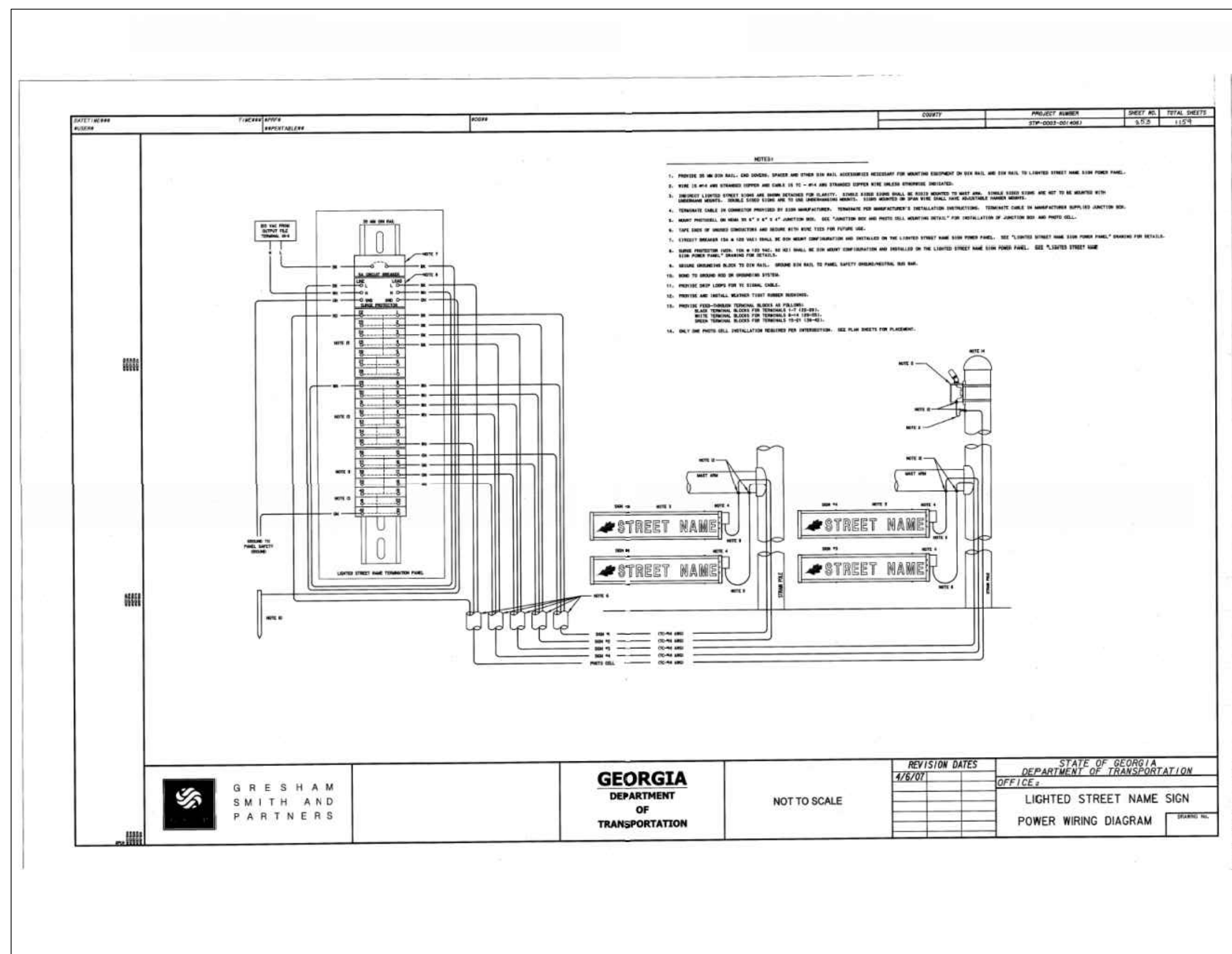
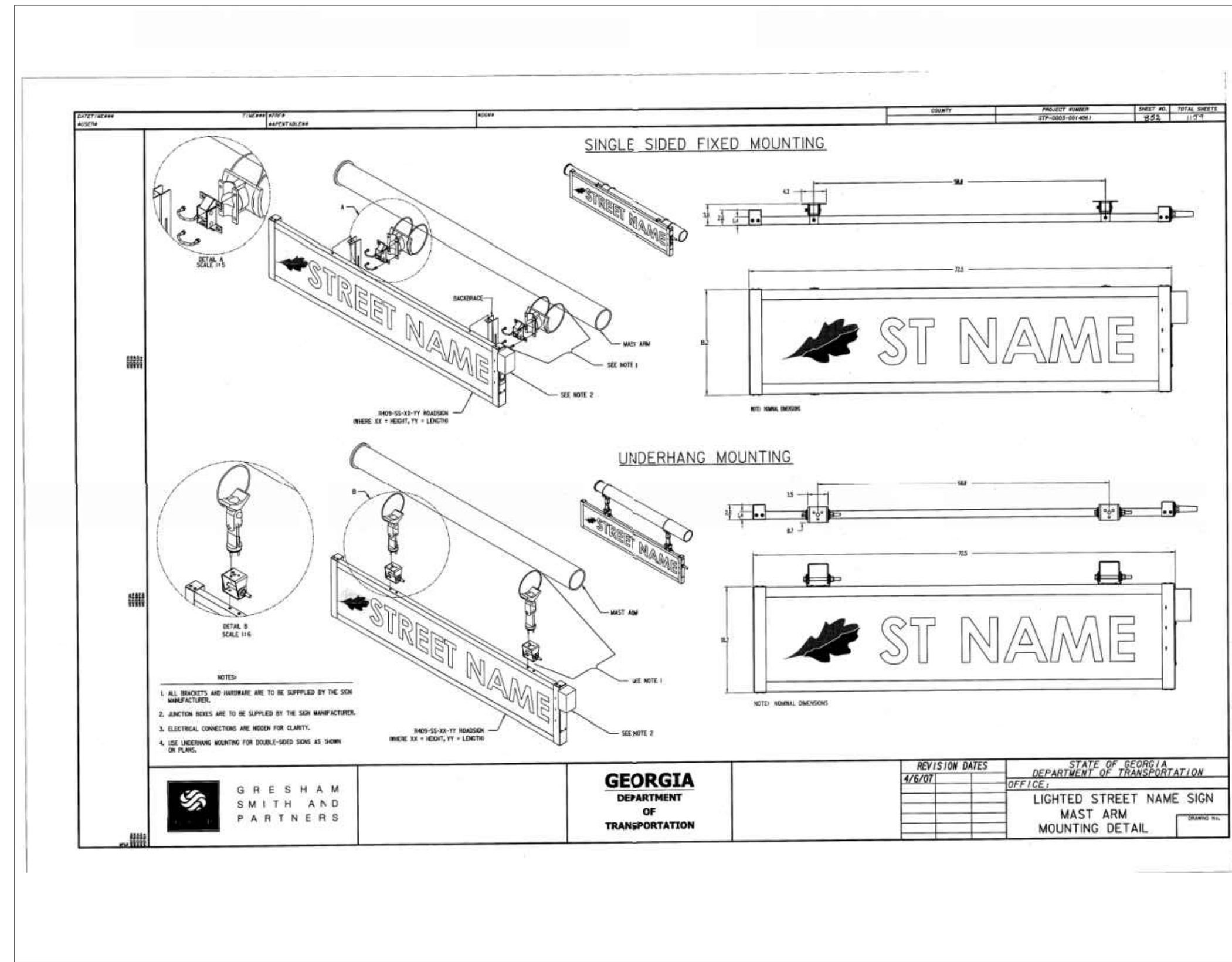
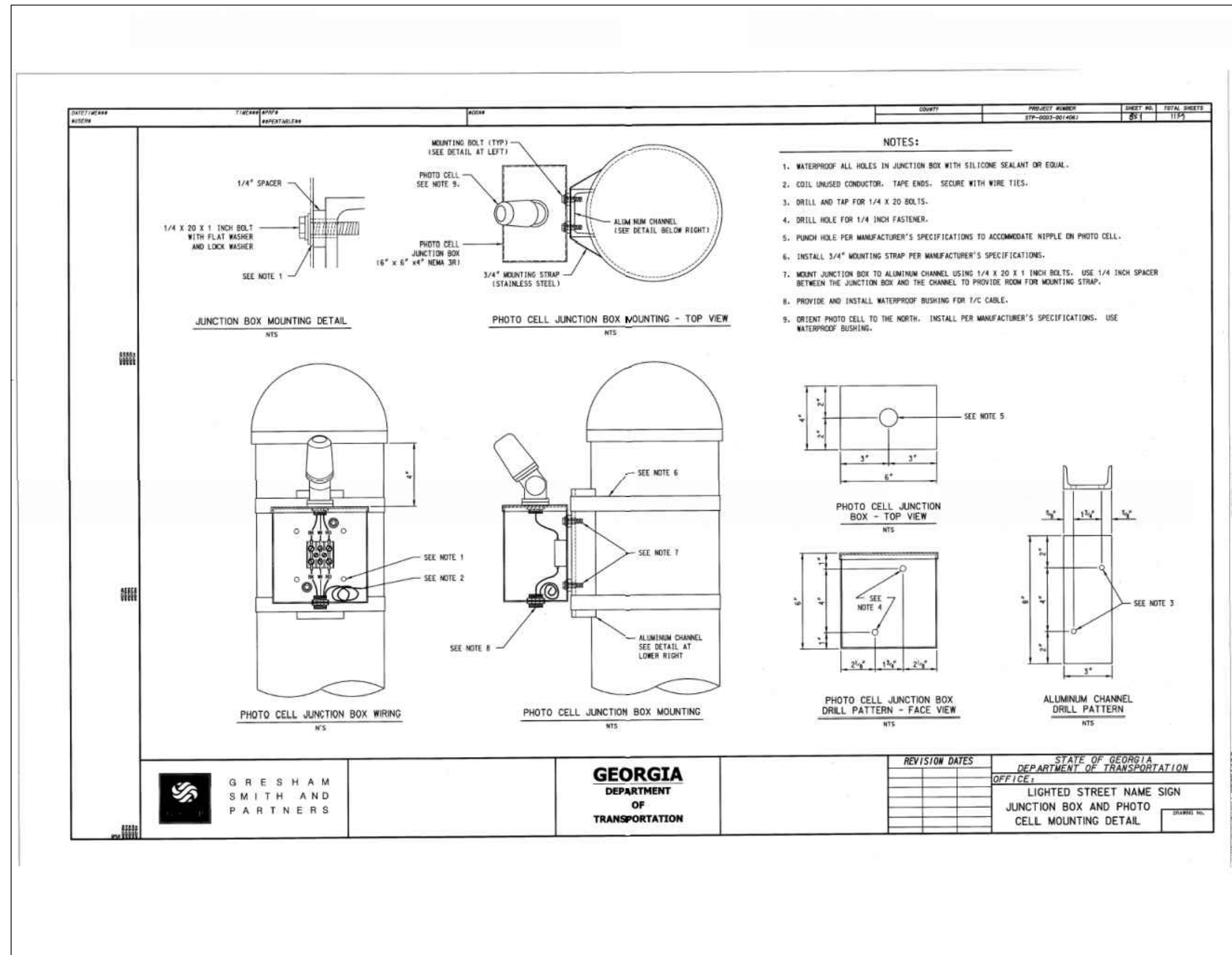
POND

3000 Parkway Lane GA
 30096 SUITE 500
 Phone 678.388.7740
 POND PROJECT No.1190154 Fax: 678.388.7744

PONCE/CHURCH SIDEWALKS
 CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
 40-015

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\40-01.DWG PLOTTED BY: THOMPSON, SYDNEY



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

DESIGNED BY: RBJ
 DATE: 2/22/2019
 100% SUBMITTAL

DWN BY: SPT
 CHK BY: TN
 SUBMITTED BY: TN

FILE NAME: 40-01.DWG
 SIZE: 22" x 34"
 PLOT SCALE: 1:1

CONTRACT NO.:
 FILE NUMBER:
 PLOT DATE: 02/26/2019

MARK
 DATE
 APPR.

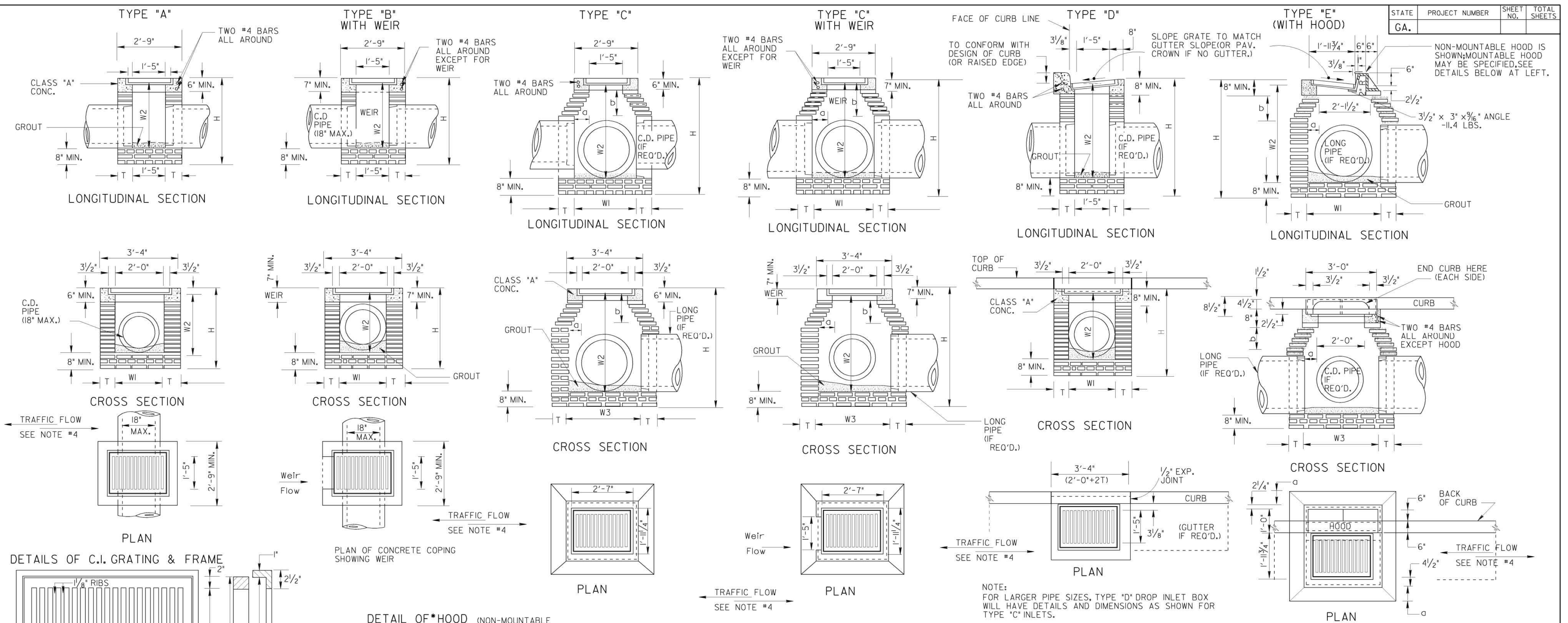
DESCRIPTION

CITY OF CLARKSTON
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 LIGHTED STREET NAME SIGN
 POWER PANEL LAYOUT
 AND FABRICATION

CONSTRUCTION DETAILS

SHEET IDENTIFICATION NUMBER
 40-017

100% DRAWINGS



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:
FOR LARGER PIPE SIZES, TYPE "D" DROP INLET BOX WILL HAVE DETAILS AND DIMENSIONS AS SHOWN FOR TYPE "C" INLETS.

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.

CONSTRUCTION ALTERNATES

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.

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'-9"	2'-9"	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 1/2"	6"	3'-6"
18"	2'-0"	2'-10"	3'-7"	2'-2 1/8"	2'-9"	2'-9"	0'-4 3/8"	0'-7 7/8"	4'-1"	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 1/2"	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 3/4"	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"

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD DROP INLETS
(BUILT-IN-PLACE)

SCALE AS SHOWN

REV. & REDR. AUG., 1999

NUMBER 1019A

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

1012019

100% SUBMITTAL

DESIGNED BY: RBJ
DATE: 2/22/2019

DWN BY: SPT
SPT

CHK BY: TN

SUBMITTED BY: 40-001 (AW)

SOLICITATION NO.: 2222019

CONTRACT NO.:

FILE NUMBER: 40-001 (AW)

FILE NAME: 40-001 (AW)

SIZE: 22" x 34" 1:1

PLOT DATE: 02/26/2019

PLOT SCALE:

MARK

DESCRIPTION

DATE

APPR.

SEAL

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

3000 Parkway Lane
Clarkston, GA 30009
Phone 678.389.7740
Fax 678.389.7744

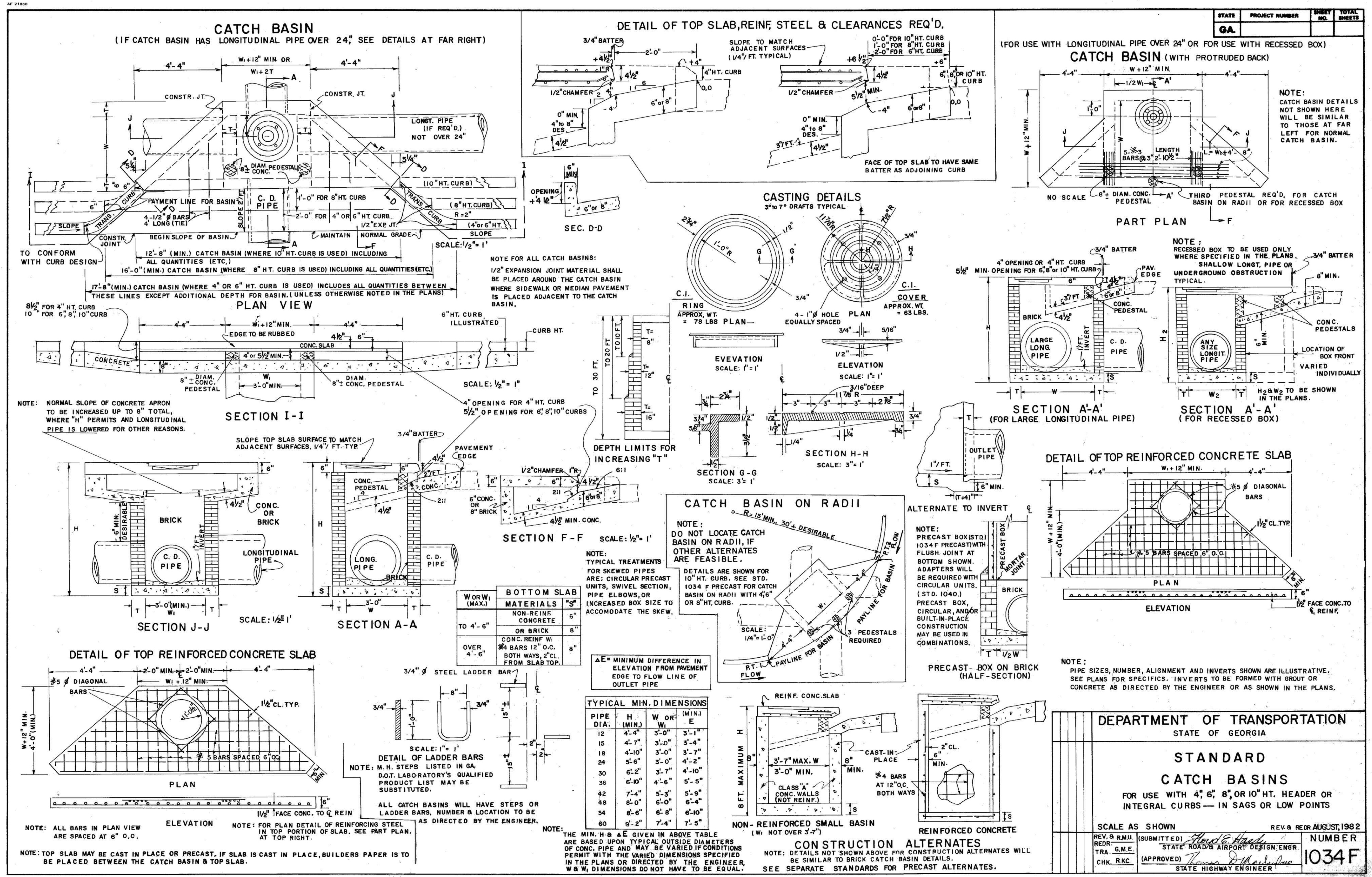
POND

POND PROJECT No. 1190150

CITY OF CLARKSTON
PONCE/CHURCH SIDEWALKS

GEORGIA STANDARDS

SHEET IDENTIFICATION NUMBER
41-001



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			

100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL	100% SUBMITTAL
DATE: 10/12/2019	DATE: 10/12/2019	DATE: 10/12/2019	DATE: 10/12/2019
MARK	MARK	MARK	MARK

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:
DRAWN BY: SPT	CHK BY: TN	FILE NUMBER:	FILE NAME:
SUBMITTED BY:	DATE: 10/12/2019	SIZE: 22" x 34"	PLOT SCALE: 1" = 1'-0"

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

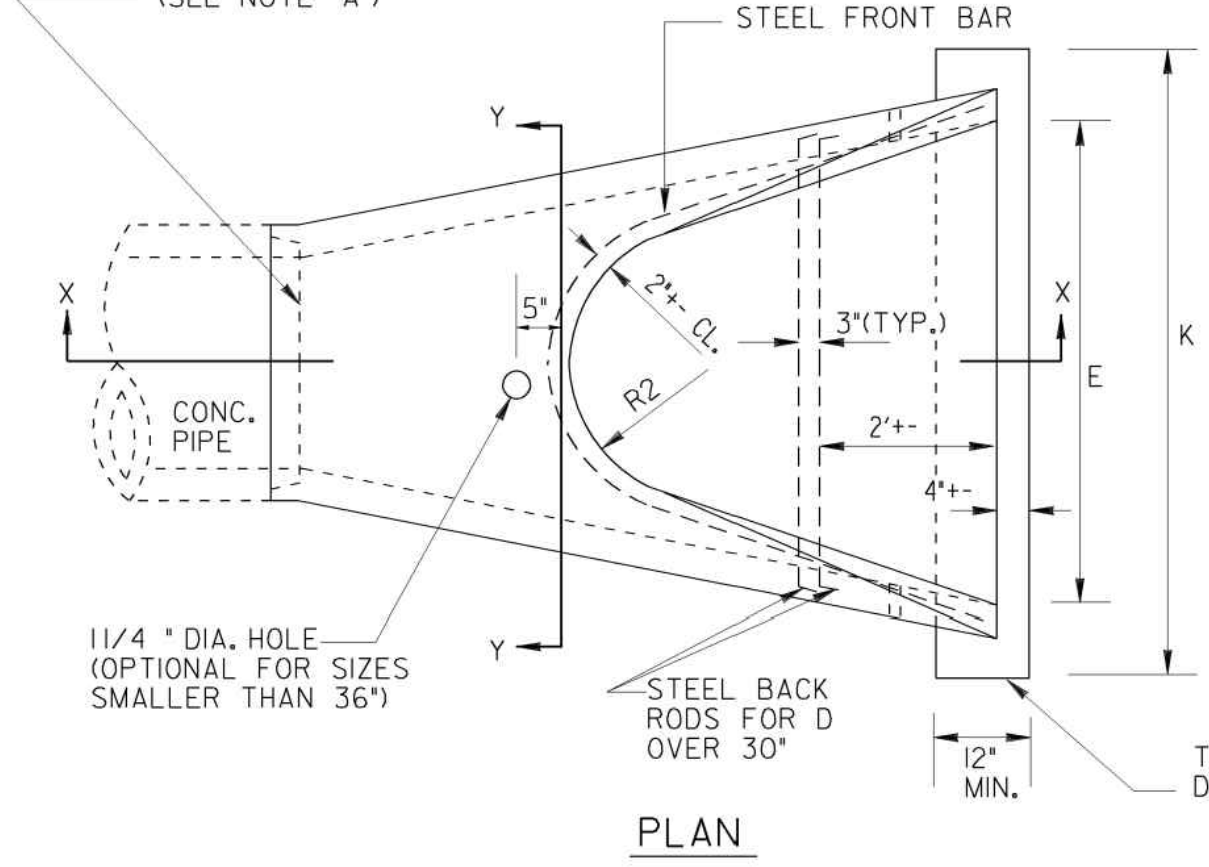
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41-002

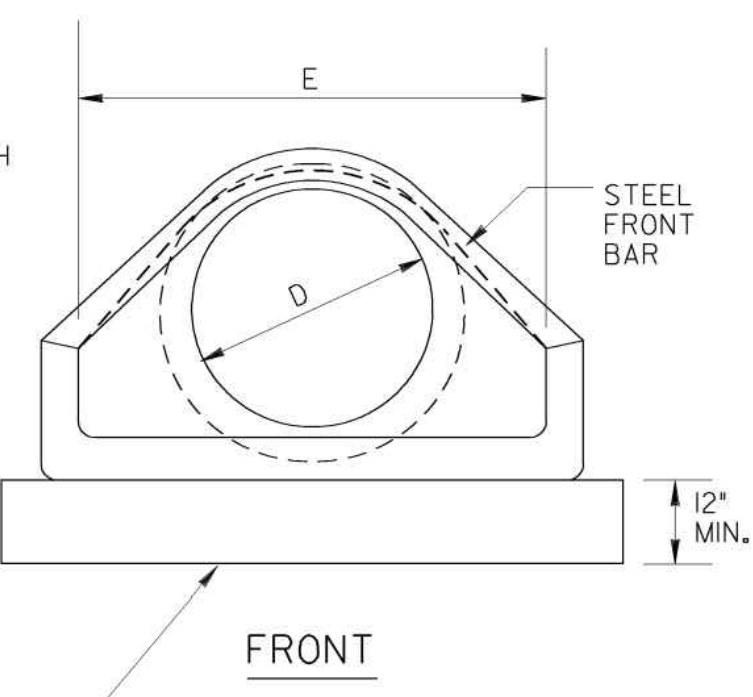
FILE PATH: \\SMTCH\BLADE\PROJECTS\FY19\119015404\CAD_BIM\04.02.CAD\CHURCH & PONCE\00-001.DWG PLOTTED BY: THOMPSON, SYDNEY

END SECTION TO PIPE JOINT SHOWN AS TYPICAL:
HUB END ON OUTLET END SECTIONS;
SOCKET END ON INLET END SECTIONS
(SEE NOTE 'A')

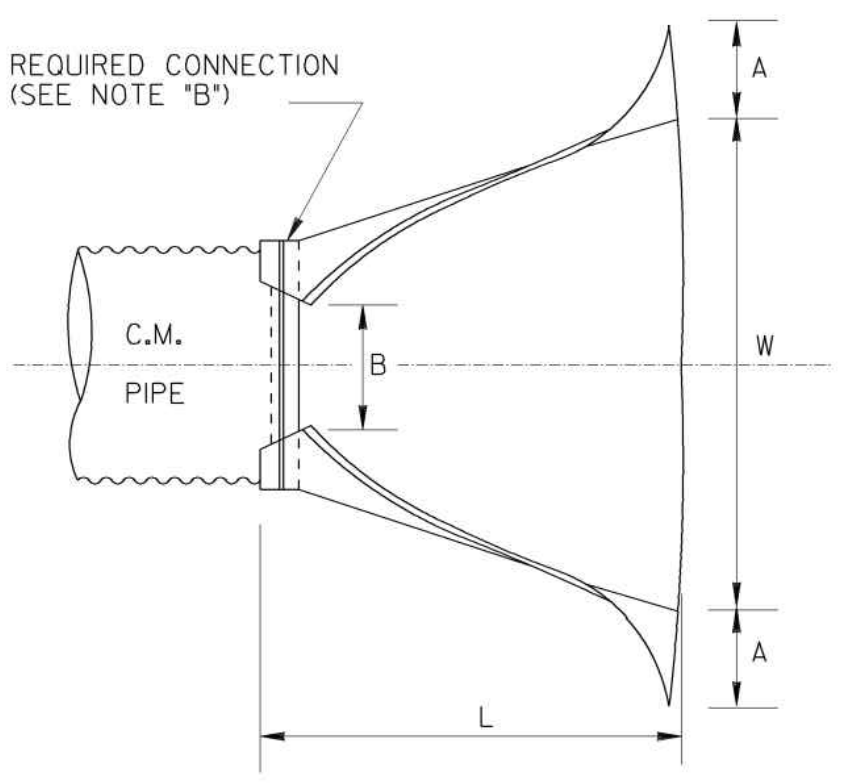
CONCRETE FLARED END SECTION



INSTALLATION: (D OVER 30")
CABLE, CHAIN, OR LIFTING PIN
WILL EXTEND THRU 1 1/4\"/>



METAL FLARED END SECTION
(USE ONLY WITH COR. METAL PIPE)

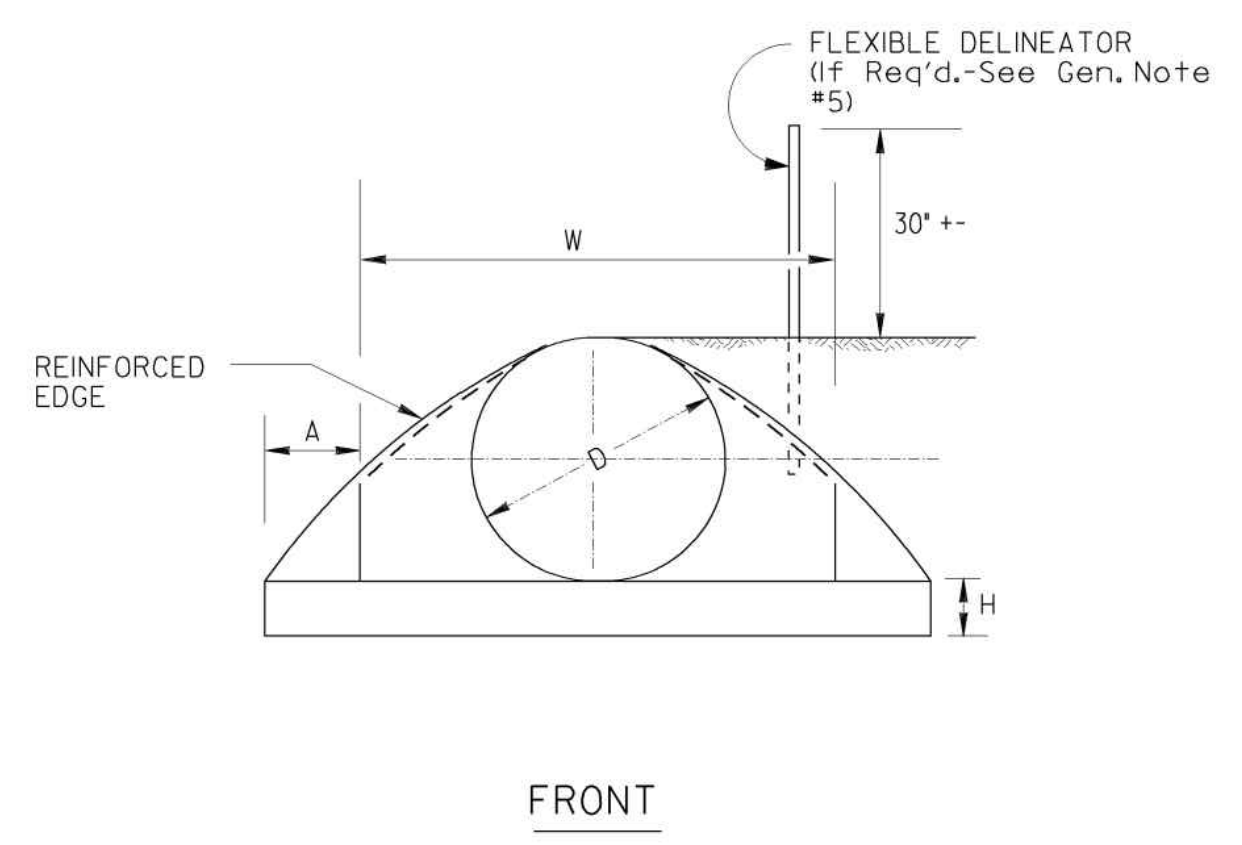
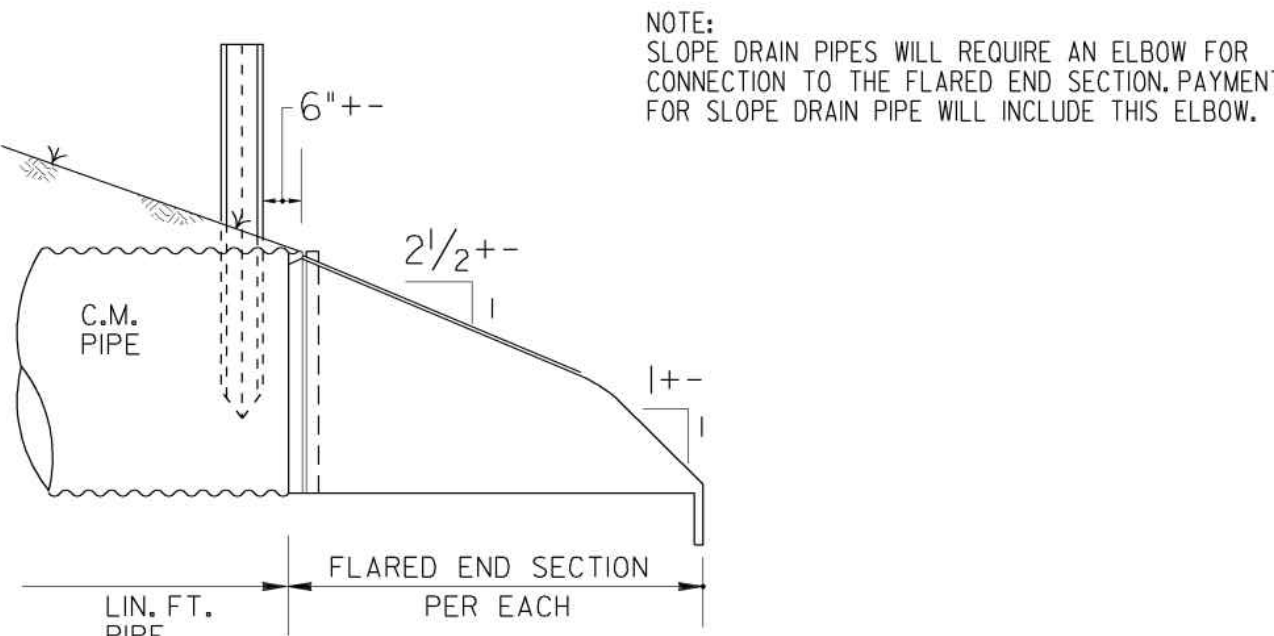
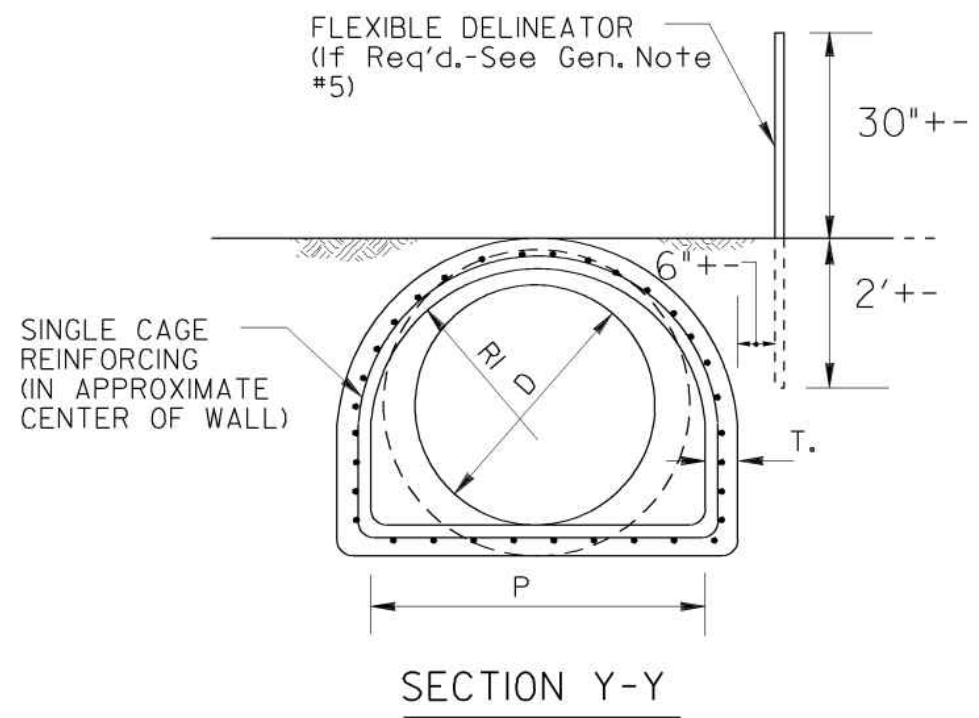
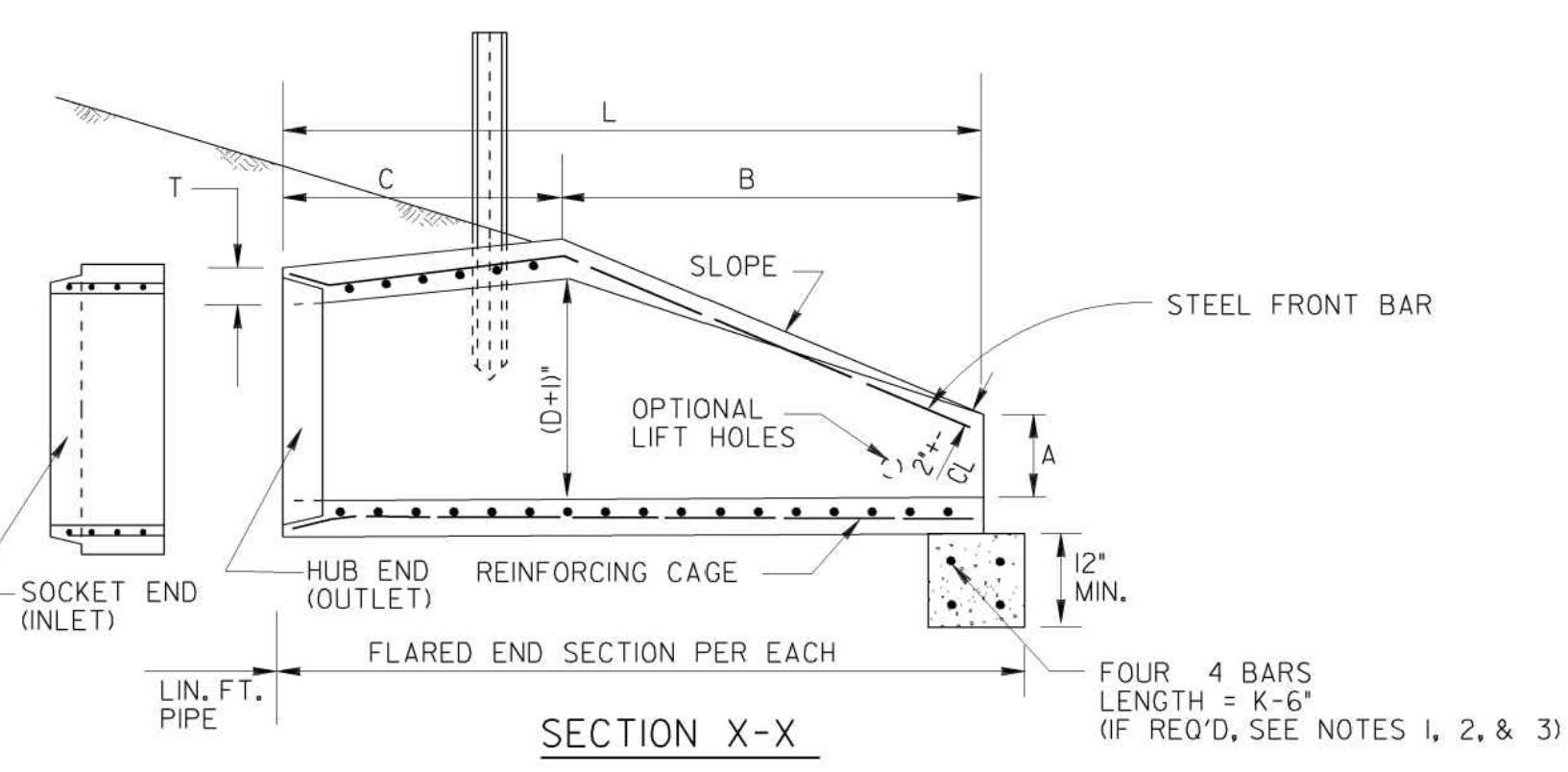


NOTE: GALVANIZED STEEL FLARED END SECTIONS ARE TO BE USED ONLY WITH CORRUGATED STEEL PIPE AND ALUMINUM FLARED END SECTIONS ARE TO BE USED ONLY WITH CORRUGATED ALUMINUM PIPE UNLESS OTHERWISE APPROVED BY D.O.T. OFFICE OF MATERIALS AND TESTS.

PIPE SIZE 'D'	THICKNESS		A= 0.40 +/- 1"	B=0.5 D +/- 1"	H=0.25D +/- 1" (MIN.6")	L=1.67D +/- 1/2"	W=2.0D +/- 2"
	GALV. STEEL	ALUM.					
12"	.064"	.060"	5"	6"	6"	1'8"	2'0"
15"	.064"	.060"	6"	7"	6"	2'3"	2'6"
18"	.064"	.060"	7"	9"	6"	2'6"	3'0"
24"	.064"	.060"	9"	1'0"	6"	3'4"	4'0"
30"	.079"	.105"	1'0"	1'3"	7"	4'2"	5'0"
36"	.079"	.105"	1'2"	1'6"	9"	5'0"	6'0"
42"	.109"	.164"	1'5"	1'9"	10"	5'10"	7'0"

NOTE: WHERE METAL FLARED END SECTIONS ARE USED WITH MULTIPLE PIPE LINES, THE STANDARD SPACING BETWEEN PIPES (S-D OR 3 FT.) MAY HAVE TO BE INCREASED (S=1.75 D TYPICAL), TO PREVENT OVERLAP OF END SECTION WINGTIPS. SEE ALSO STD. 10300.

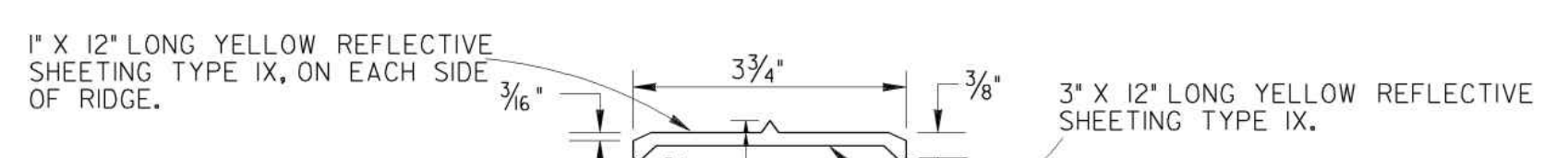
NOTE: DO NOT CUT CONCRETE PIPE. USE FULL LENGTH SECTIONS ONLY. WARP SLOPE TO CONFORM WITH PIPE LENGTH AND END SECTION.



SPECIAL NOTE:
FLARED END SECTIONS ARE NORMALLY LIMITED TO USE OUTSIDE THE CLEAR ZONE OR BEHIND BARRIER AND WHERE HYDRAULICS PERMIT. SEE OTHER STANDARDS OR DETAILS FOR TAPERED HEADWALLS, SAFETY SLOPE END SECTIONS OR OTHER PIPE END STRUCTURES.

GENERAL NOTES :

- TOEWALLS ARE REQ'D. FOR OUTLETS OF CONC. STORM DRAINS, EXCEPT WHERE DITCH PAVING OR OTHER EROSION PROTECTION IS PROVIDED OR WHERE THE OUTLET VELOCITY IS LESS THAN 8 FT./SEC. TOEWALLS ARE NOT REQUIRED FOR SIDE DRAINS, SLOPE DRAINS OR INLETS OF STORM DRAINS THIS CRITERIA MAY BE VARIED WHERE SPECIFIED BY THE DESIGNER OR THE ENGINEER.
- TOEWALLS WILL BE PAID FOR AS CU. YDS. OF CLASS 'A' OR 'B' CONCRETE. CONTRACTOR MAY ELECT TO CONSTRUCT TOE WALL WITH SAND CEMENT BAG RIPRAP OR STONE RIPRAP TO SAME MINIMUM DIMENSIONS WITH NO ADDITIONAL PAYMENT.
- PRECAST TOEWALLS SHALL BE CL. 'A' CONCRETE; CAST-IN-PLACE TOEWALLS MAY BE CL. 'A' OR 'B' CONCRETE AND MAY BE TRENCH FORMED WHERE PLANS ITEMIZE ONE CLASS OF CONCRETE AND CONTRACTOR ELECTS TO USE OTHER CLASS, NO ADDITIONAL PAYMENT IS MADE, NO PAYMENT IS MADE FOR STEEL IN TOEWALL.
- CENTERLINE OF FLARED END SECTION WILL ALIGN WITH CENTERLINE OF PIPE, IF PIPE IS SKEWED, THE EMBANKMENT SLOPE WILL BE WARPED TO CONFORM WITH END SECTION.
- FLEXIBLE DELINEATORS SHALL BE REQUIRED AT CROSS DRAIN FLARED END SECTIONS, BOTH INLET AND OUTLET. PAYMENT FOR FLARED END SECTION WILL INCLUDE DELINEATORS, SEE DETAIL AND NOTES BELOW. DELINEATORS NOT REQ'D. FOR SIDE DRAIN, SLOPE DRAIN, OR LONG PIPE.



NOTE: DELINEATOR POST SHALL CONFORM TO SEC. 911 FOR FLEXIBLE DELINEATOR POST EXCEPT REFLECTIVE SHEETING IS NOT REQUIRED AND LENGTH IS 4'-6" FROM TOP TO BOTTOM POINT. ALTERNATES PERMITTED IF APPROVED BY D.O.T. LABORATORY.

SPECIAL NOTE:
PIPE SIZES (D) ARE 'NOMINAL-MINIMUM' INSIDE DIAMETERS IN ACCORDANCE WITH GEORGIA STANDARD FOR PIPE CULVERTS. 'D' DIMENSION FOR FLARED END SECTION SHALL EQUAL THE 'D' DIMENSION FOR CONNECTING PIPE CULVERT.

REINFORCING CAGE:
(1) WIRE FABRIC HAVING EQUAL STEEL AREA AS INNER CAGE FOR CLASS II PIPE, AASHTO M-170.
(2) ALTERNATE: # 3 BARS SPACED 12" LONGITUDINALLY WITH # 2 BARS TRANSVERSELY AT 6" O.C. MAX. SPACING, SPOT WELDED OR TIED TO FORM CAGE. (BACK RODS MAY BE OMITTED.)

NOTE 'A':

CONTRACTOR WILL INFORM PRODUCER IF CONCRETE FLARED END SECTION IS FOR INLET OR FOR OUTLET END. SOCKET (TONGUE OR SPIGOT) END IS REQUIRED FOR INLETS. HUB (GROOVE OR BELL) END IS REQUIRED FOR OUTLETS. SOCKET TO SOCKET OR HUB TO HUB JOINT WILL NOT BE ACCEPTED UNLESS A REINFORCED CONCRETE COLLAR IS BUILT AROUND THE JOINT WITH NO PAYMENT BEING MADE FOR THE COLLAR.
FLARED END SECTIONS SHALL BE JOINED TO PIPE WITH ALL SPACE IN THE JOINT FILLED WITH EITHER BITUMINOUS PLASTIC CEMENT OR PREFORMED PLASTIC GASKET (SEC. 848).

WALL THICKNESS (T) IS SHOWN AS NOMINAL AND MAY BE INCREASED AT PRODUCER'S OPTION FOR DESIRED JOINT DESIGN OR TO ALLOW A FLAT OUTSIDE BOTTOM ON THE FLARE, WITH INSIDE DIMENSIONS OF FLARE RETAINED AS SHOWN.
T = PIPE WALL THICKNESS (0.0833D + 1" TYPICAL)

DIMENSIONS AND REINFORCING FOR CONCRETE FLARED END SECTIONS (+/- 1" TOLERANCE)											OUTLET TOEWALL (IF REQ'D)		
PIPE DIA	FRONT BAR	BACK RODS	SLOPE +/-	A	B	C	L	E	P	R1	R2	K= E + 2'	CU. YDS. CONC.
12"	1-#3 x 5' 4"	NOT REQ'D.	2.2d	4'	2'0"	4' 1"	6' 1"	2'0"	1'8"	10"	9"	4'-0"	.148
15"	1-#3 x 6' 0"	NOT REQ'D.	2.2d	6'	2'3"	3'10"	6' 1"	2'6"	2'0"	1'0"	11"	4'-6"	.167
18"	1-#3 x 7' 2"	NOT REQ'D.	2.2d	9'	2'3"	3'10"	6' 1"	3'0"	2'5"	1'4"	10"	5'-0"	.185
24"	1-#3 x 9' 10"	NOT REQ'D.	2.4d	10'	3'8"	2' 6"	6' 2"	4'0"	2'9"	1'5"	12"	6'-0"	.222
30"	1-#4 x 11' 8"	NOT REQ'D.	2.4d	12'	4'6"	1' 8"	6' 2"	5'0"	3' 1"	1'6"	13"	7'-0"	.259
36"	1-#4 x 13' 10"	2-#4 x 6'3"	2.4d	15'	5'3"	2' 11"	8' 2"	6'0"	4'0"	2'0"	1'8"	8'-0"	.296
42"	1-#4 x 13' 10"	2-#4 x 7'4"	2.4d	21'	5'3"	2' 11"	8' 2"	6'6"	4'6"	2'4"	1'10"	8'-6"	.315

NOTE: SPECIFIED REINFORCING IS MINIMAL AND MAY BE INCREASED AT PRODUCER'S OPTION TO AID CASTING & HANDLING. ALTERNATE REINFORCEMENT PERMITTED IF APPROVED.

* NOTE: 'C' AND 'L' DIMENSION MAY BE MEASURED TO EITHER END OF JOINT CONNECTION AT PIPE.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
FLARED END SECTIONS
FOR PIPES

NO SCALE REV. & REDR. SEPT., 1999

NO SCALE

DES. (SUBMITTED) *B. A. H. H.*
STATE ROAD & AIRPORT DESIGN ENGINEER
REV. (APPROVED) *O. S. H. H.*
CHIEF ENGINEER

NUMBER 1120

100% SUBMITTAL

DESIGNED BY: RBJ DATE: 2/22/2019
DRAWN BY: T/N SOLICITATION NO.:
SPT CONTRACT NO.:
SUBMITTED BY: FILE NAME: 40-001.dwg
PLOT DATE: 02/26/2019
PLOT SCALE: 22" x 34" 1:1

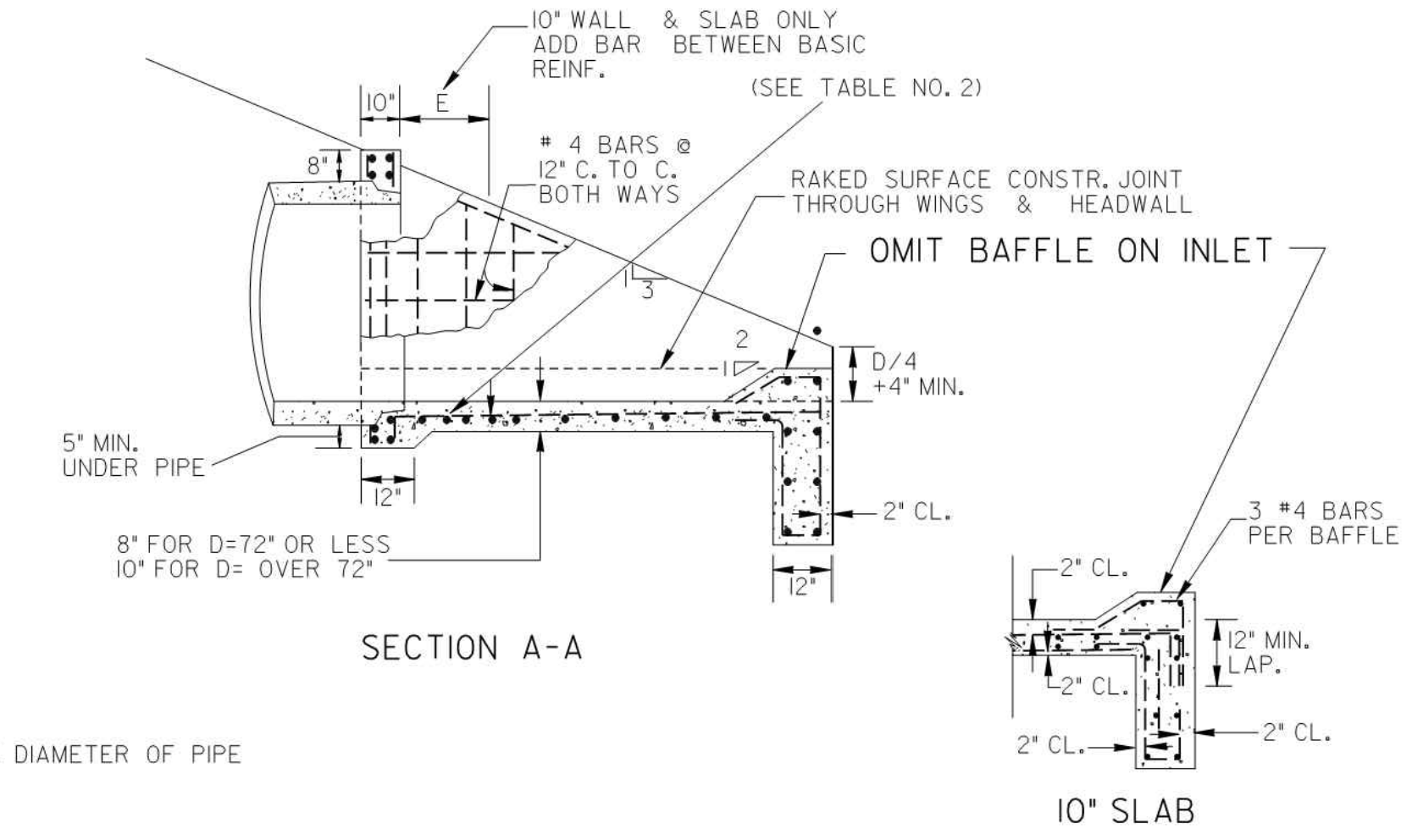
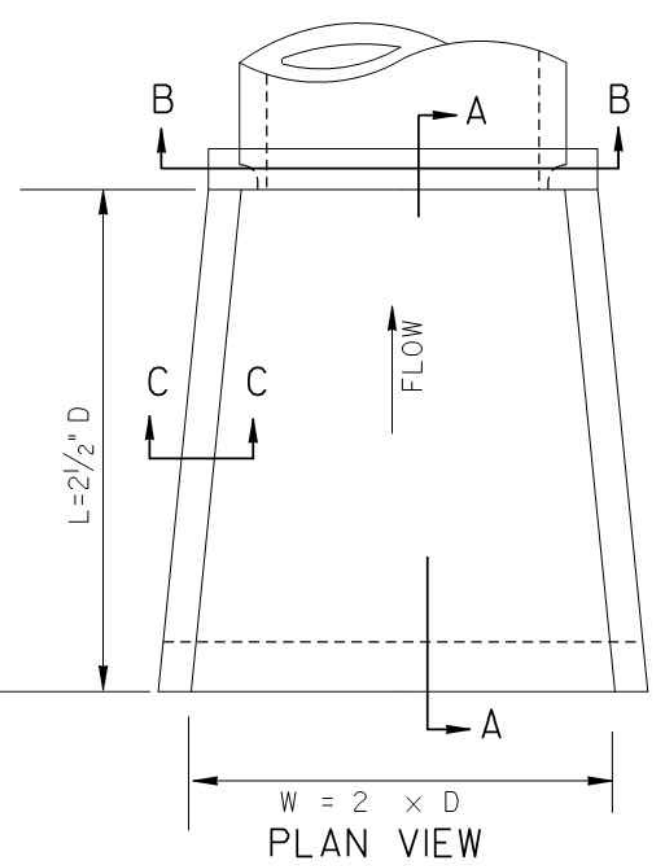
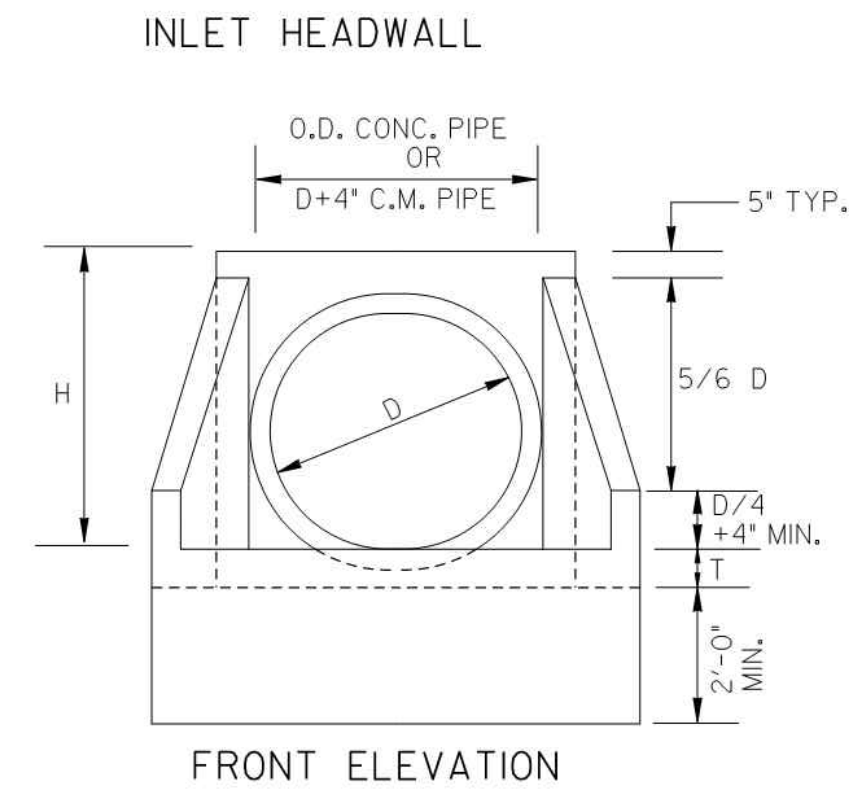
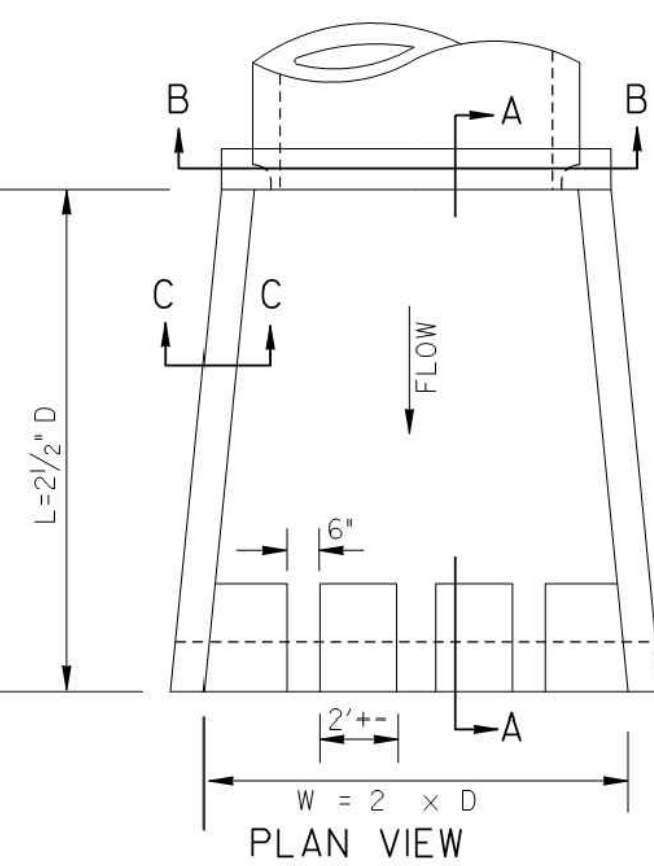
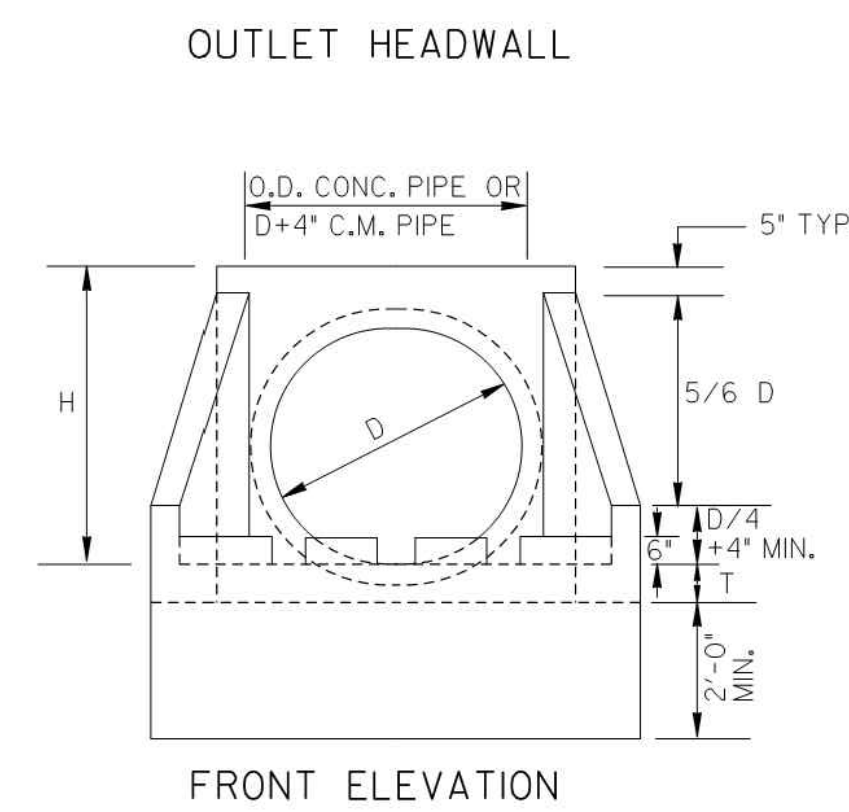
CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D -
PONCE/CHURCH SIDEWALK

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

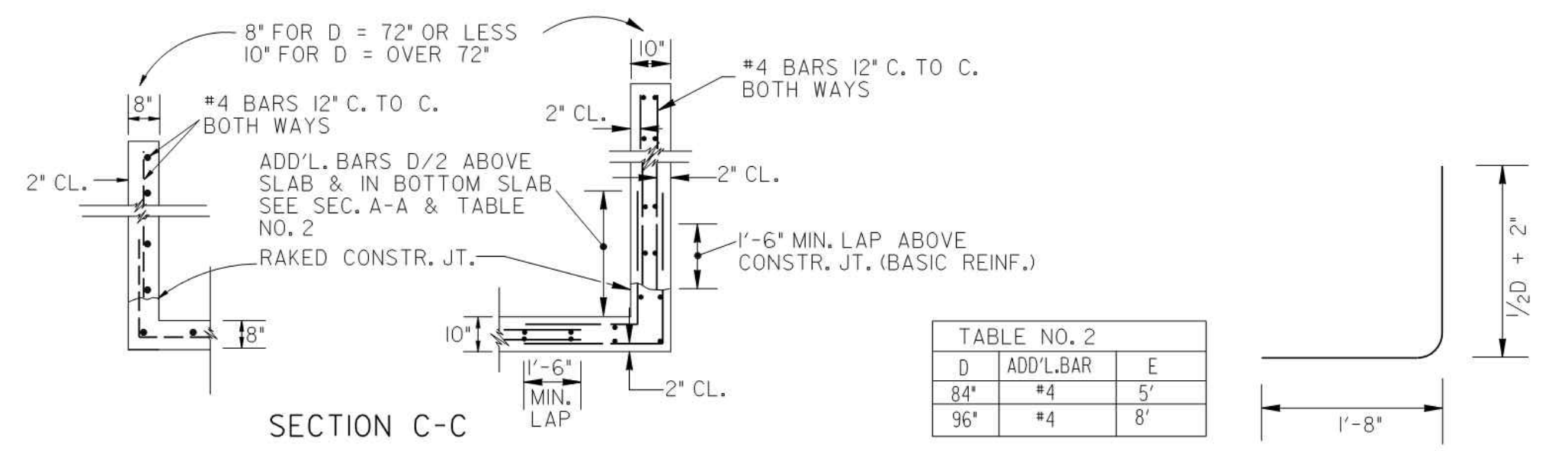
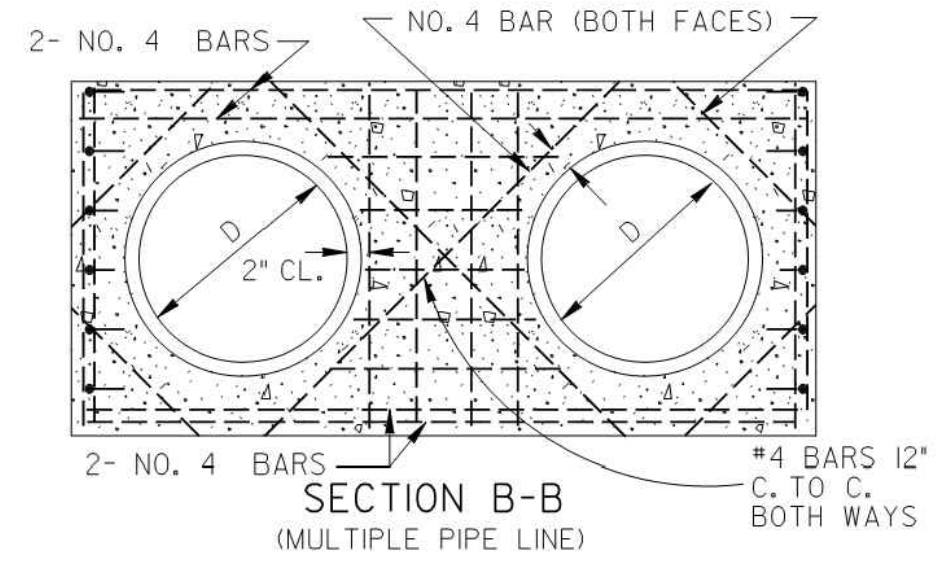
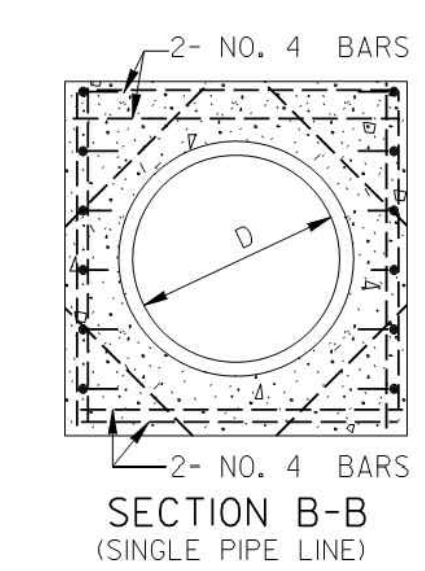
PONCE/CHURCH SIDEWALKS
GEORGIA STANDARDS

SHEET IDENTIFICATION NUMBER
41-003

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP00-2868-001000	150	258



D = INSIDE DIAMETER OF PIPE



D	ADD'L. BAR	E
84"	#4	5'
96"	#4	8'

D	CU. YDS. CONCRETE (PAY QUANTITIES) *				LBS. STEEL (GIVEN FOR INFORMATION ONLY)			
	FOR SINGLE LINE		ADD FOR ADD'L LINE		FOR SINGLE LINE		ADD FOR EACH ADD'L LINE	
15"	0.87	0.93	0.60	0.66	102	113	73	83
18"	1.10	1.16	0.85	0.93	106	117	93	104
24"	1.61	1.69	1.29	1.37	127	138	124	134
30"	2.21	2.32	1.83	1.96	170	180	154	164
36"	2.92	3.05	2.49	2.63	238	254	196	212
42"	3.73	3.87	3.00	3.17	290	306	231	247
48"	4.62	4.80	3.58	3.74	335	351	265	281
54"	5.63	5.83	4.17	4.38	407	428	319	340
60"	6.72	6.95	4.82	5.01	456	477	360	391
72"	9.22	9.48	6.24	6.46	623	649	475	494
84"	14.84	15.19	9.05	9.29	1517	1539	1017	1044
96"	18.88	19.27	11.13	11.41	2118	2150	1323	1350

* NOTE: QUANTITIES SHOWN WILL BE ACTUAL PAY QUANTITIES FOR CLASS "A" CONCRETE, INCLUDING REINFORCED STEEL. NO ADJUSTMENT WILL BE MADE FOR AS BUILT QUANTITIES.

D = INSIDE DIAMETER OF PIPE CULVERT
H = D + 10" MIN. FOR C.M. PIPE
H = D + PIPE WALL THICKNESS + 8" FOR CONC. PIPE (13/12 D + 9" TYP.)
T = 8" FOR D = 72" OR LESS
T = 10" FOR D = OVER 72"

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD TAPERED INLET HEADWALL - OUTLET HEADWALL (BUILT-IN-PLACE)

NO SCALE
DES. (SUBMITTED) *James K. Kaul*
DRAWN BY STATE ROAD & AIRPORT DESIGN ENGR.
TRA. (APPROVED) *David L. Patten*
CHK. CHIEF ENGINEER

REV. & REDR. OCT., 1999
NUMBER 1125

41-11

DATE	DESCRIPTION	MARK	APPR.
1/31/2019	100% SUBMITTAL		

DESIGNED BY: RBJ	DATE: 2/22/2019	SOLICITATION NO.:	CONTRACT NO.:	FILE NUMBER:	PLOT DATE: 02/26/2019
DWN BY: JTN	CHK BY: JTN	FILE NAME: 40-001.DWG	FILE NUMBER:	SIZE: 22" x 34" 1:1	PLOT SCALE:

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

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

POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
GEORGIA STANDARDS

SHEET IDENTIFICATION NUMBER
41-004

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19\119015404\CAD_BIM\04_02\CAD\CHURCH & PONCE\04-001.DWG PLOTTED BY: THOMPSON, SYDNEY



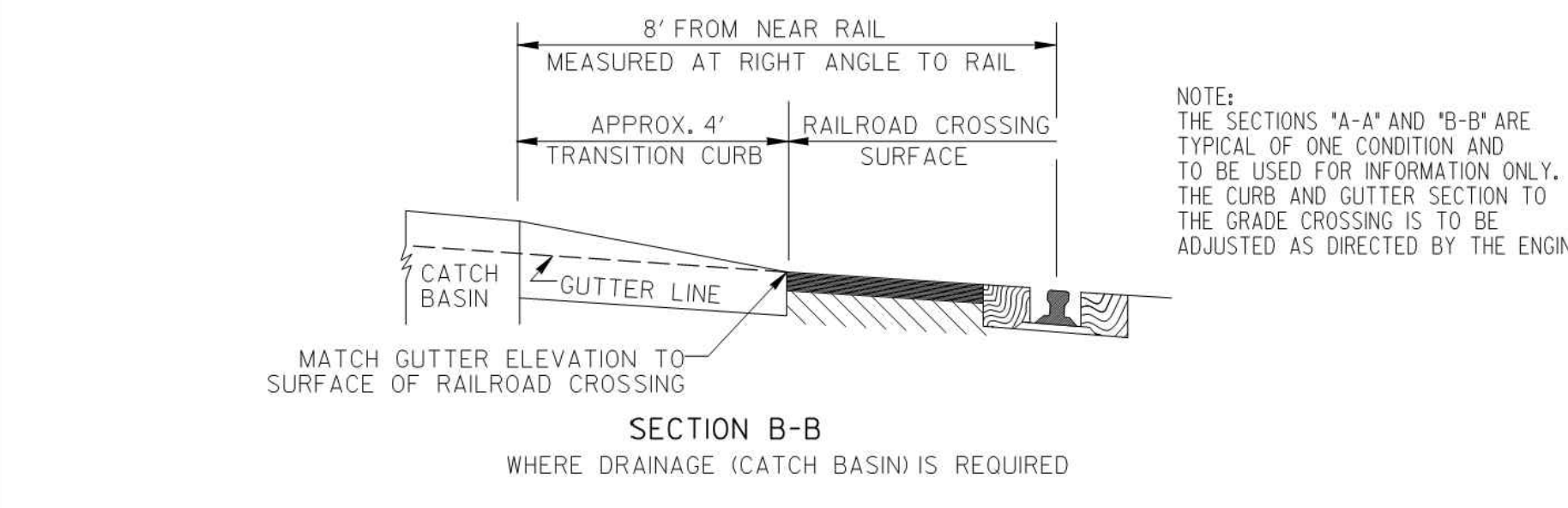
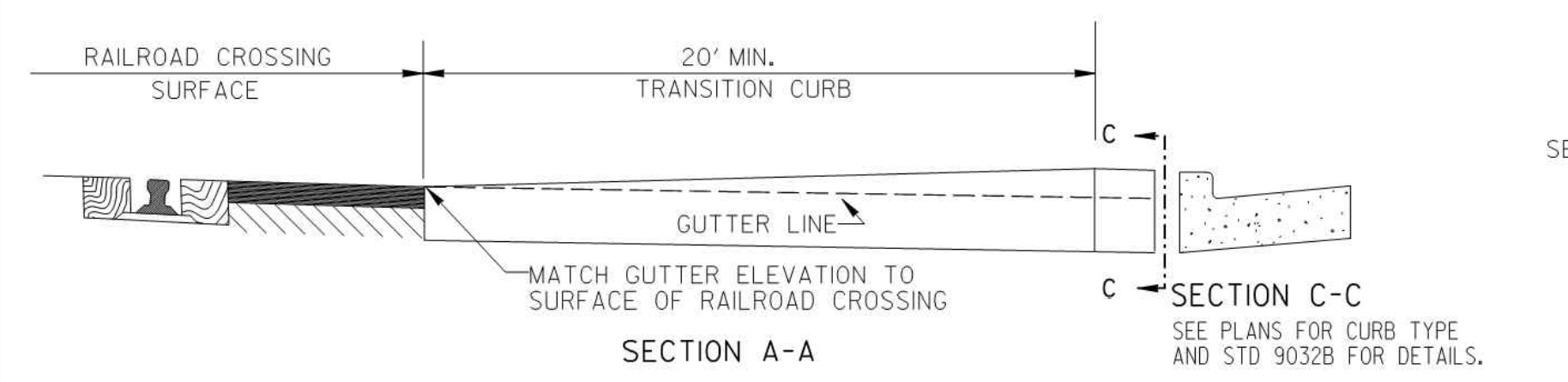
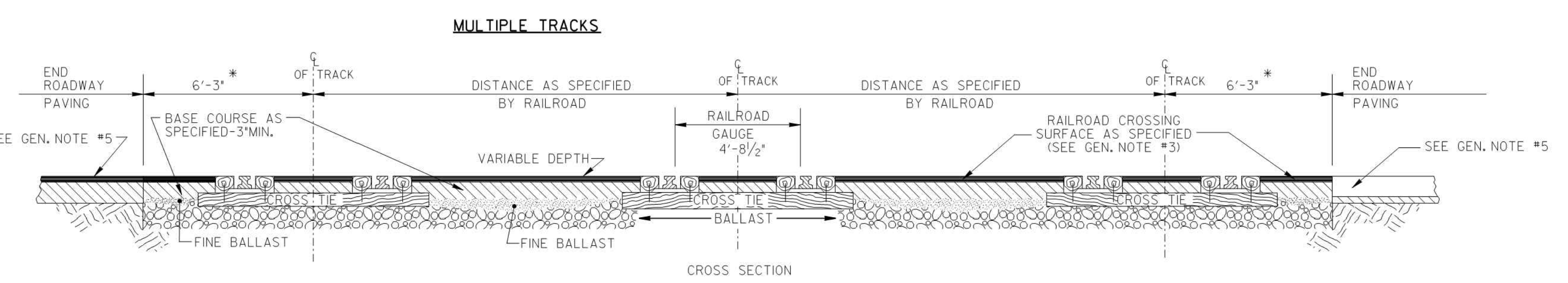
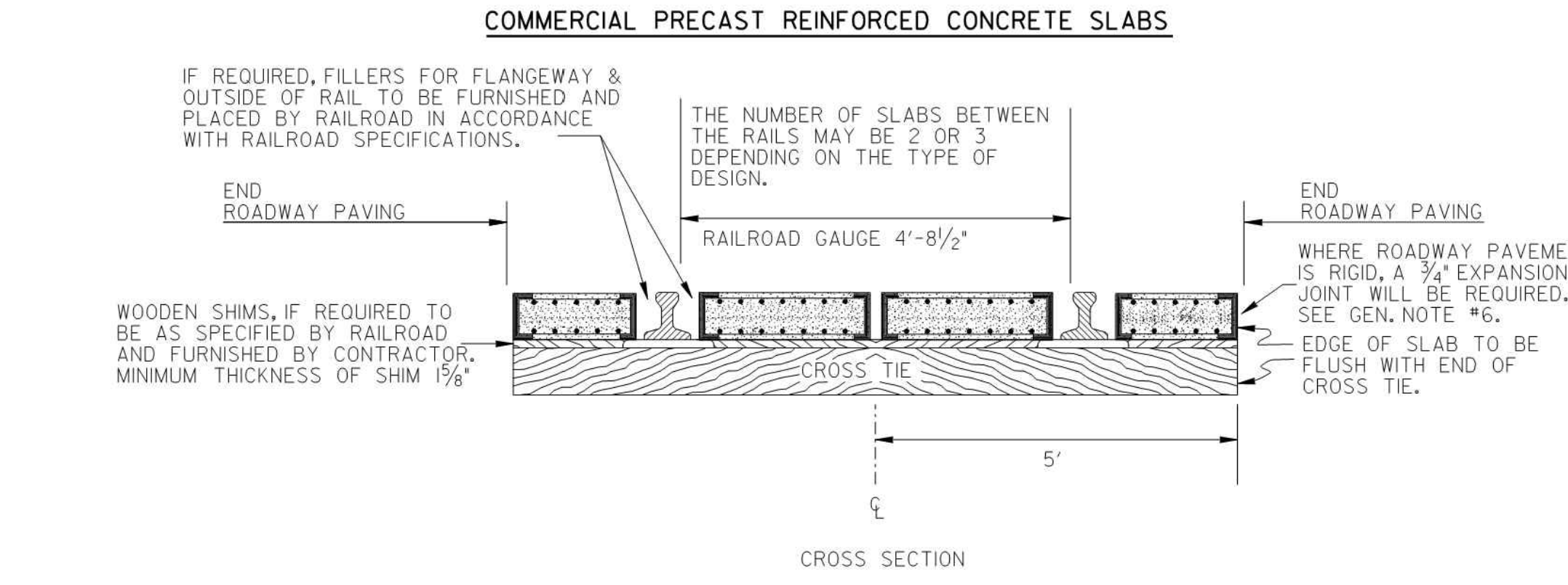
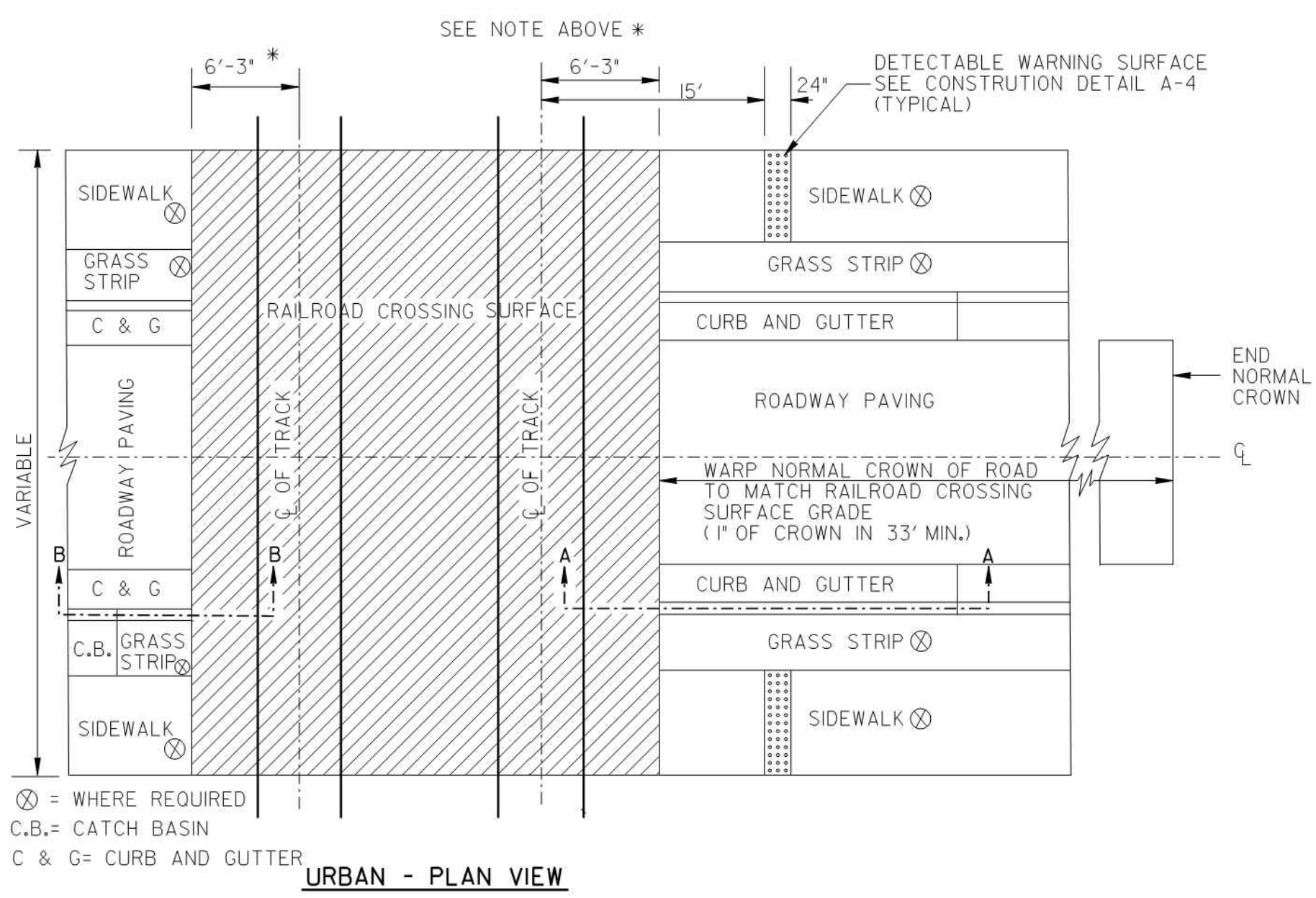
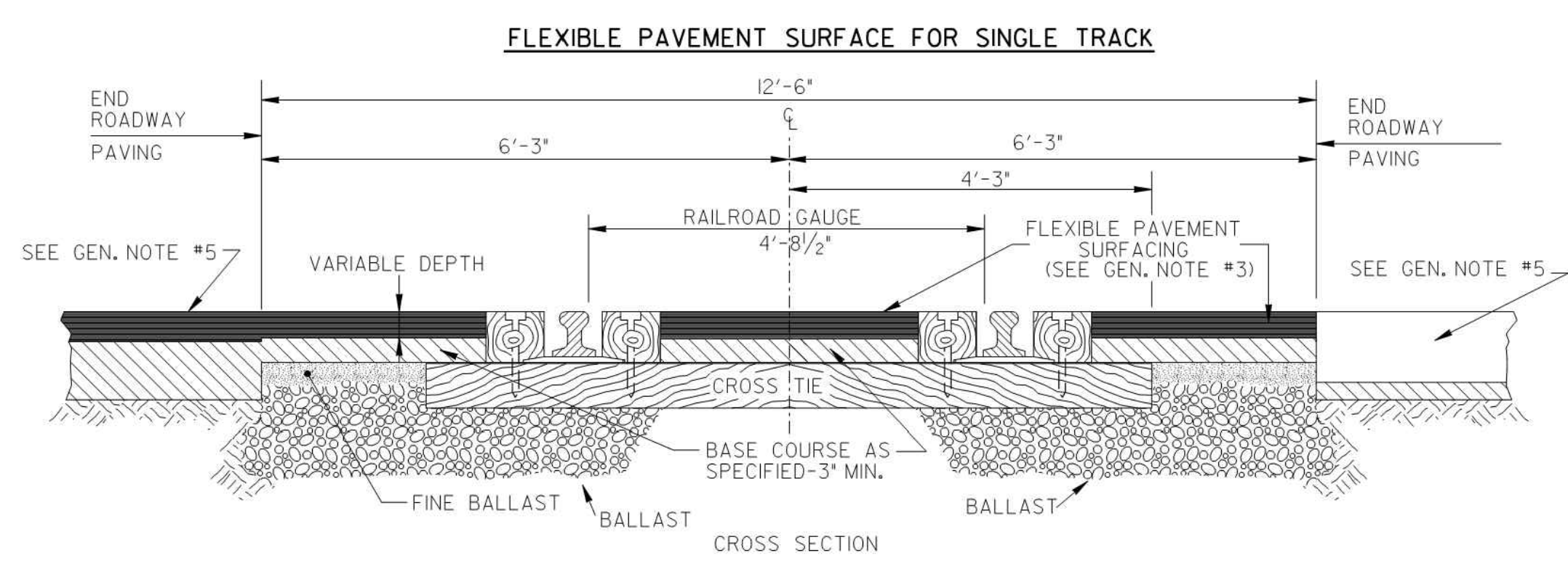
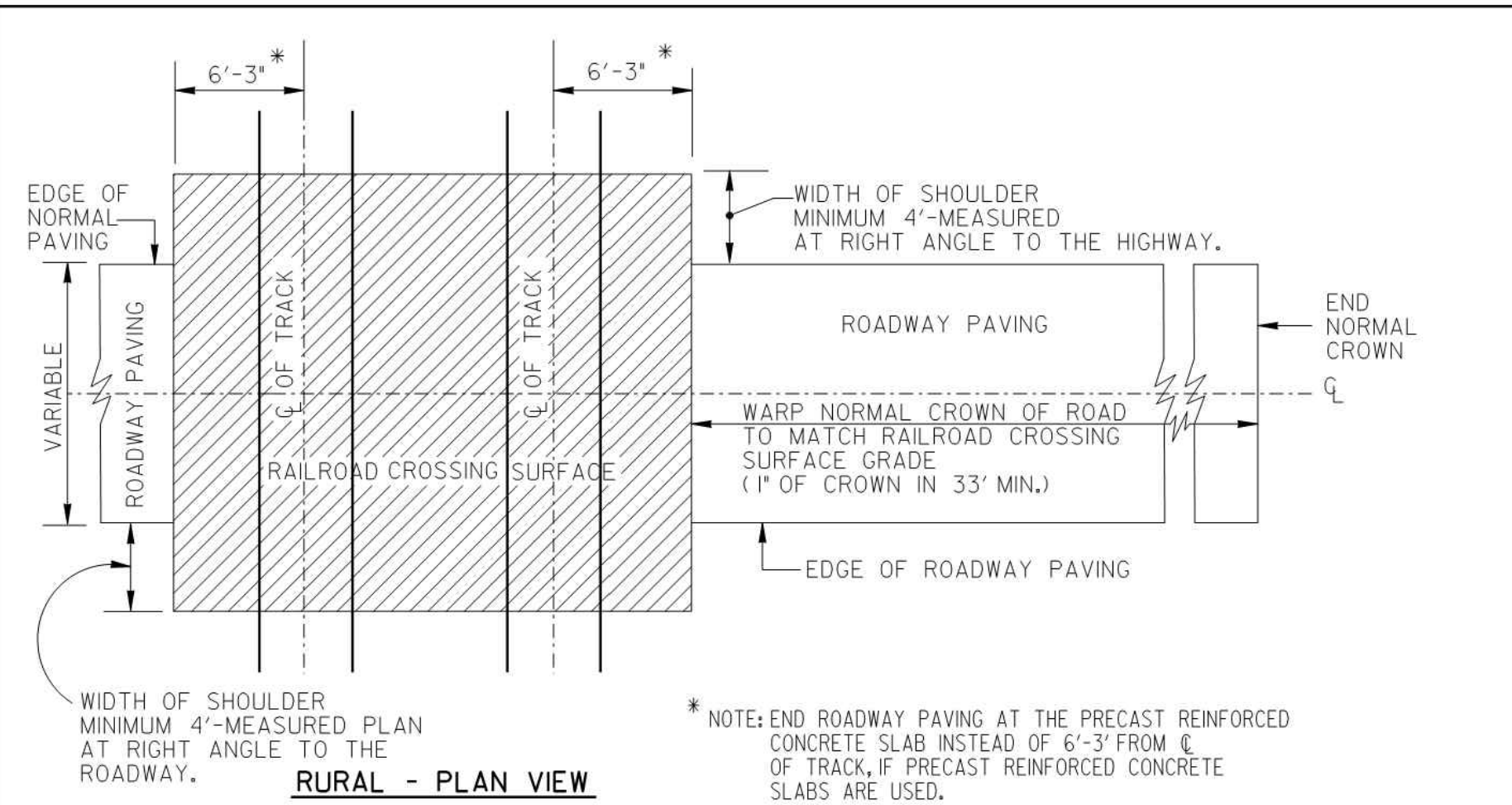
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

GENERAL NOTES:

- SPECIFICATIONS: GEORGIA STANDARDS, CURRENT EDITION & SUPPLEMENTS THERETO.
A) SEE SECTION 232 FOR GRADE CROSSING, PRECAST CONCRETE BID ITEM PAYMENT IF APPLICABLE.
B) SEE SECTION 232 FOR BOLTED CROSSING, INSTALLED BID ITEM PAYMENT IF APPLICABLE.
- THE RAILROAD IS TO BE NOTIFIED BEFORE ANY WORK IS DONE BY GA. D.O.T. MAINTENANCE FORCES OR GA. D.O.T. CONTRACTORS WITHIN 25' OF C.L. OF TRACK. A RAILROAD REPRESENTATIVE IS TO BE PRESENT TO SUPERVISE THE WORK BEING DONE.
- RAILROAD CROSSING SURFACE, BALLAST, TIES, RUNNING RAILS, GUARD TIMBERS AND FILLERS, (IF REQUIRED) FOR FLANGEWAY AND OUTSIDE OF RAIL, ARE TO BE FURNISHED AND PLACED BY RAILROAD WITH COSTS, ELIGIBLE FOR REIMBURSEMENT BEING BILLED TO THE STATE UNDER FORCE ACCOUNT AGREEMENTS, UNLESS OTHERWISE SPECIFIED.
- ONLY AT THE RAILROAD'S REQUEST, THE GA. D.O.T. CONTRACTOR TO FURNISH ALL WORK AND MATERIALS NECESSARY FOR CONSTRUCTING THE PAVING COURSES OF THE CROSSING. THE COST OF FLAGGING SERVICE REQUIRED BY THE RAILROADS FOR ANY CONSTRUCTION ACTIVITY AT GRADE CROSSINGS SHALL BE A COST TO THE CONTRACTOR. THIS COST SHALL BE BORNE BY THE CONTRACTOR, WHETHER THE FLAGGING SERVICE IS PERFORMED BY THE CONTRACTOR'S PERSONNEL OR, IF REQUIRED BY THE RAILROADS, TO BE DONE BY THE RAILROAD PERSONNEL.
- ONLY ONE SIDE OF THE ROADWAY PAVEMENT, ADJACENT TO THE RAILROAD CROSSING SURFACE, CAN BE RIGID. A MINIMUM OF 15' OF FLEXIBLE PAVEMENT IS REQUIRED ADJACENT TO THE OTHER SIDE OF THE RAILROAD CROSSING SURFACE.
- REFER TO AASHTO, *POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS*, FOR ADDITIONAL DESIGN GUIDANCE ON RAILROAD-HIGHWAY GRADE CROSSINGS (SECTION 9J2).

GENERAL SPECIFICATIONS FOR COMMERCIAL PRECAST REINFORCED CONCRETE SLAB FOR RAILWAY CROSSING

- THE PLACING OF PRECAST REINFORCED CONCRETE SLABS WILL BE PERMITTED WHERE APPROVED BY THE RAILROAD & THE STATE UTILITIES ENGINEER OR DESIGNEE.
 - SLABS TO BE OF THE TYPE THAT CAN BE ANCHORED TO TIES AND REMOVED.
 - IF SLABS ARE OVER MULTIPLE TRACKS, THE INTERTRACK SLABS ARE TO BE PLACED ON COMPACTED EARTH.
 - THE DEPTH OF THE SLABS SHALL BE SUCH THAT THE TOP SURFACE OF THE CROSSING WILL BE IN THE SAME PLANE AS THE TOP OF THE RAIL. SHIMS WILL BE USED IF REQUIRED.
 - ALL EXPOSED EDGES OF SLAB WILL BE ARMORED.
 - PROTECTION OF THE END SLABS AGAINST DRAGGING BRAKE RIGGING WILL BE PROVIDED.
 - IN GENERAL, THE DESIGN SLABS WILL BE IN ACCORDANCE WITH (AREMA) AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION SPECIFICATIONS.
 - THE TYPE OF COMMERCIAL PRECAST CONCRETE SELECTED BY THE CONTRACTOR MUST BE APPROVED BY THE RAILROAD & THE STATE UTILITIES ENGINEER OR DESIGNEE.
 - THE COMMERCIAL PRECAST CROSS SECTION IS A TYPICAL REPRESENTATION OF ONE TYPE OF MANUFACTURED SURFACE AND IS SHOWN FOR INFORMATION ONLY. DIMENSIONS MAY VARY WITH DIFFERENT DESIGNS.
- ALTERNATE:**
COMMERCIAL PREFABRICATED OR MANUFACTURED SECTIONS OTHER THAN REINFORCED CONCRETE SLABS MAY BE USED PROVIDED THE DESIGNS AND MATERIALS ARE APPROVED BY THE GA. D.O.T. AND BY THE RAILROAD, WITH THE ABOVE GENERAL SPECIFICATIONS APPLYING.



DATE		DEPARTMENT OF TRANSPORTATION	
REVISION		STATE OF GEORGIA	
STANDARD RAILROAD GRADE CROSSING PAVING (& SIGNAL CONDUIT LOCATIONS)			
NO SCALE		REV. & REDR. SEPT. 2016	
DES. (SUBMITTED)	BY	STATE DESIGN POLICY ENGINEER	NUMBER 9021A
TRA. (APPROVED)	BY	CHIEF ENGINEER	
CHK.			

10/12/2019	100% SUBMITTAL	MARK	APPR.	DATE	DESCRIPTION
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CITY OF CLARKSTON
SPLOST 4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK

POND
3000 Parkway Lane
30096 SUITE 500
Phone 678.338.7740
Fax 678.338.7744


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

PONCE/CHURCH SIDEWALKS

GEORGIA STANDARDS


SHEET IDENTIFICATION NUMBER
41-005

100% DRAWINGS

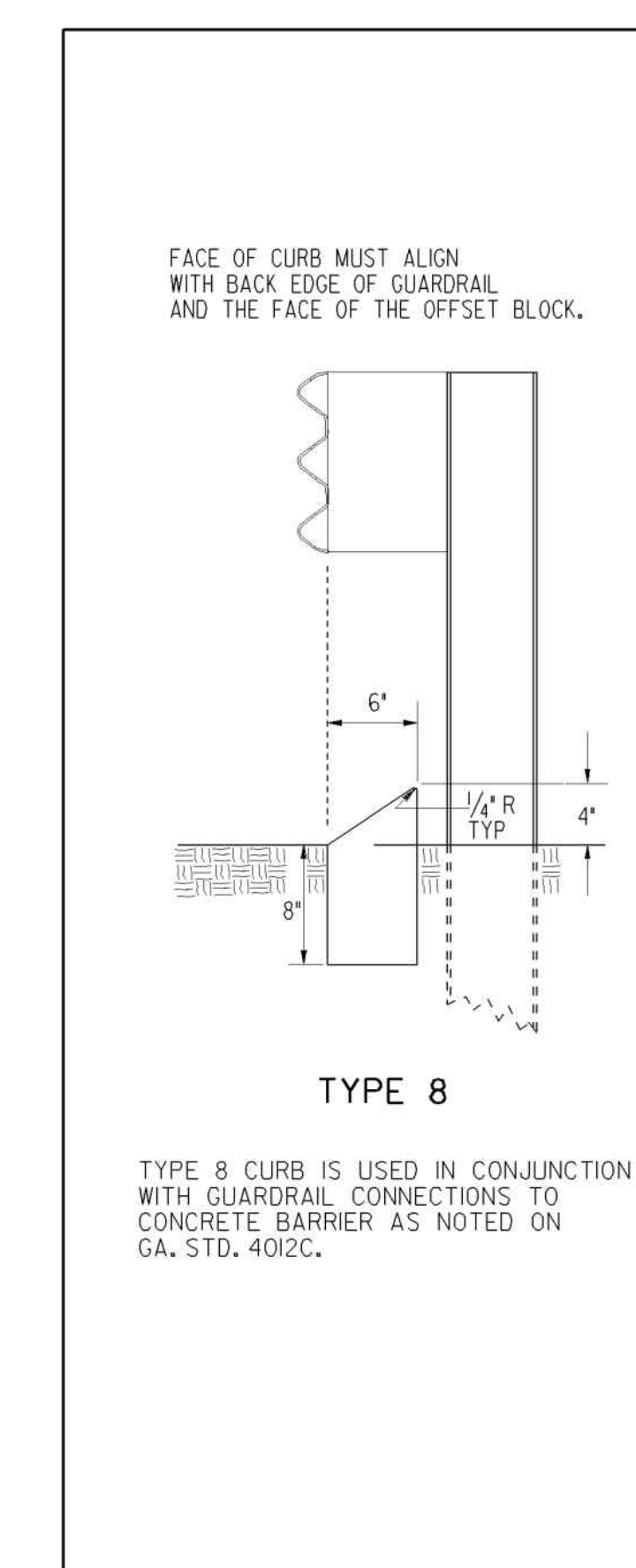

 where possibilities grow

SEAL
 100% SUBMITTAL
 10/12/2019
 DATE
 APPR.
 MARK
 DESCRIPTION

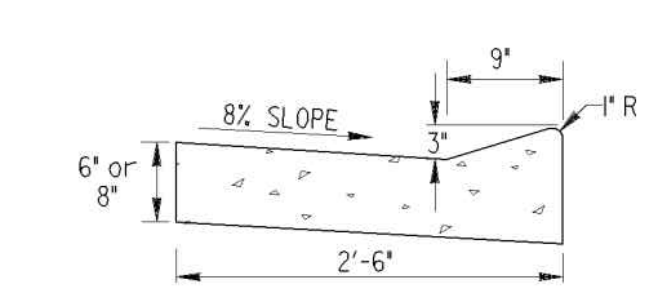
DESIGNED BY: RBJ
 DATE: 2/22/2019
 SOLICITATION NO.:
 CONTRACT NO.:
 FILE NUMBER:
 PLOT DATE: 02/26/2019
 DWN BY: CND
 SPT: TN
 SUBMITTED BY:
 FILE NAME: 40-001.dwg
 SIZE: 22" x 34"
 PLOT SCALE: 1" = 1'

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

 3000 Parkway Lane
 Clarkston, GA 30006
 Phone 678.387.7740
 Fax 678.387.7744
 POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
 GEORGIA STANDARDS
 SHEET IDENTIFICATION NUMBER
 41-006



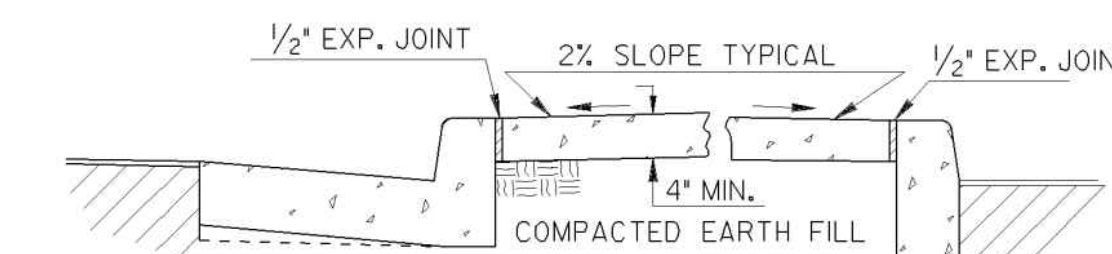
RAISED EDGE WITH CONCRETE GUTTER



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)

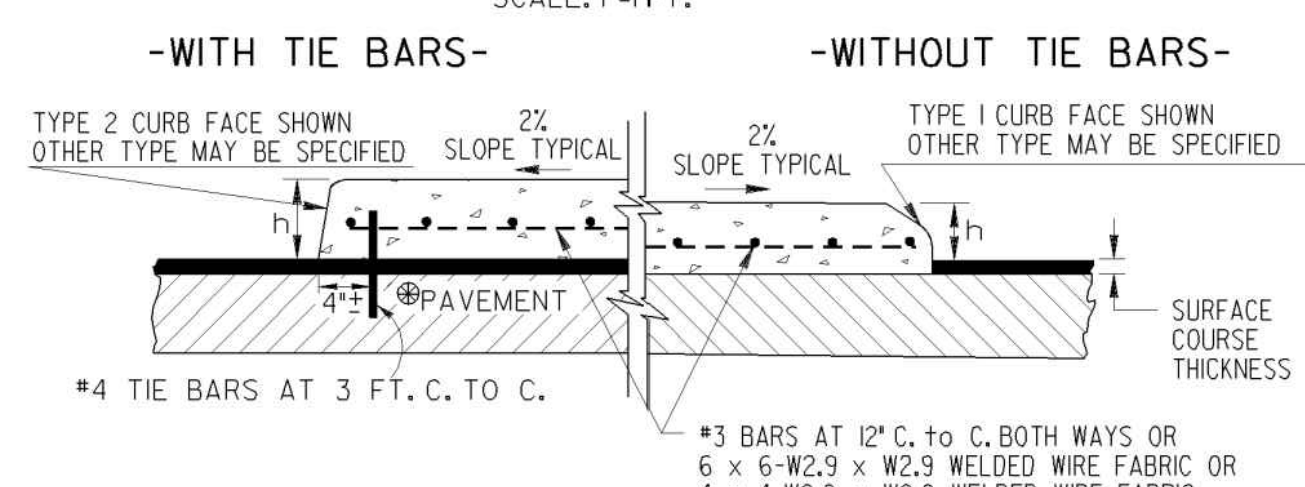
NOTE: CURB TYPES SHOWN ARE TYPICAL. OTHER TYPES MAY BE SPECIFIED.



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

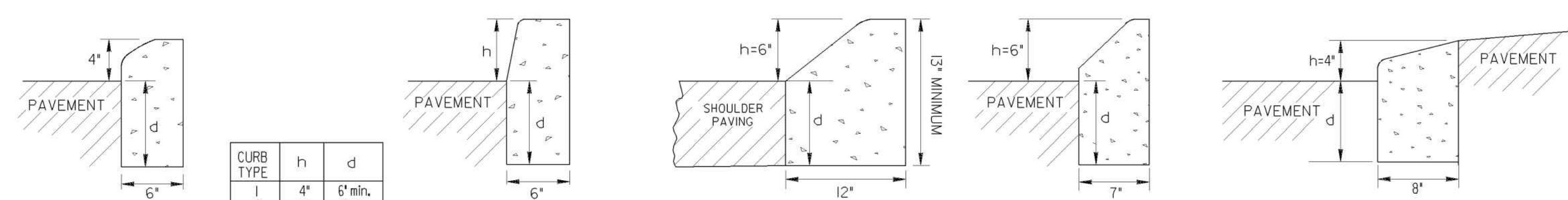
CONCRETE MEDIANS (Integral)

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



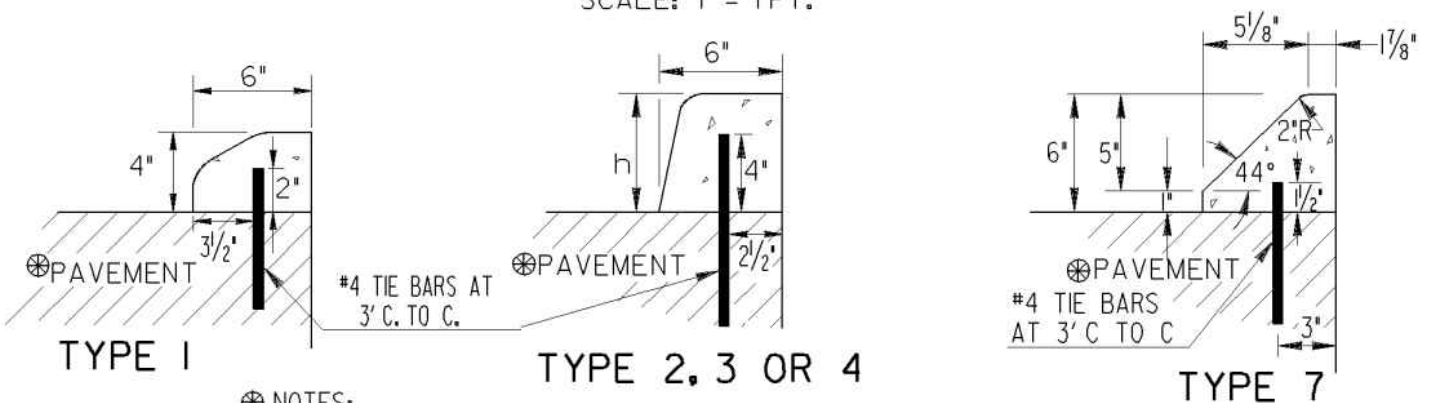
CURB TYPE	h	d
1	4"	6" min.
2	6"	8" min.
3	8"	10" min.
4	10"	12" min.
6	6"	7" min.
7	6"	8" min.
9	4"	8" min.

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.



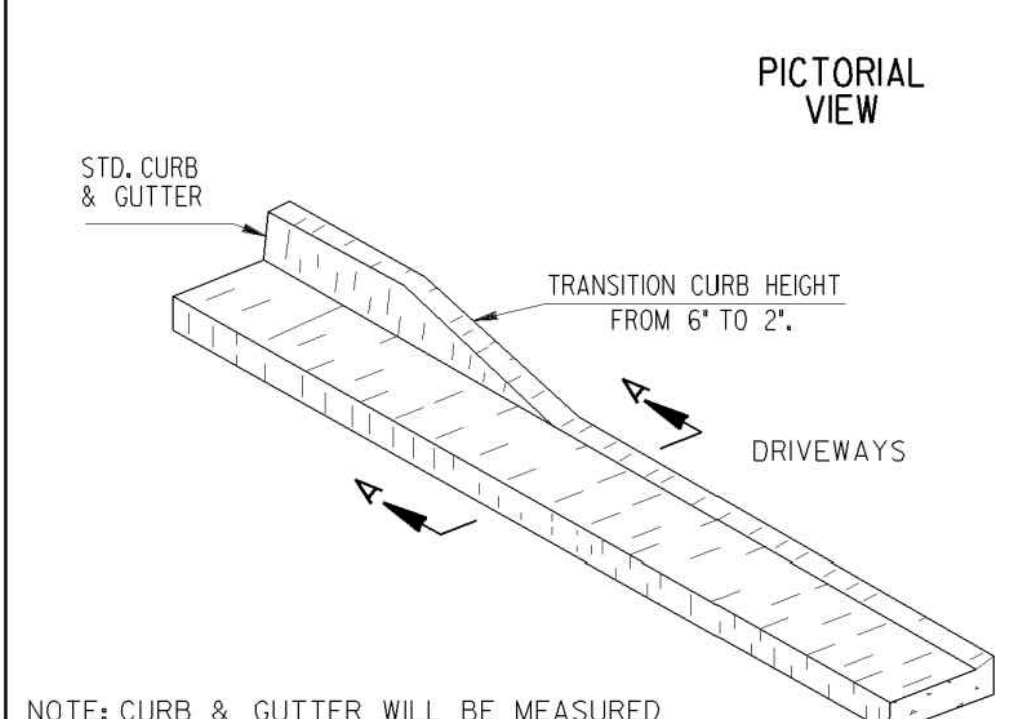
- NOTES:
- CONCRETE CURB CAN BE INSTALLED AFTER INITIAL SET AS LONG AS TIE BARS ARE DRILLED INTO UNDERLYING CONCRETE PAVEMENT.
 - CONCRETE CURB CAN BE INSTALLED BEFORE INITIAL SET WITH DOWELS THAT ARE DRIVEN INTO UNDERLYING CONCRETE PAVEMENT.
 - JOINTS IN CURB AND CONCRETE MEDIAN WILL MATCH THOSE IN 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.

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

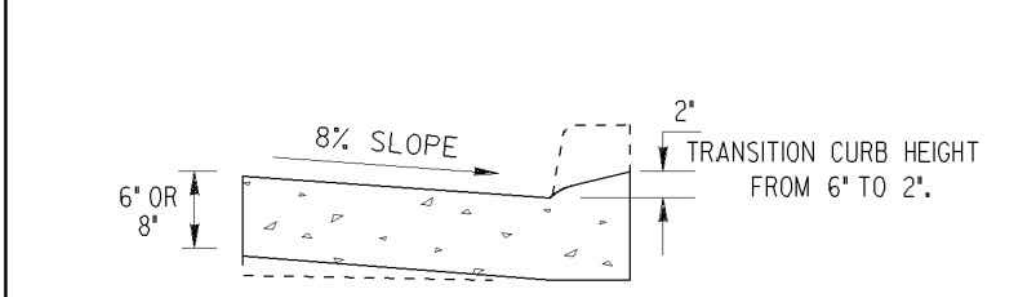
NOTE: TIE BARS FOR DOWELED CURBS MAY BE UNCOATED PLAIN OR DEFORMED BILLET-STEEL BARS (GRADE 40) AS USED FOR CONCRETE REINFORCEMENT. (AASHTO M-31)

DETAILS OF RECESSED CURB FOR DRIVEWAYS

NO SCALE

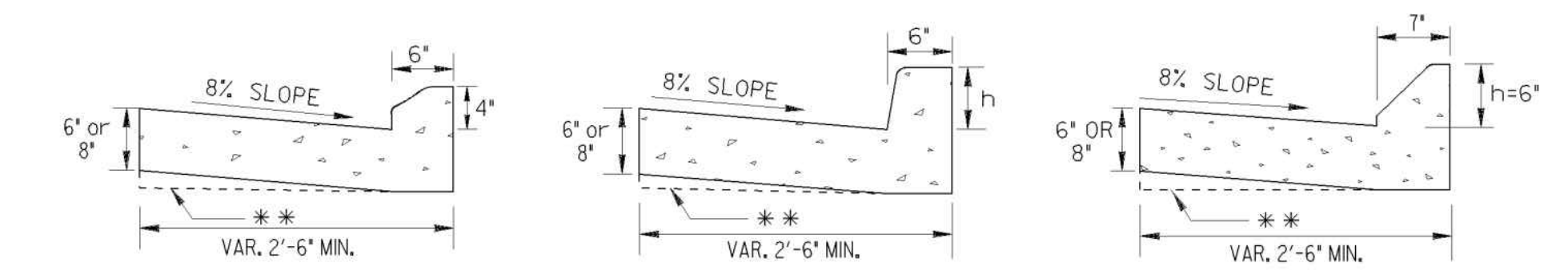


NOTE: CURB & GUTTER WILL BE MEASURED FOR PAYMENT THRU THE DRIVE



(SEE SEPARATE CONSTRUCTION DETAILS FOR DRIVEWAYS)

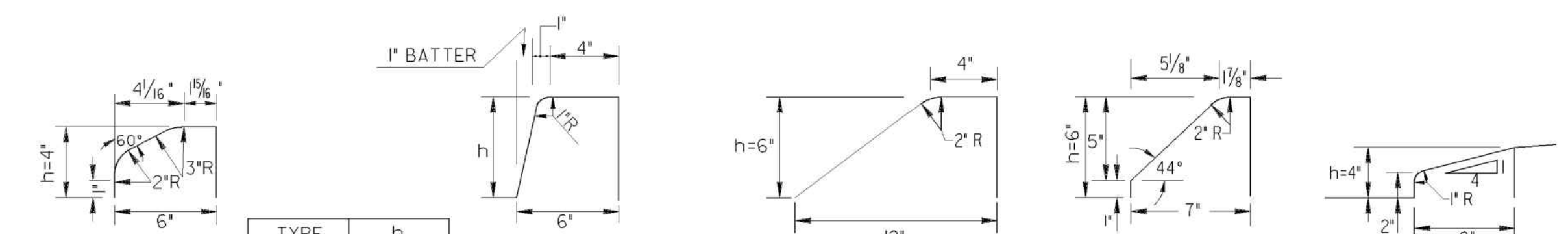
CONCRETE CURB & GUTTER



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.

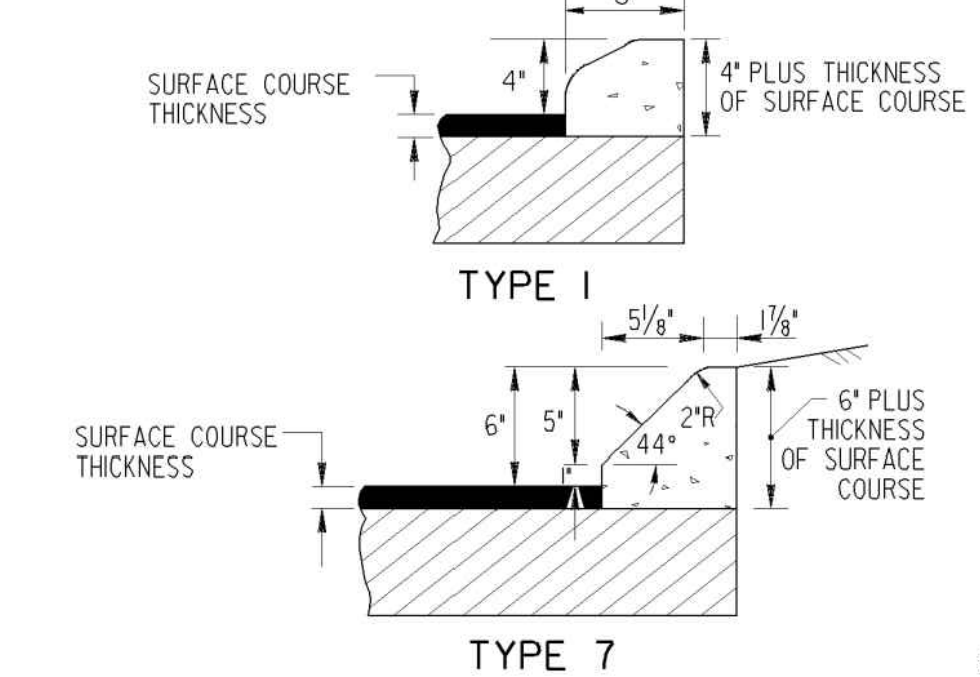
CURB FACE DESIGN



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	DATE	BY	CHK.
1	TC	11-15-11		
2	GLO	1-27-11		
3		3-03		

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CONCRETE CURB & GUTTER
CONCRETE CURBS, CONCRETE MEDIANS

SCALE: AS SHOWN REVISED AND REDRAWN OCT. 2011

DES. (SUBMITTED) *[Signature]*
 DRW. STATE DESIGN POLICY ENGINEER
 TRAL. (APPROVED) *[Signature]*
 CHK. CHIEF ENGINEER

NUMBER
9032B

FILE PATH: \\SWITCHBLADE\PROJECTS\FY19119015404\CAD_BIM\04_02_CAD\CHURCH & PONCE\40-001.DWG PLOTTED BY: THOMPSON, SYDNEY

EROSION SEDIMENTATION & POLLUTION CONTROL PLANS

ENGINEER CERTIFICATION STATEMENTS:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

GSWCC LEVEL II DESIGN PROFESSIONAL DATE CERTIFICATION #: 2488

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS." SIGNED BY PRIMARY PERMITTEE:

NAME COMPANY ADDRESS DATE

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

DATE OF INSPECTION: _____

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

GSWCC LEVEL 2 DESIGN PROFESSIONAL CERTIFICATION #

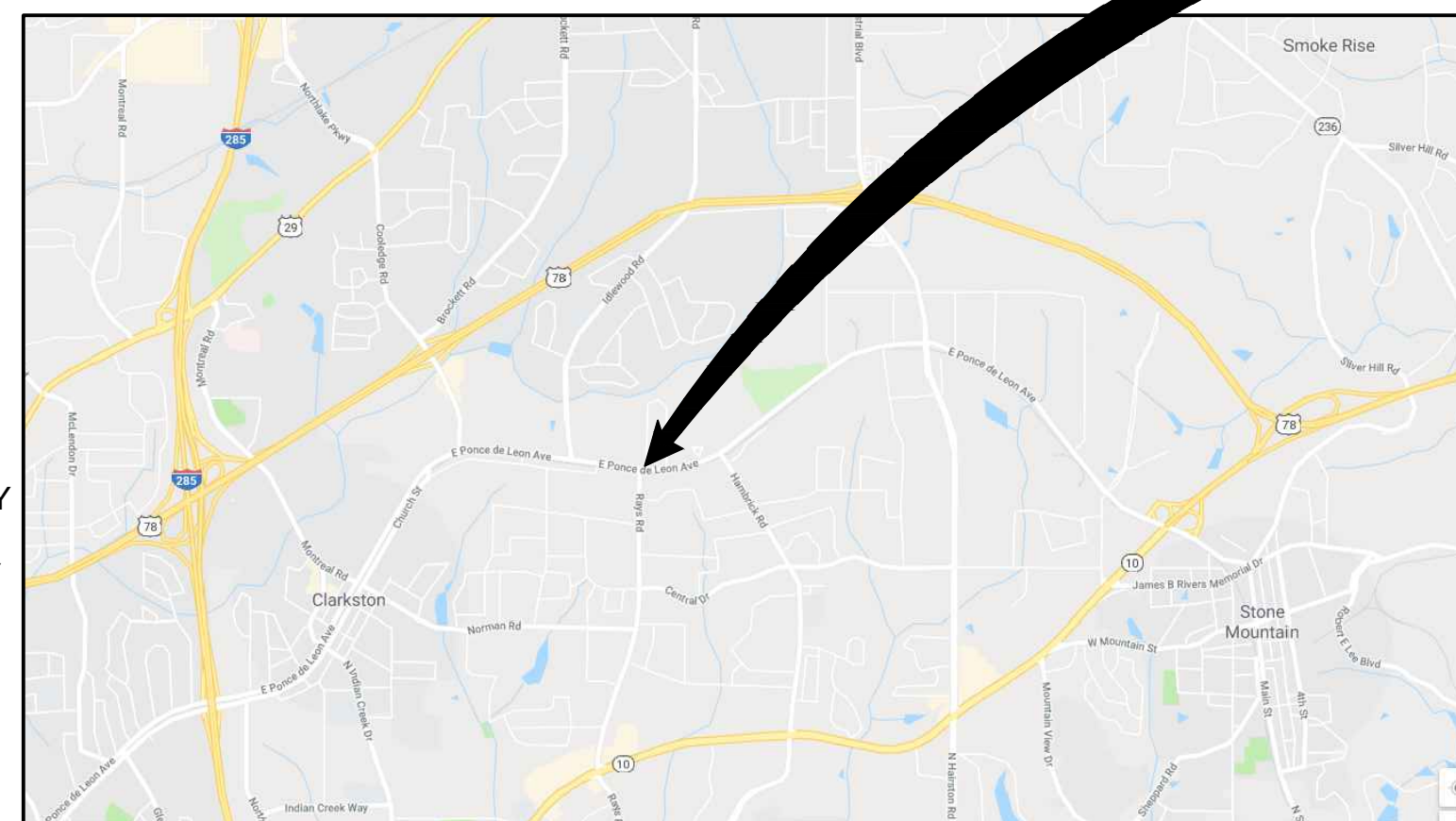
LAND DISTURBANCE CONSTRUCTION ACTIVITY SEQUENCE

THE FOLLOWING SEQUENCES ARE TO BE IMPLEMENTED IN THE ORDER SHOWN UNLESS INCLEMENT WEATHER, SITE CONDITIONS, REVISIONS, PRE-CONSTRUCTION CONFERENCE, ETC, DICTATES A DEVIATION FROM THIS SCHEDULE. IF A DEVIATION IS UNDERTAKEN OR ANTICIPATED, THE ENGINEER SHALL BE NOTIFIED AND THE CHANGE OF SEQUENCE SHALL BE RECORDED IN THE DAILY LOG.



* SEDIMENT AND EROSION CONTROL MEASURES TO BE INSPECTED DAILY, WEEKLY, AND MONTHLY IN ACCORDANCE WITH GAR100001. MAINTAIN BMP'S THROUGHOUT LAND DISTURBANCE ACTIVITY.

DATE: 2/21/2019
CLARKSTON PROJECT
E PONCE DE LEON AVE. PEDESTRIAN IMPROVEMENTS
CLARKSTON , ATLANTA, GA 30021



VICINITY MAP
NTS

PRIMARY PERMITTEE:

NAME: TBD
 ADDRESS: ?????????
 ?????????, GA XXXXX
 PHONE #: XXXXXXXXXX

24 HOUR EROSION CONTROL CONTACT:

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

SITE DATA:

TOTAL SITE = 1.34 ACRES
 LIMIT OF LAND DISTURBANCE = 1.34 ACRES
 DISTRICT: 18TH DISTRICT, GA
 LAND LOT: 119 120 8 142

GENERAL CONSTRUCTION SCHEDULE

BEGIN CONSTRUCTION MARCH, 2018	WEEK 1	WEEKS 2-14	WEEK 15
PHASE 1			
PHASE 2			
PHASE 3			

APPROX START DATE: ?????? 1, 2019, APPROX. COMPLETION DATE: JANUARY 30, 2019

STANDARD EROSION CONTROL NOTES:

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

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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

ANY DISTURBED AREA LEFT IDLE FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING; DISTURBED AREAS IDLE 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

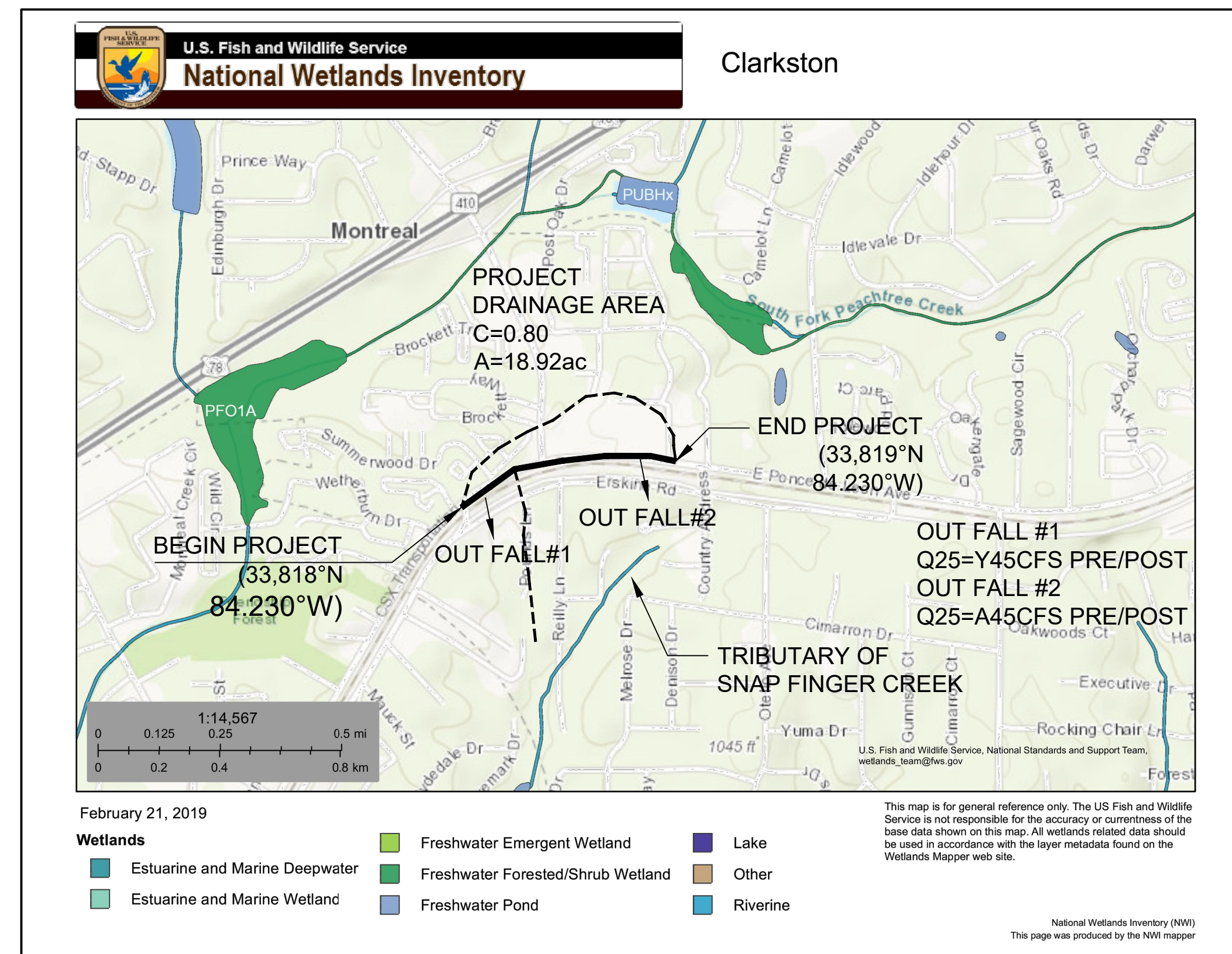
EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

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

SILT FENCE SHALL BE TYPE S, AND MEET THE REQUIREMENTS OF THE MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION.

A HAUL ROUTE PERMIT IS REQUIRED AS THERE IS MORE THAN 500 CUBIC YARDS OF HAULED VOLUME TO OR FROM THE SITE.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A 404 PERMIT.



GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
Douglas Munnell
 Level II Certified Design Professional
 CERTIFICATION NUMBER: 2488
 ISSUED: ??/??/2019 EXPIRES: 12/15/2019



MARK	DESCRIPTION	DATE	APPR.
A	100% SUBMITTAL	1/31/2019	

DESIGNED BY: JRM	DATE: 1/22/2019	CONTRACT NO.: 7385-E	FILE NUMBER:	PLOT DATE:
DWN BY: JIC	COO BY: SM	SUBMITTED BY:	FILE NAME:	PLOT SCALE:
SPT			3500 Parkway Lane	12" x 34"
			Clarkston, GA 30021	AS SHOWN
			Phone: 770.338.7740	
			Fax: 770.338.7744	

CITY OF CLARKSTON
 SPLOST 4 PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK
POND
 POND PROJECT No. 1190154

PONCE/CHURCH SIDEWALKS
 EROSION SEDIMENTATION & POLLUTION CONTROL
COVER SHEET

SHEET IDENTIFICATION NUMBER
51-002

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 ATLANTA 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, SEWER/WATER 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 ½ 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 ½ 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)/303(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)/303(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	
Douglas Munnell			
Level II Certified Design Professional			
CERTIFICATION NUMBER		2488	
ISSUED: ??/??/2019		EXPIRES: 12/15/2019	



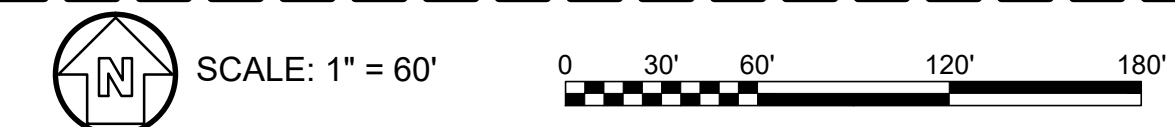
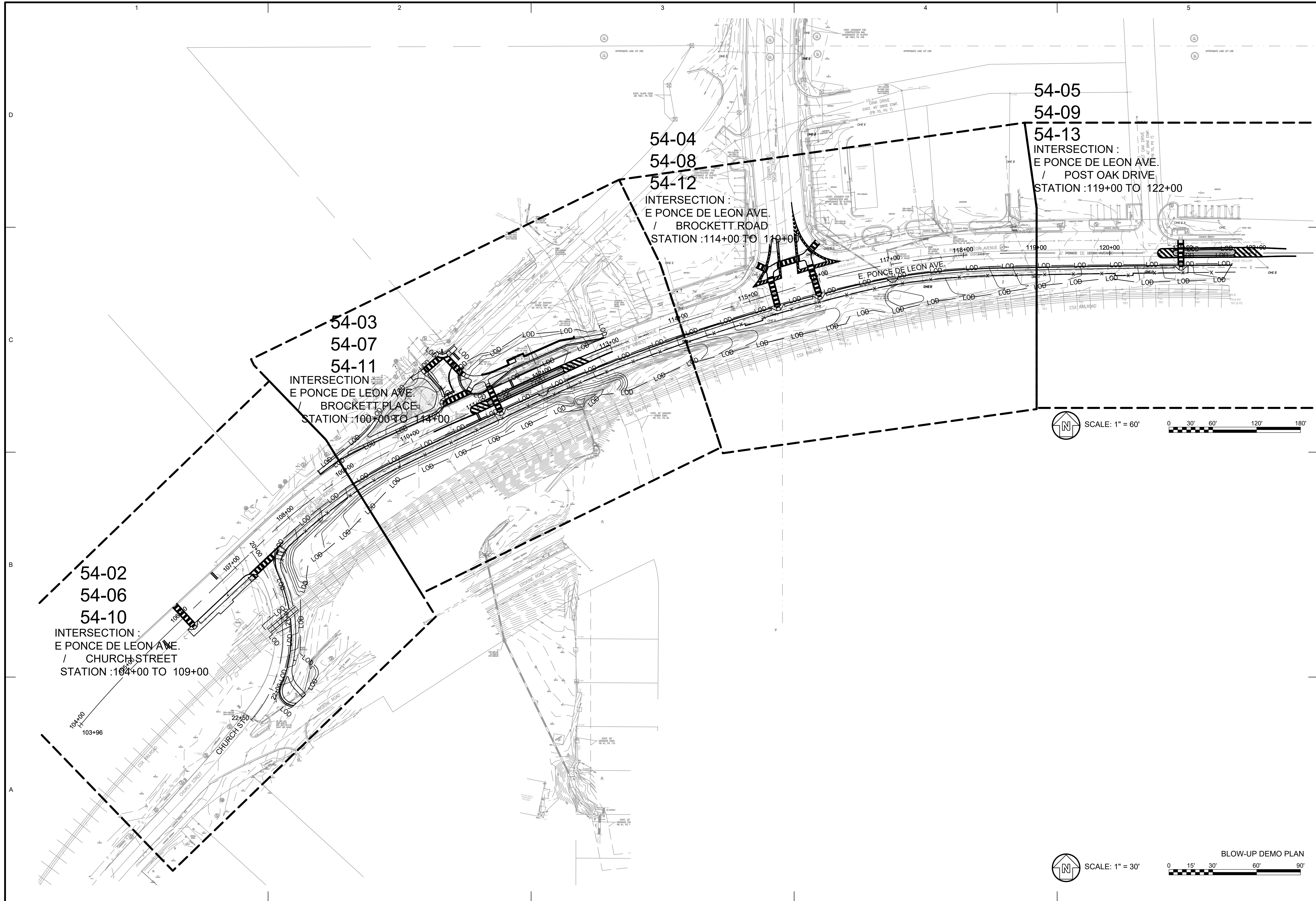
SEAL	
100% SUBMITTAL	DATE
A	APPR.
10/12/2019	MARK
DESCRIPTION	MARK

DESIGNED BY: DM	DATE: 11/22/2019	SOLICITATION NO.:	FILE NUMBER:
DWN BY: JC	LOAD BY: SM	CONTRACT NO.: 7983-E	PLOT DATE:
SPT			
SUBMITTED BY:	FILE NAME:	FILE NUMBER:	PLOT SCALE:
			AS SHOWN
	SIZE:	22" x 34"	
POND			
CITY OF CLARKSTON SPLOST 4-PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK			
3600 Parkway Lane Peachtree Corners, GA 30096, 516.599.9240 POND PROJECT No. 1190154 Fax 678.336.7744			

PONCE/CHURCH SIDEWALKS	EROSION, SEDIMENTATION, & POLLUTION CONTROL	NPDES NOTE SHEET
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SHEET IDENTIFICATION NUMBER
51-003

FILE PATH: O:\CLARKSTON7 - CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\TECF-EC PHASE 1_1-22-2019.DWG PLOTTED BY: JSANCHEZ



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: DM	DATE: 1-22-2019
DWN BY: JC	CONTRACT NO.: 7383-E
SUBMITTED BY:	FILE NUMBER:
FILE NAME:	PLOT DATE:
SIZE: 22" x 34"	PLOT SCALE: AS SHOWN

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

POND
 3500 Parkway Lane, GA
 30052, SUITE 500
 Phone: 678.338.7740
 Fax: 678.338.7744

POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
 EROSION SEDIMENTATION & POLLUTION CONTROL

OVERALL PLAN

SHEET IDENTIFICATION NUMBER
54-001

FILE PATH: C:\CLARKSTON7.CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\ECF-EC PHASE 1_1-22-2019.DWG PLOTTED BY: JSANCHEZ



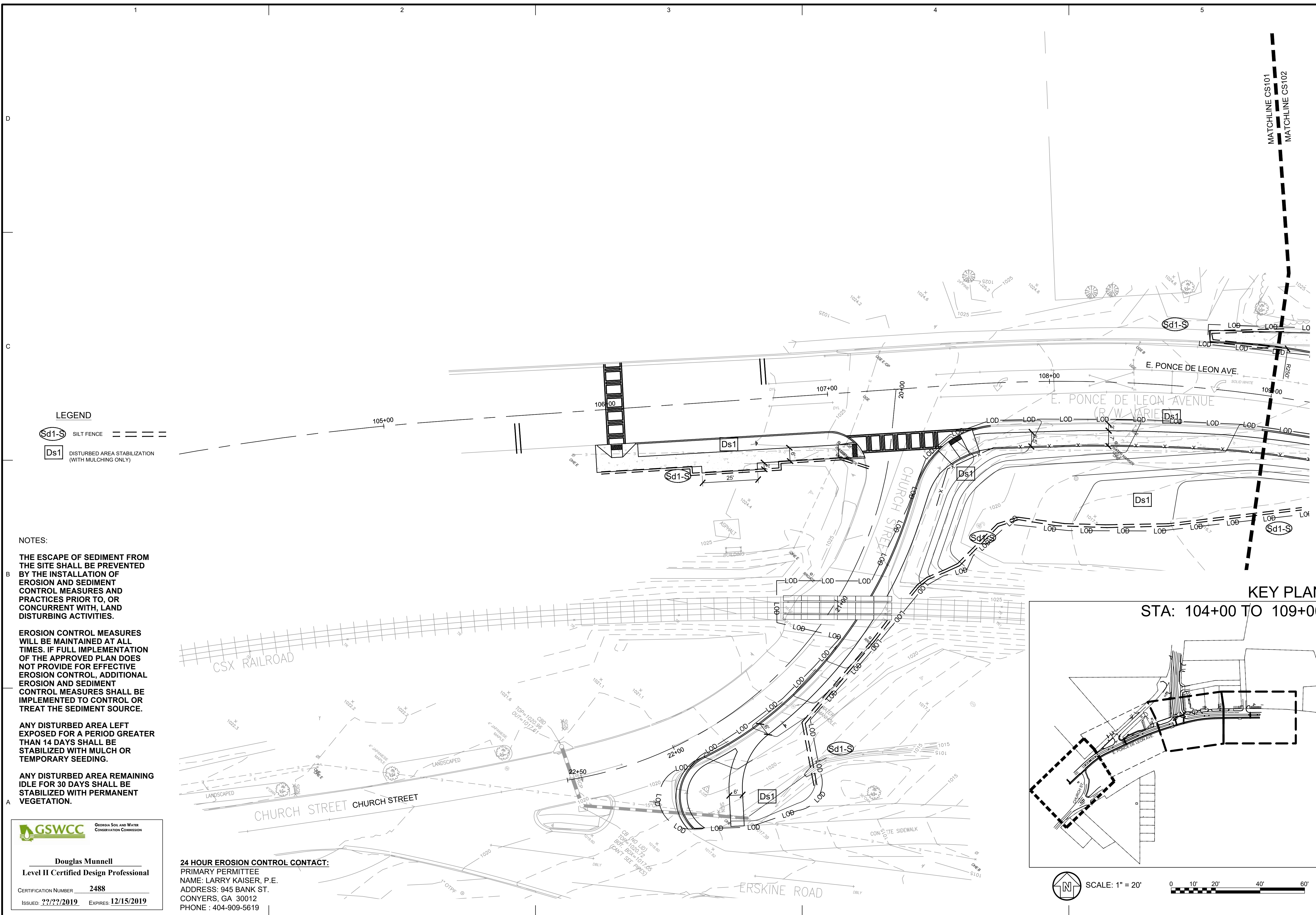
MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: DM	DATE: 1-22-2019	DESIGNATION NO.:	CONTRACT NO.:
DWN BY: JC	CHK BY: SM	SOLICITATION NO.:	7383-E
SUBMITTED BY:	FILE NAME:	FILE NUMBER:	
SIZE:	PLOT SCALE:	PLOT DATE:	
22" x 34"	AS SHOWN		

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION
POND
 3000 Parkway Lane, GA
 30052, SUITE 500
 Phone: 678.336.7740
 Fax: 678.336.7744
 POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
 EROSION SEDIMENTATION & POLLUTION CONTROL
PHASE 1

SHEET IDENTIFICATION NUMBER
54-002



LEGEND

Sd1-S	SILT FENCE	=====
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	-----

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.

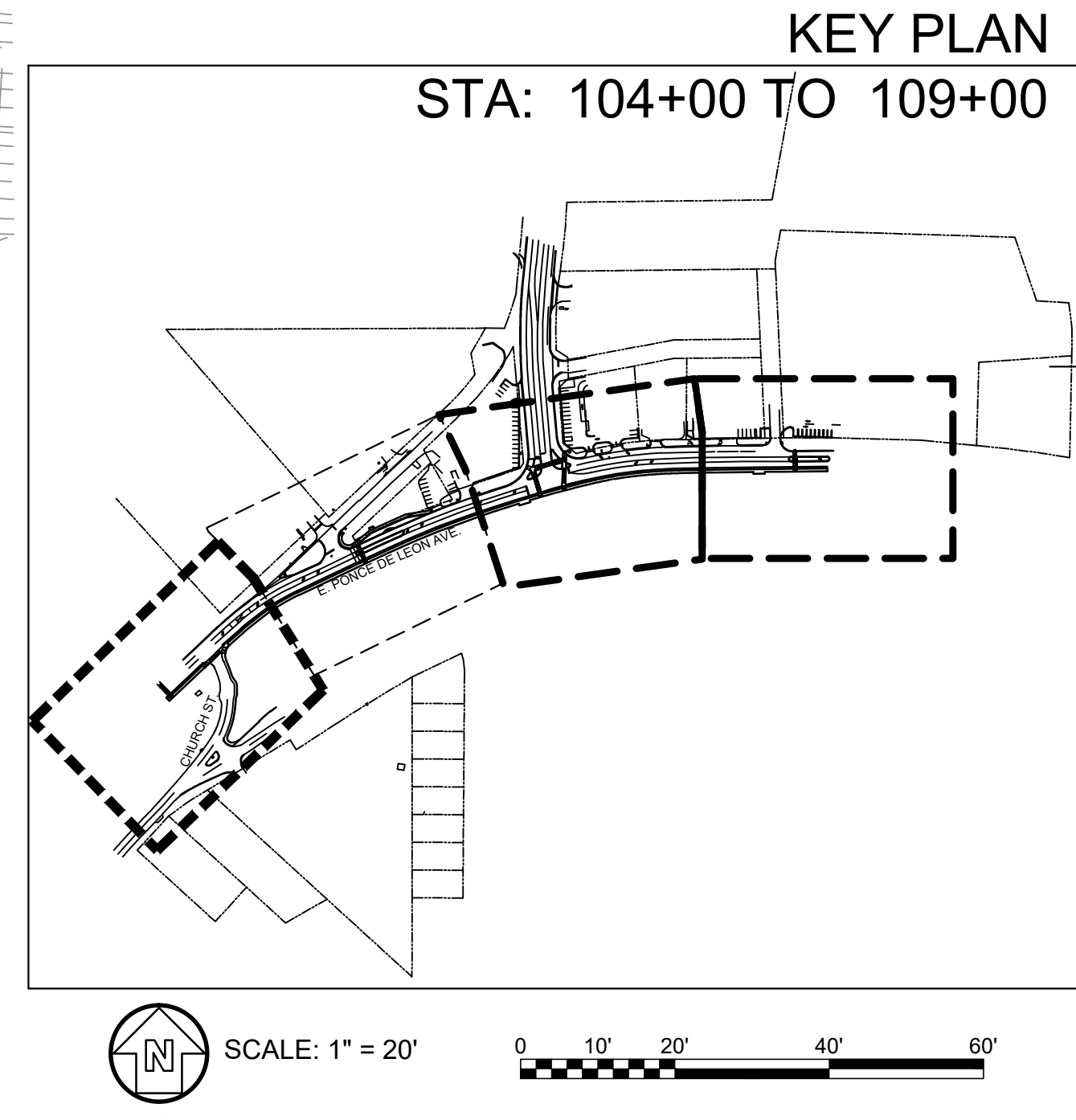
ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

GSWCC Georgia Soil and Water Conservation Commission

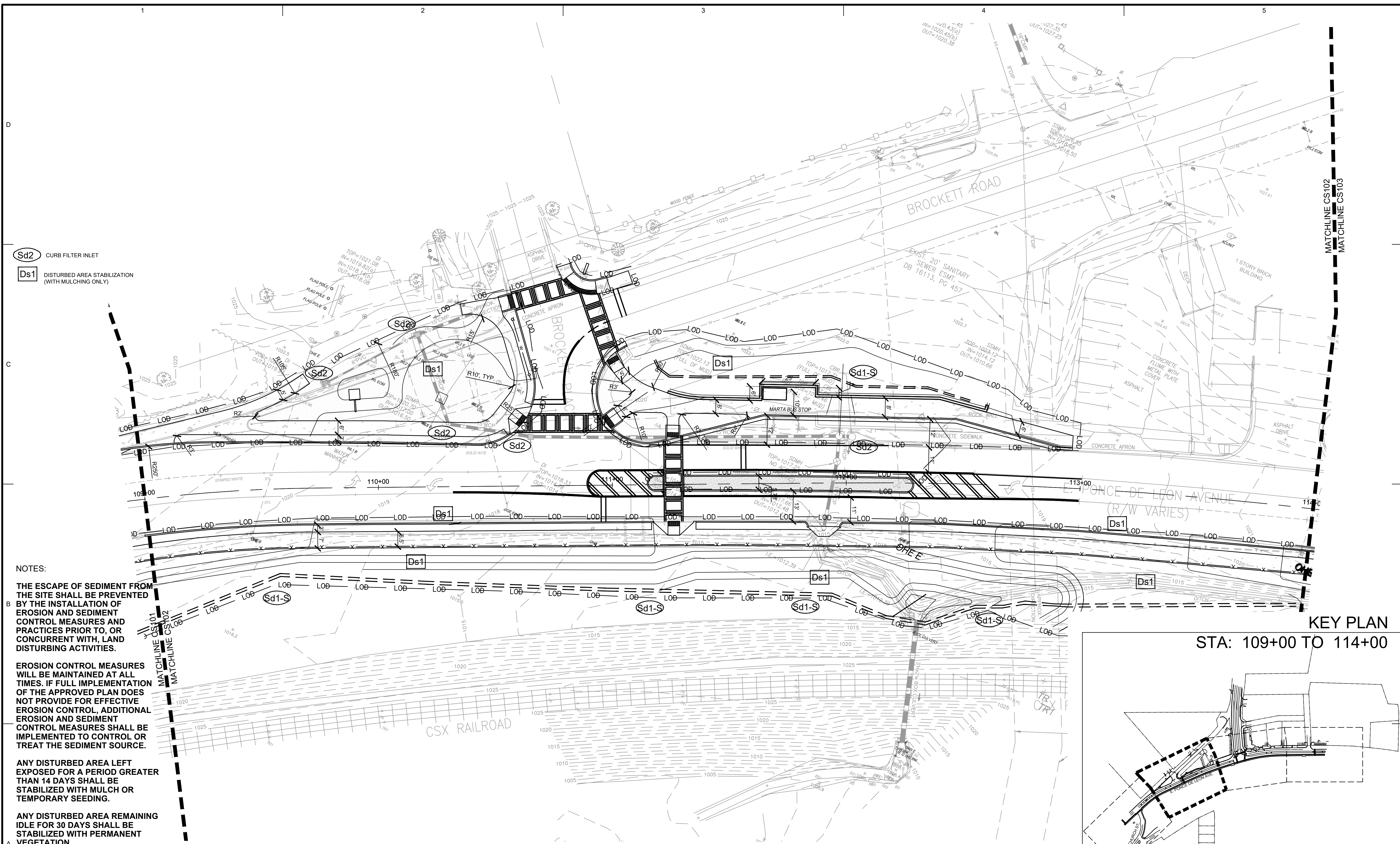
Douglas Munnell
 Level II Certified Design Professional

CERTIFICATION NUMBER: 2488
 ISSUED: 12/15/2019 EXPIRES: 12/15/2019

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



FILE PATH: C:\CLARKSTON\7. CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SETTECF-EC PHASE 1_1-22-2019.DWG PLOTTED BY: JSANCHEZ



Sd2 CURB FILTER INLET
Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

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.

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

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

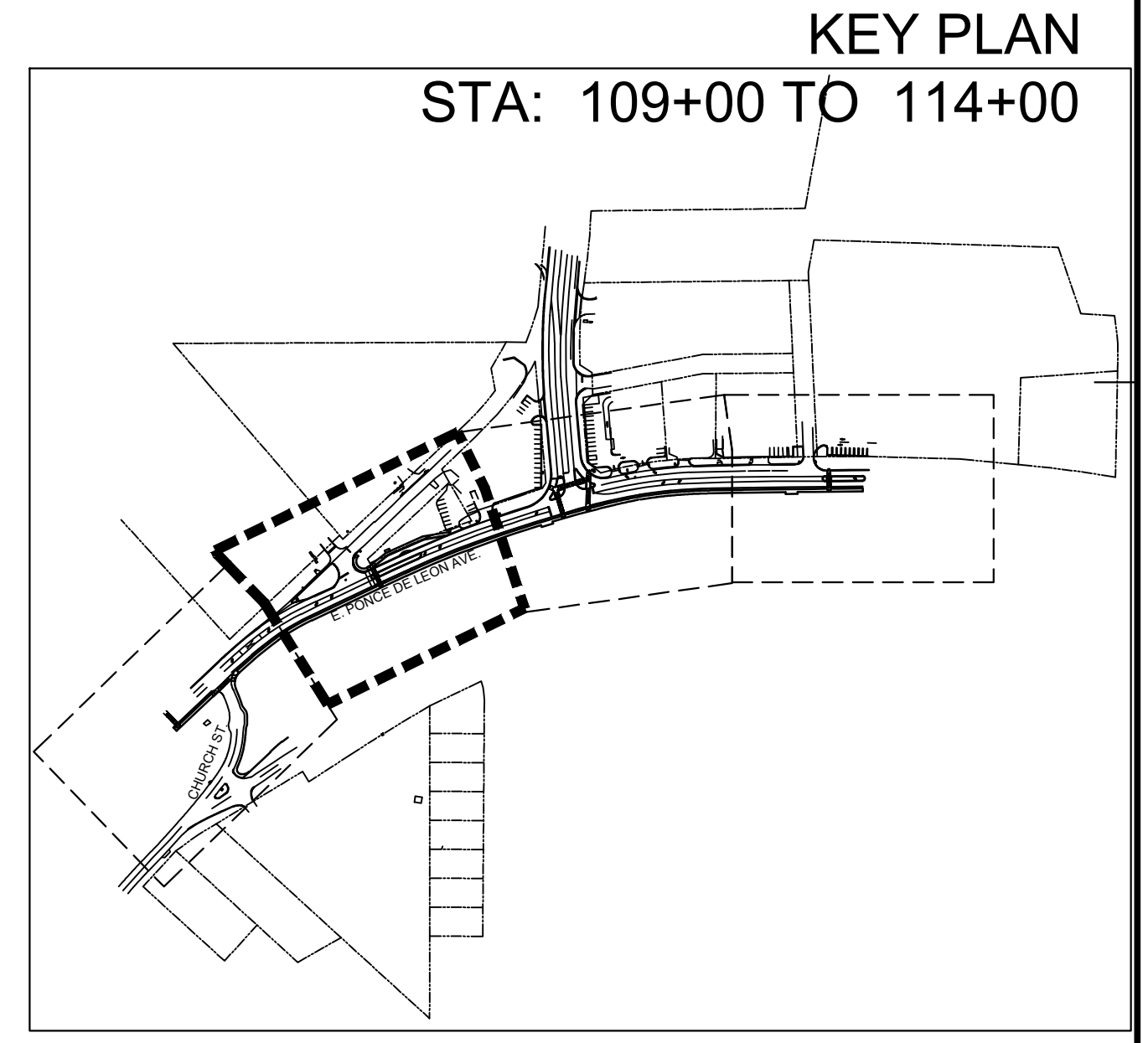
Douglas Munnell
 Level II Certified Design Professional

CERTIFICATION NUMBER 2488
 ISSUED 2/22/2019 EXPIRES 12/15/2019

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

GENERAL SHEET NOTES

- REFER TO CS100 NOTES FOR COMMENTS THAT APPLY THRU THE REST OF THE CS SERIES
- WHERE PROPOSED GRANITE CURB IS INDICATED, ASSUMED DEMO AND REPLACEMENT OF OLD GRANITE CURB WITH NEW.



SCALE: 1" = 20'

CITY OF CLARKSTON
 where possibilities grow

SEAL

9/13/2018	12/6/2018				
A	50% PLAN SUBMITTAL				
B	75% PLAN SUBMITTAL				
		MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: DM
 DWN BY: JC
 SUBMITTED BY: JC
 FILE NAME: POND
 SIZE: 22' x 34'

DP#2-2019
 SOLICITATION NO.: CONTRACT NO. 7383-E
 FILE NUMBER: PLOT SHOWN PLOT DATE

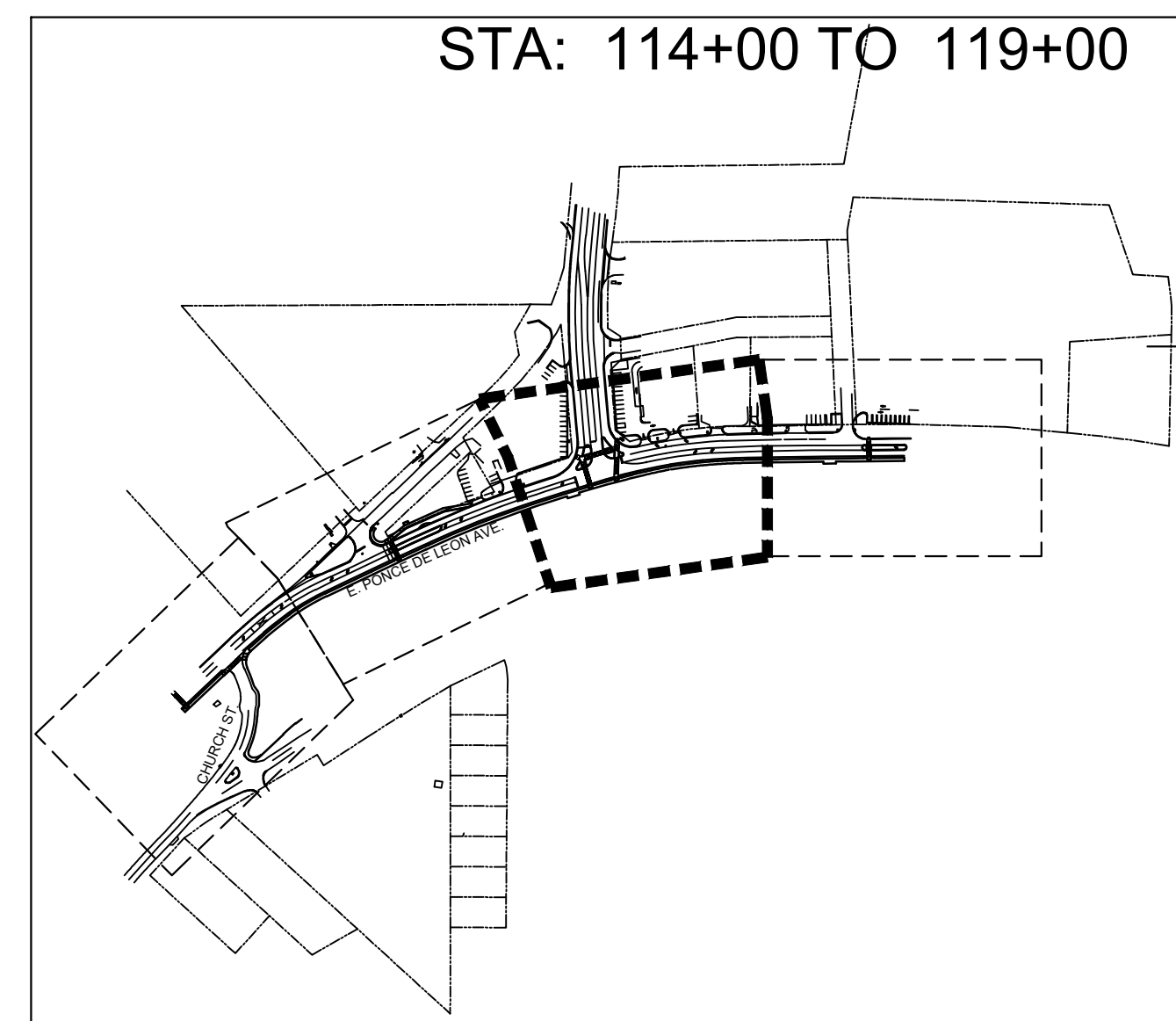
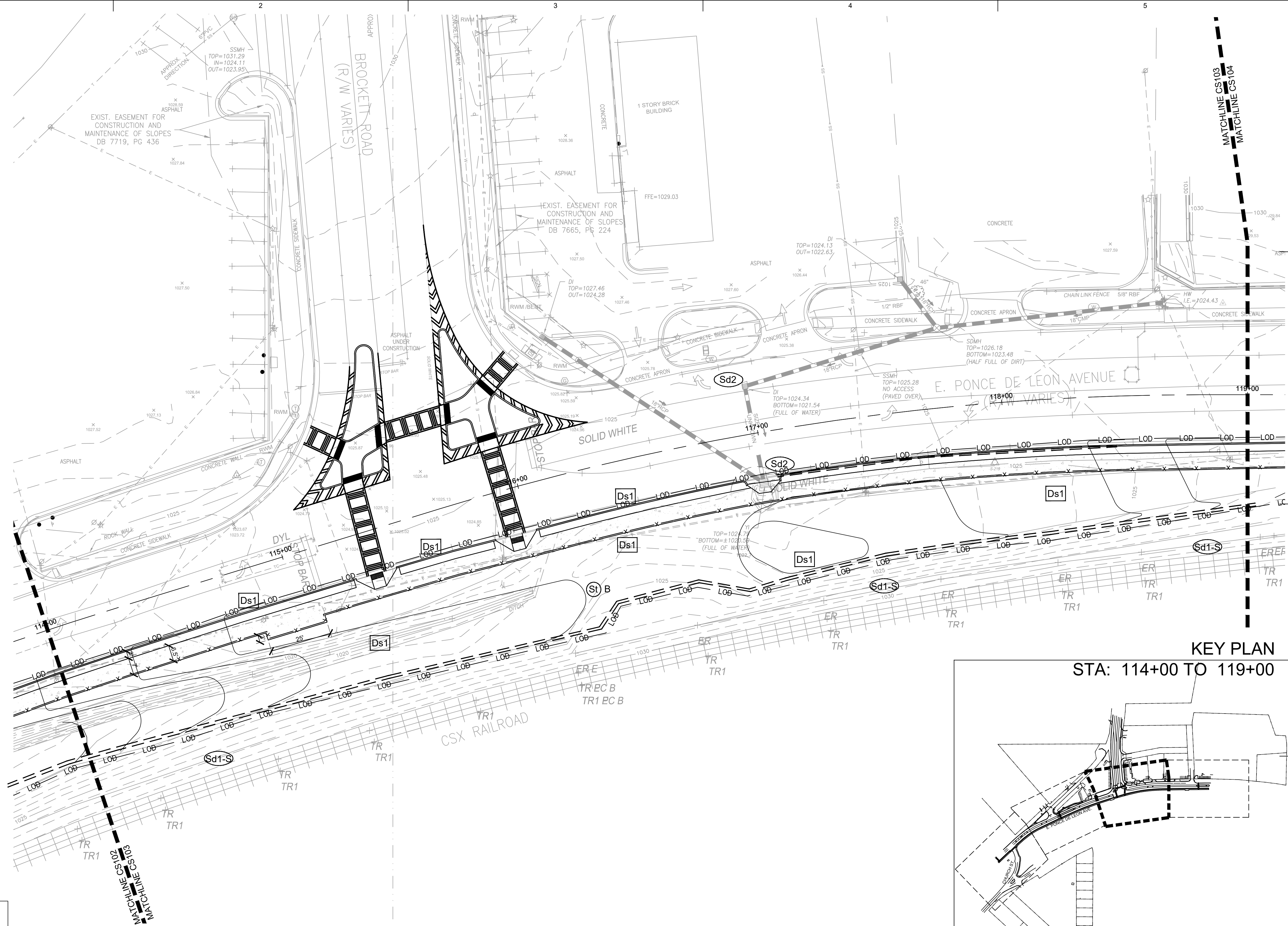
CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

POND
 3500 Parkway Lane, GA
 30052, SUITE 500
 Phone: 678.358.7740
 POND PROJECT No. 1180426, Fax: 678.358.7744

PHASE 1
 EROSION SEDIMENTATION & POLLUTION CONTROL

SHEET IDENTIFICATION NUMBER
54-003

FILE PATH: C:\CLARKSTON\7 CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\ECF-EC PHASE 1_1-22-2019.DWG PLOTTED BY: JSANCHEZ



GENERAL SHEET NOTES

1. REFER TO CS100 NOTES FOR COMMENTS THAT APPLY THRU THE REST OF THE CS SERIES



LEGEND

	SILT FENCE
	CURB FILTER INLET
	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
	STORM DRAIN OUTLET PROTECTION

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.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Douglas Munnell
Level II Certified Design Professional

CERTIFICATION NUMBER: 2488
ISSUED: 2/2/2019 EXPIRES: 12/15/2019

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
where possibilities grow

SEAL

DESIGNED BY: JSM	DATE: 9/13/2018
DRAWN BY: JCS	DATE: 12/6/2018
SUBMITTED BY: JCS	DATE:
FILE NAME:	DESCRIPTION:
SIZE:	MARK:
PLOT SCALE SHOWN:	DATE:
FILE NUMBER:	DATE:

DESIGNED BY: JSM
DWN BY: JCS
SUBMITTED BY: JCS
FILE NAME:
SIZE:
PLOT SCALE SHOWN:
FILE NUMBER:
PLOT DATE:

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D - PONCE/CHURCH INTERSECTION

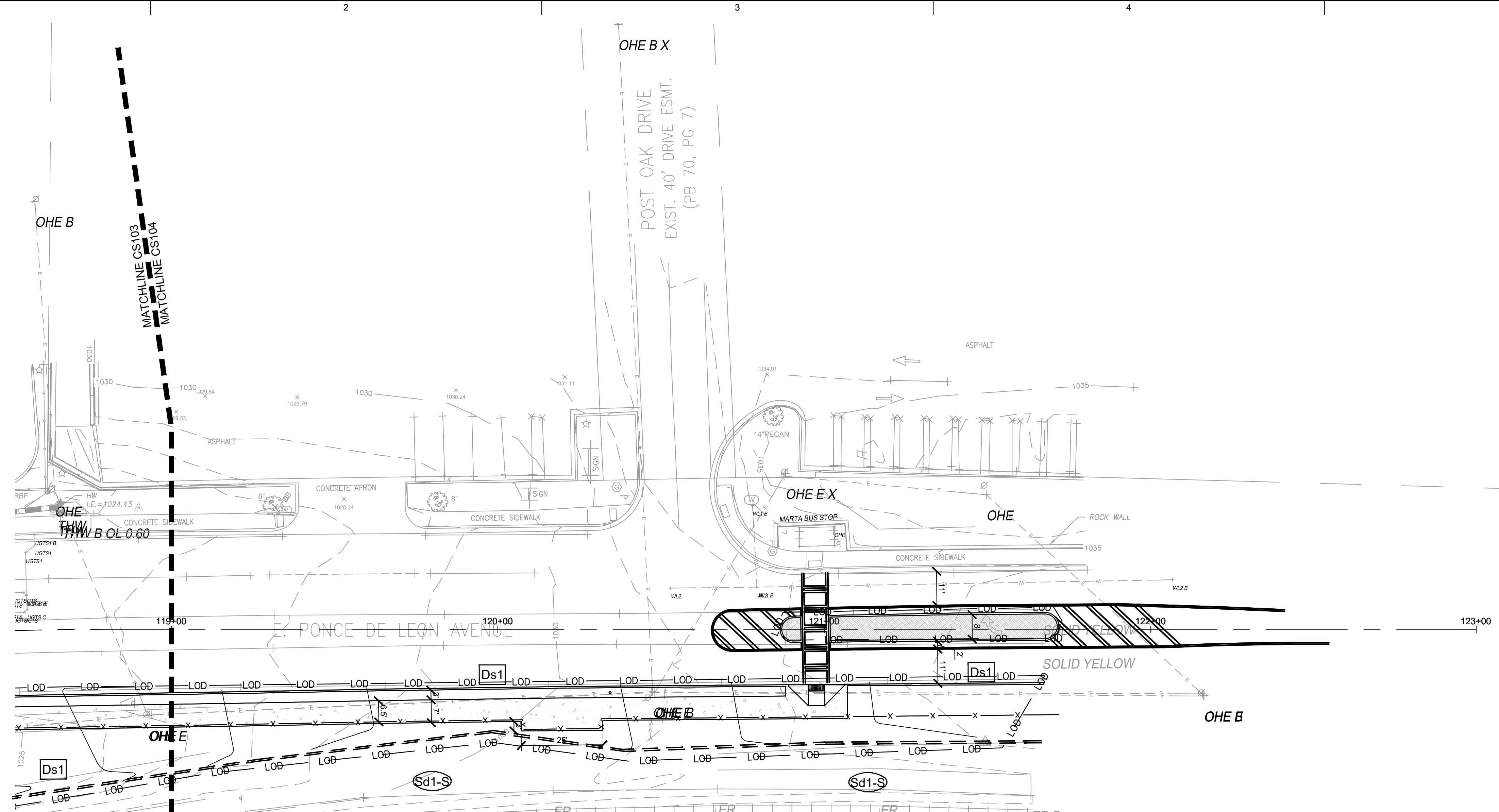
POND
3000 Parkway Lane, GA 30052, SUITE 500
Phone: 678.336.7740
FAX: 678.336.7744
POND PROJECT No. 1180426

PHASE 1

EROSION SEDIMENTATION & POLLUTION CONTROL

SHEET IDENTIFICATION NUMBER
54-004

FILE PATH: C:\CLARKSTON\7. CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\TECF-EC PHASE 1_1-22-2019.DWG PLOTTED BY: JSANCHEZ



Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

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.

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

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

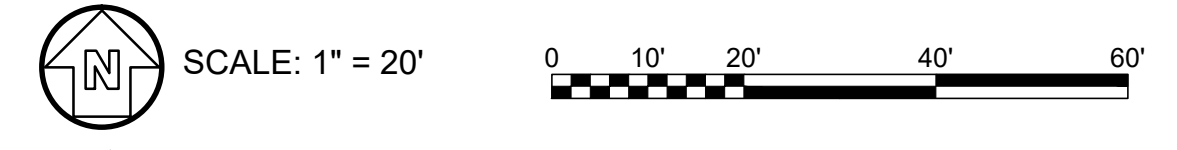
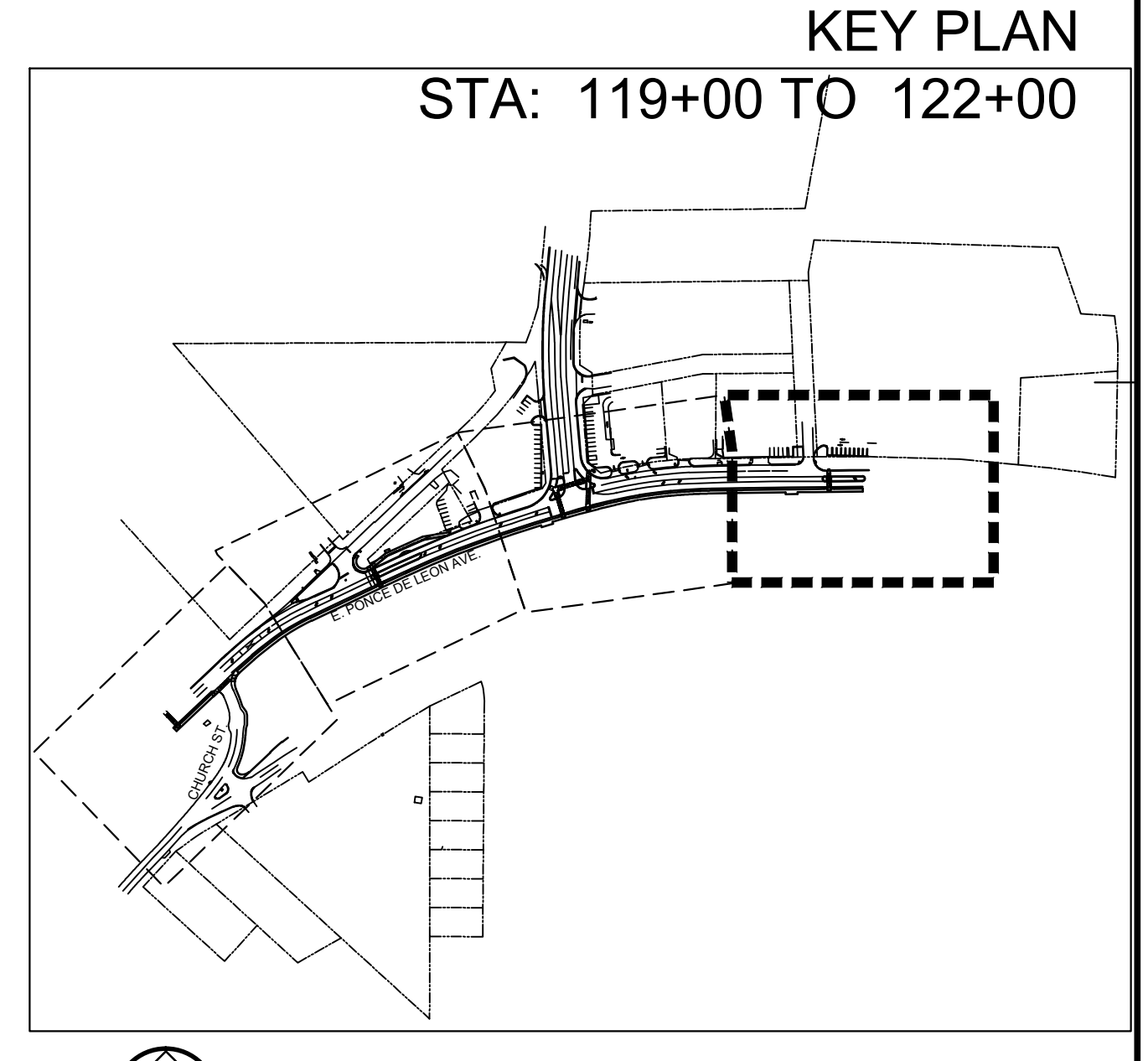
Douglas Munnell
Level II Certified Design Professional

CERTIFICATION NUMBER: 2488
ISSUED: ??/??/2019 EXPIRES: 12/15/2019

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

GENERAL SHEET NOTES

1. REFER TO CS100 NOTES FOR COMMENTS THAT APPLY THRU THE REST OF THE CS SERIES



CITY OF CLARKSTON
where possibilities grow

SEAL

9/13/2018	12/6/2018		
A	50% PLAN SUBMITTAL		
B	75% PLAN SUBMITTAL		
		MARK	DESCRIPTION
		DATE	APPR.

DESIGNED BY: JSM
DWN BY: JAC
SUBMITTED BY: JAC
FILE NAME: POND
SIZE: 22' x 34'

DESIGNED BY: JSM
SOLICITATION NO.: 9025-2019
CONTRACT NO.: 7383-E
FILE NUMBER: PLOT AS SHOWN
PLOT DATE:

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane, GA
30092, SUITE 500
Phone: 678.336.7740
Fax: 678.336.7744
POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
EROSION SEDIMENTATION & POLLUTION CONTROL

PHASE 1

SHEET IDENTIFICATION NUMBER
54-005

NOTE:

"CONTRACTOR RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS WITH PERMANENT VEGETATION NOT COVERED BY LANDSCAPE PLAN SCOPE. COORDINATE WITH COLLABORATIVE INFRASTRUCTURE SERVICES, 404-909-5619"

LEGEND

- Sd1-S** SILT FENCE
- Sd2-P** CURB FILTER INLET
- Ds1** DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

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.

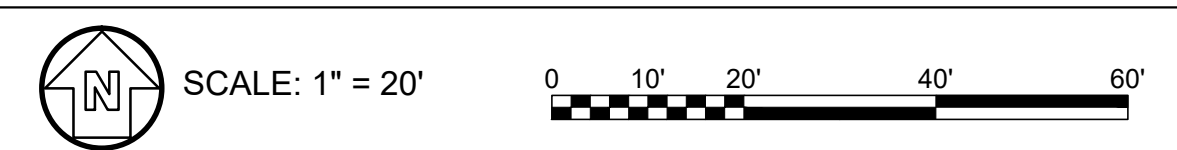
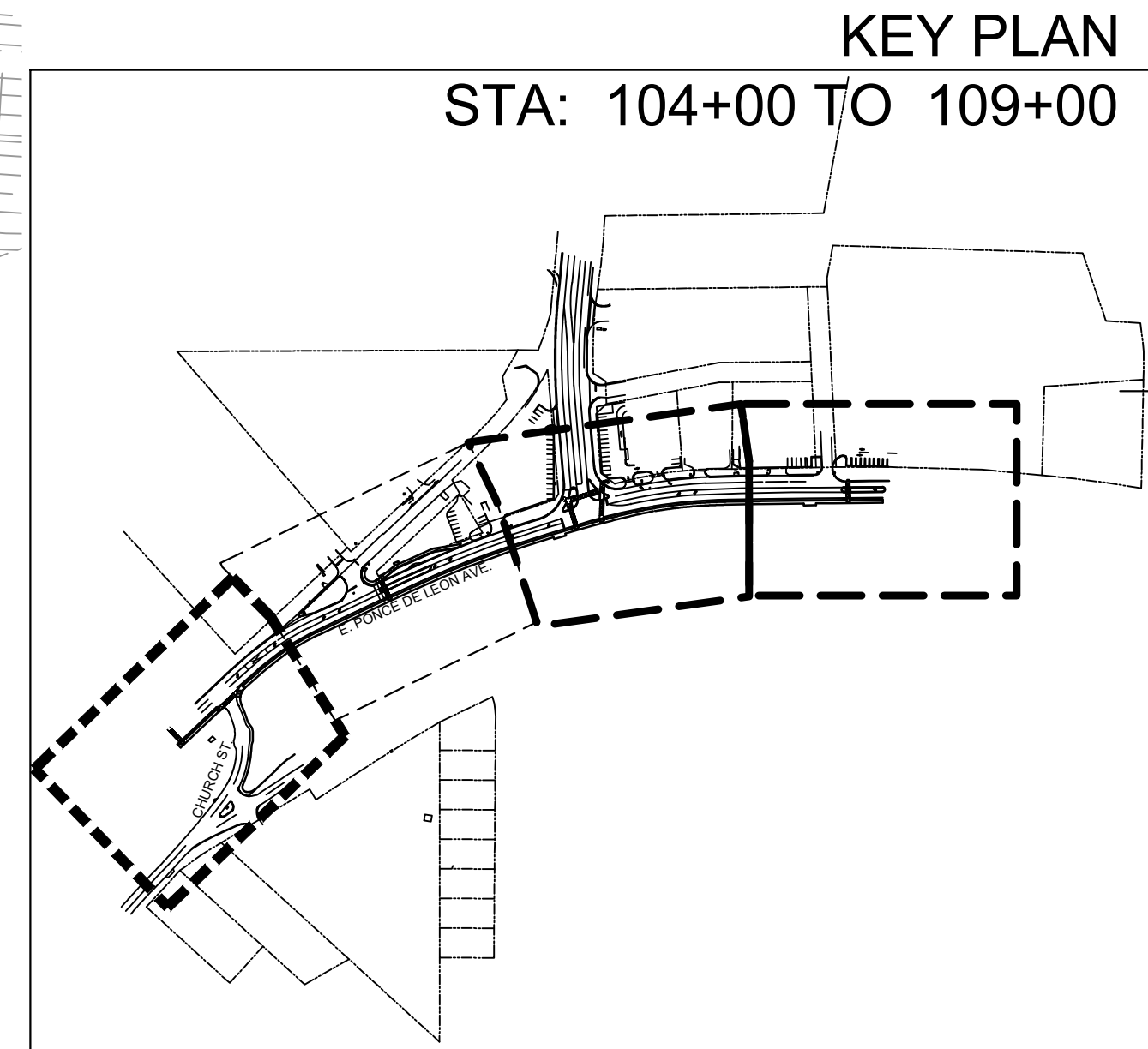
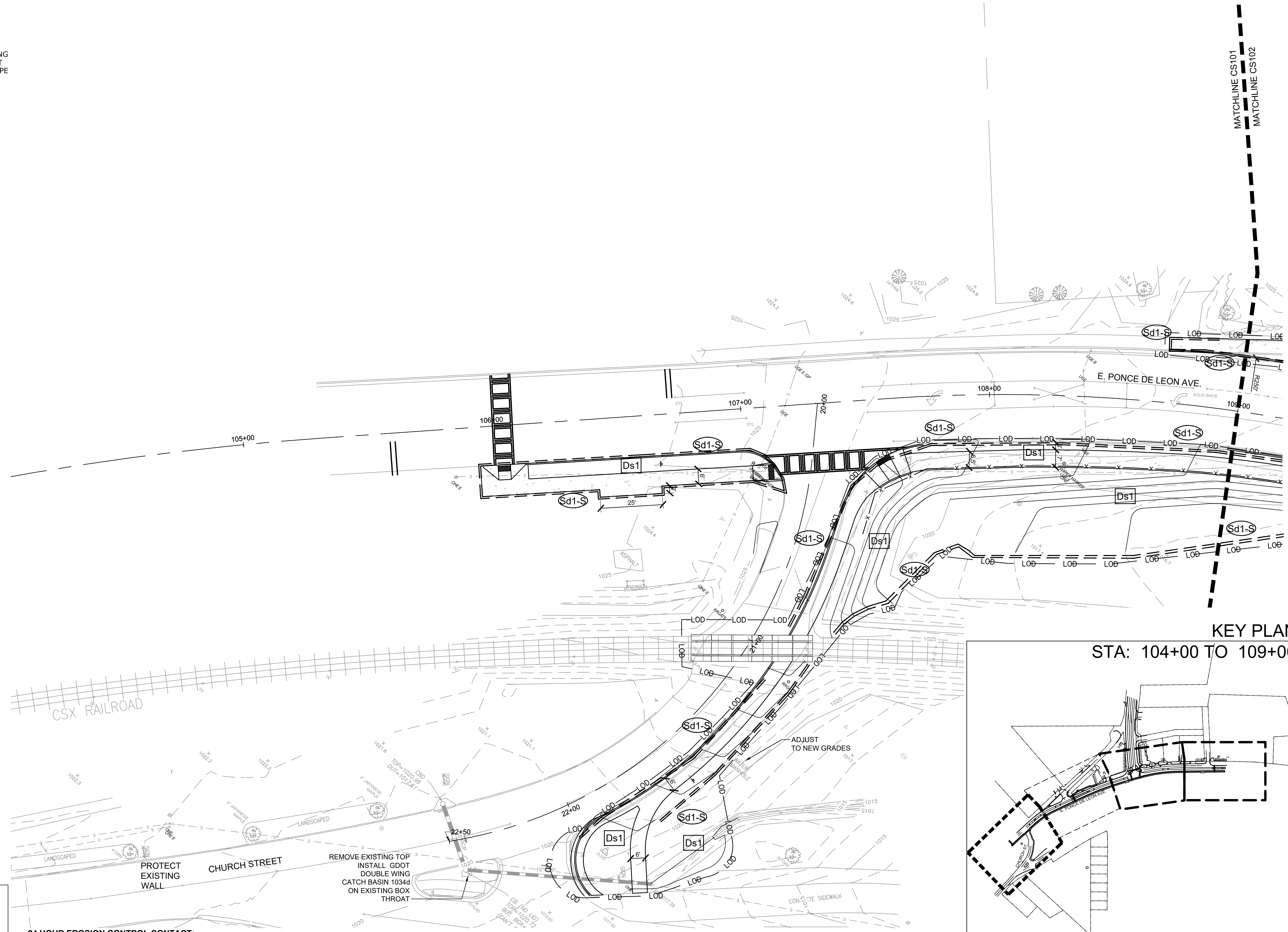
ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Douglas Munnell
Level II Certified Design Professional

CERTIFICATION NUMBER **2488**
ISSUED: **??/??/2019** EXPIRES: **12/15/2019**

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



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: DM	DATE: 04/22-2019
DRAWN BY: JG	SOLICITATION NO.: 7385-E
CHECKED BY: SM	CONTRACT NO: 7385-E
SUBMITTED BY:	FILE NUMBER:
FILE NAME:	PLOT DATE:
SIZE: 22' x 34'	PLOT SCALES SHOWN:

POND

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

3000 Parkway Lane, GA
30092, SUITE 500
Phone: 678.336.7740
Fax: 678.336.7744

POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
EROSION SEDIMENTATION & POLLUTION CONTROL

PHASE 2

SHEET IDENTIFICATION NUMBER
54-006

FILE PATH: C:\CLARKSTON\7. CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\ECF- EC PHASE 2_2-26-2019.DWG PLOTTED BY: JSANCHEZ

FILE PATH: C:\CLARKSTON7\CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\ECF- EC PHASE 2_2-26-2019.DWG PLOTTED BY: JSANCHEZ

LEGEND

- (Sd1-S)** SILT FENCE
- (Sd2)** CURB FILTER INLET
- (St)** STORM DRAIN OUTLET PROTECTION
- (Ds1)** DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

(St) DIMENSIONS
 Q = 45 CFS
 Do = 18"
 La = 20'
 D50 = 1"
 W = 21.5
 3XDo = 4.5'

NOTE:

"CONTRACTOR RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS WITH PERMANENT VEGETATION NOT COVERED BY LANDSCAPE PLAN SCOPE. COORDINATE WITH COLLABORATIVE INFRASTRUCTURE SERVICES, 404-909-5619"

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.

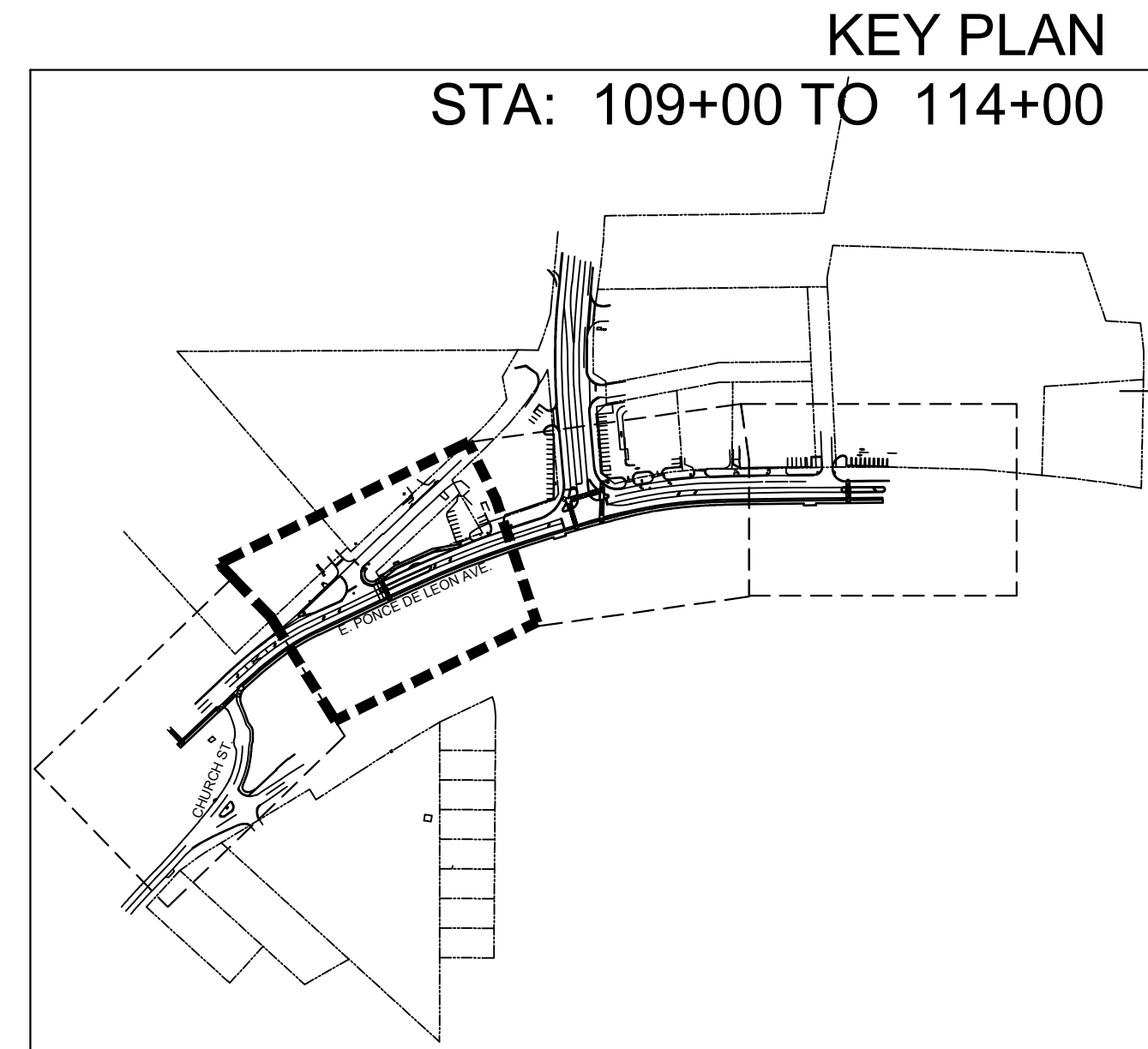
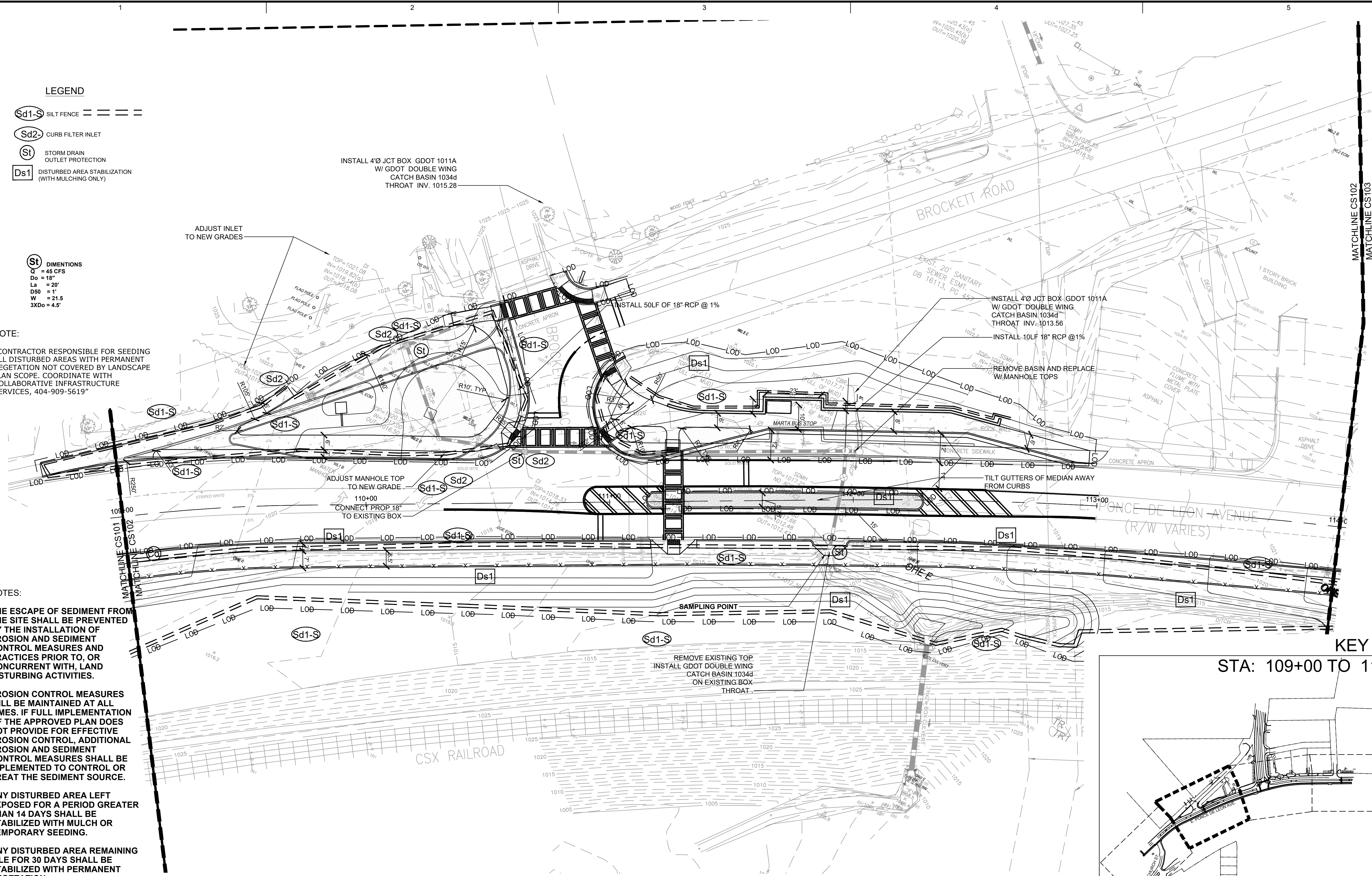
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

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



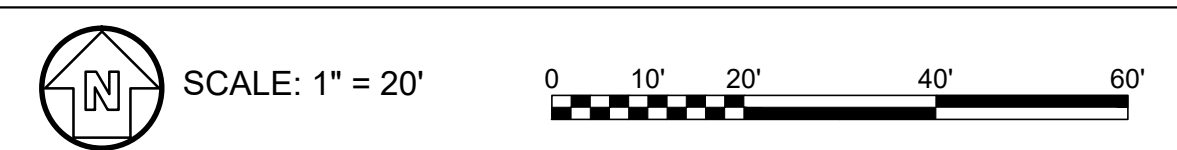
Douglas Munnell
 Level II Certified Design Professional
 CERTIFICATION NUMBER: 2488
 ISSUED: 12/15/2019 EXPIRES: 12/15/2019

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



GENERAL SHEET NOTES

- REFER TO 51-XX NOTES FOR COMMENTS THAT APPLY THRU THE REST OF THE SERIES.



9/13/2018	12/6/2018	DATE	APPR.
A	50% PLAN SUBMITTAL	MARK	DESCRIPTION
B	75% PLAN SUBMITTAL	MARK	DESCRIPTION

DESIGNED BY: DM	DRAWN BY: JC (C) BY: SM	SOLICITATION NO.:	CONTRACT NO. 7383-E
DATE: 02/20/19	FILE NAME:	FILE NUMBER:	PLOT DATE:
SIZE: 22" x 34"	PLOT SCALE: AS SHOWN	FILE NAME:	PLOT DATE:

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

3000 Parkway Lane, GA
 30052, SUITE 500
 Phone: 678.336.7740
 Fax: 678.336.7744

3000 Parkway Lane, GA
 30052, SUITE 500
 Phone: 678.336.7740
 Fax: 678.336.7744

POND PROJECT No. 1180426

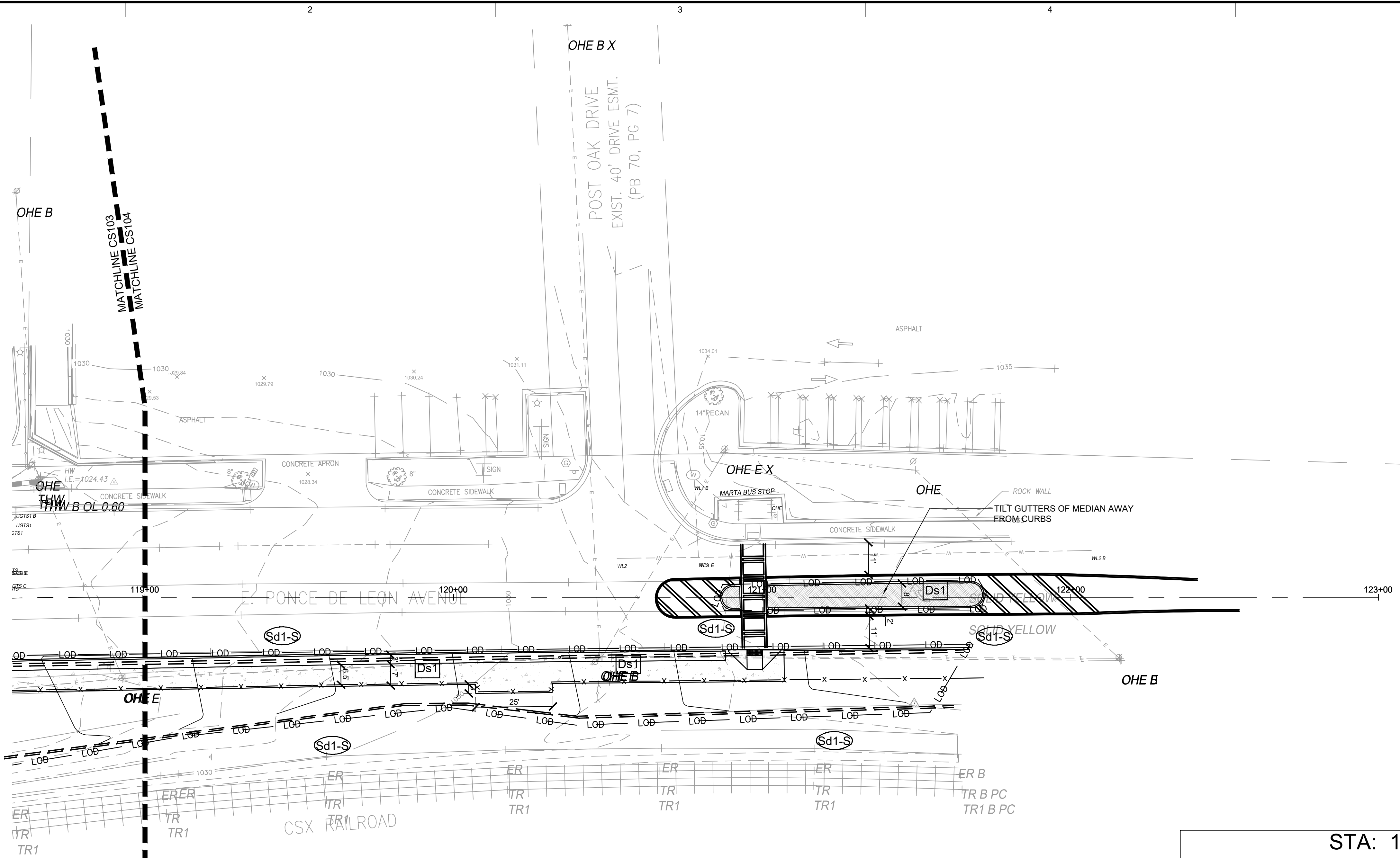
PHASE 2	PHASE 2
----------------	----------------

<p>EROSION SEDIMENTATION & POLLUTION CONTROL</p> <p>PHASE 2</p>	<p>SHEET IDENTIFICATION NUMBER</p> <p>54-007</p>
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FILE PATH: C:\CLARKSTON\7 - CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\ECF- EC PHASE 2_2-26-2019.DWG PLOTTED BY: JSANCHEZ

NOTE:

"CONTRACTOR RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS WITH PERMANENT VEGETATION NOT COVERED BY LANDSCAPE PLAN SCOPE. COORDINATE WITH COLLABORATIVE INFRASTRUCTURE SERVICES, 404-909-5619"



LEGEND

- Sd1-S SILT FENCE
- Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

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.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

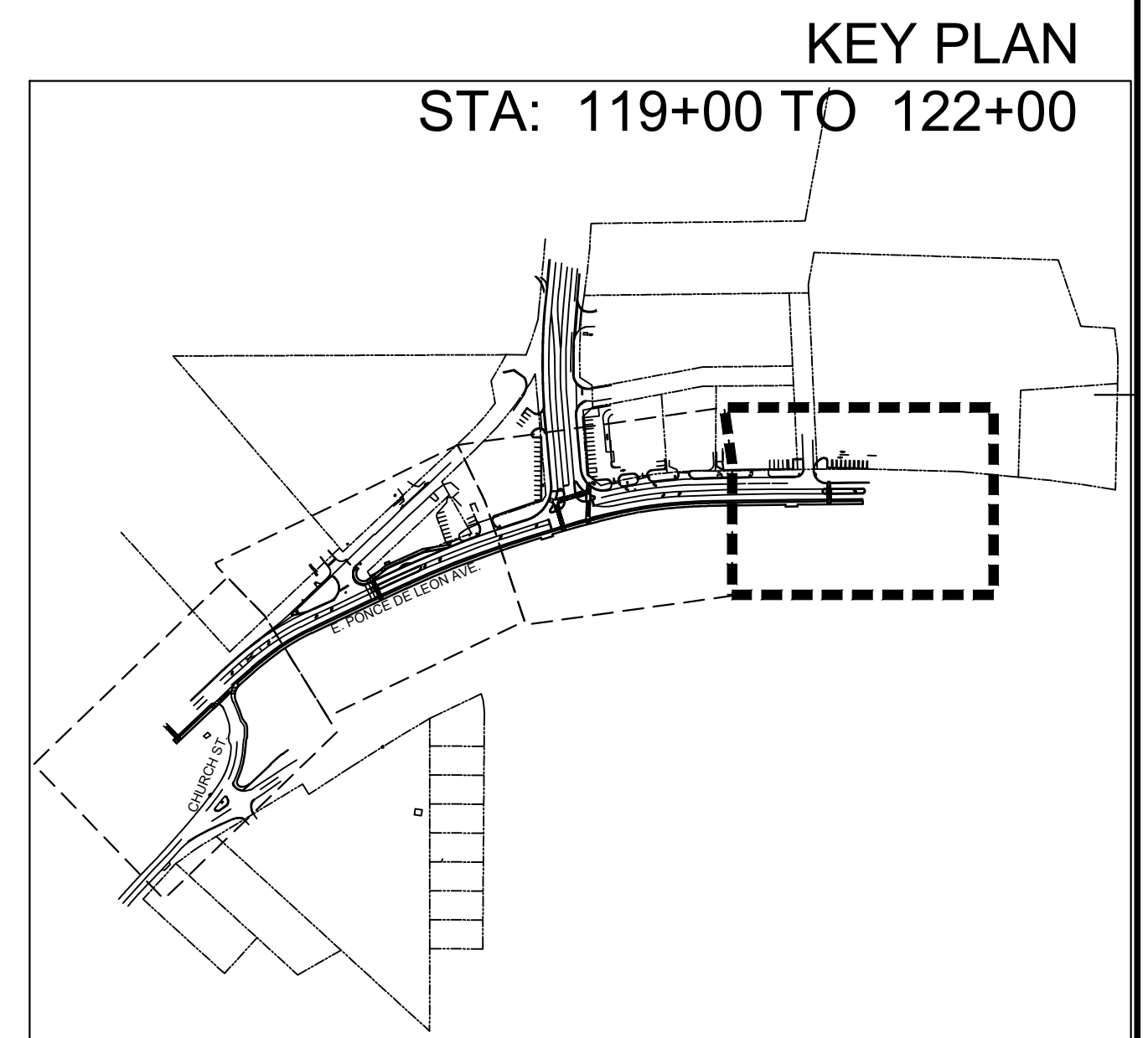
Douglas Munnell
Level II Certified Design Professional

CERTIFICATION NUMBER: 2488
ISSUED: ??/??/2019 EXPIRES: 12/15/2019

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

GENERAL SHEET NOTES

- REFER TO CS100 NOTES FOR COMMENTS THAT APPLY THRU THE REST OF THE CS SERIES



SCALE: 1" = 20'



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: DM	9/25/2019	SOLICITATION NO.:	CONTRACT NO. 7383-E
DWN BY: DM	12/6/2018	FILE NAME:	FILE NUMBER:
SUBMITTED BY:		SIZE:	PLOT AS SHOWN
		22" x 34"	

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane, GA
30052, SUITE 500
Phone: 678.336.7740
Fax: 678.336.7744

POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
EROSION SEDIMENTATION & POLLUTION CONTROL

PHASE 2

SHEET IDENTIFICATION NUMBER
54-009

NOTE:

"CONTRACTOR RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS WITH PERMANENT VEGETATION NOT COVERED BY LANDSCAPE PLAN SCOPE. COORDINATE WITH COLLABORATIVE INFRASTRUCTURE SERVICES, 404-909-5619"

LEGEND

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

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.

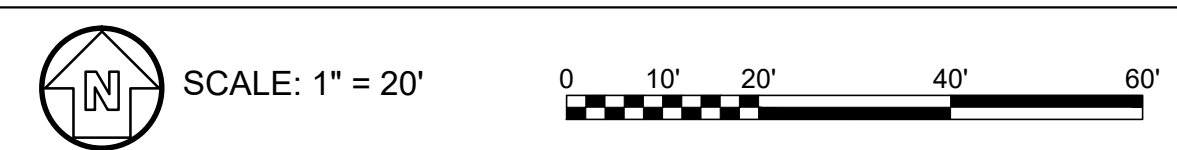
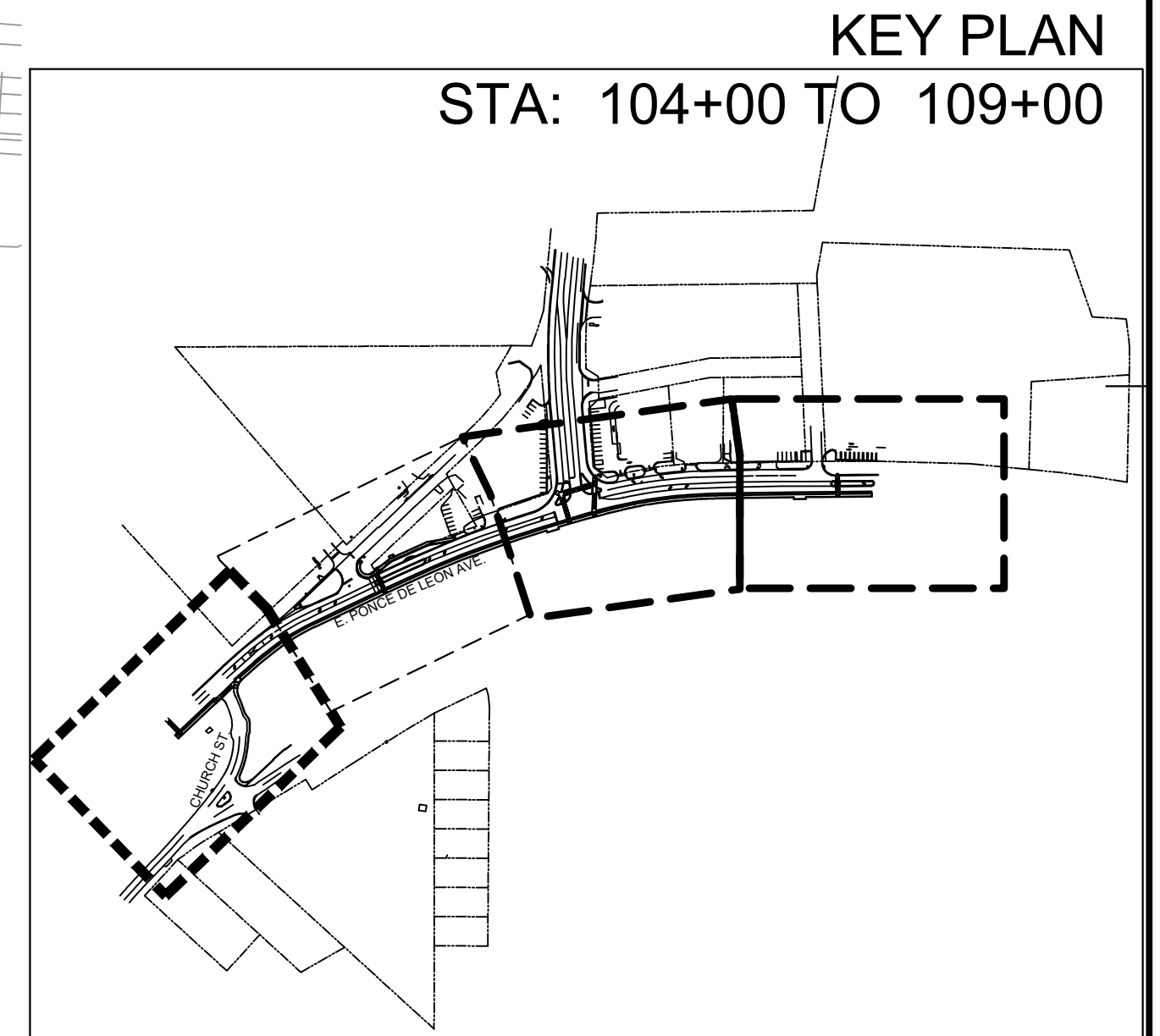
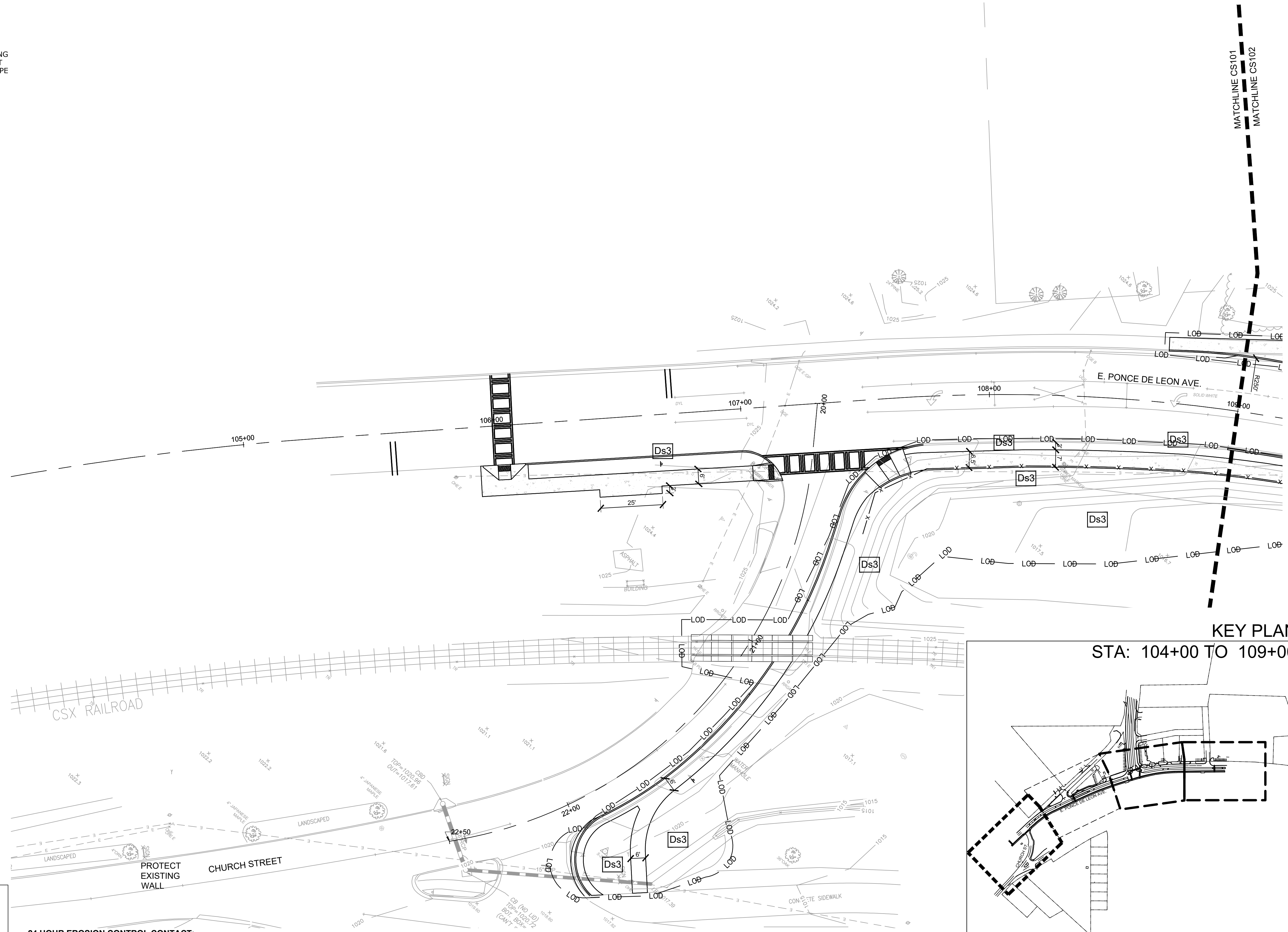
ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Douglas Munnell
Level II Certified Design Professional

CERTIFICATION NUMBER: 2488
ISSUED: ??/??/2019 EXPIRES: 12/15/2019

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



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: DM	DATE: 1-22-2019
DWN BY: JC	CKD BY: SM
SUBMITTED BY:	CONTRACT NO.: 7383-E
FILE NAME:	FILE NUMBER:
SIZE: 22' x 34'	PLOT SCALE: AS SHOWN
	PLOT DATE:

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

POND
3000 Parkway Lane, GA
30092, SUITE 500
Phone: 678.336.7740
Fax: 678.336.7744

POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
EROSION SEDIMENTATION & POLLUTION CONTROL

PHASE 3

SHEET IDENTIFICATION NUMBER
54-010

FILE PATH: C:\CLARKSTON\7. CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\ECF- EC PHASE 3_2-26-2019.DWG PLOTTED BY: JSANCHEZ

FILE PATH: C:\CLARKSTON\7 CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\ECF- EC PHASE 3_2-26-2019.DWG PLOTTED BY: JSANCHEZ

NOTE:
 "CONTRACTOR RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS WITH PERMANENT VEGETATION NOT COVERED BY LANDSCAPE PLAN SCOPE. COORDINATE WITH COLLABORATIVE INFRASTRUCTURE SERVICES, 404-909-5619"

LEGEND

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

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.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

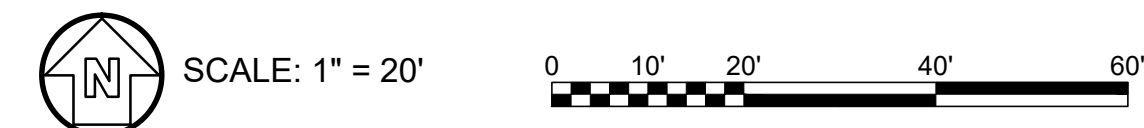
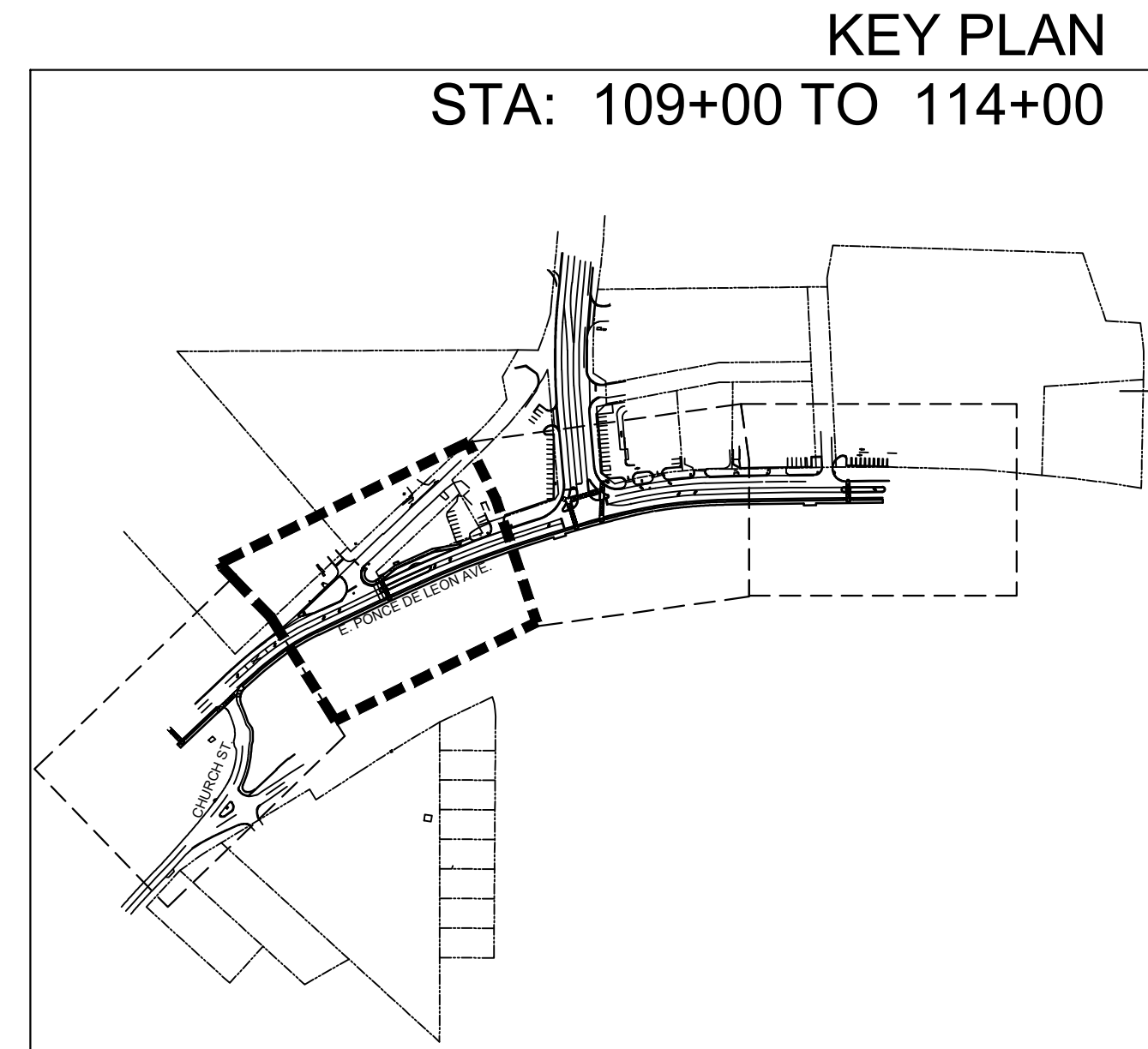
Douglas Munnell
 Level II Certified Design Professional

CERTIFICATION NUMBER: 2488
 ISSUED: ??/??/2019 EXPIRES: 12/15/2019

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

GENERAL SHEET NOTES

- REFER TO CS100 NOTES FOR COMMENTS THAT APPLY THRU THE REST OF THE CS SERIES
- WHERE PROPOSED GRANITE CURB IS INDICATED, ASSUMED DEMO AND REPLACEMENT OF OLD GRANITE CURB WITH NEW.



CITY OF CLARKSTON
 where possibilities grow

SEAL

9/13/2018	12/6/2018				
A	50% PLAN SUBMITTAL				
B	75% PLAN SUBMITTAL				
		MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: DM
 DWN BY: JC (C/O BY: SM)
 SUBMITTED BY:
 FILE NAME:
 SIZE: 22' x 34'
 PLOT SCALE: AS SHOWN

DP#2-2019
 SOLICITATION NO.:
 CONTRACT NO. 7383-E
 FILE NUMBER:
 PLOT DATE:

CITY OF CLARKSTON
 SPLOTTED PROJECT D -
 PONCE/CHURCH INTERSECTION

POND
 3000 Parkway Lane, GA
 30052, SUITE 500
 Phone: 678.336.7740
 Fax: 678.336.7744

PHASE 3

EROSION SEDIMENTATION & POLLUTION CONTROL

SHEET IDENTIFICATION NUMBER
54-011

FILE PATH: C:\CLARKSTON\7 CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\ECF- EC PHASE 3_2-26-2019.DWG PLOTTED BY: JSANCHEZ

NOTE:

"CONTRACTOR RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS WITH PERMANENT VEGETATION NOT COVERED BY LANDSCAPE PLAN SCOPE. COORDINATE WITH COLLABORATIVE INFRASTRUCTURE SERVICES, 404-909-5619"

LEGEND

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

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.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Douglas Munnell
Level II Certified Design Professional

CERTIFICATION NUMBER **2488**
ISSUED: **??/??/2019** EXPIRES: **12/15/2019**

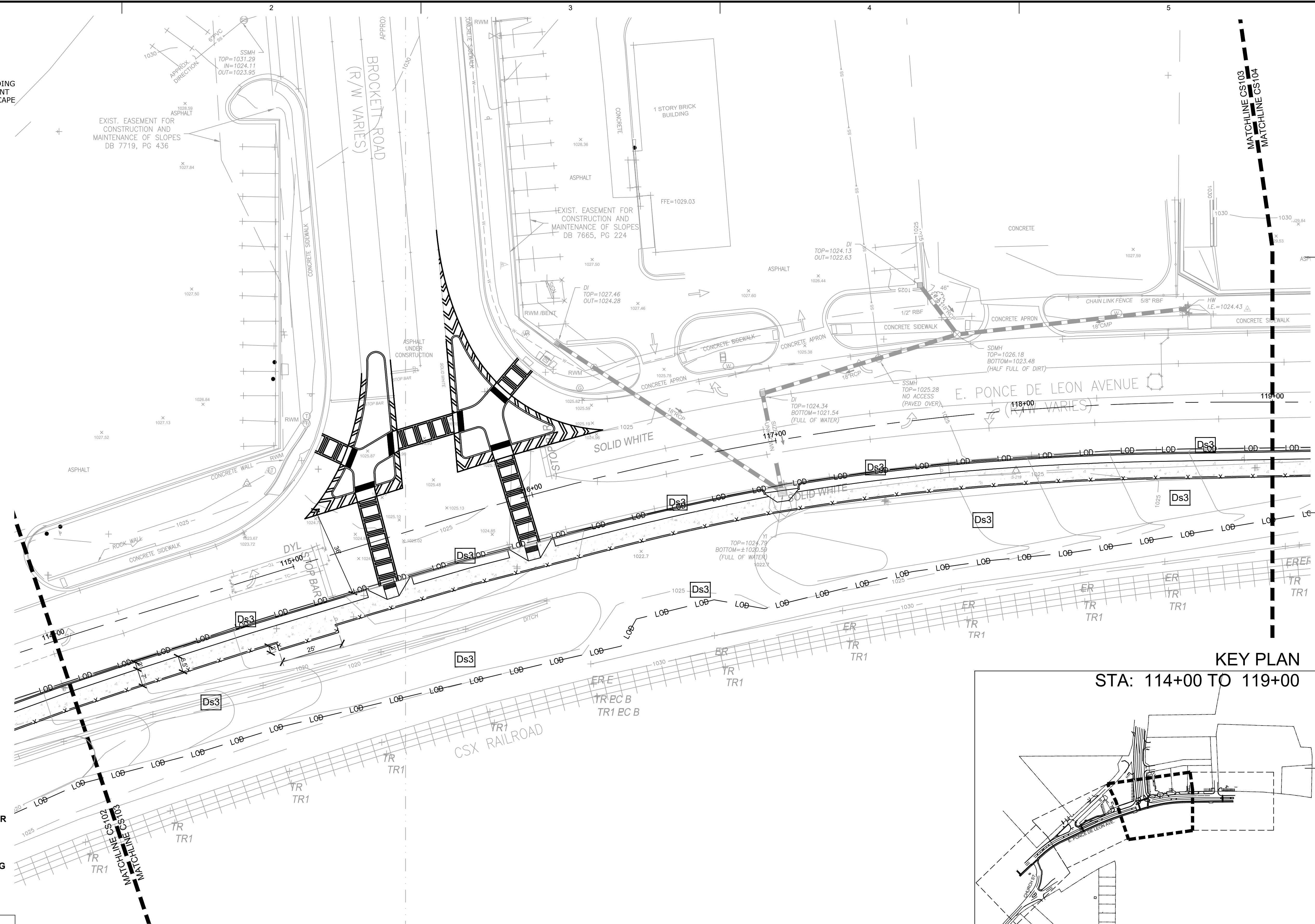
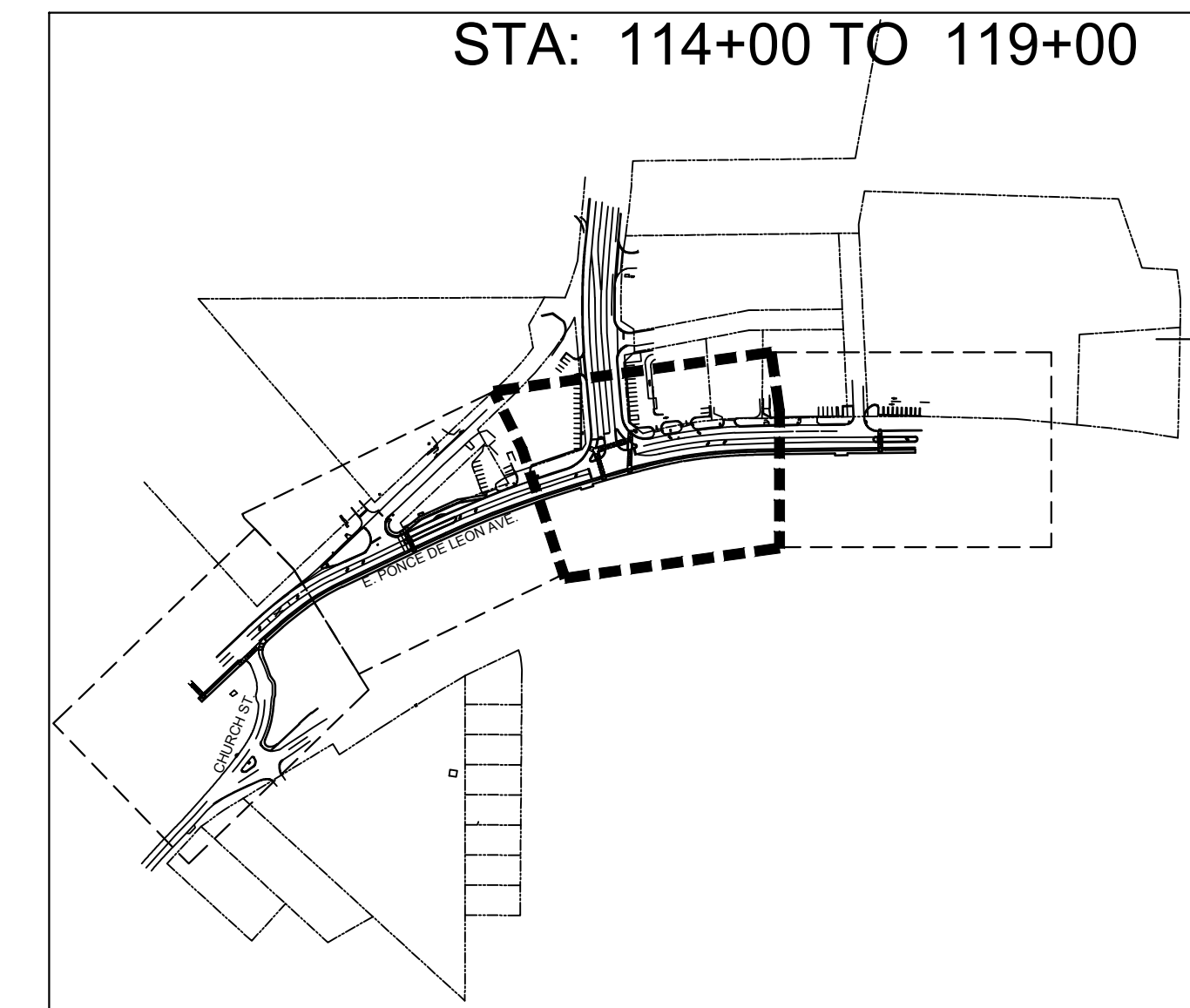
24 HOUR EROSION CONTROL CONTACT:
PRIMARY PERMITTEE
NAME: LARRY KAISER, P.E.
ADDRESS: 945 BANK ST.
CONYERS, GA 30012
PHONE : 404-909-5619

GENERAL SHEET NOTES

- REFER TO CS100 NOTES FOR COMMENTS THAT APPLY THRU THE REST OF THE CS SERIES



SCALE: 1" = 20'



MARK	DESCRIPTION	DATE	APPR.
A	50% PLAN SUBMITTAL	9/13/2018	
B	75% PLAN SUBMITTAL	12/6/2018	

DESIGNED BY: DM	DATE: 12-22-2019	SOLICITATION NO.: 7383-E	FILE NUMBER:	CONTRACT NO.: 7383-E	PLLOT DATE:
DWN BY: JC	CHK BY: SM				
SUBMITTED BY:	FILE NAME:	SIZE:	PLOT SCALE:	AS SHOWN	

POND

CITY OF CLARKSTON
SPLOST PEDESTRIAN PROJECT D -
PONCE/CHURCH INTERSECTION

3000 Parkway Lane, GA
30092, SUITE 500
Phone: 678.336.7740
Fax: 678.336.7744

POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
EROSION SEDIMENTATION & POLLUTION CONTROL

PHASE 3

SHEET IDENTIFICATION NUMBER
54-012

FILE PATH: C:\CLARKSTON\7 - CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\EC_SET\TECF-EC PHASE 3_2-26-2019.DWG PLOTTED BY: JSANCHEZ

NOTE:
 "CONTRACTOR RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS WITH PERMANENT VEGETATION NOT COVERED BY LANDSCAPE PLAN SCOPE. COORDINATE WITH COLLABORATIVE INFRASTRUCTURE SERVICES, 404-909-5619"

LEGEND

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

NOTES:
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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.

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

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

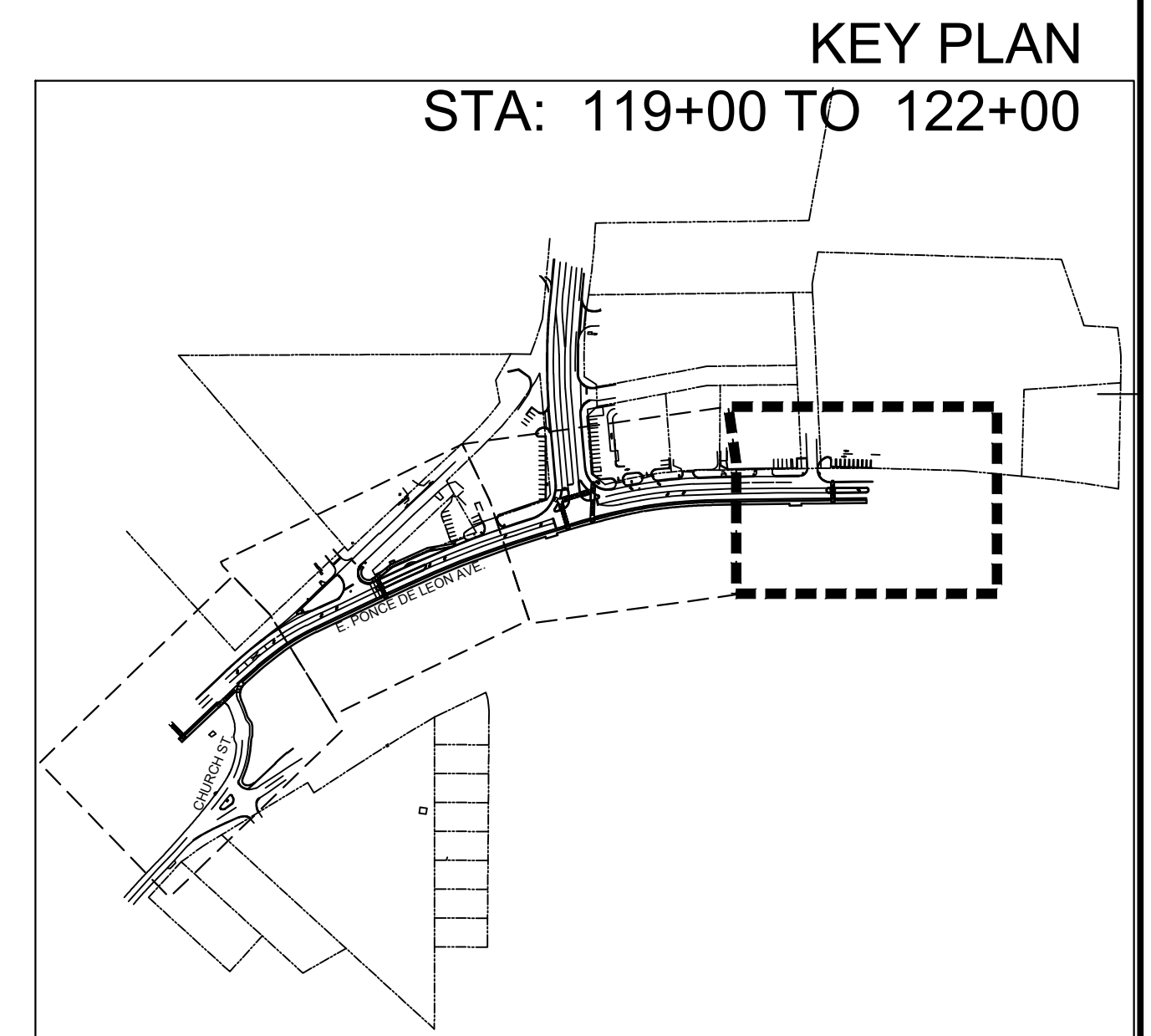
Douglas Munnell
 Level II Certified Design Professional

CERTIFICATION NUMBER **2488**
 ISSUED: **??/??/2019** EXPIRES: **12/15/2019**

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

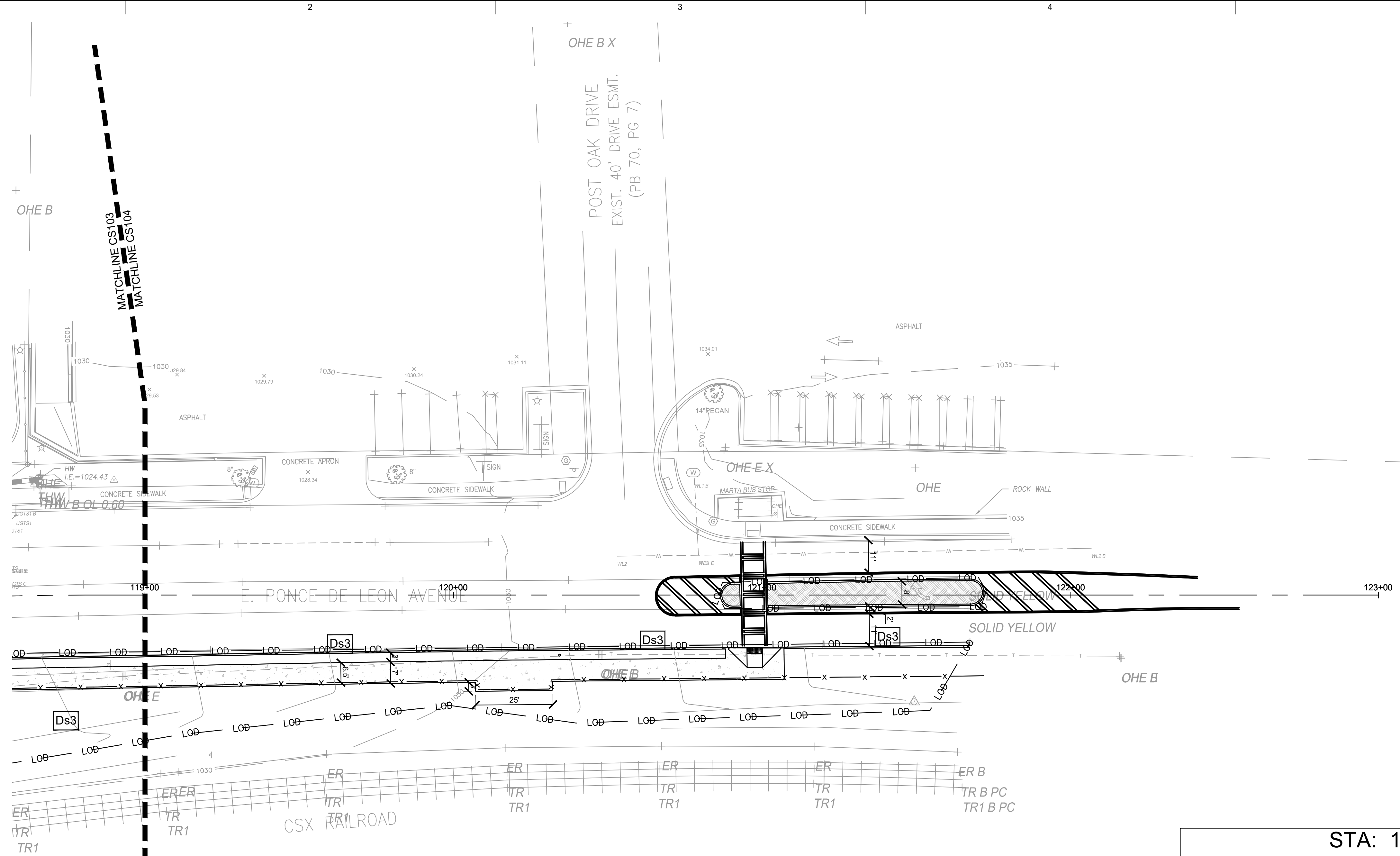
GENERAL SHEET NOTES

- REFER TO CS100 NOTES FOR COMMENTS THAT APPLY THRU THE REST OF THE CS SERIES



SCALE: 1" = 20'

0 10' 20' 40' 60'



MARK	DATE	DESCRIPTION	APPR.
A	9/13/2018	50% PLAN SUBMITTAL	
B	12/6/2018	75% PLAN SUBMITTAL	

DESIGNED BY: DM	DESIGN NO: 9925-2019	SOLICITATION NO.:	CONTRACT NO: 7383-E
DWN BY: DM	CD BY: SM	FILE NAME:	FILE NUMBER:
SUBMITTED BY:	FILE NAME:	FILE NUMBER:	FILE NUMBER:
SIZE: 22" x 34"	PLOT AS SHOWN	FILE NUMBER:	FILE NUMBER:

CITY OF CLARKSTON
 SPLOST PEDESTRIAN PROJECT D -
 PONCE/CHURCH INTERSECTION

POND
 3000 Parkway Lane, GA
 30052, SUITE 500
 Phone: 678.336.7740
 Fax: 678.336.7744

POND PROJECT No. 1180426

PONCE/CHURCH INTERSECTION
 EROSION SEDIMENTATION & POLLUTION CONTROL

PHASE 3

SHEET IDENTIFICATION NUMBER
54-013

FILE PATH: O:\CLARKSTON\ CONSTRUCTION DOCUMENTS\7.0 CD DRAWINGS\CIVIL\CD SET\ECF-000-017_STORMWATER POND.DWG PLOTTED BY: JSANCHEZ

DESIGN CRITERIA FOR ALL Sd2 APPLICATIONS
 MANY SEDIMENT FILTERING DEVICES CAN BE DESIGNED TO SERVE AS TEMPORARY SEDIMENT TRAPS. SEDIMENT TRAPS MUST BE SELF-DRAINING UNLESS THEY ARE OTHERWISE PROTECTED IN AN APPROVED FASHION THAT WILL NOT PRESENT A SAFETY HAZARD. THE AREA DRAINING TO THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

IF RUNOFF MAY BYPASS THE PROTECTED INLET, A TEMPORARY DIKE SHOULD BE CONSTRUCTED ON THE DOWN SLOPE SIDE OF THE STRUCTURE. ALSO, A STONE FILTER RING MAY BE USED ON THE UP SLOPE SIDE OF THE INLET TO SLOW RUNOFF AND FILTER LARGER SOIL PARTICLES. REFER TO FR-STONE FILTER RING.

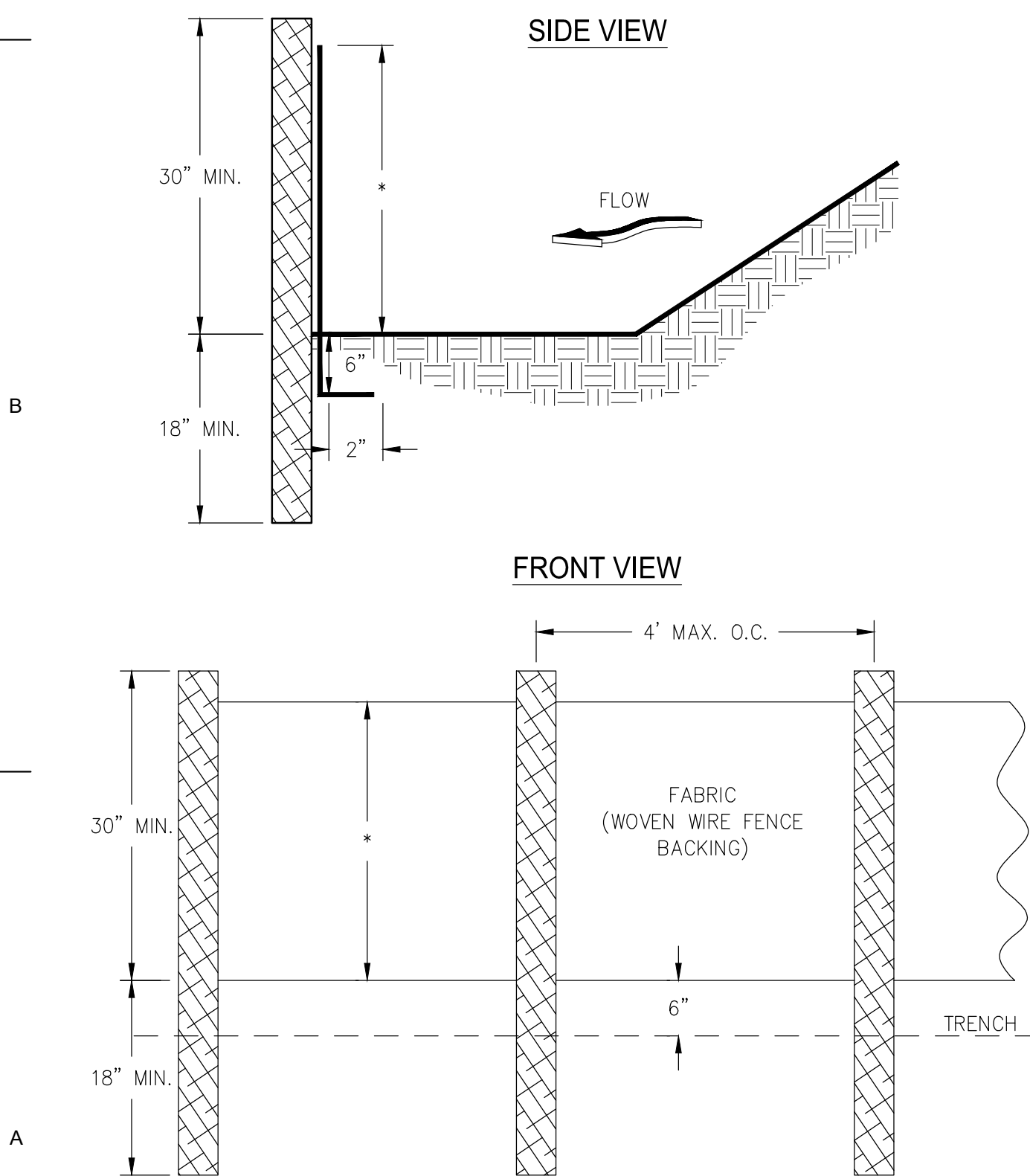
MAINTENANCE FOR ALL Sd2 APPLICATIONS

ALL TRAPS SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION. SOD INLET PROTECTION SHALL BE MAINTAINED AS SPECIFIED IN DS4-DISTURBED AREA STABILIZATION (WITH SODDING).

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. ALL DISTURBED AREAS AROUND THE INLET SHALL BE APPROPRIATELY STABILIZED.

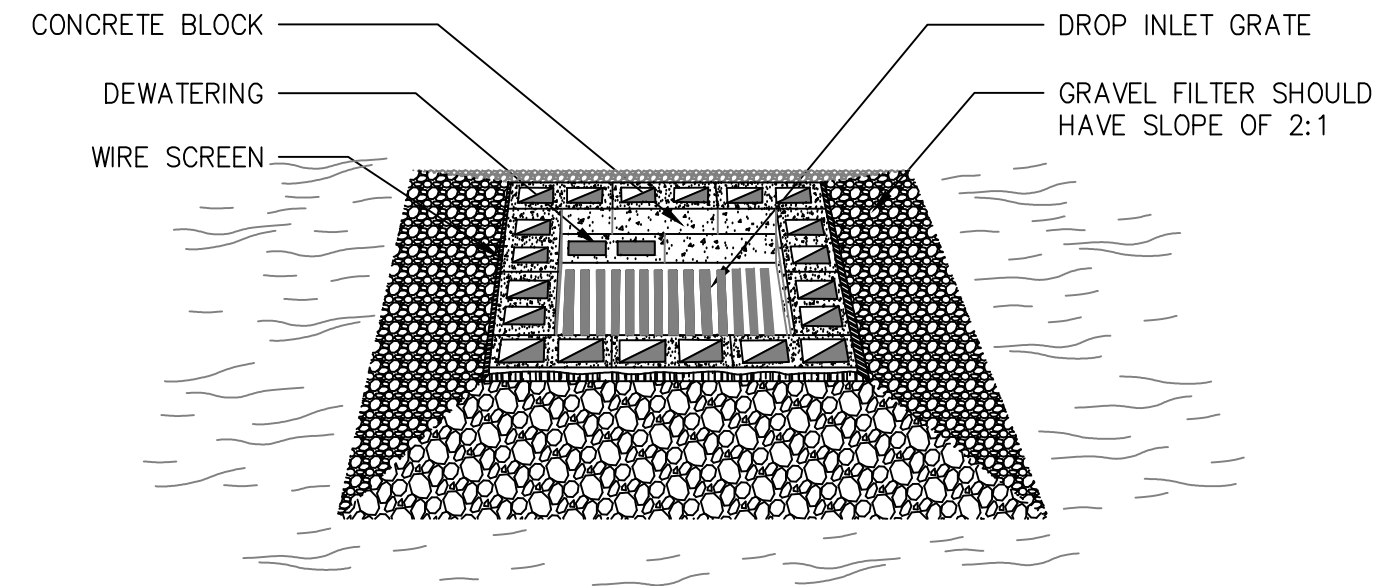
Sd2 INLET SEDIMENT BARRIER

C

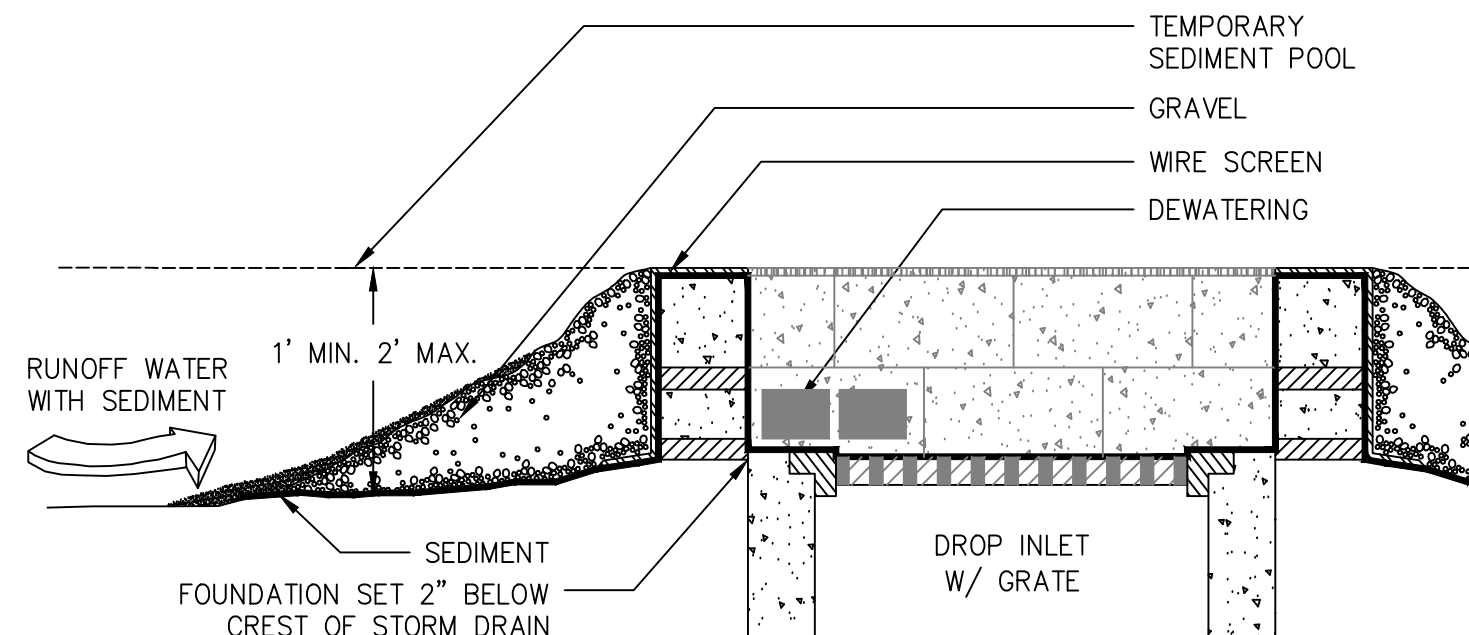


- NOTES:**
- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 - HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1-S SILT FENCE - TYPE SENSITIVE
N.T.S.

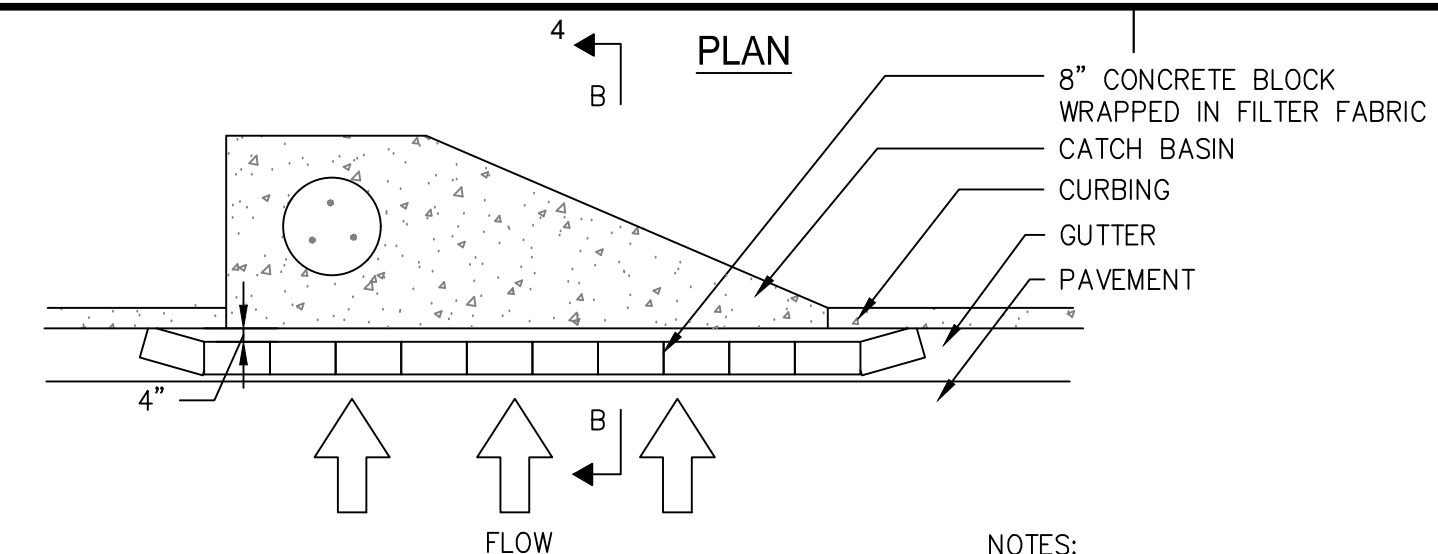


BLOCK AND GRAVEL SECTION

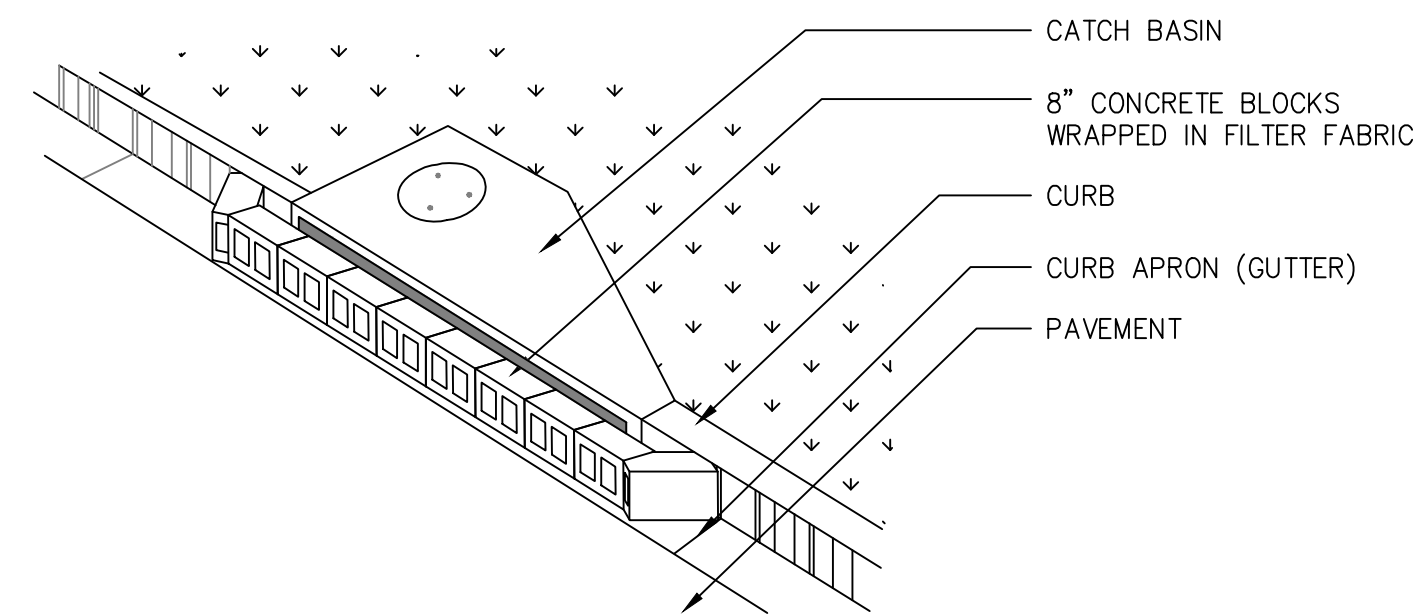
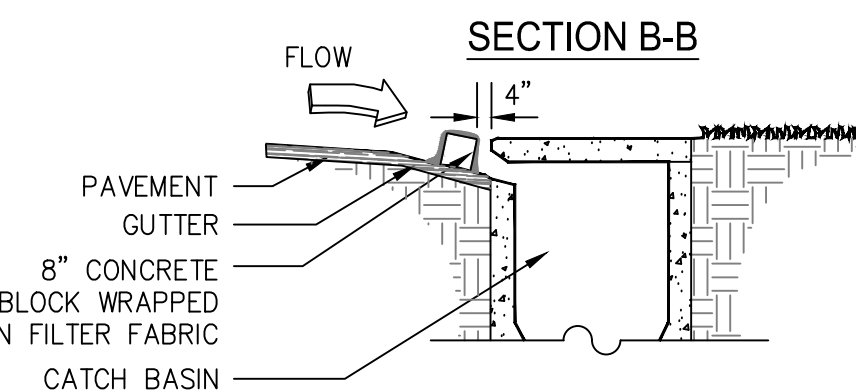


- NOTE:**
- HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2 INCH OPENINGS SHALL BE FITTED OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
 - THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. THE FIRST ROW OF BLOCKS WILL BE PLACED HERE FOR LATERAL SUPPORT.
 - ONE BLOCK (AS SHOWN) IS TO BE PLACED ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW FOR POOL DRAINAGE.

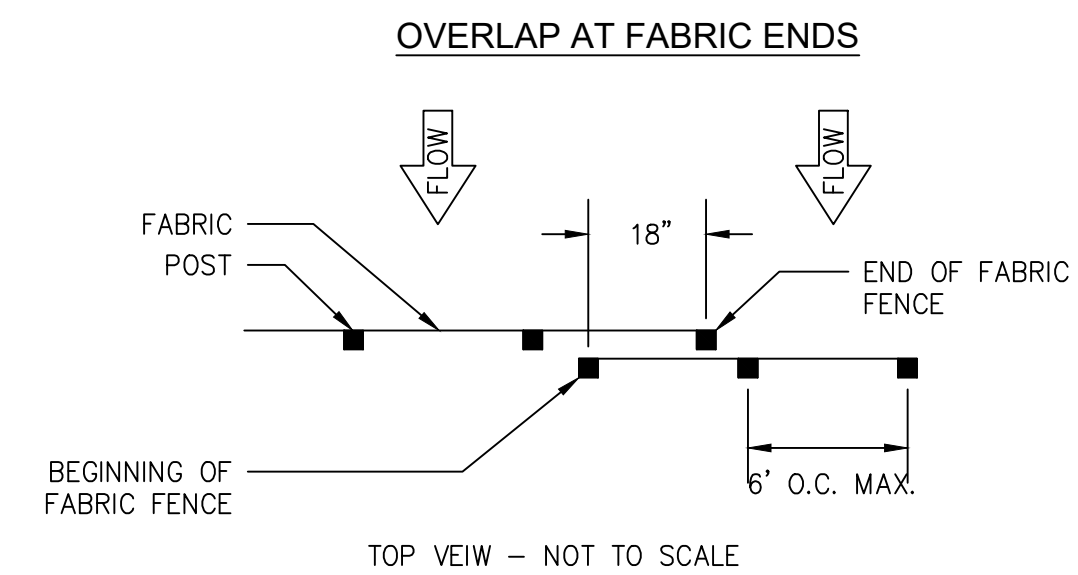
Sd2-BG BLOCK & GRAVEL DROP INLET PROTECTION
N.T.S.



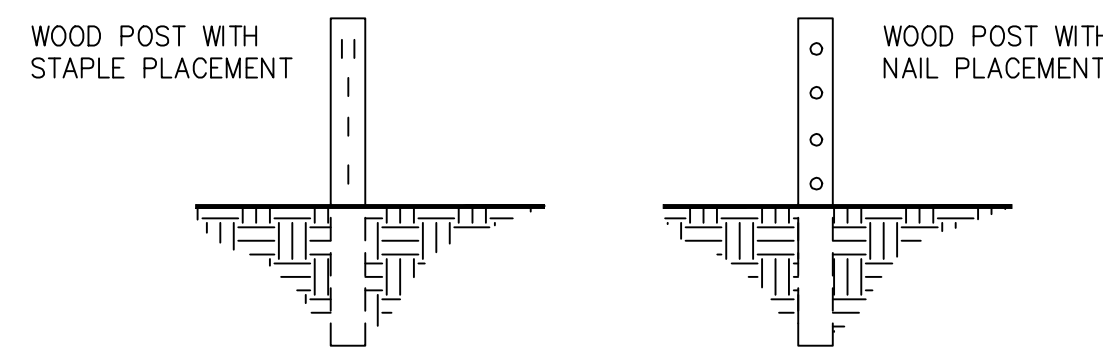
- NOTES:**
- INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION
 - WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
 - FACE OPENINGS IN BLOCKS OUTWARD.
 - LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.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



Sd2-P CURB FILTER INLET
N.T.S.



TOP VIEW - NOT TO SCALE



FRONT VIEWS - NOT TO SCALE

- NOTES:**
- THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

Sd1-S FASTENER FOR SILT FENCE
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

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Douglas Munnell
 Level II Certified Design Professional

CERTIFICATION NUMBER: 2488
 ISSUED: ??/??/2019 EXPIRES: 12/15/2019



SEAL

MARK	DESCRIPTION	DATE	APPR.
A	100% SUBMITTAL	1/31/2019	

DESIGNED BY: DMH	DATE: 11/22/2019	SOLICITATION NO.: 190154	CONTRACT NO.: 7393-E
DRAWN BY: JC	CHK BY: SM	FILE NUMBER:	PLOT DATE:
SPT	SUBMITTED BY:	SIZE: 22" x 34"	PLOT SCALE: AS SHOWN

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

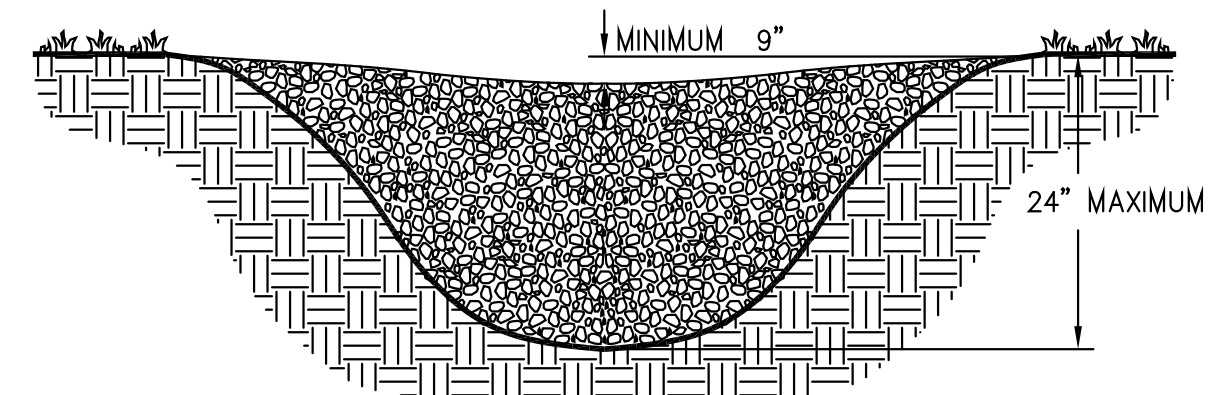
POND
 POND PROJECT No. 1190154

3500 Parkway Lane, Suite 400
 Conyers, GA 30012
 Phone: 678.336.7740 Fax: 678.336.7744

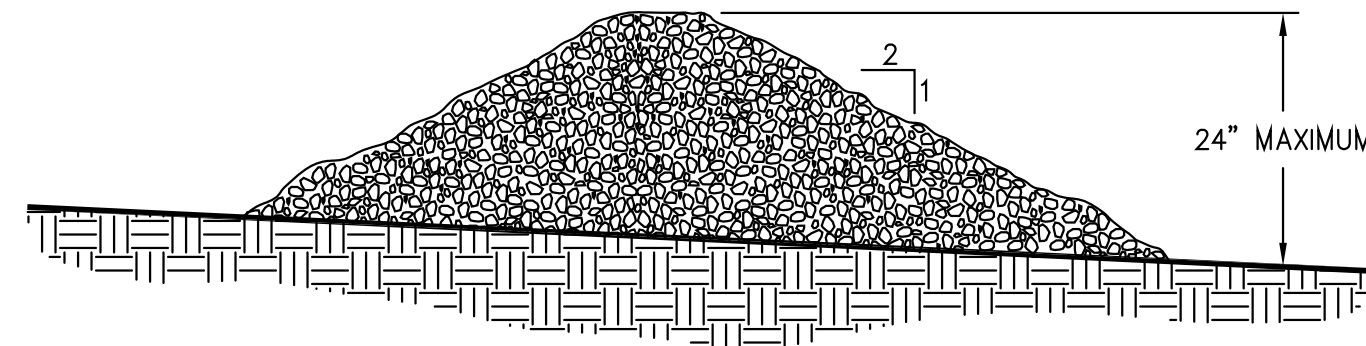
PONCE/CHURCH SIDEWALKS
 EROSION SEDIMENTATION & POLLUTION CONTROL
STORMWATER POND
 ESPC STANDARD DETAILS

SHEET IDENTIFICATION NUMBER
56-001

CROSS SECTION



PROFILE VIEW

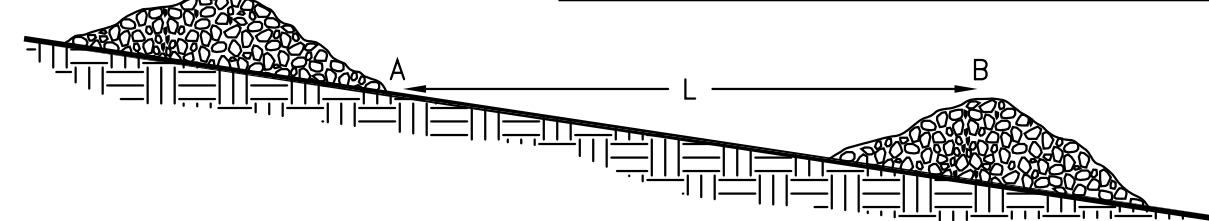


- NOTES:
- CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
 - THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
 - THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
 - THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
 - THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
 - GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

Cd STONE CHECK DAM 1
N.T.S.

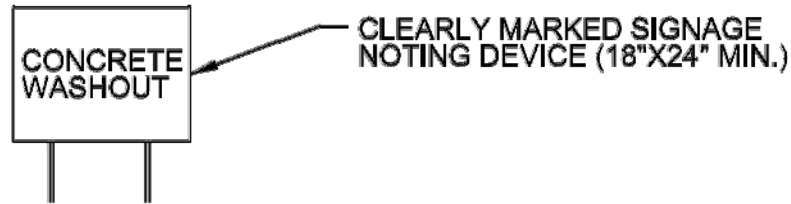
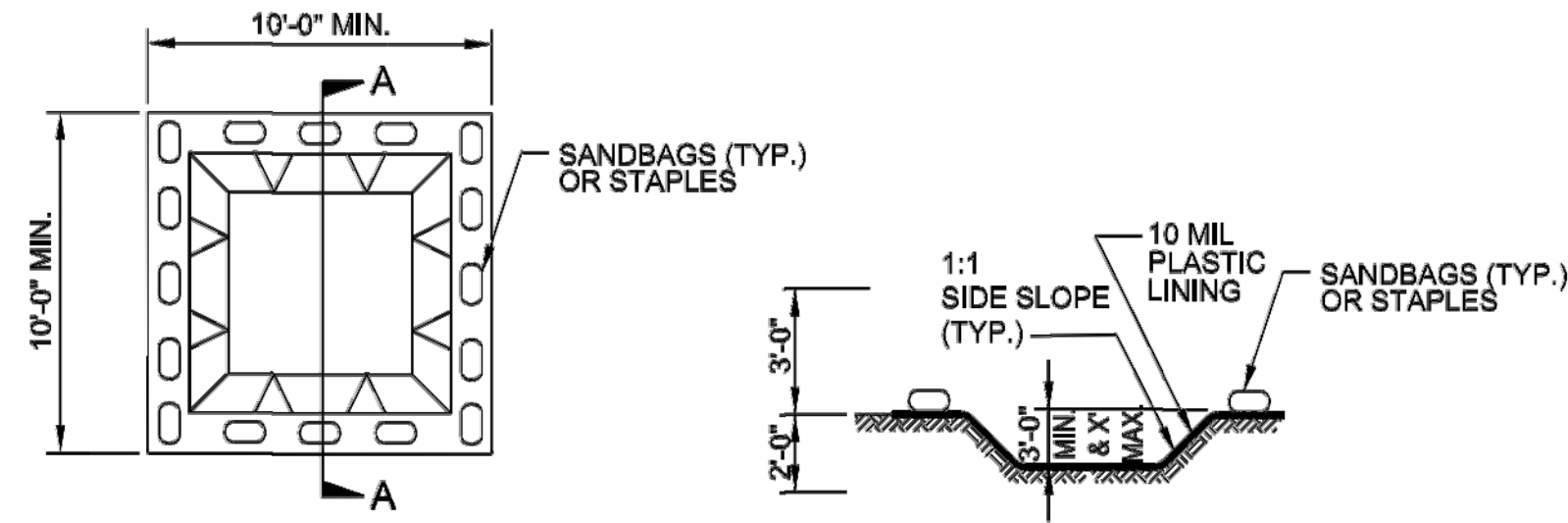
SPACING BETWEEN CHECK DAMS

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



Cd STONE CHECK DAM 2
N.T.S.

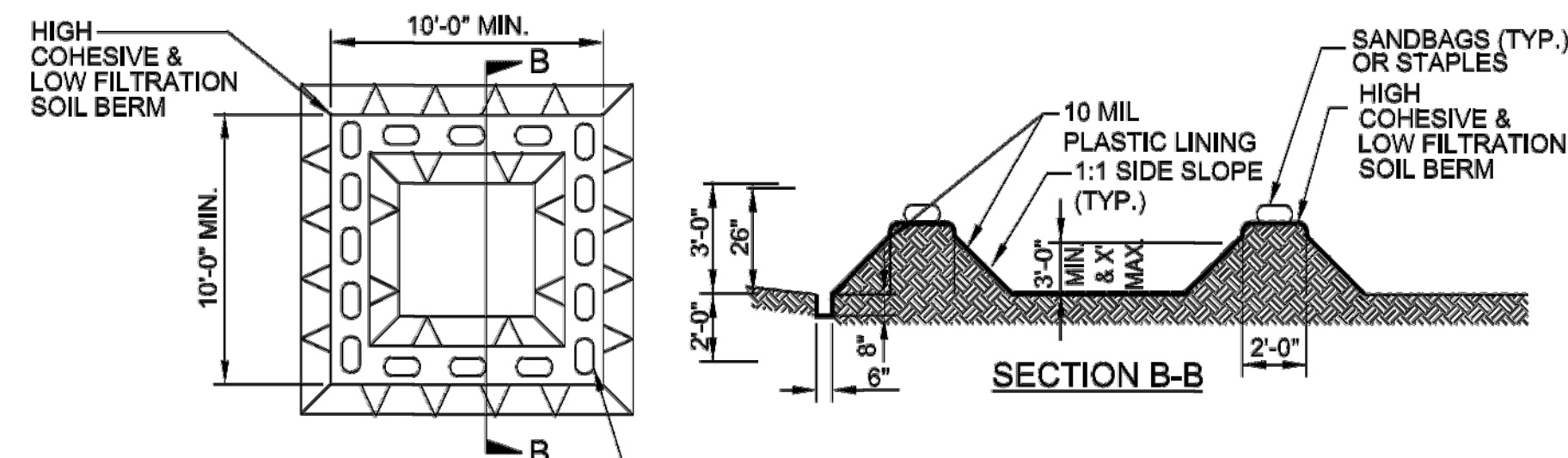
ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



- SECTION A-A
- NOTES:
- ACTUAL LOCATION DETERMINED IN FIELD
 - THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.
 - CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE



- SECTION B-B
- NOTES:
- ACTUAL LOCATION DETERMINED IN FIELD
 - THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 - CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

CONCRETE WASHOUT AREA
N.T.S.



DATE	DESCRIPTION	MARK	DATE	APPR.
1/31/2019				
100% SUBMITTAL				

DESIGNED BY: DMJ	DATE: 1/31/2019	DESIGN NO.: 7383-E	FILE NUMBER:	PILOT DATE:
DRAWN BY: JJC	CKD BY: SM	SOLICITATION NO.:	FILE NAME:	PILOT SCALE: AS SHOWN
DATE: 1/31/2019	DATE: 1/31/2019	CONTRACT NO.:	FILE NUMBER:	PILOT SCALE: AS SHOWN
DATE: 1/31/2019	DATE: 1/31/2019	CONTRACT NO.:	FILE NUMBER:	PILOT SCALE: AS SHOWN

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

3000 Parkway Lane
PO Box 30002
Clarkston, GA 30002
Phone: 404-337-7740
Fax: 404-337-7744

POND
POND PROJECT No. 1180154

EROSION SEDIMENTATION & POLLUTION CONTROL
PONCE/CHURCH SIDEWALKS
STORMWATER POND
ESPC STANDARD DETAILS

SHEET IDENTIFICATION NUMBER
56-002

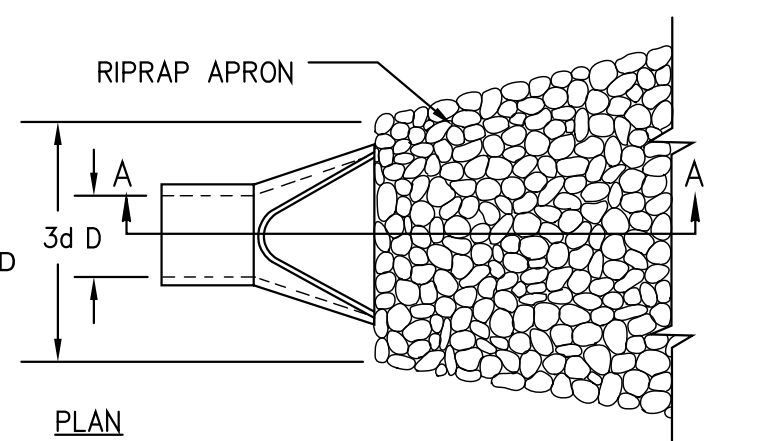
24 HOUR EROSION CONTROL CONTACT:
PRIMARY PERMITTEE
NAME: LARRY KAISER, P.E.
ADDRESS: 945 BANK ST.
CONYERS, GA 30012
PHONE : 404-909-5619

Georgia Soil and Water Conservation Commission

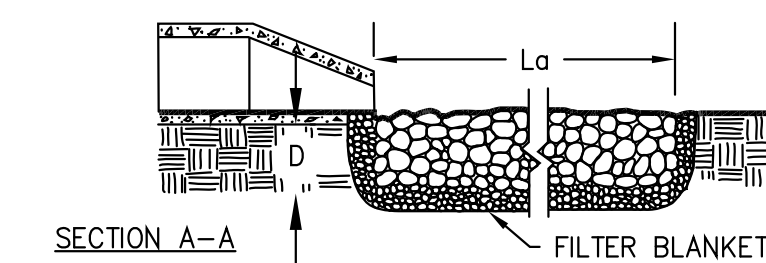
Douglas Munnell
Level II Certified Design Professional

CERTIFICATION NUMBER: 2488
ISSUED: ??/??/2019 EXPIRES: 12/15/2019

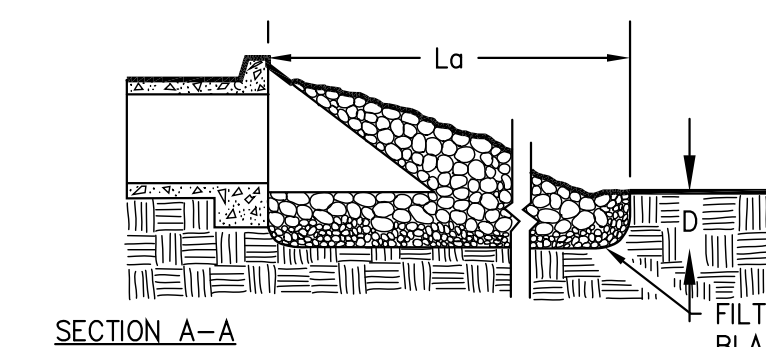
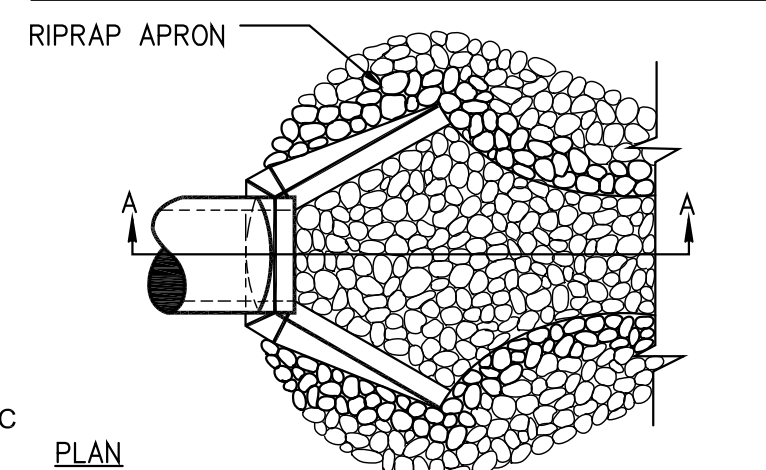
PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



- NOTES:
1. La 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.



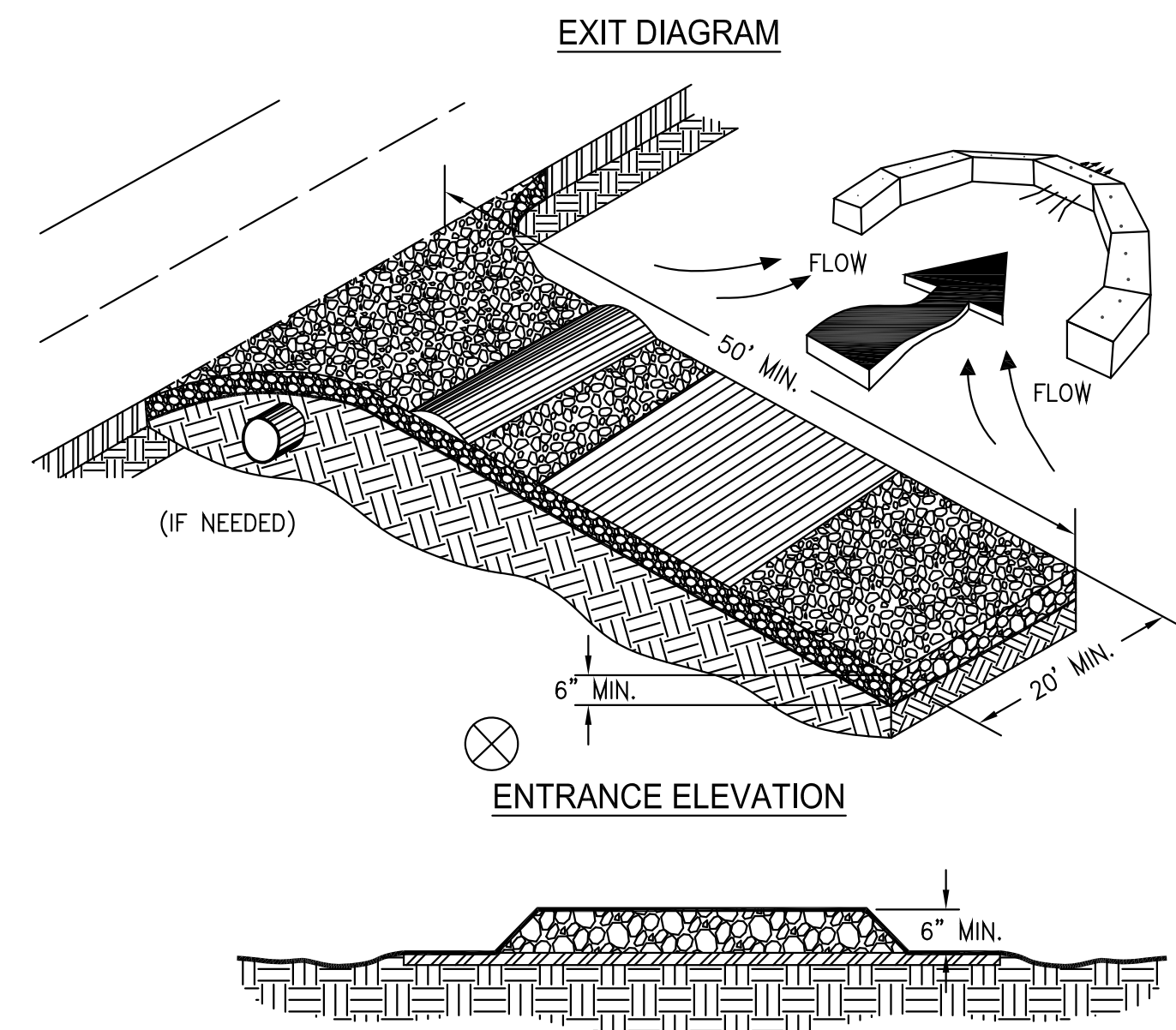
PIPE OUTLET TO WELL DEFINED CHANNEL



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.



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

Co CRUSHED STONE CONSTRUCTION EXIT
N.T.S.

OUTLET PROTECTION St

PIPE ID	25-YR, 24-HR. FLOW (CFS)	VELOCITY (FPS)	T.W. CONDITION	La (FT)	W1 (FT)	W2 (FT)	d50 (IN)	GDOT RIP RAP TYPE	D (IN)
BOONE 24" (WEST)	7		MIN.	13	6	15	5	3	18
BOONE 30" (EAST)	33		MIN.	16	7.5	18.5	6	3	18
WALNUT 48"	58	7.7	MIN.	26	12	30	11	1	36
THURMOND 42"	17	9.2	MIN.	22	10.5	25.5	10	1	36

St RIP RAP OUTLET PROTECTION
N.T.S.



DATE	DESCRIPTION	MARK	DATE	APPR.
10/15/2019	100% SUBMITTAL	A		

DESIGNED BY: DMJ	DATE: 10/26/2019
DWN BY: JIC	SOLICITATION NO.: 12205-0019
SET BY: SM	CONTRACT NO.: 7383-E
SUBMITTED BY:	FILE NUMBER:
FILE NAME:	FILE NUMBER:
SIZE: 22" x 34"	PLOT SCALE: AS SHOWN
	PLOT DATE:

CITY OF CLARKSTON
SPOST 4 PEDESTRIAN PROJECT D -
PONCECHURCH SIDEWALK
3800 Peachtree Lane, GA
30092, SUITE 500
Phone: 404-909-5619
Fax: 404-909-5614

POND
POND PROJECT No. 1180164

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

Douglas Munnell
Level II Certified Design Professional

CERTIFICATION NUMBER **2488**
ISSUED: **2/22/2019** EXPIRES: **12/15/2019**

PONCECHURCH SIDEWALKS
EROSION SEDIMENTATION & POLLUTION CONTROL
STORMWATER POND
ESPC STANDARD DETAILS

SHEET IDENTIFICATION NUMBER
56-003

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 10-10-10	1000 lbs./ac. 400 lbs./ac.	30
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/
	Second Maintenance	0-10-10 0-10-10	1000 lbs./ac. 400 lbs./ac.	—
3. Ground covers	First	10-10-10	1300 lbs./ac. 3/	—
	Second Maintenance	10-10-10 10-10-10	1300 lbs./ac. 3/ 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 10-10-10	800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/ 30 lbs./ac.
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac.6/
	Second Maintenance	0-10-10 0-10-10	1000 lbs./ac. 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

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

Species	Broadcast Rates		Resource Area ²	Planting Dates by Resource Area												Remarks	
	Pure Live Seed (PLS) Rate Per Acre ² Per 1000 sqft			J	F	M	A	M	J	J	A	S	O	N	D		
CENTIPEDE <i>Eremochloa ophiuroides</i>	Block sod only		P 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
CROWNVETECH <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 P														

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 ²	Planting Dates by Resource Area												Remarks	
	Pure Live Seed (PLS) Rate Per Acre ² Per 1000 sqft			J	F	M	A	M	J	J	A	S	O	N	D		
FESCUE, TALL <i>Festuca arundinacea</i>																	
alone	50 lbs	1.1 lb	M-L 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.
with other perennials LESPEDEZA SERICEA <i>Lespedeza cuneata</i>	30 lbs	0.7 lb															
scarified	60 lbs	1.4 lb	M-L P C														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.
unscarified	75 lbs	1.7 lb	M-L P C														Mix with Tall fescue or winter annuals.
seed-bearing hay	3 tons	1338 lbs	M-L P C														Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.

Ds3 STABILIZATION WITH PERMANENT VEGETATION

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

Douglas Munnell
 Level II Certified Design Professional

CERTIFICATION NUMBER **2488**
 ISSUED: **2/22/2019** EXPIRES: **12/15/2019**



100% SUBMITTAL	10/12/2019	DATE	APPR.
MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: DBU
 DATE: 10/12/2019
 DWG BY: JC
 SPT
 CHECKED BY: SPT
 SUBMITTED BY: 7583-E
 FILE NAME:
 SIZE: 22 x 34"
 PLOT SCALE: AS SHOWN
 PLOT DATE:

CITY OF CLARKSTON
 SPLASH & PEDESTRIAN PROJECT D -
 PONCE/CHURCH SIDEWALK

3500 Parkway Lane
 Peachtree Corners, GA
 30092-5745
 POND PROJECT No. 1190154 Fax: 678.338.7744

POND

PONCE/CHURCH SIDEWALKS
 EROSION SEDIMENTATION & POLLUTION CONTROL

STORMWATER POND
 ESC Std. Details - Vegetative

SHEET IDENTIFICATION NUMBER
56-004

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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 ³	Planting Dates by Resource Area												Remarks
				Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.												
	Rate Per Acre ²	Pure Live Seed (PLS) Per 1000 sqft		J	F	M	A	M	J	J	A	S	O	N	D	
MILLET, PEARL <i>Pennisetum glaucum</i>	50 lbs	1.1 lbs	M-L P C													88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS <i>Avena sativa</i>	4 bu. (128 lbs) 1 bu. (32 lbs)	2.9 lbs 0.7 lb	M-L P C													13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
RYE <i>Secale cereale</i>	3 bu. (188 lbs) 1/2 bu. (28 lbs)	3.9 lbs 0.6 lb	M-L P C													18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
RYEGRASS, ANNUAL <i>Lolium temulentum</i>	40 lbs	0.9 lb	M-L P C													227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
SUDANGRASS <i>Sorghum sudanese</i>	60 lbs	1.4 lbs	M-L P 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 CROPS¹

Species	Broadcast Rates		Resource Area ³	Planting Dates by Resource Area												Remarks
				Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.												
	Rate Per Acre ²	Pure Live Seed (PLS) Per 1000 sqft		J	F	M	A	M	J	J	A	S	O	N	D	
BARLEY <i>Hordeum vulgare</i>	3 bu. (144 lbs) 1/2 bu. (24lbs)	3.3 lbs 0.6 lb	M-L P C													14,000 seed per pound. Winter hardy. Use on productive soils.
LESPEDEZA, ANNUAL <i>Lespedeza striata</i>	40 lbs 10 lbs	0.9 lb 0.2 lb	M-L P C													200,000 seed per pound. May volunteer for several years. Use inoculant EL.
LOVEGRASS, WEEPING <i>Eragrostis curvula</i>	4 lbs 2 lbs	0.1 lb 0.05 lb	M-L P C													1,500,000 seed per pound. May last for several years. Mix with <i>Sericea lespedeza</i> .
MILLET, BROWNTOP <i>Panicum fasciculatum</i>	40 lbs 10 lbs	0.9 lb 0.2 lb	M-L P 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 ³	Planting Dates by Resource Area												Remarks
				Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.												
	Rate Per Acre ²	Pure Live Seed (PLS) Per 1000 sqft		J	F	M	A	M	J	J	A	S	O	N	D	
TRITICALE <i>X-Triticosecale</i>	3 bu. (144 lbs) 1/2 bu. (24 lbs)	3.3 lbs 0.6 lb	C													Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
WHEAT <i>Triticum aestivum</i>	3 bu. (180 lbs) 1/2 bu. (30 lbs)	4.1 lbs 0.7 lb	M-L P C													15,000 seed per pound. Winter hardy.

¹Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily
²Reduce seeding rates by 50% when drilled.
³W-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

Douglas Munnell
 Level II Certified Design Professional

CERTIFICATION NUMBER **2488**
 ISSUED: **??/??/2019** EXPIRES: **12/15/2019**

CITY OF CLARKSTON
 5000 Parkway Lane, Clarkston, GA 30052, PHONE 678.337.7740, FAX 678.337.7744

DESIGNED BY: DMU DATE: 02/26/2019
 DRAWN BY: JJC C/D BY: SM DATE: 02/26/2019
 SUBMITTED BY: CONTRACT NO.: 7383-E
 FILE NAME: FILE NUMBER:
 SIZE: 22" x 34" PLOT SCALE: AS SHOWN PLOT DATE:

10/12/2019 100% SUBMITTAL A MARK

SEAL

APPR. DATE DESCRIPTION

CITY OF CLARKSTON
 SPOCST-4 PEDESTRIAN PROJECT D - PONCE/CHURCH SIDEWALK
POND
 POND PROJECT No.: 1180154

EROSION SEDIMENTATION & POLLUTION CONTROL
STORMWATER POND
 ESPC Std. Details - Vegetative

SHEET IDENTIFICATION NUMBER
56-005

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