SANDY SPRINGS™
GEORGIA

**ADDENDUM NUMBER 1**

**INVITATION TO BID #19-008**

**Sandy Springs Circle Streetscapes from Hammond Drive to Mt. Vernon Highway Project**

**Question: The plans have missing pages/incomplete information this is vital to understanding the project. When will an updated version be available?**

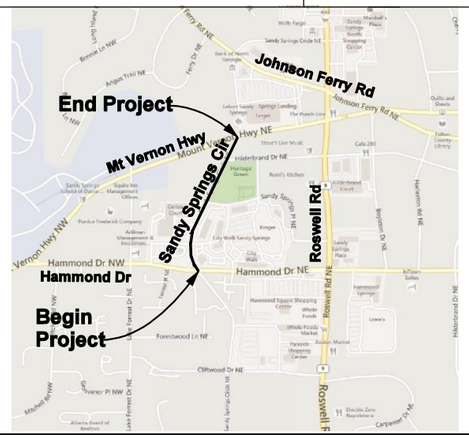
**Answer: the updated plans have been attached to the solicitation announcement and this addendum.**

I hereby acknowledge receipt of Addendum Number 1 for Invitation to Bid #19-008 Sandy Springs Circle Streetscapes from Hammond Drive to Mt. Vernon Highway Project. I have incorporated the necessary changes into my response for the abovementioned Invitation to Bid.

COMPANY NAME_____
CONTACT PERSON: _____
ADDRESS: _____CITY: _____
STATE: _____ ZIP: _____
PHONE: _____ EMAIL ADDRESS_____

SIGNATURE: _____DATE: _____

End Addendum Number 1
ITB #19-008




LOCATION SKETCH

# CITY OF SANDY SPRINGS
# DEPARTMENT OF PUBLIC WORKS

## PLAN AND PROFILE OF PROPOSED
## SANDY SPRINGS CIRCLE STREETSCAPE
## HAMMOND DRIVE TO MT. VERNON HWY.

CITY OF SANDY SPRINGS
FULTON COUNTY

FEDERAL ROUTE # N/A
STATE ROUTE # N/A
P.I. 0010385

CITY OF SANDY SPRINGS

MAYOR, RUSTY PAUL
CITY COUNCIL DISTRICT 1: JOHN PAULSON
CITY COUNCIL DISTRICT 2: KEN DISHMAN
CITY COUNCIL DISTRICT 3: CHRIS BURNETT
CITY COUNCIL DISTRICT 4: GABRIEL STERLING
CITY COUNCIL DISTRICT 5: TIBERIO "TIBBY" DEJULIO
CITY COUNCIL DISTRICT 6: ANDY BAUMAN
PUBLIC WORKS DIRECTOR: GARRIN COLEMAN

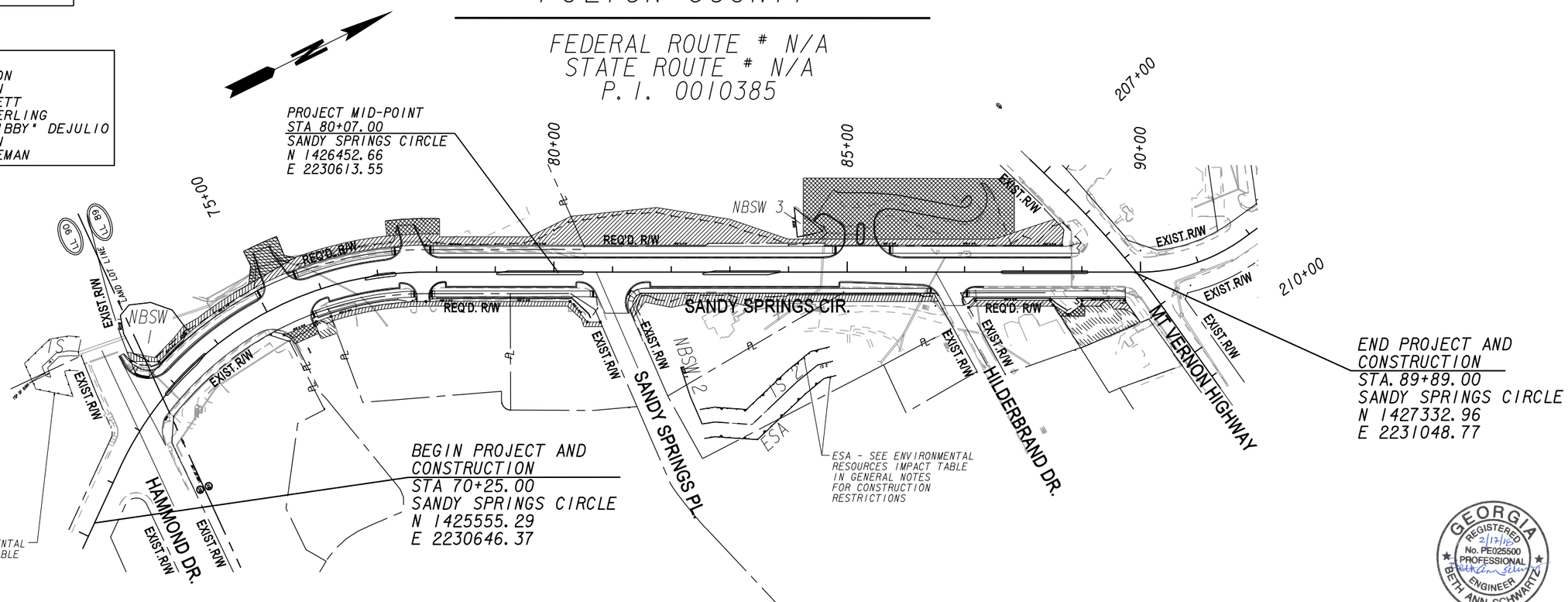
LOCATION & DESIGN APPROVAL DATE: 9-23-2015

FUNCTIONAL CLASS:
URBAN COLLECTOR

THIS PROJECT IS 100% IN FULTON COUNTY AND IS 100% IN CONG. DIST. NO. 6.

PROJECT DESIGNATION: EXEMPT

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




SCALE IN FEET
0 100 200 400

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

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

| LENGTH OF PROJECT | COUNTY No. 121 Project No. 0010385 |
|---|---|
| COUNTY:FULTON | MILES |
| NET LENGTH OF ROADWAY | 0.370 |
| NET LENGTH OF BRIDGES | 0.000 |
| NET LENGTH OF PROJECT | 0.370 |
| NET LENGTH OF EXCEPTIONS | 0.000 |
| GROSS LENGTH OF PROJECT | 0.370 |

SANDY SPRINGS
GEORGIA

Michael Baker
INTERNATIONAL

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE025500 BETH ANN SCHWARTZ 2/17/18

| PLANS COMPLETED 02-17-2018 | |
|---|---|
| REVISIONS | |

| SHEET NO. | DWG NO. | DESCRIPTION |
|---|---|---|
| | | CONSTRUCTION PLANS AND DETAILS |
| 1 | 01-001 | COVER SHEET |
| 2-3 | 02-001 TO 02-002 | INDEX OF DRAWINGS |
| 4 | 03-001 | REVISION SUMMARY |
| 5-6 | 04-001 TO 04-002 | GENERAL NOTES |
| 7-18 | 05-001 TO 05-012 | TYPICAL SECTIONS |
| 19-23 | 06-001 TO 06-005 | SUMMARY OF QUANITITES |
| 24-29 | 10-001 TO 10-006 | TRAFFIC DIAGRAMS |
| 30 | 11-001 | CONSTRUCTION LAYOUT SHEET |
| 31-34 | 13-001 TO 13-004 | MAINLINE PLAN |
| 35 | 15-001 | MAINLINE PROFILE |
| 36-39 | 17-001 TO 17-004 | DRIVEWAY PROFILES |
| 40 | 18-001 | SPECIAL GRADING PLAN |
| 41 | 21-001 | DRAINAGE AREA MAP |
| 42-43 | 22-001 TO 22-002 | DRAINAGE PROFILES |
| 44-52 | 23-001 TO 23-009 | CROSS SECTIONS |
| 53-57 | 24-000 TO 24-004 | UTILITY PLANS |
| 58-67 | 25-001 TO 25-010 | LIGHTING PLANS AND DETAILS |
| 68-71 | 26-001 TO 26-004 | SIGNING AND MARKING PLANS |
| 72-76 | 29-001 TO 29-005 | LANDSCAPING PLANS AND DETAILS |
| 77-80 | 31-001 TO 31-004 | WALL ENVELOPES |
| 81-85 | 32-001 TO 32-005 | PARAPET WALL |
| 86-96 | 44-001 TO 44-011 | UTILITY RELOCATION PLANS |
| | | |
| | | EROSION, SEDIMENT, & POLLUTION CONTROL PLANS AND DETAILS |
| 97 | 50-001 | EROSION CONTROL COVER |
| 98-100 | 51-001 TO 51-003 | EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN GENERAL NOTES |
| 101 | 52-001 | EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 1 OF 7) REVISION DATE 3/2/2017 |
| 102 | 52-002 | EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 2 OF 7) REVISION DATE 11/28/2018 |
| 103 | 52-003 | EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 3 OF 7) REVISION DATE 3/2/2017 |
| 104 | 52-004 | EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 4 OF 7) REVISION DATE 3/2/2017 |
| 105 | 52-005 | EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 5 OF 7) REVISION DATE 3/2/2017 |
| 106 | 52-006 | EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 6 OF 7) REVISION DATE 11/28/2018 |
| 1-7 | 52-007 | EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 7 OF 7) REVISION DATE 3/2/2017 |
| 1-8 | 53-001 | DRAINAGE AREA MAP |
| 109-116 | 54-001 TO 54-008 | EROSION CONTROL PLANS |
| 117 | 55-001 | EROSION CONTROL WATERSHED MAP & SITE MONITORING LOCATION |
| | | |
| DETAIL | | GEORGIA DEPARTMENT OF TRANSPORTATION EROSION CONTROL CONSTRUCTION DETAILS REV. DATE |
| 118 D-20 | 56-001 | SILT CONTROL GATES FOR STRUCTURES TYPE 1, 2, AND 3 4-16 |
| 119 D-24A | 56-002 | TEMPORARY SILT FENCE (SHEET 1 OF 4) 1-11 |
| 120 D-24B | 56-003 | TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER 1-11 |
| | | (SHEET 2 OF 4) |
| 121 D-24C | 56-004 | TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4) 1-11 |
| 122 D-24D | 56-005 | TEMPORARY SILT FENCE FABRIC CHECK DAM (SHEET 4 OF 4) 7-15 |
| 123 D-35 | 56-006 | PERMANENT SOIL REINFORCING MAT (TURF REINFORCING MAT) INSTALLATION 1-11 |
| | | ON DITCHES |
| 124 D-41 | 56-007 | CONSTRUCTION EXIT 4-18 |
| 125 D-42 | 56-008 | INLET SEDIMENT TRAPS 5-08 |
| | | |
| 126-134 | 60-001 TO 60-009 | RIGHT OF WAY PLANS |

| SHEET NO. | DWG NO. | DESCRIPTION |
|---|---|---|
| | | |
| | | GEORGIA DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAILS (NOT INCLUDED IN PLANS) |
| DETAIL | REVISION DATE | |
| A-1 | 7-11 | DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS |
| A-2 | 7-11 | CONCRETE VALLEY GUTTER AT STREET INTERSECTION, 6" OR 8" CONCRETE VALLEY GUTTER |
| | | AT DRIVE, PLACING PAVEMENT ADJACENT TO GUTTER, ADDITIONAL PAVING AT STREET |
| | | INTERSECTION, 4' CORRUGATED CONCRETE MEDIAN |
| A-3 | 9-16 | THIS DETAIL REPLACES GA STANDARD 9031W: SPECIAL DETAILS - CONCRETE SIDEWALK |
| | | DETAILS CURB CUT (WHEELCHAIR) RAMPS |
| A-4 | 6-09 | DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS |
| D-19 | 2-00 | TEMPORARY PIPE SLOPE DRAIN WITH DRAIN INLET |
| D-54 | 4-16 | SOD INSTALLATION |
| PW-1 | 12-16 | PARAPET RETAINING WALL, P1, P2 AND P3 |
| T-01 | 1-00 | SIGN PLATES |
| T-02 | 3-00 | DETAILS FOR TYPICAL FRAMING |
| T-03A | 7-02 | TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL |
| T-03B | 7-02 | DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT) |
| T-05A | 1-03 | DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2) |
| T-05B | 1-00 | DETAILS OF REGULATORY SIGNS (SHEET 2 OF 2) |
| T-05C | 1-00 | DETAILS OF WARNING SIGNS |
| T-11A | 9-16 | DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY |
| T-12A | 1-00 | DETAILS OF PAVEMENT MARKING ARROW LOCATION |
| T-12B | 4-00 | DETAILS OF PAVEMENT MARKINGS- ARROWS |
| T-13A | 9-16 | DETAILS OF PAVEMENT MARKING WORDS (SHEET 1 OF 2) |
| T-13B | 9-16 | DETAILS OF PAVEMENT MARKING WORDS (SHEET 2 OF 2) |
| T-13C | 9-16 | DETAILS OF PAVEMENT MARKING WORDS PLACEMENT (SHEET 3 OF 3) |
| T-14 | 11-08 | DETAILS OF PAVEMENT MARKING HATCHING |
| T-15A | 9-16 | DETAILS OF RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY |
| T-15C | 09-11 | DETAILS OF RAISED PAVEMENT MARKERS |
| T-20 | 10-08 | TRAFFIC CONTROL PEDESTRIAN ACCESSIBILITY AROUND WORKZONE - SIDEWALK DIVERSION |
| T-21 | 10-08 | TRAFFIC CONTROL PEDESTRIAN ACCESSIBILITY AROUND WORKZONE - SIDEWALK DETOUR |
| T-22 | 10-08 | TRAFFIC CONTROL PEDESTRIAN ACCESSIBILITY AROUND WORKZONE-MIDBLOCK CROSSING & SIDEWALK DETOUR |

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

INDEX

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 02-001

| SHEET NO. | DWG NO. | DESCRIPTION |
|---|---|---|
| | | GEORGIA DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS (NOT INCLUDED IN PLANS) |
| STANDARD | REVISION DATE | |
| 1011A | 10-81 | BRICK MANHOLES |
| 1011AP | 6-75 | PRECAST REINFORCED CONCRETE MANHOLE |
| 1019A | 8-99 | DROP INLETS |
| 1019AP | 8-99 | PRECAST DROP INLETS |
| 1030D | 9-01 | CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3 |
| 1030D | 9-01 | CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3 |
| 1030D | 9-01 | CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3 |
| 1033B | 2-98 | CATCH BASINS (MAX. PIPE CONN. 18" MAY BE USED IN 4' MEDIAN) |
| 1033D | 8-82 | CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER) |
| 1033DP | 9-82 | PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" PRECAST HT. CURB AND GUTTER) |
| 1033F | 8-82 | CATCH BASINS (FOR USE WITH HEADER OR INTEGRAL CURBS, 4", 6", 8", OR 10" HT.) |
| 1033FP | 9-82 | PRECAST CATCH BASINS (FOR USE WITH HEADER OR PRECAST INTEGRAL CURBS, 4",6" 8" OR 10" HT.) |
| 1034D | 8-82 | CATCH BASINS (FOR USE WITH 6" OR 8" CURB AND GUTTER IN SAGS OR LOW POINTS) |
| 1034DP | 9-82 | PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" CURB AND GUTTER IN SAGS OR LOW POINTS) |
| 1034F | 8-82 | CATCH BASINS (FOR USE WITH 4", 6", 8" OR 10" HT. HEADER OR INTEGRAL CURBS (IN SAGS OR |
| | | OR LOW POINTS) |
| 1034FP | 9-82 | PRECAST CATCH BASINS (FOR USE WITH 4", 6", 8" OR 10" HT. HEADER OR INTEGRAL CURBS (IN |
| | | SAGS OR LOW POINTS) |
| 1035 | 11-99 | DRAIN INLET (ELBOW TYPE) |
| 1401 | 8-99 | PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS |
| | | EXISTING PAVEMENT) |
| 9003 | 4-06 | FEDERAL AID AND STATE PROJECT MARKERS; RIGHT OF WAY MARKERS; COUNTY LINE MARKER |
| 9029B | 8-83 | PERFORATED UNDERDRAIN |
| 9031L | 9-16 | GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, & TYPICAL PIPE PLUG (SHEET 1 OF 2) |
| 9031L | 6-98 | DETAILS OF: CATCH BASIN MODIFIED FOR DOUBLE GRATE, DROP INLET MODIFIED FOR DOUBLE |
| | | GRATE, CONCRETE SPRING BOX, CONCRETE STEPS, CATCH BASIN OR DROP INLET CONNECTION TO |
| | | CONCRETE BOX, CULVERT CAPPING EXISTING DROP INLET |
| 9031R | 10-88 | PLACING ROOF DRAIN PIPE UNDER SIDEWALK - RAMP TYPE BARRICADE - PIPE HANDRAIL FOR |
| | | RETAINING WALL,PIPE HANDRAIL FOR CONCRETE STEPS |
| 9031U | 7-85 | JUNCTION BOXES (PRECAST OR BUILT-IN-PLACE) PIPE COLLARS, PIPE ELBOW & PIPE CURVED ALIGNMENT |
| 9032B | 11-11 | CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS |
| 9039 | 3-06 | PERMANENT TIMBER TYPE BARRICADE |
| 9100 | 3-06 | TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS |
| 9102 | 3-06 | TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY |
| 9107 | 3-06 | TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON MULTI-LANE UNDIVIDED HIGHWAY |

| SHEET NO. | DWG NO. | DESCRIPTION |
|---|---|---|

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# INDEX

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 02-002

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA | 0010385 | 4 | 134 |

| DATE | SHEET NO. | REVISION |
|---|---|---|

| DATE | SHEET NO. | REVISION |
|---|---|---|

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

REVISION SUMMARY

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 03-001

## PROJECT GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION AND THE CITY OF SANDY SPRINGS ORDINANCES.

2. SUE LEVEL B WAS THE METHOD USED FOR UTILITY LOCATION.

3. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

   SOUTHERN GAS (ATLANTA GAS LIGHT COMPANY)
   GAS

   AT&T
   TELEPHONE

   GEORGIA POWER COMPANY
   ELECTRIC

   CITY OF ATLANTA WATER
   WATER

   FULTON COUNTY WATER AND SEWER
   WATER & SEWER

   CITY OF SANDY SPRINGS
   FIBER

   COMCAST CABLE
   CABLE TELEVISION

   ZAYO
   FIBER OPTIC

4. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS AND SECTION 103-73 OF THE CITY OF SANDY SPRINGS CODE OF ORDINANCES.

5. RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.

6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.

7. PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER. CONTRACTOR TO NOTIFY THE CITY REPRESENTATIVE IMMEDIATELY UPON DISCOVERY OF SUCH MATERIAL.

8. STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER.

9. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.

10. ALL EXISTING PIPES AND DRAINAGE STRUCTURES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. REMOVAL OF PIPE SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

11. IN AREAS WHERE NEW PAVEMENT OR PAVEMENT WIDENING IS REQUIRED, SAW CUT OF EXISTING PAVEMENT WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

12. ALL DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL DRIVEWAYS TO BE CONSTRUCTED SHALL BE REPLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE ETC. ANY OTHER DRIVEWAY MATERIAL OR SPECIALIZED DRIVEWAY WILL NOT BE REPLACED IN KIND (I.E. PAVERS) AND WILL BE REPLACED WITH ASPHALT OR CONCRETE. ALL EARTH OR GRAVEL DRIVES SHALL BE PAVED WITH ASPHALT TO THE RIGHT-OF-WAY LIMIT OR TIE-IN POINT. DRIVEWAYS SHALL BE PAVED AS FOLLOWS:

    ASPHALTIC DRIVES
    RESIDENTIAL - 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
    - 10" GRADED AGGREGATE BASE, INCL MATL

    COMMERCIAL - 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
    - 2" ASPH. CONC. 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (@ 220 LB/SY)
    - 4" ASPH. CONC. 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (@ 440 LB/SY)
    - 10" GRADED AGGREGATE BASE, INCL MATL

    CONCRETE DRIVES
    RESIDENTIAL - 6" CONCRETE VALLEY GUTTER
    - 4" CONCRETE DRIVEWAY

    COMMERCIAL - 8" CONCRETE VALLEY GUTTER
    - 6" CONCRETE DRIVEWAY

13. PRICE BID FOR TRAFFIC CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, AGGREGATE SURFACE COURSE, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNAGE, PAVEMENT MARKINGS, BARRICADES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, OR AS DIRECTED BY THE ENGINEER.

14. NO SEPARATE PAYMENT WILL BE MADE FOR PAVEMENT, GRADING OR ANY OTHER OPERATIONS REQUIRED FOR DETOUR CONSTRUCTION IF REQUIRED BY THE CITY AND SHALL BE INCLUDED IN PRICE BID FOR "TRAFFIC CONTROL".

15. ALL CUT AND FILL SLOPES SHALL BE GRASSED IMMEDIATELY AFTER SLOPES ARE STABILIZED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, STRAW MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.

16. REPLACEMENT GRASSING SHALL BE SOD UNLESS OTHERWISE DIRECTED BY THE CITY.

17. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH 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 THE ENGINEER.

18. ALL MARTA SIGNS AND STREET FURNITURE INCLUDING TRASH CANS SHALL BE RESET AND PAYMENT SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

19. ALL FIRE HYDRANTS, WATER VALVES, WATER VALVE BOXES, WATER METERS, AND WATER METER BOXES SHALL BE ADJUSTED TO GRADE AND/OR RELOCATED AS NECESSARY AND PAYMENT SHALL BE INCLUDED IN PAY ITEM FOR GRADING COMPLETE.

20. SPRINKLER SYSTEMS TO BE HANDLED AS FOLLOWS:

    CASE 1 - SYSTEMS WITHIN THE CONSTRUCTION LIMITS OWNED BY INDIVIDUALS OR PRIVATE COMPANIES ARE TO BE REMOVED TO THE BACK OF THE CONSTRUCTION LIMITS AND PLUGGED.

    CASE 2 - SYSTEMS SHOWN BY THE PLANS TO BE REMOVED AND RELOCATED SHALL BE RELOCATED TO THE BACK OF THE SIDEWALK. COST SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

21. LEVEL D PERSONAL PROTECTIVE EQUIPMENT IS RECOMMENDED FOR PARCELS 1, 4 & 5. THERE ARE NO UST'S OR MONITORING WELLS WITHIN ANY EXISTING OR PROPOSED RIGHT-OF-WAY AREAS.

22. 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 STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.

23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LIFE OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON. YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA. ALL COSTS INCURRED FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.

24. AN N.O.I. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 2.31 ACRES.

## PROJECT GENERAL NOTES CONT.:

25. CONTRACTOR IS TO CLEAN OUT ALL EXISTING DRAINAGE STRUCTURES AND PAYMENT TO BE INCLUDED IN GRADING COMPLETE.

26. PAYMENT FOR SIGNS REQUIRED FOR EROSION SEDIMENTATION AND POLLUTION CONTROL (ESPCP) SHALL BE INCLUDED IN TRAFFIC CONTROL.

27. CONTRACTOR TO INSTALL DETECTABLE WARNING STRIPS ON THE APPROVED GDOT QUALIFIED PRODUCT LIST FOR TERRA COTTA FOR DRIVEWAY CROSSING INDICATORS IN LIEU OF THE YELLOW MATS. ALL ADA WHEELCHAIR RAMPS WITHIN THE RADII SHALL BE 8 INCH CONCRETE AND PAID UNDER BID PRICE ITEM FOR 8 INCH CONCRETE SIDEWALK.

28. THERE IS NO KNOWN SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S 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 THE DEPARTMENT.

29. DETECTABLE WARNING STRIPS SHALL BE AS APPROVED ON THE GDOT QUALIFIED PRODUCT LIST FOR TERRA COTTA INSTEAD OF STAMPED CONCRETE. DETECTABLE WARNING STRIPS AT ALL WHEEL CHAIR RAMPS SHALL HAVE A RED TINT WITH AT LEAST A 70% CONTRAST TO THE COLOR OF THE CONCRETE RAMP.

30. CONTACT KERRY MISSEL WITH THE CITY OF SANDY SPRINGS REGARDING THE RIGHT-OF-WAY DEDICATIONS REQUIRED.

31. THE CONTRACTOR SHALL REMOVE AND RESET ALL HISTORIC AND SANDY SPRINGS SIGNS UNLESS OTHERWISE NOTED AND THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF SANDY SPRINGS FOR STORAGE AND PLACEMENT OF SIGNS. PAYMENT FOR THIS SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

32. ALL SIGNS OR SIGN/LIGHT ASSEMBLIES TO BE RESET OR RELOCATED SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE"

33. PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION. SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTOR SHALL SUBMIT A SHORING PLAN STAMPED BY A GEORGIA PROFESSIONAL ENGINEER. THE SHORING PLAN MUST BE ACCEPTED BY THE CITY OF SANDY SPRINGS PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR CONDITION OF ALL EXISTING WALLS DURING AND AFTER CONSTRUCTION. PAYMENT FOR SHORING TO BE INCLUDED IN THE UNIT PRICE FOR GRADING COMPLETE AND INCLUDE ALL NECESSARY AND ASSOCIATED ITEMS. ANY SHORING REQUIRED SHALL BE DESIGNED BY A GEORGIA PROFESSIONAL ENGINEER AND SUBMITTED TO THE CITY OF SANDY SPRINGS FOR APPROVAL, PRIOR TO THE COMMENCEMENT OF THE SHORING WORK

34. WHEEL STOPS TO BE INSTALLED IN PARKING SPACES ON PARCEL 5 AND INCLUDED IN THE UNIT PRICE FOR GRADING COMPLETE. CONTRACTOR TO COORDINATE WITH CITY OF SANDY SPRINGS PRIOR TO INSTALLATION.

35. THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION RELATED ACTIVITIES (SUCH AS THE USE OF STAGING, EASEMENT, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, TRAILER PLACEMENT, ETC.) OCCUR UNDER THE DRIP LINE OF DESIRED TREES THAT WILL REMAIN IN THE ROW. THIS DOES NOT APPLY TO TREES WITHIN THE CONSTRUCTION LIMITS OR LIMITS OF DISTURBANCE THAT WILL BE REMOVED OR DESTROYED TO ALLOW FOR CONSTRUCTION.

36. FOR DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) OR DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION), DO NOT USE ANY SPECIES OR CULTIVARS OF SPECIES THAT ARE ON THE GDOT LIST OF NON-NATIVE INVASIVE PLANTS (6755-9, TABLE 5.1), OR THE GEORGIA EXOTIC PEST PLANT COUNCIL'S NON-NATIVE INVASIVE LIST IN CATEGORY 1, 2, OR 3. CATEGORY 4 PLANTS SHOULD BE AVOIDED IF POSSIBLE.

37 CONTRACTOR TO COORDINATE WITH CITY OF SANDY SPRINGS FOR PLACEMENT OF ORANGE BARRIER FENCE TREE PROTECTION FENCE (OBF) SHOULD BE PLACED ALONG THE ENTIRE OUTSIDE EDGE OF THE CRITICAL ROOT ZONE OR ZONES OF ALL TREES TO BE SAVED WHERE THE CRITICAL ROOT ZONE FALLS WITHIN THE RIGHT OF WAY. IF GRADING, DEMOLITION, UTILITY WORK, OR OTHER CONSTRUCTION IS TO BE DONE WITHIN THE CRITICAL ROOT ZONE OF A TREE TO BE SAVED, THE TREE PROTECTION FENCE SHOULD ENCLOSE AS MUCH OF THE CRITICAL ROOT ZONE ON THE RIGHT OF WAY AS POSSIBLE. PAYMENT FOR OBF TO INCLUDED UNDER GRADING COMPLETE PAY ITEM AND TO BE USED AT THE DIRECTION OF CITY OF SANDY SPRINGS. OBF SHOWN ON THE PLANS IS FOR INFORMATION PURPOSE ONLY.

38. CONTRACTOR TO REMOVE AND RESET ALL SIGNAL EQUIPMENT, CAMERAS, AND VEHICLE APPROACHING WARNINGS ALONG WITH ALL NECESSARY ITEMS AS NEEDED WITH APPROVAL AND COORDINATION BY THE CITY OF SANDY SPRINGS. PAYMENT TO BE INCLUDED UNDER GRADING COMPLETE PAY ITEM.

39. CONTRACTOR TO STAKE CURB LAYOUT, PARKING LAYOUT, TREES AND LIGHTS PRIOR TO CONSTRUCTION FOR APPROVAL BY THE CITY. PAYMENT FOR STAKING TO BE INCLUDED IN GRADING COMPLETE.

40. CONTRACTOR TO COORDINATE WITH CITY OF SANDY SPRINGS REGARDING REMOVAL AND RESETTING OF POWER PEDESTALS ALONG HERITAGE GREEN. PAYMENT TO BE INCLUDED UNDER GRADING COMPLETE.

41. GRADE BERM ALONG WALL H AND HAVE CITY OF SANDY SPRINGS APPROVAL FOR LOCATION. PAYMENT FOR THIS WORK TO BE INCLUDED IN GRADING COMPLETE.

42. ANY ORANGE BARRIER FENCE (OBF) REQUIRED FOR THE PROJECT TO BE INCLUDED IN THE PAY ITEM FOR GRADING COMPLETE.

| pH | 6 |
|---|---|
| Resistivity | 10000 |

**Project Number:** **County:** Fulton **P.I. Number:** 0010385'

### Pipe Culvert Material Alternates

| TYPE OF INSTALLATION | | | CONCRETE: REINFORCED CONCRETE AASHTO M-170 | STEEL: CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36 | STEEL: CORRUGATED STEEL PLAIN ZINC COATED AASHTO M-36 | STEEL: POLYMER COATED STEEL AASHTO M-245 | ALLUMINUM: CORRUGATED ALUMINUM AASHTO M-196 | THERMOPLASTIC: CORRUGATED HDPE AASHTO M-252 | THERMOPLASTIC: CORRUGATED SMOOTHED LINED HDPE TYPE "S" AASHTO M-294 | THERMOPLASTIC: CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M 330 | THERMOPLASTIC: PVC CORRUGATED SMOOTH INTERIOR ASTM F-949 | THERMOPLASTIC: PVC Profile Wall Drain Pipe AASHTO M-304 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STORM DRAIN | NON-TRAVEL BEARING (OUTSIDE ROADBED) | INTERSTATE | X | | | | | | | | | |
| STORM DRAIN | NON-TRAVEL BEARING (OUTSIDE ROADBED) | NON INTERSTATE | X | X | | X | X | | X | X | X | X |
| STORM DRAIN | TRAVEL BEARING (INSIDE ROADBED), GRADE ≤ 10% | ADT < 1,500 | X | X | | X | X | | X | X | X | X |
| STORM DRAIN | TRAVEL BEARING (INSIDE ROADBED), GRADE ≤ 10% | 1,500 < ADT < 5,000 | X | X | | X | X | | X | X | X | X |
| STORM DRAIN | TRAVEL BEARING (INSIDE ROADBED), GRADE ≤ 10% | 5,000 < ADT < 15,000 | X | | | | | | X | X | X | X |
| STORM DRAIN | TRAVEL BEARING (INSIDE ROADBED), GRADE ≤ 10% | ADT > 15,000 & INTERSTATES | X | | | | | | | | | |
| STORM DRAIN | TRAVEL BEARING (INSIDE ROADBED) | GRADE > 10% | | | | X | | | X | X | X | X |
| SIDE DRAIN | | | X | X | | X | 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 | X |

*NOTES:*

1 Allowable materials are indicated by an "X".

2 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

3 The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.

4 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

## MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".

2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

3. ALL SIGNS SHALL HAVE TYPE IX RETROREFLECTIVE SHEETING UNLESS OTHERWISE NOTED.

4. IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.

5. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED AND STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES.

6. EXISTING PAVEMENT MARKINGS THAT CONFLICT AS DETERMINED BY THE ENGINEER SHALL BE OBLITERATED BY THE CONTRACTOR BY HYDRO-BLASTING AND SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.

7. ONLY REFLECTORIZED PLASTIC DRUMS AND TEMPORARY CONCRETE BARRIERS SHALL BE USED ADJACENT TO TRAVEL LANES PLACED A MINIMUM OF 2 FEET FROM THE EDGE OF THE TRAVEL LANES UNLESS PRIOR APPROVAL IS GRANTED BY THE CITY OF SANDY SPRINGS. TYPE I AND II BARRICADES AND CONES SHALL NOT BE USED.

8. REFLECTIORIZED DRUMS SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. MAXIMUM SPACING EQUALS THE DESIGN SPEED LIMIT FOR THE TAPER.

9. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS NOT TO INTERFERE WITH SIGHT DISTANCES ALONG ANY ADJACENT SIDE ROAD OR DRIVEWAY.

10. THE CITY OF SANDY SPRINGS RESERVES THE RIGHT TO MODIFY THIS MAINTENANCE OF TRAFFIC PLAN AS FIELD CONDITIONS WARRANT. IF ADDITIONAL TRAFFIC CONTROL DEVICES ARE REQUIRED, THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY.

11. ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.

12. INFORMATION SIGNS, INFORMING MOTORISTS OF THE ROAD CLOSURE SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO THE ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE ROAD CLOSURE (SEE SPECIFICATIONS BELOW):

    (ROAD NAME) WILL BE CLOSED/TEMPORARY CLOSED
    STARTING (DATE) - ENDING (DATE)

    THESE SIGNS SHALL BE RETROREFLECTIVE SHEETING ON METAL, 4 INCH BLACK LETTERING ON WHITE BACKGROUND.

13. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY THE CITY OF SANDY SPRINGS BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR "TRAFFIC CONTROL". THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE TO THE ROAD DURING THE CONSTRUCTION OF THE PROJECT WITHOUT APPROVAL BY THE ENGINEER.

14. DURING CONSTRUCTION PAVEMENT SECTIONS SHOULD BE COMPLETED UP TO BINDER LAYER WITH TEMPORARY STRIPING. $1\frac{1}{2}$ INCHES OF 12.5 MM SUPERPAVE WILL BE APPLIED TO THE ENTIRE PROJECT AREA INCLUDING ROSWELL ROAD AND PERMANENT STRIPING WILL BE COMPLETED AT THAT TIME. PAYMENT FOR TEMPORARY STRIPING WILL BE PAID UNDER TRAFFIC CONTROL BID ITEM.

## CITY OF SANDY SPRINGS GENERAL TRANSPORTATION NOTES

1. ALL TRAFFIC CONTROL AND WARNING DEVICES MUST BE SHOWN AND PLACED PER MUTCD. THE TRAFFIC CONTROL PLAN IS SUBJECT TO CHANGE BY THE SANDY SPRINGS TRAFFIC ENGINEER.

2. TEMPORARY TRAFFIC CONTROL AND WARNING DEVICES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF ANY ROAD IMPROVEMENT WORK ON CITY ROADS AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL SIGNING AND STRIPING WORK.

3. ALL SIGNS SHALL CONFORM TO THE MUTCD STANDARDS AND SANDY SPRINGS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.

4. STRIPING (WHITE AND YELLOW) AND ARROW MARKING SHALL BE APPLIED USING GDOT STANDARDS FOR THERMOPLASTIC STRIPING.

5. WHEN NECESSARY, EXISTING STRIPING SHALL BE REMOVED BY HYDROBLASTING UNLESS SPECIFIED BY THE SANDY SPRINGS TRAFFIC ENGINEER.

6. ALL FINAL SIGNAGE MUST BE INSTALLED CONCURRENTLY WITH THE PERFORMANCE OF THE STRIPING WORK.

7. CONTACT THE SANDY SPRINGS TRAFFIC ENGINEER (770-730-5600) ONE WEEK PRIOR TO COMMENCEMENT OF ANY STRIPING WORK.

8. A CITY OF SANDY SPRINGS UTILITY PERMIT IS REQUIRED FOR ANY CONSTRUCTION WITHIN THE ROW. REFER TO THE CITY'S UTILITY PERMIT POLICY FOR REQUIREMENTS.

9. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE AS-BUILT STATUS OF DOWNSTREAM DRAINAGE IMPROVEMENTS PRIOR TO BEGINNING CONSTRUCTION AND ADVISE THE ENGINEER OF ANY DIFFERENCES NOTED BETWEEN FIELD CONDITIONS AND WHAT IS DEPICTED IN THE CONSTRUCTION DOCUMENTS.

10. SAWCUT MUST BE USED IN ANY AREA WHERE NEW PAVEMENT WILL ABUT EXISTING PAVEMENT.

11. NO CLOSURES OF OR ENCROACHMENTS INTO THE PEDESTRIAN, BICYCLE, OR VEHICULAR TRAVEL AREAS SHALL BE DONE WITHOUT PRIOR APPROVAL FROM THE SANDY SPRINGS TRAFFIC ENGINEER. ALL PROPOSED PLANS FOR CLOSURES AND ENCROACHMENTS SHALL BE SUBMITTED AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT.

## CITY OF SANDY SPRINGS UTILITY LOCATION STANDARD

### UTILITY LOCATIONS

| UTILITY | NORTH-WEST | SOUTH-EAST | ALL SIDES | DIST. OFF ROADWAY |
|---|---|---|---|---|
| WATER | YES | | | 4'-6" |
| GAS | | YES | | 3'-0" |
| TELEPHONE | | | YES | 7'-0" |
| POWER | | | YES | 8'-6" |
| TV CABLE | | | YES | 10'-0" |
| LONG DISTANCE FIBER OPTICS | | | YES | 10'-0" |

GEORGIA 811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# GENERAL NOTES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 04-001

## GENERAL NOTES - STANDARD SIGNS

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.
3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY,

4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.

4b. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).

4c. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS MOUNTED BEHIND GUARD RAIL SHALL BE 6 FEET FROM THE FACE OF THE GUARD RAIL TO THE NEARER EDGE OF THE SIGN(S).

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE ⅜ INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.
6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.
7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.
8. TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
9. TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1A, R5-1B).
10. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.
11. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS. ALL REGULATORY SIGNS WITHIN THE SCHOOL ZONE SIGNING SHALL HAVE TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING.
12. A ½ INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.
13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL ⅜ INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.
14. INTERSTATE SHIELDS SHALL CONTAIN THE WORD GEORGIA. ALL INTERSTATE, U.S., AND GEORGIA SHIELDS REQUIRING ALT, BUS, CONN, LOOP, OR SPUR SHALL USE 4 INCH SERIES "D" LETTERS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, FOR DETAILS.
15. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.
16. REFER TO PLAN SHEETS FOR LOCATION OF THE DISTRICT ENGINEERS' OFFICE TO BE SHOWN ON ALL R552-1 (LIMITED ACCESS) SIGNS IN THIS PROJECT, IF ANY.
17. THE CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER OR THE CITY OF SANDY SPRINGS, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

## SIGNING AND PAVEMENT MARKING GENERAL NOTES

1 ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE SPECIFIC ITEM.

2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD), LATEST EDITION, AND ANY APPLICABLE CITY OF SANDY SPRINGS STANDARDS.
3. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
4. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS.

## SIGNING AND PAVEMENT MARKING GENERAL NOTES (CONT.)

5. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
6. ALL SIGNS SHALL HAVE TYPE IX RETROREFLECTIVE SHEETING EXCEPT SCHOOL RELATED SIGNS, WITH THEIR REQUIRED PLAQUES AND ADVISORY NAME BLADES, WHICH SHALL HAVE FLORESCENT YELLOW/GREEN COLOR AND TYPE IX SHEETING.
7. ALL SIGNS SHALL BE ON 5052-H38 FLAT ALUMINUM ALLOY (0.080 GAUGE THICKNESS) WITH ROUNDED CORNERS. ALL SIGNS SHALL MEET OR EXCEED ASTM D 4956 SPECIFICATIONS FOR RETROREFLECTIVITY . SIGN COLORS SHALL BE MATCHED VISUALLY AND BE WITHIN THE COLOR TOLERANCE LIMITS SHOWN ON THE APPROPRIATE HIGHWAY COLOR TOLERANCE CHARTS ISSUED BY THE FHWA UTILIZING THE INSTRUCTIONS THEREON.
8. UNLESS OTHERWISE NOTED, SIGN POSTS SHALL BE 2 INCH SQUARE POSTS SET IN 2.5 INCH SQUARE STUBS. THE POST SHALL BE BLACK WEATHER RESISTANT, RUST INHIBITIVE, HIGH QUALITY POWDER COATED ENAMEL. STANDARD INSTALLATION DEPTH IS 2 FEET. WHERE STREET BLADES (D3'S) ARE SPECIFIED ABOVE STOP SIGNS (R1-1'S) THESE BLADES SHALL BE ATTACHED TO THE POST USING VULCAN VS-12 BOLT-THRU CAPS AND CROSSES (OR THEIR EQUIVALENT).
9. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS OF THE MUTCD, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM THE CITY OF SANDY SPRINGS.
10. IN RESIDENTIAL AREAS, SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/ POSTS/ STUBS/ FOOTINGS/ PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS. PAYMENT TO BE INCLUDED IN GRADING COMPLETE.
12. ALL R4-7 (KEEP RIGHT) SIGNS SHALL BE INSTALLED 10 FEET FROM THE END (BULLNOSES) OF MEDIANS. PVC PIPE (6" INCH DIAMETER) IS REQUIRED FOR INSTALLING R4-7 SIGN POSTS WHEN MEDIANS ARE CONCRETE OR SOME OTHER IMPERVIOUS SURFACE. PVC PIPE SHALL NOT EXTEND ABOVE MEDIAN SURFACE MORE THAT 4 INCHES.
13. STREET NAME BLADES (D3'S) SHALL BE PROVIDED BY THE CONTRACTOR. ALL D3'S SHALL BE "WHITE ON GREEN", TYPE IX RETROREFLECTIVE SHEETING. NINE INCH D3'S ARE STANDARD, EXCEPT AT SIGNALIZED INTERSECTIONS WHERE 18 INCH D3'S SHALL BE PROVIDED. PRIVATE ROADS SHALL BE "WHITE ON BLUE" TYPE IX RETROREFLECTIVE SHEETING.

    9 INCH D3'S - LETTERS SHALL BE 6 INCH SERIES "C", UPPER AND LOWER CASE, EXCEPT GEOGRAPHIC QUADRANTS WHICH SHALL BE 3 INCH SERIES "C", ALL UPPER CASE. GEOGRAPHIC QUADRANTS SHALL BE LOCATED IN THE UPPER RIGHT HAND CORNER. WHITE BORDERS SHALL BE ½ INCH IN WIDTH. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS.

    18 INCH D3'S - LETTERS SHALL BE 8 INCH SERIES "C", UPPER AND LOWER CASE, (NO GEOGRAPHIC QUADRANTS). ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS. WHITE BORDERS SHALL BE ½ INCH IN WIDTH.

    THE LETTERING ON POST-MOUNTED STEEL NAME SIGNS (D3 SERIES) SHOULD BE COMPOSED OF INITIAL UPPER CASE LETTERS AT LEAST 8 INCHES HIGH AND LOWER CASE LETTERS AT LEAST 6 INCHES HIGH.

    OVERHEAD STREET NAME SIGNS (D3 SERIES) SHALL BE ONE-SIDED AND AT LEAST TYPE 9 SHEETING AND INSTALLED BETWEEN TWO SIGNAL HEADS FOR THE APPROACH. THE LETTERING SHOULD BE AT LEAST 300 MM (12 INCHES) UPPER CASE LETTERS WITH 225 MM (9 INCHES) LOWER CASE LETTERS. THE FONT SHOULD BE FHWA STANDARD HIGHWAY SERIES E(M). A WHITE BORDER SHOULD BE INCLUDED AROUND AND TO THE EDGE OF THE SIGN.
14. ALL SIGNAL AHEAD (W3-3) CROSS ROAD (W2-1) AND SIDE ROAD (W2-2) SIGNS SHALL HAVE ADVISORY NAME BLADES INSTALLED ABOVE THE WARNING SIGN ADVISING MOTORISTS OF THE NAME OF APPROACHING STREET(S). ADVISORY NAME BLADES SHALL BE 6 INCH BY 24-36 INCH, BLACK ON YELLOW. ALL LETTERING SHALL BE 4 INCH SERIES "C", UPPER AND LOWER CASE. AT LOCATIONS WHERE STREETS CHANGE NAMES 4 INCH ARROWS SHALL BE PROVIDED ON THE ADVISORY BLADES TO INDICATE THE CORRECT STREET NAME.
15. PAVEMENT MARKINGS ON CONCRETE SURFACES SHALL BE PRE-FORMED WITH CONTRAST.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING TRAFFIC CONTROL SIGNS THROUGHOUT CONSTRUCTION. THIS INCLUDES CLEANING AND REPLACEMENT OF EXISTING SIGNS SHOULD THESE SIGNS NEED CLEANING, REPAIR OR REPLACEMENT DURING CONSTRUCTION.
17. ALL EXISTING SIGNS SHALL BE REMOVED, CLEANED, AND RESET. PAYMENT FOR EXISTING SIGN REMOVAL, CLEANING AND RESET SHOULD BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL.
18. ALL SIGNS SHALL BE REMOVED AND RESET WITH APPROVAL BY CITY OF SANDY SPRINGS FOR RESETTING OF SIGNS. PAYMENT TO BE INCLUDED UNDER GRADING COMPLETE.

## CITY OF SANDY SPRINGS EROSION & SEDIMENT CONTROL GENERAL NOTES

1. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
2. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ON TO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
3. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
4. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
5. OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
6. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
7. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UP STREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
8. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO CITY OF SANDY SPRINGS STANDARDS.
9. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
10. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.
11. ALL STATE WATERS AND ASSOCIATED BUFFERS WITHIN 200 FEET OF THE PROJECT SITE ARE MARKED ON THE PLANS IN ACCORDANCE WITH STATE AND FEDERAL GUIDELINES.
12. THE PERSON AND CONTACT INFORMATION FOR OWNER INFORMATION IS AS FOLLOWED:
    MR. TONY GUILFORD
    CIP PROJECT MANAGER
    PUBLIC WORKS DEPARTMENT
    CITY OF SANDY SPRINGS
    7840 ROSWELL ROAD, BUILDING 500
    SANDY SPRINGS, GA 30350
    OFFICE: (770) 206-2556 MOBILE: (404)791-2949
13. CONSTRUCTION ACTIVITIES INCLUDING VEGETATION, MULCHING AND BMP PRACTICES ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS.

**TABLE 6 - SUMMARY OF PHASE II ENVIRONMENTAL ASSESSMENT RESULTS**

| REC FACILITY | CONCERNS IDENTIFIED FOR | | REGULATORY ACTION REQUIRED /RECOMMENDED | OTHER POTENTIAL CONSIDERATIONS |
|---|---|---|---|---|
| | WORKER SAFETY | ROW ACQUISITION | | |
| Executive European Cleaners facility | N | Y | BFP | Level D personal protective equipment is recommended |
| City Walk Shopping Center facility | N | Y | BFP | Level D personal protective equipment is recommended |
| The (former) Professional Cleaner facility | N | Y | HSRP Notification/BFP | Level D personal protective equipment is recommended |
| Professional Cleaners facility | N | N | N | Level D personal protective equipment is recommended |

**Notes:**
This Phase II Environmental Assessment result summary is not intended to be used or relied upon without reference to the entire report and cannot otherwise be properly understood and interpreted. It is provided solely for the convenience of the Client and not as a substitute for the report or review of the report.

HSRP: Hazardous Sites Response Program (aka Response and Remediation Program)
BFP: Georgia Brownfield Program-provides limitation of liability to prospective purchasers.
Y: Yes, consideration of BFP is recommended prior to acquisition.
N: No, significant concerns not identified.

**Environmental Resources Impact Table**

*These resources and the restrictions listed are governed by state and federal law.*

| Resource Name (from Section A of the ECT) | Location | | | Permitted Construction Activity (from Section A of the ECT) | Special Provision? (from Section B of the ECT) | Comments (from Section C of the ECT, comments only) |
|---|---|---|---|---|---|---|
| | Beginning STA | Ending STA | Side | | | |
| Intermittent stream 1 | | | | No Activity | NA | The contractor shall ensure that no construction-related activities or acces occur within the boundary of this resource. |
| Intermittent stream 1 buffer | | | | No Activity | NA | The contractor shall ensure that no construction-related activities or acces occur within the boundary of this resource. |
| Intermittent stream 2 | 82+52 | 84+75 | | No Activity | NA | The contractor shall ensure that no construction-related activities or acces occur within the boundary of this resource. |
| Intermittent stream 2 buffer | 82+49 | 84+81 | | No Activity | NA | The contractor shall ensure that no construction-related activities or acces occur within the boundary of this resource. |
| Parcel 1 (HazMat/UST Site) | | | | Any activity following HazMat protection measures | NA | Level D personal protective equipment is recommended. |
| Parcel 4 (HazMat/UST Site) | | | | Any activity following HazMat protection measures | NA | Level D personal protective equipment is recommended. |
| Parcel 5 (HazMat/UST Site) | | | | Any activity following HazMat protection measures | NA | Level D personal protective equipment is recommended. |

| 404 Permits and Variances (from Section D of the ECT) | Expiration dates (if applicable) Contact GDOT OES 6 months prior to expiration, if work will extend beyond this date. |
|---|---|
| | |
| | |

***If there are no resources, indicate "None" in the first row. Include this table in the General Notes section of the plans as always.***

ECT = Environmental Commitments Table, AKA "Green Sheet".

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SANDY SPRINGS GEORGIA

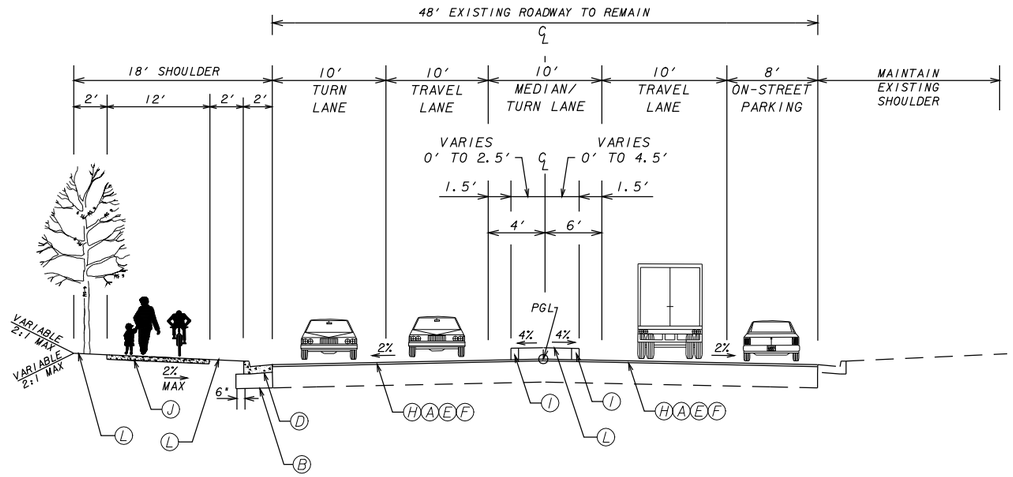
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

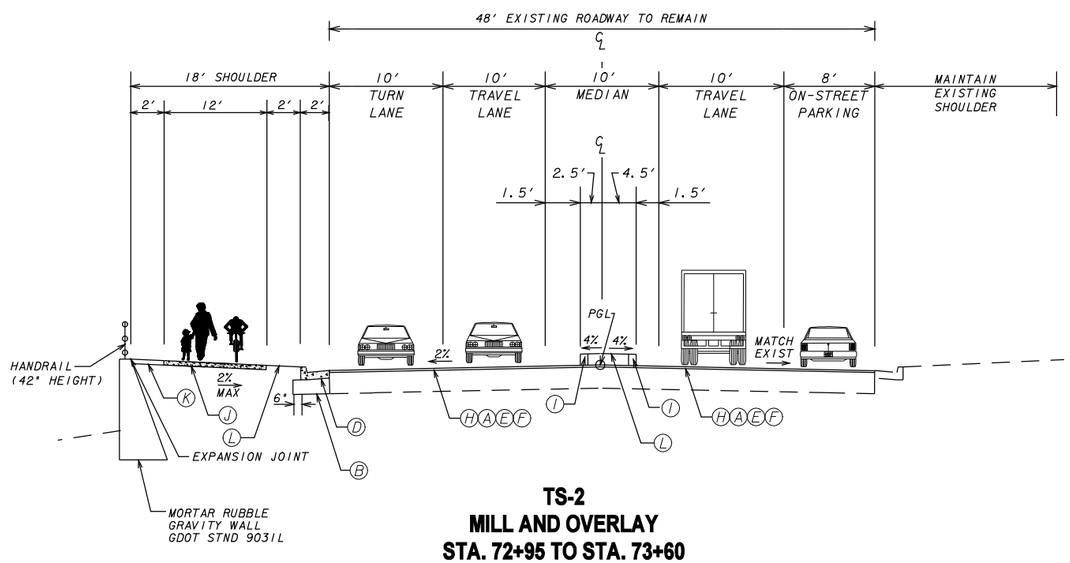
GENERAL NOTES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 04-002




**TS-1**
**MILL AND OVERLAY**
**STA. 72+30 TO STA. 72+95**
**STA. 73+60 TO STA. 75+66**




**TS-2**
**MILL AND OVERLAY**
**STA. 72+95 TO STA. 73+60**

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
- (B) GRADED AGGREGATE BASE, 10", INCL MATL
- (C) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK (GDOT CONSTRUCTION DETAIL A-3)
- (D) 8" X 24" CONC CURB & GUTTER, GA. STD. 9032-B TP 2
- (E) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (F) RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (G) BRICK PAVERS PER CITY OF SANDY SPRINGS OVERLAY REQUIREMENTS
- (H) VARIABLE DEPTH MILLING
- (I) 6" DOWELED INTEGRAL CURB, TYPE 7
- (J) MULTI-USE PATH, CONCRETE SIDEWALK 6" THICK
- (K) 2' BRICK PAVER STRIP
- (L) SOD (HYBRID BERMUDA SOD - TIF 419)

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SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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CITY OF SANDY SPRINGS
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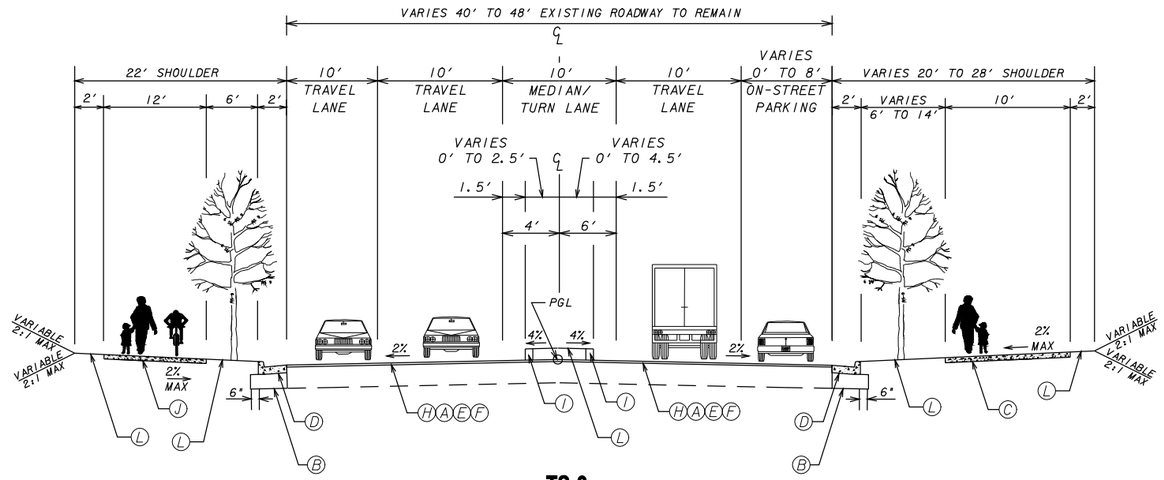
TYPICAL SECTIONS

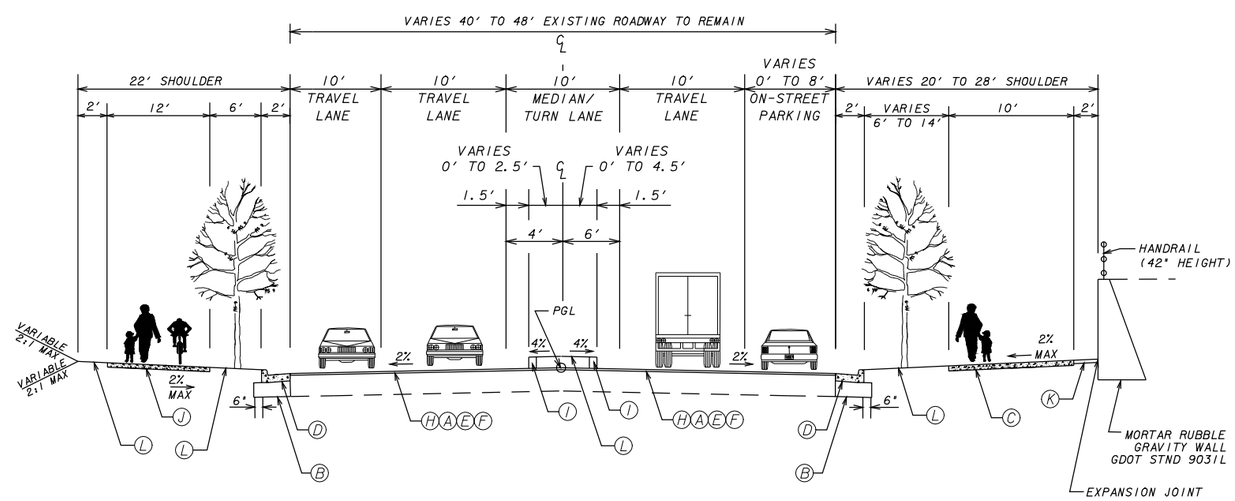
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 05-001

1/5/2009 GPLN




**TS-3**
**MILL AND OVERLAY**
**STA. 75+66 TO STA. 75+78**
**STA. 77+30 TO STA. 78+00**
**STA. 80+63 TO STA. 81+63**




**TS-4**
**MILL AND OVERLAY**
**STA. 75+78 TO STA. 77+30**

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
- (B) GRADED AGGREGATE BASE, 10", INCL MATL
- (C) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK (GDOT CONSTRUCTION DETAIL A-3)
- (D) 8" X 24" CONC CURB & GUTTER, GA. STD. 9032-B TP 2
- (E) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (F) RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (G) BRICK PAVERS PER CITY OF SANDY SPRINGS OVERLAY REQUIREMENTS
- (H) VARIABLE DEPTH MILLING
- (I) 6" DOWELED INTEGRAL CURB, TYPE 7
- (J) MULTI-USE PATH, CONCRETE SIDEWALK 6" THICK
- (K) 2' BRICK PAVER STRIP
- (L) SOD (HYBRID BERMUDA SOD - TIF 419)

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SANDY SPRINGS GEORGIA

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CITY OF SANDY SPRINGS
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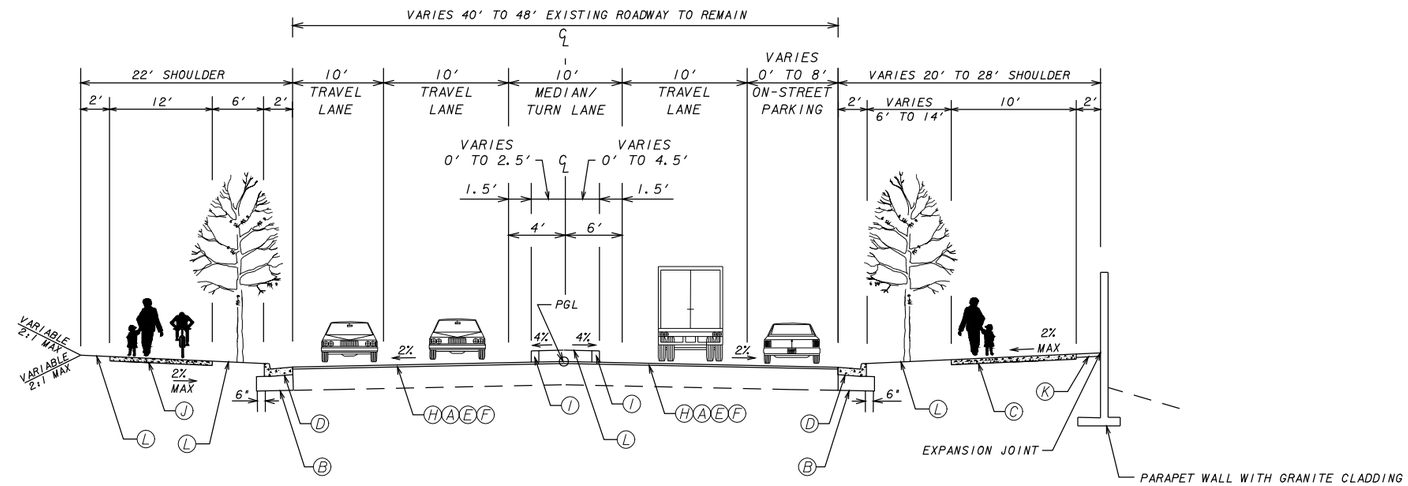
TYPICAL SECTIONS

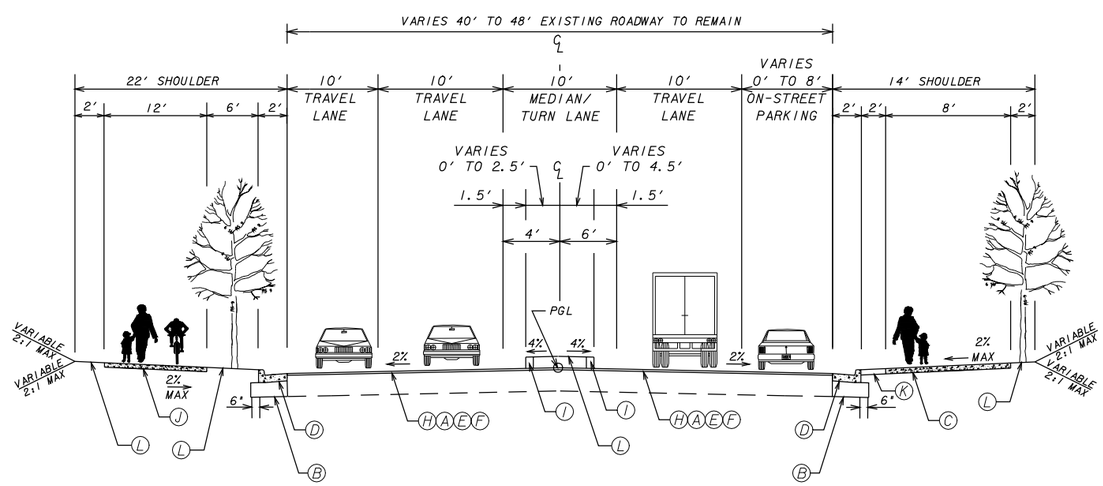
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 05-002

1/5/2009 GPLN




**TS-5**
**MILL AND OVERLAY**
**STA. 78+00 TO STA. 80+63**




**TS-6**
**MILL AND OVERLAY**
**STA. 81+63 TO STA. 83+90**

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
- (B) GRADED AGGREGATE BASE, 10", INCL MATL
- (C) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK (GDOT CONSTRUCTION DETAIL A-3)
- (D) 8" X 24" CONC CURB & GUTTER, GA. STD. 9032-B TP 2
- (E) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (F) RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (G) BRICK PAVERS PER CITY OF SANDY SPRINGS OVERLAY REQUIREMENTS
- (H) VARIABLE DEPTH MILLING
- (I) 6" DOWELED INTEGRAL CURB, TYPE 7
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- (K) 2' BRICK PAVER STRIP
- (L) SOD (HYBRID BERMUDA SOD - TIF 419)

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CITY OF SANDY SPRINGS
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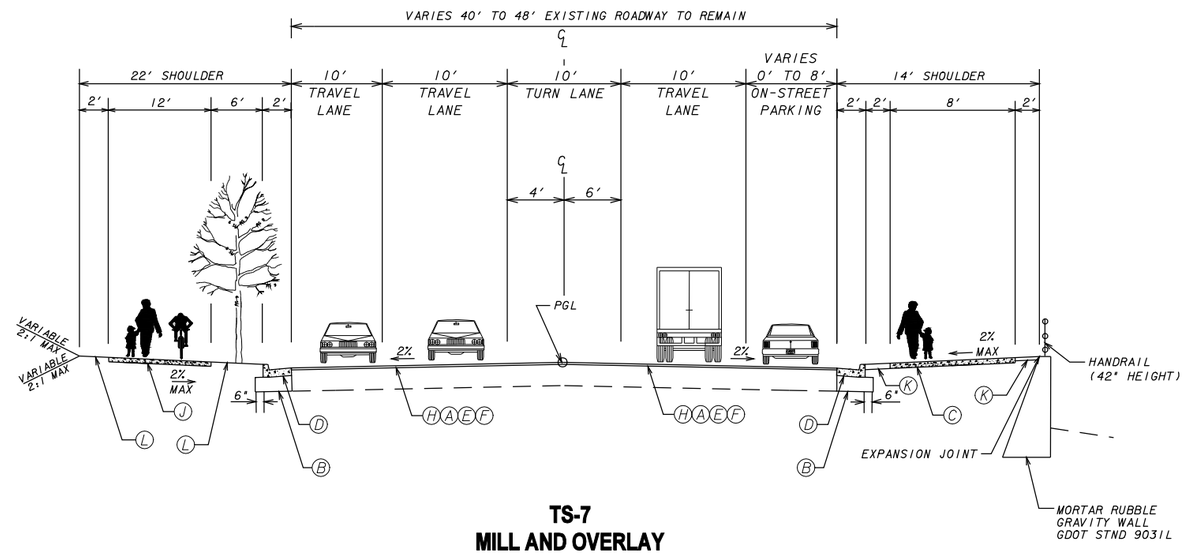
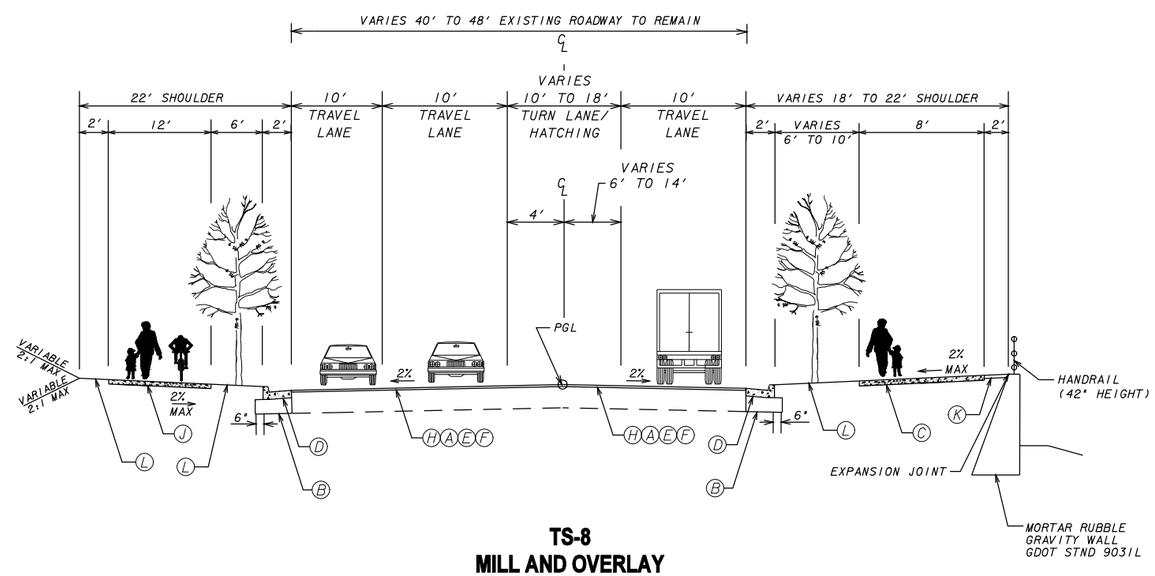
TYPICAL SECTIONS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 05-003

1/5/2009 GPLN




**TS-7**
**MILL AND OVERLAY**
**STA. 83+90 TO STA. 84+87**




**TS-8**
**MILL AND OVERLAY**
**STA. 84+87 TO STA. 87+07**

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
- (B) GRADED AGGREGATE BASE, 10", INCL MATL
- (C) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK (GDOT CONSTRUCTION DETAIL A-3)
- (D) 8" X 24" CONC CURB & GUTTER, GA. STD. 9032-B TP 2
- (E) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (F) RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (G) BRICK PAVERS PER CITY OF SANDY SPRINGS OVERLAY REQUIREMENTS
- (H) VARIABLE DEPTH MILLING
- (I) 6" DOWELED INTEGRAL CURB, TYPE 7
- (J) MULTI-USE PATH, CONCRETE SIDEWALK 6" THICK
- (K) 2' BRICK PAVER STRIP
- (L) SOD (HYBRID BERMUDA SOD - TIF 419)

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CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

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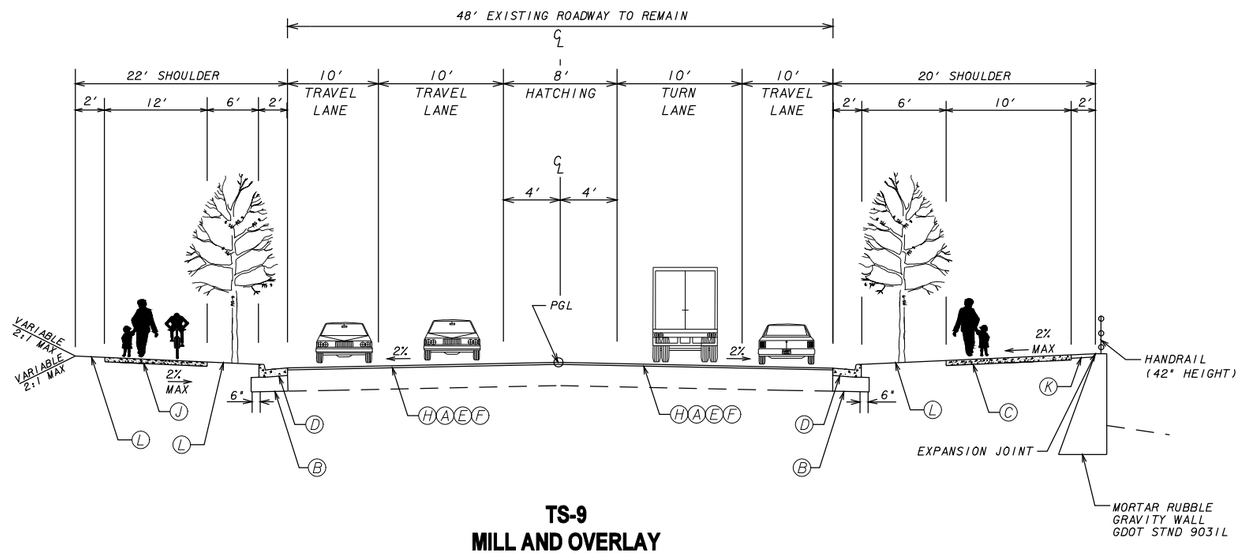
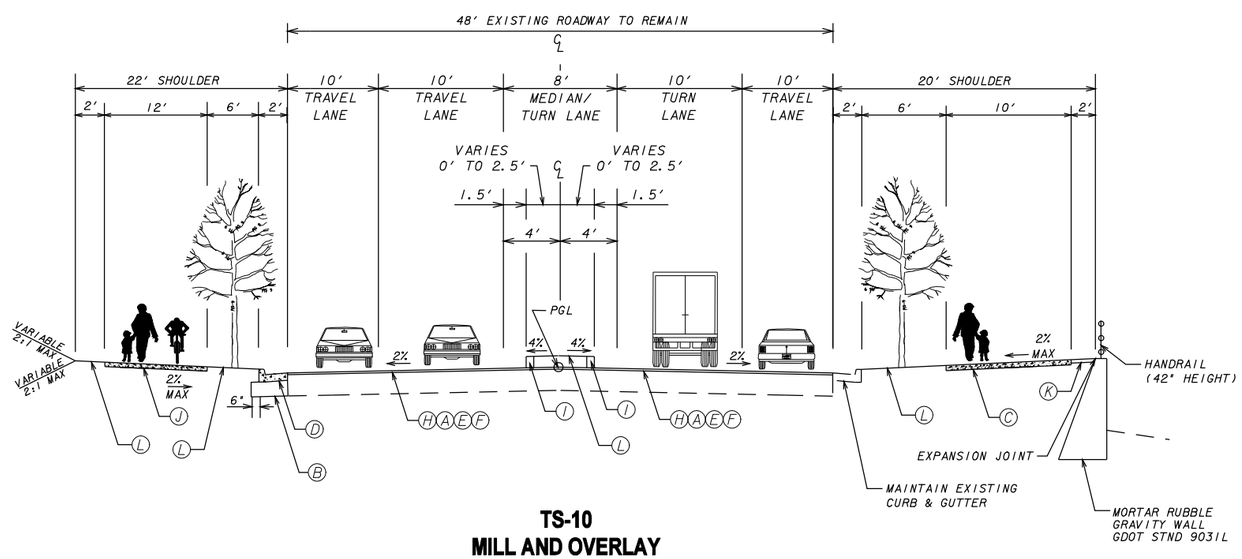



**TS-9**
**MILL AND OVERLAY**
**STA. 87+07 TO STA. 87+33**




**TS-10**
**MILL AND OVERLAY**
**STA. 87+33 TO STA. 88+81**

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
- (B) GRADED AGGREGATE BASE, 10", INCL MATL
- (C) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK (GDOT CONSTRUCTION DETAIL A-3)
- (D) 8" X 24" CONC CURB & GUTTER, GA. STD. 9032-B TP 2
- (E) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
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- (L) SOD (HYBRID BERMUDA SOD - TIF 419)

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SANDY SPRINGS GEORGIA

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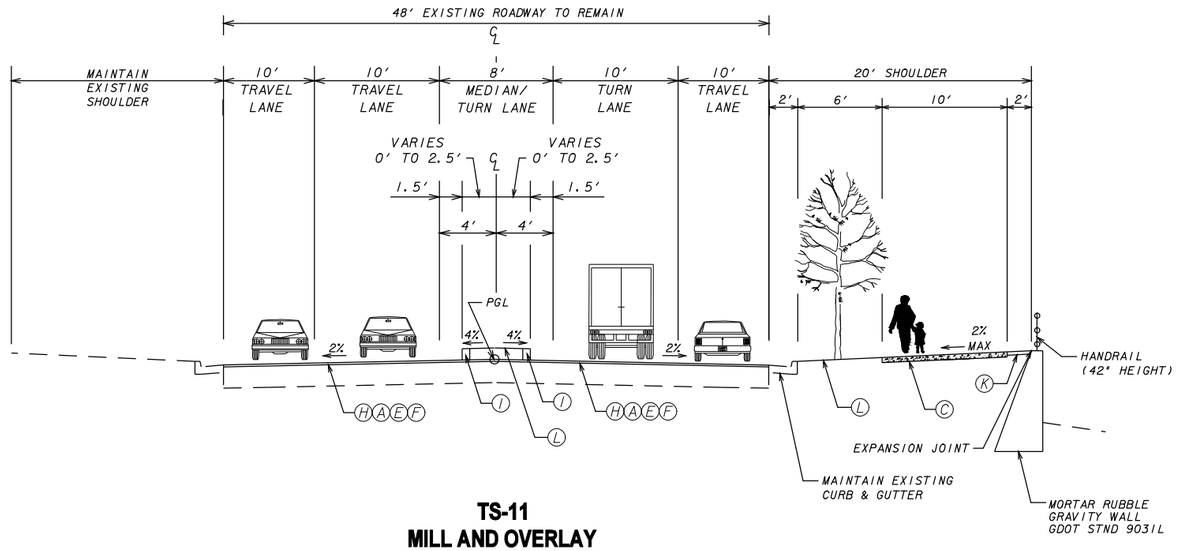
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 05-005




**TS-11**
**MILL AND OVERLAY**
**STA. 88+81 TO STA. 89+74**

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
- (B) GRADED AGGREGATE BASE, 10", INCL MATL
- (C) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK (GDOT CONSTRUCTION DETAIL A-3)
- (D) 8" X 24" CONC CURB & GUTTER, GA. STD. 9032-B TP 2
- (E) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (F) RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME (AS REQUIRED BY ENGINEER)
- (G) BRICK PAVERS PER CITY OF SANDY SPRINGS OVERLAY REQUIREMENTS
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SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

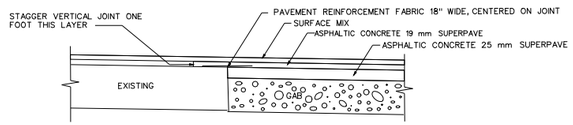
TYPICAL SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

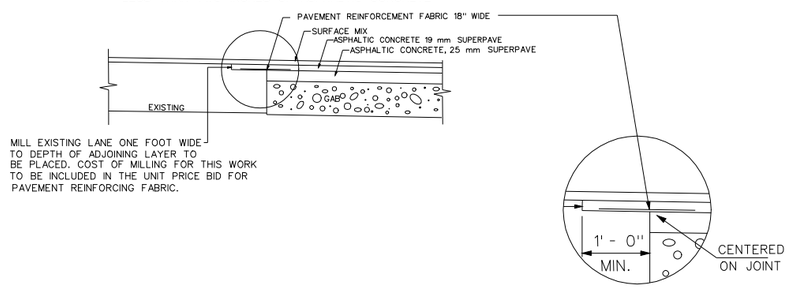
DRAWING No. 05-006

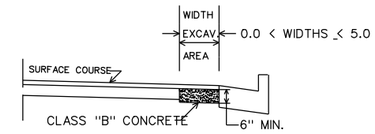
# PAVEMENT REINFORCING FABRIC DETAIL ADJACENT TO PERMANENT PAVEMENT

TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
TWO INCHES OR MORE OF ASPHALTIC CONCRETE




TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
LESS THAN TWO INCHES OF ASPHALTIC CONCRETE




NO SCALE
CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
Item Code 500-9999 - Cu. Yds.

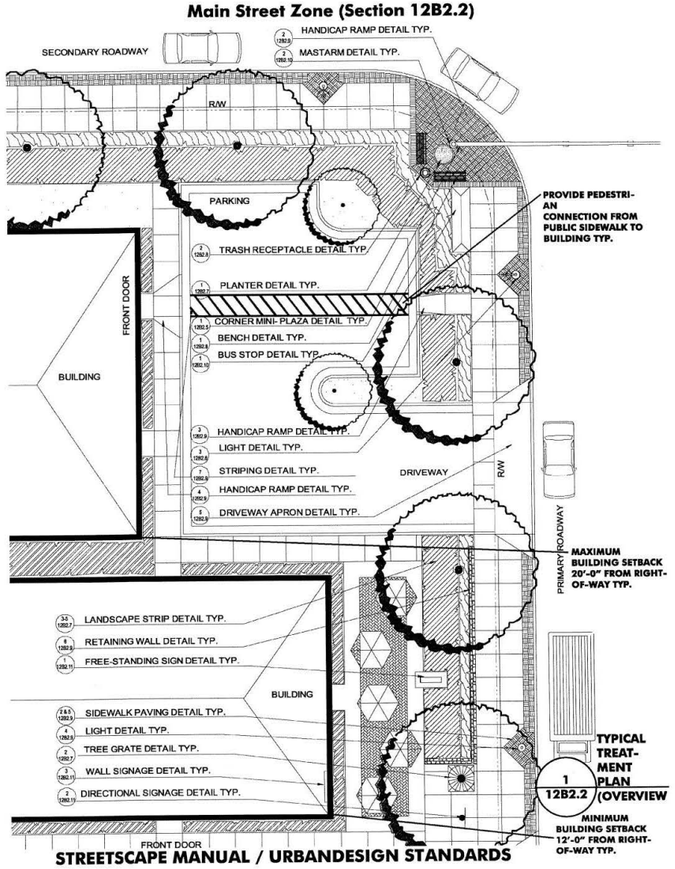
In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".

In excavated areas greater than 5'-0" in width, the Contractor shall place base and paving as specified on the typical section.

See plans for details of curb and gutter construction.

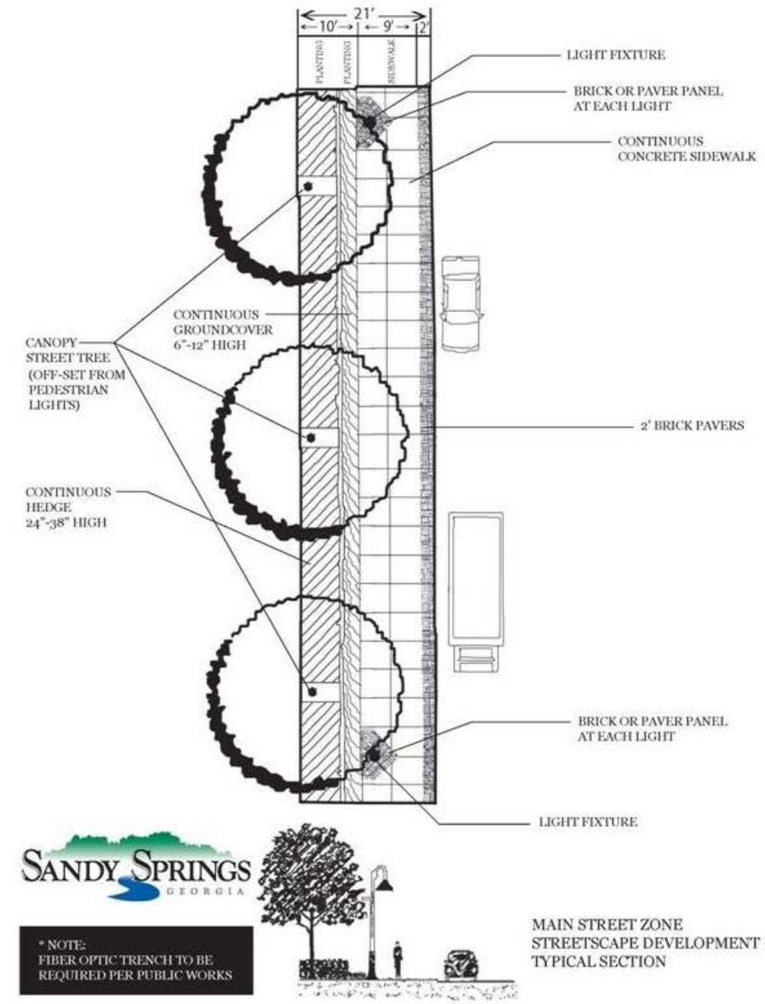
## CLASS "B" CONCRETE BASE OR WIDENING DETAIL

## Main Street Zone (Section 12B2.2)




**STREETSCAPE MANUAL / URBANDESIGN STANDARDS**






MAIN STREET ZONE
STREETSCAPE DEVELOPMENT
TYPICAL SECTION



FOR INFORMATION PURPOSE

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SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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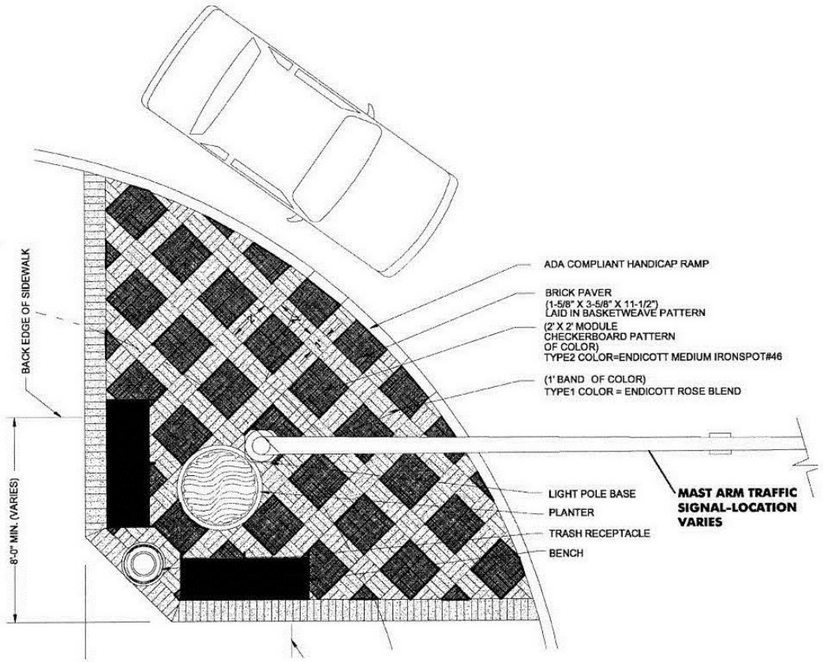
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 05-008

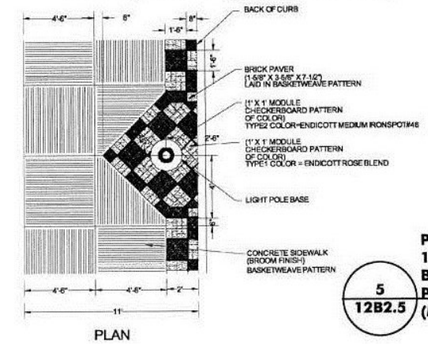
## Paving Details (Section 12B2.5)



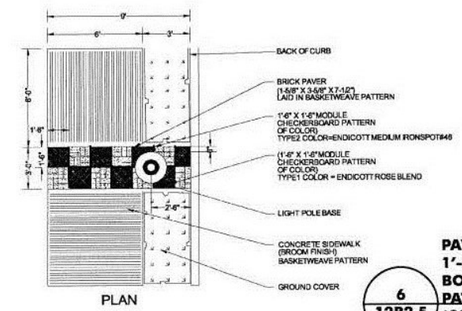

1 / 12B2.5 **MINI-PLAZA PAVER PLAN N.T.S.**



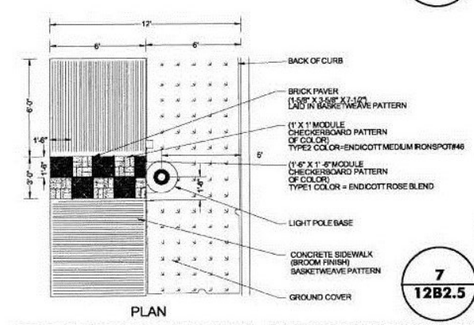
## Paving Details (Section 12B2.5)




5 / 12B2.5 **PAVER BAND 1'-6" MODULE CHECKER-BOARD PATTERN (MAIN STREET ZONE)**




6 / 12B2.5 **PAVER BAND 1'-6" MODULE CHECKER-BOARD PATTERN (COMMERCIAL STRIP ZONE)**




7 / 12B2.5 **PAVER BAND 1'-6" MODULE CHECKER-BOARD PATTERN (SUBURBAN CORRIDOR**

**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



FOR INFORMATION PURPOSE

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 05-009

1/5/2009 GPLN

## Paving Details (Section 12B2.5)

UNIT PAVERS

A. BRICK PAVERS: PEDESTRIAN / VEHICULAR PAVING BRICK CONSISTING OF SOLID UNCORED, UNFROGGED BRICK OF THE FOLLOWING DIMENSIONS: 1-5/8" x 3-5/8" x 11-5/8", COMPLYING WITH THE REQUIREMENTS OF ASTM C 902 FOR THE FOLLOWING END-USE ENVIRONMENT WEATHER AND TRAFFIC, AND APPLICATION METHOD:

1. WEATHER CLASS SX.
2. TRAFFIC TYPE I
3. APPLICATION PS.

B. COLOR: TYPE 1- ENDICOTT ROSE BLEND MODULAR VELOUR TK PAVER
TYPE 2- ENDICOTT MEDIUM IRONSPOT #46 MODULAR VELOUR TK PAVER

PORTLAND CEMENT MORTAR SETTING AND BED MATERIALS:
A. PORTLAND CEMENT: ASTM C 150, TYPE I OR II
B. HYDRATED LIME: ASTM C 207, TYPE S
C. AGGREGATE: MINUS 0.10

GROUT MATERIALS:
LATEX PORTLAND CEMENT GROUT: ANSI A118.6, COMPOSITION AS FOLLOWS:
1. PREPACKAGED DRY MORTAR MIX COMPOSED OF PORTLAND CEMENT, GRADED AGGREGATE, COLORED PIGMENT SAND ETHYLENE VINYL ACETATE IN THE FORM OF A RE-EMULSIFIABLE POWDER TO WHICH ONLY WATER IS ADDED AT THE JOB SITE.

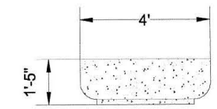
2. WATER: CLEAN, FREE OF MATERIALS DETRIMENTAL TO STRENGTH OF OR BOND OF GROUT.
3. COLOR: BLUE CIRCLE CRIMSON RED #48B.

8 / 12B2.5 **GENERAL PAVING SPECIFICATIONS** N.T.S.

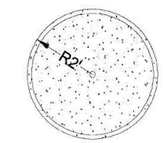
**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



## Landscape Details (Section 12B2.7)




SIDE VIEW




PLAN VIEW

1 / 12B2.7 **PLANTER** N.T.S.

PLANTER DURA ART STONE INC. (800)821-1120
S-4-D-17-S18-LSB-(3)@1" CENTERED-SAUCERS
ROUND, REINFORCED CAST STONE PLANTERS WITH MATCHING SAUCERS AND INTEGRAL NON-FADING COLOR

**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



FOR INFORMATION PURPOSE

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SANDY SPRINGS GEORGIA

REVISION DATES

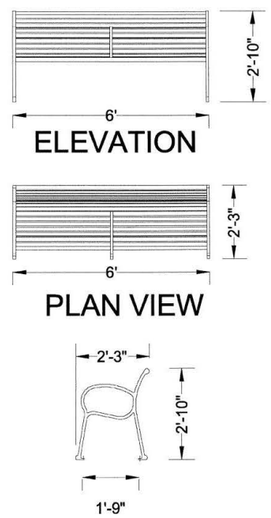
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 05-010

1/5/2009 GPLN

## Street Furniture Details - Bench Elevation (Section 12B2.8)



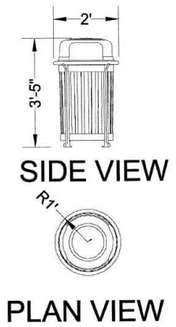

BENCH: LANDSCAPE FORMS INC. (404)231-0185
SC3005-BS-96 W/ CENTER ARM
HORIZONTAL INSERT, SURFACE MOUNT, RAL 6012 CUSTOM COLOR

1 / 12B2.8 BENCH N.T.S.

**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



## Street Furniture Details (Section 12B2.8)




2 / 12B2.8 TRASH RECEPTACLE N.T.S.

TRASH RECEPTACLE: HORIZONTAL INSERT, SURFACE MOUNT, RAL 6012 CUSTOM COLOR
LANDSCAPE FORMS INC. (404)231-0185
SC3005-BS-96 W/ CENTER ARM
STRAP DETAIL, SURFACE MOUNT, RAL 6012 CUSTOM COLOR

**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



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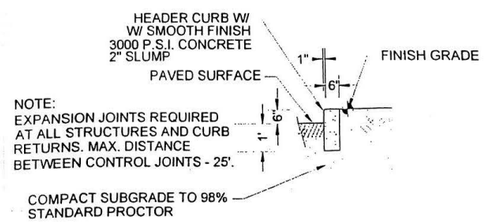
TYPICAL SECTIONS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 05-011

1/5/2009 GPLN

## Hardscape Details (Section 12B2.9)




1 / 12B2.9 HEADER CURB
N.T.S.

**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



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TYPICAL SECTIONS
SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 05-012

1/5/2009 GPLN

# SUMMARY OF QUANTITIES

## SURFACING QUANTITIES

| | MILL ASPH CONC PVMT. VARIABLE DEPTH | RECYCLED ASPH CONC LEVELING. INCL BITUM MATL & H LIME | RECYCLED ASPH CONC 12.5 mm SUPERPAVE. GP 2 ONLY. INCL | RECYCLED ASPH CONC PATCHING. INCL BITUM MATL & H LIME | GR AGGR BASE CRS. INCL MATL (UNDER CURB & GUTTER) | CLASS B CONCRETE BASE OR PAVEMENT WIDENING (AS DIRECTED BY ENGINEER) | TACK COAT |
|---|---|---|---|---|---|---|---|
| | SY | TN | TN | TN | TN | CY | GL |
| TOTAL | 10000 | 300 | 850 | 100 | 600 | 50 | 525 |

## RIGHT OF WAY MARKERS

TOTAL 22 EA

## CONC. SIDEWALK, 4 IN

TOTAL 1350 SY

## CONC. SIDEWALK, 6 IN (MULTI-USE TRAIL)

TOTAL 2000 SY

## CONC. SIDEWALK, 8 IN (WC RAMPS)

TOTAL 275 SY

## HEADER CURB, 6 INCH, TYPE 2

TOTAL 525 LF

* AS DIRECTED BY ENGINEER

## 6 INCH DOWELED INTEGRAL CURB, TYPE 7, INCL DOWELS

TOTAL 1550 LF

## CONC. CURB & GUTTER, 8 IN X 24 IN, TP 2

TOTAL 3500 LF

## TRAFFIC CONTROL

TOTAL LUMP SUM

## GRADING COMPLETE

TOTAL LUMP SUM

## SOD

TOTAL 8000 SY

## PARAPET WALL (Wall G)

| PAY ITEM NUMBER | QUANTITY | UNIT | PAY ITEM |
|---|---|---|---|
| 500-3107 | 395 | CY | CLASS A CONCRETE, RETAINING WALL |
| 511-1000 | 61200 | LB | BAR REINF STEEL |
| 530-0105 | 50 | SY | WATERPROOFING |
| 607-1000 | 85 | CY | MORTAR RUBBLE MASONRY |

## ***BRICK PAVERS

TOTAL 3500 SF

***CONTRACTOR SHALL COORDINATE WITH THE CITY OF SANDY SPRINGS REGARDING THE PATTERN AND COLOR OF THE BRICK PAVERS AT THE LIGHT POLE BASES, 2' STRIPS, AND ANY OTHER LOCATIONS. BRICK PAVERS SHALL MEET CITY OF SANDY SPRINGS OVERLAY STANDARDS.

## MORTAR RUBBLE MASONRY

TOTAL 230 CY

## HANDRAIL

TOTAL 800 LF

## *RECONSTRUCT MINOR DRAINAGE STRUCTURE

TOTAL 2 EA

* AS DIRECTED BY ENGINEER

## SUMMARY OF DRIVEWAY QUANTITIES

| LOCATION | DRIVEWAY TYPE | RECYC. ASPH. CONC. 12.5 MM SUPERPAVE. GP 2 ONLY. INCL. BITUM. | RECYC. ASPH. CONC. 19 MM SUPERPAVE. GP 1 OR 2. INCL. BITUM. | RECYC. ASPH. CONC. 25 MM SUPERPAVE. GP 1 OR 2. INCL. BITUM. | TACK COAT | 6" GRADED AGGR. BASE | 10" GRADED AGGR. BASE | 4 INCH CONCRETE | 6 INCH CONCRETE | CONCRETE VALLEY GUTTER 6 IN. | CONCRETE VALLEY GUTTER 8 IN. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TON | TON | TON | GAL | TON | TON | SQ. YD | SQ. YD | SQ. YD | SQ. YD |
| STA. 75+36 , LT | ASPH. | 28 | 37 | 73 | 17 | | 189 | | | | |
| STA. 77+70 , LT | ASPH. | 21 | 27 | 54 | 13 | | 138 | | | | |
| STA. 77+75 , RT | ASPH. | 10 | 13 | 24 | 6 | | 62 | | | | |
| STA. 85+21 , LT | ASPH. | 121 | 163 | 324 | 74 | | 846 | | | | |
| STA. 88+62.7 , RT | CONC. | | | | | | | | 30 | | 16 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| TOTAL | | 180 | 240 | 475 | 110 | | 1235 | | 30 | | 16 |

## *MISCELLANEOUS LANDSCAPING ALLOWANCE

TOTAL LUMP SUM

* AS DIRECTED BY ENGINEER

## LANDSCAPING- HIGHTOWER WILLOW OAK

TOTAL 43 EA

## LANDSCAPING- EMERALD GREEN ARBORVITAE

TOTAL 6 EA

## LANDSCAPE MULCH

TOTAL 200 SY

## ADJUST SANITARY SEWER MANHOLE TO GRADE

TOTAL 2 EA

## *AGGREGATE SURFACE COURSE

TOTAL 200 TN

* AS DIRECTED BY ENGINEER

## REMOVE AND RESET FENCE

TOTAL 150 LF

## REMOVE AND RESET GATE

TOTAL 4 EA

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DEPARTMENT OF PUBLIC WORKS

SUMMARY QUANTITIES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 06-001

# SUMMARY OF QUANTITIES

| GRASSING | | | AGRICULTURAL LIME | FERTILIZER MIXED GRADE | FERTILIZER NITROGEN CONTENT | TEMPORARY MULCH |
|---|---|---|---|---|---|---|
| ITEM | UNIT | QTY | TN | TN | LB | TN |
| *PERMANENT GRASSING (INCLUDING HYDROSEED) | AC | 1 | 4 | 1 | 55 | |
| TEMPORARY GRASSING | AC | 2 | | | | |
| DISTURBED AREA | AC | 3 | | | | 75 |
| TOTALS | | | 4 | 1 | 55 | 75 |

* AS DIRECTED BY ENGINEER

| LIGHTING QUANTITIES | | |
|---|---|---|
| | UNITS | QUANTITY |
| CABLE, TP XHHW, AWG NO 10 | LF | 11700 |
| CONDUIT, NONMETL, TP 2, 2 IN | LF | 3050 |
| CONDUIT, NONMETL, TP 2, 2½IN | LF | 50 |
| CONDUIT, NONMETL, TP 3, 2 IN | LF | 600 |
| MAIN SERVICE PICK UP POINT | LS | 1 |
| ELECTRICAL JUNCTION BOX, REINFORCED PLASTIC MORTAR | EA | 2 |
| DIRECTIONAL BORE - 2 IN | LF | 500 |
| LIGHTING STD, 13 FT MH, POST TOP | EA | 36 |
| LIGHTING STD, 15 FT MH, 2 FT ARM | EA | 3 |
| LUMINAIRE, TP 3, 55 W, LED | EA | 36 |
| LUMINAIRE, TP 3, 70 W, LED | EA | 3 |

| CONSTRUCT AND REMOVE INLET SEDIMENT TRAP | |
|---|---|
| TOTAL | 39 EA |

| MAINTENANCE OF INLET SEDIMENT TRAP | |
|---|---|
| TOTAL | 39 EA |

| TEMPORARY SILT FENCE, TYPE C | |
|---|---|
| TOTAL | 3700 LF |

| MAINTENANCE OF TEMP SILT FENCE, TYPE C | |
|---|---|
| TOTAL | 1850 LF |

| EROSION CONTROL MATS, SLOPES | |
|---|---|
| TOTAL | 2200 SY |

| WATER QUALITY MONITORING & SAMPLING | |
|---|---|
| TOTAL | 6 EA |

| WATER QUALITY INSPECTIONS | |
|---|---|
| TOTAL | 12 MONTHS |

| CONSTRUCT & REMOVE TEMPORARY PIPE SLOPE DRAIN | |
|---|---|
| TOTAL | 100 LF |

* TO BE USED AS DIRECTED BY ENGINEER

| CONSTRUCTION EXIT | |
|---|---|
| TOTAL | 2 EA |

| MAINTENANCE OF CONSTRUCTION EXIT | |
|---|---|
| TOTAL | 2 EA |

| CONSTRUCTION EXIT TIRE WASH ASSEMBLY | |
|---|---|
| TOTAL | 2 EA |

| MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH ASSEMBLY | |
|---|---|
| TOTAL | 2 EA |

| *UNDDR PIPE INCL DRAINAGE AGGR, 6 IN | |
|---|---|
| TOTAL | 100 LF |

* TO BE USED AS DIRECTED BY ENGINEER

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SUMMARY QUANTITIES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 06-002

# SUMMARY OF QUANTITIES

| STRUCTURE NUMBER | LOCATION | FEET: STORM DRAIN 12" H1-10 | FEET: STORM DRAIN 15" H1-10 | FEET: STORM DRAIN 18" H1-10 | FEET: STORM DRAIN 24" H1-10 | FEET: STORM DRAIN 30" H1-10 | FEET: STORM DRAIN 36" H1-10 | FEET: STORM DRAIN 42" H1-10 | FEET: | FEET: SIDE DRAIN 18" | FEET: | FEET: | APPROXIMATE GRADE OF PIPE % | MAXIMUM HEIGHT OF FILL OVER PIPE FEET | 18" FLARED END SECTION, (STORM DRAIN) EA | 24" FLARED END SECTION, (STORM DRAIN) EA | 36" FLARED END SECTION (STORM DRAIN) EA | 18" SAFETY END SECTION (SIDE DRAIN) EA | CLASS A CONCRETE, INCL REINF STEEL CY | OUTLET CONTROL STRUCTURE EA | SATETY GRATE, TYPE 2 EA | FOUNDATION BKFILL MATL TYPE II SY | REMOVE DROP INLET EA | ADJUST MANHOLE TO GRADE EA | CONCRETE BOX CULVERTS: LENGTH OF CULVERT | CONCRETE BOX CULVERTS: SIZE OF CULVERT | CONCRETE BOX CULVERTS: GA. STANDARD AND SPECIAL DESIGN | CONCRETE BOX CULVERTS: BARRELS: CLASS "A" CONCRETE CY | CONCRETE BOX CULVERTS: BARRELS: BAR REINF. STEEL LB | CONCRETE BOX CULVERTS: WINGWALLS AND PARAPET: CLASS "A" CONCRETE CY | CONCRETE BOX CULVERTS: WINGWALLS AND PARAPET: BAR REINF. STEEL LB | CONCRETE BOX CULVERTS: APRONS: CLASS "A" CONCRETE CY | CONCRETE BOX CULVERTS: APRONS: BAR REINF. STEEL LB | CATCH BASINS & DROP INLETS GP 1: GA. STD. 1019A: 6' 0" OR LESS EA | CATCH BASINS & DROP INLETS GP 1: GA. STD. 1019A: ADDL DEPTH LF | CATCH BASINS & DROP INLETS GP 1: GA. STD. 1033D, 1034D, & 1034F: 6' 0" OR LESS EA | CATCH BASINS & DROP INLETS GP 1: GA. STD. 1033D, 1034D, & 1034F: ADDL DEPTH LF | ADJUST CATCH BASIN TO GRADE EA | JUNCTION BOX GA. STD. 9031U EA | MANHOLES: GA STD. 1011A: 6' 0" OR LESS EA | MANHOLES: GA STD. 1011A: ADDL DEPTH LF | RECONSTRUCT EXISTING CATCH BASIN: 6' 0" OR LESS EA | RECONSTRUCT EXISTING CATCH BASIN: ADDL DEPTH LF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A1 | STA. 72+89 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| A2 | STA. 73+17 LT. | | | 36 | | | | | | | | | 5.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| B1 | STA. 74+26 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| B2 | STA. 74+35 LT. | | | 14 | | | | | | | | | 2.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| C1 | STA. 75+93 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| C2 | STA. 76+00 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| C3 | STA. 76+62 RT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| C4 | STA. 77+31 RT. | | | 66 | | | | | | | | | 3.5 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| C5 | STA. 78+18 RT. | | | 85 | | | | | | | | | 6.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| C2.1 | STA. 76+12 RT. | | | 54 | | | | | | | | | 2.0 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| C2A | STA. 76+55 LT. | | | 58 | | | | | | | | | 4.75 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| C2B | STA. 77+10 LT. | | | 58 | | | | | | | | | 4.65 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| C2C | STA. 78+12 LT. | | | 106 | | | | | | | | | 5.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| C2D | STA. 79+75 LT. | | | 163 | | | | | | | | | 6.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| D1 | STA. 77+41 LT. | | | 4 | | | | | | | | | 2.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| D2 | STA. 77+42 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| D3 | STA. 77+93 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | | |
| D4 | STA. 77+86 LT. | | | 15 | | | | | | | | | 3.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| E1 | STA. 84+56 RT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| E2 | STA. 84+60 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| E3 | STA. 86+00 LT. | | | 141 | | | | | | | | | 4.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| E2.1 | STA. 83+75 LT. | | | 85 | | | | | | | | | 1.5 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| F1 | STA. 84+84 LT. | | | 23 | | | | | | | | | 6.0 | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | | | | | |
| F2 | STA. 84+96 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| F3 | STA. 85+26 LT. | | | 30 | | | | | | | | | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| F4 | STA. 85+92 LT. | | | 76 | | | | | | | | | 8.0 | | | | | | | | | | | | | | | | | | | | | | 1 | 4 | | | | | |
| F5 | STA. 86+82 LT. | | | 95 | | | | | | | | | 6.1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| G1 | STA. 86+35.50 RT. | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| G2 | STA. 86+68 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| H1 | STA. 87+18 RT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| H2 | STA. 87+65 RT. | | | 55 | | | | | | | | | 8.6 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| H3 | STA. 88+15 LT. | | | 51 | | | | | | | | | 7.5 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| | STA. 75+17 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| | STA. 75+52 LT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| | TOTAL | | | 1215 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 4 | | 15 | 6 | 4 | 1 | 6 | 2 | 3 | 1 |

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SUMMARY QUANTITIES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 06-003

# SUMMARY OF QUANTITIES

## TRAFFIC STRIPE

| DESCRIPTION | UNIT | QUANTITY | |
|---|---|---|---|
| | | PAINT | THERMOPLASTIC |
| TYPE 2 ARROW | EA | | 19 |
| TYPE 3 ARROW | EA | | 3 |
| TYPE 1 ARROW | EA | | 2 |
| TYPE 1 WORD | EA | | 5 |
| 5 IN SOLID WHITE | LF | | 4700 |
| 5 IN SKIP WHITE | GLF | | 1750 |
| 5 IN SOLID YELLOW | LF | | 3150 |
| 8 IN SOLID WHITE | LF | | 2800 |
| 24 IN SOLID WHITE | LF | | 220 |
| TRAF STRIPING, WHITE | SY | | 80 |
| TRAF STRIPING, YELLOW | SY | | 140 |

## RAISED PAVEMENT MARKERS, TYPE 1

| | |
|---|---|
| TOTAL | 30 EA |

## RAISED PAVEMENT MARKERS, TYPE 3

| | |
|---|---|
| TOTAL | 65 EA |

## SUMMARY OF QUANTITIES-STANDARD SIGNS

| STATION | INSTL. NO. | CODE | HIGHWAY SIGNS | | | | | | SQUARE TUBE POST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TP 1 MATL. REFL SHEETING TP 9 | | | TP 1 MATL. REFL SHEETING TP 11 | | | TYPE 7 | | | TYPE 8 | | | TYPE 9 | | |
| | | | SIZE | QUANTITY | SQUARE FEET | SIZE | QUANTITY | SQUARE FEET | LENGTH (FEET) | QUANTITY | TOTAL LENGTH | LENGTH (FEET) | QUANTITY | TOTAL LENGTH | LENGTH (FEET) | QUANTITY | TOTAL LENGTH |
| STA. 70+38, RT | 1 | R3-7L | 30" X 30" | 1 | 6.25 | | | | 12.5 | 1 | 12.5 | | | | | | |
| STA. 72+73, RT | 2 | R7-1 | 12" X 18" | 1 | 1.50 | | | | 11.5 | 1 | 11.5 | | | | | | |
| STA. 73+73, LT | 3 | R3-7 | 30" X 30" | 1 | 6.25 | | | | 12.5 | 1 | 12.5 | | | | | | |
| STA. 74+38, RT | 4 | R2-1 | 24" X 30" | 1 | 5.00 | | | | 12.5 | 1 | 12.5 | | | | | | |
| STA. 75+19, RT | 5 | R1-1 | | | | 36" OCTAGON | 1 | 7.45 | 13 | 1 | 13 | | | | | | |
| STA. 78+50, LT | 6 | W3-3 | | | | 36" X 36" | 1 | 9.00 | 14 | 1 | 14 | | | | | | |
| STA. 78+50, LT | | W16-8P | | | | 36" X 12" | 1 | 3.00 | | | | | | | | | |
| STA. 81+40, RT | 7 | R1-1 | | | | 36" OCTAGON | 1 | 7.45 | 13 | 1 | 13 | | | | | | |
| STA. 81+40, RT | | D3-1 | 48" X 9" | 1 | 3.00 | | | | | | | | | | | | |
| STA. 81+40, RT | | D3-1 | 48" X 9" | 1 | 3.00 | | | | | | | | | | | | |
| STA. 84+10, RT | 8 | W3-3 | | | | 36" X 36" | 1 | 9.00 | 14 | 1 | 14 | | | | | | |
| STA. 84+10, RT | | W16-8P | | | | 42" X 12" | 1 | 3.50 | | | | | | | | | |
| STA. 87+02, RT | 9 | R1-1 | | | | 36" OCTAGON | 1 | 7.45 | 13 | 1 | 13 | | | | | | |
| STA. 87+02, RT | | D3-1 | 48" X 9" | 1 | 3.00 | | | | | | | | | | | | |
| STA. 87+02, RT | | D3-1 | 42" X 9" | 1 | 2.63 | | | | | | | | | | | | |
| STA. 84+86, LT | 10 | R1-1 | | | | 36" OCTAGON | 1 | 7.45 | 13 | 1 | 13 | | | | | | |
| SUBTOTAL | | | | | 30.63 | | | 54.30 | | | 129 | | | | | | |
| AS DIRECTED BY ENGINEER | | | | | 4.37 | | | 5.70 | | | 11 | | | | | | |
| TOTAL | | | | | 35.00 | | | 60.00 | | | 140 | | | | | | |

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

SUMMARY QUANTITIES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 06-004

# SUMMARY OF QUANTITIES

| ITEM NO. | ITEM DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|
| 163-0240 | MULCH | TN | 0.05 |
| 163-0550 | CONSTRUCT AND REMOVE INLET SEDIMENT TRAP | EA | 3 |
| 441-0104 | CONC SIDEWALK, 4 IN | SY | 22 |
| 500-3200 | CLASS B CONCRETE (FOR THRUST RESTRAINTS) | CY | ~~1.2~~ 2 |
| 610-2365 | REMOVE WATER MAIN, 6 IN | LF | 20 |
| 610-2370 | REMOVE WATER MAIN, 8 IN | LF | 30 |
| 611-8010 | ADJUST FIRE HYDRANT TO GRADE | EA | 2 |
| 611-8140 | ADJUST WATER VALVE BOX TO GRADE | EA | 5 |
| 643-8200 | BARRIER FENCE (ORANGE), 4 FT | LF | 90 |
| 670-1060 | WATER MAIN, 6 IN | LF | 20 |
| 670-1080 | WATER MAIN, 8 IN | LF | 208 |
| 670-1600 | CUT & PLUG EXISTING WATER MAIN (165 LF - 8 IN) | EA | 1 |
| 670-2060 | GATE VALVE, 6 IN | EA | 1 |
| 670-4000 | FIRE HYDRANT | EA | 1 |
| 670-9920 | REMOVE EXISTING FIRE HYDRANT | EA | 1 |
| 700-7000 | AGRICULTURAL LIME | TN | 0.04 |
| 700-8000 | FERTILIZER MIXED GRADE | TN | 0.02 |
| 700-8100 | FERTILIZER NITROGEN CONTENT | LB | 2 |
| 700-9300 | SOD | SY | 60 |
| (INCIDENTAL ITEMS) | | | |

## ADJUST FIRE HYDRANT TO GRADE

| LOCATION | EA |
|---|---|
| 77+40, 21' RT | 1 |
| 80+48, 29' RT | 1 |
| TOTAL = | 2 |

## ADJUST WATER VALVE BOX TO GRADE

| LOCATION | EA |
|---|---|
| 80+47, 30' RT | 1 |
| 82+54, 31' RT | 1 |
| 83+01, 31' RT | 1 |
| 85+66, 30' RT | 1 |
| 86+48, 44' LT | 1 |
| TOTAL = | 4 |

## REMOVE EXISTING FIRE HYDRANT

| LOCATION | EA |
|---|---|
| 87+99, 44' LT | 1 |
| TOTAL = | 1 |

## NEW GATE VALVE, 6 IN

| LOCATION | EA |
|---|---|
| 87+99, 28' LT | 1 |
| TOTAL = | 1 |

## NEW FIRE HYDRANT

| LOCATION | EA |
|---|---|
| 87+99, 36' LT | 1 |
| TOTAL = | 1 |

GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

7/31/2015 GPLN

wsp

| REVISION DATES | | |
|---|---|---|
| | | |

**SUMMARY QUANTITIES**
SANDY SPRINGS CIRCLE STREETSCAPE
UTILITY RELOCATION PLANS

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 06-XXXX

FOR INFORMATION ONLY

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

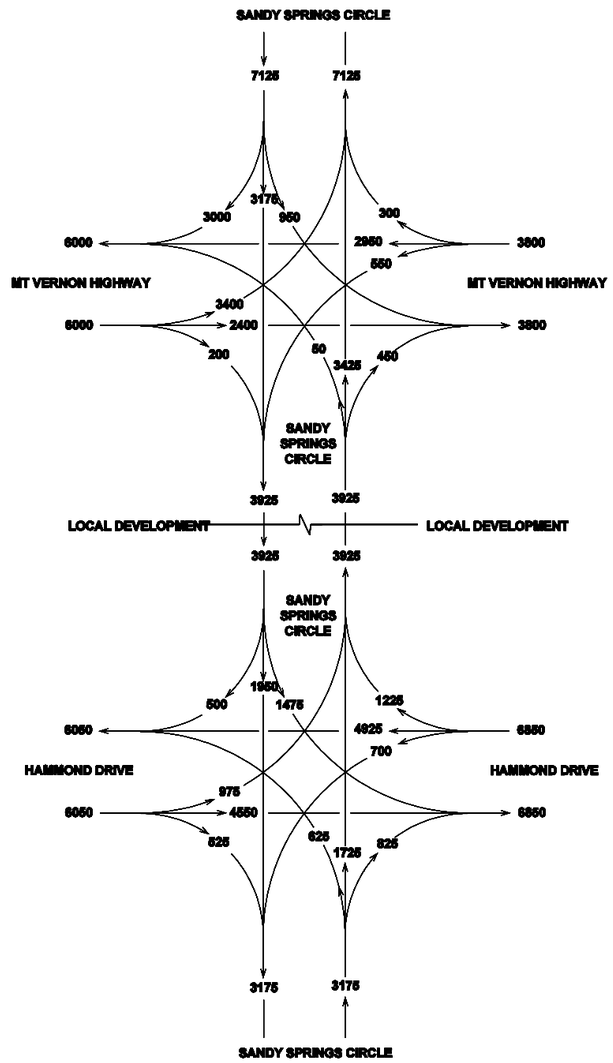
| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

**SUMMARY QUANTITIES**
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 06-005

1/5/2009 GPLN




N

**Sandy Springs Circle**

| | |
|---|---|
| 24-Hr Trucks | 1.5% |
| SU | 1.0% |
| COMB | 0.5% |

2015 ADT

**EXISTING 2015 ADT**
**XXX - ADT**

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

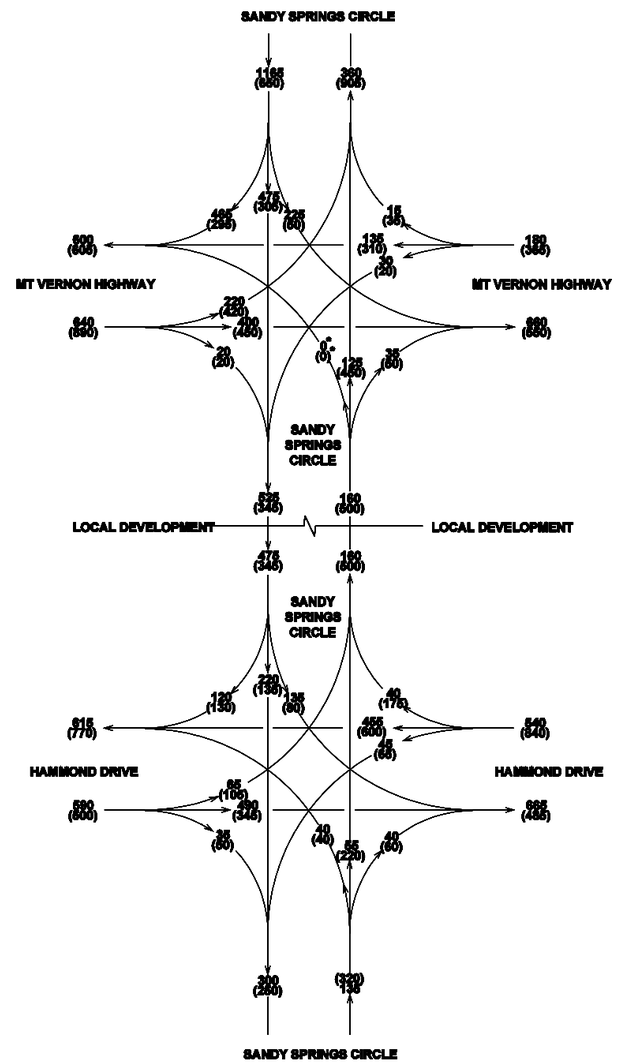
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIAGRAM

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 10-001

1/5/2009 GPLN




N

**Sandy Springs Circle**

| | |
|---|---|
| Peak Hr Trucks | 2.0% |
| SU | 1.5% |
| COMB | 0.5% |

*** LEFT TURN MOVEMENT IS PROHIBITED**

2015 AM/PM PEAK

**EXISTING 2015 PEAK HOUR**
**XXX - AM**
**(XXX) - PM**

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

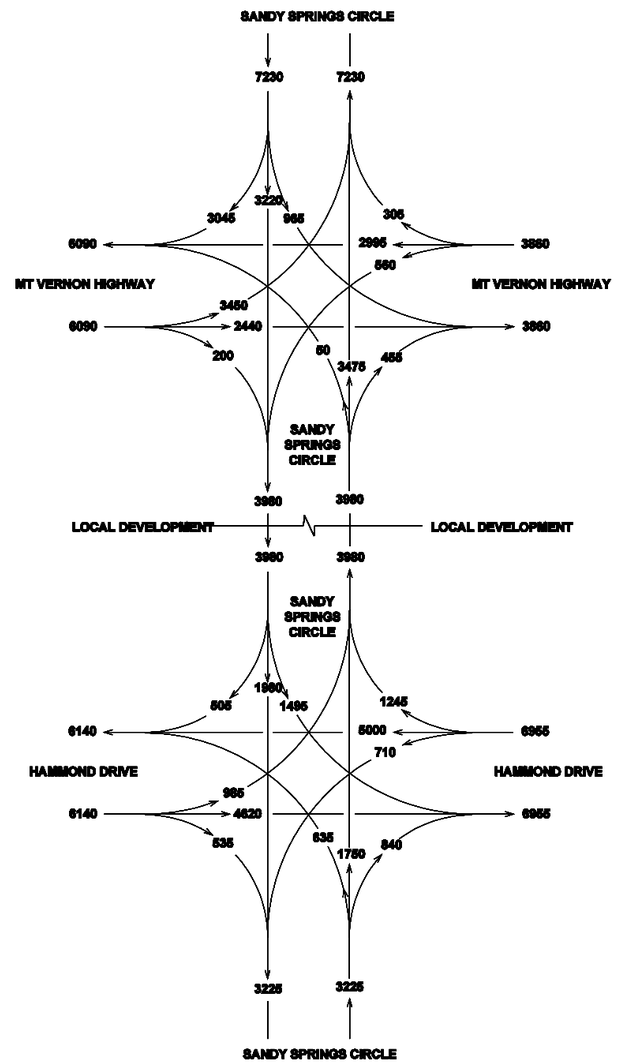
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIAGRAM

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 10-002

1/5/2009 GPLN




N

**Sandy Springs Circle**

| | |
|---|---|
| 24-Hr Trucks | 1.5% |
| SU | 1.0% |
| COMB | 0.5% |

2018 ADT

**2018 NO BUILD/BUILD ADT**
**XXX - ADT**

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

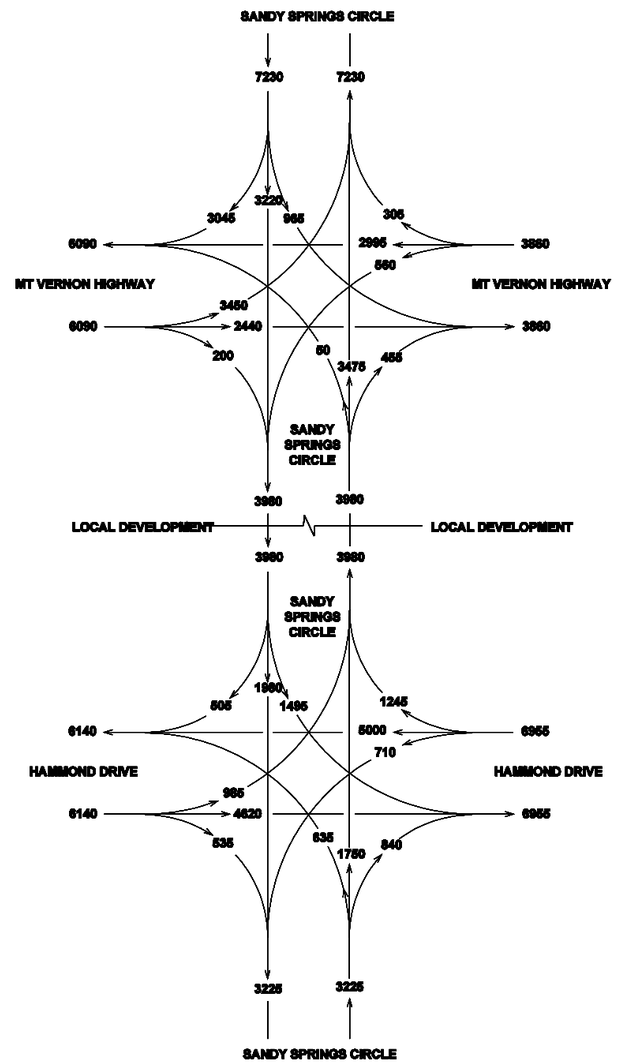
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIAGRAM

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 10-003

1/5/2009 GPLN




N

**Sandy Springs Circle**

| | |
|---|---|
| 24-Hr Trucks | 1.5% |
| SU | 1.0% |
| COMB | 0.5% |

2018 AM/PM PEAK

**2018 NO BUILD/BUILD PEAK HOUR**
**XXX - AM**
**(XXX) - PM**

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SANDY SPRINGS GEORGIA

REVISION DATES

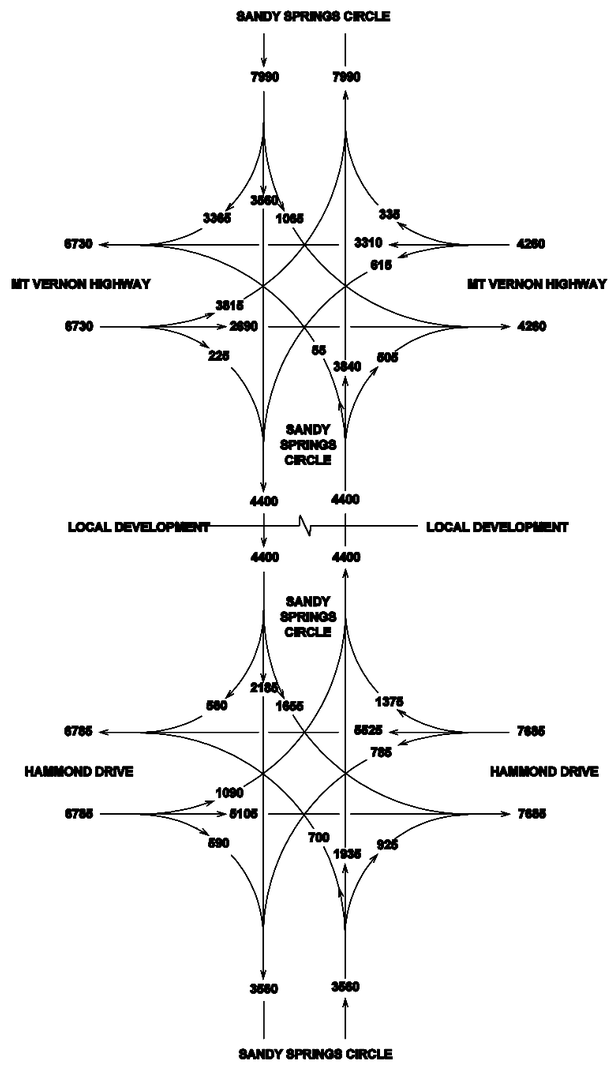
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIAGRAM

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 10-004

1/5/2009 GPLN




N

**Sandy Springs Circle**

| | |
|---|---|
| 24-Hr Trucks | 1.5% |
| SU | 1.0% |
| COMB | 0.5% |

2038 ADT

**2038 NO BUILD/BUILD ADT**
**XXX - ADT**

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

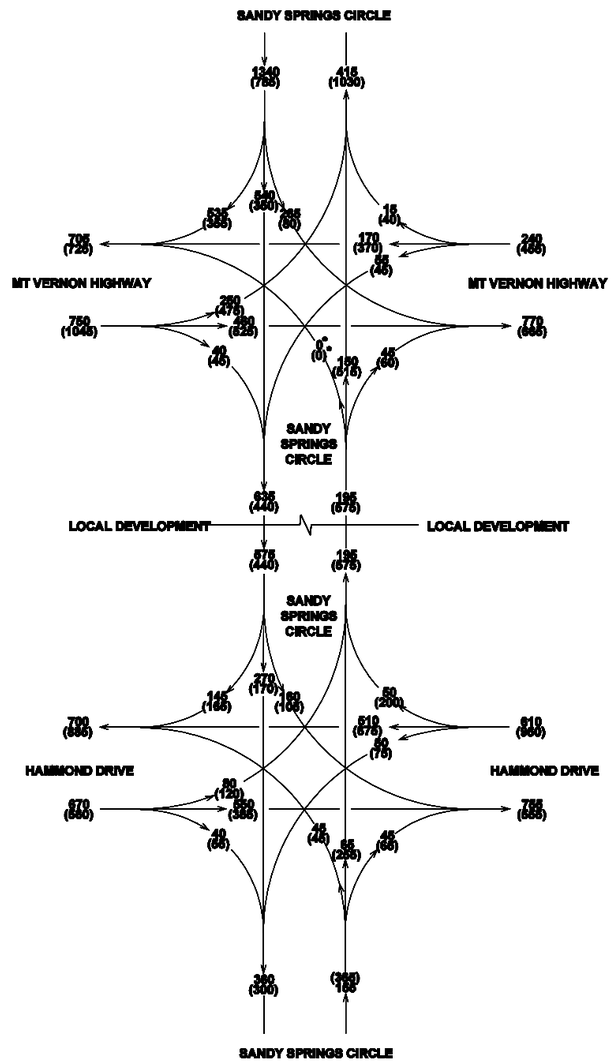
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIAGRAM

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 10-005

1/5/2009 GPLN




N

**Sandy Springs Circle**

| | |
|---|---|
| Peak Hr Trucks | 2.0% |
| SU | 1.5% |
| COMB | 0.5% |

*** LEFT TURN MOVEMENT IS PROHIBITED**

2038 AM/PM PEAK

**2038 NO BUILD/BUILD PEAK HOUR**
**XXX - AM**
**(XXX) - PM**

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIAGRAM

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 10-006

**CURVE # 1**
**SANDY SPRINGS CIRCLE**

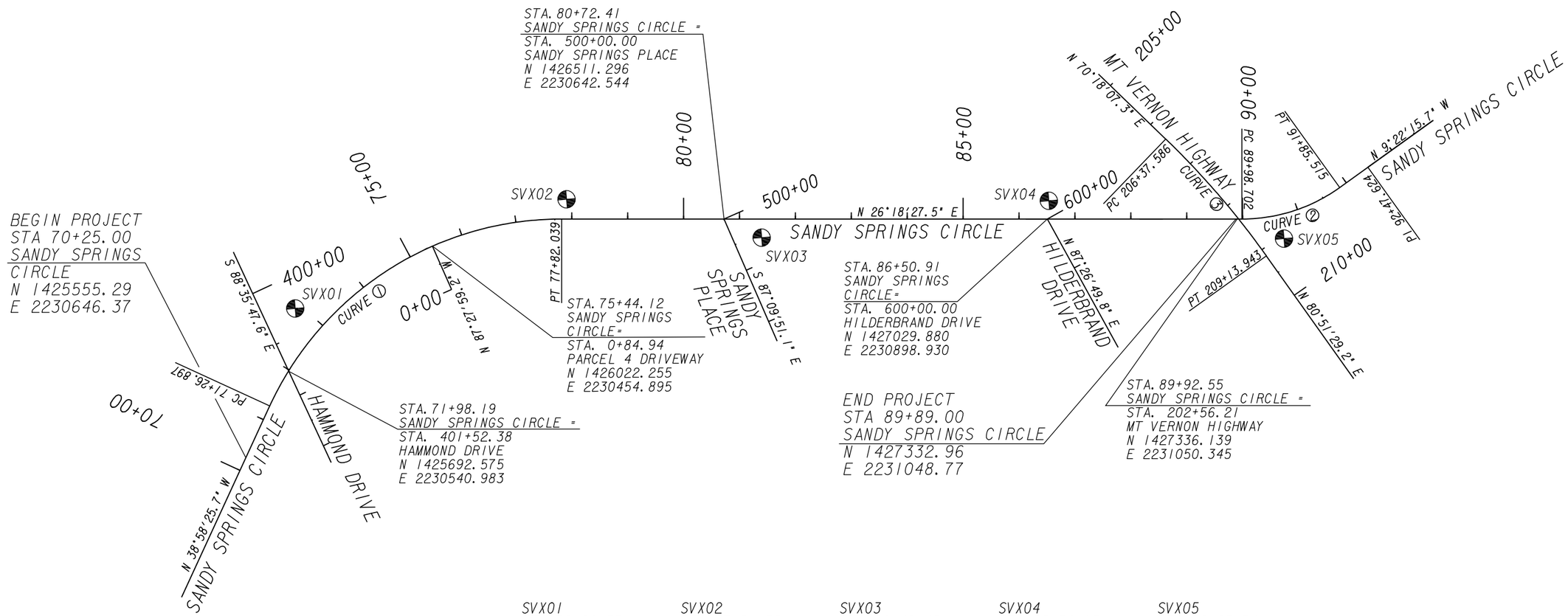
| | |
|---|---|
| P.I. STA. | = 74+95.20 |
| P.I. | = N 1425920.845<br>E 2230350.628 |
| Δ | = 65°16′53.2″ |
| DEG | = 09°57′52.1″ |
| R | = 575′ |
| T | = 368.30′ |
| L | = 655.14′ |
| S.E. | = MATCH EXIST (5%) |
| P.C. STA. | = 71+26.90 |
| P.T. STA. | = 77+82.04 |

**CURVE # 2**
**SANDY SPRINGS CIRCLE**

| | |
|---|---|
| P.I. STA. | = 90+95.25 |
| P.I. | = N 1427428.199<br>E 2231095.859 |
| Δ | = -35°40′43.2″ |
| DEG | = 19°05′54.9″ |
| R | = 300′ |
| T | = 96.55′ |
| L | = 186.81′ |
| S.E. | = MATCH EXIST |
| P.C. STA. | = 89+98.70 |
| P.T. STA. | = 91+85.52 |

**CURVE # 3**
**MT VERNON HIGHWAY**

| | |
|---|---|
| P.I. STA. | = 207+76.16 |
| P.I. | = N 1427329.590<br>E 2230995.164 |
| Δ | = 10°33′21.9″ |
| DEG | = 03°49′11″ |
| R | = 1500′ |
| T | = 138.57′ |
| L | = 276.36′ |
| S.E. | = MATCH EXIST |
| P.C. STA. | = 206+37.59 |
| P.T. STA. | = 209+13.94 |




| SVX01 | SVX02 | SVX03 | SVX04 | SVX05 |
|---|---|---|---|---|
| STA. 72+91.35 | STA. 77+91.58 | STA. 81+40.49 | STA. 86+54.15 | STA. 90+65.74 |
| 56.65′ LT. | 35.62′ LT. | 33.01′ RT. | 32.78′ LT. | 43.48′ RT. |
| N 1425753.5600 | N 1426275.3370 | N 1426557.6999 | N 1427047.3126 | N 1427394.4043 |
| E 2230446.1040 | E 2230486.1576 | E 2230702.3149 | E 2230870.9802 | E 2231118.1311 |
| ELEV. 1027.988′ | ELEV. 1063.941′ | ELEV. 1081.379′ | ELEV. 1083.861′ | ELEV. 1112.637′ |

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 50 100 200

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SANDY SPRINGS GEORGIA

REVISION DATES

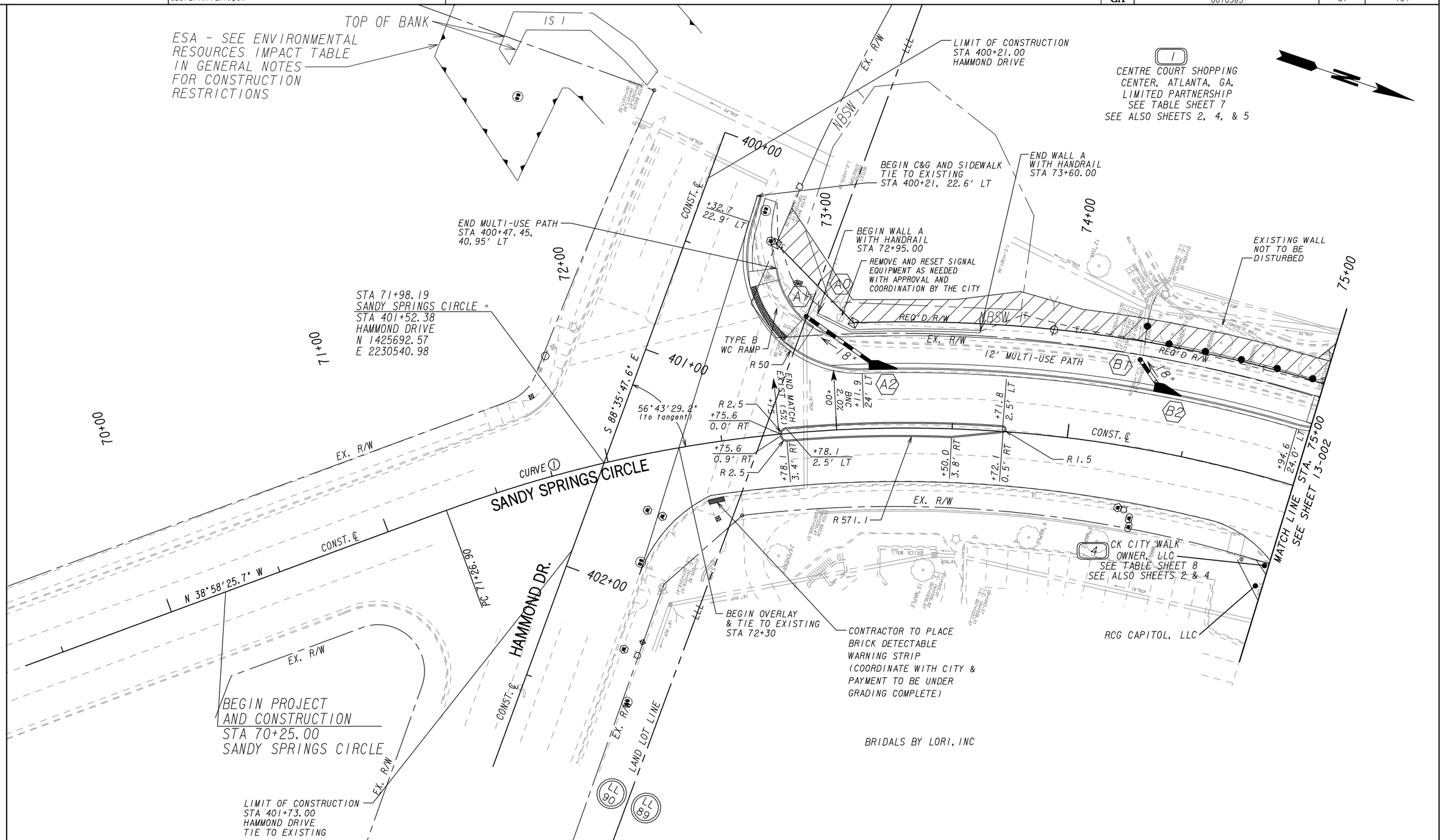
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# CONSTRUCTION LAYOUT

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 11-001

1/5/2009 GPLN




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | — C — F — |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

REVISION DATES

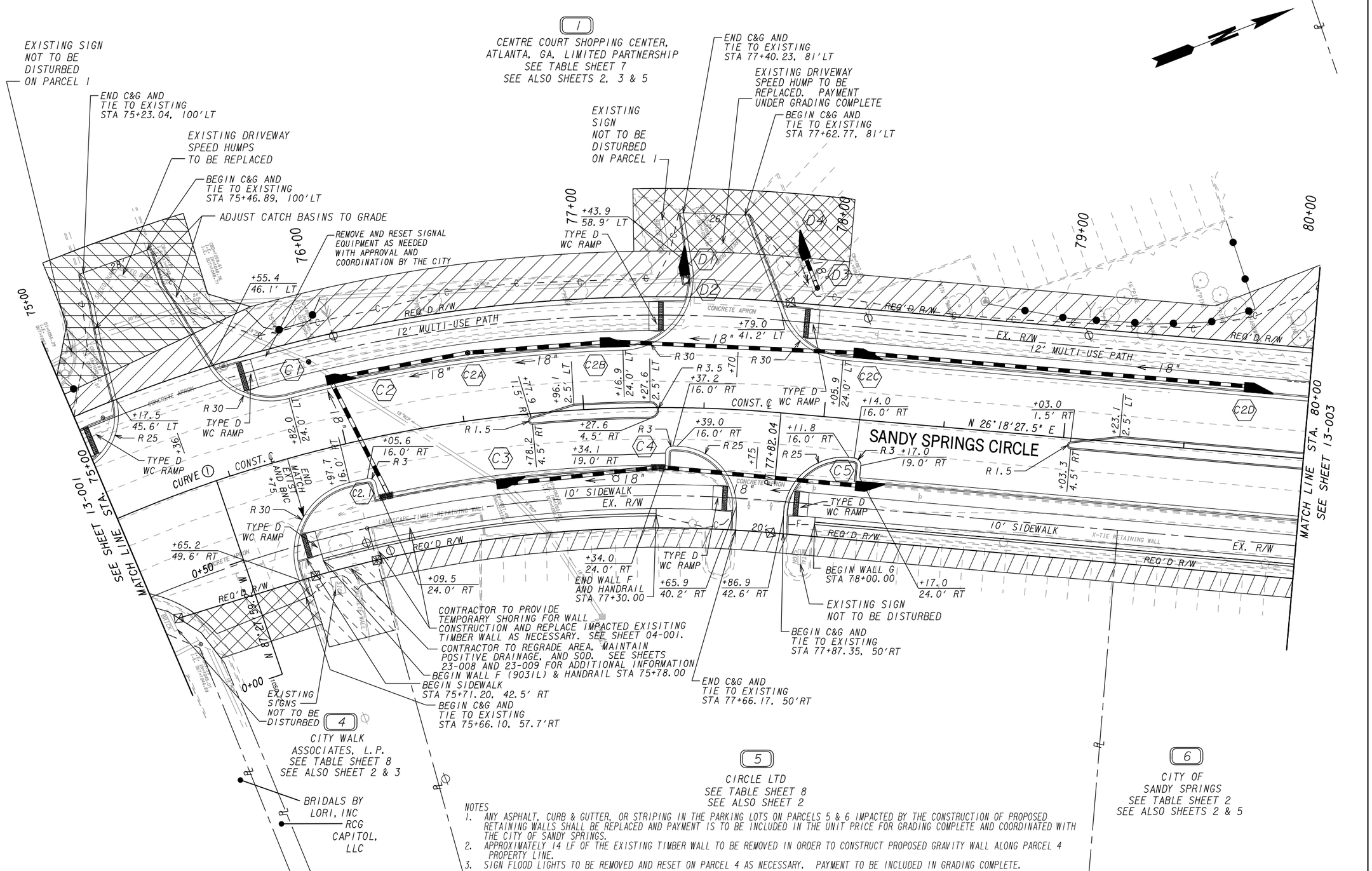
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

MAINLINE PLAN

SANDY SPRINGS CIRCLE STREETSCAPE
BEGIN PROJECT TO STA. 75+00

DRAWING No. 13-001

1/5/2009 GPLN




NOTES
1. ANY ASPHALT, CURB & GUTTER, OR STRIPING IN THE PARKING LOTS ON PARCELS 5 & 6 IMPACTED BY THE CONSTRUCTION OF PROPOSED RETAINING WALLS SHALL BE REPLACED AND PAYMENT IS TO BE INCLUDED IN THE UNIT PRICE FOR GRADING COMPLETE AND COORDINATED WITH THE CITY OF SANDY SPRINGS.
2. APPROXIMATELY 14 LF OF THE EXISTING TIMBER WALL TO BE REMOVED IN ORDER TO CONSTRUCT PROPOSED GRAVITY WALL ALONG PARCEL 4 PROPERTY LINE.
3. SIGN FLOOD LIGHTS TO BE REMOVED AND RESET ON PARCEL 4 AS NECESSARY. PAYMENT TO BE INCLUDED IN GRADING COMPLETE.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

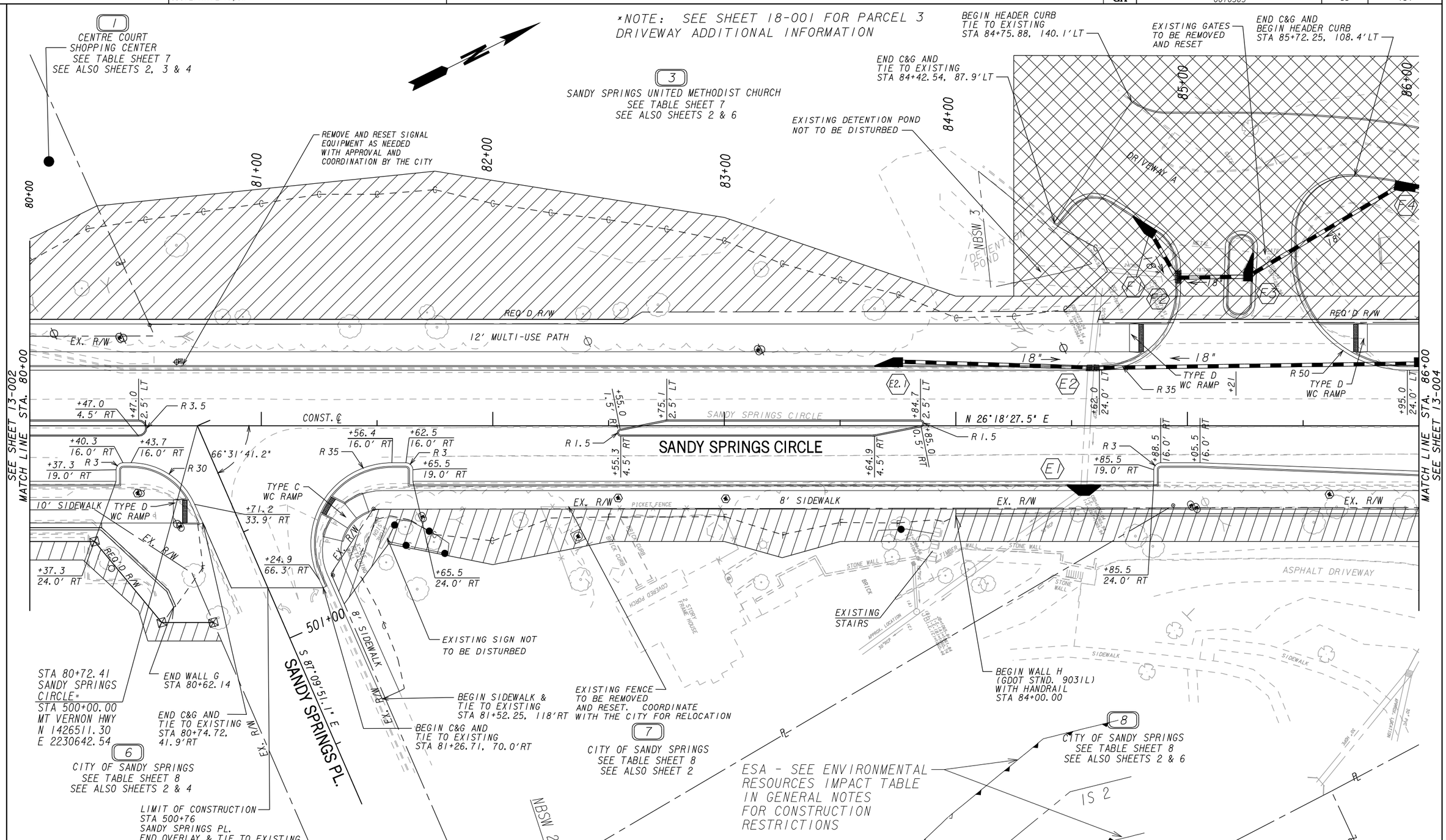
| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

MAINLINE PLAN
SANDY SPRINGS CIRCLE STREETSCAPE
STA. 75+00 TO STA. 80+00

DRAWING No. 13-002

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

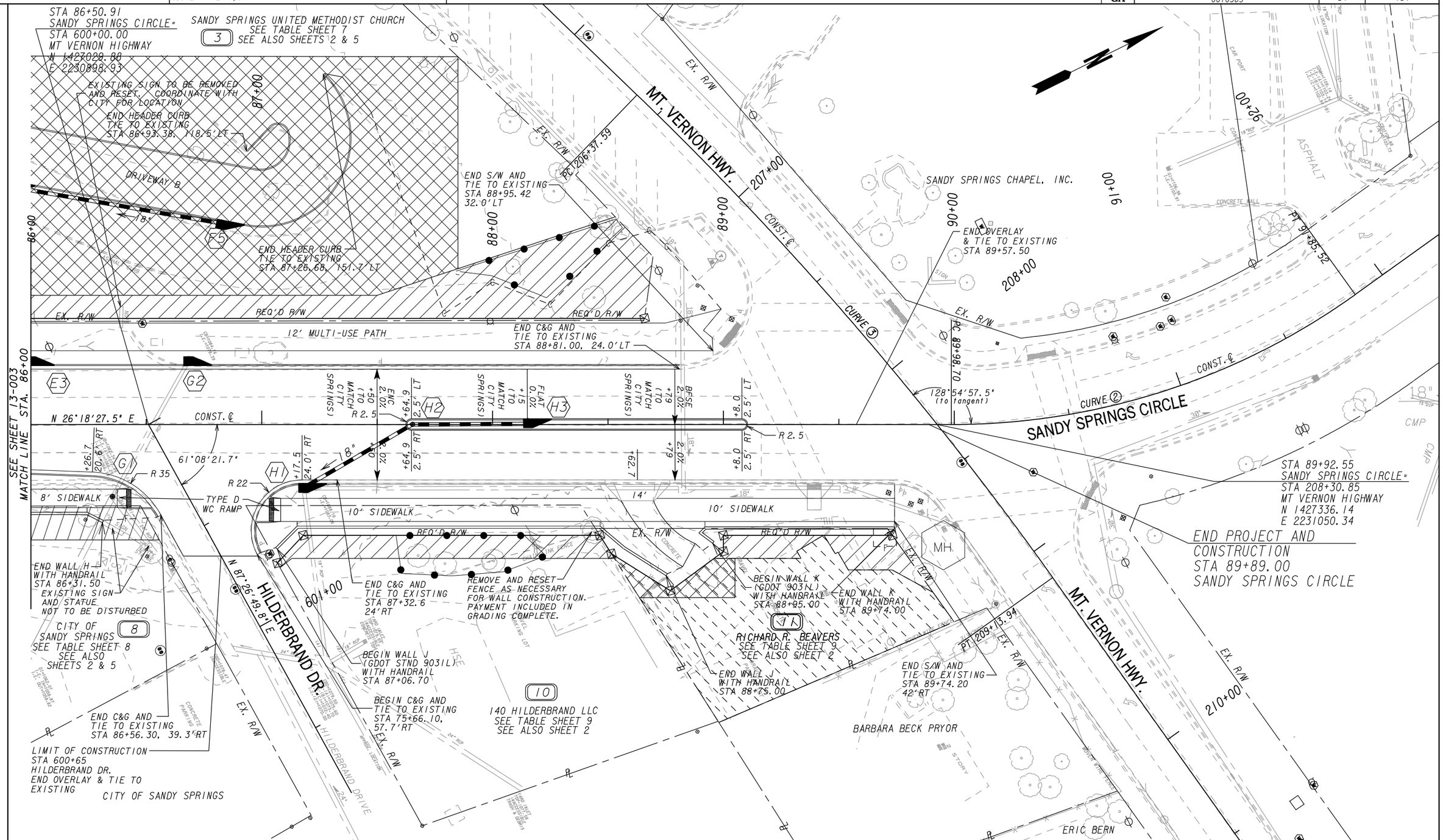
| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# MAINLINE PLAN

SANDY SPRINGS CIRCLE STREETSCAPE
STA. 80+00 TO STA. 86+00

DRAWING No. 13-003




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

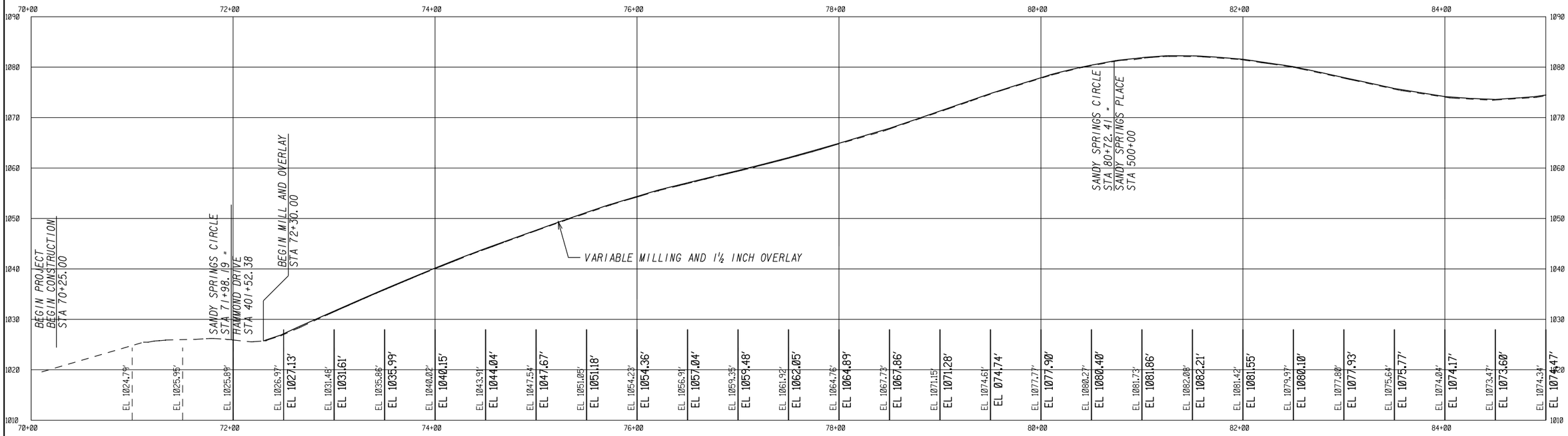
| REVISION DATES | | |
|---|---|---|
| | | |

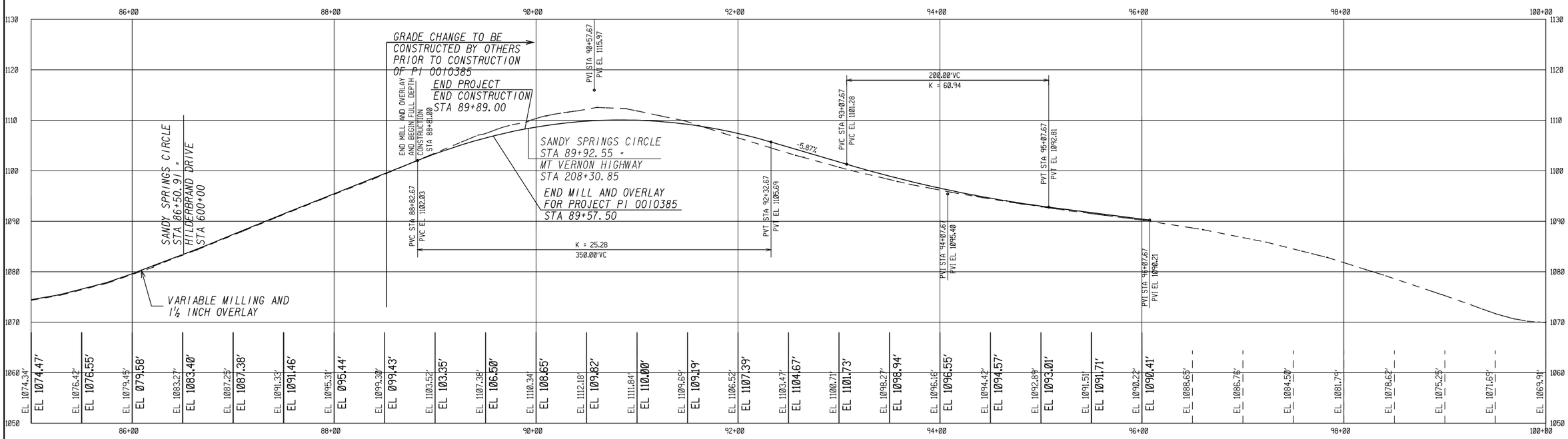
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# MAINLINE PLAN

SANDY SPRINGS CIRCLE
STREETSCAPE
STA. 86+00 TO END PROJECT

DRAWING No. 13-004




SCALE: 1' = 50' HORIZ.
1' = 10' VERT.

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SANDY SPRINGS GEORGIA

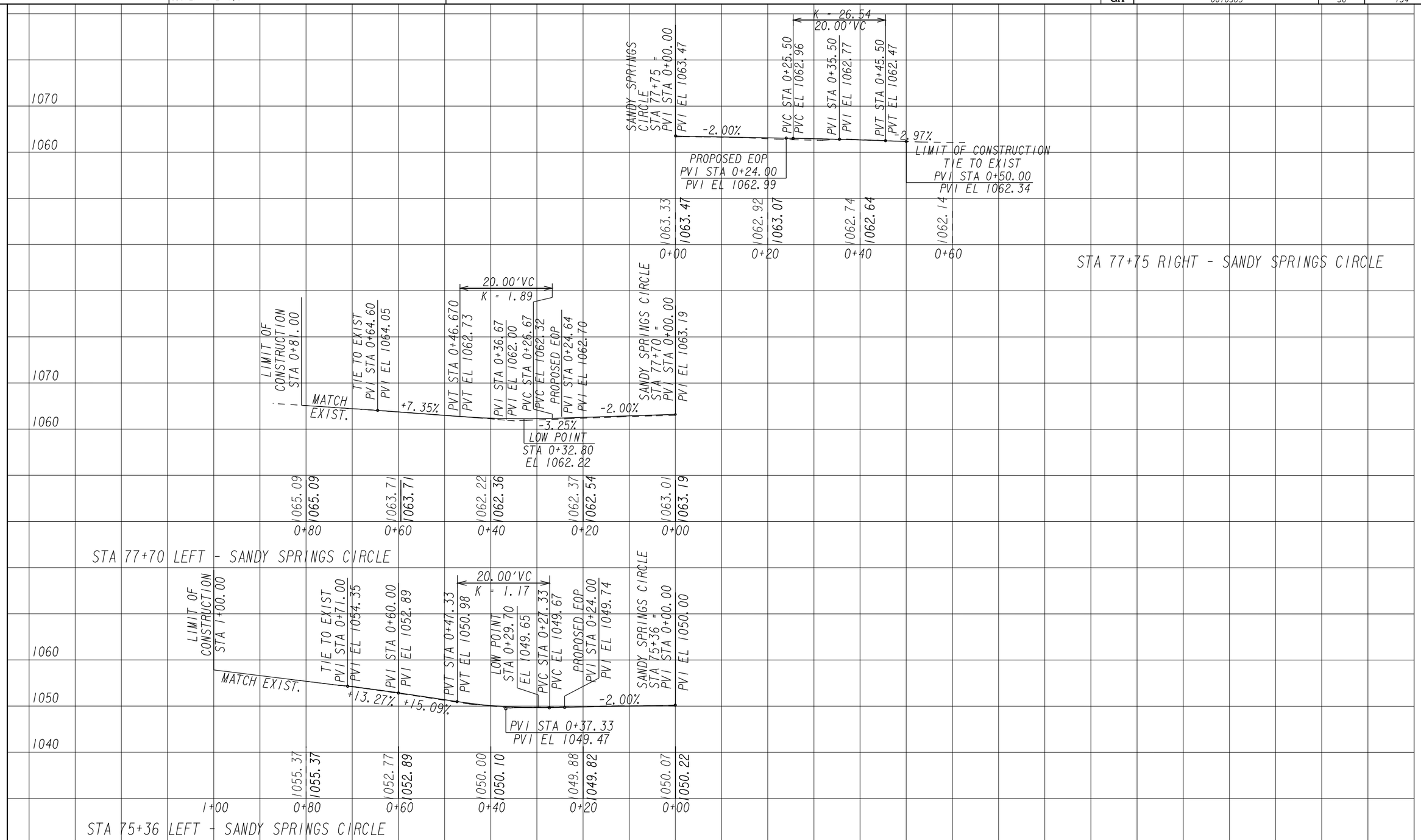
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# MAINLINE PROFILE

SANDY SPRINGS CIRCLE

DRAWING No. 15-001




SCALE:
1' = 10' HORIZONTAL
1" = 10' VERTICAL

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

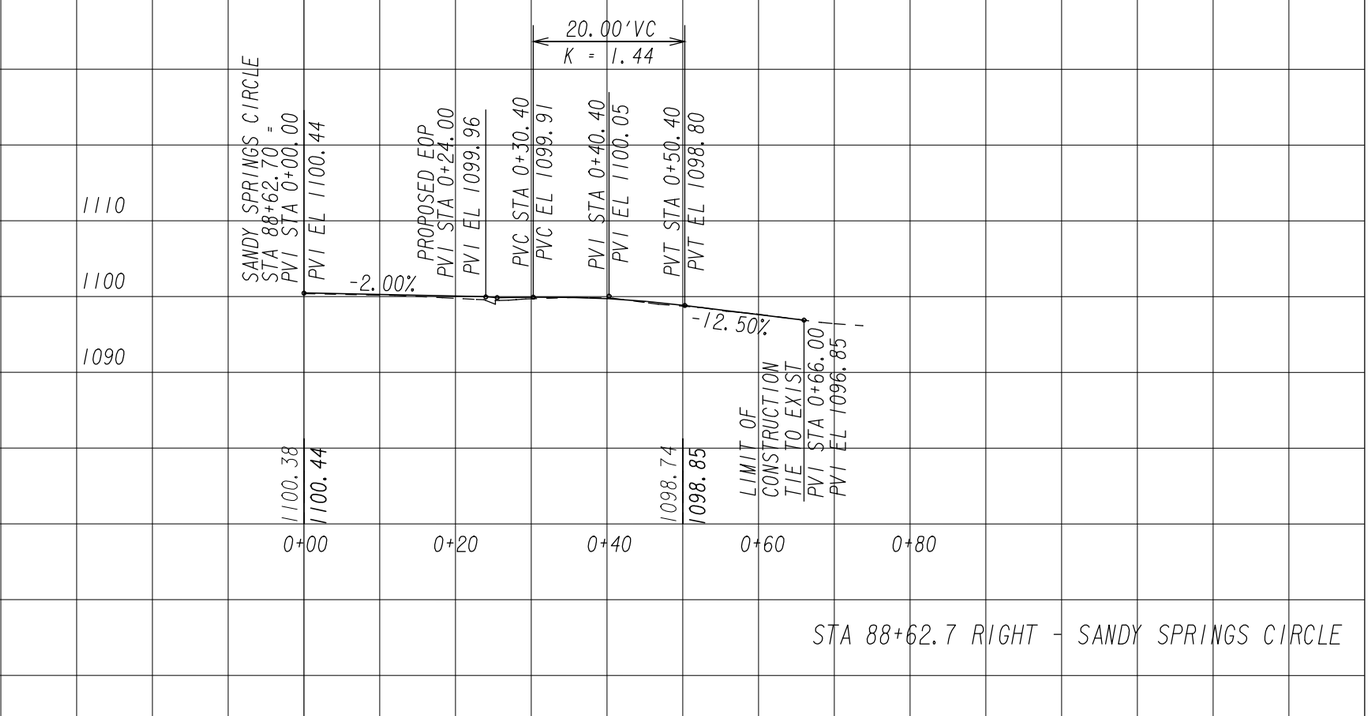
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

DRIVEWAY PROFILES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 17-001




STA 88+62.7 RIGHT - SANDY SPRINGS CIRCLE

SCALE:
1' = 10' HORIZONTAL
1" = 10' VERTICAL

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

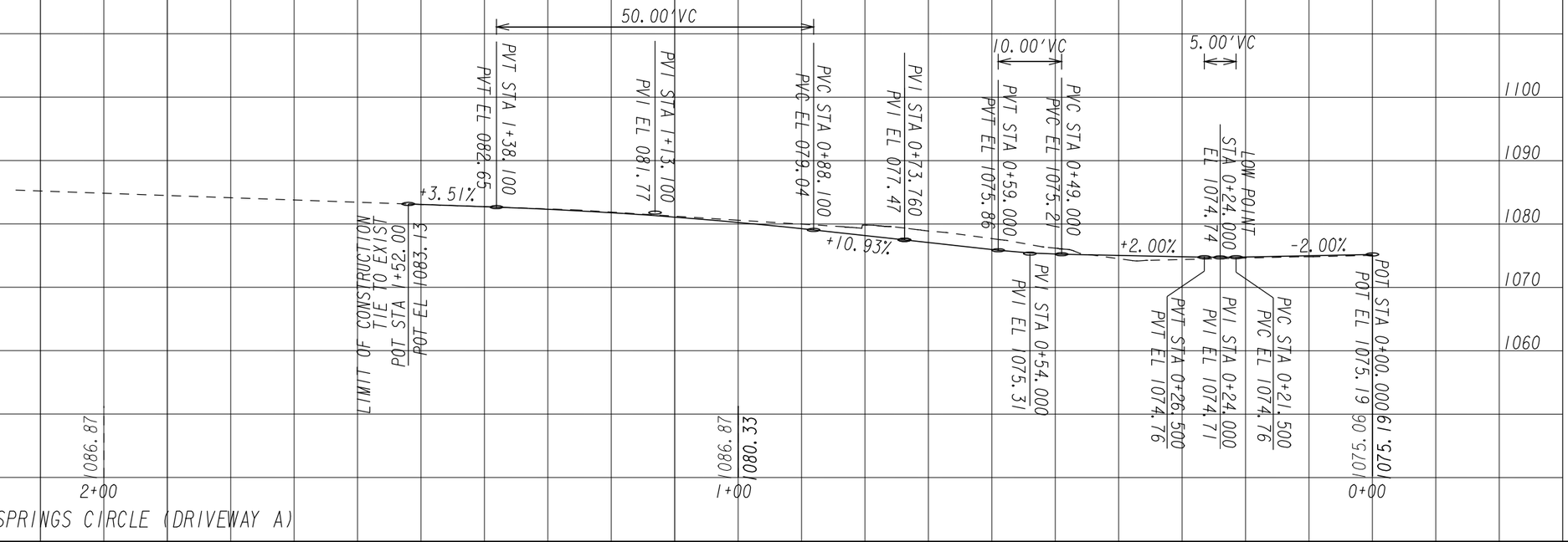
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

DRIVEWAY PROFILES

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 17-002

1/5/2009 SUXEN




STA 85+21 LEFT - SANDY SPRINGS CIRCLE (DRIVEWAY A)

SCALE:
1' = 10' HORIZONTAL
1" = 10' VERTICAL

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

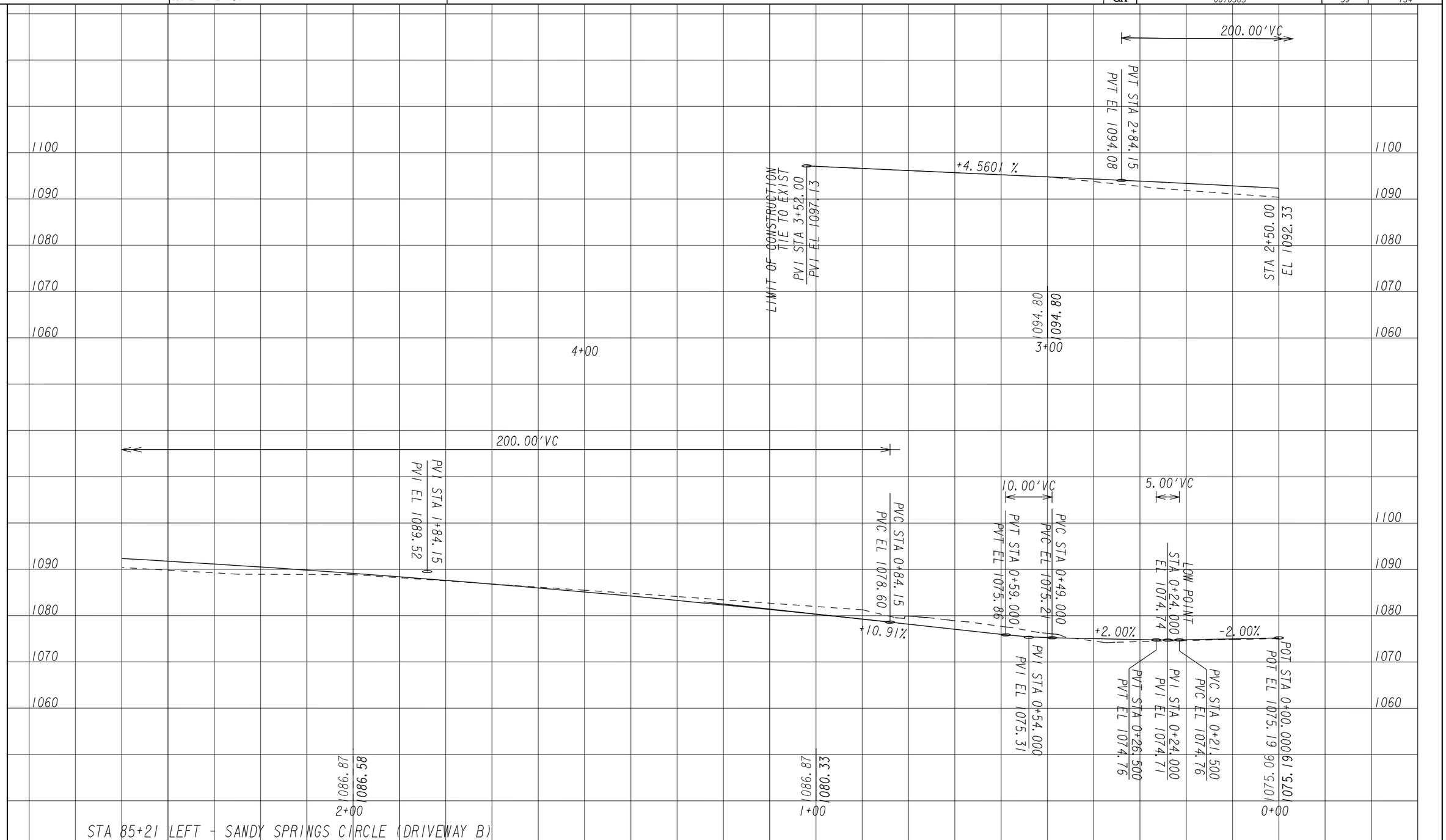
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# DRIVEWAY PROFILES

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 17-003




STA 85+21 LEFT - SANDY SPRINGS CIRCLE (DRIVEWAY B)

SCALE:
1' = 10' HORIZONTAL
1" = 10' VERTICAL

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

DRIVEWAY PROFILES

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 17-004

**CURVE # 4**
**DRIVEWAY A**

| | |
|---|---|
| P. I. STA. | = 0+88.16 |
| P. I. | = N 1426952.498 |
| | E 2230762.333 |
| △ | = -59°52′04.3″ |
| DEG | = 229°10′59.2″ |
| R | = 25′ |
| T | = 14.40′ |
| L | = 26.12′ |
| P. C. STA. | = 0+73.76 |
| P. T. STA. | = 0+99.88 |

**CURVE # 5**
**DRIVEWAY A**

| | |
|---|---|
| P. I. STA. | = 1+46.02 |
| P. I. | = N 1426919.034 |
| | E 2230711.889 |
| △ | = -17°58′09.5″ |
| DEG | = 92°24′45.2″ |
| R | = 62′ |
| T | = 9.80′ |
| L | = 19.44′ |
| P. C. STA. | = 1+36.22 |
| P. T. STA. | = 1+55.66 |

**CURVE # 6**
**DRIVEWAY A**

| | |
|---|---|
| P. I. STA. | = 1+62.43 |
| P. I. | = N 1426906.059 |
| | E 2230701.579 |
| △ | = 20°11′52.5″ |
| DEG | = 150°46′42.1″ |
| R | = 38′ |
| T | = 6.77′ |
| L | = 13.40′ |
| P. C. STA. | = 1+55.67 |
| P. T. STA. | = 1+69.06 |

**CURVE # 7**
**DRIVEWAY B**

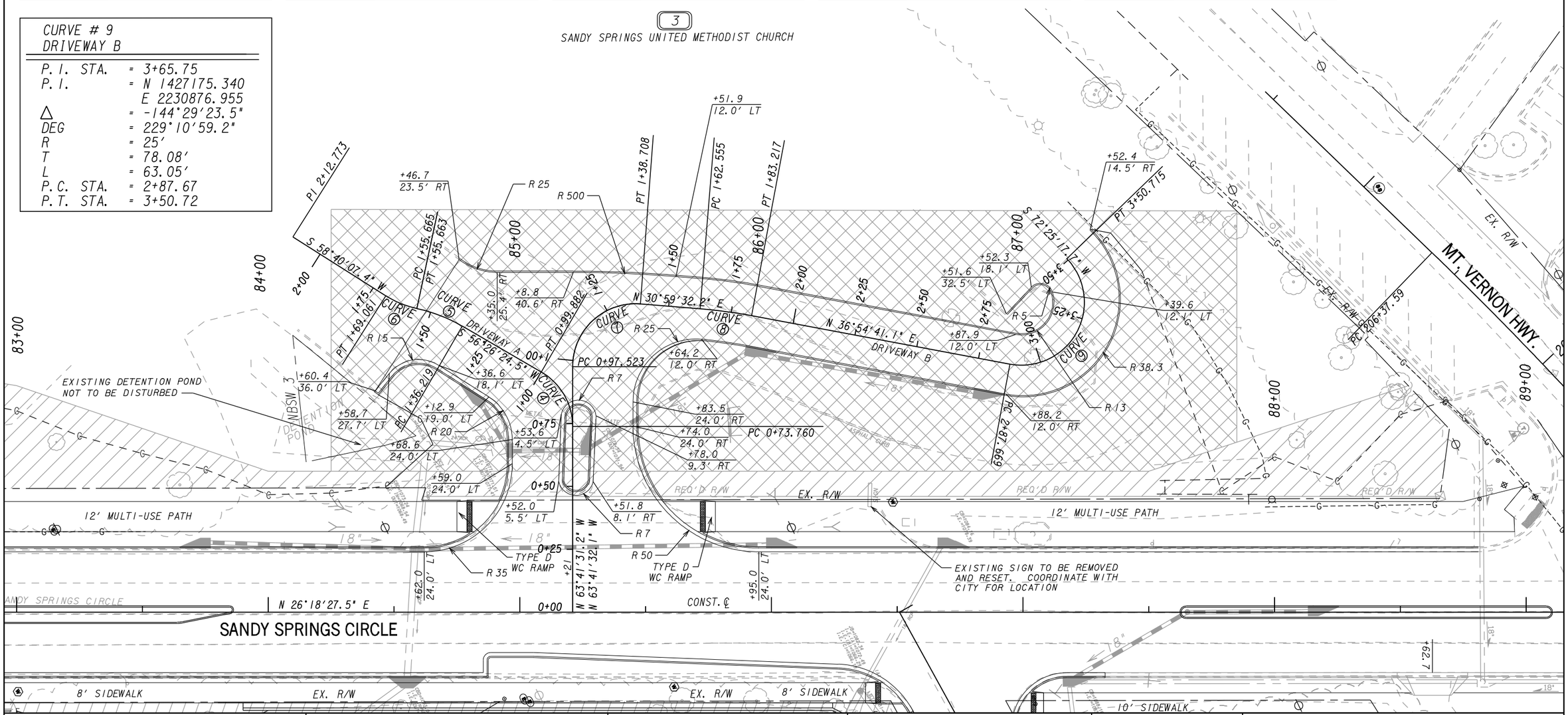
| | |
|---|---|
| P. I. STA. | = 1+24.52 |
| P. I. | = N 1426968.612 |
| | E 2230729.739 |
| △ | = 94°23′18.2″ |
| DEG | = 229°10′59.2″ |
| R | = 25′ |
| T | = 26.99′ |
| L | = 41.19′ |
| P. C. STA. | = 0+97.52 |
| P. T. STA. | = 1+38.71 |

**CURVE # 8**
**DRIVEWAY B**

| | |
|---|---|
| P. I. STA. | = 1+72.90 |
| P. I. | = N 1427021.129 |
| | E 2230761.122 |
| △ | = 5°55′09.0″ |
| DEG | = 28°38′52.4″ |
| R | = 200′ |
| T | = 10.34′ |
| L | = 20.66′ |
| P. C. STA. | = 1+62.56 |
| P. T. STA. | = 1+83.22 |

**CURVE # 9**
**DRIVEWAY B**

| | |
|---|---|
| P. I. STA. | = 3+65.75 |
| P. I. | = N 1427175.340 |
| | E 2230876.955 |
| △ | = -144°29′23.5″ |
| DEG | = 229°10′59.2″ |
| R | = 25′ |
| T | = 78.08′ |
| L | = 63.05′ |
| P. C. STA. | = 2+87.67 |
| P. T. STA. | = 3+50.72 |




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ′D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

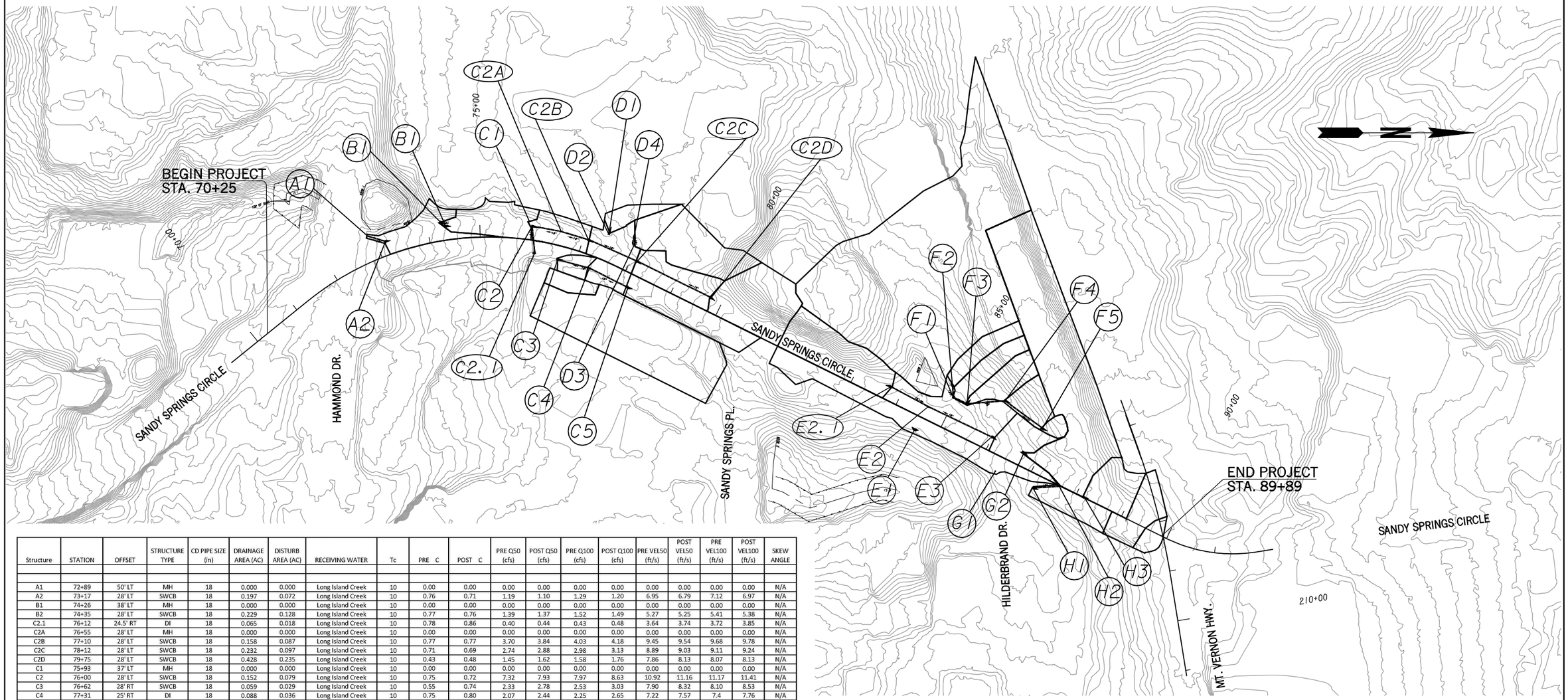
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# SPECIAL GRADING PLAN

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 18-001




| Structure | STATION | OFFSET | STRUCTURE TYPE | CD PIPE SIZE (in) | DRAINAGE AREA (AC) | DISTURB AREA (AC) | RECEIVING WATER | Tc | PRE C | POST C | PRE Q50 (cfs) | POST Q50 (cfs) | PRE Q100 (cfs) | POST Q100 (cfs) | PRE VEL50 (ft/s) | POST VEL50 (ft/s) | PRE VEL100 (ft/s) | POST VEL100 (ft/s) | SKEW ANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A1 | 72+89 | 50' LT | MH | 18 | 0.000 | 0.000 | Long Island Creek | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| A2 | 73+17 | 28' LT | SWCB | 18 | 0.197 | 0.072 | Long Island Creek | 10 | 0.76 | 0.71 | 1.19 | 1.10 | 1.29 | 1.20 | 6.95 | 6.79 | 7.12 | 6.97 | N/A |
| B1 | 74+26 | 38' LT | MH | 18 | 0.000 | 0.000 | Long Island Creek | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| B2 | 74+35 | 28' LT | SWCB | 18 | 0.229 | 0.128 | Long Island Creek | 10 | 0.77 | 0.76 | 1.39 | 1.37 | 1.52 | 1.49 | 5.27 | 5.25 | 5.41 | 5.38 | N/A |
| C2.1 | 76+12 | 24.5' RT | DI | 18 | 0.065 | 0.018 | Long Island Creek | 10 | 0.78 | 0.86 | 0.40 | 0.44 | 0.43 | 0.48 | 3.64 | 3.74 | 3.72 | 3.85 | N/A |
| C2A | 76+55 | 28' LT | MH | 18 | 0.000 | 0.000 | Long Island Creek | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| C2B | 77+10 | 28' LT | SWCB | 18 | 0.158 | 0.087 | Long Island Creek | 10 | 0.77 | 0.77 | 3.70 | 3.84 | 4.03 | 4.18 | 9.45 | 9.54 | 9.68 | 9.78 | N/A |
| C2C | 78+12 | 28' LT | SWCB | 18 | 0.232 | 0.097 | Long Island Creek | 10 | 0.71 | 0.69 | 2.74 | 2.88 | 2.98 | 3.13 | 8.89 | 9.03 | 9.11 | 9.24 | N/A |
| C2D | 79+75 | 28' LT | SWCB | 18 | 0.428 | 0.235 | Long Island Creek | 10 | 0.43 | 0.48 | 1.45 | 1.62 | 1.58 | 1.76 | 7.86 | 8.13 | 8.07 | 8.13 | N/A |
| C1 | 75+93 | 37' LT | MH | 18 | 0.000 | 0.000 | Long Island Creek | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| C2 | 76+00 | 28' LT | SWCB | 18 | 0.152 | 0.079 | Long Island Creek | 10 | 0.75 | 0.72 | 7.32 | 7.93 | 7.97 | 8.63 | 10.92 | 11.16 | 11.17 | 11.41 | N/A |
| C3 | 76+62 | 28' RT | SWCB | 18 | 0.059 | 0.029 | Long Island Creek | 10 | 0.55 | 0.74 | 2.33 | 2.78 | 2.53 | 3.03 | 7.90 | 8.32 | 8.10 | 8.53 | N/A |
| C4 | 77+31 | 25' RT | DI | 18 | 0.088 | 0.036 | Long Island Creek | 10 | 0.75 | 0.80 | 2.07 | 2.44 | 2.25 | 2.65 | 7.22 | 7.57 | 7.4 | 7.76 | N/A |
| C5 | 78+18 | 28' RT | SWCB | 18 | 0.280 | 0.127 | Long Island Creek | 10 | 0.70 | 0.85 | 1.54 | 1.88 | 1.68 | 2.05 | 8.01 | 8.49 | 8.22 | 8.71 | N/A |
| D1 | 77+41 | 57' LT | SWCB | 18 | 0.084 | 0.011 | Long Island Creek | 10 | 0.89 | 0.89 | 0.59 | 0.59 | 0.64 | 0.64 | 4.09 | 4.09 | 4.2 | 4.20 | N/A |
| D2 | 77+42 | 53' LT | JB | 18 | 0.000 | 0.000 | Long Island Creek | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| D3 | 77+93 | 53' LT | MH | 18 | 0.000 | 0.000 | Long Island Creek | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| D4 | 77+86 | 66' LT | SWCB | 18 | 0.088 | 0.000 | Long Island Creek | 10 | 0.75 | 3.71 | 2.58 | 2.58 | 2.81 | 2.81 | 7.29 | 7.29 | 7.47 | 7.47 | N/A |
| E1 | 84+56 | 28' RT | DWCB | 18 | 0.440 | 0.143 | Long Island Creek | 10 | 0.81 | 0.85 | 8.88 | 9.82 | 9.67 | 10.69 | 13.06 | 13.41 | 13.36 | 13.71 | N/A |
| E2 | 84+60 | 25' LT | DI | 18 | 0.373 | 0.244 | Long Island Creek | 10 | 0.65 | 0.71 | 4.52 | 4.92 | 4.92 | 5.36 | 9.41 | 9.65 | 9.65 | 9.91 | N/A |
| E3 | 86+00 | 28' LT | SWCB | 18 | 0.187 | 0.119 | Long Island Creek | 10 | 0.71 | 0.60 | 1.05 | 0.88 | 1.14 | 0.96 | 4.85 | 4.61 | 4.85 | 4.73 | N/A |
| E2.1 | 83+75 | 28' LT | SWCB | 18 | 0.409 | 0.279 | Long Island Creek | 10 | 0.48 | 0.60 | 1.56 | 1.94 | 1.70 | 2.12 | 4.93 | 5.24 | 5.05 | 5.38 | N/A |
| F1 | 84+84 | 83.8' LT | SWCB | 18 | 0.130 | 0.033 | Long Island Creek | 10 | 0.40 | 0.43 | 0.41 | 0.44 | 0.44 | 0.48 | 5.39 | 5.50 | 5.5 | 5.63 | N/A |
| F2 | 84+96 | 64.5' LT | DI | 18 | 0.145 | 0.061 | Long Island Creek | 10 | 0.23 | 0.79 | 2.55 | 3.15 | 2.78 | 3.43 | 4.65 | 4.95 | 4.77 | 5.07 | N/A |
| F3 | 85+26 | 65' LT | SWCB | 18 | 0.155 | 0.063 | Long Island Creek | 10 | 0.46 | 0.48 | 1.43 | 1.80 | 1.56 | 1.96 | 3.91 | 4.44 | 4.01 | 4.55 | N/A |
| F4 | 85+92 | 103.5' LT | SWCB | 18 | 0.132 | 0.067 | Long Island Creek | 10 | 0.36 | 0.52 | 0.46 | 0.77 | 0.50 | 0.83 | 6.17 | 7.19 | 6.32 | 7.36 | N/A |
| F5 | 86+82 | 86.5' LT | SWCB | 18 | 0.038 | 0.032 | Long Island Creek | 10 | 0.29 | 0.73 | 0.09 | 0.22 | 0.09 | 0.24 | 3.40 | 4.49 | 3.40 | 4.61 | N/A |
| G1 | 86+35.5 | 31' RT | MH | 18 | 0.000 | 0.000 | Long Island Creek | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| G2 | 86+68 | 28' LT | SWCB | 18 | 1.453 | 0.182 | Long Island Creek | 10 | 0.57 | 0.50 | 6.59 | 5.70 | 7.18 | 6.21 | 13.39 | 13.42 | 13.72 | 13.75 | N/A |
| H1 | 87+18 | 28' RT | SWCB | 18 | 0.158 | 0.080 | Long Island Creek | 10 | 0.63 | 0.85 | 1.40 | 1.91 | 1.53 | 2.08 | 8.41 | 9.23 | 8.64 | 9.46 | N/A |
| H2 | 87+65 | 0' LT | MH | 18 | 0.000 | 0.000 | Long Island Creek | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A |
| H3 | 88+15 | 28' RT | SWCB | 18 | 0.194 | 0.083 | Long Island Creek | 10 | 0.50 | 0.59 | 0.76 | 0.90 | 0.83 | 0.98 | 6.09 | 7.36 | 6.25 | 7.58 | N/A |

TOTAL PROJECT AREA = 6.25 AC
TOTAL DISTURBED AREA = 2.31 AC

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 100 200 400

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DEPARTMENT OF PUBLIC WORKS

# DRAINAGE AREA MAP

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 21-001

1/5/2009 GPLN

A-1
STA 72+89, 50' LT.
SANDY SPRINGS CIRCLE
CONVERT EXIST. SWCB TO
MANHOLE GDOT STND. 1011A
TOP 1028.48
INV IN 18"(A2) 1025.28
INV OUT 1025.08
HT: 3.90'

A-2
STA 73+17, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1033.04
INV OUT 1027.73
HT: 5.81'

B-1
STA 74+26, 38' LT.
SANDY SPRINGS CIRCLE
CONVERT EXIST. SWCB TO
MANHOLE GDOT STND. 1011A
TOP 1042.08
INV IN (B2) 1038.16
INV OUT 1037.76
HT: 4.83'

B-2
STA 74+35, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1042.77
INV OUT 1038.44
HT: 4.83'

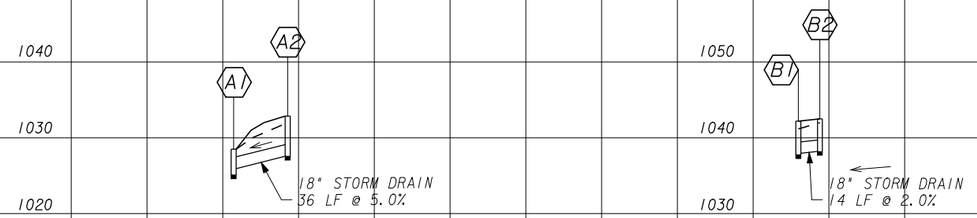
C-1
STA 75+93, 37' LT.
SANDY SPRINGS CIRCLE
CONVERT EXIST. SWCB TO
MANHOLE GDOT STND. 1011A
TOP 1053.80
INV IN (C2) 1049.42
INV OUT 1049.06
HT: 5.24'

C-2
STA 76+00, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1054.25
INV IN (C3) 1049.89
INV IN (C2A) 1050.15
INV IN (C2.1) 1050.48.
INV OUT 1049.75
HT: 5.00'

C-3
STA 76+62, 28' RT.
SANDY SPRINGS CIRCLE
RECONSTRUCT
EXISTING SWCB
GDOT STND. 1033D
TOP 1057.55
INV IN (C4) 1054.15
INV IN (18") 1053.96
INV OUT 1053.15
HT: 4.90'

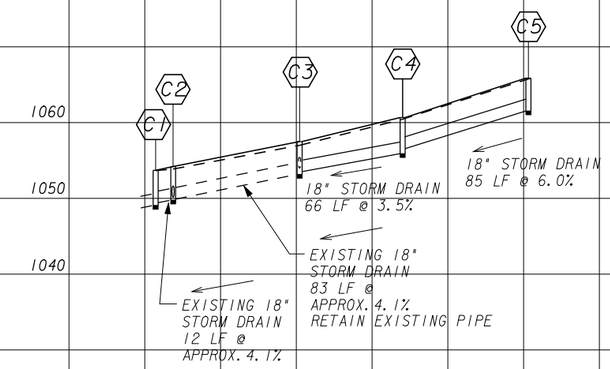
C-4
STA 77+31, 25' RT.
SANDY SPRINGS CIRCLE
DOUBLE GRATE
DROP INLET
GDOT STND. 1019A & 9031L
TOP 1060.60
INV IN 1056.46
INV OUT 1055.90
HT: 5.25'

C-5
STA 78+18, 28' RT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1065.89
INV OUT 1061.56
HT: 4.83'









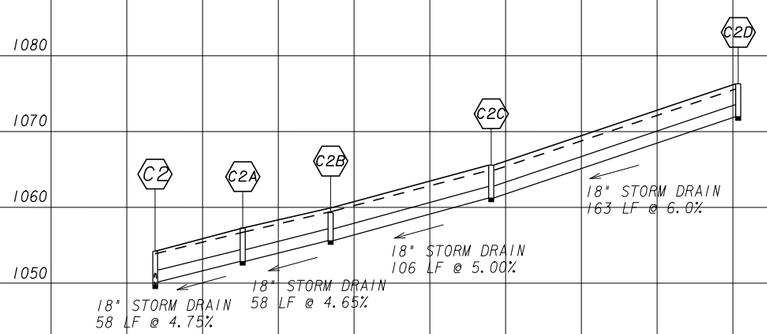

C-2
STA 76+00, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1054.25
INV IN (C3) 1049.89
INV IN (C2A) 1050.15
INV OUT 1049.75
HT: 5.00'

C-2A
STA 76+55, 28' LT.
SANDY SPRINGS CIRCLE
MH GDOT STND. 1011A
TOP 1057.20
INV IN (C2A) 1052.90
INV OUT 1052.90
HT: 4.83'

C-2B
STA 77+10, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1059.90
INV IN (C2C) 1055.60
INV OUT 1055.60
HT: 4.83'

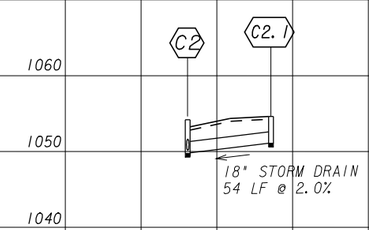
C-2C
STA 78+12, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1065.21
INV IN (C2D) 1062.10
INV OUT 1060.88
HT: 4.83'

C-2D
STA 79+75, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1076.21
INV IN (C2E) 1072.77
INV OUT 1071.88
HT: 4.83'




C-2
STA 76+00, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1054.25
INV IN (C3) 1049.89
INV IN (C2A) 1050.15
INV IN (C2.1) 1050.48
INV OUT 1049.75
HT: 5.00'

C-2.1
STA 76+12, 24.50' RT.
SANDY SPRINGS CIRCLE
DOUBLE GRATE DROP INLET, TYPE E
GDOT STND. 1019A & 9031L
TOP 1054.60
INV OUT 1051.56
HT: 3.54'




SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

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DEPARTMENT OF PUBLIC WORKS

# DRAINAGE CROSS SECTIONS

SANDY SPRINGS CIRCLE
STREETSCAPE

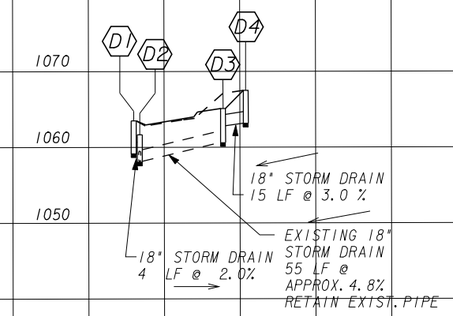
DRAWING No. 22-001

D-1
STA 77+41, 57' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1063.50
INV OUT 1059.17
HT: 4.83'

D-2
STA 77+42, 53' LT.
SANDY SPRINGS CIRCLE
CONVERT EXIST. SWCB TO
JUNCTION BOX GDOT STND. 9031U
TOP 1063.26
INV IN (D1) 1059.09
INV IN (D3) 1058.16
INV OUT 1058.06
HT: 5.70'

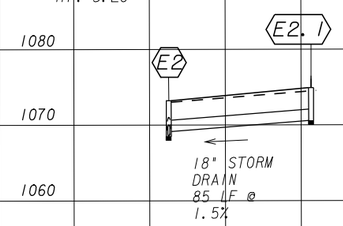
D-3
STA 77+93, 53' LT.
SANDY SPRINGS CIRCLE
CONVERT EXIST. SWCB TO
MANHOLE GDOT STND. 1011A
TOP 1067.23
INV IN 1062.72
INV OUT 1060.63
HT: 7.10'

D-4
STA 77+86, 66' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1067.50
INV OUT 1063.17
HT: 4.83'




E-2
STA 84+60, 25' LT., TYPE E
SANDY SPRINGS CIRCLE
RECONSTRUCT EXISTING
DWCB INTO DOUBLE GRATE
DROP INLET GDOT STND.
1019A AND 9031L
TOP 1073.25
INV IN (30") 1069.51
INV IN (E3) 1069.30
INV IN (E2.1) 1069.16
INV OUT 1068.49
HT: 5.26'

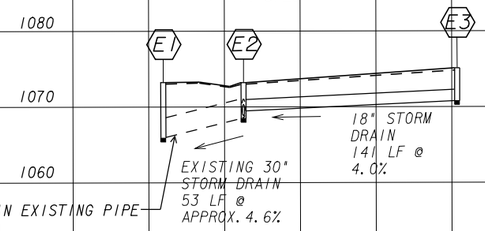
E-2.1
STA 83+75, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1074.90
INV OUT 1070.57
HT: 4.83'




E-1
STA 84+56, 28' RT.
SANDY SPRINGS CIRCLE
ADJUST EXISTING DWCB TO GRADE
GDOT STND. 1034D
TOP 1073.57
INV IN (E2) 1065.94
INV OUT 1065.94
HT: 8.3'

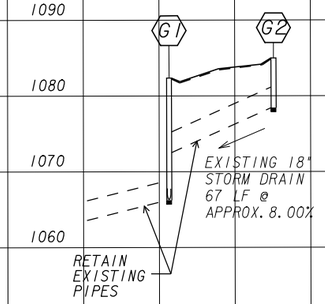
E-2
STA 84+60, 25' LT.
SANDY SPRINGS CIRCLE
RECONSTRUCT EXISTING
DWCB INTO DOUBLE GRATE
DROP INLET, TYPE E
GDOT STND. 1019A & 9031L
TOP 1073.25
INV IN (30") 1068.54
INV IN (E3) 1069.51
INV IN (E2.1) 1069.30
INV OUT 1068.49
HT: 5.26'

E-3
STA 86+00, 28' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1079.48
INV OUT 1075.15
HT: 4.83'




G-1
STA 86+35.5, 31' RT.
SANDY SPRINGS CIRCLE
ADJUST EXISTING MH TO GRADE
GDOT STND. 1011A
TOP 1082.35
INV IN (G2) 1072.49
INV IN (24") 1066.29
INV OUT (30") 1066.19
HT: 16.66'

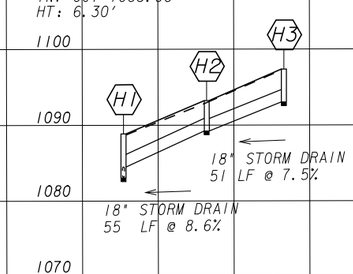
G-2
STA 86+68, 28' LT.
SANDY SPRINGS CIRCLE
ADJUST EXISTING SWCB TO GRADE
GDOT STND. 1033D
TOP 1084.70
INV OUT 1078.39
HT: 6.81'




H-2
STA 87+65, 0' RLT/RT.
SANDY SPRINGS CIRCLE
MH GDOT STND. 1011A
TOP 1093.24
INV IN 1089.24
INV OUT 1089.24
HT: 4.50'

H-1
STA 87+18, 28' RT.
SANDY SPRINGS CIRCLE
RECONSTRUCT EXISTING SWCB
GDOT STND. 1033D
TOP 1088.86
IN (H2) 1084.50
IN (18") 1083.06
INV OUT 1083.06
HT: 6.30'

H-3
STA 88+15, 0.5' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1097.39
INV OUT 1093.06
HT: 4.83'



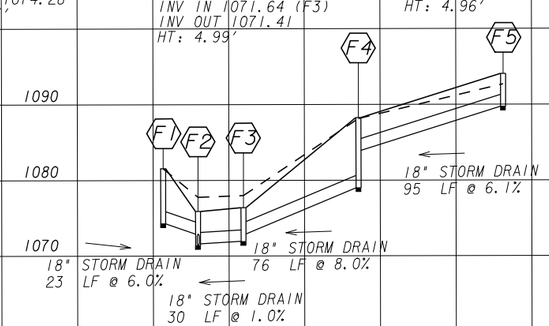

F-1
STA 84+84, 83.8' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1081.55
INV OUT 1074.28
HT: 7.77'

F-2
STA 84+96, 64.5' LT.
SANDY SPRINGS CIRCLE
DOUBLE GRATE DROP INLET,
TYPE E
GDOT STND. 1019A & 9031L
TOP 1075.90
INV IN 1072.90 (F1)
INV IN 1071.64 (F3)
INV OUT 1071.41
HT: 4.99'

F-3
STA 85+26, 65' LT.
SANDY SPRINGS CIRCLE
RECONSTRUCT EXISTING
SWCB GDOT STND. 1033D
TOP 1076.40
INV IN (F4) 1072.92
INV OUT 1071.94
HT: 4.96'

F-4
STA 85+92, 103.5' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1088.25
INV IN (F5) 1083.93
INV OUT 1079.00
HT: 9.75'

F-5
STA 86+82, 86.5' LT.
SANDY SPRINGS CIRCLE
SWCB GDOT STND. 1033D
TOP 1094.05
INV OUT 1089.72
HT: 4.83'




SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

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SANDY SPRINGS GEORGIA

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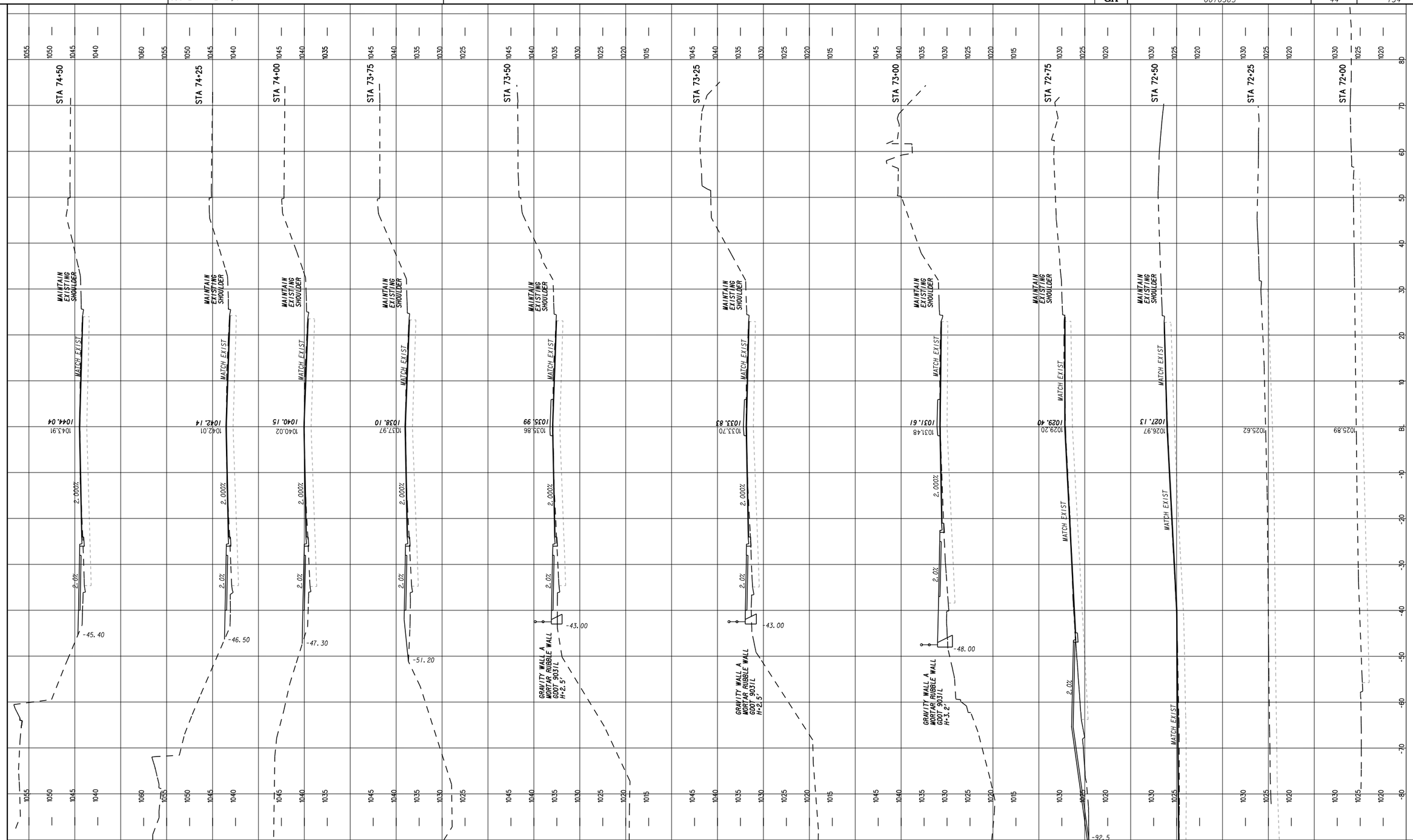
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# DRAINAGE CROSS SECTIONS

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 22-002




SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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REVISION DATES

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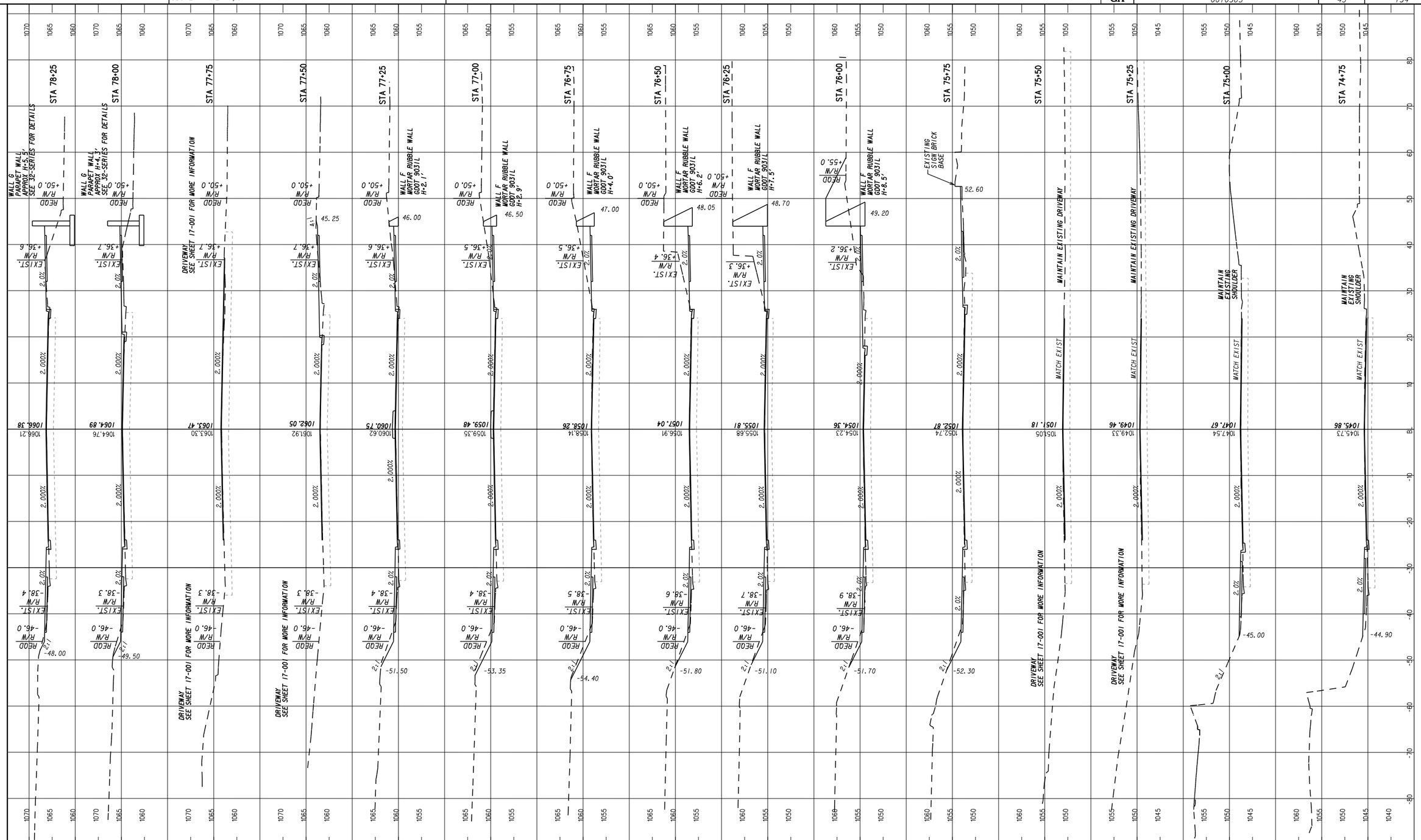
DEPARTMENT OF PUBLIC WORKS

# CROSS SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 23-001




SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

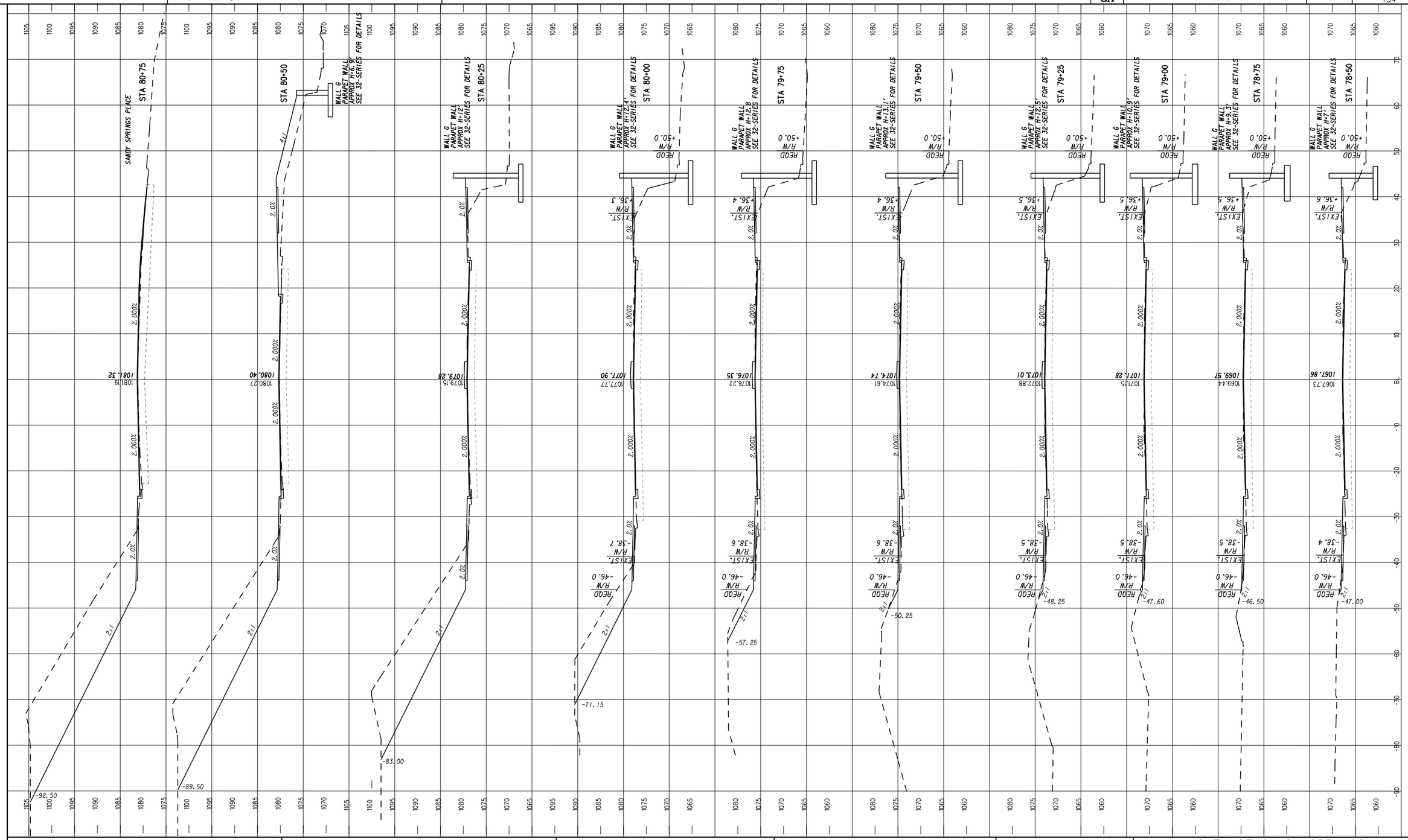
# CROSS SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 23-002

1/5/2009 SUXEN

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA | 0010385 | 46 | 134 |




SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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SANDY SPRINGS GEORGIA

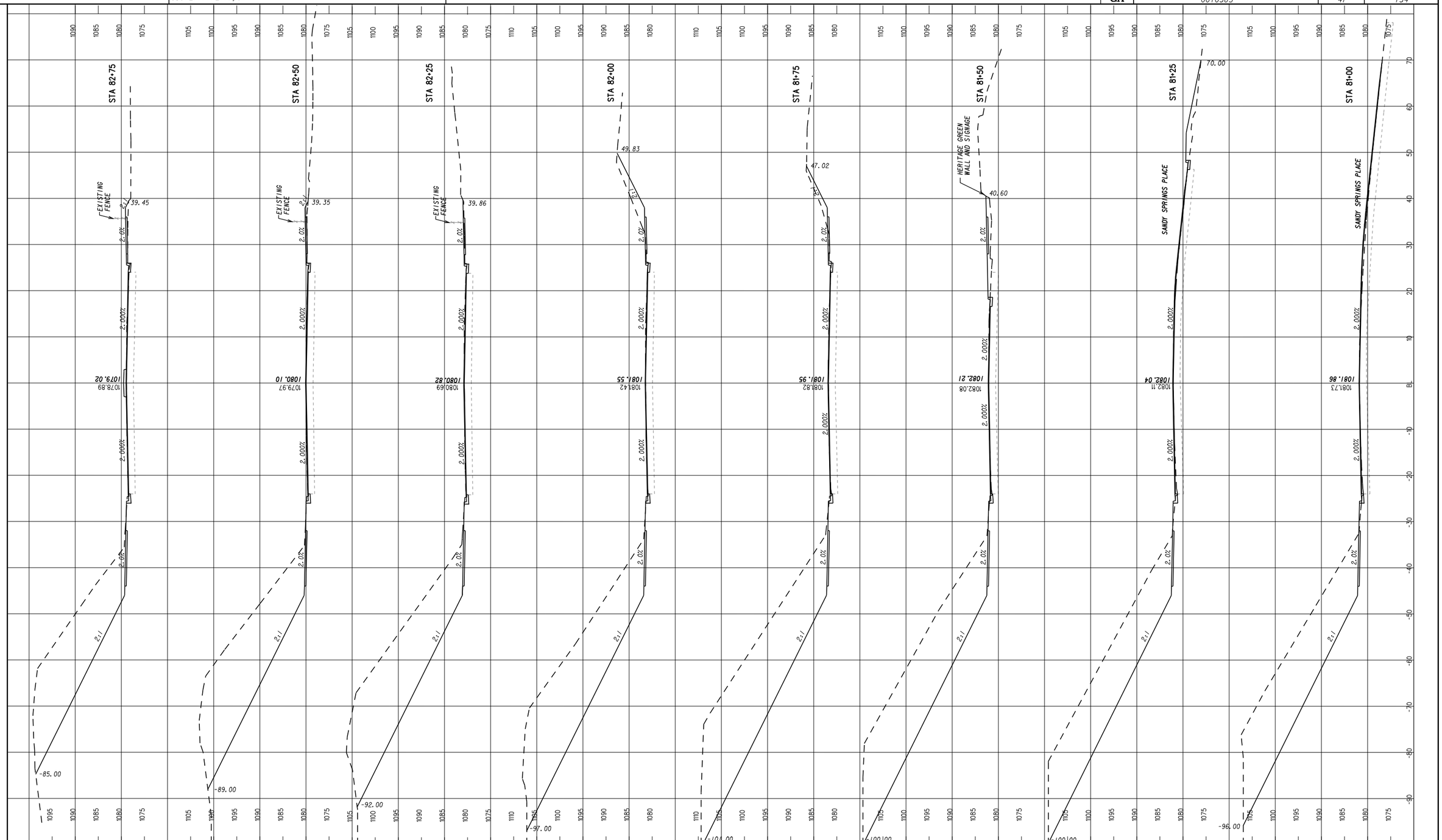
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# CROSS SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 23-003




SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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SANDY SPRINGS GEORGIA

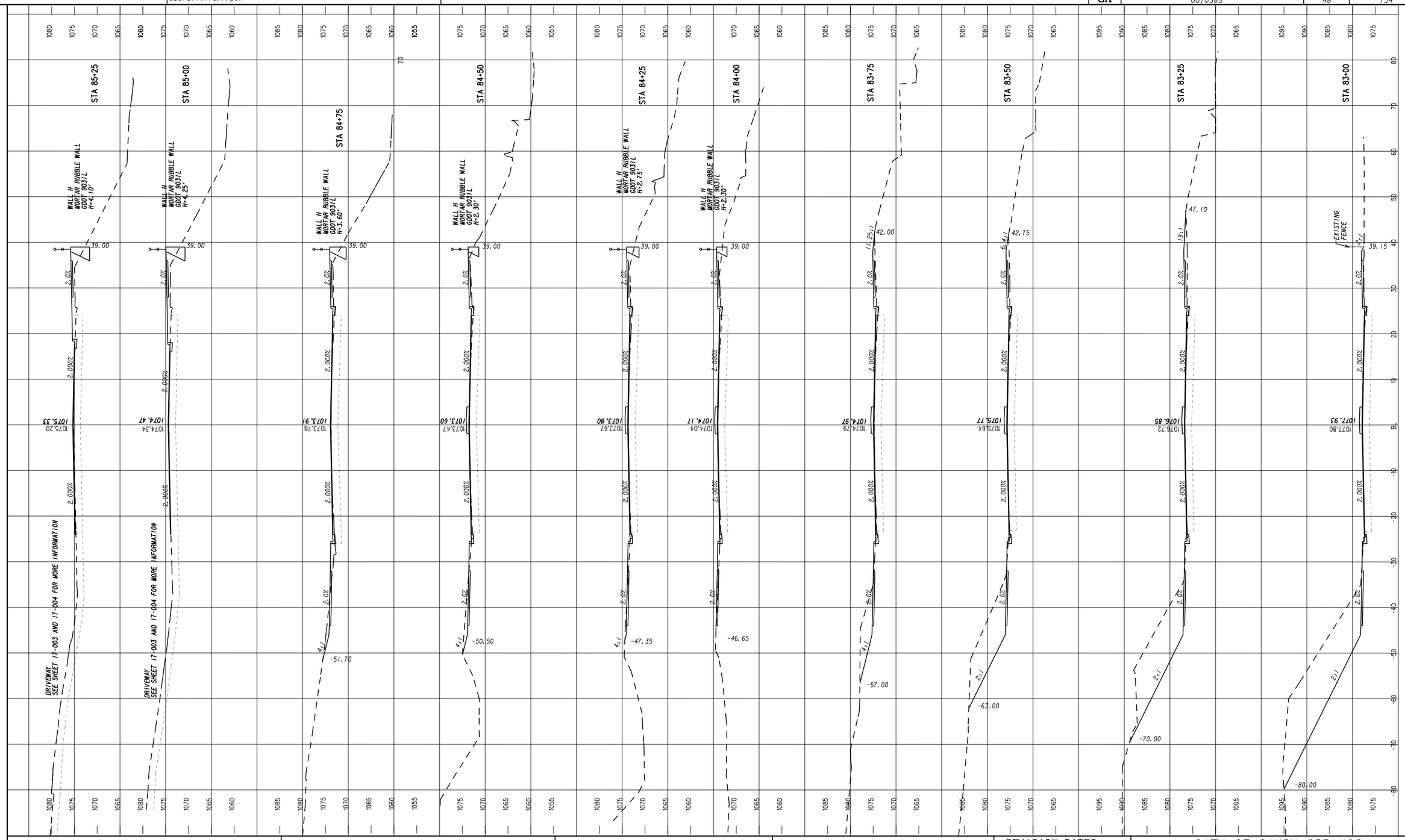
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# CROSS SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 23-004




SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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SANDY SPRINGS GEORGIA

REVISION DATES

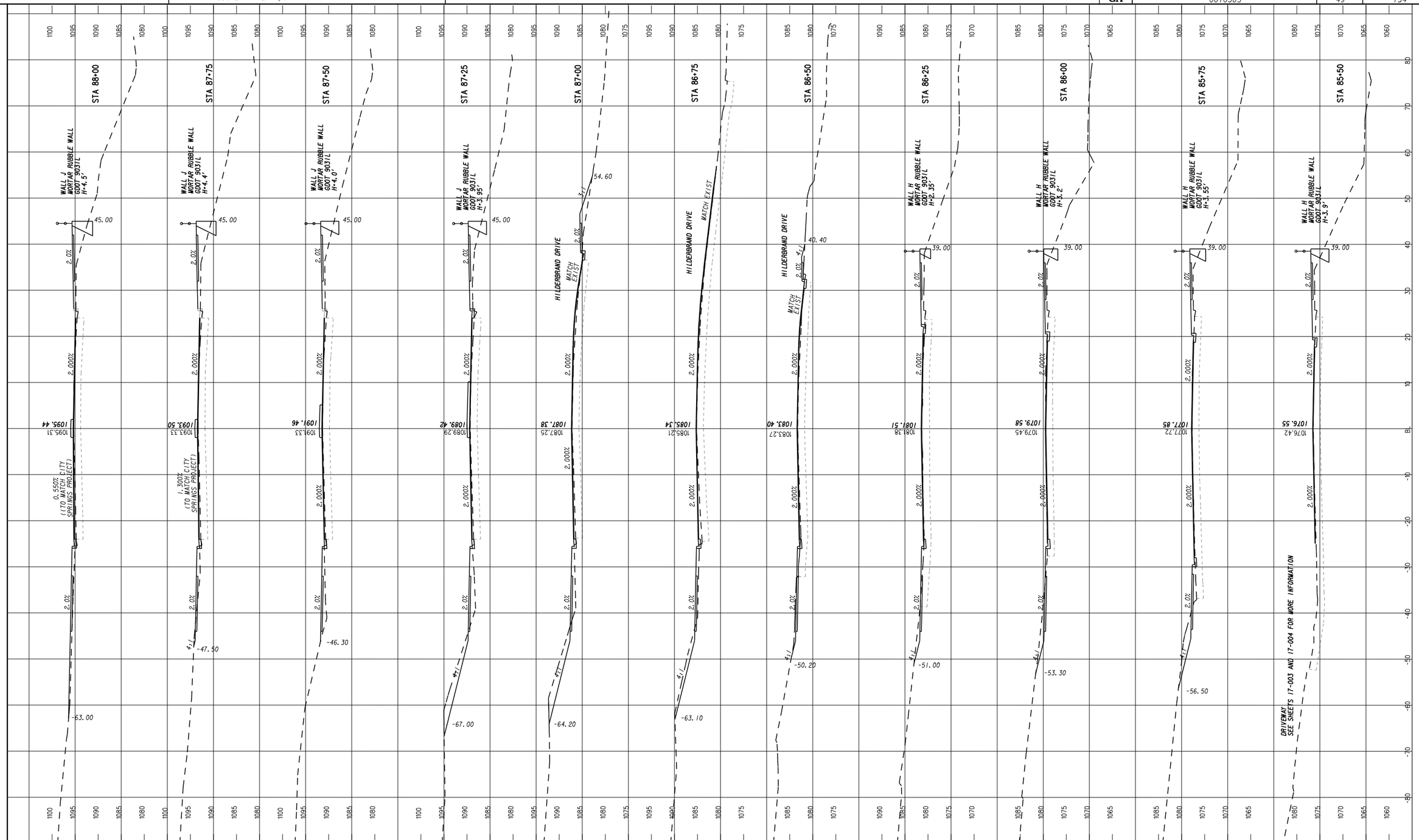
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# CROSS SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 23-005

1/5/2009 SUXEN




SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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SANDY SPRINGS GEORGIA

REVISION DATES

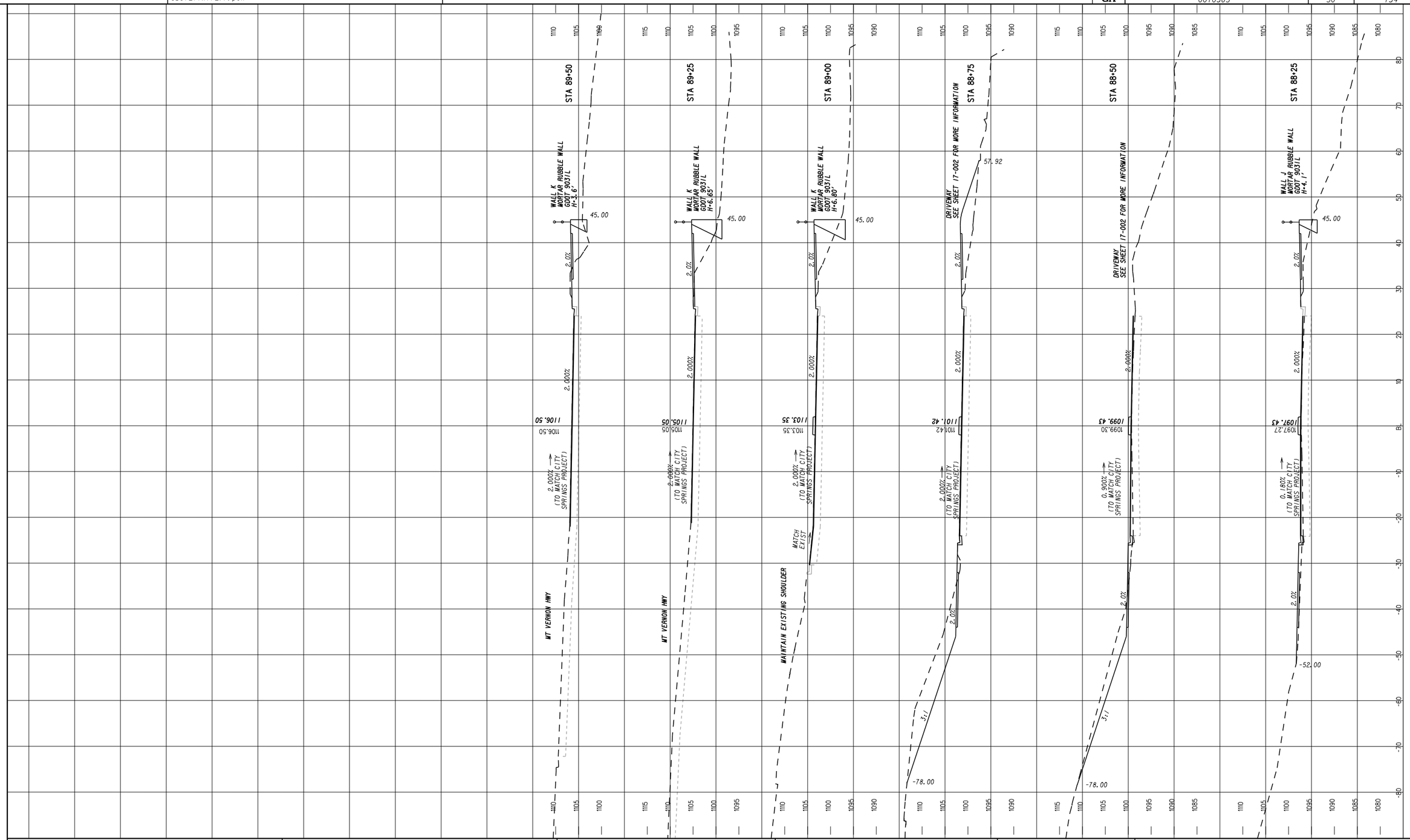
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# CROSS SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 23-006

1/5/2009 SUXEN




SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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SANDY SPRINGS GEORGIA

REVISION DATES

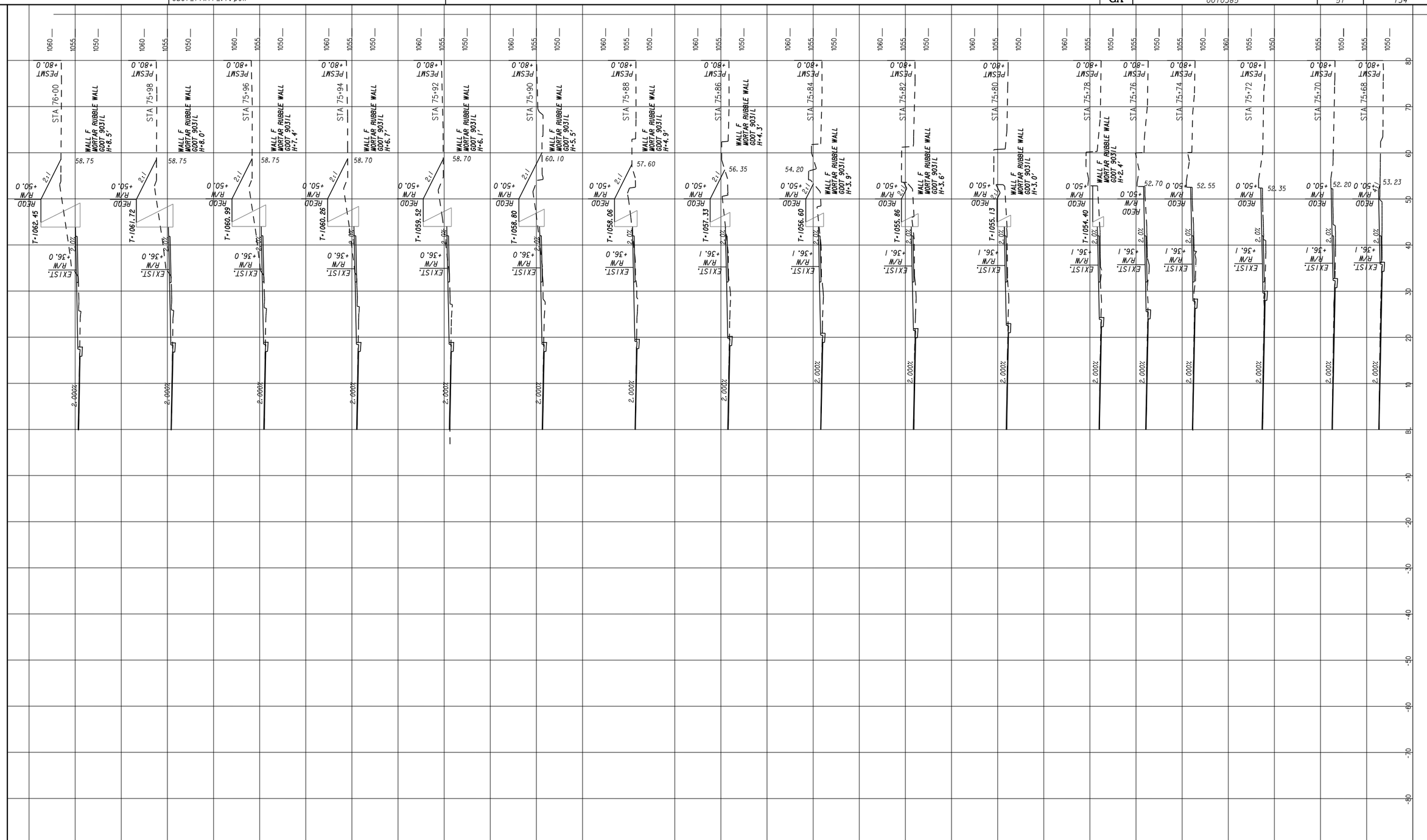
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# CROSS SECTIONS

SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 23-007

1/5/2009 SUXEN




FOR INFORMATION ONLY

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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SANDY SPRINGS GEORGIA

REVISION DATES

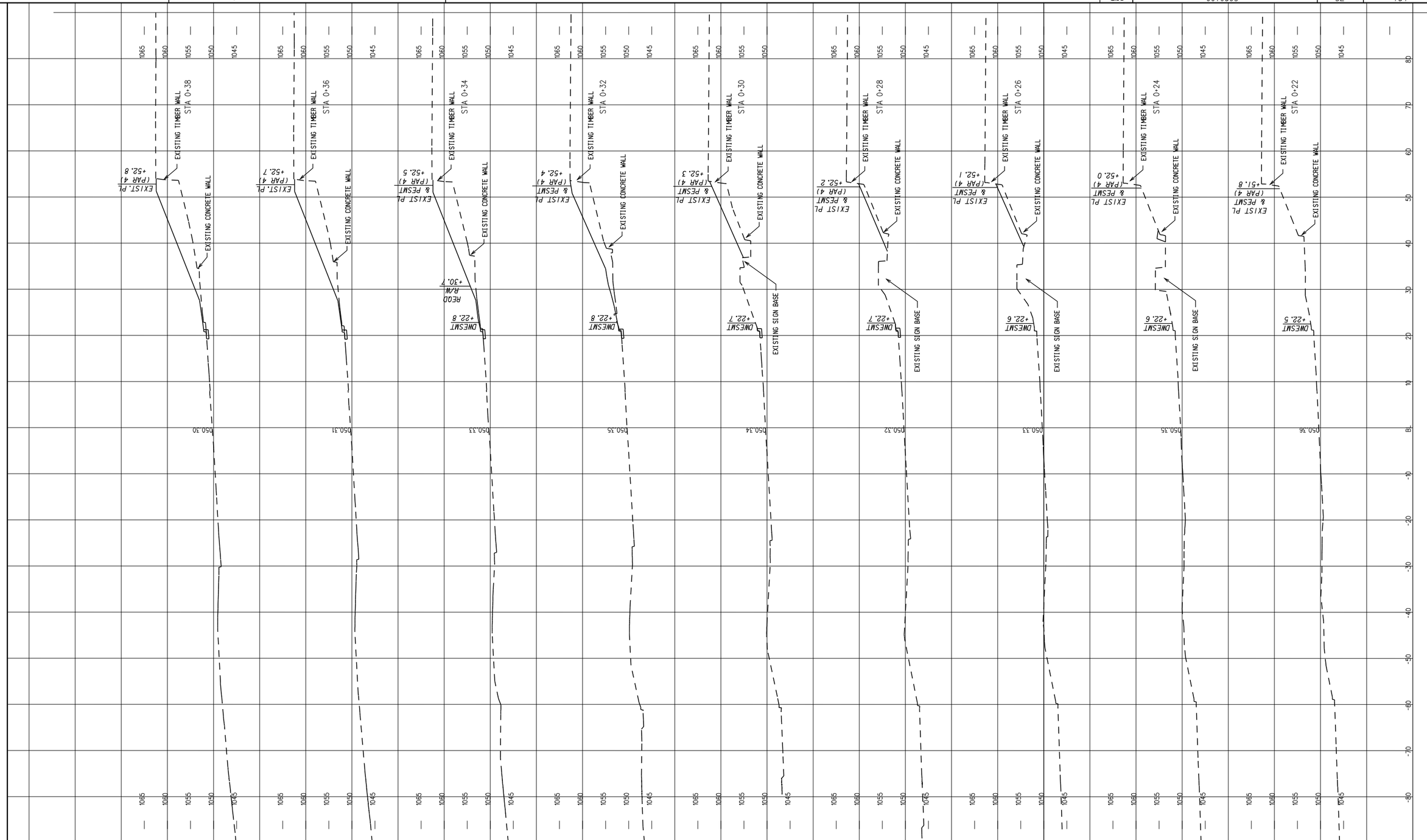
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 23-008

1/5/2009 SUXEN




FOR INFORMATION ONLY

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# CROSS SECTIONS (PARCEL 4 DRIVEWAY)

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 23-009

1/5/2009 SUXEN

| EXISTING OVERHEAD | OVERHEAD TO BE REMOVED | PROPOSED OVERHEAD | TYPE OF UTILITY |
|---|---|---|---|
| E | E | E | ELECTRIC |
| E-T | E-T | E-T | ELECTRIC/TELECOMMUNICATIONS |
| E-TV | E-TV | E-TV | ELECTRIC/CABLE TV |
| E-TC | E-TC | E-TC | ELECTRIC/TRAFFIC CONTROL |
| E-T-TV | E-T-TV | E-T-TV | ELECTRIC/TELECOMMUNICATIONS/CABLE TV |
| E-T-TV-TC | E-T-TV-TC | E-T-TV-TC | ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL |
| E-TV-TC | E-TV-TC | E-TV-TC | ELECTRIC/CABLE TV/TRAFFIC CONTROL |
| E-T-TC | E-T-TC | E-T-TC | ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL |
| GW | GW | GW | GUY WIRE |
| T | T | T | TELECOMMUNICATIONS |
| T-TC | T-TC | T-TC | TELECOMMUNICATIONS/TRAFFIC CONTROL |
| T-TV-TC | T-TV-TC | T-TV-TC | TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL |
| T-TV | T-TV | T-TV | TELECOMUNICATIONS/CABLE TV |
| TV | TV | TV | CABLE TV |
| TV-TC | TV-TC | TV-TC | CABLE TV/TRAFFIC CONTROL |
| TC | TC | TC | TRAFFIC CONTROL |

| EXISTING UNDERGROUND | UNDERGROUND TO BE REMOVED | PROPOSED UNDERGROUND | TYPE OF UTILITY |
|---|---|---|---|
| E | E | E | ELECTRIC |
| T | T | T | TELECOMMUNICATIONS |
| TV | TV | TV | CABLE TV |
| W | W | W | WATER |
| ••"W | ••"W | ••"W | WATER FOR LABELED PIPE SIZES |
| NW | NW | NW | NON-POTABLE WATER |
| ••"NW | ••"NW | ••"NW | NON-POTABLE WATER FOR LABELED PIPE SIZES |
| STM | STM | STM | STEAM |
| ••"STM | ••"STM | ••"STM | STEAM FOR LABELED PIPE SIZES |
| SS | SS | SS | SANITARY SEWER WITH FLOW DIRECTION |
| Σ••"SS | Σ••"SS | Σ••"SS | SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES |
| SFM | SFM | SFM | SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION |
| G | G | G | GAS |
| ••"G | ••"G | ••"G | GAS FOR LABELED PIPE SIZES |
| P | P | P | PETROLEUM |
| ••"P | ••"P | ••"P | PETROLEUM FOR LABELED PIPE SIZES |
| TC | TC | TC | TRAFFIC CONTROL |
| UNK(B) | UNK(B) | | UNKNOWN UTILITY |

# UTILITY LEGEND

## UTILITY CELLS

| EXISTING | PROPOSED | TEMPORARY | |
|---|---|---|---|
| E | E | E | ELECTRIC MANHOLE |
| H | H | H | HAND HOLE |
| E | E | E | TRANSFORMER |
| E | E | E | ELECTRIC METER |
| | | | UTILITY POLE/GUY POLE |
| | | | LIGHT POLE |
| | | | GUY ANCHOR |
| E | E | E | ELECTRIC BOX |
| M | M | M | MARKER |
| T | T | T | TELECOMMUNICATIONS MANHOLE |
| T | T | T | TELECOMMUNICATIONS PEDESTAL |
| X | X | X | SPLICE BOX |
| SLC | SLC | SLC | SUBCRIBER LOOP CARRIER (aka "SLICK") |
| | | | CABINET |
| | | | PHONE BOOTH |
| | | | CABLE TV PEDESTAL |
| TV | TV | TV | CABLE TV MANHOLE |
| W | W | W | WATER VALVE |
| W | W | W | WATER METER |
| W | W | W | WATER MANHOLE |
| | | | FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE) |
| BFP | BFP | BFP | BACKFLOW PREVENTER |
| PIV | PIV | PIV | PRESSURE INDICATOR VALVE |
| ARV | ARV | ARV | AIR RELEASE VALVE |

| EXISTING | PROPOSED | TEMPORARY | |
|---|---|---|---|
| W | W | W | WELL |
| W | W | W | WATER VAULT |
| W | W | W | WATER VALVE MARKER |
| | | | STAND PIPE |
| | | | CLEANOUT |
| SS | SS | SS | SANITARY SEWER MANHOLE |
| ARV | ARV | ARV | AIR RELEASE VALVE |
| GT | GT | GT | GREASE TRAP |
| S | S | S | SANITARY SEWER FORCE MAIN VALVE |
| | | | VENT |
| G | G | G | GAS VALVE |
| G | G | G | GAS METER |
| G | G | G | GAS MANHOLE |
| GPR | GPR | GPR | GAS PRESSURE REGULATOR |
| G | G | G | GAS VAULT |
| GTS | GTS | GTS | GAS TEST STATION |
| P | P | P | PETROLEUM VALVE |

## MISC.

| | |
|---|---|
| EOI | END OF INFORMATION |
| 123 | POLE ID |
| A01 | SANITARY SEWER MANHOLE (SSMH) ID |

## UTILITY OWNERS

| OWNER | SERVICE |
|---|---|
| CITY OF ATLANTA WATER | WATER |
| SOUTHERN COMPANY GAS/ ATLANTA GAS LIGHT COMPANY | GAS |
| AT&T | TELEPHONE |
| GEORGIA POWER COMPANY | POWER |
| COMCAST CABLE | TV CABLE |
| ZAYO | FIBER OPTICS |
| FULTON COUNTY WATER AND SEWER | SEWER |

GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

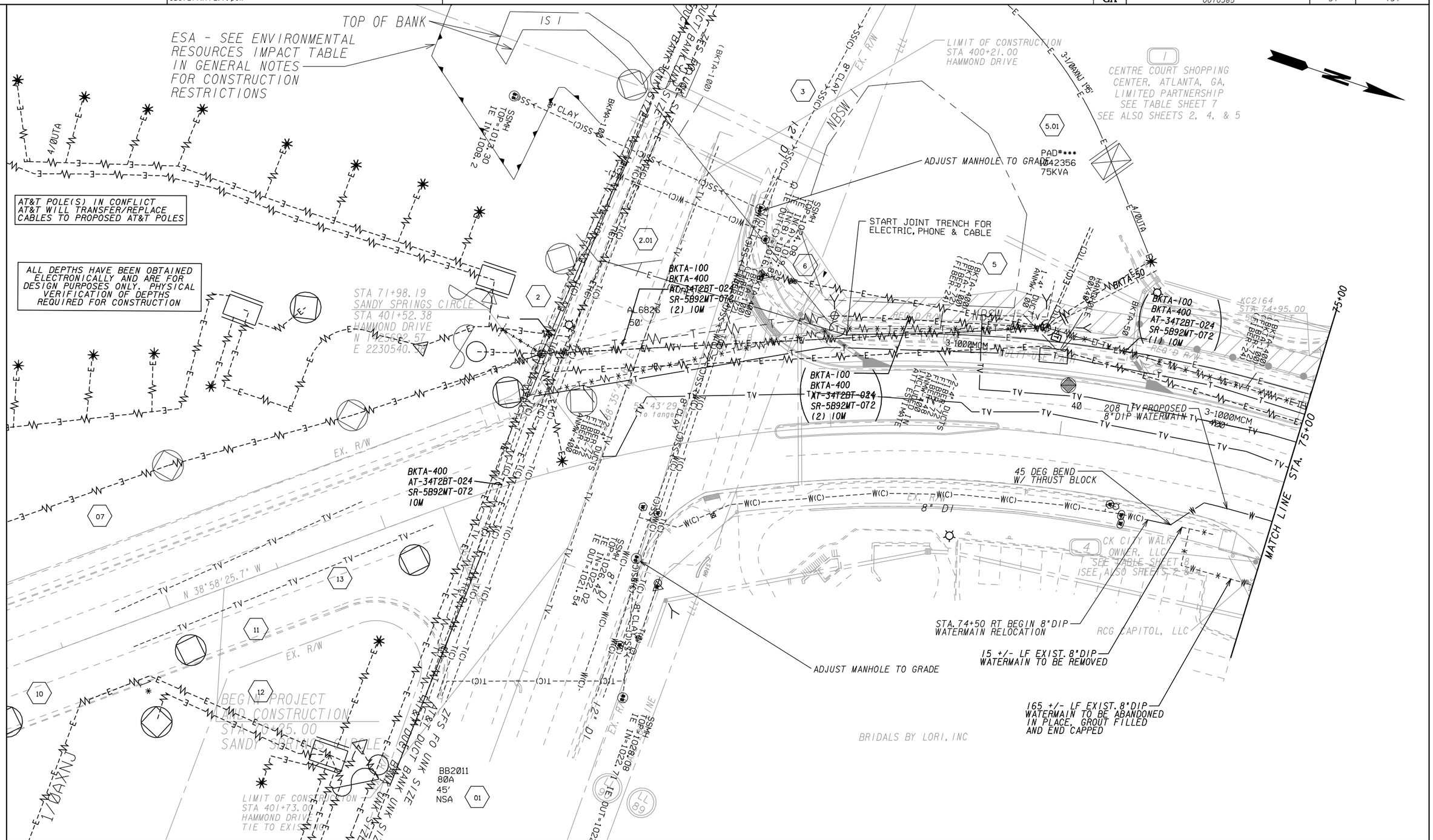
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 24-000

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

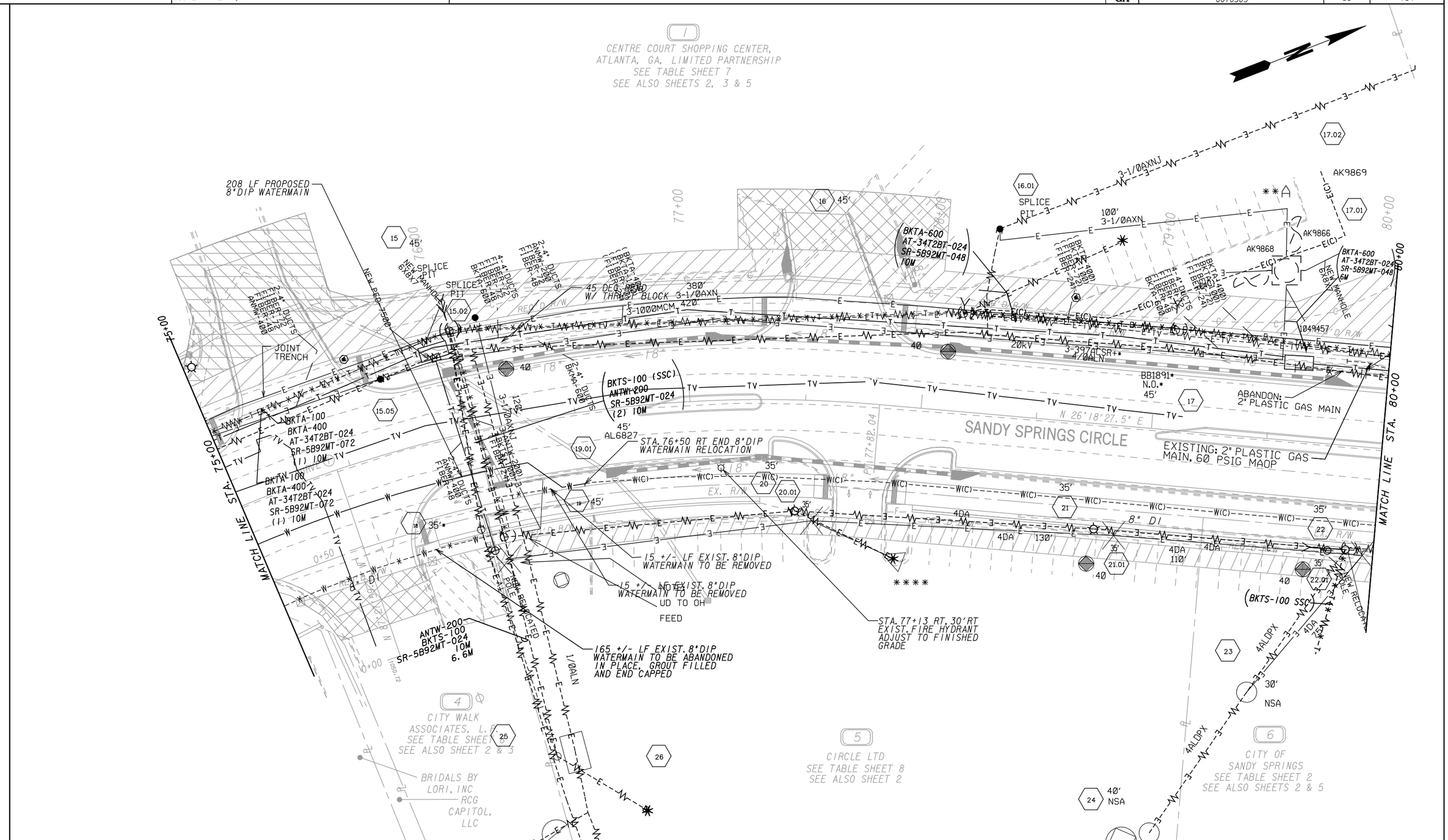
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
BEGIN PROJECT TO STA. 75+00

DRAWING No. 24-001

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

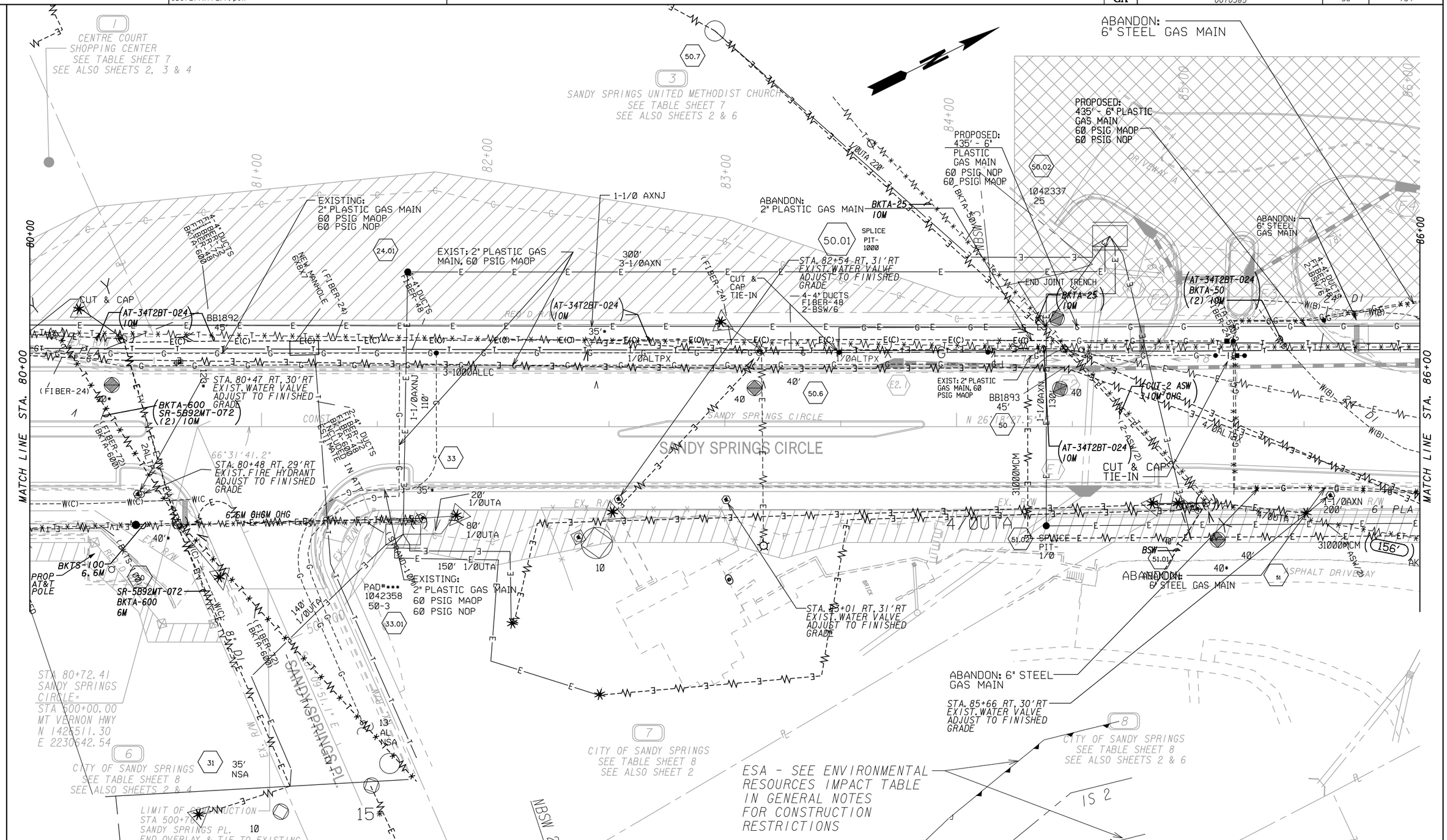
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS
SANDY SPRINGS CIRCLE STREETSCAPE
STA. 75+00 TO STA. 80+00

DRAWING No. 24-002

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

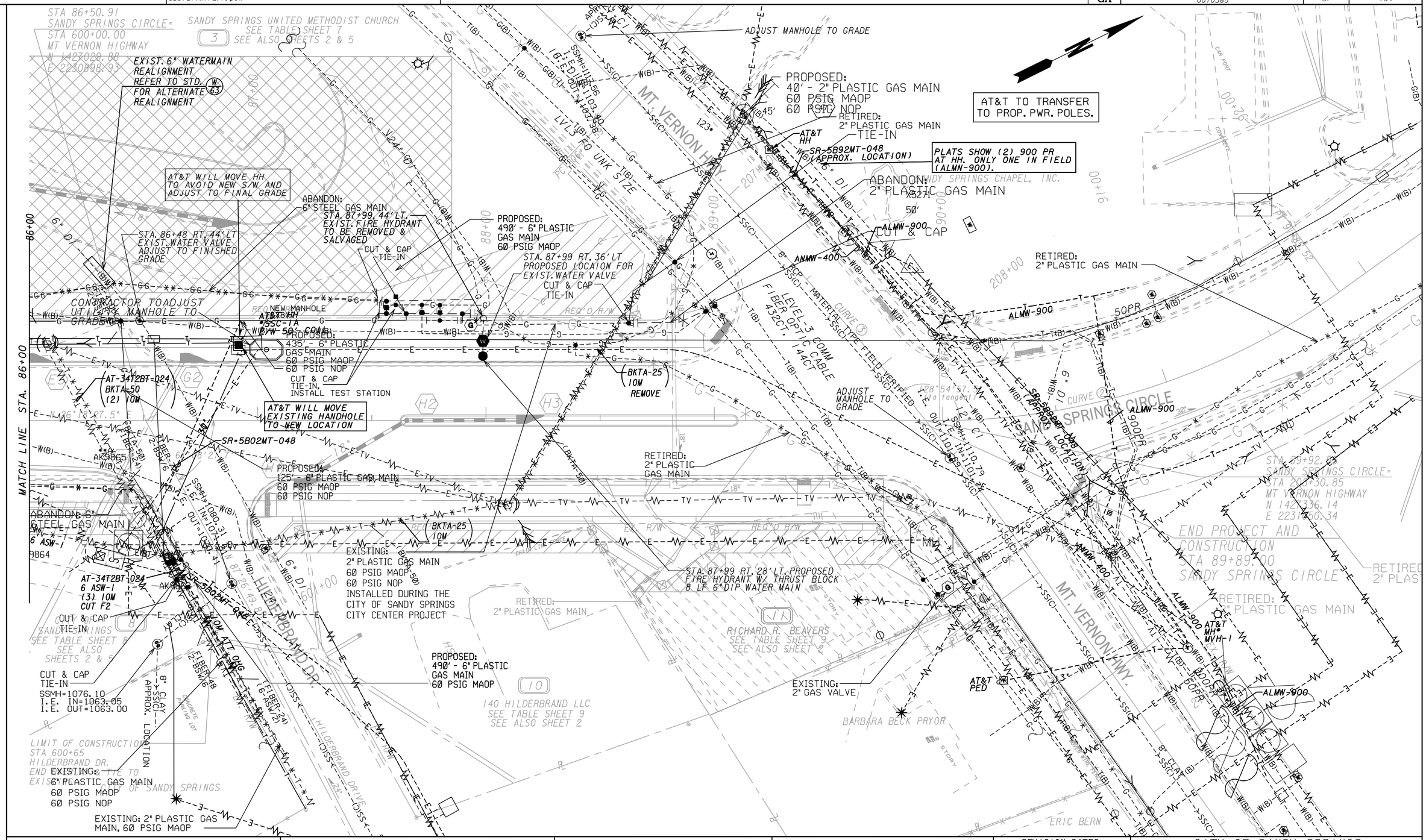
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS
SANDY SPRINGS CIRCLE STREETSCAPE
STA. 80+00 TO STA. 86+00

DRAWING No. 24-003

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# UTILITY PLAN

SANDY SPRINGS CIRCLE STREETSCAPE
STA. 86+00 TO END PROJECT

DRAWING No. 24-004

1/5/2009 GPLN

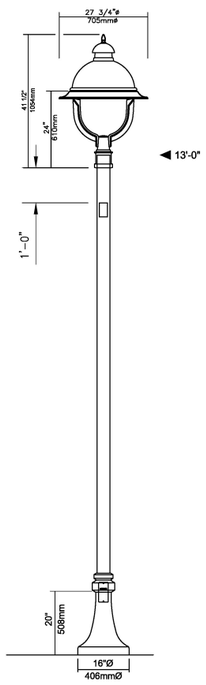
## LIGHT FIXTURE SCHEDULE

LUMINAIRE NUMBER 1

LUMINAIRE: 55W LED POST TOP LUMINAIRE, 240V. SEE DETAIL-'A', THIS DRAWING.

LUMINAIRE NUMBER 5

LUMINAIRE: 70W LED LUMINAIRE, 240V. SEE DETAIL-'B', THIS DRAWING.



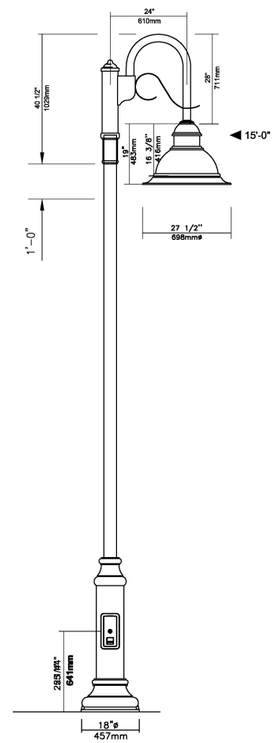

## DETAIL-A
## LIGHT POLE
## (MID-BLOCK LIGHTING ASSEMBLY)

(N.T.S.)

Midblock Pedestrian Light Fixture and Pole - Post Top

Manufacturer: Phillips Lumec
Post: Hapco Drawing Reference #SKTB051408B-P43
LUMEC Catalog# APR4U-13-LBC1-GN8TX
Luminaire: #DMS60-55W48LED4K-R-ACDR-LE3A-240-GN8TX

Contractor shall use breakaway couplings for light poles in accordance with Detail-F, Dwg. 25-006.




## DETAIL-B
## LIGHT POLE
## (INTERSECTION)

(N.T.S.)

Intersection Pedestrian Light Fixture and Pole (Shepherd's Hook, 15 foot)

Manufacturer: Phillips Lumec
Post: Hapco Drawing Reference #SKTB013008A-P43
LUMEC Catalog# RA61U-15-GN8TX
Luminaire: #DMS50-70W64LED4K-R-LE3S-240-GN8TX

Contractor shall use breakaway couplings for light poles in accordance with Detail-F, Dwg. 25-006.

## LEGEND

2" SCHEDULE 40 PVC CONDUIT. ALL CONDUITS TO BE PROVIDED WITH PULLWIRE AND SEALED WITH OZ/GEDNEY TYPE 'DUX' OR APPROVED EQUAL. CONDUIT SHALL BE INSTALLED BY DIRECTIONAL BORE.

DIRECTIONAL BORE W/ 2" SCHEDULE 40 HDPE

JB — ELECTRICAL JUNCTION BOX, SEE DETAIL-E, DWG. 25-006.

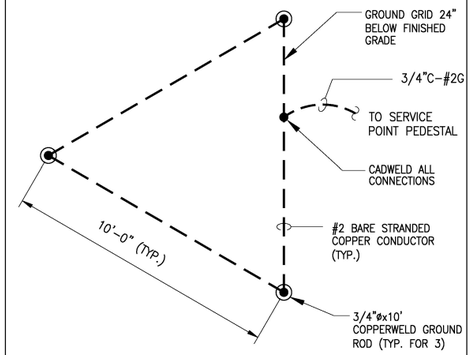
SERVICE POINT. PROVIDE GROUND GRID AT SERVICE POINT IN ACCORDANCE WITH DETAIL-D, THIS SHEET. PLACEMENT OF SERVICE POINT IS DIAGRAMMATIC ON THE LAYOUT DRAWINGS. CONTACT UTILITY TO DETERMINE PLACEMENT AND ORIENTATION OF SERVICE POINT. SERVICE POINT MUST BE PLACED IN THE RIGHT OF WAY.

CONDUIT STUB UP

PC — PHOTOCELL

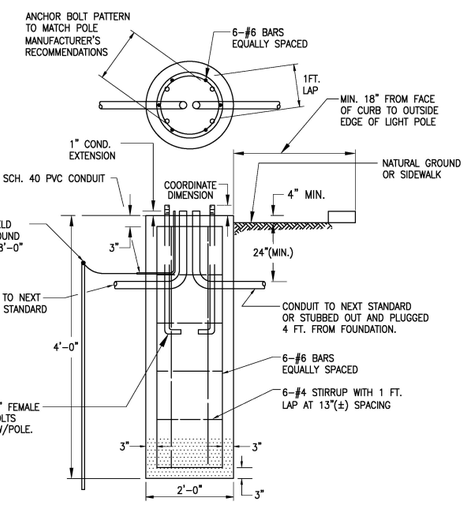
METERING SOCKET

S.S. — SURGE SUPPRESSOR



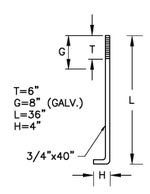

## DETAIL-D
## GROUNDING DETAIL
## AT SERVICE POINTS

(N.T.S.)




## DETAIL-C
## FOUNDATION FOR
## PEDESTRIAN LIGHT POLE

N.T.S.




MATERIAL = AASHTO M314 GRADES 55 S-1

SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCT LIST (QPL).

## ANCHOR BOLT DETAIL

N.T.S.

## GENERAL NOTES

1. THE GEORGIA POWER REPRESENTATIVE TO COORDINATE WITH IS MR. WILL BECK (770-216-1432), 4404 NORTH SHALLOWFORD ROAD, ATLANTA, GA 30338. (wbeck@southernco.com)
2. CONDUIT ACCESSORIES, SUCH AS CONDULETS, ELBOWS, FLEXIBLE CONDUIT, ETC., SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
3. THE CONTRACTOR SHALL BEWARE OF OVERHEAD POWER LINES AND UNDERGROUND UTILITIES AND LOCATE LIGHTING STANDARDS SUCH THAT THEY CONFORM TO GEORGIA POWER GUIDELINES.
4. THE LIGHTING CONTRACTOR SHALL FURNISH A ONE YEAR WRITTEN WARRANTY FOR PARTS AND DEFECTIVE WORKMANSHIP ON ALL LUMINAIRES, POLES, CONTROL PANEL AND ALL OTHER ELECTRICAL EQUIPMENT.
5. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY DIGGING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT.
6. CONTRACTOR SHALL CLEARLY LABEL ALL WIRES AT TERMINATION POINTS & IN JUNCTION BOXES.
7. THE CONTRACTOR SHALL INSTALL A NYLON PULL CORD OR GALVANIZED PULL WIRE IN EACH EMPTY CONDUIT. THE COST OF THIS ITEM WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT.
8. PROVIDE PULLBOXES IN THE UNDERGROUND CONDUIT RUNS AS NECESSARY.
9. CONTRACTOR SHALL INCLUDE THE COST OF THE FOUNDATION ALONG WITH THE PAY ITEM FOR THE LIGHTING STANDARD.
10. FOR ALL LIGHT POLES, A MINIMUM OF 1'-6" MUST BE MAINTAINED AT ALL TIMES FROM THE FACE OF THE CURB (OR EDGE OF PAVEMENT) TO THE OUTSIDE EDGE OF THE LIGHT POLE.
11. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED.
12. ALL CONDUIT WHICH IS RUN UNDER A ROADWAY SHALL BE INSTALLED PRIOR TO ANY NEW PAVING. NO NEW PAVING SHALL BE CUT TO INSTALL ELECTRICAL LINES. THE CONTRACTOR SHALL FOLLOW GDOT SPECIAL PROVISION (SECTION 615 - JACKING & BORING PIPE) FOR ANY DIRECTIONAL BORE.
13. CONTRACTOR SHALL ROUTE ALL CONDUIT RUNS BETWEEN EACH FIXTURE AND FROM THE LAST FIXTURE TO THE UTILITY COMPANY SERVICE LOCATION IN THE MOST DIRECT ROUTE POSSIBLE.
14. NO CONDUIT IS TO BE RUN ON PRIVATE PROPERTY.
15. PLACEMENT OF CONDUIT & JUNCTION BOXES IS DIAGRAMMATIC ON LAYOUT DRAWINGS. CONTRACTOR MUST INSTALL ALL ELECTRICAL EQUIPMENT IN RIGHT OF WAY. DO NOT INSTALL JUNCTION BOXES IN WHEELCHAIR RAMPS.
16. ALL ELECTRICAL EQUIPMENT (INCLUDING CABLES, CONDUIT, BREAKERS, ETC.) REQUIRED FOR THE SERVICE PICKUP POINTS SHALL BE PAID FOR UNDER THE PAY ITEM FOR MAIN SERVICE PICKUP POINT.
17. ALL ELECTRICAL MATERIALS, SUCH AS CONDUIT, CABLES, WIRES AND JUNCTION BOXES, SHALL BE NEW, U.L. LISTED AND MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, AND THE AMERICAN NATIONAL STANDARDS INSTITUTE. ELECTRICAL CONDUITS, WIRES, CIRCUIT BREAKERS, FUSES, GROUND RODS AND GROUND CONDUCTORS SHALL MEET GDOT'S STANDARD SPECIFICATIONS AND SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL). REFER TO GDOT POLICY MANUAL, CHAPTER 14, SECTION 14.5.3 - ELECTRICAL MATERIALS.
18. CONTRACTOR MUST ADHERE TO CITY OF SANDY SPRINGS ENGINEERING SPECIFICATIONS.
19. ALL LUMINAIRES SHALL BE LED UNLESS OTHERWISE NOTED.
20. ALL LED FUSES AND LED FUSE HOLDERS SHALL BE IN-LINE TYPE AND WATERPROOF.
21. EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL UNLESS OTHERWISE NOTED.
22. ALL SHOP DRAWINGS FOR LIGHTING STANDARDS, LUMINAIRES, CONDUIT, WIRING, LIGHTING CABINETS, ETC. MUST BE APPROVED BY THE GDOT LIGHTING DEPARTMENT FOR REVIEW AND SIGNED APPROVAL PRIOR TO CONSTRUCTION.
23. OPERATING VOLTAGE OF LIGHTS SHALL BE 240V.
24. ALL LIGHTING CABINETS SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL) AND STANDARD SPECIFICATIONS FOR PROJECTS RECEIVING FEDERAL FUNDING. REFER TO GDOT POLICY MANUAL, CHAPTER 14, SECTION 14.5.2. ALL SHOP DRAWINGS FOR LIGHTING CABINETS, ETC. MUST BE APPROVED BY THE GDOT LIGHTING DEPARTMENT FOR REVIEW AND SIGNED APPROVAL PRIOR TO CONSTRUCTION.
25. LIGHTING DESIGN CRITERIA FOR SIDEWALK:

    LIGHT LOSS FACTOR = 0.8

    AVERAGE MAINTAINED ILLUMINATION FOR SIDEWALK = 0.5fc
    UNIFORMITY RATIO = 4:1 MAXIMUM
26. FOR LIGHT POLES # 13, 15, 27, 29, 30, 34, 36 & 38, CONTRACTOR SHALL REFER TO SECTION 23 CROSS SECTION DRAWINGS IN ORDER TO AVOID CONFLICT OF LIGHT POLE FOUNDATION WITH PORTION OF THE WALLS BELOW GRADE.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

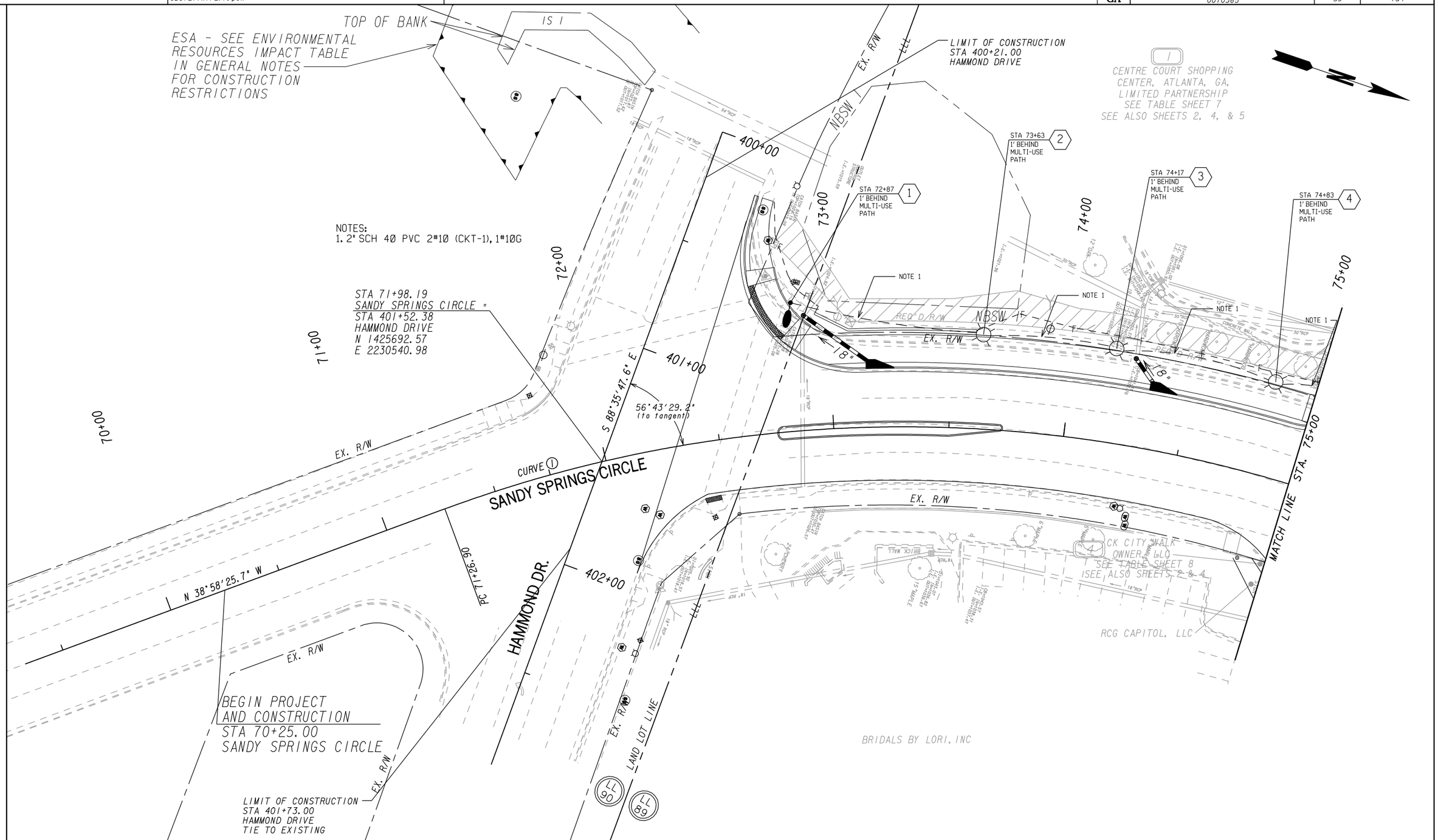
| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

LIGHTING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 25-001




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

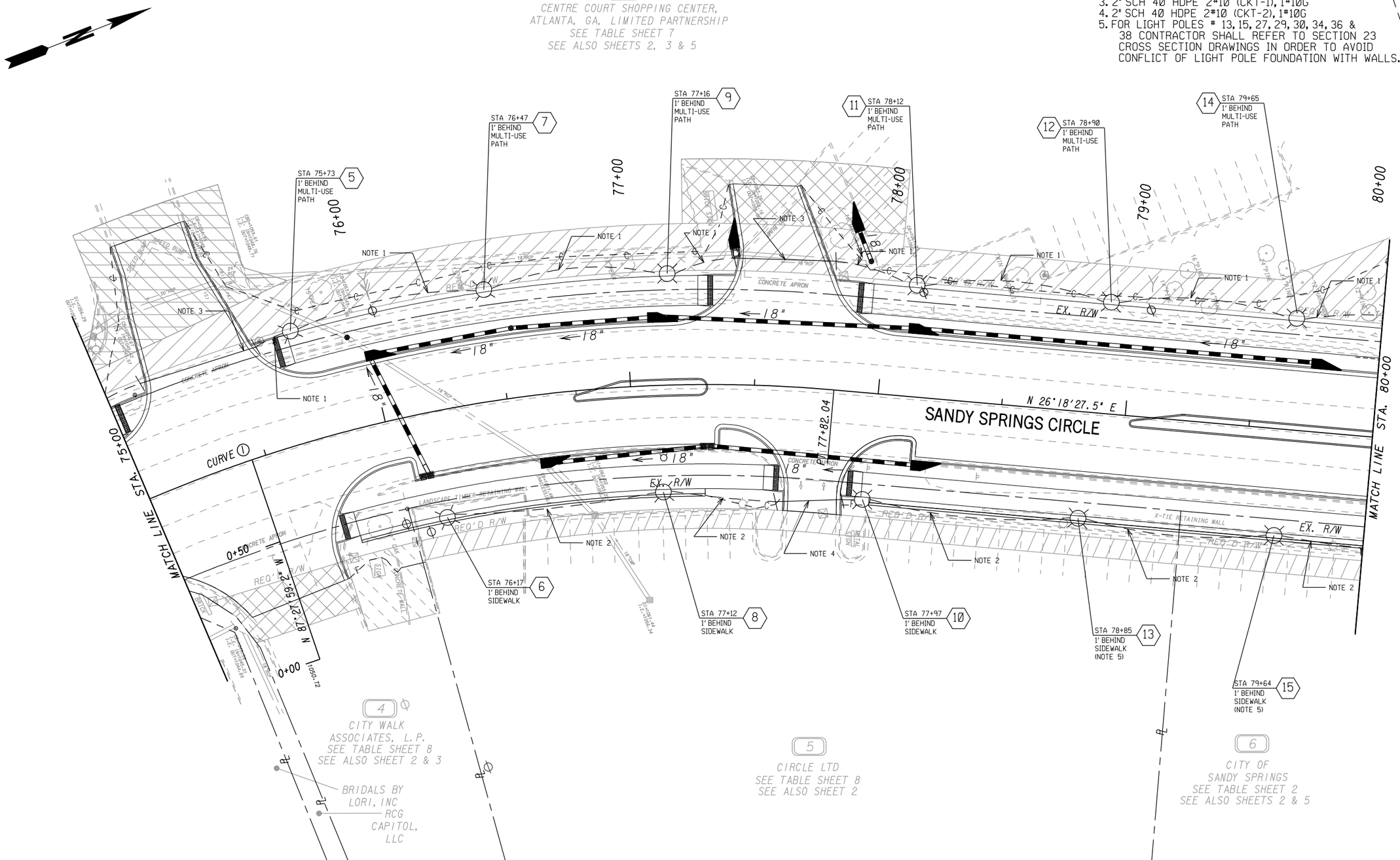
# LIGHTING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
BEGIN PROJECT TO STA. 75+00

DRAWING No. 25-002

1/5/2009 GPLN

NOTES:
1. 2" SCH 40 PVC 2#10 (CKT-1), 1#10G
2. 2" SCH 40 PVC 2#10 (CKT-2), 1#10G
3. 2" SCH 40 HDPE 2#10 (CKT-1), 1#10G
4. 2" SCH 40 HDPE 2#10 (CKT-2), 1#10G
5. FOR LIGHT POLES # 13, 15, 27, 29, 30, 34, 36 & 38 CONTRACTOR SHALL REFER TO SECTION 23 CROSS SECTION DRAWINGS IN ORDER TO AVOID CONFLICT OF LIGHT POLE FOUNDATION WITH WALLS.




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

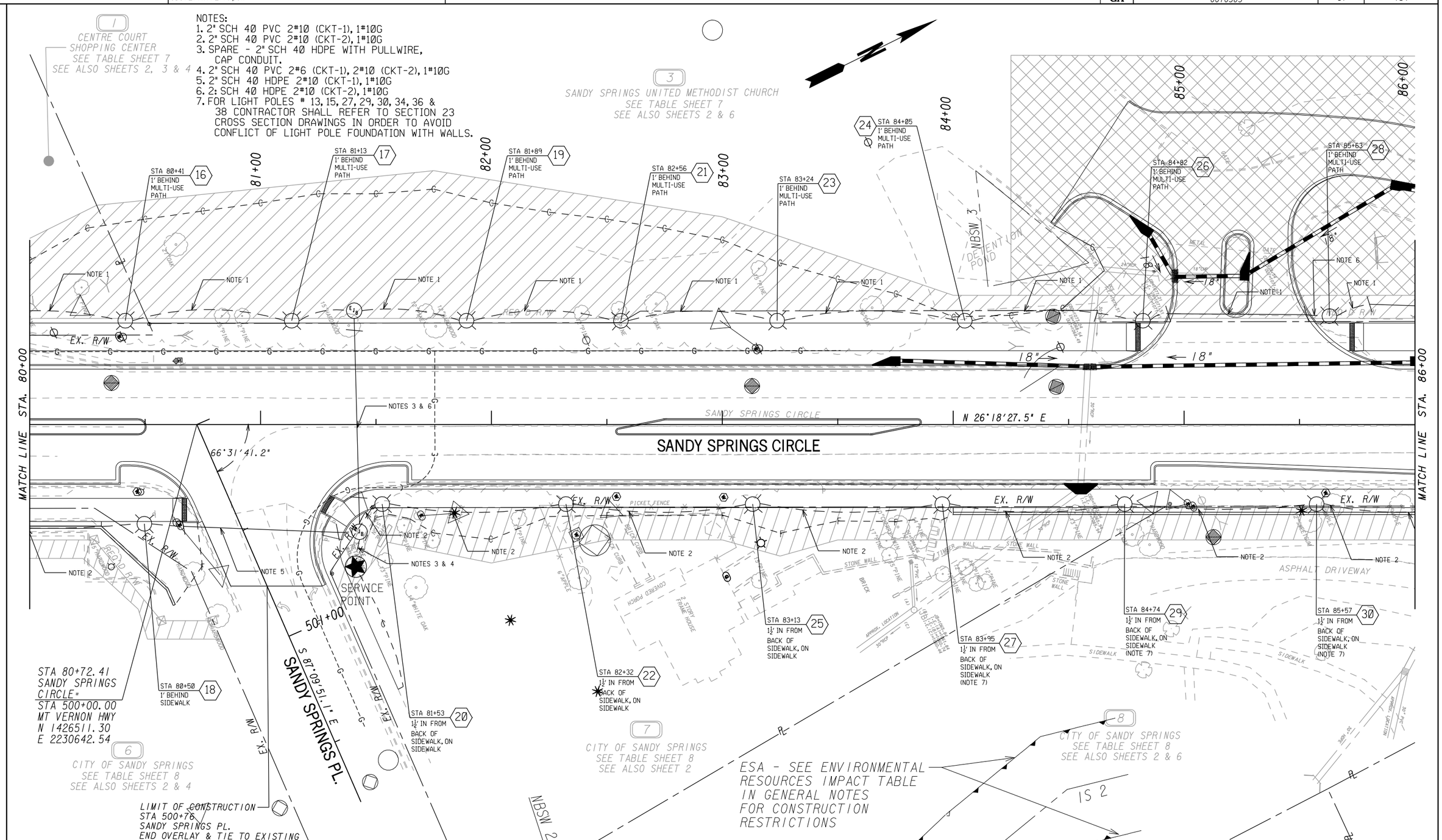
# LIGHTING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
STA. 75+00 TO STA. 80+00

DRAWING No. 25-003

1/5/2009 GPLN

NOTES:
1. 2" SCH 40 PVC 2#10 (CKT-1), 1#10G
2. 2" SCH 40 PVC 2#10 (CKT-2), 1#10G
3. SPARE - 2" SCH 40 HDPE WITH PULLWIRE, CAP CONDUIT.
4. 2" SCH 40 PVC 2#6 (CKT-1), 2#10 (CKT-2), 1#10G
5. 2" SCH 40 HDPE 2#10 (CKT-1), 1#10G
6. 2: SCH 40 HDPE 2#10 (CKT-2), 1#10G
7. FOR LIGHT POLES # 13, 15, 27, 29, 30, 34, 36 & 38 CONTRACTOR SHALL REFER TO SECTION 23 CROSS SECTION DRAWINGS IN ORDER TO AVOID CONFLICT OF LIGHT POLE FOUNDATION WITH WALLS.




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

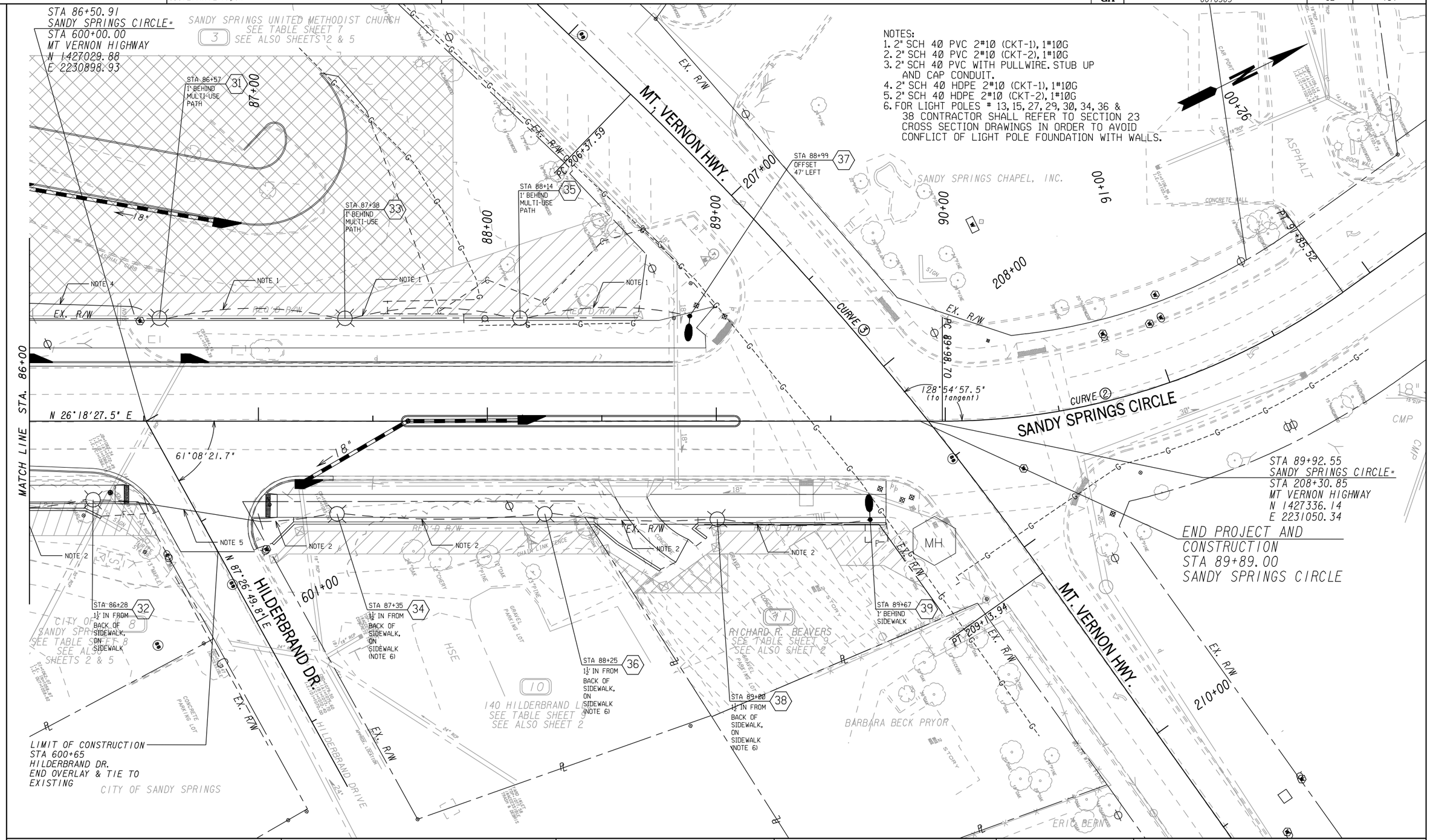
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# LIGHTING PLAN

SANDY SPRINGS CIRCLE STREETSCAPE
STA. 80+00 TO STA. 86+00

DRAWING No. 25-004

1/5/2009 GPLN




NOTES:
1. 2" SCH 40 PVC 2#10 (CKT-1), 1#10G
2. 2" SCH 40 PVC 2#10 (CKT-2), 1#10G
3. 2" SCH 40 PVC WITH PULLWIRE. STUB UP AND CAP CONDUIT.
4. 2" SCH 40 HDPE 2#10 (CKT-1), 1#10G
5. 2" SCH 40 HDPE 2#10 (CKT-2), 1#10G
6. FOR LIGHT POLES # 13, 15, 27, 29, 30, 34, 36 & 38 CONTRACTOR SHALL REFER TO SECTION 23 CROSS SECTION DRAWINGS IN ORDER TO AVOID CONFLICT OF LIGHT POLE FOUNDATION WITH WALLS.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

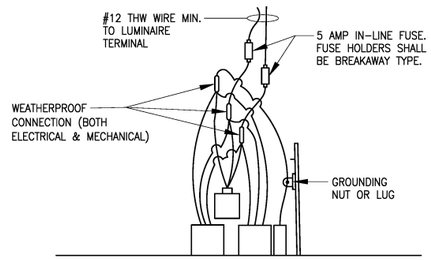
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# LIGHTING PLAN

SANDY SPRINGS CIRCLE
STREETSCAPE
STA. 86+00 TO END PROJECT

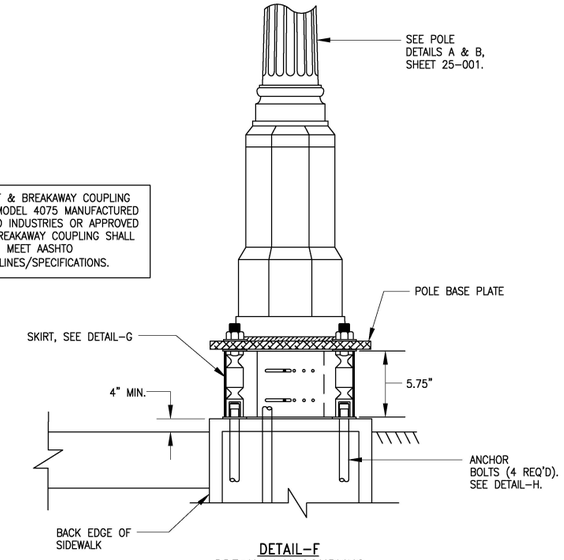
DRAWING No. 25-005

1/5/2009 GPLN




TYPICAL ELECTRICAL CONNECTION OF FUSES AT POLE OR TRANSFORMER BASE

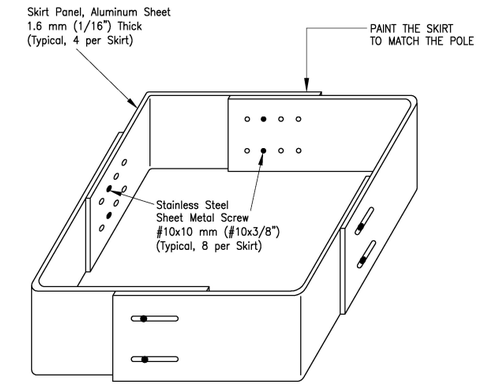
(NOT TO SCALE)



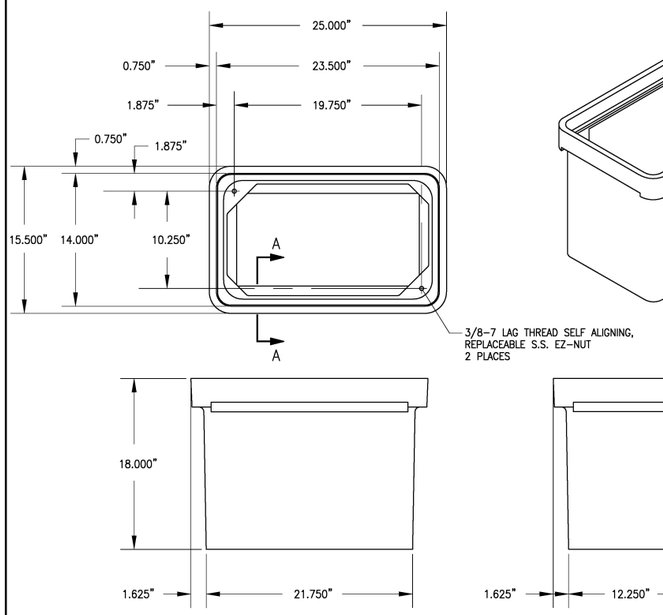

DETAIL-F
BREAKAWAY COUPLING DETAIL

(N.T.S.)

(PROVIDE BREAKAWAY COUPLINGS FOR LIGHTS #31 & #37)



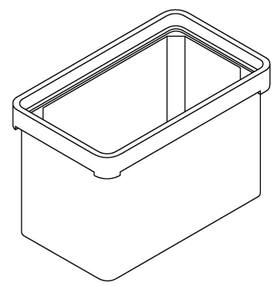

DETAIL-G
SKIRT PANEL OVERLAP CONFIGURATION

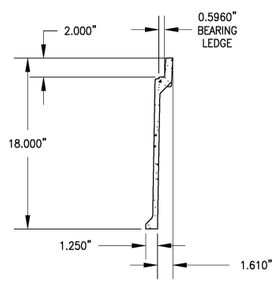



OPEN BOTTOM JUNCTION BOX

(NOT TO SCALE)

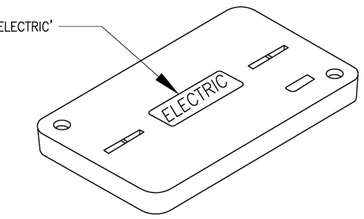
(PROVIDE 12" COARSE AGGREGATE AT THE BOTTOM OF THE BOX.)





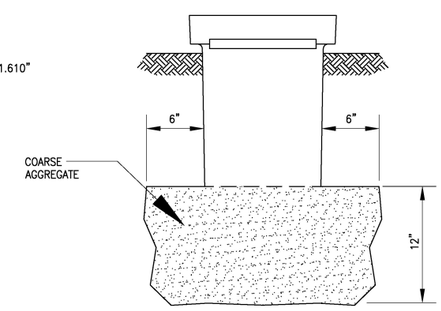

SECTION A-A

LABEL SHALL READ 'ELECTRIC'




## NOTES

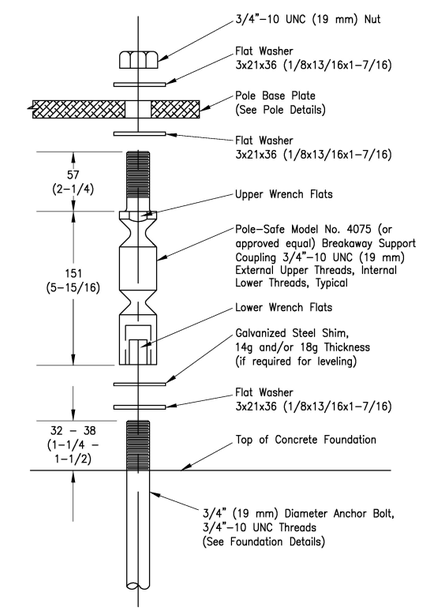
1. JUNCTION BOXES AND COVERS MUST BE DESIGNED PER ASTM C-857-87 DESIGNATION A-16(HS20-44) AND ASTM C-497.
2. JUNCTION BOXES SHALL HAVE A WEATHER PROOF GASKET.




BASE OF BURIED OPEN BOTTOM BOX

(NOT TO SCALE)

DETAIL-'E'




TYPICAL DETAIL-H
ANCHOR BOLT DETAIL

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

LIGHTING PLANS

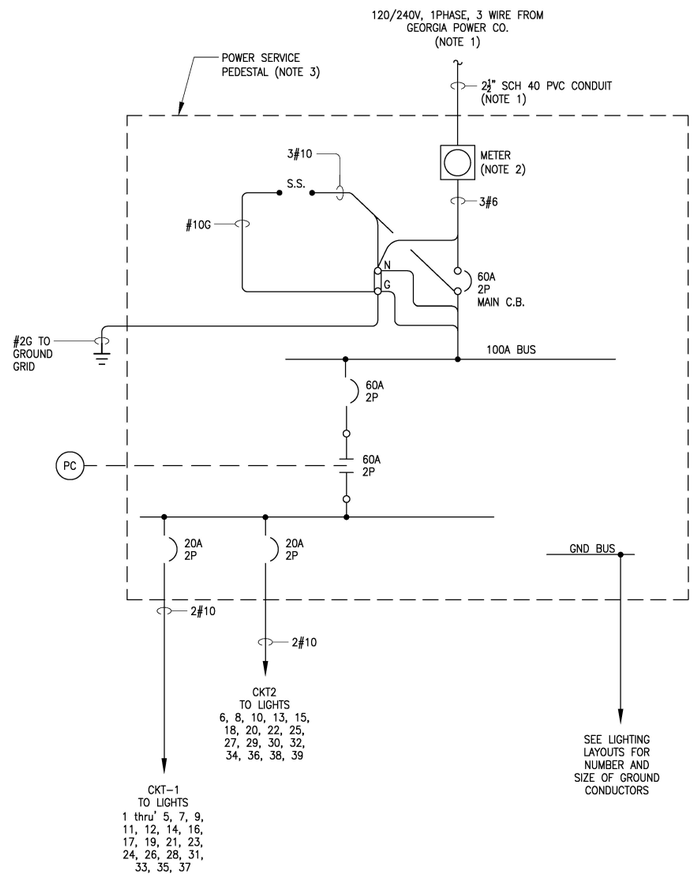
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 25-006

1/5/2009 GPLN

## NOTES:

1. CONTRACTOR SHALL COORDINATE WITH GEORGIA POWER CO. FOR LOCATION AND ORIENTATION OF POWER SERVICE PEDESTAL.
2. CONTRACTOR SHALL INSTALL METER IN THE METER SOCKET PROVIDED WITH THE SERVICE POWER PEDESTAL.
3. REFER TO DWG. 25-008 FOR THE DETAILS AND SPECIFICATIONS FOR THE POWER SERVICE PEDESTAL.




SINGLE LINE DIAGRAM
SERVICE POINT

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

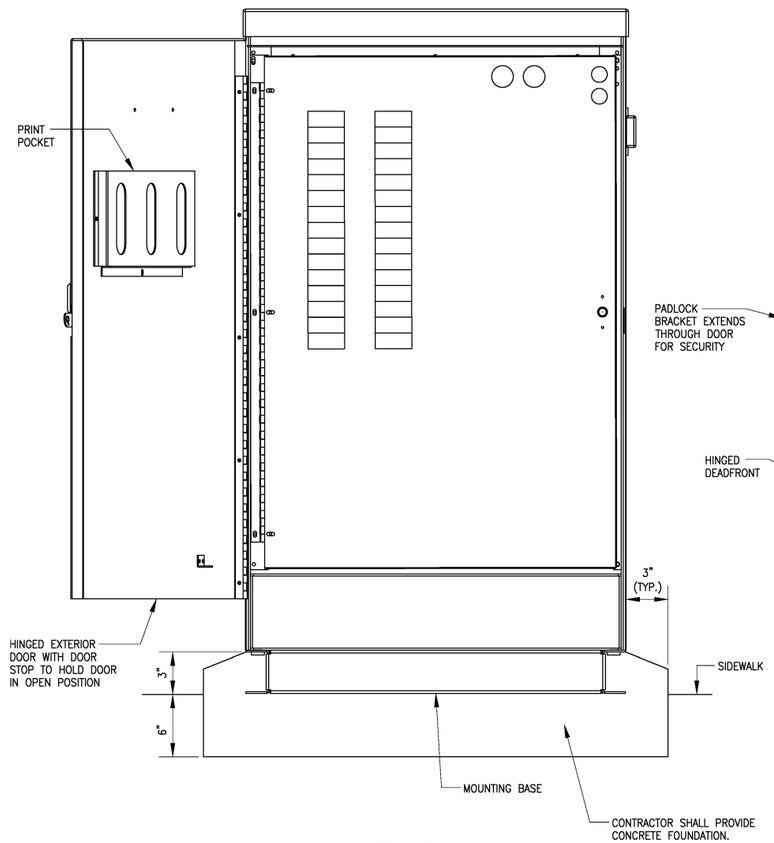
LIGHTING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE

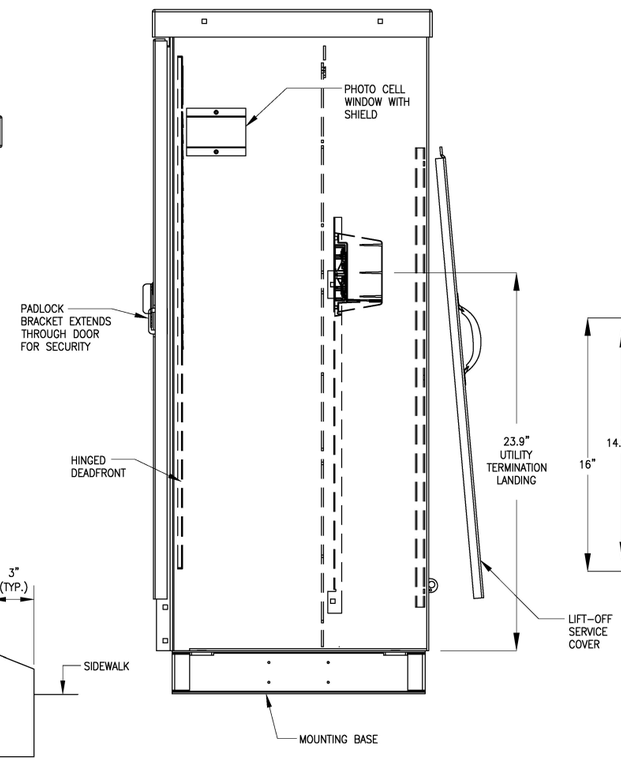
DRAWING No. 25-007

## NOTES

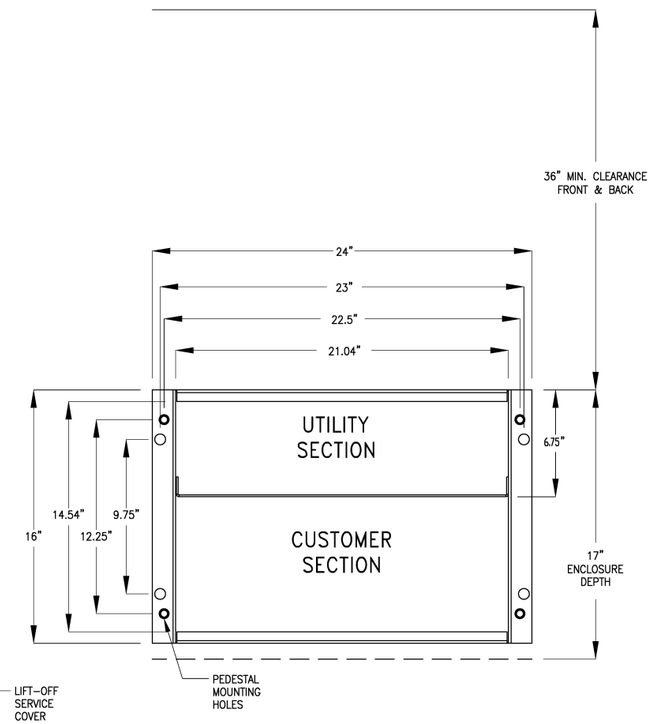
1. THE DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. THE CONTRACTOR SHALL OBTAIN THE ACTUAL DIMENSIONS FROM THE SERVICE POWER PEDESTAL MANUFACTURER.




FRONT VIEW
(NOT TO SCALE)




SIDE VIEW
(NOT TO SCALE)




MOUNTING BASE DETAIL
(NOT TO SCALE)

NOTE: POWER PEDESTAL INCLUDED IN MAIN SERVICE PICKUP POINT.

SERVICE POWER PEDESTAL
(NOTE 1)

## Service Power Pedestal Specifications

The service power pedestals shall be provided at each service point and shall consist of all the components indicated on the single line diagrams.

The ratings shall be as follows:

Voltage rating: (120/240V, 1phase, 3wire)
Available short circuit current: 14,000A R.M.S. symmetrical*
Current rating: See single line diagrams

The pedestal shall be of NEMA Type 3R rainproof construction and shall be UL listed as "Enclosed Industrial Control Equipment" (UL 508A). External construction shall comply with UL50 requirements and shall be of aluminum with light green #14672 Federal Specification 595 polyurethane industrial grade powder paint of 1.7 mil minimum thickness. Internal construction shall be G 90 galvanized steel with 1.7 mil minimum thickness polyurethane industrial grade powder coat paint. No fasteners except sealing screws shall be removable by external access. Hinges shall be stainless steel and of the continuous piano hinge type.

The pedestal mounting bolts shall not be externally accessible. The pedestal shall be offered with an optional base designed to be embedded in concrete in place of anchor bolts.

The service pedestal must have two separate isolated sections for utility termination and customer equipment.

The utility termination section must be pad-lockable and sealable and shall have a stainless steel handle provided on a lift-off cover. Sufficient clearance shall be provided for the indicated conduit for utility cables entrance. Utility landing lugs shall be UL listed and shall accommodate #6 – 350 kcmil conductors.

The customer compartment door shall be hinged on the left hand side. A stainless pad-lockable hasp provided to secure customer compartment. A door keeper provided to keep the door in an open position. A print pocket on the inside of the door shall hold all wiring schematics, circuit directories and instructions in a clear, weatherproof sleeve. Required UL labeling shall be located on the inside of the customer door. Distribution and control equipment shall be behind an internal dead-front door with a quarter-turn securing latch and be hinged to open more than 90 degrees. The dead-front door shall be hinged on the same side as the customer section door. All distribution and control equipment shall be factory wired using 600 volt wire sized to NEC and UL requirements.

Circuit breakers shall be permanently labeled with engraved name plates. The contactors for the switched section shall be controlled from 'Hand-Off-Auto' selector switches provided on the door. A photocell provided with each service pedestal shall control the contactor in the 'Auto' position of the selector switch. Photocell shall use N.C. contact. A surge suppressor Liebert catalog No. All240S111RK shall be provided in each service power pedestal.

The service power pedestal shall be Milbank CP3B SL series or approved equal, custom built for each service point in accordance with the single line diagrams.

See Detail-D, Sheet 25-001 for grounding information.

*Confirm rating with Utility.

**Confirm finish of cabinet with City of Sandy Springs.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

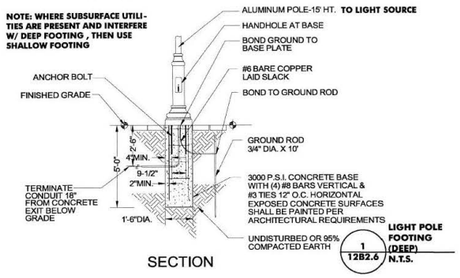
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

LIGHTING PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 25-008

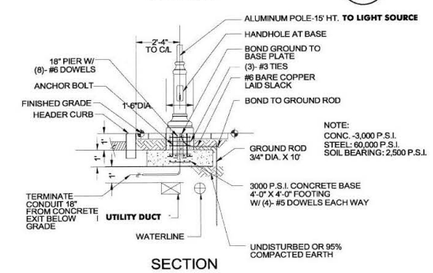
1/5/2009 GPLN

## Lighting and Electrical Details (Section 12B2.6)




SECTION

1 / 12B2.6 **LIGHT POLE FOOTING (DEEP) N.T.S.**



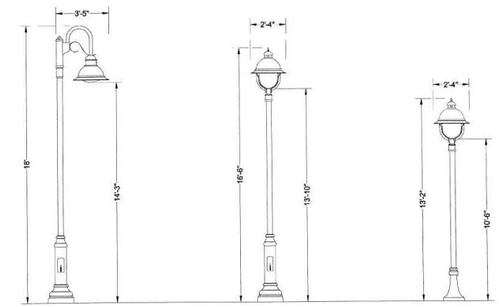

SECTION

2 / 12B2.6 **LIGHT POLE FOOTING (SHALLOW) N.T.S.**

**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



## Lighting and Electrical Details (Section 12B2.6)




SIDE VIEW COMMERCIAL (MAJOR INTERSECTIONS)

SIDE VIEW COMMERCIAL (MID-BLOCK)

SIDE VIEW NEIGHBORHOOD (ALL LOCATIONS)

3 / 12B2.6 **LIGHT POLE (COMMERCIAL - MAJOR INTERSEC-TIONS) N.T.S.**

4 / 12B2.6 **LIGHT POLE (COMMERCIAL - MID BLOCK) N.T.S.**

5 / 12B2.6 **LIGHT POLE (NEIGHBORHOOD ALL LOCATIONS) N.T.S.**

| | |
|---|---|
| LIGHT STANDARDS: | LUMEC INC. (770)368-9930 |
| MID-BLOCK AND MINOR INTERSECTIONS | 175 MH-DMS60-SHA-APR4W-14-LBC1 |
| INTERSECTIONS ON ARTERIAL ROADS | 175 MH-DMS50-SG1-120-LM 1A-R61A-SC-15 |
| NEIGHBORHOOD / RESIDENTIAL STREETS | 175 MH-DMS60-SHA-APR4W-12-LBC1 (LUMEC GN8-TX) |

NOTE: THESE FIXTURES ARE PROVIDED AND INSTALLED THROUGH SANDY SPRINGS REVITALIZATION, INC. UNDER A BLANKET AGREEMENT WITH THE GEORGIA POWER CO. OUTDOOR LIGHTING PROGRAM.

**PROVIDE (ONE)1-WEATHERPROOF DUPLEX OUTLET W/ DEDICATED 20 AMP CIRCUIT AT THE BASE OF EACH STREET TREE FOR HOLIDAY TREE LIGHTING AND OTHER PUBLIC USES. PROVIDE SEPERATE DISCONNECT ACCESSIBLE ONLY TO THE ELECTRICAL UTILITY FOR ACTIVATION OF TREE LIGHTING CIRCUITS.**

**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



FOR INFORMATION PURPOSE

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

LIGHTING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 25-009

1/5/2009 GPLN

## Lighting and Electrical Details (Section 12B2.6)

| | |
|---|---|
| LIGHT STANDARDS: | LUMEC INC. (770)368-9930 |
| MID-BLOCK AND MINOR INTERSECTIONS | 175 MH-DMS60-SHA-APR4W-14-LBC1 |
| INTERSECTIONS ON ARTERIAL ROADS | 175 MH-DMS50-SG1-120-LM 1A-R61A-SC-15 |
| NEIGHBORHOOD / RESIDENTIAL STREETS | 175 MH-DMS60-SHA-APR4W-12-LBC1 (LUMEC GN8-TX) |

NOTE: THESE FIXTURES ARE PROVIDED AND INSTALLED THROUGH SANDY SPRINGS REVITALIZATION, INC. UNDER A BLANKET AGREEMENT WITH THE GEORGIA POWER CO. OUTDOOR LIGHTING PROGRAM.

**PROVIDE (ONE)1-WEATHERPROOF DUPLEX OUTLET W/ DEDICATED 20 AMP CIRCUIT AT THE BASE OF EACH STREET TREE FOR HOLIDAY TREE LIGHTING AND OTHER PUBLIC USES. PROVIDE SEPERATE DISCONNECT ACCESSIBLE ONLY TO THE ELECTRICAL UTILITY FOR ACTIVATION OF TREE LIGHTING CIRCUITS.**

6 / 12B2.6 — **GENERAL LIGHTING AND ELECTRICAL SPECIFICATIONS** N.T.S.

**STREETSCAPE MANUAL / URBAN DESIGN STANDARDS**



FOR INFORMATION PURPOSE

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

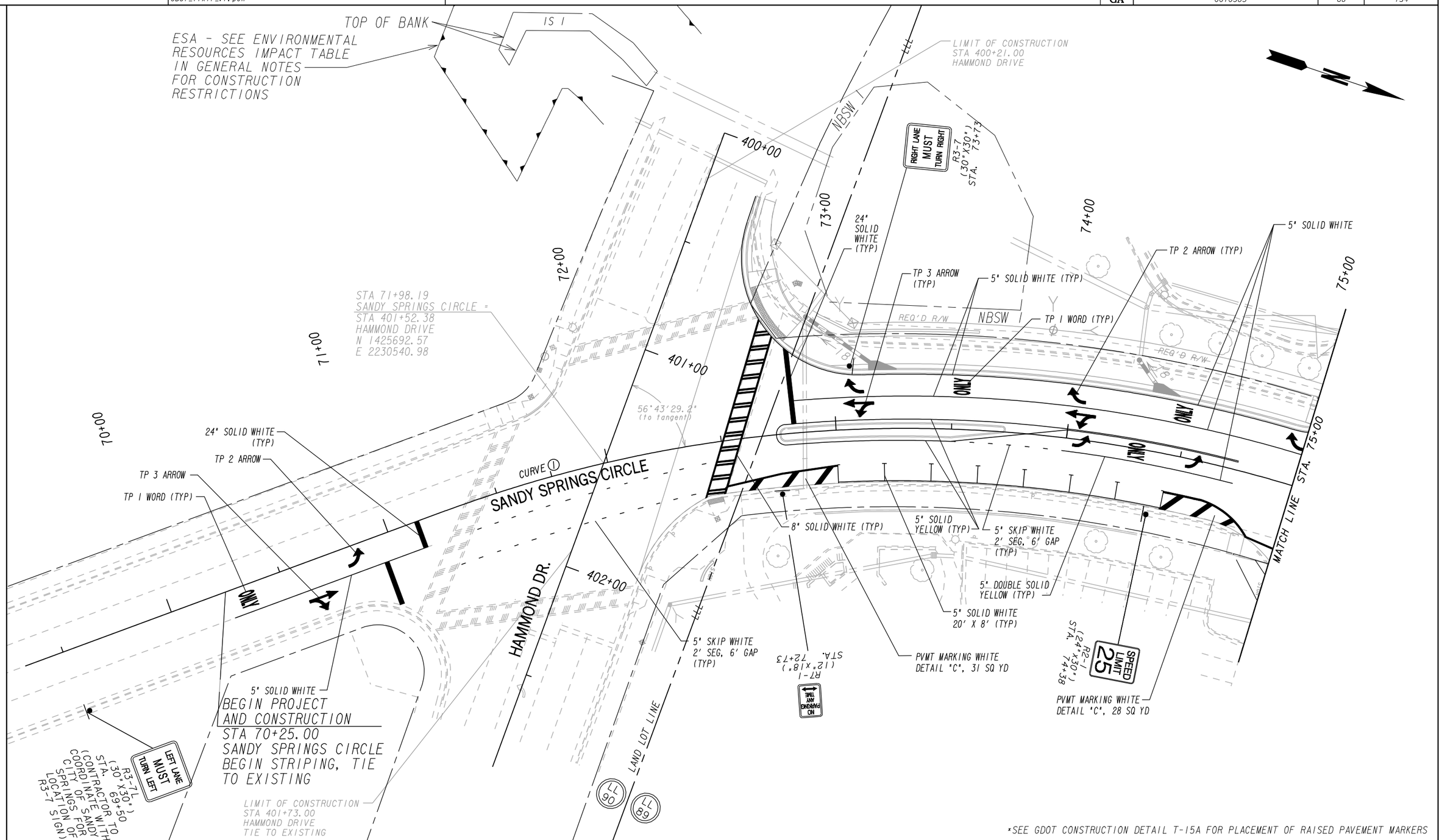
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

LIGHTING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 25-010

1/5/2009 GPLN




*SEE GDOT CONSTRUCTION DETAIL T-15A FOR PLACEMENT OF RAISED PAVEMENT MARKERS

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

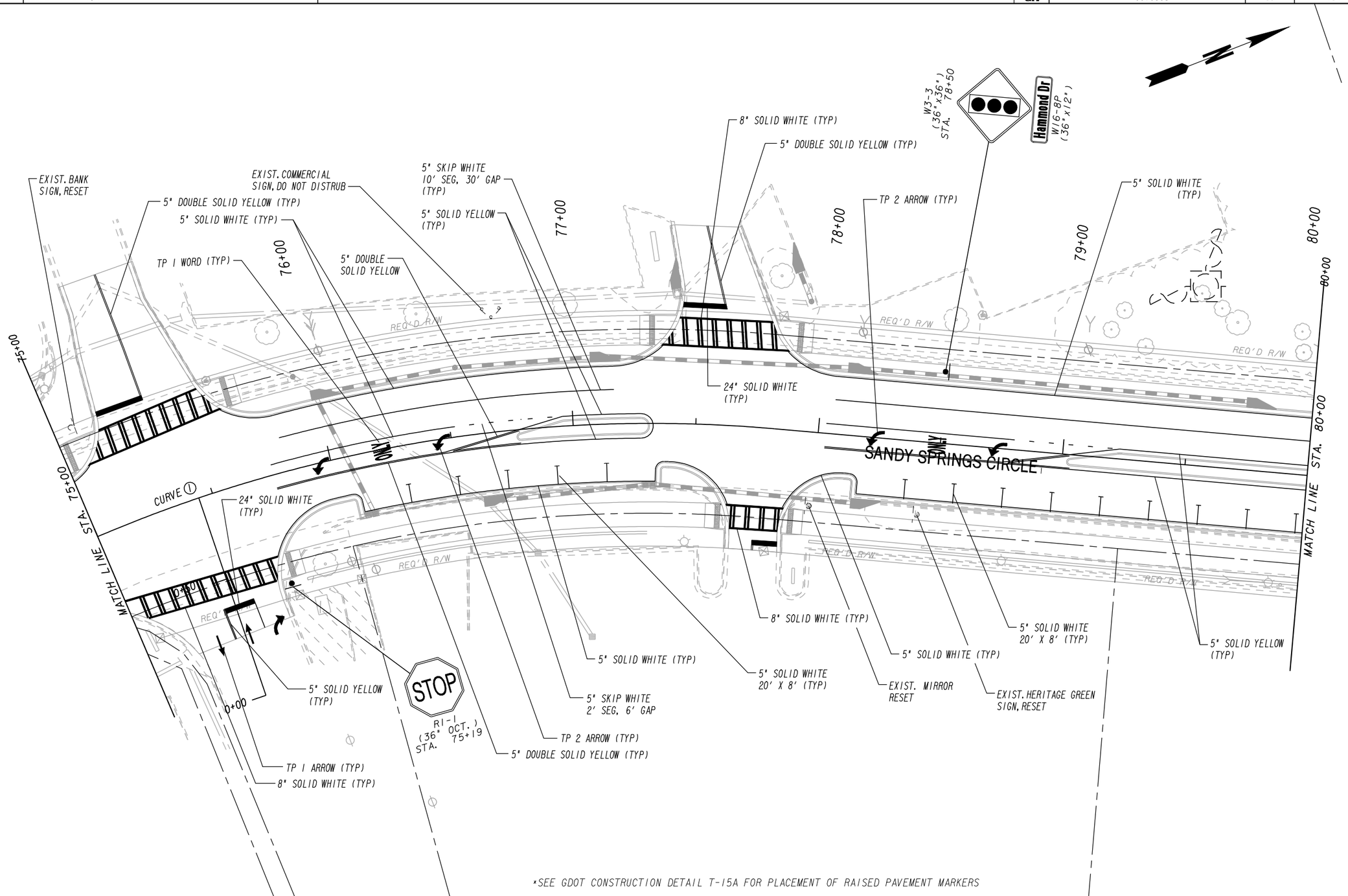
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# SIGNING AND MARKING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
BEGIN PROJECT TO STA. 75+00

DRAWING No. 26-001

1/5/2009 GPLN




*SEE GDOT CONSTRUCTION DETAIL T-15A FOR PLACEMENT OF RAISED PAVEMENT MARKERS

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

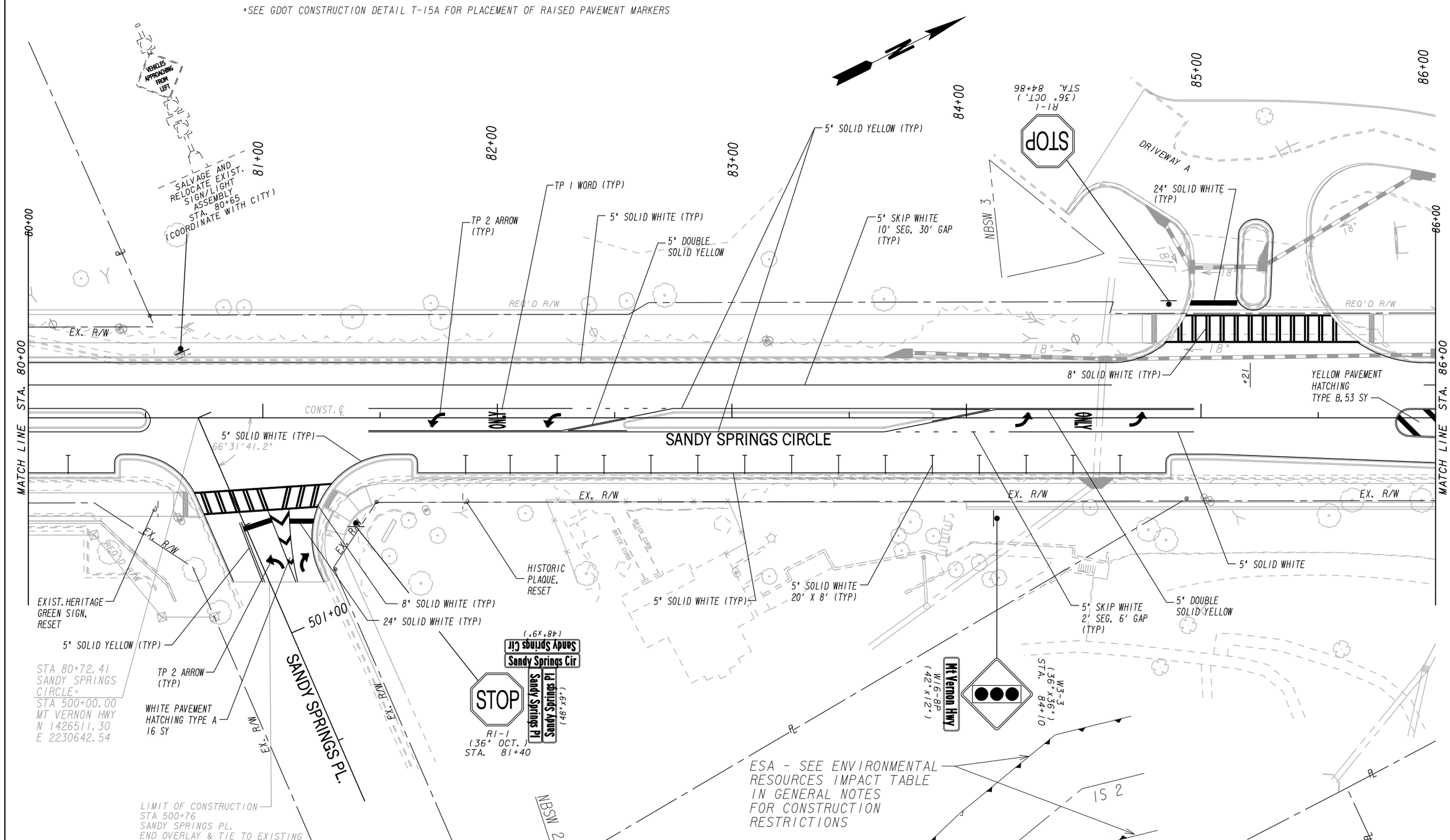
# SIGNING AND MARKING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
STA. 75+00 TO STA. 80+00

DRAWING No. 26-002

1/5/2009 GPLN

*SEE GDOT CONSTRUCTION DETAIL T-15A FOR PLACEMENT OF RAISED PAVEMENT MARKERS




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

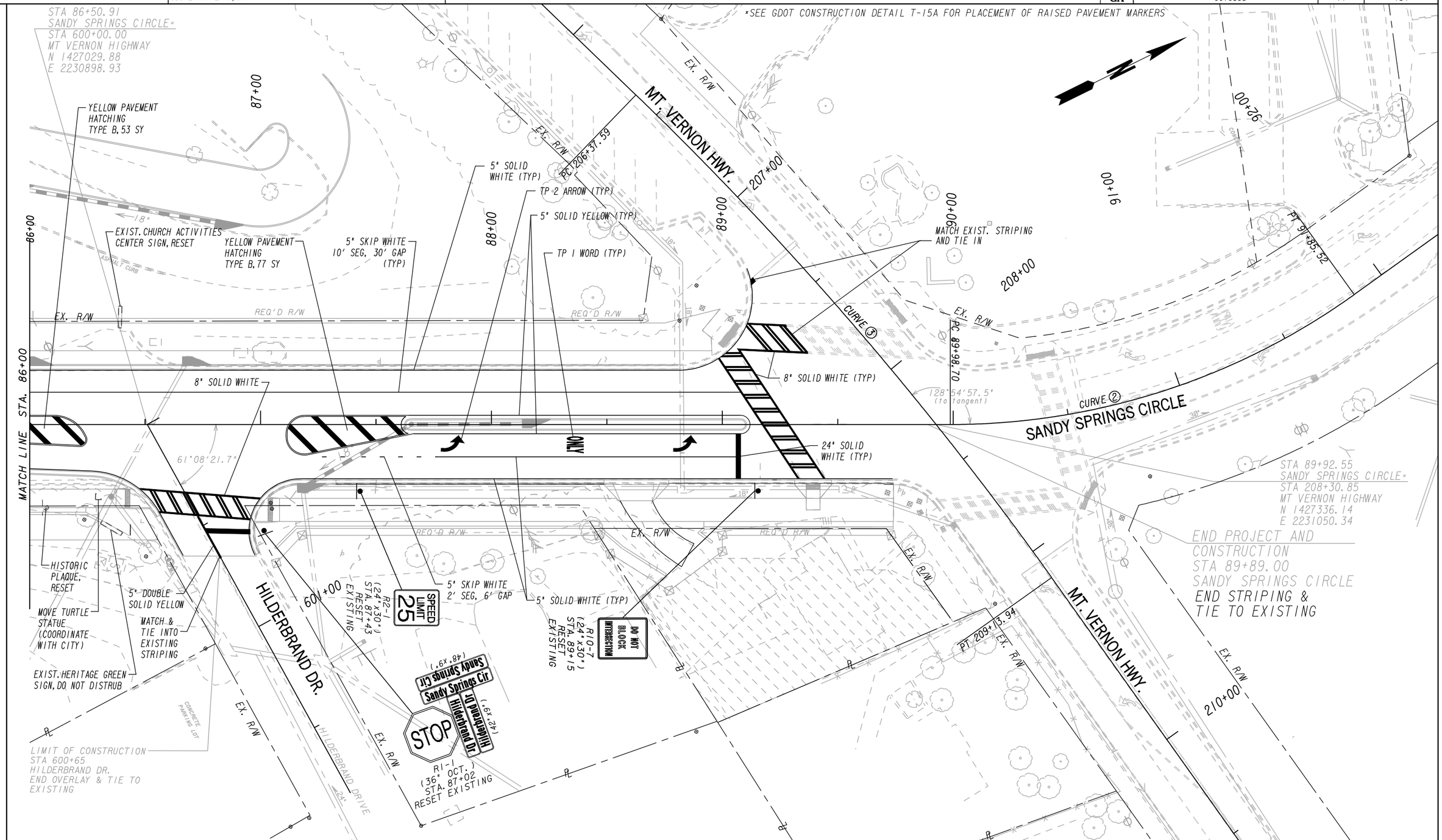
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# SIGNING AND MARKING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
STA. 80+00 TO STA. 86+00

DRAWING No. 26-003

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

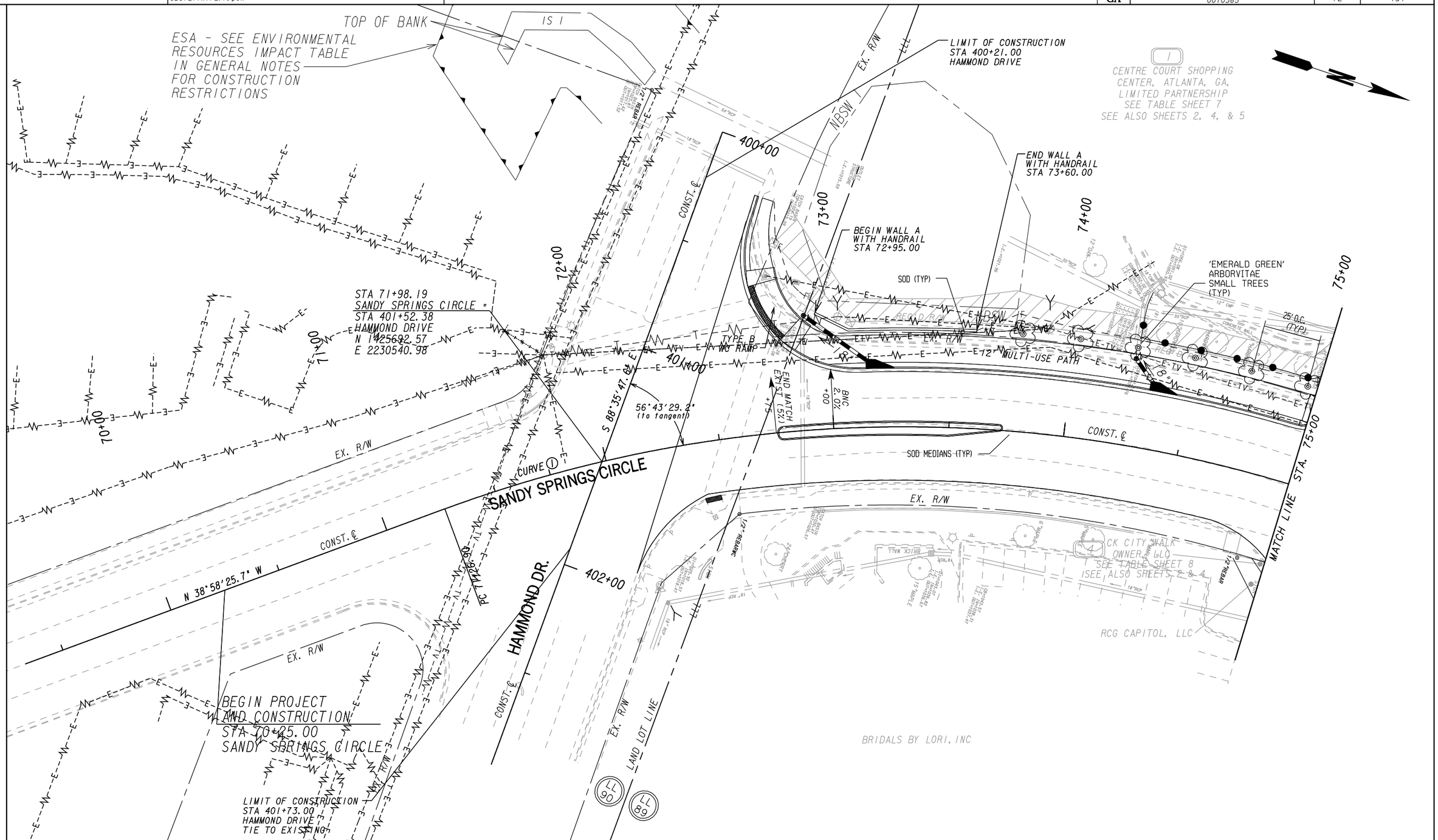
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# SIGNING AND MARKING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
STA. 86+00 TO END PROJECT

DRAWING No. 26-004




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

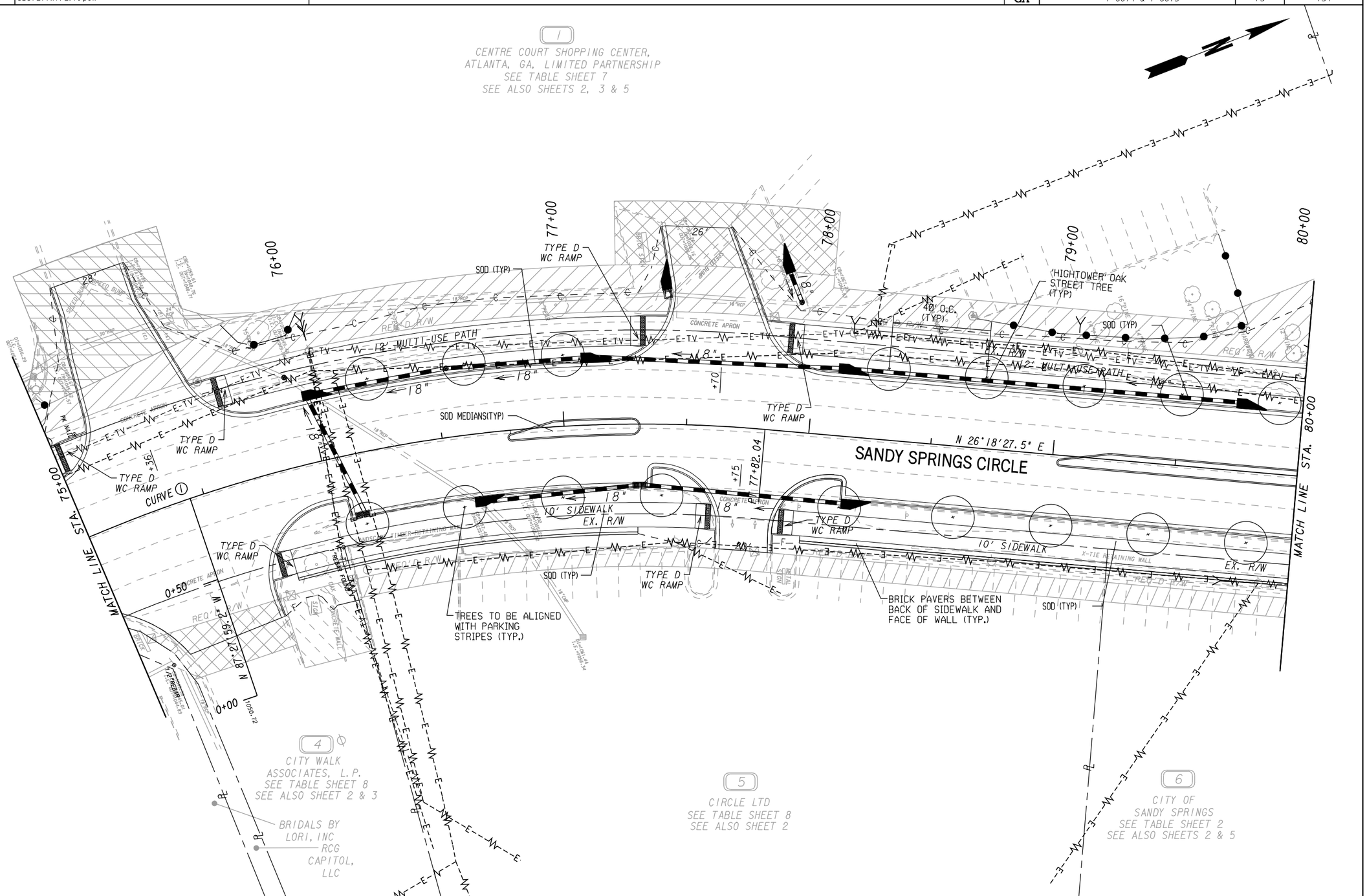
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# LANDSCAPING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
BEGIN PROJECT TO STA. 75+00

DRAWING No. 29-001

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

REVISION DATES

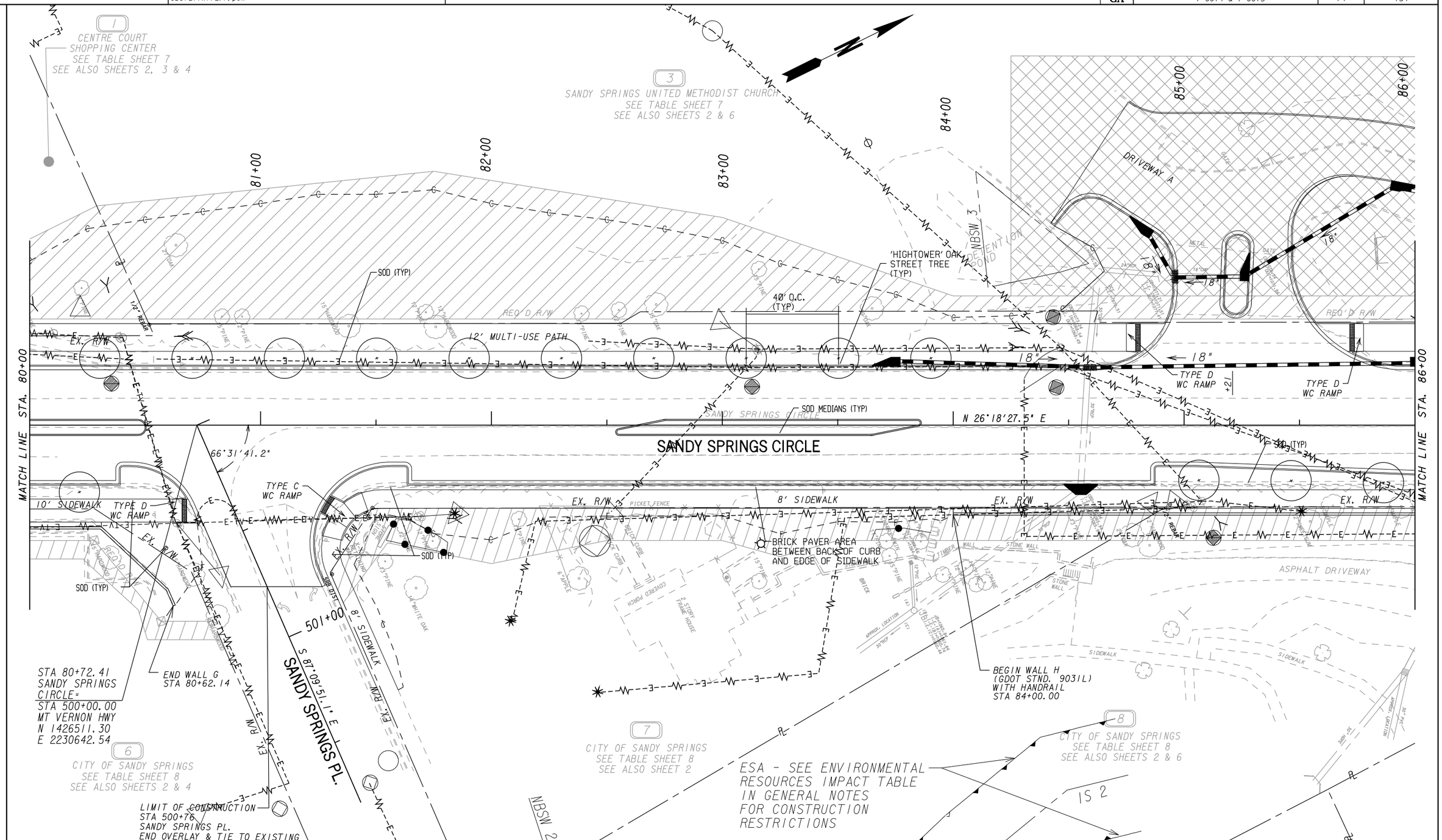
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# LANDSCAPING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE
STA. 75+00 TO STA. 80+00

DRAWING No. 29-002

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

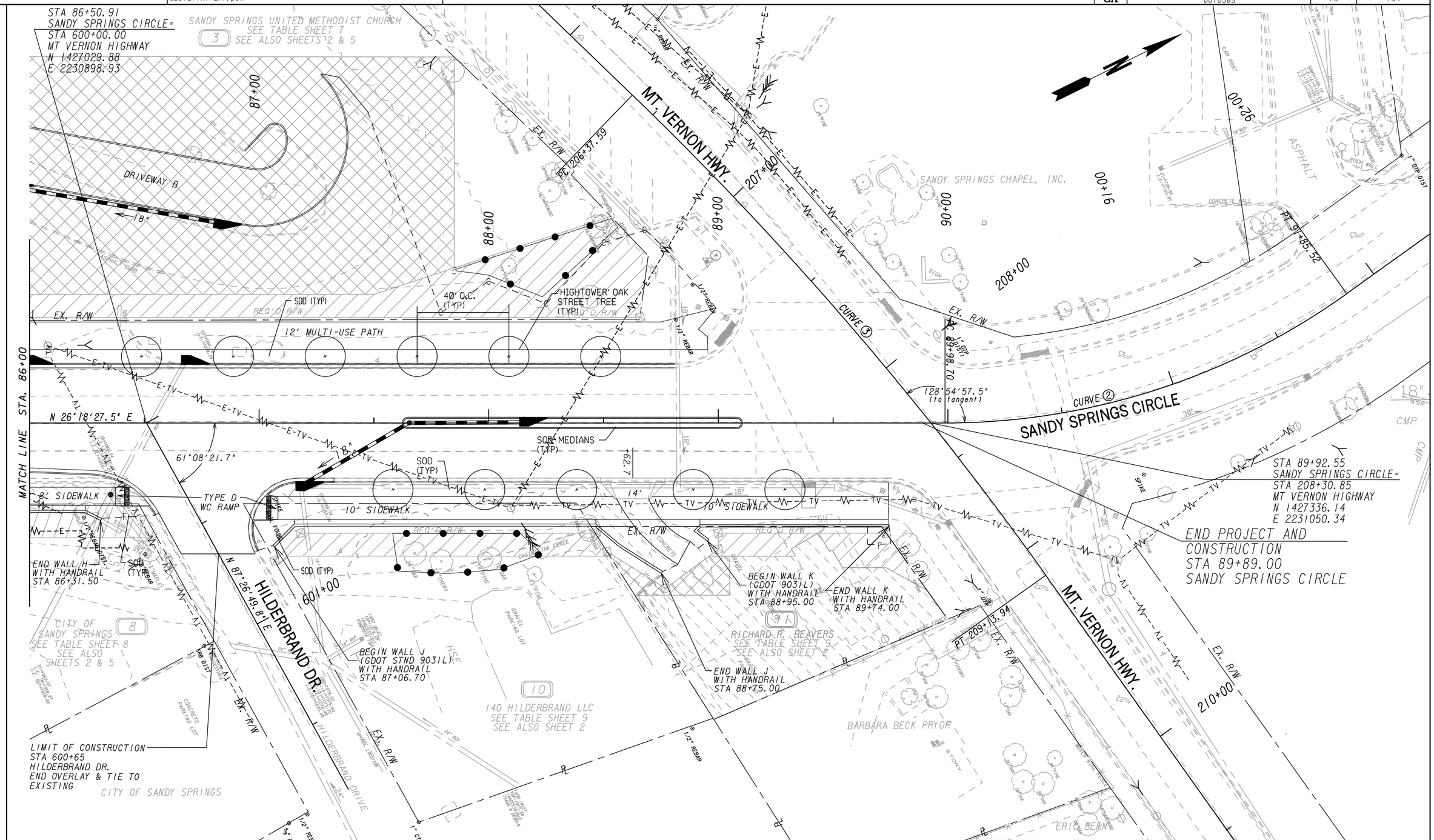
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# LANDSCAPING PLANS

SANDY SPRINGS CIRCLE
STREETSCAPE
STA. 80+00 TO STA. 86+00

DRAWING No. 29-003

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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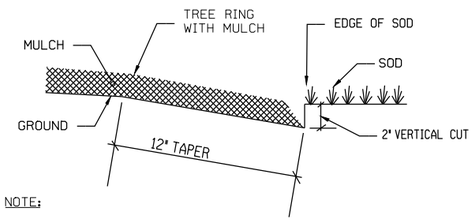
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

LANDSCAPING PLANS
SANDY SPRINGS CIRCLE
STREETSCAPE
STA. 86+00 TO END PROJECT

DRAWING No. 29-004

1/5/2009 GPLN

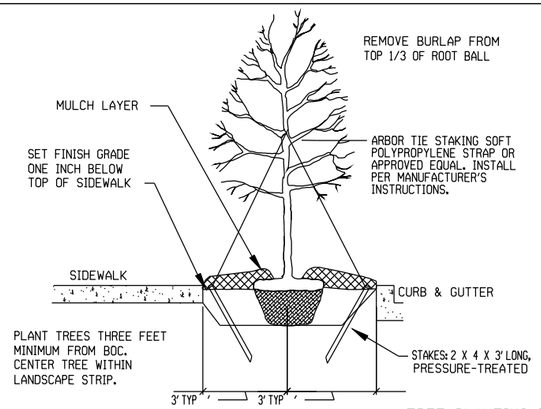



NOTE:

TREE RINGS SHALL BE UNIFORM CIRCLES, UNLESS BETWEEN BOC AND SIDEWALK. IF BETWEEN BOC AND SIDEWALK, TREE RINGS SHALL BE 6' SQUARE.

TRENCHED EDGE DETAIL FOR MULCH RING ADJACENT TO SOD

SCALE: NTS

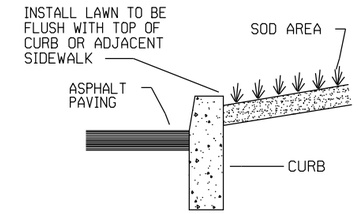



NOTES:

1. INSTALL TREES/ SHRUBS PLUMB. DO NOT DEPEND ON STAKING TO BRING TREE INTO PLUMB POSITION. STAKING SHALL BE ON AN AS-NEEDED BASIS. STAKING IS UNDESIRABLE BECAUSE OF THE POTENTIAL TRIPPING HAZARD AND POTENTIAL FOR GIRDLING IF WIRES ARE NOT REMOVED AS THE PLANT GROWS. IF STAKED, USE 3 GUY WIRES IN TRIANGULATION. KEEP ALL STAKING WITHIN THE RIGHT-OF-WAY.
2. DO NOT PILE MULCH AGAINST TREE TRUNK. MULCH RING SHALL BE SIX FEET IN DIAMETER. LOCATE STAKES WITHIN MULCH RING FOR EASE OF MAINTENANCE.
3. TREE PIT WIDTH - MINIMUM 2-TIMES THE WIDTH OF ROOTBALL.
4. REMOVE ALL CORD OR TWINE AROUND TRUNK TO PREVENT GIRDLING.
5. SET TOP OF TREE ROOTBALL 1.5-2 INCHES ABOVE FINISH GRADE.
6. AVOID EXCAVATION BELOW TREE ROOTBALLTO PREVENT SETTLING. BACKFILL TREE-PIT WITH LOOSENED NATIVE SOIL.
7. STRAPS SHALL HAVE ENOUGH SLACK TO ALLOW MOVEMENT OF THE TRUNK AND TOP, BUT NOT ENOUGH TO ALLOW THE ROOT BALL TO SHIFT.

TREE PLANTING DETAIL FOR TYPICAL SECTION

SCALE: NTS




LAWN INSTALLATION AT CURB OR WALKWAY

NOT TO SCALE

LAWN INSTALLATION AT CURB OR WALKWAY

SCALE: NTS

## PLANT LEGEND & SCHEDULE

| QUANTITY | SYMBOL | COMMON/BOTANICAL NAME | CAL. | HEIGHT | SPREAD | CONDITION | SIZE | SPACING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | TREES | | | | | | | |
| 42 | | QUERCUS PHELLOS 'HIGHTOWER'<br>HIGHTOWER WILLOW OAK | 3" MIN. | 14'-16' | 5'-6' | B&B OR CONT | | AS SHOWN | WELL BALANCED HEAD, 7' CLEAR, STRAIGHT TRUNK, MATCHED FOR STREET TREE PLANTING. |
| 6 | | THUJA OCCIDENTALIS 'SMARAGD'<br>EMERALD GREEN ARBORVITAE | NA | 7'-8' | 2'-3' | B&B OR CONT | | AS SHOWN | MATCHED, FULL TO THE GROUND<br>M |
| SEE MAIN PROJECT QUANTITIES | | GROUNDCOVER<br>HYBRID BERMUDA SOD - TIF 419<br>PLANT BETWEEN SIDEWALK AND B.O.C<br>AND IN ALL MEDIANS<br>AND ALL DISTURBED AREAS UNLESS<br>OTHERWISE INDICATED. | | | | | | | |

## DETAILED NEW PLANTING SCHEDULE

| ITEM NO. | DESCRIPTION | UNITS | QUANTITY |
|---|---|---|---|
| | NEW PLANTING MATERIALS | | |
| 702-0905 | QUERCUS PHELLOS 'HIGHTOWER' | EA | 43 |
| 702-1059 | THUJA OCCIDENTALIS 'SMARAGD' | EA | 6 |
| 700-9300 | HYBRID BERMUDA SOD TIF 419 | SY | PROJECT |
| 700-9025 | LANDSCAPE MULCH | SY | 200 |

## GENERAL NOTES:

1. PLANT LIST QUANTITIES ARE FOR REFERENCE ONLY. KEYED PLANS SHALL GOVERN OVER PLANT LIST.
2. ALL PLANTS AND PLANT BEDS SHALL RECEIVE A 3" LAYER OF WELL-AGED SHREDDED HARDWOOD MULCH. APPLY PRE-EMERGENT TO ALL TREE RINGS PER MANUFACTURER'S RECOMMENDATIONS. APPLY PRE-EMERGENT TO ALL SOD AREAS PRIOR TO INSTALLATION.
3. THE GENERAL CONTRACTOR SHALL SUPPLY ROUGH GRADES +\-0.2 FEET, WITH POSITIVE DRAINAGE PATTERNS ESTABLISHED. THE LANDSCAPE CONTRACTOR WILL FINE GRADE FOR PLANTING OPERATIONS.
4. TOPSOIL SHALL BE STRIPPED AND STOCKPILED BY THE GRADING CONTRACTOR. STOCKPILED TOPSOIL WILL BE SPREAD BY THE GRADING CONTRACTOR TO A MINIMUM DEPTH OF 4 INCHES IF QUANTITIES ARE SUFFICIENT.
5. ALL PLANT MATERIAL SHALL MEET OR EXCEED SIZE AND SHAPE RELATIONSHIPS SPECIFIED IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
6. ALL SIZES SPECIFIED REFER TO SIZE AT TIME OF PLANTING.
7. REFER TO GEORGIA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS-CONSTRUCTION OF TRANSPORTATION SYSTEMS', 2001 EDITION, FOR FURTHER SPECIFICATIONS. SPECIFICALLY REFER TO SECTIONS 893, 700, 702, 705, 706, 708, 725.
8. "TOPPING" OF TREES SHALL BE PROHIBITED.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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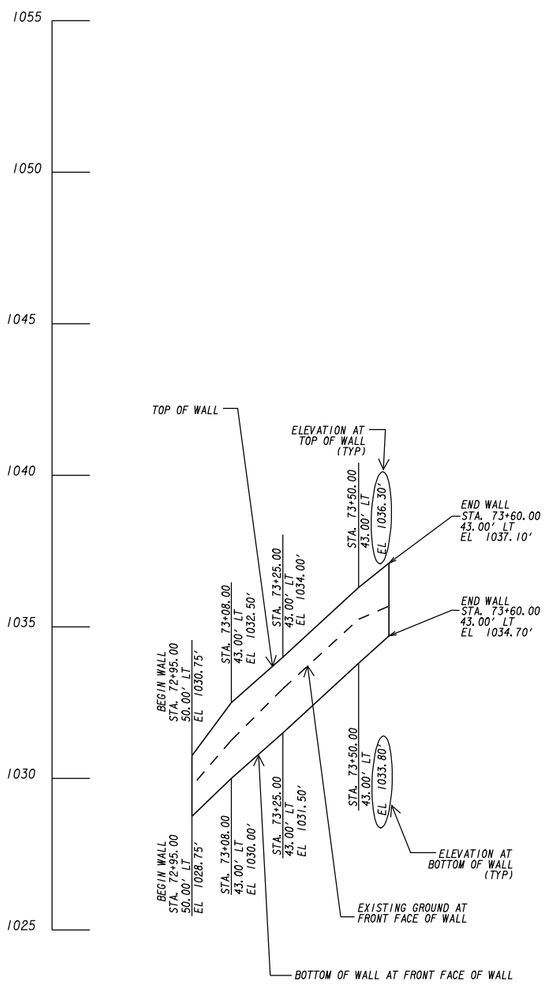
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

LANDSCAPING PLANS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 29-005




GRAVITY WALL A

NOTE: SEE GDOT STANDARD 9031L FOR GRAVITY WALL DETAILS AND METHOD OF PAYMENT.

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

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SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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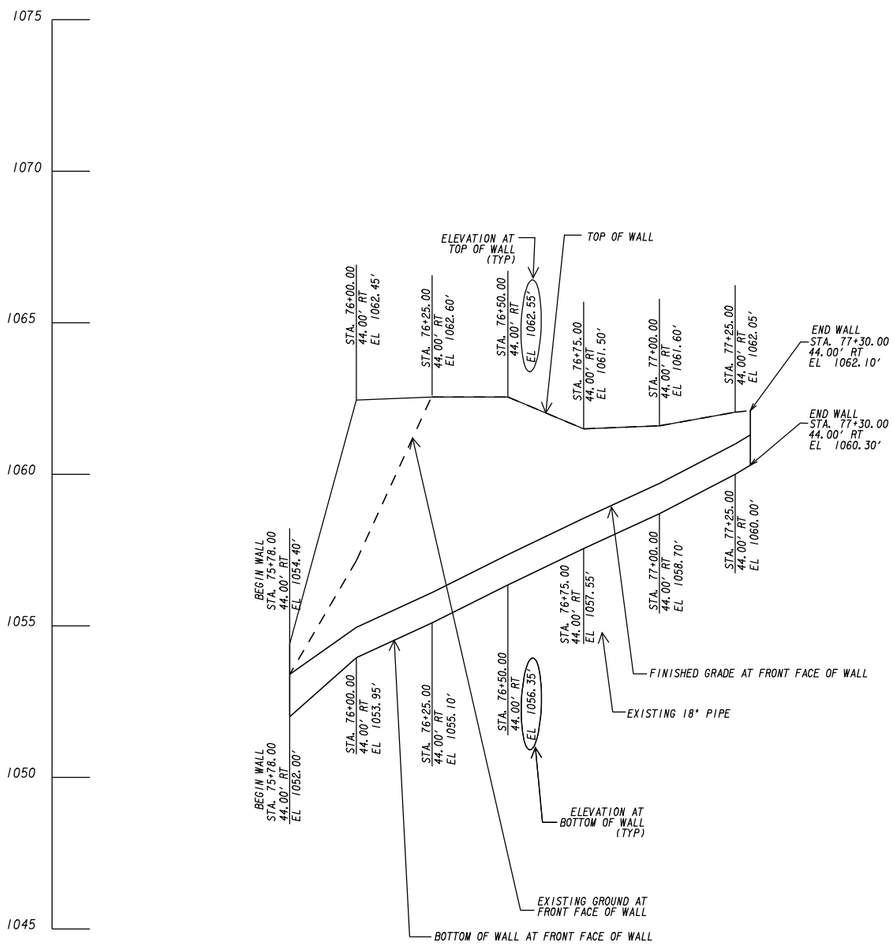
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

RETAINING WALL ENVELOPES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 31-001

3/1/2007 GPLN




# GRAVITY WALL F

SEE SHEETS 23-008 AND 23-009 FOR ADDITIONAL INFORMATION FOR WALL F CONSTRUCTION

NOTE: SEE GDOT STANDARD 9031L FOR GRAVITY WALL DETAILS AND METHOD OF PAYMENT.

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

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SANDY SPRINGS GEORGIA

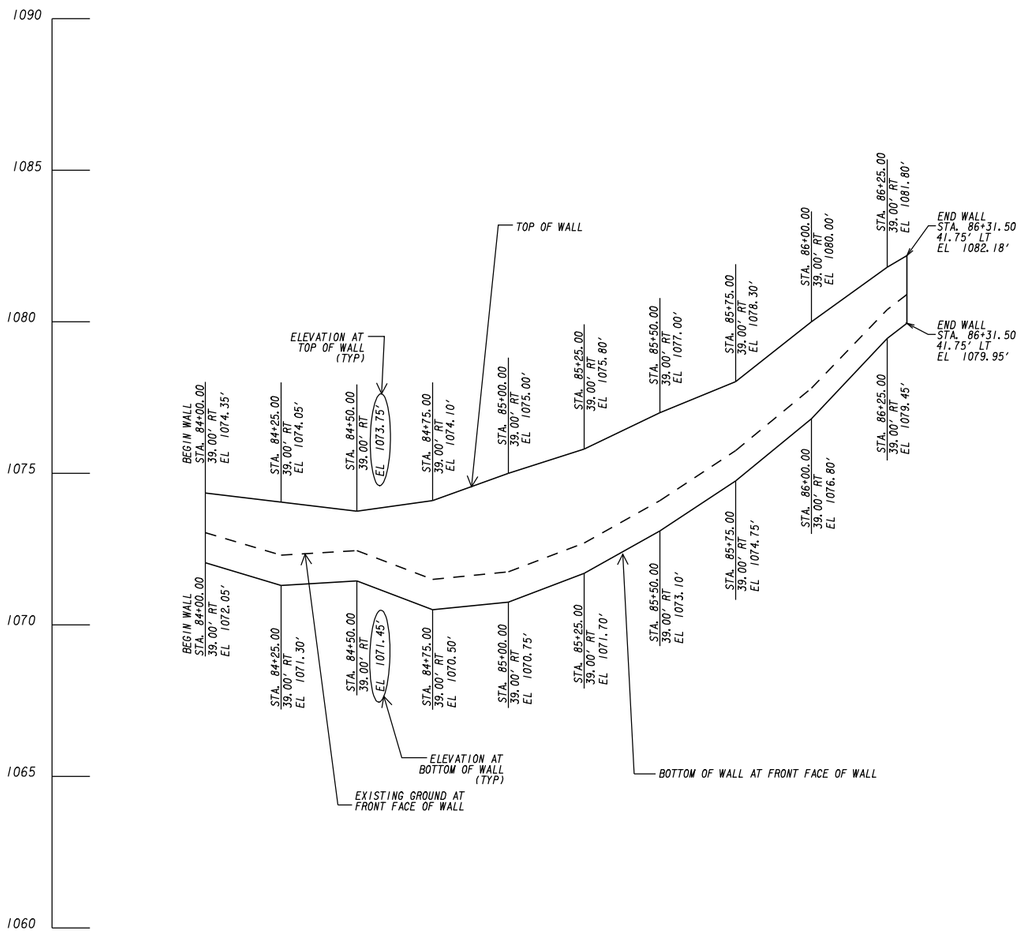
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

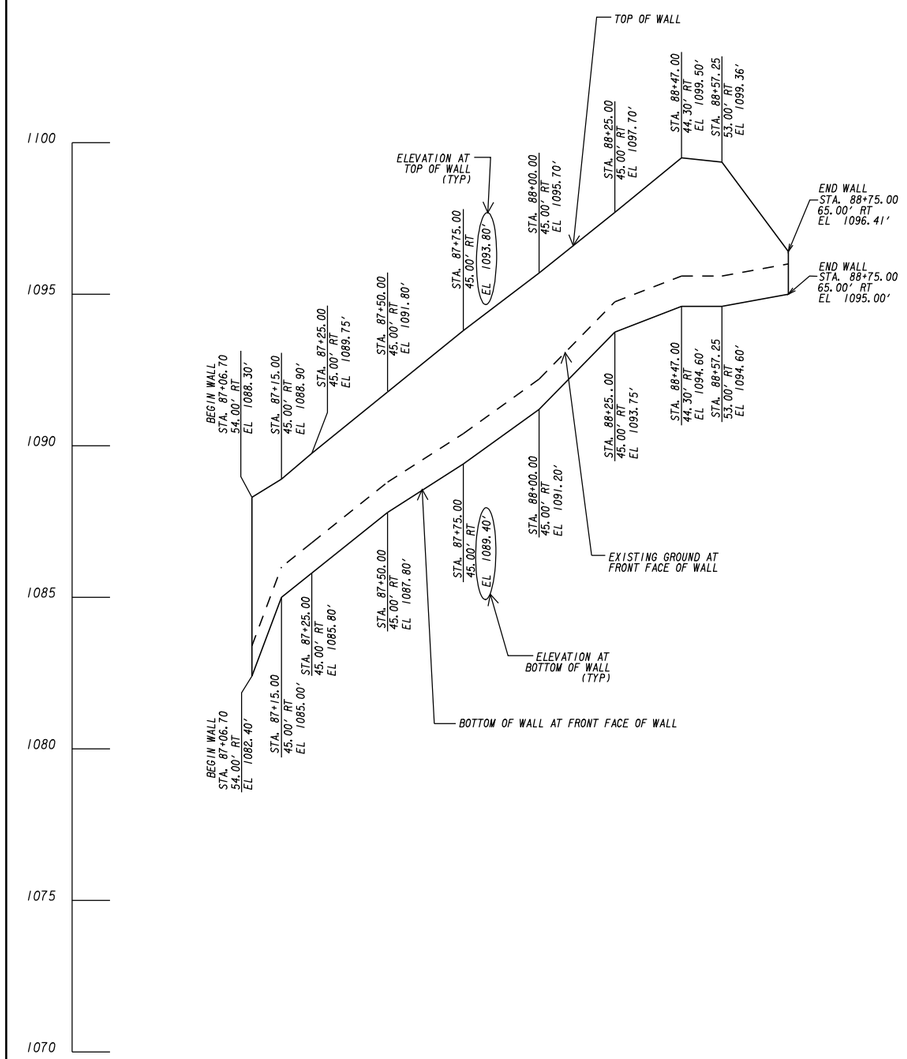
RETAINING WALL ENVELOPES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 31-002




GRAVITY WALL H




GRAVITY WALL J

NOTE: SEE GDOT STANDARD 9031L FOR GRAVITY WALL DETAILS AND METHOD OF PAYMENT.

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

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REVISION DATES

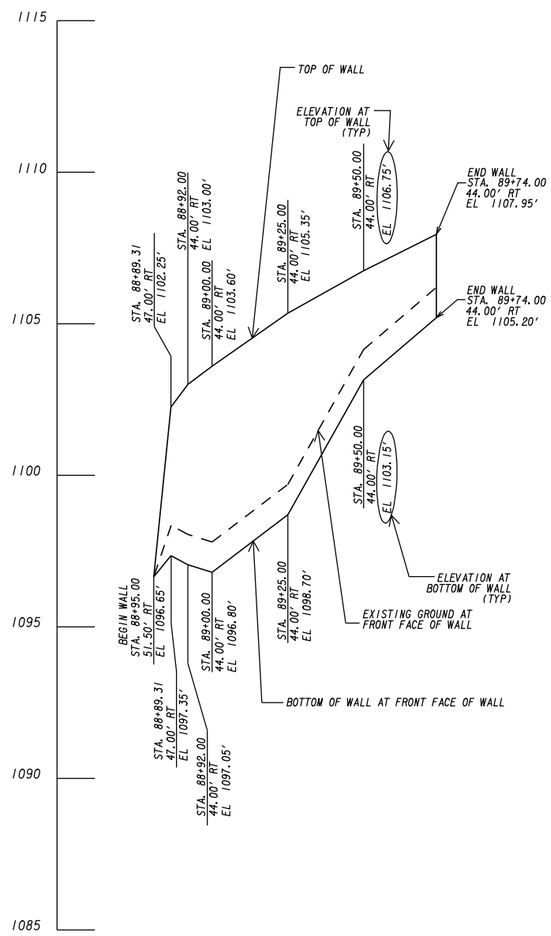
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

RETAINING WALL ENVELOPES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 31-003

3/1/2007 GPLN




GRAVITY WALL K

NOTE: SEE GDOT STANDARD 9031L FOR GRAVITY WALL DETAILS AND METHOD OF PAYMENT.

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

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SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

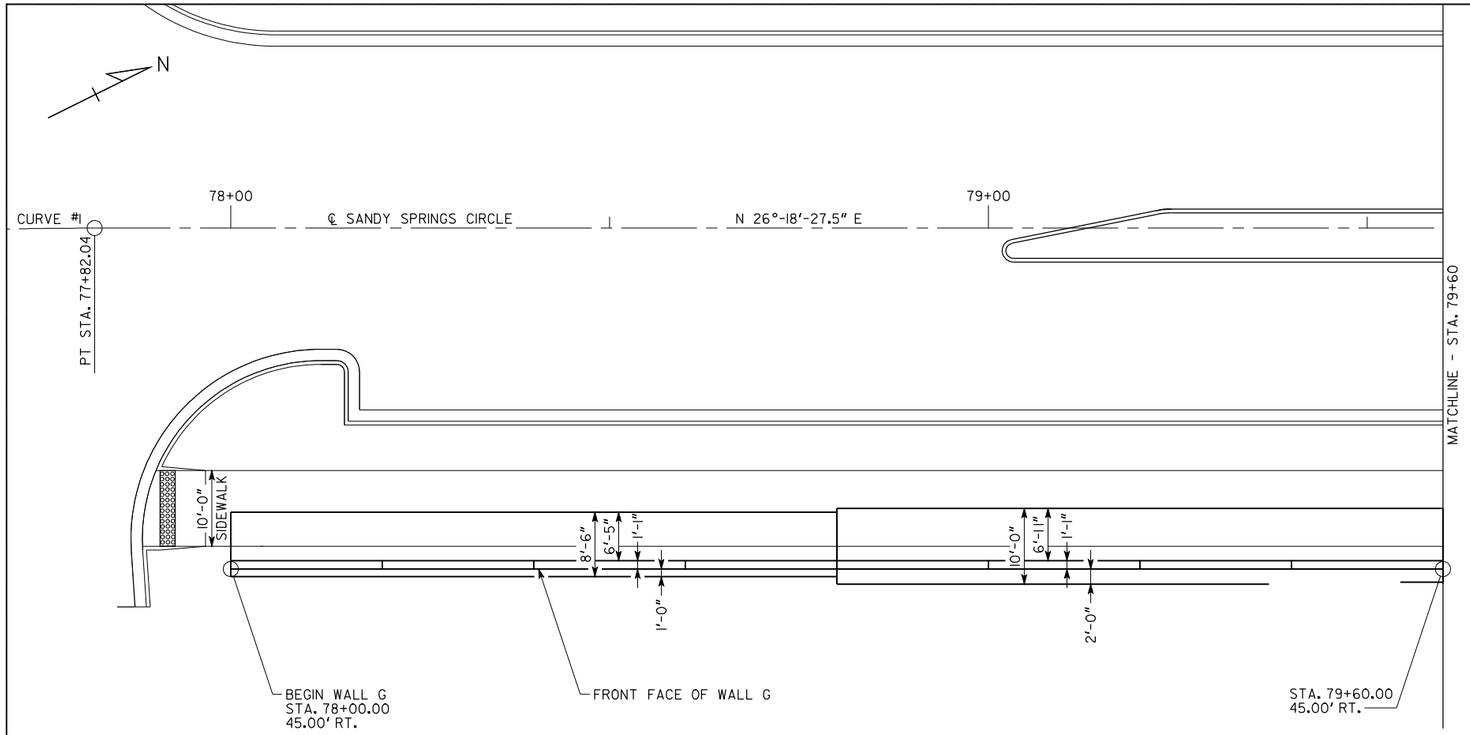
RETAINING WALL ENVELOPES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 31-004

3/1/2007 GPLN

P.I. NO.
0010385

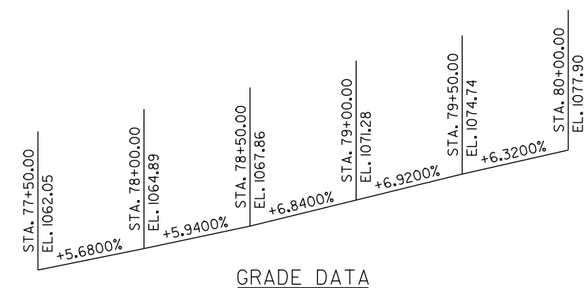



PLAN

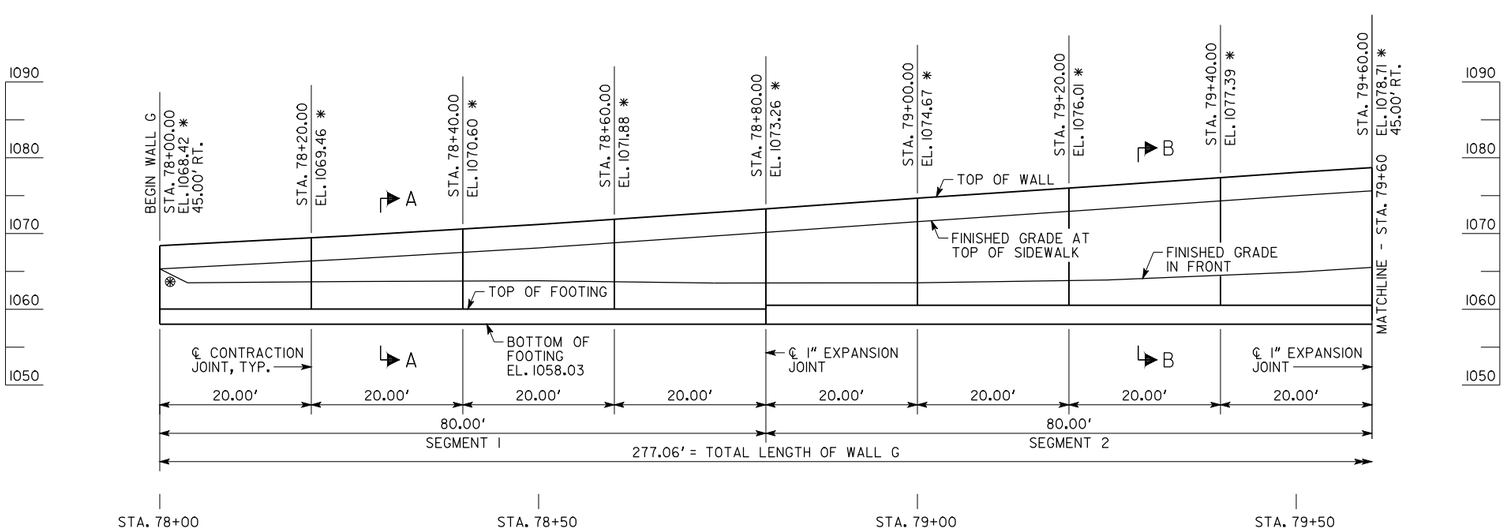
## HORIZONTAL CURVE DATA
## SANDY SPRINGS CIRCLE

CURVE #1

P.I. STA. = 74+95.20
Δ = 65°-16'-53.2"
D = 09°-57'-52.1"
T = 368.30 FT.
L = 655.14 FT.
R = 575.00 FT.
S.E. = 2.00% NC




GRADE DATA
SANDY SPRINGS CIRLCE




ELEVATION
LOOKING AT FRONT FACE OF WALL

## NOTES:

1. * ELEVATION AT TOP OF WALL AT FRONT FACE OF WALL, TYP.
2. ⊛ 2:1 SLOPE
3. FOR WALL NOTES SEE DRAWING 32-0003. FOR WALL SECTIONS AND DETAILS SEE DRAWING 32-0004.

WALL G


Michael Baker INTERNATIONAL
MICHAEL BAKER INTERNATIONAL
420 TECHNOLOGY PARKWAY, SUITE 150
NORCROSS, GEORGIA 30092
(770) 263-9118


02-28-2019
GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 029007 GEORGE J B MANNING

| DATE | REVISIONS | BY |
|---|---|---|
| | | |

SANDY SPRINGS GEORGIA

CITY OF
SANDY SPRINGS

WALL PLAN AND ELEVATION

SANDY SPRINGS CIRCLE STREETSCAPE -
HAMMOND DRIVE TO MOUNT VERNON HIGHWAY
FULTON COUNTY 0010385

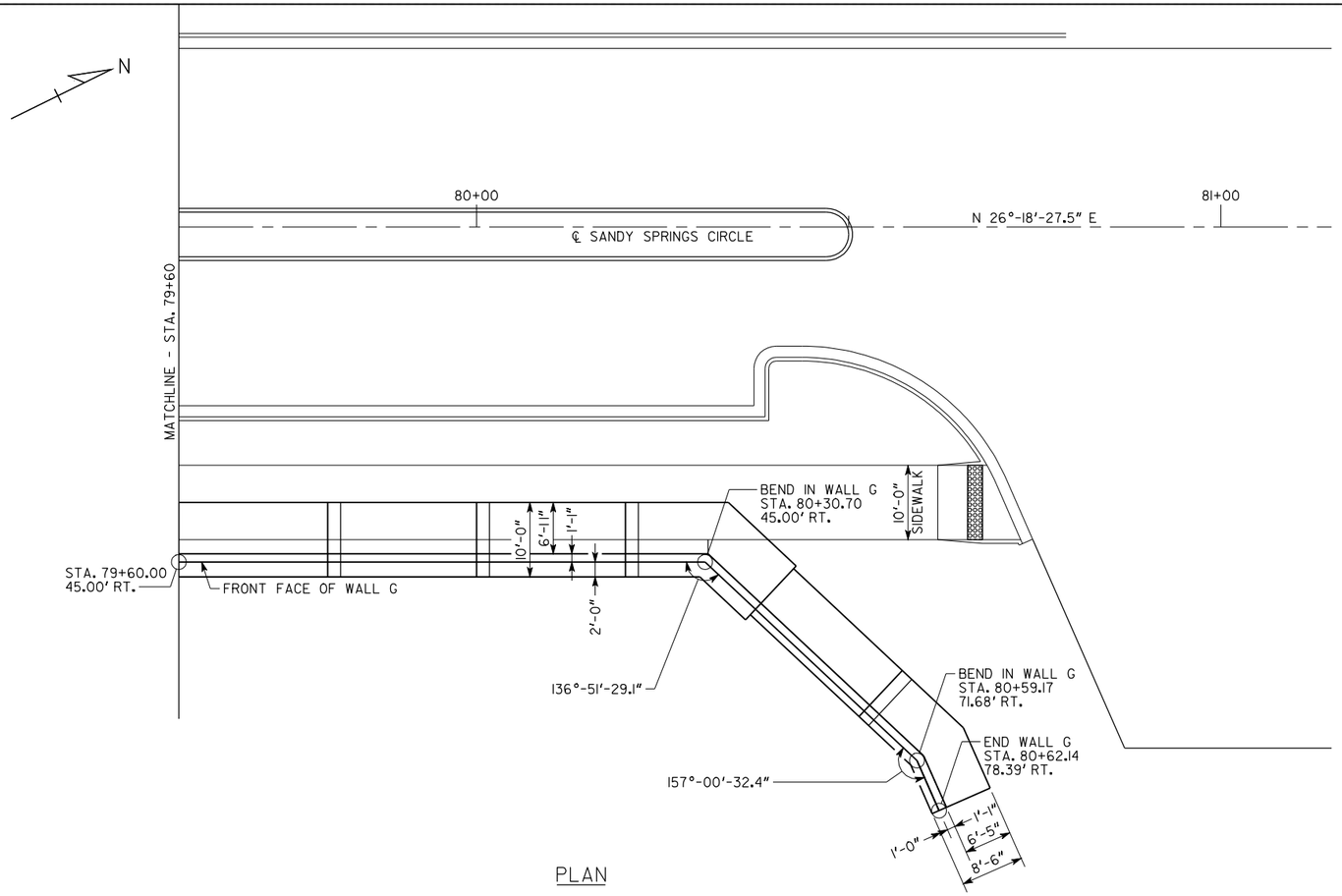
SCALE: 1" = 10'-0" FEBRUARY 2019

DRAWING NO.
32-0001

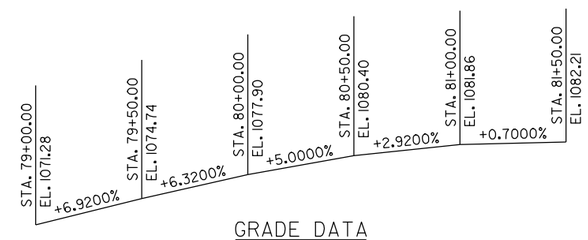
WALL SHEET
1 OF 5

DESIGNED JEV
DRAWN JEV
CHECKED GJM
DESIGN GROUP -
REVIEWED -
APPROVED -

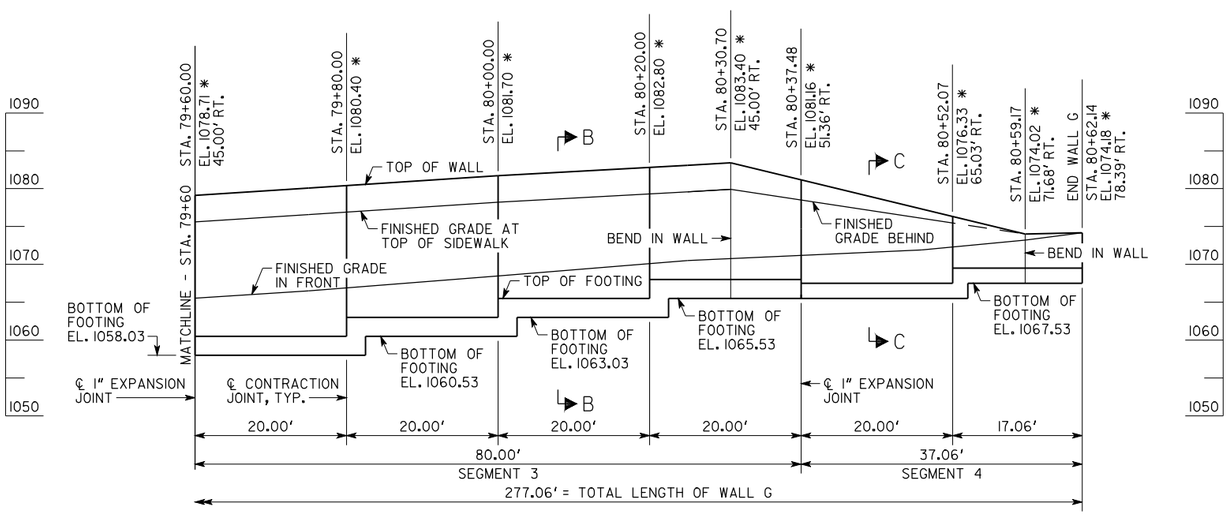
P.I. NO.
0010385




PLAN




GRADE DATA
SANDY SPRINGS CIRLCE




ELEVATION
LOOKING AT FRONT FACE OF WALL

NOTES:

1. * ELEVATION AT TOP OF WALL AT FRONT FACE OF WALL, TYP.
2. FOR WALL NOTES SEE DRAWING 32-0003. FOR WALL SECTIONS AND DETAILS SEE DRAWING 32-0004.

WALL G


Michael Baker INTERNATIONAL
MICHAEL BAKER INTERNATIONAL
420 TECHNOLOGY PARKWAY, SUITE 150
NORCROSS, GEORGIA 30092
(770) 263-9118


SANDY SPRINGS GEORGIA

CITY OF
SANDY SPRINGS

WALL PLAN AND ELEVATION
SANDY SPRINGS CIRCLE STREETSCAPE -
HAMMOND DRIVE TO MOUNT VERNON HIGHWAY
FULTON COUNTY 0010385

| DATE | REVISIONS | BY |
|---|---|---|
| | | |

SCALE: 1" = 10'-0" FEBRUARY 2019

DRAWING NO. 32-0002
WALL SHEET 2 OF 5

DESIGNED JEV
DRAWN JEV
CHECKED GJM
DESIGN GROUP -
REVIEWED -
APPROVED -

P.I. NO.
0010385

## GEORGIA STANDARDS

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

## GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2013 EDITION WITH SUPPLEMENTS, AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH EXPANSION JOINTS. STEM LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH CONTRACTION JOINTS. LONGITUDINAL FOOTING REINFORCING SHALL BE CONTINUOUS BETWEEN EXPANSION JOINTS. WHEN FOOTING SIZE CHANGES, LONGITUDINAL REINFORCING FOR SMALLER FOOTING SHALL EXTEND 1'-6" MINIMUM INTO LARGER FOOTING.

CONCRETE COVER - MAINTAIN 3 INCHES COVER ON ALL FOOTING REINFORCING STEEL AND 2 INCHES COVER ON ALL STEM REINFORCING.

BACKFILL - PLACE BACKFILL ON FRONT FACE SIDE OF WALL BEFORE BACKFILLING BACK FACE OF WALL.

STATIONS AND OFFSETS - STATIONS SHOWN ARE ALONG CL SANDY SPRINGS CIRCLE. OFFSETS SHOWN ARE MEASURED TO THE FRONT FACE OF WALL.

TEMPORARY SHORING - PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION.

GEOCOMPOSITE WALL DRAIN - USE A GEOCOMPOSITE WALL DRAIN, SELECTED FROM THE GEORGIA DOT QUALIFIED PRODUCTS LIST, IS AN ACCEPTABLE SUBSTITUTE FOR THE SAND BLANKET SHOWN IN THE DRAINAGE DETAILS.

WEEPHOLES - 4" I.D. WEEPHOLES SHALL BE PROVIDED AT A MAXIMUM SPACING OF 8'-0" O.C., FULL LENGTH OF WALL.

WALL JOINTS - EXPANSION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 90'-0" AND EXTEND THROUGH THE WALL STEM AND FOOTING. CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 20'-0" AND EXTEND THROUGH THE WALL STEM ONLY.

JOINTS IN WALL FORMS - SUPPORT JOINTS IN WALL FORMS WITH BACKING STRIPS TO PROVIDE A FLUSH SURFACE IN THE FINISHED WALL FACE.

FOOTING EXCAVATION - EXCAVATE FOR SPREAD FOOTINGS WITH CARE TO PREVENT UNDERCUTTING. PLACE FOOTINGS ON UNDISTURBED SOIL.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF JOINT FILLERS, WATERPROOFING AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

## DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 7TH EDITION, 2014

CONCRETE ---------- CLASS A, $f'_c$ = 3,000 PSI

REINFORCEMENT STEEL ---------- GRADE 60, $f_y$ = 60,000 PSI

FACTORED BEARING RESISTANCE:

STA. 78+00 TO 78+80 = 4.55 KSF

STA. 78+80 TO 79+60 = 5.56 KSF

STA. 79+60 TO 80+37 = 6.20 KSF

STA. 80+37 TO 80+62 = 5.76 KSF

COLLISION LOAD AT TOP OF BARRIER ---------- 27 KIPS

BACKFILL SOIL PARAMETERS: COHESION ---------- 0 PSF

ANGLE OF INTERNAL FRICTION --------- 30°

UNIT WEIGHT ---------- 120 PCF

FOUNDATION SOIL PARAMETERS: COHESION ---------- 0 PSF

ANGLE OF INTERNAL FRICTION --------- 28°

UNIT WEIGHT ---------- 120 PCF

COEFFICIENT OF SLIDING FRICTION --- 0.58

## SUMMARY OF QUANTITIES

| PAY ITEM NUMBER | QUANTITY | UNIT | PAY ITEM |
|---|---|---|---|
| 500-3107 | 393 | CY | CLASS A CONCRETE, RETAINING WALL |
| 511-1000 | 61128 | LB | BAR REINF STEEL |
| 530-0105 | 48 | SY | WATERPROOFING |
| 607-1000 | 83 | CY | MORTAR RUBBLE MASONRY |

WALL G

Michael Baker INTERNATIONAL

MICHAEL BAKER INTERNATIONAL
420 TECHNOLOGY PARKWAY, SUITE 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

CITY OF SANDY SPRINGS

GENERAL NOTES
SANDY SPRINGS CIRCLE STREETSCAPE - HAMMOND DRIVE TO MOUNT VERNON HIGHWAY
FULTON COUNTY 0010385

| REVISIONS | DATE | BY |
|---|---|---|
| | | |

DRAWING NO. 32-0003

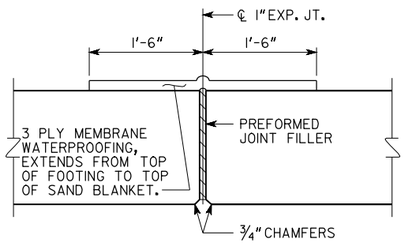
WALL SHEET 3 OF 5

SCALE: NONE

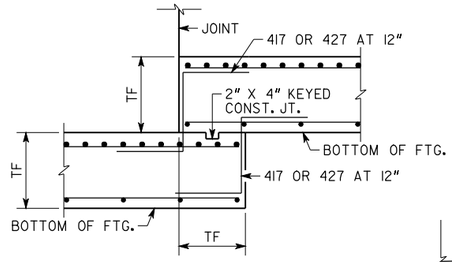
FEBRUARY 2019

DESIGNED JEV | CHECKED GJM | REVIEWED
DRAWN JEV | DESIGN GROUP | APPROVED

P.I. NO. 0010385

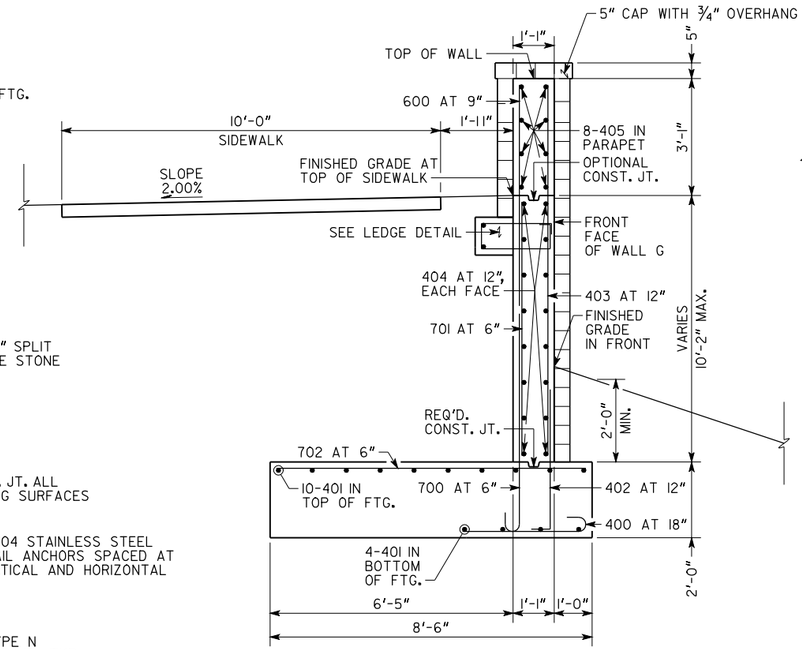



DETAIL OF EXPANSION JOINT

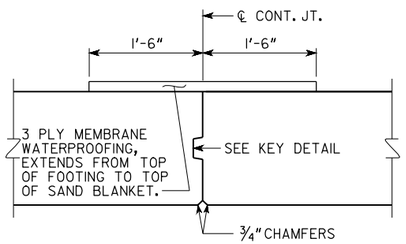



FOOTING STEP DETAIL

TF = FOOTING THICKNESS

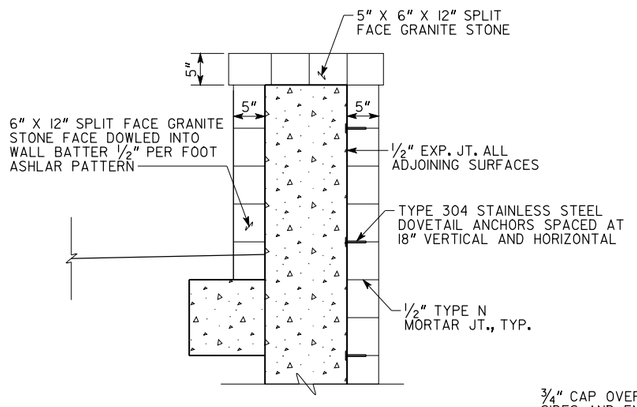



SECTION A-A



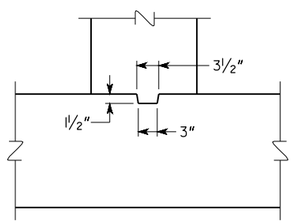

DETAIL OF CONTRACTION JOINT

SCALE: 1" = 1'-0"




GRANITE CLADDING DETAILS

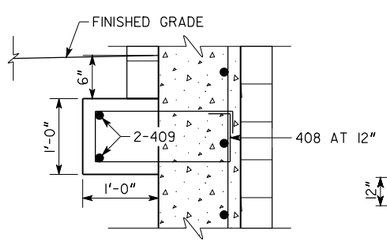
SCALE: 1" = 1'-0"




(FOR USE IN FOOTING AND CONTRACTION JOINT.)

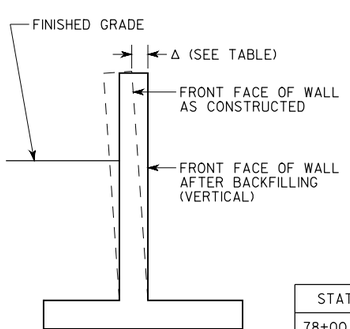
KEY DETAIL

SCALE: 1" = 1'-0"




LEDGE DETAIL

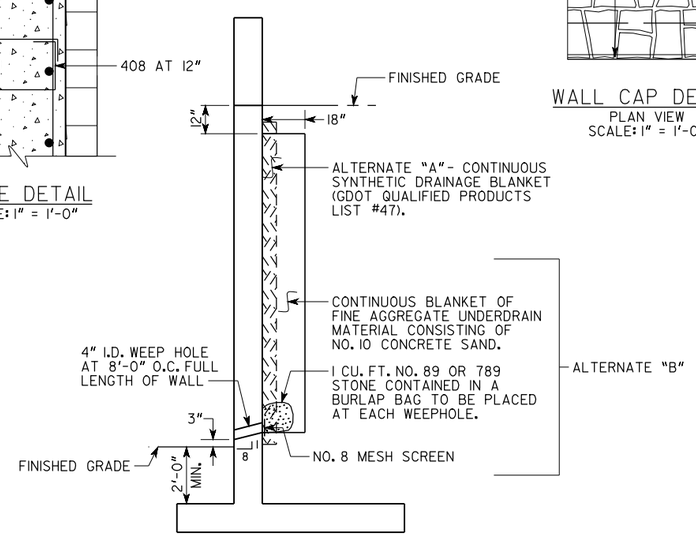
SCALE: 1" = 1'-0"




WALL BATTER DETAIL

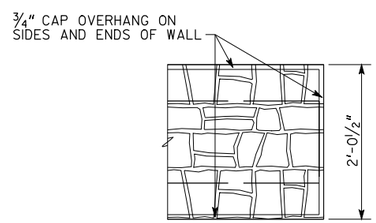
NOT TO SCALE

| STATIONS | Δ |
|---|---|
| 78+00.00 TO 78+80.00 | 7/16" |
| 78+80.00 TO 80+37.48 | 1 1/8" |
| 80+37.48 TO 80+62.14 | 11/16" |




DRAINAGE DETAILS

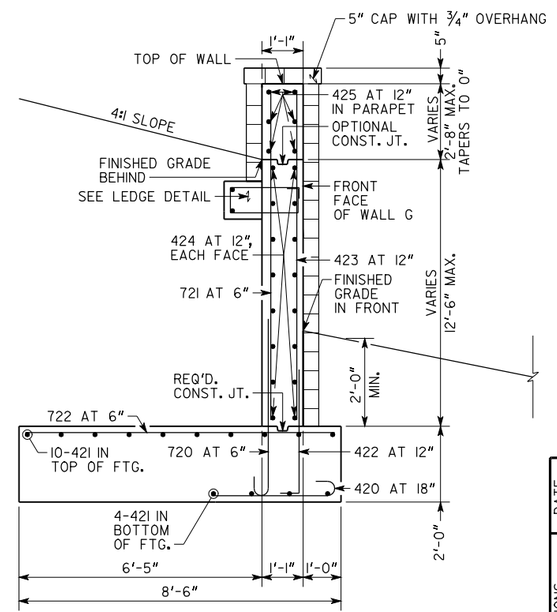
NOT TO SCALE



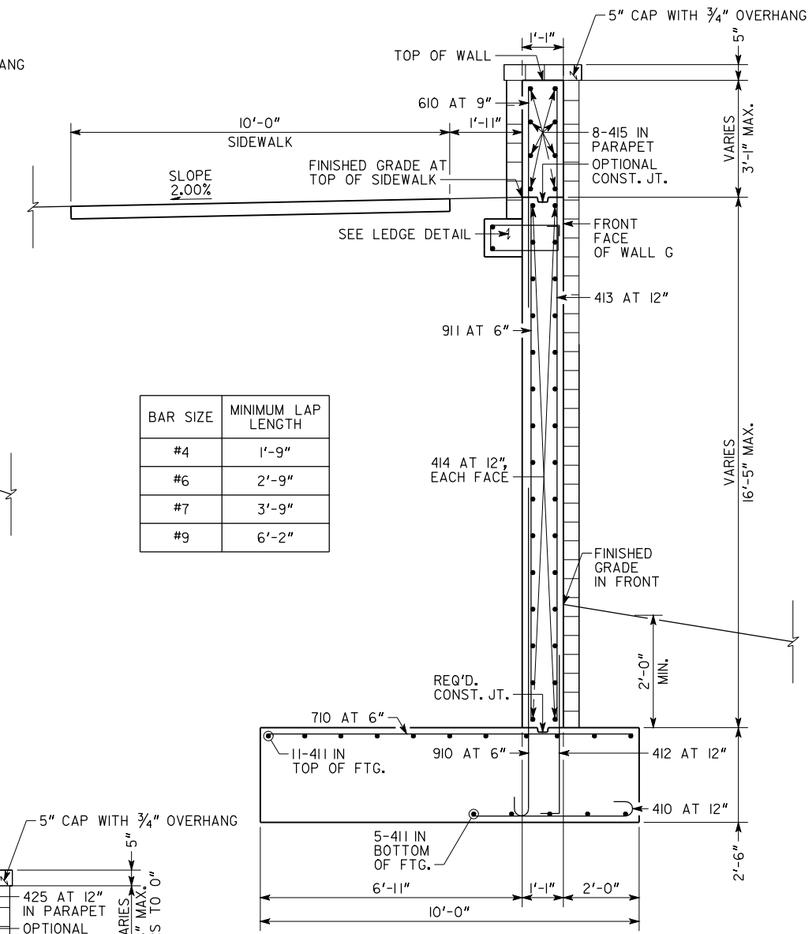

WALL CAP DETAIL

PLAN VIEW

SCALE: 1" = 1'-0"




SECTION C-C




| BAR SIZE | MINIMUM LAP LENGTH |
|---|---|
| #4 | 1'-9" |
| #6 | 2'-9" |
| #7 | 3'-9" |
| #9 | 6'-2" |

SECTION B-B

WALL G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NORCROSS, GEORGIA 30092
(770) 263-9118


SANDY SPRINGS GEORGIA

CITY OF SANDY SPRINGS

WALL DETAILS

SANDY SPRINGS CIRCLE STREETSCAPE - HAMMOND DRIVE TO MOUNT VERNON HIGHWAY
FULTON COUNTY 0010385

SCALE: 1/2" = 1'-0", UNLESS NOTED OTHERWISE FEBRUARY 2019

DRAWING NO. 32-0004

WALL SHEET 4 OF 5

REVISIONS | DATE | BY

DESIGNED JEV | CHECKED GJM | REVIEWED -
DRAWN JEV | DESIGN GROUP - | APPROVED -

| LOCATION | NO. OF LOC. | MARK | LENGTH FT. | LENGTH IN. | NO. BARS REQ'D. | TYPE | A | G | B FT. | B IN. | C FT. | C IN. | D FT. | D IN. | E FT. | E IN. | F FT. | F IN. | H FT. | H IN. | J FT. | J IN. | K FT. | K IN. | N | θ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEGMENT 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 400 | 3- | 4 | 55 | 9 | 1 | | 2- | 10 | | | | | | | | | | | | | | | | |
| | | 401A | 60- | 0 | 14 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 401B | 21- | 3 | 14 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 402 | 4- | 8 | 84 | 3 | | | 3- | 8 | 1- | 0 | | | | | | | | | | | | | | |
| | | 403 | VARY | | 84 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 404 | 19- | 8 | 76 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 405 | 19- | 8 | 32 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 408 | 5- | 7 | 84 | 25 | 4 | 4 | 1- | 9 | 0- | 8 | | | | | | | | | | | | | | |
| | | 409A | 19- | 8 | 8 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 600 | 5- | 10 | 112 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 700 | 6- | 6 | 164 | 9 | 1 | | 5- | 8 | | | | | | | | | | | | | | | | |
| | | 701 | VARY | | 164 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 702 | 8- | 0 | 161 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEGMENT 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 408 | 5- | 7 | 84 | | | | | | | | | | | | | | | | | | | | | |
| | | 409A | 19- | 8 | 8 | | | | | | | | | | | | | | | | | | | | | |
| | | 410 | 4- | 4 | 81 | 9 | 1 | | 3- | 10 | | | | | | | | | | | | | | | | |
| | | 411A | 60- | 0 | 16 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 411B | 21- | 3 | 16 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 412 | 5- | 2 | 84 | 3 | | | 4- | 2 | 1- | 0 | | | | | | | | | | | | | | |
| | | 413 | VARY | | 84 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 414A | 19- | 8 | 114 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 415A | 19- | 8 | 32 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 610 | 5- | 10 | 112 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 710 | 9- | 6 | 161 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 910 | 9- | 10 | 164 | 9 | 1 | | 8- | 7 | | | | | | | | | | | | | | | | |
| | | 911 | VARY | | 164 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEGMENT 3 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 408 | 5- | 7 | 84 | | | | | | | | | | | | | | | | | | | | | |
| | | 409A | 19- | 8 | 6 | | | | | | | | | | | | | | | | | | | | | |
| | | 409B | VARY | | 2 | 4 | | | VARIES | | VARIES | | | | | | | | | | | | | | 43 | |
| | | 410 | 4- | 4 | 96 | | | | | | | | | | | | | | | | | | | | | |
| | | 411C | 22- | 0 | 48 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 411D | VARY | | 16 | 4 | | | VARIES | | VARIES | | | | | | | | | | | | | | 43 | |
| | | 412 | 5- | 2 | 84 | | | | | | | | | | | | | | | | | | | | | |
| | | 413 | VARY | | 84 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 414A | 19- | 8 | 102 | | | | | | | | | | | | | | | | | | | | | |
| | | 414B | | | 30 | 4 | | | VARIES | | VARIES | | | | | | | | | | | | | | 43 | |
| | | 415A | 19- | 8 | 24 | | | | | | | | | | | | | | | | | | | | | |
| | | 415B | VARY | | 8 | 4 | | | VARIES | | VARIES | | | | | | | | | | | | | | 43 | |
| | | 417 | 6- | 0 | 48 | 14 | | | 1- | 9 | 0- | 0 | 0- | 0 | 2- | 6 | 1- | 9 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 610 | 5- | 10 | 112 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 710 | 9- | 6 | 191 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 910 | 9- | 10 | 164 | | | | | | | | | | | | | | | | | | | | | |
| | | 911 | VARY | | 164 | 1 | | | | | | | | | | | | | | | | | | | | |

| LOCATION | NO. OF LOC. | MARK | LENGTH FT. | LENGTH IN. | NO. BARS REQ'D. | TYPE | A | G | B FT. | B IN. | C FT. | C IN. | D FT. | D IN. | E FT. | E IN. | F FT. | F IN. | H FT. | H IN. | J FT. | J IN. | K FT. | K IN. | N | θ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEGMENT 4 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 408 | 5- | 7 | 40 | | | | | | | | | | | | | | | | | | | | | |
| | | 409A | 19- | 8 | 2 | | | | | | | | | | | | | | | | | | | | | |
| | | 409C | VARY | | 2 | 4 | | | VARIES | | VARIES | | | | | | | | | | | | | | | 23 |
| | | 420 | 3- | 4 | 29 | 9 | 1 | | 2- | 10 | | | | | | | | | | | | | | | | |
| | | 421A | 21- | 6 | 14 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 421B | VARY | | 14 | 4 | | | VARIES | | VARIES | | | | | | | | | | | | | | | 23 |
| | | 422 | 4- | 8 | 40 | 3 | | | 3- | 8 | 1- | 0 | | | | | | | | | | | | | | |
| | | 423 | VARY | | 40 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 424A | 19- | 8 | 24 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 424B | VARY | | 14 | 4 | | | VARIES | | VARIES | | | | | | | | | | | | | | | 23 |
| | | 425A | 19- | 8 | 8 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 425B | VARY | | 2 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 427 | 5- | 6 | 14 | 14 | | | 1- | 9 | 0- | 0 | 0- | 0 | 2- | 0 | 1- | 9 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 720 | 6- | 6 | 77 | 9 | 1 | | 5- | 8 | | | | | | | | | | | | | | | | |
| | | 721 | VARY | | 77 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | 722 | 8- | 0 | 87 | 1 | | | | | | | | | | | | | | | | | | | | |

P.I. NO.
0010385

WALL G

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MICHAEL BAKER INTERNATIONAL
420 TECHNOLOGY PARKWAY, SUITE 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

CITY OF
SANDY SPRINGS

BAR REINFORCING SCHEDULE
SANDY SPRINGS CIRCLE STREETSCAPE -
HAMMOND DRIVE TO MOUNT VERNON HIGHWAY
FULTON COUNTY 0010385

DATE
REVISIONS
BY

SCALE: NONE

FEBRUARY 2019

DESIGNED JEV
DRAWN JEV
CHECKED GJM
DESIGN GROUP -
REVIEWED -
APPROVED -

DRAWING NO.
32-0005

WALL SHEET
5 OF 5

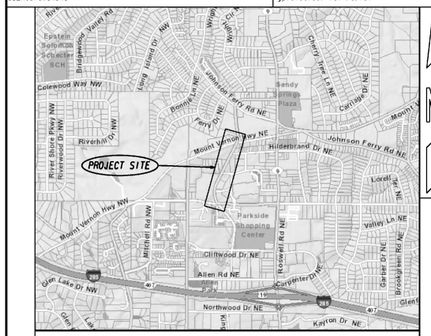
8/9/2017 USER:dlamondmc | GPLOT-V8 gplotborder-V8I-PG.tbl | J:\185780 - City of Atlanta\5.0 Project Data\5.12 Owner Furnished Data\Task Order 03\RFS#1 Sandy Springs Circle\CADD\0010385\0010385_44-0001.dgn GRMCOV

# DEPARTMENT OF TRANSPORTATION
# STATE OF GEORGIA

## UTILITY RELOCATION PLAN

## SANDY SPRINGS CIRCLE STREETSCAPE
## HAMMOND DRIVE TO MT.VERNON HWY.

CITY OF SANDY SPRINGS
FULTON COUNTY

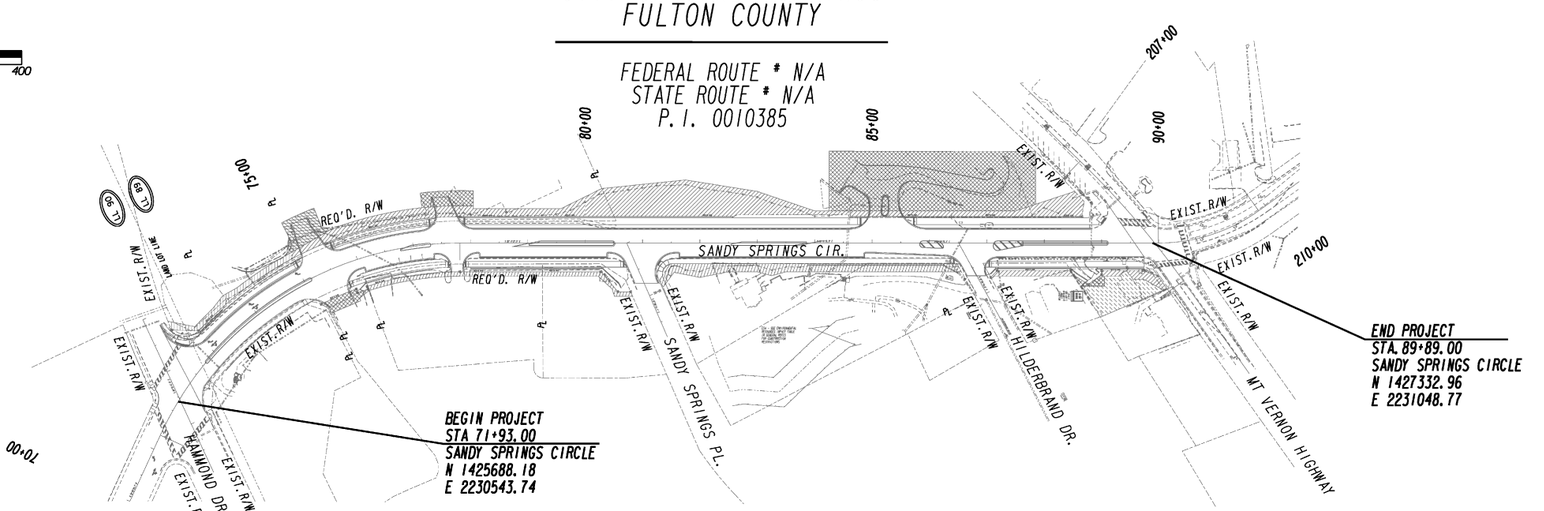



LOCATION SKETCH

N

SCALE IN FEET
0 100 200 400

FEDERAL ROUTE # N/A
STATE ROUTE # N/A
P.I. 0010385




FUNCTIONAL CLASS:
URBAN COLLECTOR

THIS PROJECT IS 100% IN FULTON COUNTY AND IS 100% IN CONG.DIST.NO.6.

DESIGNED IN ENGLISH UNITS.

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

PREPARED BY: WSP

| DRAWING INDEX | |
|---|---|
| DRAWING NO. | DESCRIPTION |
| 44-0001 | COVER |
| 44-0002 to 44-0003 | GENERAL NOTES |
| 44-0004 | LEGEND |
| 44-0005 to 44-0008 | UTILITY RELOCATION PLAN |
| 44-0009 | EROSION CONTROL PLAN |
| 44-0010 to 44-0011 | CONSTRUCTION DETAILS |

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

| LENGTH OF PROJECT | COUNTY No. 121 Project No. 0010385 |
|---|---|
| COUNTY:FULTON | MILES |
| NET LENGTH OF ROADWAY | 0.340 |
| NET LENGTH OF BRIDGES | 0.000 |
| NET LENGTH OF PROJECT | 0.340 |
| NET LENGTH OF EXCEPTIONS | 0.000 |
| GROSS LENGTH OF PROJECT | 0.340 |

wsp
3340 PEACHTREE ROAD,NE
SUITE 2400,TOWER PLACE 1100
ATLANTA,GEORGIA 30326

| PLANS COMPLETED - - | |
|---|---|
| REVISIONS | |

DRAWING No. 44-0001

CADSTN 07/31/2015

FOR INFORMATION ONLY BUT CONTRACTOR TO ADJUST AND/OR RELOCATE FIRE HYDRANTS, WATER METERS, VALVE BOXES, ETC., TO GRADE AS NECESSARY. DURING CONSTRUCTION

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 44-001

1/5/2009 GPLN

CITY OF ATLANTA WATER GENERAL NOTES:

1. ALL REFERENCES TO ENGINEER OR INSPECTOR WITHIN THESE WATER GENERAL NOTES SHALL REFER TO CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT (DWM) ENGINEERS OR INSPECTORS.

2. ALL CONSTRUCTION METHODS AND MATERIALS USED TO EXTEND, RELOCATE, OR ABANDON THE CITY OF ATLANTA WATER SYSTEM MUST BE MADE OF DUCTILE IRON, AND COMPLY WITH THE CITY OF ATLANTA STANDARDS AND SPECIFICATIONS.

3. THE CONTRACTOR PERFORMING THE WATER CONSTRUCTION SHALL REQUEST A PRE-CONSTRUCTION CONFERENCE AND SUBMIT TO THE CITY ENGINEER PRIOR TO CONSTRUCTION THE FOLLOWING ITEMS:

   GEORGIA UTILITY LICENSE CERTIFICATION
   MANUFACTURER CUT SHEETS FOR ALL MATERIALS TO BE USED
   COMPLETED CITY OF ATLANTA QUALIFIED CONTRACTOR EXPERIENCE FORM
   EXECUTED HOLD HARMLESS AGREEMENT

   THESE ITEMS SHALL BE NECESSARY PRIOR TO THE ASSIGNMENT OF A CITY OF ATLANTA INSPECTOR. THE CONTRACTOR SHALL PROVIDE A 2-WEEK ADVANCED SCHEDULE TO THE INSPECTOR INDICATING THE PROPOSED WORK AND AREAS OF CONSTRUCTION. THE DWM WATER INSPECTOR MUST BE NOTIFIED 48 HOURS PRIOR TO START OF EACH CONSTRUCTION ACTIVITY AND ANY CHANGES IN THE ADVANCE SCHEDULE.

4. CONCRETE THRUST BLOCKING SHALL BE INSTALLED AT ALL BENDS, TEES, HYDRANTS, PLUGS, ETC. PER DETAIL

5. FIRE-HYDRANTS SHOWN IN THE RADIUS OF A CURVE SHALL BE FIELD ADJUSTED SO THAT THE ACTUAL INSTALLATION OF FIRE HYDRANTS WILL BE OUTSIDE OF CURVE RADIUS.

6. ANY CHANGES TO THE APPROVED WATER DRAWINGS MUST BE APPROVED BY DWM WATER DEPARTMENT ENGINEER.

7. ALL LINES 8" OR GREATER MUST BE PRESSURE TESTED AT 250 PSI FOR A MINIMUM OF TWO (2) HOURS. CITY OF ATLANTA INSPECTOR MUST BE NOTIFIED OF INTENT TO PRESSURE TEST PRIOR TO SCHEDULED TESTING.

8. THE WATER FACILITIES ILLUSTRATED ON THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY, AND SHOW APPROXIMATE LOCATIONS OF VARIOUS WATER MAINS, SERVICE LINES, AND APPURTENANCES. CONTRACTOR SHALL FIELD VERIFY THE SIZE AND DEPTH OF WATER FACILIIIES PRIOR TO CONSTRUCTION. ANY VARIANCES OR UNFORESEEN CONFLICTS WITH ANY PROPOSED CONSTRUCTION SHALL BE COMMUNICATED TO THE CITY ENGINEER IMMEDIATELY. ANY REVISED WATER CONSTRUCTION BASED ON FIELD CONDITIONS DIFFERING FROM THE PLANS SHALL BE APPROVED BY THE CITY ENGINEER. ALL CONSTRUCTION SHALL BE IN CONFORMITY WITH THE MIN. STANDARDS AND SPECIFICATIONS OF THE CITY OF ATLANTA.

9. ALL FIRE-HYDRANTS SHALL BE A MAXIMUM DISTANCE OF 300 FEET FOR AREAS ZONED AS COMMERCIAL CENTRAL BUSINESS DISTRICT AREAS, AND 500 FEET FOR RESIDENTIAL AREAS. CONTRACTOR SHALL FIELD VERIFY FINAL DEPTH OF BURY BASED UPON PROPOSED WATER MAIN INSTALLATION.

10. ALL FIRE HYDRANTS SHALL BE INSTALLED OR RELOCATED WITH A 6-INCH DIAMETER BRANCH LINE AND SHALL HAVE A 6-INCH GATE VALVE LOCATED AT THE TEE UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE DWM ENGINEER.

11. THE SHOE OF EACH HYDRANT SHALL BE WELL BRACED AGAINST UNDISTURBED EARTH AT THE END OF THE TRENCH WITH A POURED CONCRETE BRACE BLOCK AND IT SHALL BE TIED TO THE PIPE WITH SUITABLE METAL TIE-RODS OR CLAMPS AS DIRECTED BY THE DWM.

12. TO ALLOW THE FIRE HYDRANT "WEEP HOLES" TO FUNCTION PROPERLY, THE SHOE OF THE FIRE-HYDRANT SHALL BE SURROUNDED BY GRAVEL. THE GRAVEL SHALL BE MIN. OF 8-INCH ABOVE THE WEEP HOLES AND SHALL EXTEND TO A POINT 18-INCHES BELOW THE WEEP HOLES.

13. ALL METERS, FIRE HYDRANTS, VALVES, AND PIPES WITHIN THE CITY OF ATLANTA WATER SYSTEM ARE THE SOLE PROPERTY OF CITY OF ATLANTA. ALL SUCH MATERIAL ARE NOT SALVAGEABLE BY ANY CONTRACTOR.

14. CONTINUOUS SERVICE TO ALL EXISTING METERS AND FIRE SERVICES SHALL BE MAINTAINED EXCEPT AS AUTHORIZED BY THE DWM. THE REQUIRED TEMPORARY SERVICE CONNECTIONS WILL BE MADE UNDER THE SUPERVISION OF THE DWM INSPECTORS.

15. THE CONTRACTOR SHALL NOT OPERATE OR WORK ON ANY VALVES, WATER METERS, OR HYDRANTS, OR MAKE ANY CONNECTIONS ON OR TO, EXISTING WATER MAINS OR OTHER EXISTING SERVICES UNLESS OTHERWISE AUTHORIZED BY THE DWM INSPECTORS. CONTRACTORS MAY OPERATE HYDRANTS AFTER OBTAINING THE NECESSARY HYDRANT METER PERMIT AND HYDRANT KEY FROM THE DWM METER APPLICATION OFFICE (404-330-8091).

16. WHERE PROPOSED WATER MAINS SHOWN ON PLANS ARE REQUIRED TO CLEAR EXISTING UTILITIES, WHETHER SHOWN OR NOT ON PLANS, THE VERTICAL ALIGNMENT OF THE PROPOSED WATER MAINS SHALL BE ADJUSTED TO ALLOW A MIN. CLEARANCE OF 18-INCHES. SUCH ADJUSTMENT SHALL CONFORM TO THE MINIMUM DEPTH OF COVER REQUIREMENTS.

17. IN NO INSTANCE SHALL A PROPOSED SEWER BE INSTALLED AT THE SAME OR HIGHER ELEVATION AS A PARALLEL WATER MAIN IF THEIR LATERAL SEPARATION IS LESS THAN 10 FEET. THE DISTANCE SHALL BE MEASURED EDGE-TO-EDGE.

18. WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, THE SEWER PIPE MAY BE LAID CLOSER AT THE DISCRETION OF THE DWM, PROVIDED THE SEWER IS LAID IN A SEPARATE TRENCH OR AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE WATER MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18INCHES ABOVE THE TOP OF THE SEWER, PROVIDED THE SEWER BE CONSTRUCTED OF MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND BE PRESSURED TESTED TO ASSURE WATER-TIGHTNESS PRIOR TO BACKFILLING.

19. WHEN LOCAL CONDITIONS PREVENT A VERTICAL SEPARAIION OF 18-INCHES, THE SEWER PASSING OVER OR UNDER THE WATER MAIN SHALL BE CONSTRUCTED OF MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

20. WHEN WATER MAINS CROSS UNDER SEWERS, ADDITIONAL MEASURES SHALL BE TAKEN BY PROVIDING A VERTICAL SEPARATION OF 18-INCHES BETWEEN THE BOTTOM OF THE SEWER AND TOP OF THE WATER MAIN AS WELL AS ENCASEMENT OF THE SEWER IN CONCRETE TO PROVIDE ADEQUATE STRUCTURAL SUPPORT TO PREVENT EXCESSIVE DEFECTION OF JOINTS AND SETTING ON AND BREAKING THE WATER MAIN. THE SEWER SHALL BE LAID IN SUCH A MANNER THAT THE LENGTH OF PROPOSED PIPE BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN. THE SEWER SHALL BE CONSTRUCTED OF DIP AND SUBJECTED TO HYDROSTATIC TESTS.

21. ACCEPTANCE OF THE NEW OR REARRANGED WATER MAIN IS CONDITIONAL UPON A SUCCESSFUL HYDROSTATIC TEST UNDER THE SUPERVISION OF A DWM INSPECTOR. AND THAT THE NEW OR REARRANGED WATER MAIN PASSES THE DWMS STANDARD QUALITY AND BACTERIOLOGICAL TESTS.

22. UPON COMPLETION OF THE SUCCESSFUL HYDROSTATIC TEST, AND THE LABORATORY ACCEPTANCE OF THE WATER QUALITY TEST A FINAL INSPECTION BY COA DWM PERSONNEL WILL BE MADE. THE ACCEPTANCE OF THE WATER WILL BE CONFIRMED BY A LETTER OF ACCEPTANCE WHICH WILL BE ISSUED FOLLOWING RECEIPT OF ACCEPTABLE "AS-BUILT" PLANS IN ELECTRONIC FORMAT AS WELL AS PAPER COPY.

23. WATER MAINS, VALVES, HYDRANTS AND APPURTENANCES SHALL BE INSTALLED BEFORE INSTALLATION OF THE SUB-BASE COURSE OF PAVING OR ANY OTHER UTILITIES EXCEPT SANITARY SEWER LINES WHERE FEASIBLE.

24. ALL TAPS SHALL REMAIN EXPOSED AT THE MAIN UNTIL THE SYSTEM HAS BEEN SUCCESSFULLY INSPECTED, DISINFECTED AND TESTED FOR PRESSURE.

25. ANY CONTRACTOR WHO IS PROPOSED AS AN INSTALLER OF ANY WATER FACILITIES MUST PROVIDE SUFFICIENTLY DETAILED INFORMATION OF THEIR PREVIOUS EXPERIENCE OR EXPERIENCE OF THEIR AUTHORIZE SUB-CONTRACTOR AS TO PERMIT THE DWM TO EVALUATE THEIR ACCEPTABILITY AS AN INSTALLER OF WATER MAINS OR WATER FACILITIES. THE CONTRACTOR OR HIS AUTHORIZED SUS. CONTRACTOR MUST SUBMIT THE COMPLETED FORM WATER MAIN INSTALLATION CONTRACTOR EXPERIENCE QUALIFICATION FORM AND THEIR STATE OF GEORGIA UTILITY LICENSE CERTIFICATION TO THE DWM FOR APPROVAL PRIOR TO THE START OF ANY WATER MAIN WORK.

26. THE NUMBER OF TURNS TO OPEN SHALL BE AS SHOWN BELOW PLUS OR MINUS THREE FOR 6-INCH THROUGH 12-INCH VALVES, AND PLUS OR MINUS FIVE FOR 18-INCH AND LARGER VALVES:
    6-INCH-21 TURNS 16-INCH-102 TURNS 30-INCH-350 TURNS
    6-INCH27 TURNS 20-INCH-133 TURNS 36-INCH-460 TURNS
    12-INCH-38 TURNS 24-INCH-230 TURNS 42-INCH-350 TURNS
    48-INCH-405 TURNS

27. ALL OF THE VALVE BOXES TO BE THE ATLANTA WATER DEPARTMENT PATTERN. TOP SECTION TO BE CAST WITH A SHELL CORE AND A TOLERANCE OF PLUS OR MINUS 1/32". WHEN COATING IS COMPLETE, THE LID SHALL FIT SNUGLY IN ITS RECEPTACLES IN THE TOP OF THE BOX WITHOUT FORCING AND SHALL NOT ROCK. THE TOP OF THE LID SHALL BE FLUSH WITH THE TOP OF THE BOX, AND BANDED FOR SHIPMENT.

28. THE LENGTH OF TRENCH TO BE OPENED IN ADVANCE OF THE COMPLETED WORK SHALL BE LIMITED BY THE ENGINEER WITH REGARD TO BOTH THE RAPID PROGRESS OF THE WORK AND THE CONVENIENCE, COMFORT, AND SAFETY OF THE PUBLIC AND PROPERTY OWNERS OR TENANTS IN THE VICINITY OF THE WORK.

29. THE DWM WILL PROVIDE INSPECTORS WHO WILL BE AUTHORIZED TO OBSERVE AND/OR INSPECT ALL WORK DONE AND WHO SHALL INFORM THE REQUESTING AGENCY'S ENGINEER OF ANY FAILURE OF THE WORK TO CONFORM TO THE DEPARTMENTS CURRENT REQUIREMENTS AND STANDARDS. THE INSPECTOR MAY SUSPEND OR REQUEST THE DEVELOPER AND CONTRACTOR TO SUSPEND THE WORK UNTIL ANY QUESTIONS CAN BE REFERRED TO AND A DECISION RENDERED BY THE DWM ENGINEER. FAILURE OF A PROJECT TO MEET THE DEPARTMENT'S STANDARDS WILL RESUIT IN ACCEPTANCE BEING WITHHELD UNTIL SUCH TIME AS THE STANDARDS ARE MET.

30. THE INSPECTION OF THE WORK SHALL NOT RELIEVE THE DEVELOPER OR CONTRACTOR OF ANY OF THEIR RESPONSIBILITIES AND OBLIGATIONS TO FULFILL THE CONTRACT IN A SATISFACTORY MANNER. THE FAILURE OF THE INSPECTOR TO DISCOVER IMPROPER WORKMANSHIP SHALL NOT BE CONSIDERED AS A WAIVER OF ANY DEFECTS WHICH MAY BE DISCOVERED LATER AND THE REQUESTING AGENCY SHALL MAKE NECESSARY REPAIRS AT ITS OWN EXPENSE UPON BEING NOTIFIED OF SUCH DEFECTS BY THE INSPECTOR. THE REQUESTING AGENCY OR CONTRACTOR SHALL FURNISH THE INSPECTOR WITH EVERY REASONABLE FACILITY TO DETERMINE WHETHER OR NOT THE WORK PERFORMED IS IN ACCORDANCE WITH THE REQUIREMENTS AND THE INTENT OF THE JOB PLANS AND SPECIFICATIONS

31. SHOULD ANY DISAGREEMENT OR DIFFERENCE ARISE AS TO THE CLASSIFICATIONS, OR AS TO THE MEANING OF THE PLANS OR SPECIFICATIONS ON ANY POINT CONCERNING THE CHARACTER, ACCEPTABILITY AND NATURE OF THE SEVERAL KINDS OF WORK AND CONSTRUCTION THEREOF, THE DECISION OF THE DWM ENGINEER SHALL BE FINAL AND CONCLUSIVE AND BINDING UPON ALL PARTIES TO THE WORK.

32. THE MINIMUM DEPTH OF COVER SHALL BE FOUR (4) FEET AND THE MAXIMUM COVER SHALL BE FIVE (5) FEET. ANY DEVIATIONS MUST BE SPECIFICALLY APPROVED BY THE DWM ENGINEER.

33. WATER USED FOR ALL PURPOSES WILL BE SUPPLIED THROUGH A METERED CONNECTION WHICH THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL OBTAIN THROUGH THE DWMS APPLICATIONS OFFICE. WATER USED FOR TESTING MAINS AND WASHING STREETS WILL BE MADE AVAILABLE TO THE REQUESTING APPLICANT (DEVELOPER OR CONTRACTOR) AT HIS EXPENSE AND AT THE NEAREST EXISTING FACILITIES OF THE DEPARTMENT. THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL FURNISH ALL NECESSARY PIPE OR HOSE EXTENSIONS AND TRANSPORTATION TO THE POINT OF USE. THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL EXERCISE CARE IN THE USE OF THE WATER.

34. SAFE STORAGE: THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL BE RESPONSIBLE FOR THE SAFE STORAGE OF MATERIAL UNTIL IT HAS BEEN INCORPORATED IN THE COMPLETED PROJECT. THE INTERIOR OF ALL PIPE, FITTINGS, AND OTHER APPURTENANCES SHALL BE KEPT FREE FROM DIRT AND FOREIGN MATTER AT ALL TIMES. PIPE, VALVES, AND FIRE-HYDRANTS SHALL BE DRAINED AND STORED IN A MANNER THAT WILL PROTECT THEM FROM DAMAGE. ALL STORED PIPE SHALL BE SECURED IN SUCH A MANNER AS TO PREVENT MOVEMENT, INTERFERENCE AND/OR DANGER TO VEHICULAR AND PEDESTRIAN SAFETY AND INGRESS AND EGRESS.

35. PROPER IMPLEMENTS, TOOLS, AND FACILITIES SATISFACTORY TO THE INSPECTOR SHALL BE PROVIDED AND USED BY APPLICANT (DEVELOPER OR CONTRACTOR) FOR THE SAFE AND CONVENIENT EXECUTION OF THE WORK. ALL PIPE, FITTINGS, VALVES, AND FIRE HYDRANTS SHALL BE CAREFULLY LOWERED INTO THE TRENCH, PIECE BY PIECE, BY MEANS OF A DERRICK, ROPE, OR OTHER SUITABLE TOOLS OR EQUIPMENT, IN SUCH A MANNER AS TO PREVENT DAMAGE TO WATER MAIN MATERIALS AND PROTECTIVE COATINGS AND LININGS. UNDER NO CIRCUMSTANCES SHALL WATER MAIN MATERIAL BE DROPPED OR DUMPED INTO THE TRENCH.

GEORGIA811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

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REVISION DATES

**GENERAL NOTES**
SANDY SPRINGS CIRCLE STREETSCAPE
UTILITY RELOCATION PLANS

| CHECKED: | | DATE: | | DRAWING No. |
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| BACKCHECKED: | | DATE: | | 44-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

7/3/2015 GPLN

FOR INFORMATION ONLY BUT CONTRACTOR TO ADJUST AND/OR RELOCATE FIRE HYDRANTS, WATER METERS, VALVE BOXES, ETC., TO GRADE AS NECESSARY. DURING CONSTRUCTION

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 44-002

1/5/2009 GPLN

36. ALL PIPE, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES WHICH ARE LOADED OR UNLOADED BY HOIST OR SKIDS SHALL BE HANDLED IN SUCH A MANNER AS TO AVOID SHOCK OR DAMAGE. PIPE HANDLED ON A SKIDWAY SHALL NOT BE SKIDDED OR ROLLED AGAINST PIPE ALREADY ON THE GROUND.

37. PIPE SHALL BE SO HANDLED THAT THE COATING AND LINING WILL NOT BE DAMAGED. IF, HOWEVER, ANY PART OF THE COAIING OR LINING IS DAMAGED, THE REPAIR SHALL BE MADE BY THE APPLICANT (DEVELOPER OR CONTRACTOR) AT THEIR EXPENSE IN A MANNER SATISFACTORY TO THE ENGINEER.

38. ANY MATERIAL THAT BECOMES DAMAGED BEFORE ACCEPTANCE OR FAILS WITHIN THE WARRANT PERIOD SHALL BE REPLACED BY THE DEVELOPER OR ITS CONTRACTOR AT THEIR EXPENSE. DAMAGES TO STREETS, SIDEWALKS ETC. DUE TO FAILURE OF THE NEW WATER MAIN DURING THE WARRANTY PERIOD SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR.

39. EVERY PRECAUTION SHALL BE TAKEN TO PREVENT FOREIGN MATERIAL FROM ENTERING THE PIPE WHILE IT IS BEING PLACED IN THE TRENCH. IF THE PIPE LAYING CREW CANNOT PUT THE PIPE INTO TRENCH AND IN PLACE WITHOUT GETTING EARTH IN IT, THEN THE INSPECTOR WAY REQUIRE THAT BEFORE LOWERING THE PIPE INTO THE TRENCH, A HEAVY, TIGHTLY WOVEN CANVAS BAG OF SUITABLE SIZE BE PLACED OVER EACH END AND LEFT THERE UNTIL THE CONNECTION IS TO BE MADE TO THE ADJACENT PIPE. DURING LAYING OPERATIONS, NO DEBRIS, TOOLS, CLOTHING OR OTHER MATERIAL SHALL BE PLACED IN THE PIPE.

40. AFTER PLACING A LENGTH OF PIPE IN THE TRENCH, THE SPIGOT END SHALL BE CENTERED IN THE BELL AND THE PIPE FORCED HOME AND BROUGHT TO THE CORRECT LINE AND GRADE. THE PIPE SHALL BE SECURED IN PLACE WITH APPROVED BACKFILL MATERIAL AND TAMPED AROUND IT EXCEPT AT THE BELLS.

41. PIPE AND FITTINGS WHICH DO NOT ALLOW A SUFFICIENT AND UNIFORM SPACE FOR JOINTS SHALL BE REMOVED AND REPLACED WITH PIPE AND FITTINGS OF PROPER DIMENSIONS TO INSURE SUCH UNIFORM SPACE. PRECAUTIONS SHALL BE TAKEN PREVENT EARTH FROM ENTERING THE JOINT SPACE.

42. AT TIMES WHEN PIPE LAYING IS NOT IN PROGRESS, THE OPEN ENDS OF THE PIPE SHALL BE CLOSED BY A WATERTIGHT PLUG OR OTHER MEANS APPROVED BY THE INSPECTOR. THE CONTRACTOR SHALL HAVE PLUGS AVAILABLE AT ALL TIMES. THIS PROVISION SHALL APPLY DURING THE NOON HOUR AS WELL AS OVERNIGHT. IF WATER IS IN THE TRENCH, THE SEAL SHALL REMAIN IN PLACE UNTIL THE TRENCH HAS BEEN PUMPED COMPLETELY DRY.

43. IT IS THE NORMAL PROCEDURE TO LAY THE PIPE WITH THE BELLS FACING IN THE DIRECTION IN WHICH THE WORK IS PROGRESSING, UNLESS THE MAIN IS BEING LAID DOWN A HILL IN WHICH CASE, THE JOINTS ARE TO BE REVERSED SO THAT THE BELLS POINT UP THE HILL. CARE MUST BE TAKEN THAT THE NEWLY INSTALLED PIPE LENGTHS DO NOT 'SLIDE'' AND CAUSE A SEPARATION IN THE PREVIOUSLY MADE-UP JOINTS.

44. ALL LUMPS, BLISTERS AND EXCESS COAL TAR COATING SHALL BE REMOVED FROM THE BELL AND SPIGOT, AND THE INSIDE OF THE BELLS SHALL BE WIRE BRUSHED AND WIPED CLEAN AND DRY AND FREE FROM OIL AND GREASE OR OTHER FOREIGN MATERIAL BEFORE THE PIPE IS LAID. THE INTERIOR OF EACH LENGTH OF PIPE SHALL BE BRUSHED CLEAN AS REQUIRED BY THE USE OF A CIRCULAR FIBER BRUSH HAVING A DIAMETER EQUAL TO THE INSIDE DIAMETER OF THE PIPE. THE BRUSH SHALL AT ALL TIMES BE SUSPENDED OFF THE GROUND WHEN NOT IN USE.

45. THE CUTTING OF PIPE FOR INSERTING VALVES, FITTINGS, OR CLOSURE PIECES SHALL BE DONE IN A NEAT AND WORKMAN LIKE MANNER WITHOUT DAMAGE TO END PIPE OR LINING AND SO AS TO LEAVE A SMOOTH END AT RIGHT ANGLES TO THE AXIS OF THE PIPE. THE EDGE OF THE CUT SPIGOT SHALL BE BEVELED A MINIMUM OF 1/4-INCH WHEN 'SLIP' JOINT CONNECTIONS ARE INVOLVED.

46. A WHEEL TYPE CUTTER OR POWER DRIVEN SAW OR OTHER APPROVED EQUIPMENT SHALL BE USED FOR CUTTING 6-INCH, 8-INCH, AND 12-INCH INVOLVED.

47. ALL 16-INCH AND LARGER DIAMETER PIPE SHALL BE CUT WITH A POWER DRIVEN CUTTER OR OTHER APPROVED EQUIPMENT.

48. THE FLAME CUTTING OF PIPE BY ANY MEANS WILL NOT BE ALLOWED.

49. JOINTS FOR MECHANICAL JOINT PIPE SHALL BE MADE BY EXPERIENCED MECHANICS. SOCKETS AND SPIGOTS SHALL BE WASHED WITH CLEAN SOAPY WATER BEFORE SLIPPING THE GLAND AND GASKET OVER SPIGOT. THE SPIGOT SHALL BE INSERTED IN THE SOCKET TO FULL DEPTH. THE GASKET SHALL BE BRUSHED WITH CLEAN SOAPY WATER AND SHALL BE PUSHED INTO POSITION MAKING SURE THAT THE GASKET IS EVENLY SEATED IN THE SOCKET.

50. THE GLAND SHALL BE PUSHED INTO POSITION FOR COMPRESSING THE GASKET. ALL BOLTS AND NUTS SHALL BE TIGHTENED TO A UNIFORM PERMANENT TIGHTNESS USING A TORQUE WRENCH SET TO THE MANUFACTURER'S SPECIFICATIONS. BOLTS SHALL BE TIGHTENED ALTERNATELY; FIRST BOLT TIGHTENED SHALL BE THE BOTTOM BOLT, SECOND SHALL BE THE TOP BOLT, AND SO ON UNTIL ALL BOLTS ARE PULLED UP. THE GLANDS AND BOLTS SHALL BE KEPT CLEAN AND SOCKETS, SPIGOTS, AND GASKETS SHALL BE KEPT CLEAN AND WET WITH CLEAN SOAPY WATER UNTIL EACH JOINT HAS BEEN COMPLETED.

51. JOINTING OF FLEXIBLE ('PUSH-ON') JOINT PIPE SHALL BE MADE BY EXPERIENCED MECHANICS. SOCKETS, SPIGOTS, AND GASKETS SHALL BE THOROUGHLY CLEANED BY WASHING WITH SOAP AND WATER AND WIPED CLEAN AND DRY BEFORE THE GASKET IS INSERTED INTO THE SOCKET RECESS. THE GASKET SHALL BE CAREFULLY PLACED INTO THE SOCKET RECESS BY HAND, AND EVENLY SEATED. A THIN FILM OF SPECIAL LUBRICANT (FURNISHED BY THE PIPE MANUFACTURER) SHALL BE APPLIED TO THE INSIDE OF THE GASKET AND SPIGOT END OF THE PIPE TO PERMIT EASY ENTRY OF THE PIPE INTO THE SOCKET. THE SPIGOT END OF THE PIPE SHALL BE PUSHED 'HOME' BY THE USE OF A RATCHET TYPE ASSEMBLY TOOL. THE SPIGOT ENDS OF CUT PIPE SHALL BE DRESSED AND TAPERED WITH A COARSE FILE OR APPROVED BEVELING DEVICE IN A MANNER THAT WILL PROTECT THE GASKET FROM DAMAGE, PERMIT THE PROPER CENTERING OF PIPE IN GASKET, PROVIDE UNIFORM COMPRESSION OF GASKET, AND EASY ENTRY OF SPIGOT INTO SOCKET. CLOSURE OF FLEXIBLE JOINT PIPE SHALL BE MADE ONLY THROUGH THE USE OF MECHANICAL JOINT SLEEVES. CARE MUST BE TAKEN. IN THE USE AND STORAGE OF THE JOINT LUBRICANT. THE LUBRICANT MUST BE KEPT FREE FROM DIRT AND OTHER FOREIGN SUBSTANCES, SHOULD DIRT OR OTHER FOREIGN SUBSTANCES CONTAMINATE THE LUBRICANT, THEN THE CONTAMINATED LUBRICANT SHALL BE THROWN AWAY AND A NEW CAN OF JOINT LUBRICANT PROVIDED.

52. A CAST IRON VALVE BOX OR MASONRY VAULT SHALL BE PROVIDED FOR EVERY VALVE. A VALVE BOX SHALL BE PROVIDED FOR EVERY VALVE WHICH HAS NO GEARING OR OPERATING MECHANISM. THE VALVE BOX SHALL NOT TRANSMIT SHOCK OR STRESS TO THE VALVE AND SHALL BE CENTERED AND PLUMB OVER THE OPERATING NUT OF THE VALVE WITH THE BOX COVER FLUSH WITH THE SURFACE OF THE FINISHED PAVEMENT OR SUCH OTHER LEVEL AS MAY BE DIRECTED BY THE INSPECTOR. VALVE BOX LIDS SHALL BE SET AT FINISHED GRADE PRIOR TO POURING CONCRETE.

53. ALL STRAPS AND RODS SHALL BE COATED PRIOR TO INSTALLATION WITH AN APPROVED PROTECTIVE COATING. THE NUTS AND THREADS SHALL BE COATED BY THE AGENCY OR CONTRACTOR AFTER INSTALLATION WITH A COMPATIBLE PROTECTIVE MATERIAL.

55. FOR DUCTILE IRON PIPE, PIPE BEDDING CONSISTING OF SAND, GRAVEL SHALL BE PLACED IN BOTTOM OF TRENCH AND UP TO 1/8 PIPE DIA. BACKFILL MATERIAL IN THE BOTTOM OF THE TRENCH AND UP TO ONE FOOT OVER THE TOP OF THE PIPE SHALL BE EARTH FILLED ONLY. FROM ONE FOOT ABOVE THE TOP OF THE PIPE TO THE SUBGRADE OF THE PAVEMENT, EXCAVATED MATERIAL CONTAINING AN OCCASIONAL STONE OR BROKEN PIECE OF PAVEMENT NO LARGER THAN 6-INCHES IN THE GREATEST DIMENSION, MAY BE USED PROVIDED THE EXCAVATION, AND EXCAVATED MATERIAL HAS BEEN APPROVED BY THE INSPECTOR FOR BACKFILL.

56. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY A MODIFIED PROCTOR TEST (A.S.T.M. 0698).

57. IF ANY SETTLEMENT OF THE EARTH IS OBSERVED AT ANY TIME WITHIN ONE YEAR AFTER THE ACCEPTANCE OF THE PROJECT, THEN THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL MAKE THE NECESSARY REPAIRS AT THEIR OWN EXPENSE. THE BACKFILL MATERIAL MAY BE SLIGHTLY MOISTENED, IF REQUIRED, TO SECURE THE REQUIRED COMPACTION. THE METHOD USED FOR BACKFILLING SHALL BE SUBJECT TO THE APPROVAL OF THE INSPECTOR.

58. THE CONTRACTOR SHALL NOTIFY THE DWM INSPECTOR AND RECEIVE APPROVAL FROM THE DWM INSPECTOR AT LEAST 72 HOURS IN ADVANCE OF ANY SERVICE DISRUPTIONS. CONTRACTOR SHALL COORDINATE WITH THE DWM INSPECTOR TO ENSURE A 48 HOUR NOTICE IS ISSUED; NOTICE TO CITIZENS VIA DOOR HANGERS AND/OR AUTOMATED PHONE MESSAGES PRIOR TO DISRUPTION.

59. THE CONTRACTOR SHALL NOTIFY THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT AT (404) 658-6500 FOR ANY EMERGENCY NOTIFICATIONS OR REPORTING. FOR PROJECT SPECIFIC INFORMATION, PLEASE CONTACT THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT AT (404) 546-3240.

60. THE CITY OF ATLANTA CONSTRUCTION INSPECTION AND CONSTRUCTION MANAGEMENT CONTACT INFORMATION SHALL BE SUPPLIED AT THE TIME OF THE PROJECT PRE-CONSTRUCTION MEETING.

61. CARE SHALL BE TAKEN TO PROTECT THE EXISTING WATER UTILITY INFRASTRUCTURE DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO SUBMIT, FOR APPROVAL, A DETAILED PLAN OUTLYING THE PROPOSED METHOD OF PROTECTING AND SUPPORTING THE EXISTING WATER MAIN AND WATER UTILITY INFRASTRUCTURE DURING CONSTRUCTION. THIS PLAN SHALL BE SUBMITTED TO THE CITY OF ATLANTA -DEPARTMENT OF WATERSHED MANAGEMENT. THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT WILL HAVE (30) THIRTY DAYS TO REVIEW AND RESPOND TO ALL SUBMITTAL'S.

62. THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT PLANS FOR ALL WATER UTILITY INFRASTRUCTURE RELOCATION ADJUSTMENT WORK. AS-BUILT PLANS ARE TO BE PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.

63. CONTRACTOR SHALL INCLUDE CONSTRUCTION OF A NEW VAULT AS NEEDED AT NO ADDITIONAL COST TO OWNER FOR PAY ITEM 670-9737 RELOCATE EXISTING METER, INCLUDING BYPASS AND VAULT.

64. CONTRACTOR SHALL NOTIFY CITY OF ANY LEAKING OR DAMAGED FIRE HYDRANTS IN WRITING PRIOR TO START OF CONSTRUCTION. IF THE CONTRACTOR FAIL TO NOTIFY THE CITY IN WRITING PRIOR TO CONSTRUCTION ALL COST ASSOCIATED WITH THE REPAIR OR REPLACEMENT OF DAMAGED OR LEAKING HYDRANTS SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

65. ALL ABANDONED PIPE SHALL BE INSPECTED BY CONTRACTOR AND CONFIRMED AS ASBESTOS FREE. ANY ABANDONED PIPE CONTAINING ASBESTOS SHALL BE REMOVED FROM SITE AT NO ADDITIONAL COST.

66. PAYMENT FOR NEW FIRE HYDRANTS SHALL INCLUDE THE 6" GATE VALVE AND CONNECTION TO THE MAIN

67. PRIOR TO THE CITY OF ATLANTA FINAL INSPECTION AND ACCEPTANCE OF WORK, CONTRACTOR SHALL SUBMIT IN ELECTRONIC AND PAPER FORMAT A FINAL AS-BUILT PLAN WITH A GA PROFESSIONAL ENGINEER SEAL ATTACHED THAT MEETS THE FOLLOWING CONDITIONS:

a) The proposed and final water line plat required under these provisions shall consist of a revised and corrected plan and profile in reproducible form containing the information previously outlined with the further provision that said final plat shall reflect "as built"' locations of facilities determined by review or resurvey after construction. As built drawings must be georeferenced to the U.S. State Plane Coordinate System, NAD83 GA West Zone, US Survey Feet. All drawings must contain two reference pins (i.e. property corners) which are labeled and tied to the Fulton County (FC) GPS monument network. All infrastructure assets (i.e. fire hydrants, manholes, valves, pipe bends, etc.) are to be shown by applicable symbols on the drawings and also presented in tabular format to include description and accurate coordinate location. The size of the plans will be standard 24' x 36".
ALL DRAWING SHEETS IN A SET FOR A PROPOSED PROJECT SHALL BE OF THE SAME

b) Certificate: The final water plat will also contain a certificate signed by the Contractors Engineer responsible for the Construction Administration containing the following statements:

I certify that the date reflected on this drawing has been verified in the field and to the best of my knowledge accurate and correct and in general compliance with existing Rules and Regulations Governing Installation of Water Line in the Atlanta Water Distribution System.

SIGNED (GA PROFESSIONAL ENGINEER SEAL) DATE

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| REVISION DATES | | |
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**GENERAL NOTES**
SANDY SPRINGS CIRCLE STREETSCAPE
UTILITY RELOCATION PLANS

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| CHECKED: | | DATE: | DRAWING No. |
| BACKCHECKED: | | DATE: | 44-0003 |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

7/31/2015 GPLN

FOR INFORMATION ONLY BUT CONTRACTOR TO ADJUST AND/OR RELOCATE FIRE HYDRANTS, WATER METERS, VALVE BOXES, ETC., TO GRADE AS NECESSARY. DURING CONSTRUCTION

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 44-003

1/5/2009 GPLN

8/9/2017 4:44:53 PM GPLOT-V8 J:\185780 - City of Atlanta\5.0 Project Data\5.12 Owner Furnished Data\Task Order 03\RFS#1 Sandy Springs Circle\CADD\0010385\0010385_44-0004.dgn
USER:dlamondme gplotborder-V8I-PO.tbl

GDOT P.I. No. 0010385

## UTILITY LINECODES

| | EXISTING | TO BE REMOVED | PROPOSED | TYPE OF UTILITY |
|---|---|---|---|---|
| OVERHEAD | E | E | E | ELECTRIC |
| | E-T | E-T | E-T | ELECTRIC/TELECOMMUNICATIONS |
| | E-TV | E-TV | E-TV | ELECTRIC/CABLE TV |
| | E-TC | E-TC | E-TC | ELECTRIC/TRAFFIC CONTROL |
| | E-T-TV | E-T-TV | E-T-TV | ELECTRIC/TELECOMMUNICATIONS/CABLE TV |
| | E-T-TV-TC | E-T-TV-TC | E-T-TV-TC | ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL |
| | E-TV-TC | E-TV-TC | E-TV-TC | ELECTRIC/CABLE TV/TRAFFIC CONTROL |
| | E-T-TC | E-T-TC | E-T-TC | ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL |
| | GW | GW | GW | GUY WIRE |
| | T | T | T | TELECOMMUNICATIONS |
| | T-TC | T-TC | T-TC | TELECOMMUNICATIONS/TRAFFIC CONTROL |
| | T-TV-TC | T-TV-TC | T-TV-TC | TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL |
| | T-TV | T-TV | T-TV | TELECOMMUNICATIONS/CABLE TV |
| | TV | TV | TV | CABLE TV |
| | TV-TC | TV-TC | TV-TC | CABLE TV/TRAFFIC CONTROL |
| | TC | TC | TC | TRAFFIC CONTROL |
| UNDERGROUND | E | E | E | ELECTRIC (QL-D) |
| | E(C) | E(C) | | ELECTRIC (QL-C) |
| | E(B) | E(B) | | ELECTRIC (QL-B) |
| | T | T | T | TELECOMMUNICATIONS (QL-D) |
| | T(C) | T(C) | | TELECOMMUNICATIONS (QL-C) |
| | T(B) | T(B) | | TELECOMMUNICATIONS (QL-B) |
| | TV | TV | TV | CABLE TV (QL-D) |
| | TV(C) | TV(C) | | CABLE TV (QL-C) |
| | TV(B) | TV(B) | | CABLE TV (QL-B) |
| | W | W | W | WATER (QL-D) |
| | W(C) | W(C) | | WATER (QL-C) |
| | W(B) | W(B) | | WATER (QL-B) |
| | **W | **W | **W | WATER FOR LABELED PIPE SIZES (QL-D) |
| | **W(C) | **W(C) | | WATER FOR LABELED PIPE SIZES (QL-C) |
| | **W(B) | **W(B) | | WATER FOR LABELED PIPE SIZES (QL-B) |
| | NW | NW | NW | NON-POTABLE WATER (QL-D) |
| | NW(C) | NW(C) | | NON-POTABLE WATER (QL-C) |
| | NW(B) | NW(B) | | NON-POTABLE WATER (QL-B) |
| | **NW | **NW | **NW | NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D) |
| | **NW(C) | **NW(C) | | NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C) |
| | **NW(B) | **NW(B) | | NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B) |
| | STM | STM | STM | STEAM (QL-D) |
| | STM(C) | STM(C) | | STEAM (QL-C) |
| | STM(B) | STM(B) | | STEAM (QL-B) |
| | **STM | **STM | **STM | STEAM FOR LABELED PIPE SIZES (QL-D) |
| | **STM(C) | **STM(C) | | STEAM FOR LABELED PIPE SIZES (QL-C) |
| | **STM(B) | **STM(B) | | STEAM FOR LABELED PIPE SIZES (QL-B) |
| | SS | SS | SS | SANITARY SEWER WITH FLOW DIRECTION (QL-D) |
| | SS(C) | SS(C) | | SANITARY SEWER WITH FLOW DIRECTION (QL-C) |
| | SS(B) | SS(B) | | SANITARY SEWER WITH FLOW DIRECTION (QL-B) |
| | **SS | **SS | **SS | SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D) |
| | **SS(C) | **SS(C) | | SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C) |
| | **SS(B) | **SS(B) | | SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B) |
| | SFM | SFM | SFM | SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D) |
| | SFM(C) | SFM(C) | | SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C) |
| | SFM(B) | SFM(B) | | SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B) |
| | G | G | G | GAS (QL-D) |
| | G(C) | G(C) | | GAS (QL-C) |
| | G(B) | G(B) | | GAS (QL-B) |
| | **G | **G | **G | GAS FOR LABELED PIPE SIZES (QL-D) |
| | **G(C) | **G(C) | | GAS FOR LABELED PIPE SIZES (QL-C) |
| | **G(B) | **G(B) | | GAS FOR LABELED PIPE SIZES (QL-B) |
| | P | P | P | PETROLEUM (QL-D) |
| | P(C) | P(C) | | PETROLEUM (QL-C) |
| | P(B) | P(B) | | PETROLEUM (QL-B) |
| | **P | **P | **P | PETROLEUM FOR LABELED PIPE SIZES (QL-D) |
| | **P(C) | **P(C) | | PETROLEUM FOR LABELED PIPE SIZES (QL-C) |
| | **P(B) | **P(B) | | PETROLEUM FOR LABELED PIPE SIZES (QL-B) |
| | TC | FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS | | TRAFFIC CONTROL (QL-D) |
| | TC(C) | | | TRAFFIC CONTROL (QL-C) |
| | TC(B) | | | TRAFFIC CONTROL (QL-B) |
| | UNK(B) | UNK(B) | | UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (QL-B) |

## UTILITY SYMBOLS

| EXISTING | PROPOSED | TEMPORARY | |
|---|---|---|---|
| | | | UTILITY POLE/GUY POLE |
| | | | LIGHT POLE |
| | | | GUY ANCHOR |
| | | | MARKER |
| X | X | X | SPLICE BOX |
| | | | CABINET |
| | | | VENT |
| E | E | E | ELECTRIC MANHOLE |
| H | H | H | HAND HOLE |
| E | E | E | TRANSFORMER |
| E | E | E | ELECTRIC METER |
| E | E | E | ELECTRIC BOX |
| T | T | T | TELECOMMUNICATIONS MANHOLE |
| T | T | T | TELECOMMUNICATIONS PEDESTAL |
| SLC | SLC | SLC | SUBSCRIBER LOOP CARRIER (aka "SLICK") |
| | | | PHONE BOOTH |
| | | | CABLE TV PEDESTAL |
| TV | TV | TV | CABLE TV MANHOLE |
| W | W | W | WATER VALVE |
| W | W | W | WATER METER |
| W | W | W | WATER MANHOLE |
| | | | FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE) |
| BFP | BFP | BFP | BACKFLOW PREVENTER |
| PIV | PIV | PIV | PRESSURE INDICATOR VALVE |
| ARV | ARV | ARV | AIR RELEASE VALVE |
| W | W | W | WELL |
| W | W | W | WATER VAULT |
| W | W | W | WATER VALVE MARKER |
| | | | STAND PIPE |

| EXISTING | PROPOSED | TEMPORARY | |
|---|---|---|---|
| CO | CO | CO | CLEANOUT |
| SS | SS | SS | SANITARY SEWER MANHOLE |
| ARV | ARV | ARV | AIR RELEASE VALVE |
| GT | GT | GT | GREASE TRAP |
| S | S | S | SANITARY SEWER FORCE MAIN VALVE |
| G | G | G | GAS VALVE |
| G | G | G | GAS METER |
| G | G | G | GAS MANHOLE |
| GPR | GPR | GPR | GAS PRESSURE REGULATOR |
| G | G | G | GAS VAULT |
| GTS | GTS | GTS | GAS TEST STATION |
| P | P | P | PETROLEUM VALVE |
| TC | FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS | | TRAFFIC CONTROL MANHOLE/ ELECTRIC COMMUNICATIONS BOX |
| | | | TRAFFIC CONTROL PEDESTRIAN SIGNAL/BUTTON POST |

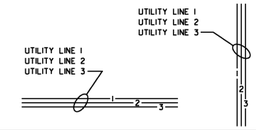
### MISCELLANEOUS

| | |
|---|---|
| LOS | LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION |
| TH | TEST HOLE (QL-A ONLY) |
| EOI | END OF INFORMATION |
| | QUALITY LEVEL (QL) DELINEATION |
| 123 | POLE ID |
| A/M | SANITARY SEWER MANHOLE (SSMH) ID |
| CT23 | CONFLICT LOCATION (UTILITY IMPACT ANALYSIS (UIA) ONLY) |
| | END OF UTILITY |

### ABBREVIATIONS

MANHOLE = LENGTH x WIDTH x DEPTH
PR TELEPHONE PAIR SIZE
SVC SERVICE, UNKNOWN SIZE/TYPE
MTD MULTIPLE TILE DUCT
MCD MULTIPLE CONCRETE DUCT
DIP DUCTILE IRON PIPE
TRD TRANSITE (ASBESTOS) DUCT
FOC FIBER OPTIC CABLE
CIP CAST IRON PIPE
SC SCREEN CABLE
PE POLYETHYLENE
PVC POLY VINYL CHLORIDE
STR FIBER STRAND SIZE
TCP TERRA COTTA PIPE
ACP ASBESTOS CONCRETE PIPE
VCP VITRIFIED CLAY PIPE
STD SINGLE TILE DUCT
SCPD SINGLE CREOSOTE PINE DUCT
SD SPLIT DUCT
3PH 3 PHASE ELECTRIC

### MULTI-UTILITY IDENTIFICATION




### QUALITY LEVELS AND DEFINITIONS

QL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

### TELEPHONE PAIR SIZE TABLE

| TELEPHONE PAIR SIZE | TELEPHONE CABLE DIAMETER |
|---|---|
| 5 - 100 | 0.50 TO 2.00 IN |
| 101 - 2400 | UP TO 3.50 IN |

GEORGIA811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

wsp

REVISION DATES

**UTILITY RELOCATION PLANS**

SANDY SPRINGS CIRCLE STREETSCAPE

CHECKED: DATE: DRAWING No.
BACKCHECKED: DATE:
CORRECTED: DATE: 44-0004
VERIFIED: DATE:

7/31/2015 GPLN

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Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS

SANDY SPRINGS CIRCLE STREETSCAPE

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1/5/2009 GPLN

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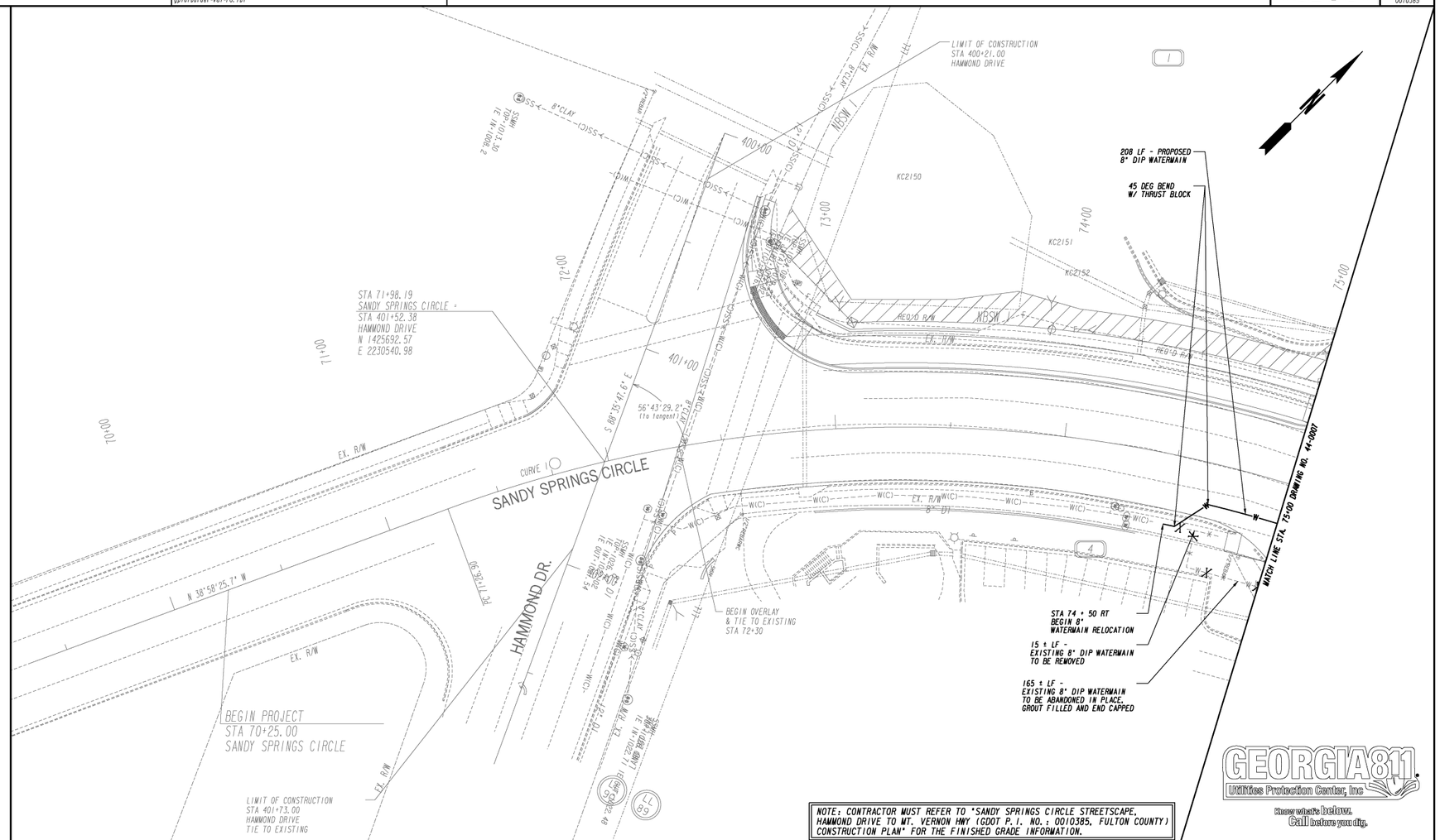


NOTE: CONTRACTOR MUST REFER TO "SANDY SPRINGS CIRCLE STREETSCAPE, HAMMOND DRIVE TO MT. VERNON HWY (GDOT P.I. NO.: 0010385, FULTON COUNTY) CONSTRUCTION PLAN" FOR THE FINISHED GRADE INFORMATION.

GEORGIA811 Utilities Protection Center, Inc
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| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | —C— —F— |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

wsp

SCALE IN FEET
0 20 40 80

REVISION DATES

**UTILITY RELOCATION PLANS**
SANDY SPRINGS CIRCLE STREETSCAPE

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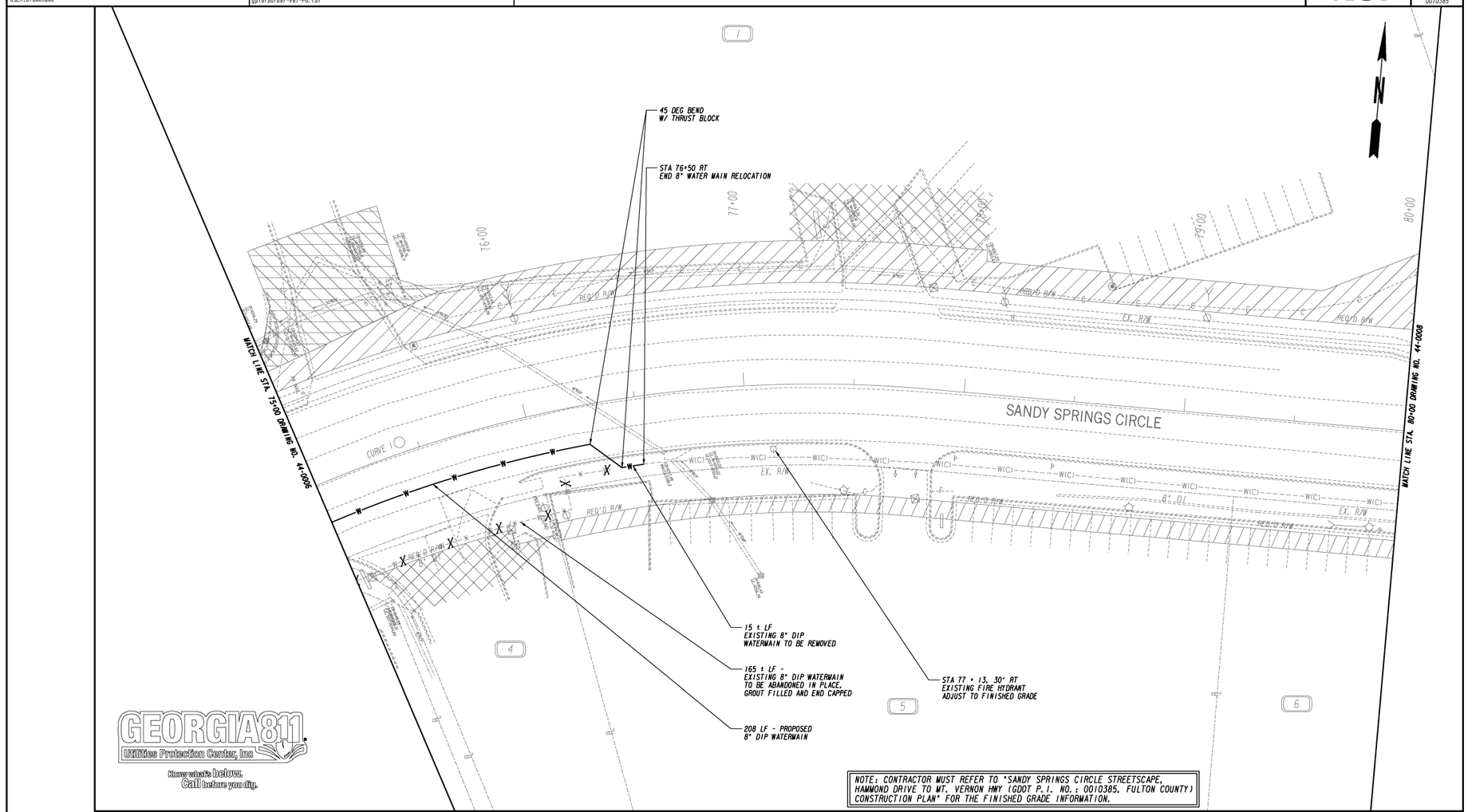


NOTE: CONTRACTOR MUST REFER TO "SANDY SPRINGS CIRCLE STREETSCAPE, HAMMOND DRIVE TO MT. VERNON HWY (GDOT P.I. NO.: 0010385, FULTON COUNTY) CONSTRUCTION PLAN" FOR THE FINISHED GRADE INFORMATION.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE

ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

wsp

SCALE IN FEET
0 20 40 80

REVISION DATES

**UTILITY RELOCATION PLANS**
SANDY SPRINGS CIRCLE STREETSCAPE

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UTILITY RELOCATION PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

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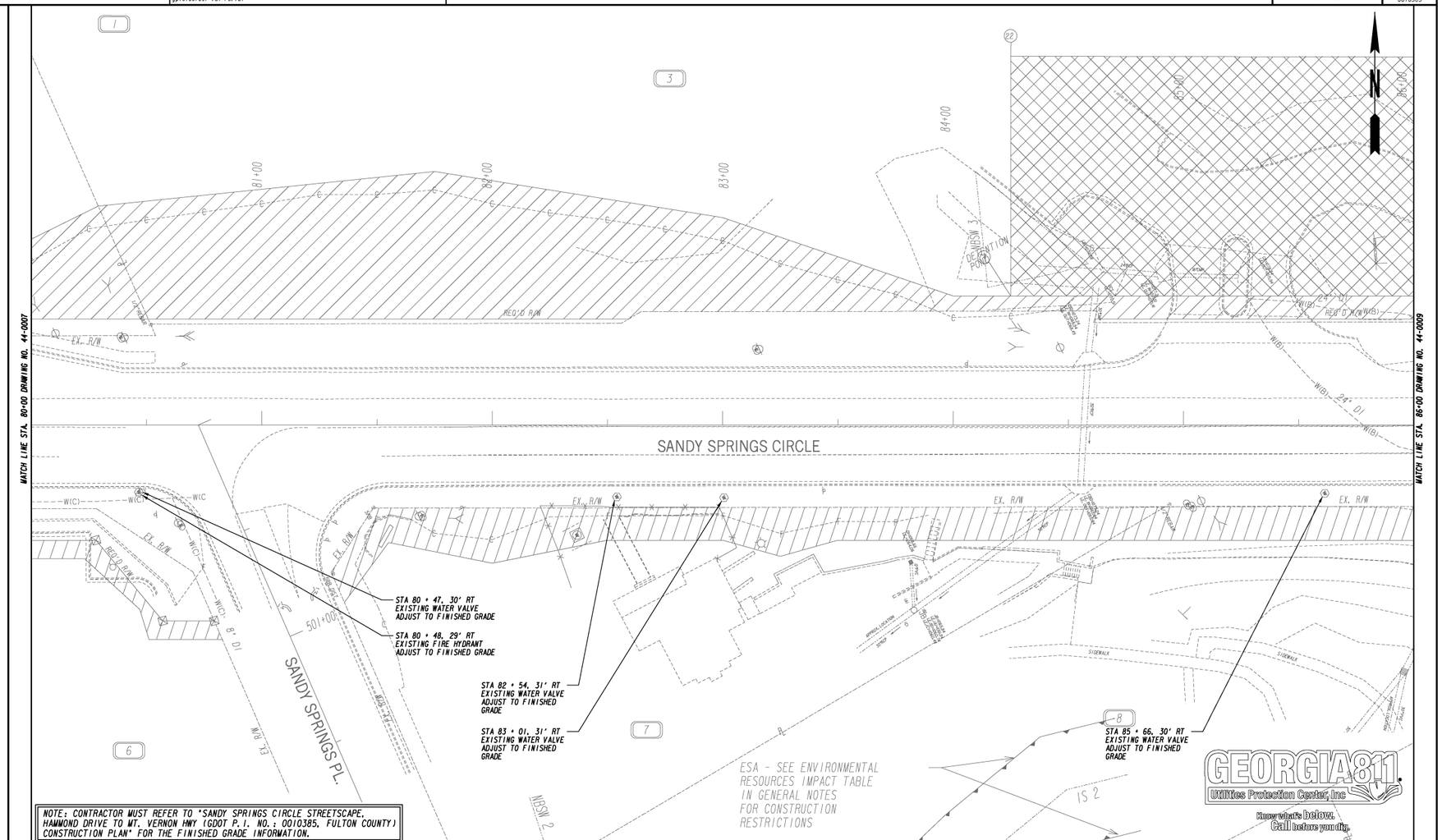


NOTE: CONTRACTOR MUST REFER TO "SANDY SPRINGS CIRCLE STREETSCAPE, HAMMOND DRIVE TO MT. VERNON HWY (GDOT P.I. NO.: 0010385, FULTON COUNTY) CONSTRUCTION PLAN" FOR THE FINISHED GRADE INFORMATION.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

wsp

SCALE IN FEET
0 20 40 80

REVISION DATES

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SANDY SPRINGS CIRCLE STREETSCAPE

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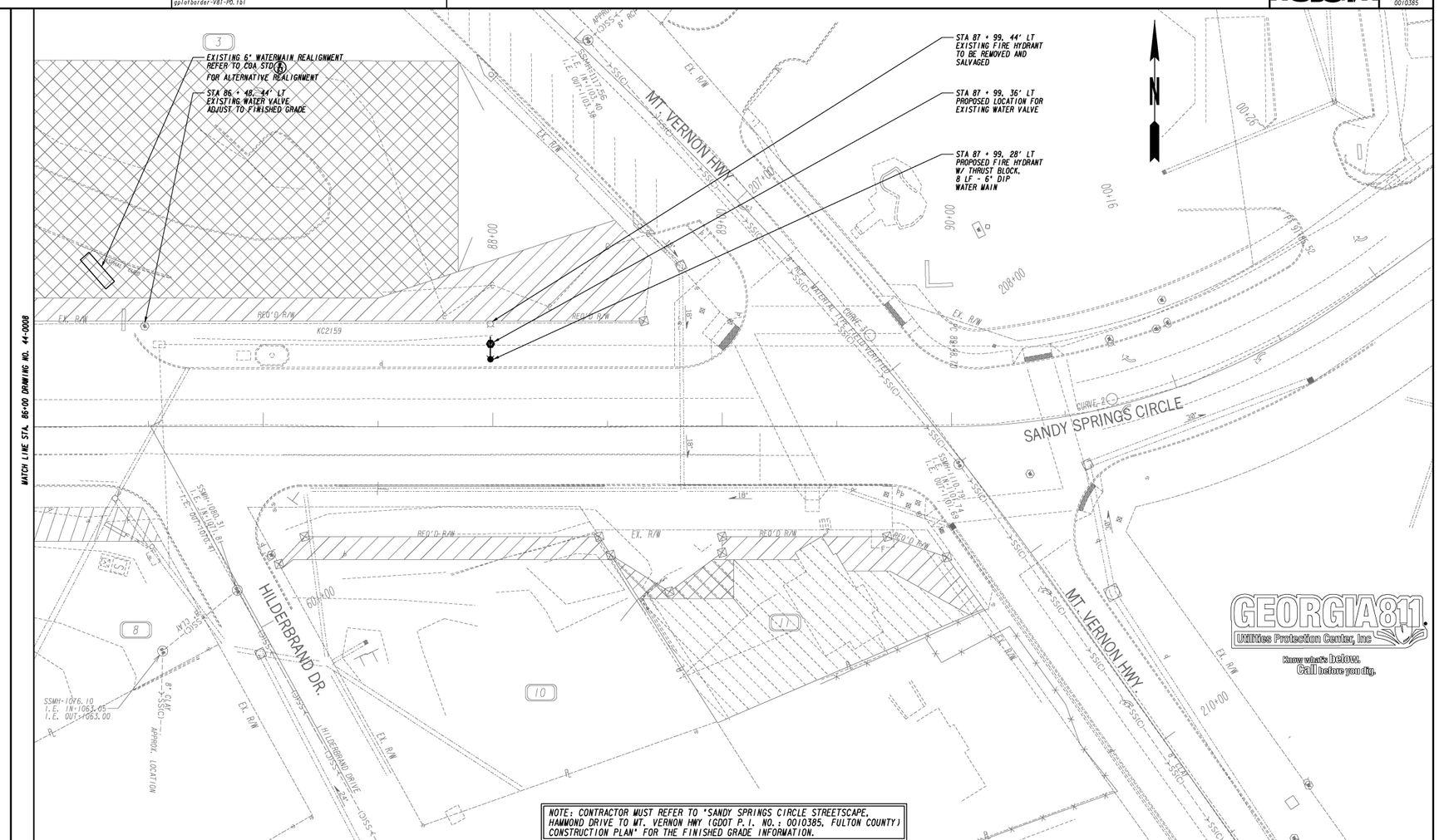


NOTE: CONTRACTOR MUST REFER TO "SANDY SPRINGS CIRCLE STREETSCAPE, HAMMOND DRIVE TO MT. VERNON HWY (GDOT P.I. NO.: 0010385, FULTON COUNTY) CONSTRUCTION PLAN" FOR THE FINISHED GRADE INFORMATION.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

wsp

SCALE IN FEET 0 20 40 80

REVISION DATES

UTILITY RELOCATION PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

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SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

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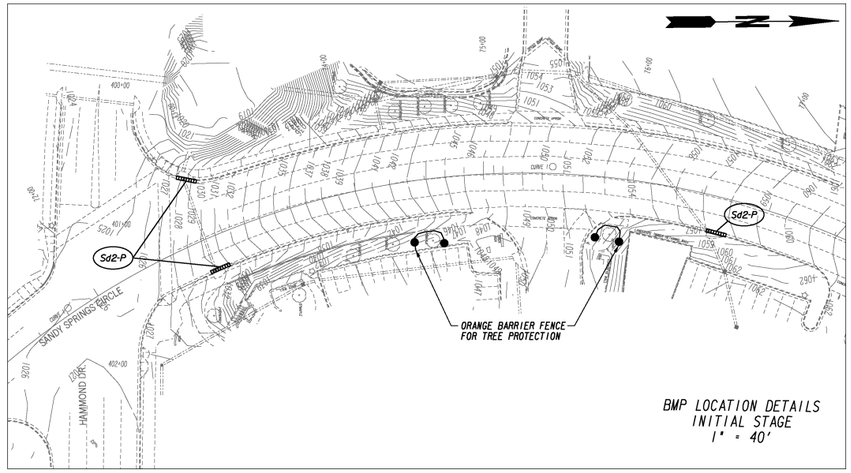
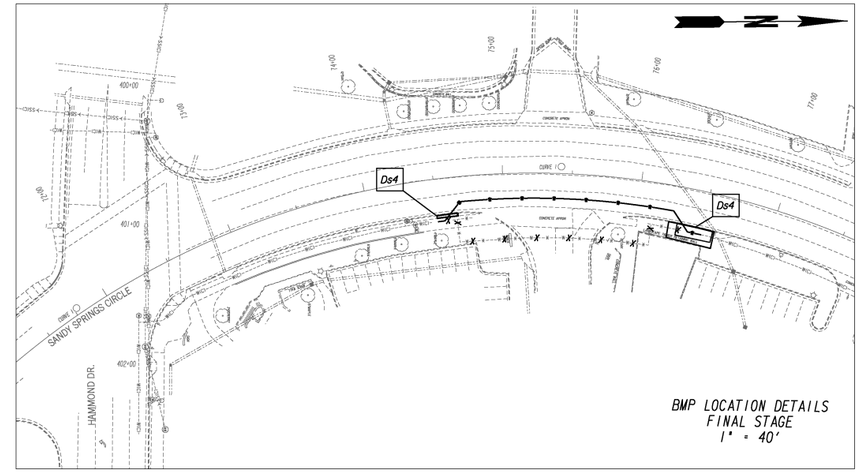
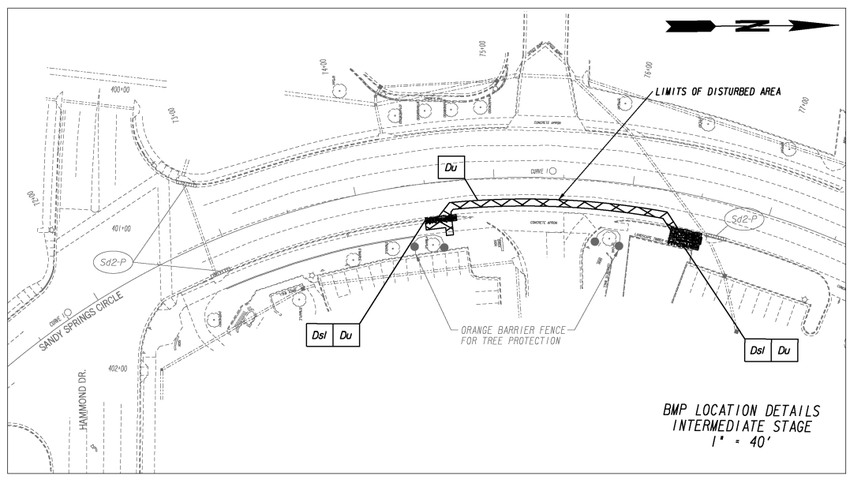



BMP LOCATION DETAILS
INITIAL STAGE
1" = 40'




BMP LOCATION DETAILS
FINAL STAGE
1" = 40'




BMP LOCATION DETAILS
INTERMEDIATE STAGE
1" = 40'

TOTAL DISTURBED AREA = 0.03 AC

GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE

wsp

SCALE IN FEET
0 40 80 160

REVISION DATES

**UTILITY RELOCATION PLANS**
SANDY SPRINGS CIRCLE STREETSCAPE
EROSION CONTROL PLAN

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CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 44-009

1/5/2009 GPLN

8/9/2017 4:45:29 PM GPLOT-V8 J:\185780 - City of Atlanta\5.0 Project Data\5.12 Owner Furnished Data\Task Order 03\RFS*1 Sandy Springs Circle\CADD\0010385\0010385_44-0010.dgn

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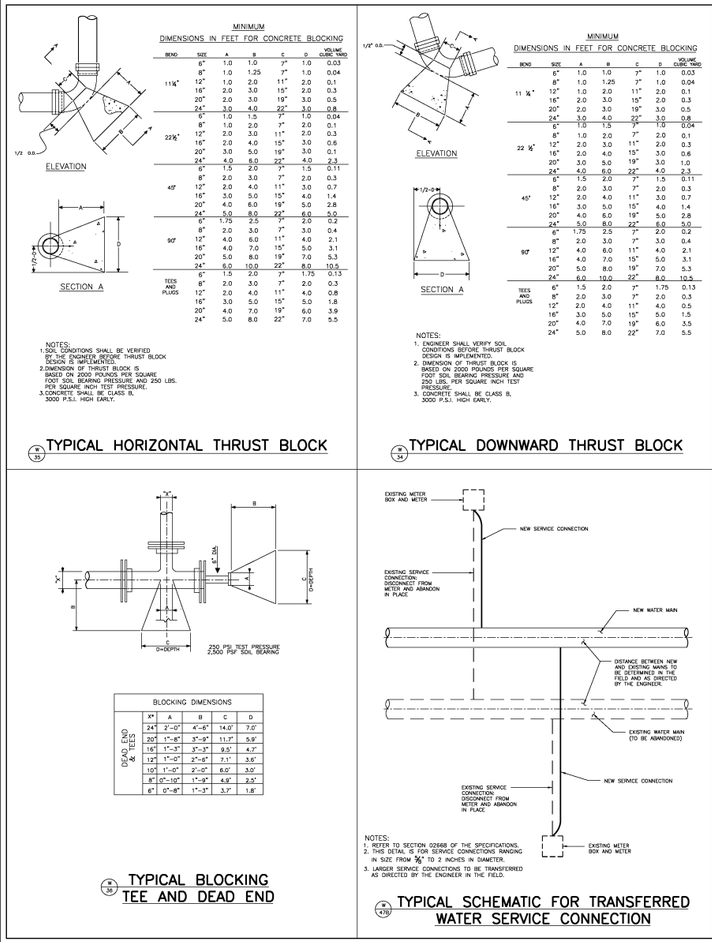
GDOT P.I. No. 0010385




GEORGIA811 Utilities Protection Center, Inc
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7/3/2015 GPLN

wsp

| REVISION DATES | | |
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**CONSTRUCTION DETAILS**

SANDY SPRINGS CIRCLE STREETSCAPE
UTILITY RELOCATION PLANS

| CHECKED: | DATE: | DRAWING No. |
|---|---|---|
| BACKCHECKED: | DATE: | 44-0010 |
| CORRECTED: | DATE: | |
| VERIFIED: | DATE: | |

FOR INFORMATION ONLY BUT CONTRACTOR TO ADJUST AND/OR RELOCATE FIRE HYDRANTS, WATER METERS, VALVE BOXES, ETC., TO GRADE AS NECESSARY. DURING CONSTRUCTION

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 44-010

1/5/2009 GPLN

6/9/2017 4:45:34 PM GPLOT-V8 J:\185780 - City of Atlanta\5.0 Project Data\5.12 Owner Furnished Data\Task Order 03\RFS#1 Sandy Springs Circle\CADD\0010385\0010385_44-0010.dgn

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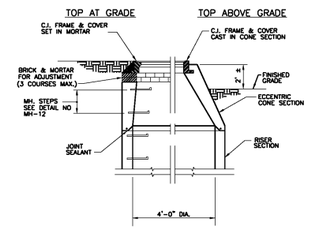
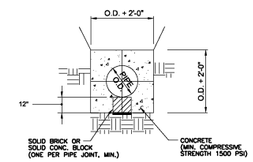


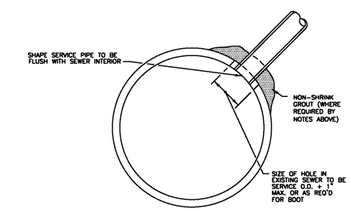

MANHOLE RISER AND CONE

NOTE: FRAME & COVER SHALL BE CAST IN ALL CONE SECTIONS UNLESS FRAME & COVER IS TO BE FLUSH WITH FINAL GRADE



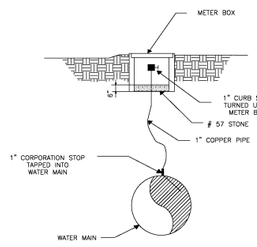

CONCRETE ENCASEMENT
N.T.S.

NOTE:
1. HOLE IN EXISTING SEWER SHALL BE CORED.
2. CONNECT SERVICE TO SEWER WITH:
   - BOOT ON RCP SEWERS.
   - TAPPING SADDLE ON DIP SEWERS.
   - NON-SHRINK GROUT ON BRICK SEWERS.
   - BOOT OR NON-SHRINK GROUT ON PVC SEWERS.
   - MANUFACTURED SADDLE ON PVC PIPE SEWERS.

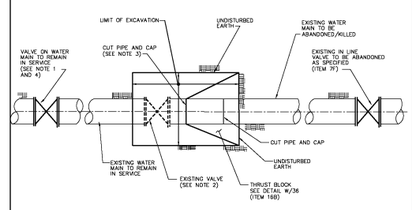



SERVICE CONNECTION -EXISTING SEWERS

| CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT | STANDARD DETAILS | DATE: FEB 2011 SCALE: N.T.S. | DETAIL NO. MH-2 |
|---|---|---|---|
| | MANHOLE RISER AND CONE | | |
| CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT | STANDARD DETAILS | DATE: FEB 2011 SCALE: N.T.S. | DETAIL NO. C-4 |
| | CONCRETE ENCASEMENT | | |
| CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT | STANDARD DETAILS | DATE: FEB 2011 SCALE: N.T.S. | DETAIL NO. SS-2 |
| | LATERAL/TRUNK SERVICE CONNECTION | | |

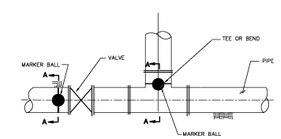



TYPICAL MANUAL AIR VALVE

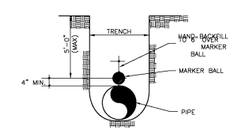



NOTES:
1. CLOSE VALVE PRIOR TO CUTTING AND PLUGGING MAIN.
2. IF VALVE EXISTS WITHIN LIMITS OF EXCAVATION, CLOSE VALVE REMOVE COVER AND EXTENSION STEM AND POUR THRUST BLOCK AGAINST VALVE.
3. WHERE VALVE DOES NOT EXIST, INSTALL CAP ON END OF PIPE AND POUR THRUST BLOCK AGAINST CAP.
4. OPEN VALVE WHEN DIRECTED BY ENGINEER.

PLAN VIEW
CUT AND PLUG/VALVE ABANDONMENT DETAIL

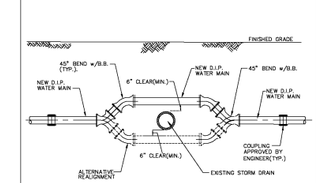



TYPICAL PLAN




TYPICAL SECTION A-A

ELECTRONIC BALL MARKER DETAIL




NOTES:
REALIGNMENT TO BE USED ONLY WHEN AUTHORIZED BY THE ENGINEER.

WATER MAIN REALIGNMENT DETAIL

GEORGIA811 Utilities Protection Center, Inc
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| REVISION DATES | | |
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CONSTRUCTION DETAILS

SANDY SPRINGS CIRCLE STREETSCAPE
UTILITY RELOCATION PLANS

| CHECKED: | DATE: | DRAWING No. |
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| BACKCHECKED: | DATE: | 44-0011 |
| CORRECTED: | DATE: | |
| VERIFIED: | DATE: | |

7/31/2015 GPLN

FOR INFORMATION ONLY BUT CONTRACTOR TO ADJUST AND/OR RELOCATE FIRE HYDRANTS, WATER METERS, VALVE BOXES, ETC., TO GRADE AS NECESSARY. DURING CONSTRUCTION

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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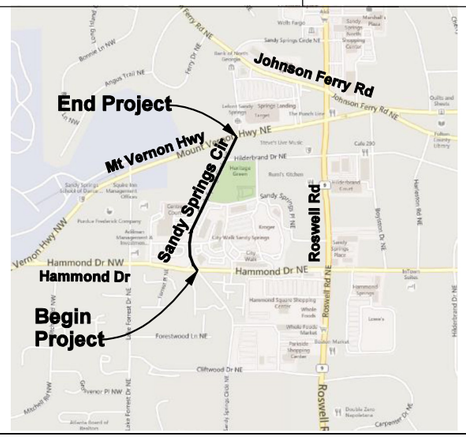
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 44-011

1/5/2009 GPLN




LOCATION SKETCH

# CITY OF SANDY SPRINGS
# DEPARTMENT OF PUBLIC WORKS

## EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

## SANDY SPRINGS CIRCLE STREETSCAPE
## HAMMOND DRIVE TO MT. VERNON HWY.

FEDERAL ROUTE # N/A
STATE ROUTE # N/A
P.I. NO. 0010385
FULTON COUNTY

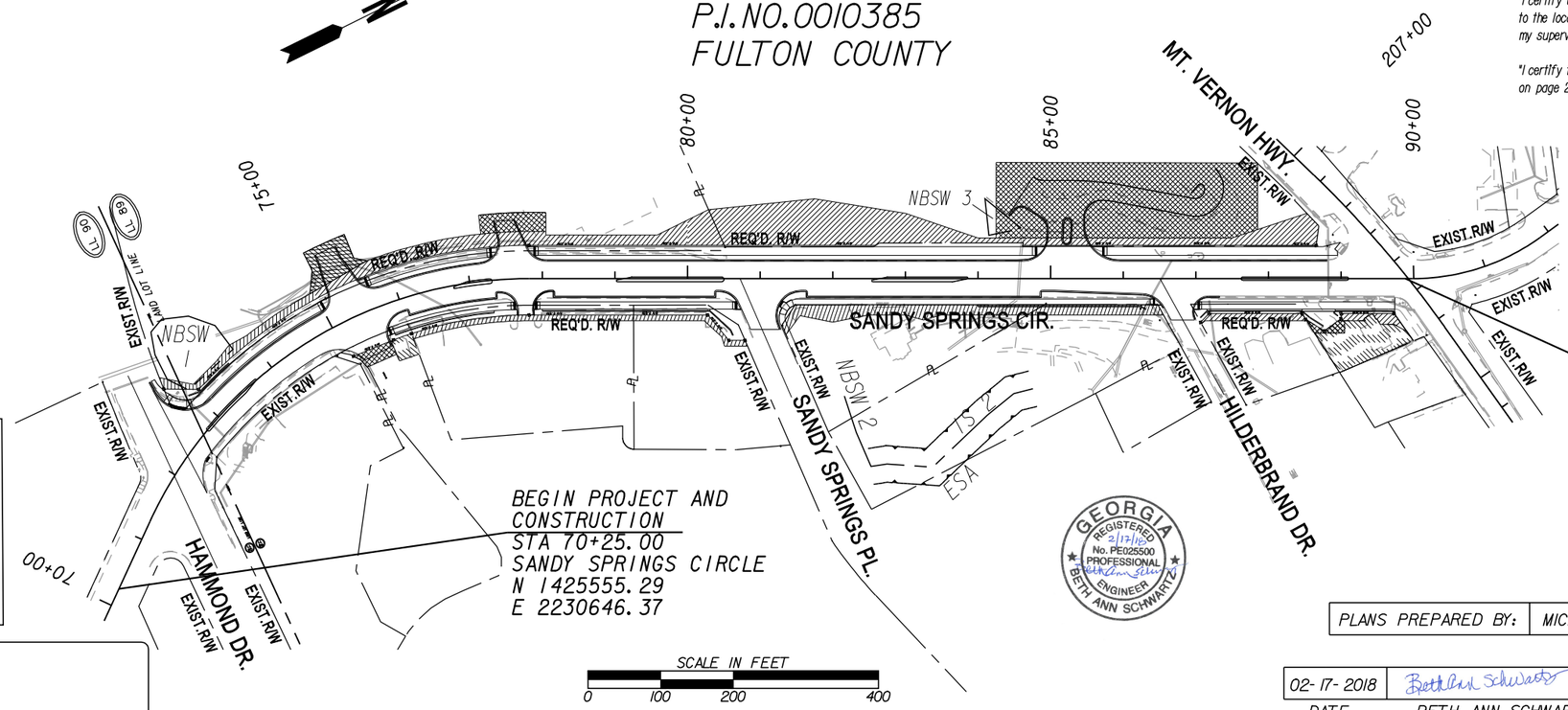
"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with part IV, of the General NPDES Permit No. GAR 100002."

"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 100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR 100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my supervision."

"I certify the ES&PC Plan provides for representative sampling as stated on page 26 of permit as applicable."




BEGIN PROJECT AND CONSTRUCTION
STA 70+25.00
SANDY SPRINGS CIRCLE
N 1425555.29
E 2230646.37

END PROJECT AND CONSTRUCTION
STA. 89+89.00
SANDY SPRINGS CIRCLE
N 1427332.96
E 2231048.77

| | |
|---|---|
| BEGIN-POINT COORDINATES | Longitude: -84.3840<br>Latitude: 33.9187 |
| MID-POINT COORDINATES | Longitude: -84.3841<br>Latitude: 33.9212 |
| END-POINT COORDINATES | Longitude: -84.3827<br>Latitude: 33.9236 |

SANDY SPRINGS
GEORGIA

Michael Baker
INTERNATIONAL

FULTON COUNTY

### PRIMARY PERMITTEE

CITY OF SANDY SPRINGS
7840 ROSWELL ROAD
BUILDING 500
SANDY SPRINGS, GA 30350
PHONE: (770) 730-5600
EMAIL: TGuilford@SandySpringsga.gov

GEORGIA REGISTERED 2/17/18 No. PE025500 PROFESSIONAL ENGINEER BETH ANN SCHWARTZ

| | | |
|---|---|---|
| PLANS PREPARED BY: | MICHAEL BAKER INTERNATIONAL | |
| 02-17-2018 | Beth Ann Schwartz | 0000006932 |
| DATE | BETH ANN SCHWARTZ, PE | GSWCC LEVEL II Certification Number |

### 24 HOUR CONTACT:

NAME

STREET ADDRESS

CITY, STATE, ZIP

PHONE NUMBER

EMAIL ADDRESS

CONTRACTOR SHALL COMPLETE THE INFORMATION IN THIS BOX.

| LENGTH OF PROJECT | COUNTY No. 121<br>Project No. 0010385 |
|---|---|
| COUNTY: FULTON | MILES |
| NET LENGTH OF ROADWAY | 0.370 |
| NET LENGTH OF BRIDGES | 0.000 |
| NET LENGTH OF PROJECT | 0.370 |
| NET LENGTH OF EXCEPTIONS | 0.000 |
| GROSS LENGTH OF PROJECT | 0.370 |

PLANS COMPLETED 02-17-2018

REVISIONS

| DATE | ENTITY REQUESTING REVISION(S) | DRAWING NUMBER(S) | SIGNATURE | GSWCC LEVEL II # |
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DRAWING No.
50-001

REVISED August 2018

## ESPCP GENERAL 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 and sedimentatation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.

## ESPCP ALTERATIONS

The Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project based on common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the contractor shall revise the plans in accordance to Special Provision 161 - Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Admendments/revisions to the ESPCP which have a significiant effect on BMP's with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC level-II-Certified Design Professional. Additional BMP's may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

## SITE STABILIZATION AND VEGETATION PLANTING SCHEDULE

EPD General Permit GAR 100002 states that any disturbed area where construction activites have temporarily or permanently ceased shall be stabilized 14 within days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in teh current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching for this project can be found in section 700 of the current edition of the Department's Standard Specifications (or special provisions) and other applicaable contract documents, or landscaping plans.

## CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

The initial BMP installation is shown in the initial phase and this includes all perimeter silt fence controls. This silt fence shall be installed concurrent with clearing and grubbing operations. Intermediate and final BMP's are shown throughout the intermediate and final phases. The BMP's to be installed during these stages are additional silt fence, sediment inlet traps, slope mats, filter rings, construction exits, temporary grassing, mulching, and permanent grassing.
These BMP's shall be installed concurrently with mass grading operations with the exception of inlet traps and filter rings which should be installed prior to mass grading operations.
During mass grading operations, runoff from disturbed area must be directed to sediment control BMP's. Sediment basins are not utilized due to adverse impacts of constructing and removing the basin.
Final BMP's included in this project are grassing, and slope mats. These items are installed during mass grading operations, but are noted on the plans as permanent BMP's for final stabilization of that phase.

## PETROLEUM STORAGE, SPILLS AND LEAKS

The plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materals on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for on site storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

## POST-CONSTRUCTION BMP'S

All permanent postconstruction BMP's are shown in the construction plans and in the ESPCP plan. The postconstruction BMP's for this project consist of vegetation and slope mats where necessary. The postconstruction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

## RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GAR 100002.

## SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site: Ub, UmC2, and Ure.

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

## SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called J hooks (or spurs). The J hooks shall be
utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum spacing for J hooks is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

## BMP INSTALL AND MAINTENANCE MEASURES

See the Department's Standard Specifications 161, 163, 165, 700, 711, and other contract documents for maintenance and stabilization measures.

## WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

## INSPECTIONS AND REPORTING

As the primary permittee the Department must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within seven (7) days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMP's for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within seven (7) days of installation and all sediment basins within the entire linear infrastructure project within seven (7) days of installation. The inspecting design professional shall report the results to the primary permittee within seven (7) days, and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionallay, the Department's Construction Project Engineer will be responsible for all subsequent seven-day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or special provision) 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including clearning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacment BMP or significiant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discvoery. A repair requiring a new or replacement BMP or significant repplar must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activites with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specificed in the contract documents.

## NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, The Manual for Erosion and Sediment Control in Georgia, Department Standards, and contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

## DE-WATERING ACTIVITIES AND USE OF PUMPS

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of their pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit utilizing by a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

## SEDIMENT STORAGE

This site has a total disturbed area of 2.31 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMPs specified in this table.

| Location | Total Drainage Area (acres) | Disturbed Area (acres) | Required Sediment Storage Volume ($yd^3$) | Total Storage Volume Provided ($yd^3$) | Check Dam (# $yd^3$/each) | | Traps ( 10 $yd^3$/each) | | Silt Fence (0.3 $yd^3$/ft) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | # of Devices | Total Volume ($yd^3$) | # of Devices | Total Volume ($yd^3$) | Length of Fence (ft) | Total Volume ($yd^3$) |
| Outfall 1 | 0.197 | 0.072 | 13 | 62 | | | 2 | 20 | 140 | 42 |
| Outfall 2 | 0.229 | 0.128 | 15 | 41 | | | 2 | 20 | 70 | 21 |
| Outfall 3 | 1.462 | 0.708 | 98 | 284 | | | 8 | 80 | 680 | 204 |
| Outfall 4 | 0.517 | 0.011 | 35 | 40 | | | 4 | 40 | 0 | 0 |
| Outfall 5 | 1.408 | 0.996 | 94 | 153 | | | 4 | 40 | 375 | 113 |
| Outfall 6 | 1.328 | 0.182 | 89 | 78 | | | 1 | 10 | 225 | 68 |
| Outfall 7 | 0.61 | 0.211 | 41 | 61 | | | 2 | 20 | 135 | 41 |
| Total Sheet Flow | 0.00 | 0 | 0 | 0 | | | | | 0 | 0 |

In prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

## TEMPORARY SEDIMENT BASIN DETAILS

Sediment basins are not used on this project. The disturbance activities consist of pavement overlay, curb and gutter, sidewalks, lighting, landscape, and drainage system. BMP's as shown on the erosion control plans will be adequate to control sediment runoff for this project.

## USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternatives or additional BMP's will be used on this project.

## DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an identified impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

## STATE-WATER BUFFER IMPACTS

**State-water Buffers are defined by O.C.G.A.12-7-1, are not impacted by this project.**

**Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquirigin the necessary variances and permits.**

## OTHER CONTROLS

If the contractor elects to store building material, building products, constrcution waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposer of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliane with all appplicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

Michael Baker INTERNATIONAL

| REVISION DATES | | |
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CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

ESPCP GENERAL NOTES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 51-001

## SAMPLING LOCATION AND GENERAL NOTES:

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four charachteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acrea, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specificed locations in the table below will be representative of the alternative outfall drainage basins when similiar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

| Note: The total site area is 6.25 acres. | | | | | | | | | | Representative Sampling Scheme | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING INFORMATION | | | | | | | | | | OUTFALL CHARACTERISTICS | | | | |
| Primary Sampled Feature | Location (Station and Offset) | Name of Recelving water | Applicable construction stage for monitoring | Sampling Type (Outfall or Receiving Water) | Drainage Area for the receiving water (mi2) | Warm or Cold water Stream | Appendix B NTU value (outfall sampling only) | Allowable NTU Increase (receiving-water sampling only) | Location Description | Construction Activity | Disturbed Area (acres) | Average Outfall Slope (rise/run) | Soil Erosion Index | Represented Outfall Drainage Basins |
| Outfall 2 | 74+26.38' LT | Tributary to LONG ISLAND CREEK | ALL | Outfall | 7.560 SQ MI. | WARM | 150 | N/A | Manhole | SHOULDER CONSTRUCTION | 0.28 | N/A | N/A | 1-4 |
| Outfall 5 | 84+56.28' RT | Tributary to LONG ISLAND CREEK | ALL | Outfall | 7.560 SQ MI. | WARM | 150 | N/A | Catch basin | SHOULDER CONSTRUCTION | 0.996 | N/A | N/A | 5 |
| Outfall 6 | 86+35.5,31' RT | Tributary to LONG ISLAND CREEK | ALL | Outfall | 7.560 SQ MI. | WARM | 150 | N/A | Manhole | SHOULDER CONSTRUCTION | 0.82 | N/A | N/A | 6,7 |

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

## WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for inspecting and sampling procedures. Sampling locations are provided in teh Sampling Location table herein.

## READY MIX CHUTE WASH-DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of portland cement concrete is prohibited on this site.

In accordance with standard Specification 107-Legal Regulations and Responsibility to the Public, only the discharge chute utilized in portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down water pit location that includes the following: (1) a location away from a storm drain, stream or river, (2) acces to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the contrainer to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A guide for Ready Mix Chute/Hopper Wash-down".

## VEGETATION AND PLANTING SCHEDULE

ALL TEMPORARY AND PERMANENT VEGETATIVE PRACTICES INCLUDING PLANT SPECIES, PLANTING DATES, SEEDING FERTILIZER, LIME AND MULCHING RATES FOR THIS PROJECT CAN BE FOUND IN SECTION 700 OF THE CURRENT EDITION OF THE DEPARTMENT'S SPECIFICATIONS AND OTHER APPLICABLE CONTRACT DOCUMENTS, SPECIAL PROVISIONS, OR LANDSCAPING PLANS.

THE SEEDING TABLE BELOW SHOULD BE USED IN DETERMINING GRASS SPECIES DEPENDENT ON PLANTING DATES. THE CITY OF SANDY SPRINGS IS IN PLANTING ZONE 1.

APPLY FERTILIZER AS FOLLOWS:

AGRICULTURAL LIME-UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT APPROXIMATE RATE DETERMINED BY THE LABORATORY SOIL TEST.

FERTILIZER MIXED GRADE-UNIFORMERLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200 LBS/ACRE. IF USING HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY IT AT THE SAME RATE PER ACRE AS THE STANDARD FERTILIZER.

SELECT FERTILIZER MIXED GRADE SUCH AS 10-10-10, 6-12-12, 5-10-15, OR OTHER ANALYSIS WITHIN THE FOLLOWING LIMITS:
NITROGEN 5 TO 10 PERCENT
PHOSPHORUS 10 TO 15 PERCENT
POTASSIUM 10 TO 15 PERCENT
IF USING MIXED GRADE FERTILIZER FOR HYDROSEEDING, ENSURE IT HAS THE FOLLOWING ANAYSIS:
NITROGEN 5 TO 19 PERCENT
PHOSPHORUS 10 TO 19 PERCENT
POTASSIUM 10 TO 19 PERCENT

SEEDING TABLE

| PLANTING ZONES | PLANTING DATES | RYE GRASS MULLET CEREAL GRASS (OATS) | COMMON BERMUDA GRASS (HULLED) | COMMON BERMUDA GRASS (UNHULLED) | TALL FESCUE | WEEPING LOVE GRASS | WHITE OR CRIMSON CLOVER | COMMON VETCH | SCARIFIED INTERSTATE LESPEDEZA | UNSCARIFIED INTERSTATE LESPEDEZA | REQUIRED PERMANENT PLANTING |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | POUNDS (KG) OF SEED PER ACRE (HECTACRE) | | | | | | | | | |
| 1 | MARCH 1- MAY 15 | | 10 (11) | 10 (11) | 50 (56) | | | | | | COMMON BERMUDA GRASS |
| 1 | MAY 1- JULY 31 | | 10 (11) | 10 (11) | | | | | | | |
| 1 | AUGUST 1 - FEBRUARY 28 | 15 (17) | | | | | | | | | |
| 1 | NOVEMBER 15 - JANUARY 31 | | | | | | 6 (7) | | | | |
| 2, 3, 4 | FEBRUARY 25 - AUGUST 31 | | 10 (11) | 10 (11) | | | | | | | |
| 2, 3, 4 | SEPTEMBER 1 - FEBRUARY 14 | 15 (17) | | | | | | | | | COMMON BERMUDA GRASS |
| 2, 3, 4 | NOVEMBER 15 - JANUARY 31 | | | | | | 6 (7) | | | | |
| | PLANT THESE COMBINATIONS ON BACK SLOPES, FILL SLOPES AND AREAS WHICH WILL NOT BE SUBJECT TO FREQUENT MOWING | | | | | | | | | | |
| 1, 2 | MARCH 1 - JULY 31 | | | | | 4 (5) | | | 50 (56) | | INTERSTATE LESPEDEZA OF CROWN VETCH |
| 1, 2 | AUGUST 1 - FEBRUARY 28 | | | | 30 (34) | | | 15 (17) | | 75 (84) | |
| 3, 4 | AUGUST 15 - AUGUST 31 | | | | | 4 (5) | | | 50 (56) | | INTERSTATE LESPEDEZA |
| 3, 4 | SEPTEMBER 1 - FEBRUARY 14 | 50 (56) | | | | | | | | 75 (84) | |

EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INSTALLATION OF CONSTRUCTION EXIT, PERIMETER SILT FENCE & TREE PROTECTION FENCE | | | | | | | | | | | | | | | | | | | |
| CLEARING & GRUBBING | | | | | | | | | | | | | | | | | | | |
| ROUGH GRADING & DRAINAGE | | | | | | | | | | | | | | | | | | | |
| INSTALL INTERMEDIATE EROSION MEASURES | | | | | | | | | | | | | | | | | | | |
| CONSTRUCTION OF HEADER CURBS, SIDEWALKS, DRIVEWAYS, AND ROADWAY | | | | | | | | | | | | | | | | | | | |
| FINAL GRADE & GRASSING | | | | | | | | | | | | | | | | | | | |
| REMOVE TEMPORARY EROSION MEASURES AND TREE PROTECTION FENCING | | | | | | | | | | | | | | | | | | | |

MULCHING SCHEDULE

| MULCHING MATERIAL | RATE/ACRE |
|---|---|
| DRY STRAW OR HAY | 2.5 TONS |
| WOOD WASTE, CHIPS | 6 TO 9 TONS |
| SAWDUST, OR BARK | (2 TO 3" DEEP) |

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

ESPCP GENERAL NOTES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 51-002

GEORGIA SOIL AND WATER CONSERVATION COMMISSION
EROSION,SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: FULTON COUNTY

Project Name: SANDY SPRINGS CIRCLE STREETSCAPE
Address:
City/County: City of Sandy Springs,Georgia
Date on Plans: 02/17/2018

| Plan Page # | Included Y/N | |
|---|---|---|
| 51-003 | Y | 1. The applicable Erosion,Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed.) |
| 50-001 | Y | 2. Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature,seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed) |
| 50-001 | Y | 3. The name and phone number of the 24-hour local contact responsible for erosion,sedimentation and pollution controls. |
| 50-001 | Y | 4. Provide name,address and phone number of primary permittee. |
| 53-001 | Y | 5. Note total and disturbed acreage of the project or phase under construction. |
| 50-001 | Y | 6. Provide the GPS locations of the Beginning and End of the Infrastructure project. Give the Latitude and Longitude in decimal degrees. |
| 50-001 | Y | 7. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. |
| 51-001 | Y | 8. Description of the nature of construction activity. |
| 50-001 | Y | 9. Provide a vacinity map showing site's relation to surrounding areas. Include designation of specific phase,if necessary. |
| 51-002 | Y | 10. Identify the project receiving waters and describe all sensitive adjacent areas including streams,lakes,residential areas,wetlands,marshlands,etc.which may be affected. |
| 50-001 | Y | 11. Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit. |
| 50-001 | Y | 12. Design professionals' certification statement and signture that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meeet permit requirements as stated on page 15 of the permit.* |
| 50-001 | Y | 13. Design professionals' certification statement and signture that the permittee's ES&PC Plan provides for representative sampling as stated on page 26 of the permit as applicable. |
| 51-001 | Y | 14. Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation.** |
| 51-001 | Y | 15. Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." |
| 51-001 | Y | 16. Provide a description of any buffer encroachments and indicate whether a buffer variance is required. |
| 51-001 | Y | 17. Clearly note the statement that "Amendments/revisions to the ES&PC plan which have significant effect on BMP's with a hydraulic component must be certified by the design professional."* |
| 51-001 | Y | 18. Clearly note the statement that "Waste materials shall not be discharged to waters of the State,except as authorized by a section 404 permit."* |
| 51-001 | Y | 19. Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities." |
| 51-001 | Y | 20. Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control,addition erosion and sediment control measures shall be implemented to control or treat the sediment source.* |
| 51-001 | Y | 21. Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." |
| 51-001 | Y | 22. Any construction activity which discharges storm water into an Impaired Stream Segment,or within 1 linear mile upstream of and within the same watershed as,any portion of an Biota Impaired Stream Segment must complay with Part III.C.of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.* |
| N/A | N/A | 23. If TDML Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submital of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TDML Implementation Plan.* |
| 51-002 | Y | 24. BMPs for concrete washdown of tools,concrete mixer chutes,hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.* |
| 51-001 | Y | 25. Provide BMPs for remediation of all petroleum spills and leaks. |
| 51-001 | Y | 26. Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.* |
| 51-001 | Y | 27. Description of the practices that will be used to reduce the pollutants in storm water discharges.* |
| 51-002 | Y | 28. Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e.initial perimeter and sediment storage BMPs,clearing and grubbing activities,excavation activities,utility activities,temporary and final stablization). |
| 51-001 | Y | 29. Provide complete requirements of inspections and record keeping by the primary permittee.* |
| 51-002 | Y | 30. Provide complete requirements of sampling frequency and reporting of sampling results.* |
| 51-001 | Y | 31. Provide complete details for retention of records as per Part IV.F.of the permit.* |
| 51-002 | Y | 32. Description of analytical methods to be used to collect and analyze the samples from each location.* |
| 51-002 | Y | 33. Appendix B rationale for NTU values at all outfall sampling points where applicable.* |
| 53-001 | Y | 34. Delineate all sampling locations,perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justication and analysis for the representative sampling as applicable.* |
| 51-001 | Y | 35. A description of appropriate controls and measures that will be implemented at the construction site including:(1) initial sediment storage requirements and perimeter control BMPs,(2) intermediate grading and drainage BMPs,and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMP's,intermediate grading and drainage BMPs,and final BMPs are the same,the plan may combine all of the BMP's into a single phase.* |
| ALL | Y | 36. Graphic scale and north arrow. |
| 55-001 | Y | 37. Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: |

| | |
|---|---|
| Existing Contours*** | USGS 1" = 2000' |
| Proposed Contours*** | 1" : 400' Centerline Profile |

*** only existing contours shown proposed contours handled by cross section sheets

| Plan Page # | Included Y/N | |
|---|---|---|
| 51-001 | Y | 38. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org. |
| 51-001 | Y | 39. Use of alternative BMPs for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.* |
| 53-001 | Y | 40. Delineation of 25-foot or 50-foot undisturbed buffers adjacent to state waters any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact. |
| 53-001 | Y | 41. Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site. |
| 53-001 | Y | 42. Delineation and acreage of contributing drainage basins on the project site. |
| 55-001 | Y | 43. Delineate on-site drainage and off-site watersheds using USGS 1"=2000' topographical sheets. |
| 53-001 | Y | 44. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. |
| 53-001 | Y | 45. Storm drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points. |
| 51-001 | Y | 46. Soil series for the project site and their delineation. |
| 54-ALL | Y | 47. The limits of disturbance for each phase of construction. |
| 51-001 | Y | 48. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin,retrofitted detention pond,and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin in not attainable must be included in the plan for each common drainage locations in which a sediment basin is not provided. A written justification as to why 67 cub yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPS and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments,permittees are required to utilitize outlet structures that withdraw water from the surface,unless infeasbile. If outlet structures that withdraw water from the surface are not feasible,a written justificiation explaining this decision must be included in the plan. |
| 54-ALL | Y | 49. Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual,Chapte 6,with legend. |
| 56-ALL | Y | 50. Provide detailed drawings for all structural practices. Specifications must,at a minimum,meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia. |
| 51-002 | Y | 51. Provide vegetative plan,noting all temporary and permanent vegetative practices. Include species,planting dates and seeding,fertilizer,lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia. |

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items should be N/A.

Effective January 1,2018

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

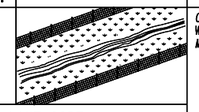
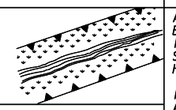
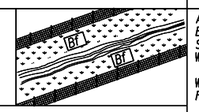
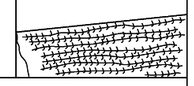
REVISION DATES

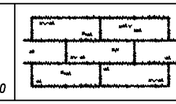
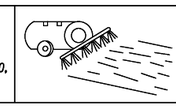
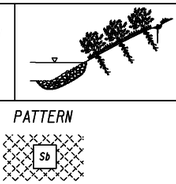
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

ESPCP GENERAL NOTES

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 51-003

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| ESA | ORANGE BARRIER FENCE<br>LINE CODE<br>ORANGE BARRIER FENCE |  | ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA. |
| | ENVIRONMENTALLY SENSITIVE AREA<br>LINE CODE<br>ESA-25'(OR 50')STREAM BUFFER, ETC. |  | AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS.<br><br>IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES. |
| Bf | BUFFER ZONE<br>SYMBOL<br>Bf |  | A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS.<br><br>WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE. |
| Ds1 | MULCH<br>SECTION 163<br>SYMBOL<br>Ds1 |  | THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING.<br><br>MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER.<br><br>THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54. |
| Ds2 | TEMPORARY GRASSING<br>SECTION 163,700<br>SYMBOL<br>Ds2 | | THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST.<br><br>TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS.<br><br>THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Ds3 | PERMANENT GRASSING<br>SECTION 700<br>SYMBOL<br>Ds3 | | THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON.<br><br>PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION.<br><br>THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54. |
| Ds4 | SODDING<br>CONSTRUCTION DETAIL D-54<br>SECTION 700, 890<br>PATTERN<br>Ds4 |  | THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION.<br><br>SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS.<br><br>THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54. |
| Fl-Co | FLOCCULANTS COAGULANTS<br>SECTION 163, 700, 895<br>SYMBOL<br>Fl-Co<br>POLYACRYLAMIDE |  | FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION.<br><br>ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs!<br><br>FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE. |
| Sb | STREAMBANK STABILIZATION<br>SECTION 702<br>PATTERN<br>Sb |  | STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS.<br><br>STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS. |

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017

**EROSION CONTROL LEGEND**
UNIFORM CODE SHEET
SHEET 1 OF 7

| | | | |
|---|---|---|---|
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 52-0001

7/31/2015 GPLN

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

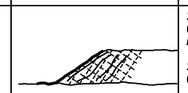
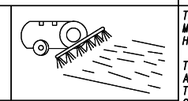
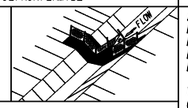
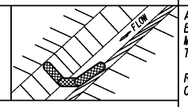
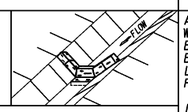
REVISION DATES

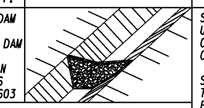
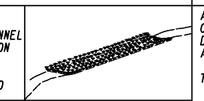
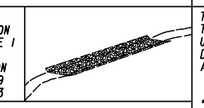
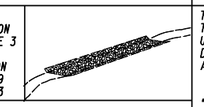
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL LEGEND
SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 52-001

1/5/2009 GPLN

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Ss | SLOPE STABILIZATION<br>CONSTRUCTION DETAIL D-35 SECTION 716 |  <br>PATTERN<br>Ss | SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS.<br>SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP).<br>SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS.<br>NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS. |
| Tac | TACKIFIERS<br>SECTION 163, 700, 895 |  <br>SYMBOL<br>Tac<br>POLYACRYLAMIDE | TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH.<br>TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA. |
| Cd-F | FABRIC CHECK DAM<br>CONSTRUCTION DETAIL D-24D SECTION 171 |  <br><br>SYMBOL<br>Cd-F | A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS.<br>THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE.<br>IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT. |
| Cd-Fs | COMPOST FILTER SOCK CHECK DAM<br>CONSTRUCTION DETAIL D-52 SECTION 163 |  <br><br>SYMBOL<br>Cd-Fs | A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS.<br>IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT. |
| Cd-Hb | BALED STRAW CHECK DAM<br>CONSTRUCTION DETAIL D-52 SECTION 163 |  <br><br>SYMBOL<br>Cd-Hb | A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS.<br>IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Cd-S | STONE CHECK DAM OR SANDBAG CHECK DAM<br>CONSTRUCTION DETAIL D-56 SECTION 163, 603 |  <br>SYMBOL<br>Cd-S | STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE.<br>SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS.<br>IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT. |
| Ch-1 | VEGETATED CHANNEL STABILIZATION<br>SECTION 700 |  <br>LINE CODE<br>Ch-1 | A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.<br>TYPICALLY NOT SHOWN IN PLANS. |
| Ch-2R1 | CHANNEL STABILIZATION RIP-RAP, TYPE 1<br>CONSTRUCTION DETAIL D-49 SECTION 603 |  <br>LINE CODE<br>Ch-2R1 | THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2R3 | CHANNEL STABILIZATION RIP-RAP, TYPE 3<br>CONSTRUCTION DETAIL D-49 SECTION 603 |  <br>LINE CODE<br>Ch-2R3 | THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

| REVISION DATES |
|---|
| 3/2/2017 |
| 11/28/2018 |

**EROSION CONTROL LEGEND**
UNIFORM CODE SHEET
SHEET 2 OF 7

| | | | |
|---|---|---|---|
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 52-0002

7/31/2015 GPLN

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

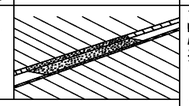
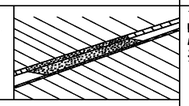
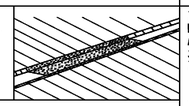
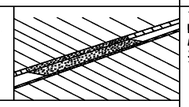
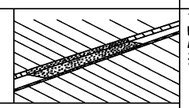
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

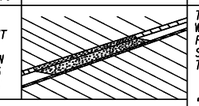
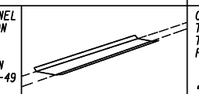
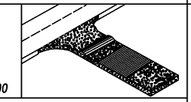
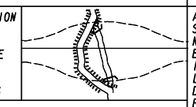
EROSION CONTROL LEGEND
SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 52-002

1/5/2009 GPLN

3/2/2017 11:09:40 AM GPLOT-V8 gplotborder-V8I-PO.tbl EC-L(sheets 1-7).dgn P.I. No.

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Ch-2T1 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711<br>LINE CODE<br>Ch-2T1 |  | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2T2 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711<br>LINE CODE<br>Ch-2T2 |  | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2T3 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711<br>LINE CODE<br>Ch-2T3 |  | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2T4 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711<br>LINE CODE<br>Ch-2T4 |  | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2T5 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711<br>LINE CODE<br>Ch-2T5 |  | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Ch-2T6 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711<br>LINE CODE<br>Ch-2T6 |  | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-3 | CONCRETE CHANNEL STABILIZATION<br>CONSTRUCTION DETAIL D-10, D-49 SECTION 441<br>LINE CODE<br>Ch-3 |  | CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.<br>RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS. |
| Co | CONSTRUCTION EXIT<br>CONSTRUCTION DETAIL D-41 SECTION 163, 800<br>SYMBOL<br>Co |  | A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS.<br>ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT. |
| Dc-A | STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM<br>SECTION 163<br>LINE CODE<br>—D——D——D—Dc-A—D——D——D— |  | A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdi-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps.<br>THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.<br>CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE. |

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

| REVISION DATES | | |
|---|---|---|
| 3/2/2017 | | |

**EROSION CONTROL LEGEND**
UNIFORM CODE SHEET
SHEET 3 OF 7

| CHECKED: | D. EAGLETON | DATE: | 01/01/16 | DRAWING No. |
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| BACKCHECKED: | | DATE: | | 52-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

7/31/2015 GPLN

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
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CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL LEGEND
SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 52-003

1/5/2009 GPLN

3/2/2017 11:10:01 AM GPLOT-V8 EC-L(sheets 1-7).dgn P.I. No.
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| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Dc-B | STREAM DIVERSION CHANNEL GEOTEXTILE ONLY<br>SECTION 163<br>LINE CODE<br>—D——D——D—(Dc-B)—D——D——D— | | A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps.<br>THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.<br>CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE. |
| Dc-C | STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE<br>SECTION 163<br>LINE CODE<br>—D——D——D—(Dc-C)—D——D——D— | | A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps.<br>THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.<br>CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE. |
| Dl-1 | DIVERSION BERM<br>CONSTRUCTION DETAIL D-47 SECTION 205<br>LINE CODE<br>(Dl-1) | | A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1"OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS. |
| Dl-2 | DIVERSION CHANNEL<br>SECTION 205<br>LINE CODE<br>(Dl-2) | | A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP.<br>RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION. |
| Dn1 | TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163<br>LINE CODE<br>—T——T——T—(Dn1)—T——T——T— | | A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'.<br>THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Dn2-A | PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441<br>LINE CODE<br>(Dn2-A) | | A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA). |
| Dn2-B | PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441<br>LINE CODE<br>(Dn2-B) | | A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA). |
| Dn2-1 | PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577<br>LINE CODE<br>(Dn2-1) | | CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS. ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA). |
| Dn2-2 | PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577<br>LINE CODE<br>(Dn2-2) | | CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB. IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA). |

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017

**EROSION CONTROL LEGEND**
UNIFORM CODE SHEET
SHEET 4 OF 7

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| CHECKED: | D. EAGLETON | DATE: | 01/01/16 |
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| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 52-0004

7/31/2015 GPLN

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

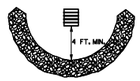
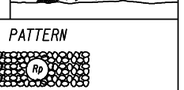
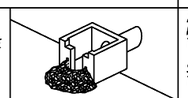
REVISION DATES

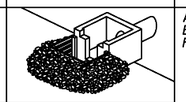
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL LEGEND
SANDY SPRINGS CIRCLE
STREETSCAPE

DRAWING No. 52-004

1/5/2009 GPLN

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Fr | FILTER RING<br>CONSTRUCTION DETAIL D-46 SECTION 163<br>SYMBOL: Fr |  | A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE. |
| Rd | ROCK FILTER DAM<br>CONSTRUCTION DETAIL D-43 SECTION 163, 603<br>SYMBOL: Rd | | ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS.<br>THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS.<br>ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs. |
| Rd-B | STONE FILTER BERM<br>CONSTRUCTION DETAIL D-50 SECTION 163, 603<br>LINE CODE: —Rd-B— | | STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS.<br>STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE. |
| Rp | RIP-RAP<br>SECTION 603<br>PATTERN: Rp |  | RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS.<br>RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS. |
| Rt-P | RETROFITTING PERFORATED HALF-ROUND PIPE<br>CONSTRUCTION DETAIL D-44 SECTION 163<br>SYMBOL: Rt-P |  | A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER.<br>SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA.<br>SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Rt-B | RETROFITTING SLOTTED BOARD DAM<br>CONSTRUCTION DETAIL D-45 SECTION 163<br>SYMBOL: Rt-B |  | A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER.<br>PERMANENT STORMWATER DETENTION POND OUTLET:<br>-DRAINAGE AREA UP TO 100 ACRES<br>-DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA<br>ROADWAY DRAINAGE STRUCTURE:<br>-OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. |
| Rt-Sg1<br>Rt-Sg2<br>Rt-Sg3 | RETROFITTING SILT CONTROL GATES<br>CONSTRUCTION DETAIL D-20 SECTION 163<br>SYMBOL: Rt-Sg1 Rt-Sg2 Rt-Sg3 | | A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA.<br>DO NOT USE SILT GATES IN STATE WATERS.<br>Rt-Sg1=TYPE 1: USED ON BOX CULVERTS<br>Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS<br>Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS |
| Sdi-NS | SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A<br>CONSTRUCTION DETAIL D-24 SECTION 171<br>LINE CODE: —A——A——A—Sdi-NS—A——A——A— | | SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW.<br>TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'.<br>IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE. |
| Sdi-S | SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C<br>CONSTRUCTION DETAIL D-24 SECTION 171<br>LINE CODE: —C——C——C—Sdi-S—C——C——C— | | SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW.<br>TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER.<br>ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS.<br>IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE. |

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES
3/2/2017

**EROSION CONTROL LEGEND**
UNIFORM CODE SHEET
SHEET 5 OF 7

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| CHECKED: | D. EAGLETON | DATE: | 01/01/16 |
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| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 52-0005



Michael Baker INTERNATIONAL

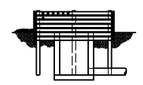
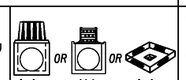
SANDY SPRINGS GEORGIA

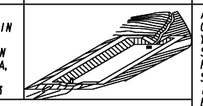
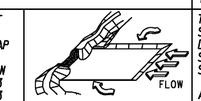
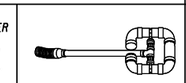
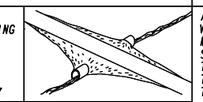
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL LEGEND
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 52-005

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Sd1-BB | SEDIMENT BARRIER BRUSH BARRIER<br>CONSTRUCTION DETAIL D-24B SECTION 201<br>LINE CODE<br>* * * Sd1-BB * * * | | THIS ITEM CONSISTS OF INTERWINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS.<br>TYPICALLY NOT SHOWN ON PLANS.<br>PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE. |
| Sd2-B | INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163<br>SYMBOL<br>Sd2-B |  | BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER. |
| Sd2-Bg | INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163<br>SYMBOL<br>Sd2-Bg | | BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs. |
| Sd2-F | INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163<br>SYMBOL<br>Sd2-F |   | (a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN.<br>(b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN.<br>(c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%.<br>THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs. |
| Sd2-G | INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163<br>SYMBOL<br>Sd2-G | | GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Sd3 | TEMPORARY SEDIMENT BASIN<br>CONSTRUCTION DETAIL D-22A, D-22B SECTION 163<br>SYMBOL<br>Sd3 |  | A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS.<br>SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. |
| Sd4-C | ROCK OUTLET TEMPORARY SEDIMENT TRAP<br>CONSTRUCTION DETAIL D-53 SECTION 163<br>SYMBOL<br>Sd4-C |   | TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET.<br>A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. |
| Sk | FLOATING SURFACE SKIMMER<br>CONSTRUCTION DETAIL D-22A, D-22B SECTION 163<br>SYMBOL<br>Sk |  | A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS.<br>SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION. |
| Sr | TEMPORARY STREAM CROSSING<br>SECTION 107<br>SYMBOL<br>Sr |  | A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN.<br>THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".<br>FOR CONTRACTOR'S USE ONLY! |

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017
11/28/2018

**EROSION CONTROL LEGEND**
UNIFORM CODE SHEET
SHEET 6 OF 7

| CHECKED: | D. EAGLETON | DATE: 01/01/16 | DRAWING No. |
|---|---|---|---|
| BACKCHECKED: | | DATE: | 52-0006 |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

7/31/2015 GPLN

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

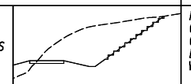
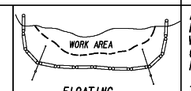
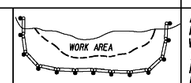
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL LEGEND
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 52-006

1/5/2009 GPLN

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| St | STORM DRAIN OUTLET PROTECTION<br>GA. STD. 1125 & 2332 | SYMBOL St | A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM.<br>IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER. |
| St-Rp | STORM DRAIN OUTLET PROTECTION (RIP-RAP)<br>CONSTRUCTION DETAIL D-55 SECTION 603 | PATTERN<br>FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL | RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED.<br>TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS. |
| Su | SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205 |  LINE CODE<br>Su | PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER.<br>IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS.<br>IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED. |
| Tc-F | TURBIDITY CURTAIN FLOATING<br>CONSTRUCTION DETAIL D-51 SECTION 170 |   FLOATING<br>LINE CODE<br>Tc-F | A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER.<br>THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs.<br>IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN. |
| Tc-S | TURBIDITY CURTAIN STAKED<br>CONSTRUCTION DETAIL D-51 SECTION 170 |   STAKED<br>LINE CODE<br>Tc-S | A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER.<br>THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs.<br>IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES
3/2/2017

**EROSION CONTROL LEGEND**
UNIFORM CODE SHEET
SHEET 7 OF 7

| | | | |
|---|---|---|---|
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 52-0007



Michael Baker INTERNATIONAL

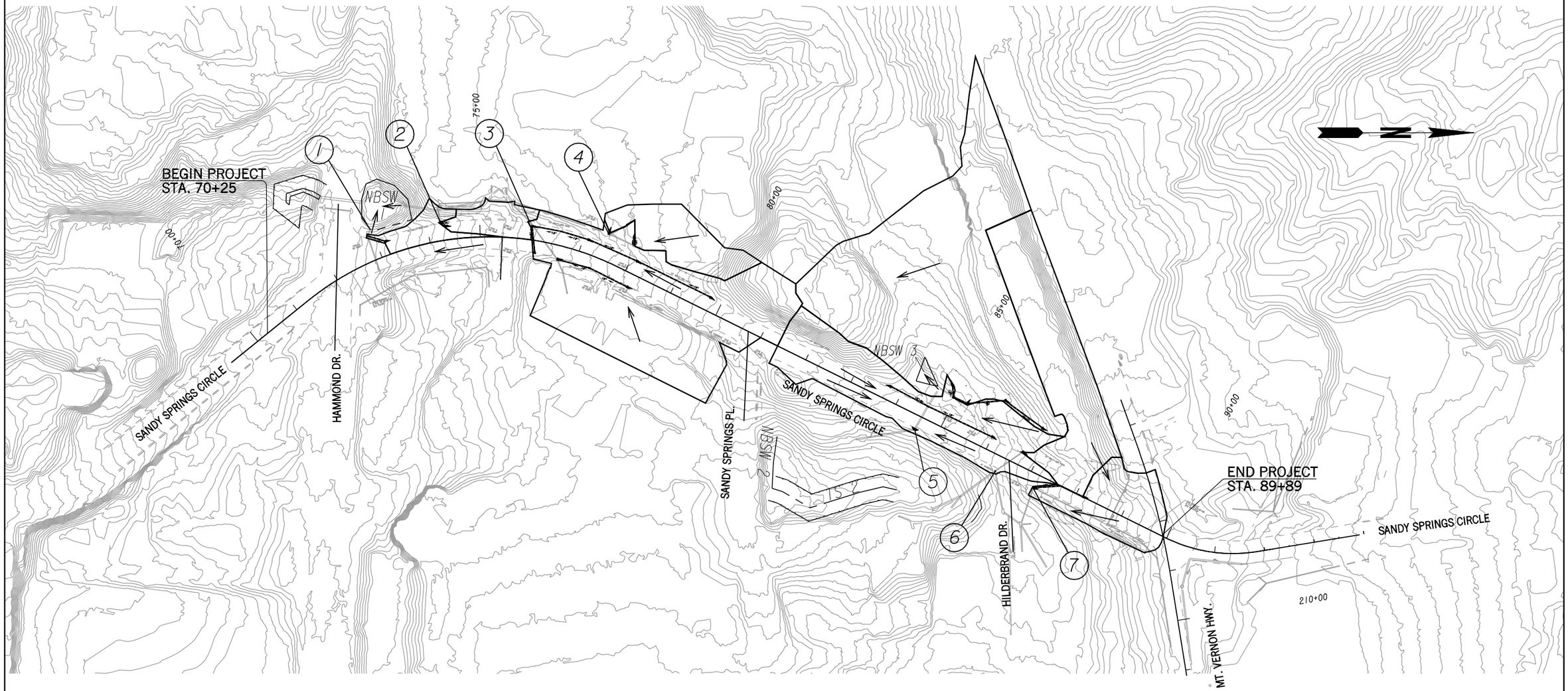
SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL LEGEND
SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 52-007




| Outfall | STATION | OFFSET | STRUCTURE TYPE | CD PIPE SIZE (in) | DRAINAGE AREA (AC) | DISTURB AREA (AC) | RECEIVING WATER | Tc | PRE C | POST C | PRE Q50 (cfs) | POST Q50 (cfs) | PRE Q100 (cfs) | POST Q100 (cfs) | PRE VEL50 (ft/s) | POST VEL50 (ft/s) | PRE VEL100 (ft/s) | POST VEL100 (ft/s) | SKEW ANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 72+98 | 60' LT | FES | 24 | 0.197 | 0.072 | Long Island Creek | 10 | 0.76 | 0.71 | 1.19 | 1.10 | 1.29 | 1.20 | 4.73 | 4.62 | 4.84 | 4.74 | 45 |
| 2 | 74+26 | 38' LT | MH | 18 | 0.229 | 0.128 | Long Island Creek | 10 | 0.77 | 0.76 | 1.39 | 1.37 | 1.52 | 1.49 | 5.27 | 5.25 | 5.41 | 5.38 | N/A |
| 3 | 75+93 | 37' LT | MH | 18 | 1.462 | 0.708 | Long Island Creek | 10 | 0.63 | 0.70 | 7.32 | 7.93 | 7.97 | 8.63 | 10.92 | 11.16 | 11.17 | 11.41 | N/A |
| 4 | 77+42 | 53' LT | JB | 18 | 0.517 | 0.011 | Long Island Creek | 10 | 0.78 | 0.78 | 3.76 | 4.10 | 3.76 | 4.10 | 9.60 | 9.83 | 9.60 | 9.83 | N/A |
| 5 | 84+56 | 28' RT | CB | 30 | 1.408 | 0.996 | Long Island Creek | 10 | 0.66 | 0.71 | 8.88 | 9.82 | 9.67 | 10.69 | 9.15 | 11.83 | 11.78 | 12.13 | N/A |
| 6 | 86+35.50 | 31' RT | MH | 18 | 1.328 | 0.182 | Long Island Creek | 10 | 0.54 | 0.54 | 5.65 | 5.70 | 6.15 | 6.21 | 13.39 | 13.42 | 13.72 | 13.75 | N/A |
| 7 | 87+18 | 28' RT | CB | 18 | 0.610 | 0.211 | Long Island Creek | 10 | 0.32 | 0.41 | 1.40 | 1.91 | 1.53 | 2.08 | 8.41 | 9.23 | 8.64 | 9.46 | N/A |

TOTAL PROJECT AREA = 6.25 AC
TOTAL DISTURBED AREA = 2.31 AC

NOTE: SEE CONSTRUCTION RESTRICTIONS IN THE "ENVIRONMENTAL RESOURCES IMPACT TABLE" IN THE GENERAL NOTES ON ALL FEATURES DELINEATED WITH ESA INVERTED SAW-TOOTHED LINES.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 100 200 400

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

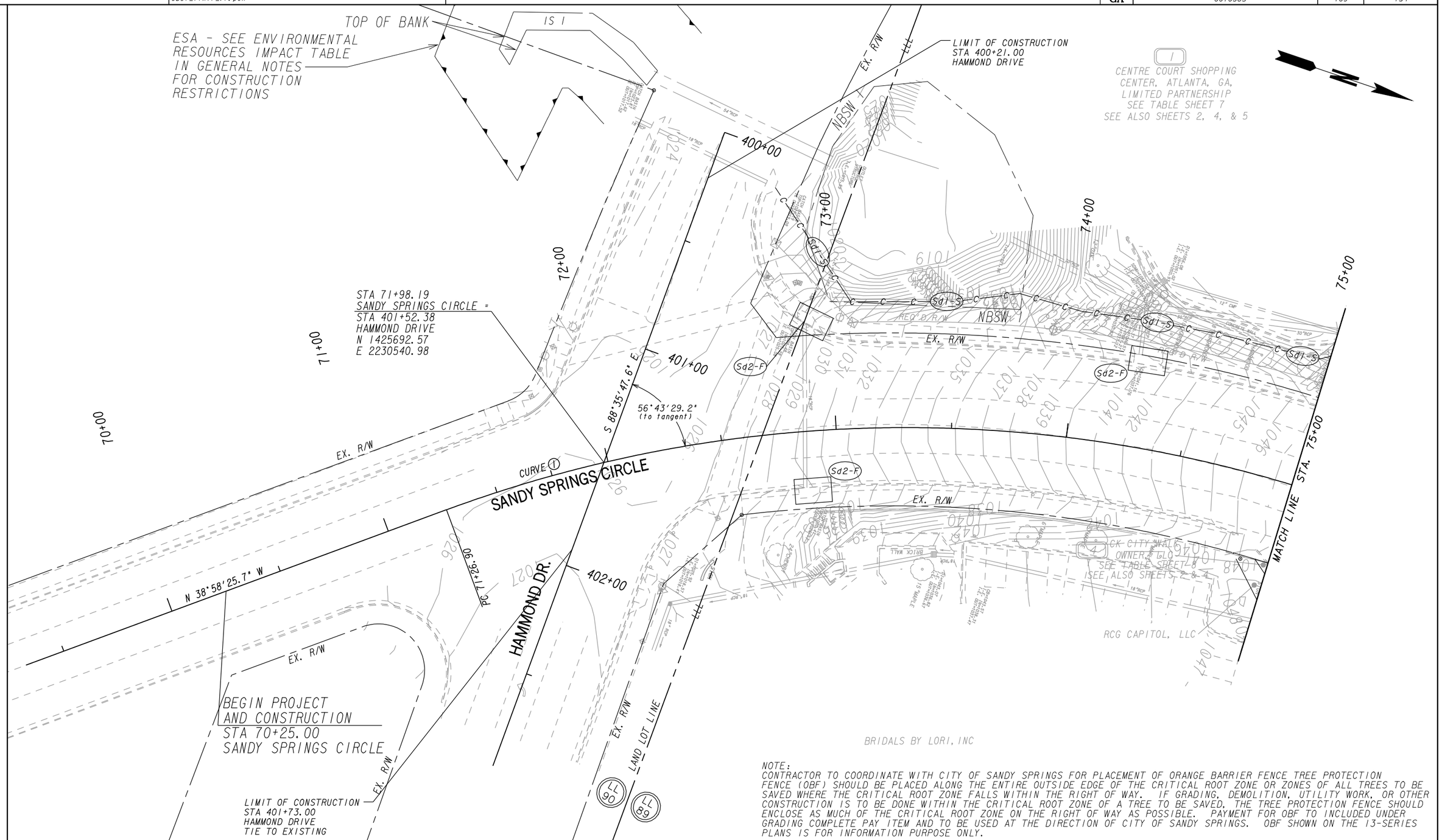
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

ESPCP DRAINAGE AREA MAP

SANDY SPRINGS CIRCLE STREETSCAPE

DRAWING No. 53-001

1/5/2009 GPLN




NOTE:
CONTRACTOR TO COORDINATE WITH CITY OF SANDY SPRINGS FOR PLACEMENT OF ORANGE BARRIER FENCE TREE PROTECTION FENCE (OBF) SHOULD BE PLACED ALONG THE ENTIRE OUTSIDE EDGE OF THE CRITICAL ROOT ZONE OR ZONES OF ALL TREES TO BE SAVED WHERE THE CRITICAL ROOT ZONE FALLS WITHIN THE RIGHT OF WAY. IF GRADING, DEMOLITION, UTILITY WORK, OR OTHER CONSTRUCTION IS TO BE DONE WITHIN THE CRITICAL ROOT ZONE OF A TREE TO BE SAVED, THE TREE PROTECTION FENCE SHOULD ENCLOSE AS MUCH OF THE CRITICAL ROOT ZONE ON THE RIGHT OF WAY AS POSSIBLE. PAYMENT FOR OBF TO INCLUDED UNDER GRADING COMPLETE PAY ITEM AND TO BE USED AT THE DIRECTION OF CITY OF SANDY SPRINGS. OBF SHOWN ON THE 13-SERIES PLANS IS FOR INFORMATION PURPOSE ONLY.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

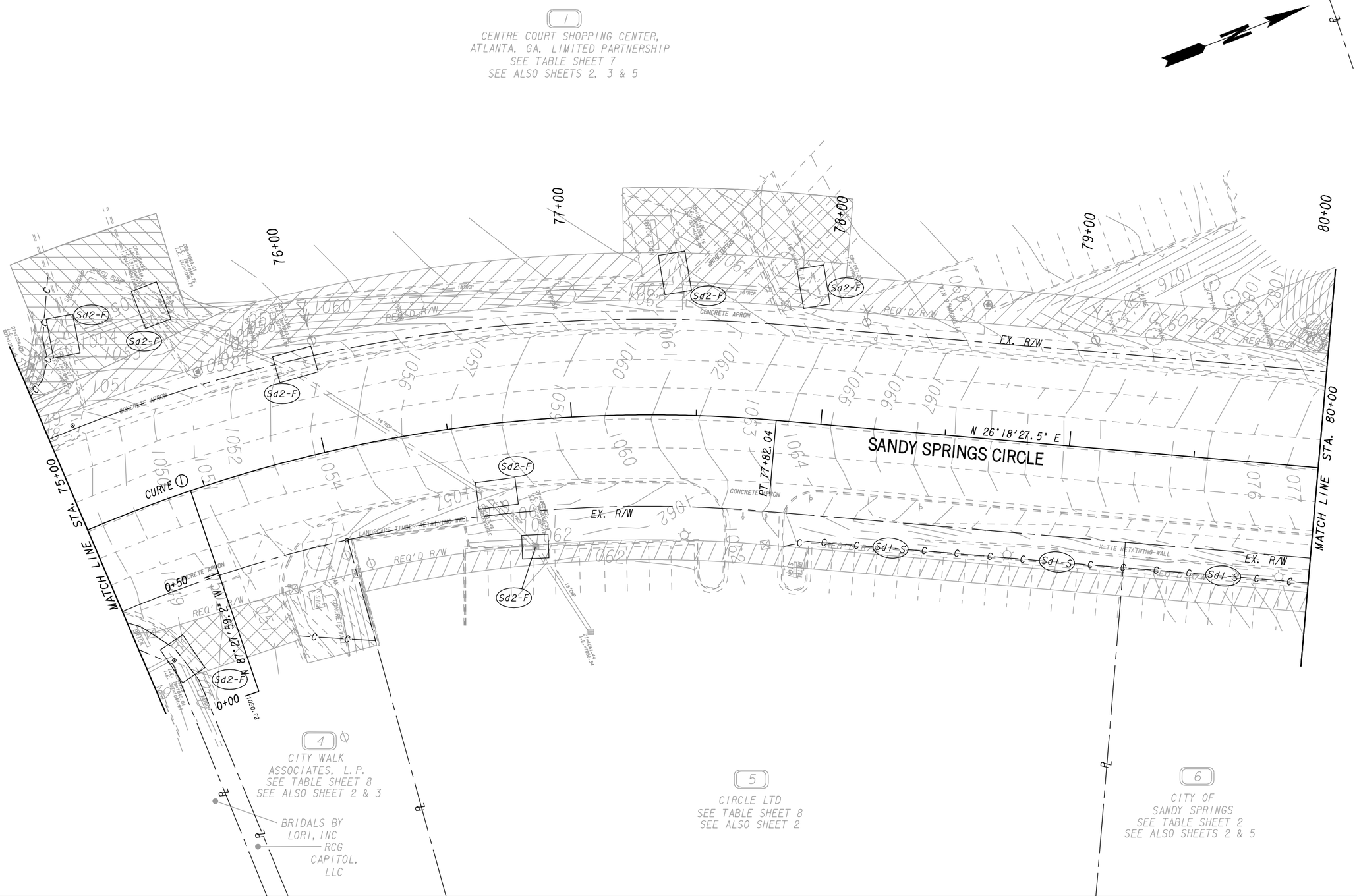
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS
INITIAL STAGE
SANDY SPRINGS CIRCLE
BEGIN PROJECT TO STA. 75+00

DRAWING No. 54-001

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

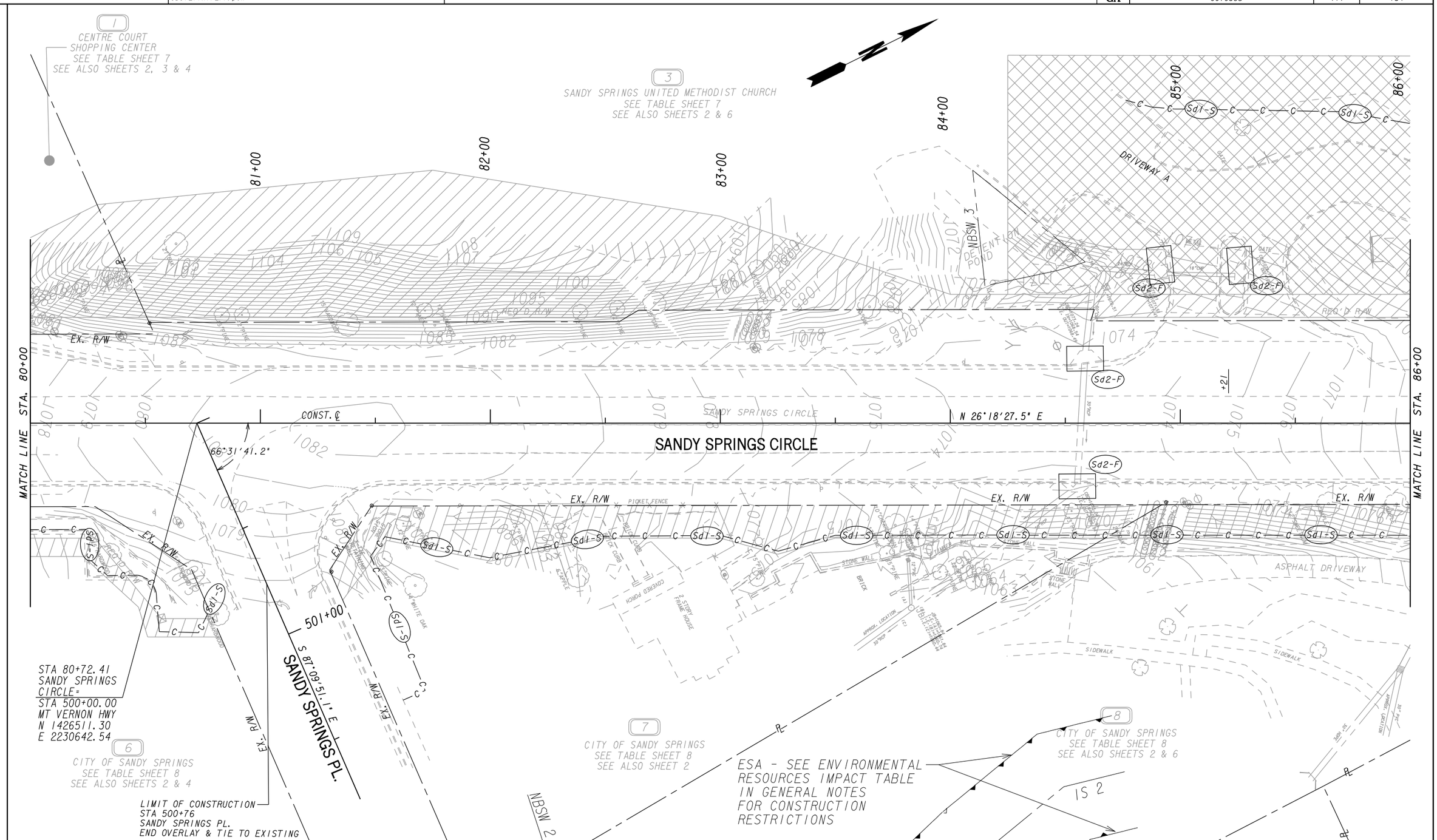
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# BMP LOCATION DETAILS INITIAL STAGE

SANDY SPRINGS CIRCLE
STA. 75+00 TO STA. 80+00

DRAWING No. 54-002

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

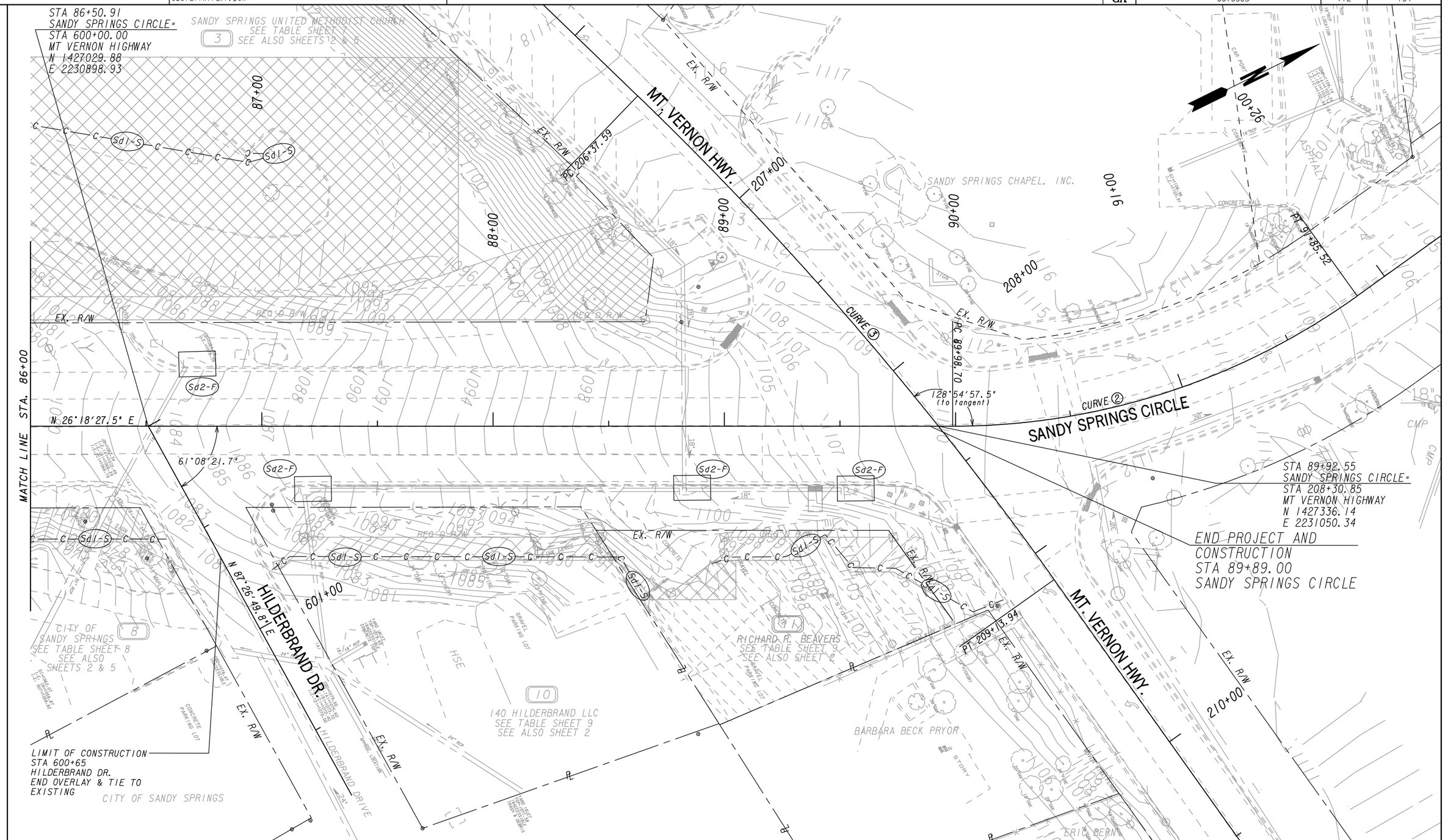
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# BMP LOCATION DETAILS INITIAL STAGE

SANDY SPRINGS CIRCLE
STA. 80+00 TO STA. 86+00

DRAWING No. 54-003

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

REVISION DATES

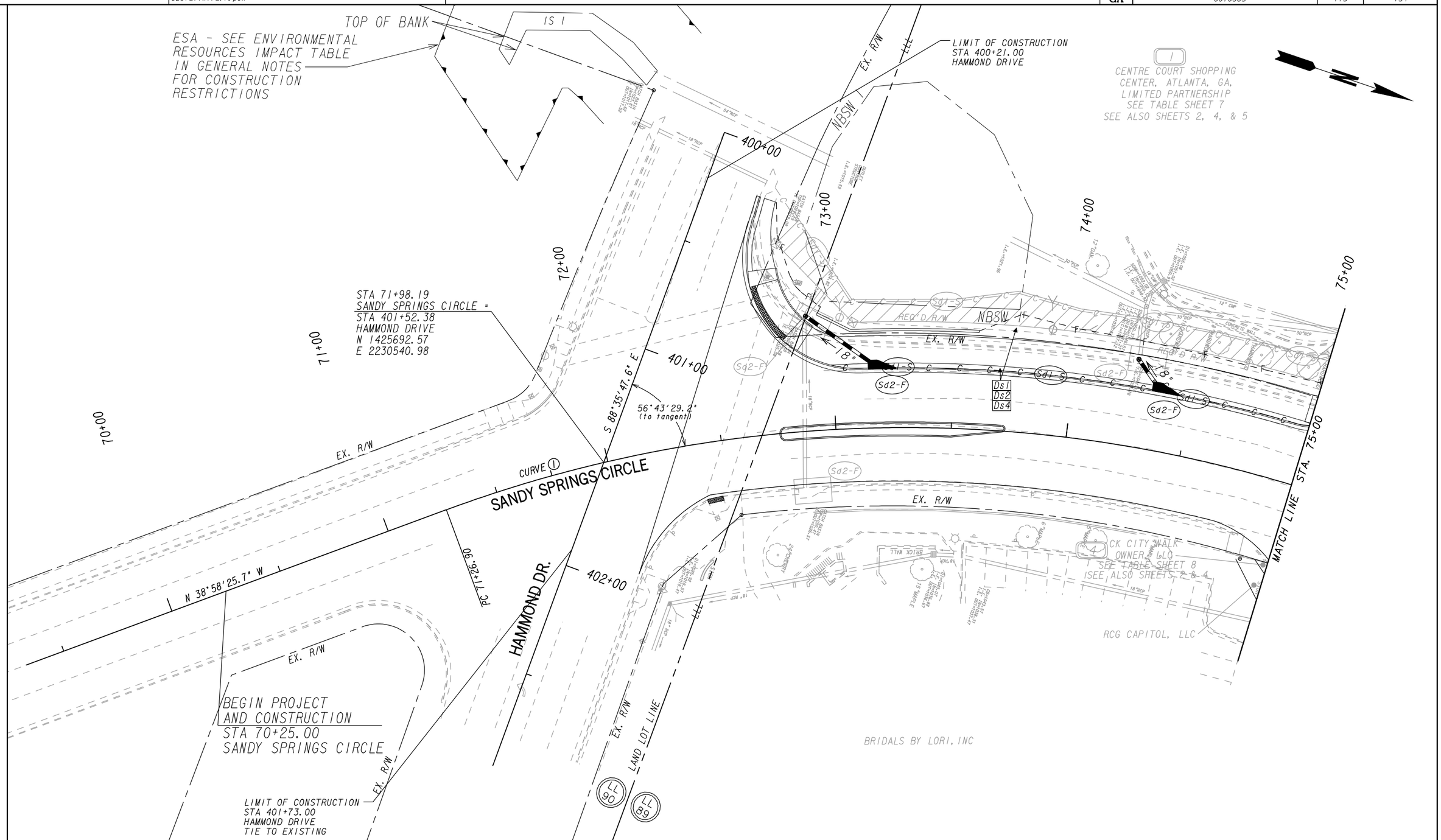
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# BMP LOCATION DETAILS INITIAL STAGE

SANDY SPRINGS CIRCLE
STA. 86+00 TO END PROJECT

DRAWING No. 54-004

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS — C — F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

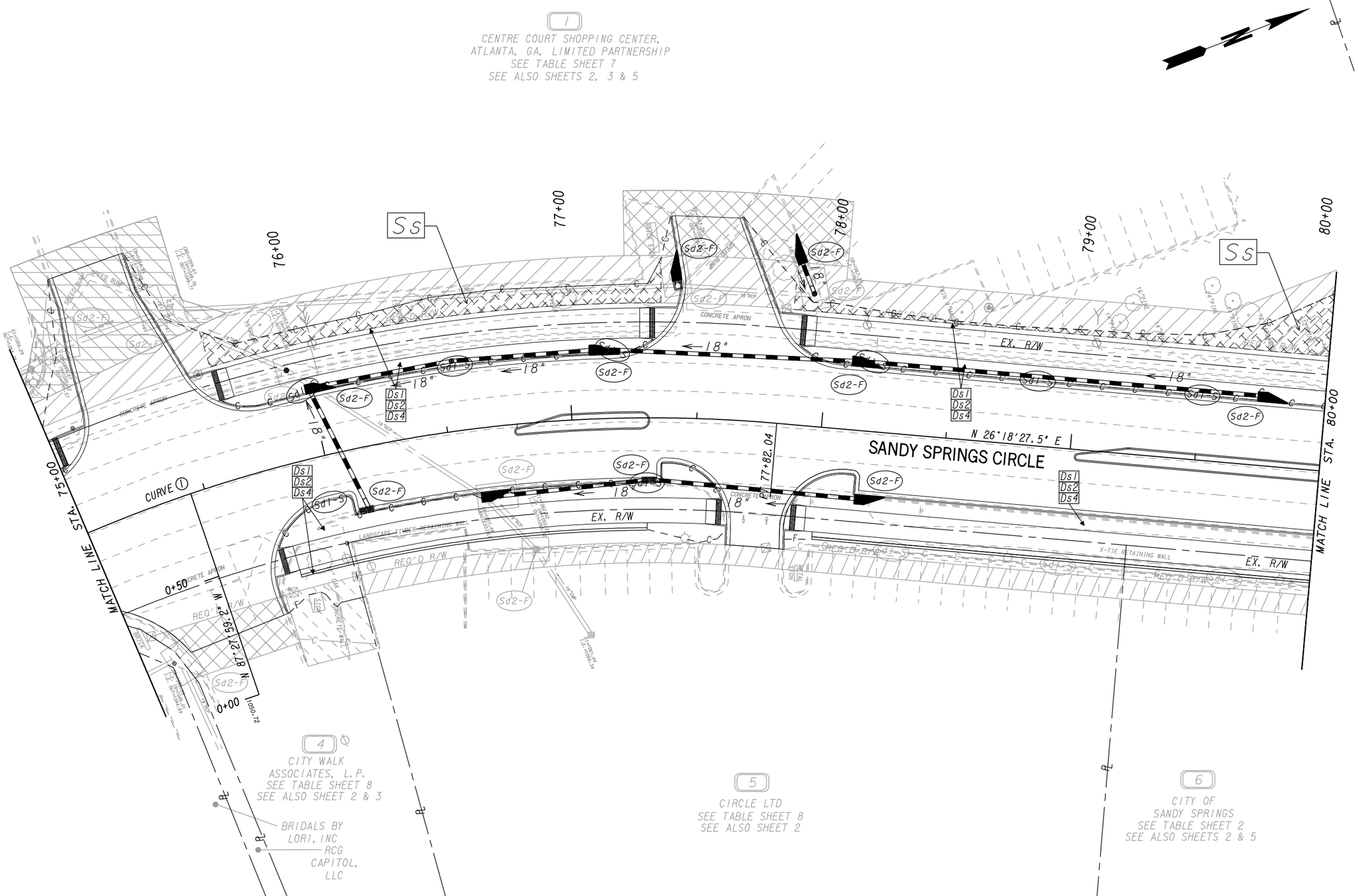
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# BMP LOCATION DETAILS INTERMEDIATE & FINAL STAGES

SANDY SPRINGS CIRCLE
BEGIN PROJECT TO STA. 75+00

DRAWING No. 54-005

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

REVISION DATES

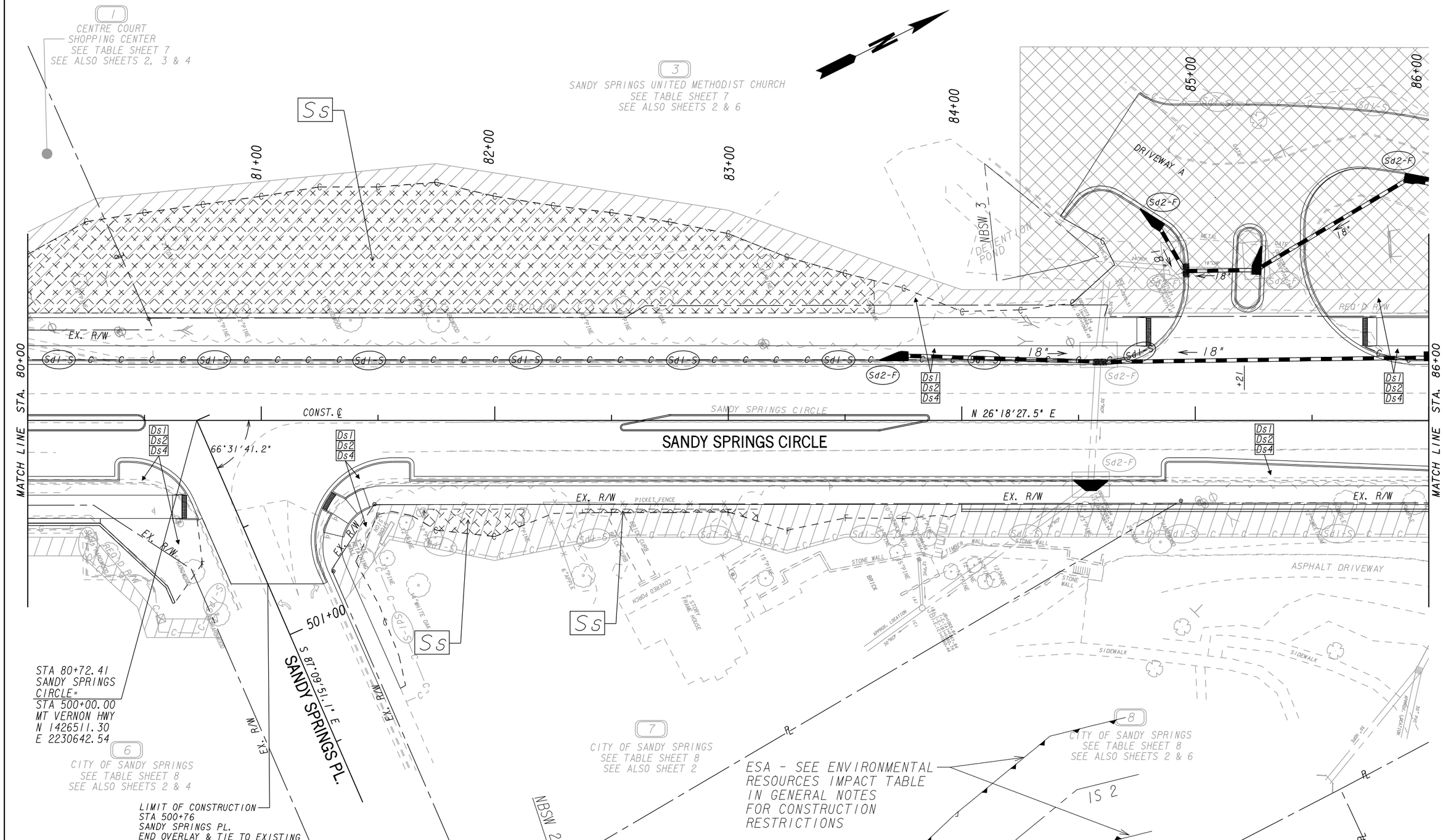
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# BMP LOCATION DETAILS INTERMEDIATE & FINAL STAGES

SANDY SPRINGS CIRCLE
STA. 75+00 TO STA. 80+00

DRAWING No. 54-006

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

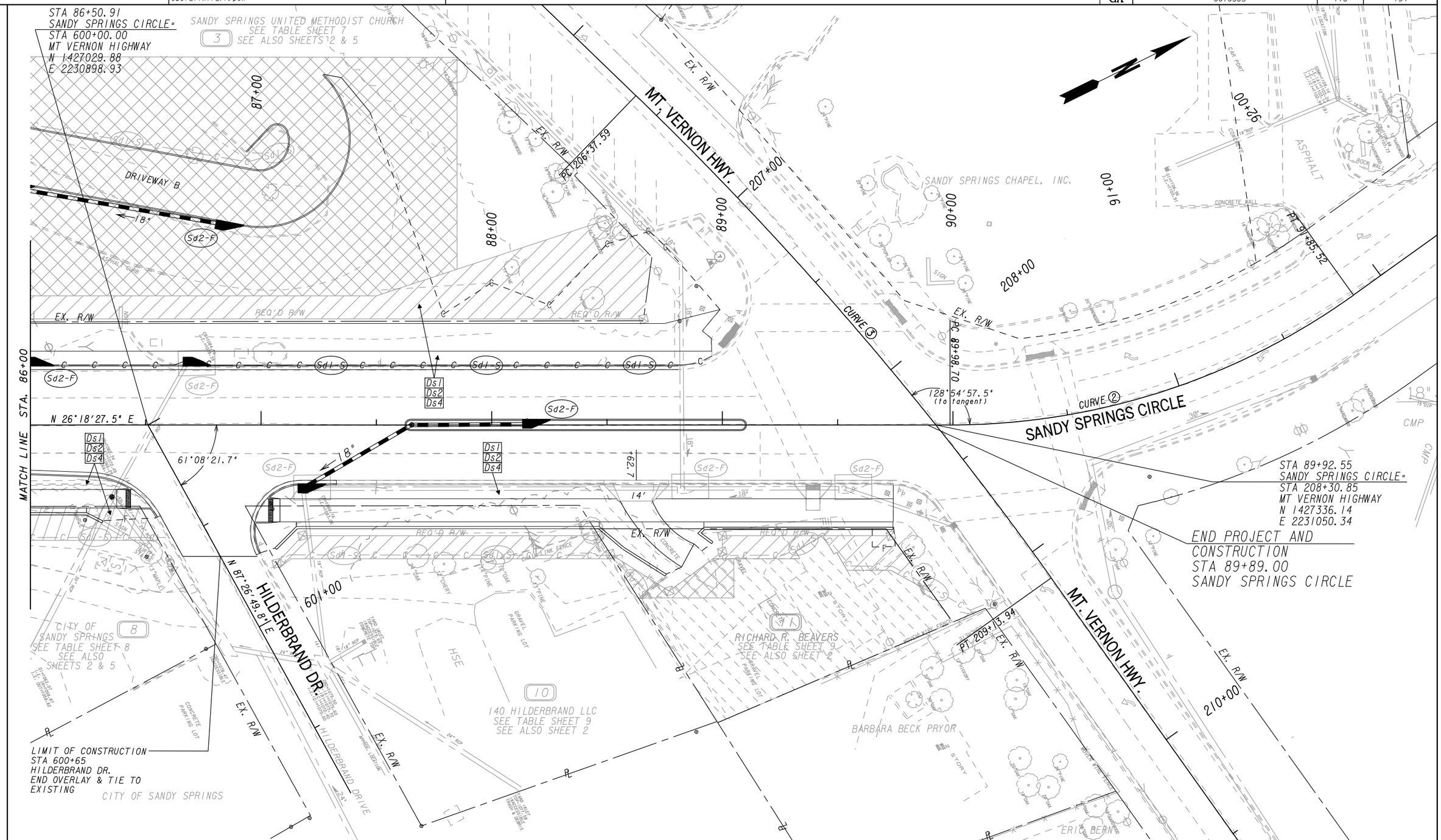
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# BMP LOCATION DETAILS INTERMEDIATE & FINAL STAGES

SANDY SPRINGS CIRCLE
STA. 80+00 TO STA. 86+00

DRAWING No. 54-007

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS — C — F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

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SANDY SPRINGS GEORGIA

| REVISION DATES | | |
|---|---|---|
| | | |

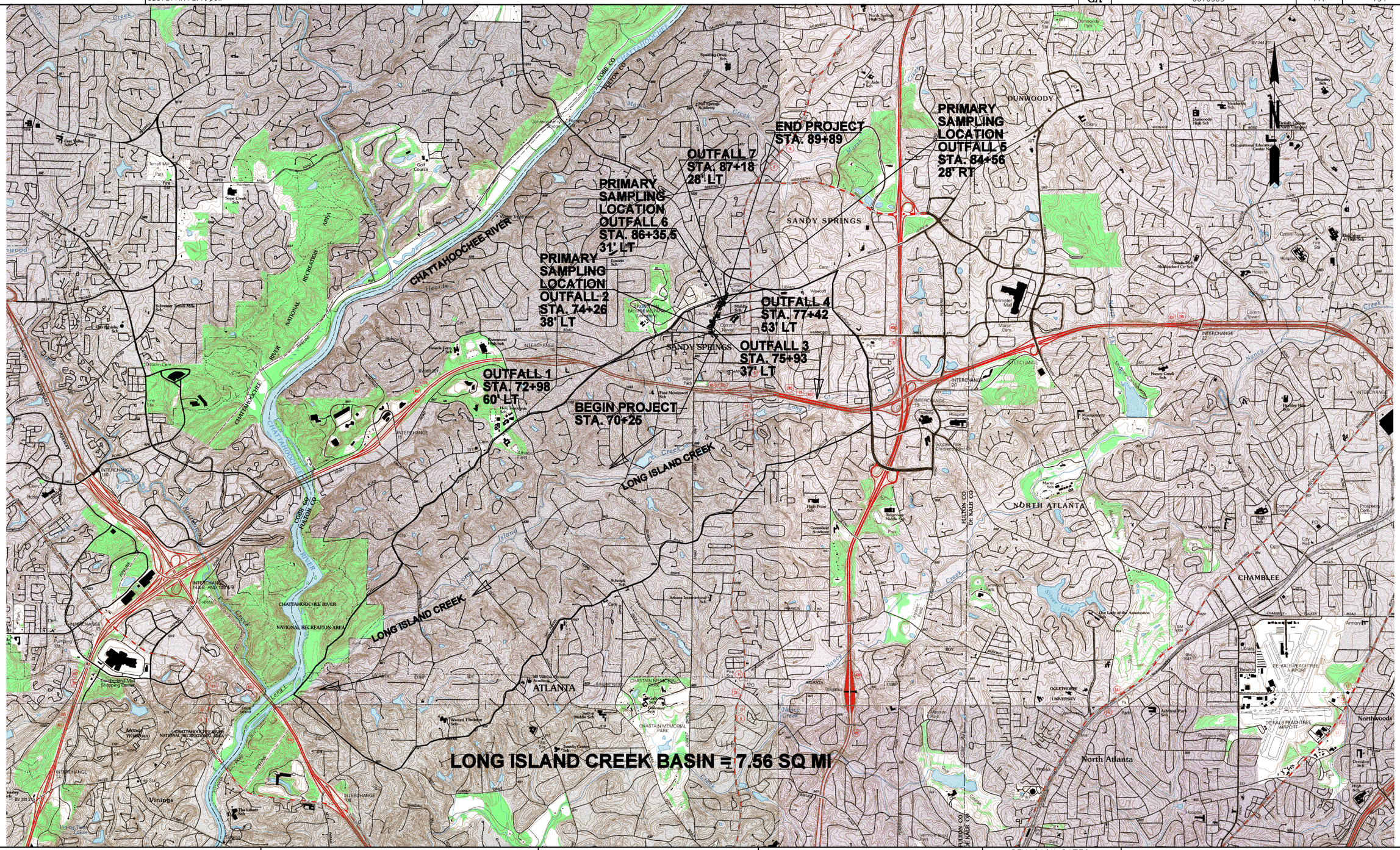
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

# BMP LOCATION DETAILS INTERMEDIATE & FINAL STAGES

SANDY SPRINGS CIRCLE
STA. 86+00 TO END PROJECT

DRAWING No. 54-008

1/5/2009 GPLN




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 2000 4000 8000

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REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

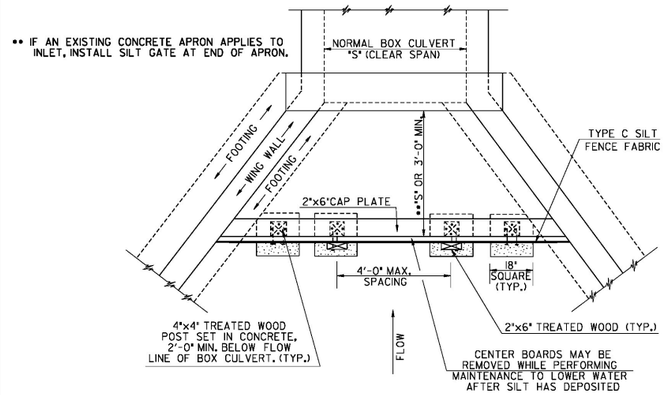
WATERSHED MAP
SITE MONITORING PLAN
SANDY SPRINGS CIRCLE

DRAWING No. 55-001

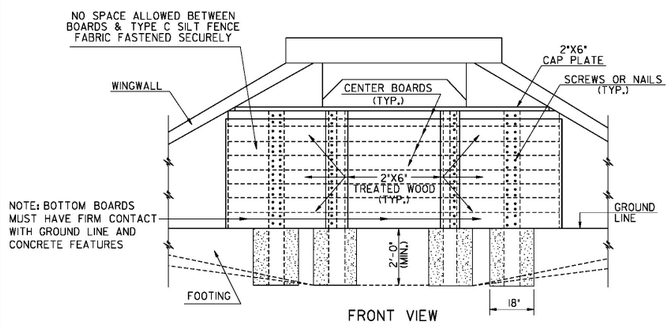
1/5/2009 GPLN

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

## TYPE 1- FOR BOX CULVERTS




TOP VIEW

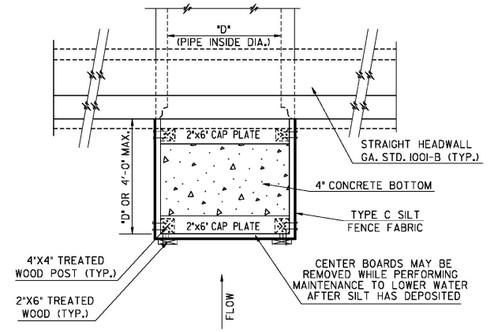



FRONT VIEW

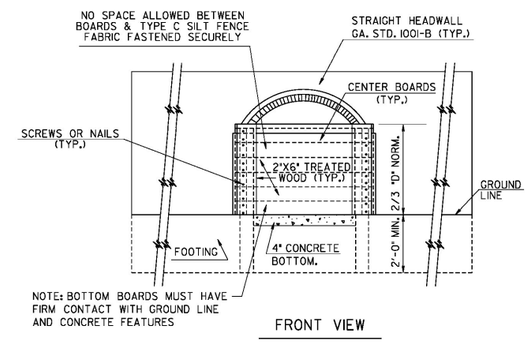
SILT CONTROL GATE TYPE 1 NOTES:

1. REFER TO GA. STD 2332 FOR CONCRETE APRONS.
2. SEE SECTION 163 FOR THE REMOVAL OF TYPE 1 SILT CONTROL GATES.

## TYPE 2 - FOR STRAIGHT HEADWALLS

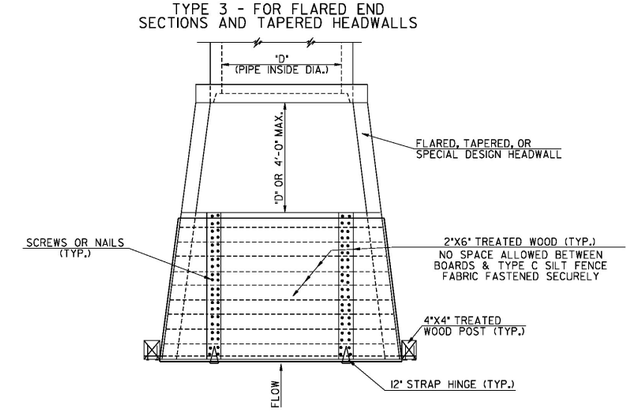



TOP VIEW

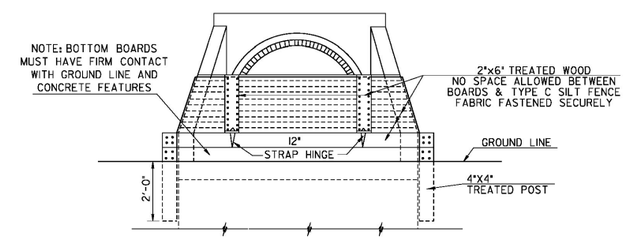



FRONT VIEW

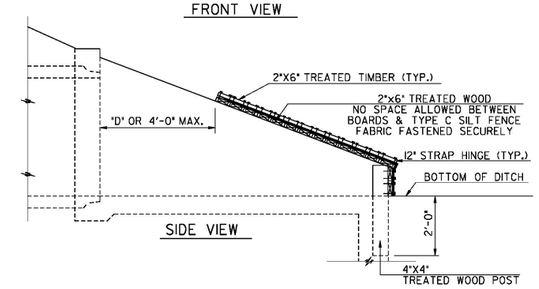
## TYPE 3 - FOR FLARED END SECTIONS AND TAPERED HEADWALLS




TOP VIEW




FRONT VIEW




SIDE VIEW

GENERAL NOTES:

1. A SILT CONTROL GATE IS A TEMPORARY STRUCTURE PLACED AT INLETS TO FORM A BASIN FOR TRAPPING SEDIMENT.
2. SILT GATES SHALL NOT BE USED ON STRUCTURES THAT CONVEY STATE WATERS.
3. SILT GATES SHALL ONLY BE USED ON DRAINAGE AREAS UP TO 50-ACRES WITH NO MORE THAN 5-ACRES DISTURBED WITHIN THE DRAINAGE AREA.
4. USE WOOD SCREWS OR NAILS TO CONNECT WOOD COMPONENTS WITH NO SPACE ALLOWED BETWEEN BOARDS. TYPE C SILT FENCE FABRIC MUST BE FASTENED SECURELY WITH STAPLES OR NAILS TO OUTSIDE FACE OF BOARDS AND COVERING ALL BUTT-JOINTS BETWEEN BOARDS. OVERLAP ADDITIONAL SILT FENCE FABRIC A MINIMUM OF 12-INCHES.
5. REMOVE SEDIMENT WHEN IT REACHES ONE-THIRD THE HEIGHT OF SILT CONTROL GATE AND SILT FENCE FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.

PAY ITEMS:

| | | |
|---|---|---|
| 163-0501 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1 | (EA) |
| 163-0502 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 2 | (EA) |
| 163-0503 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3 | (EA) |
| 165-0085 | MAINTENANCE OF SILT CONTROL GATE, TP 1 | (EA) |
| 165-0086 | MAINTENANCE OF SILT CONTROL GATE, TP 2 | (EA) |
| 165-0087 | MAINTENANCE OF SILT CONTROL GATE, TP 3 | (EA) |

| BY | REVISION | DATE |
|---|---|---|
| DLE | ADD. FABRIC & ADD. NOTES | 4-22-16 |
| TPC | ADD. & REV. SILT GATE NOTES | 1-19-11 |
| | REMOVE INLET SEDIMENT TRAP | |
| | REV. LUMBER SIZES | |
| GLO | REV. SPECIFICATION | 3-2-05 |
| MCR | ADDED PAYMENT NOTE | 10-22-02 |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3

NO SCALE

REV. & REDR. DEC., 2000

NUMBER D-20

Michael Baker INTERNATIONAL

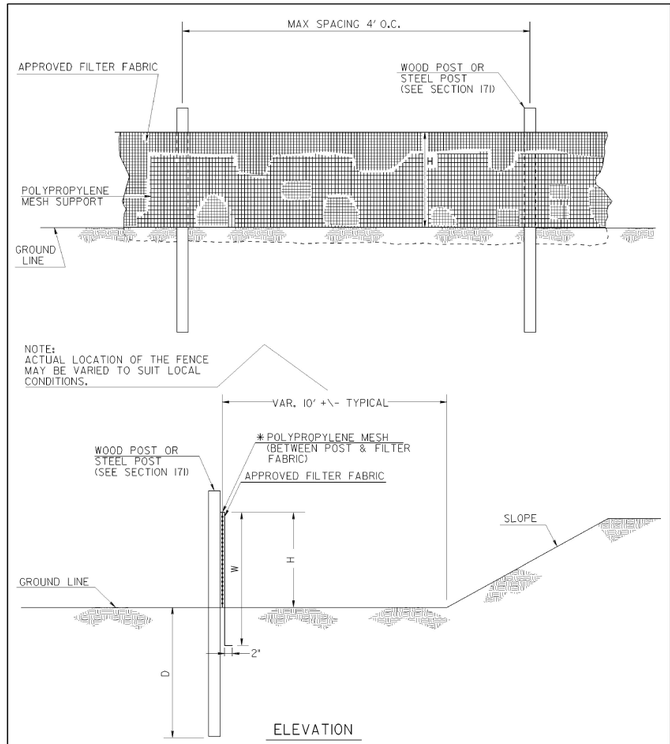
SANDY SPRINGS GEORGIA

REVISION DATES

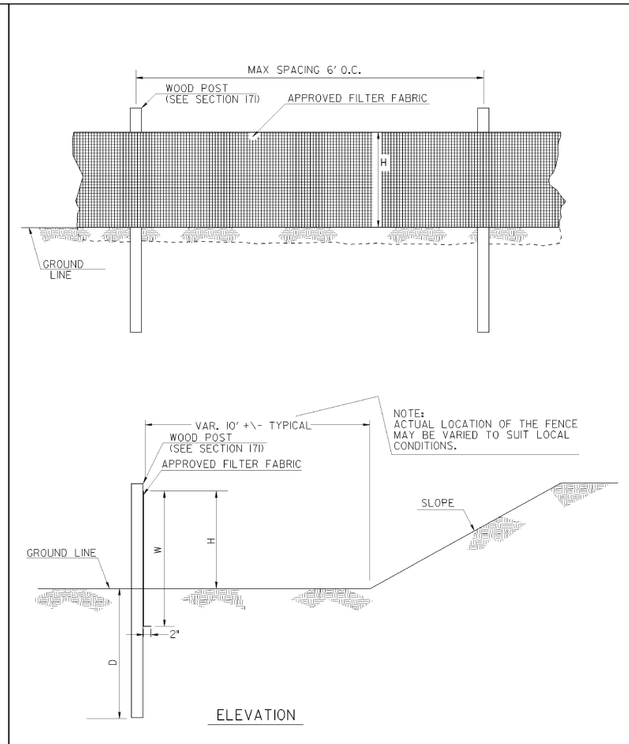
CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

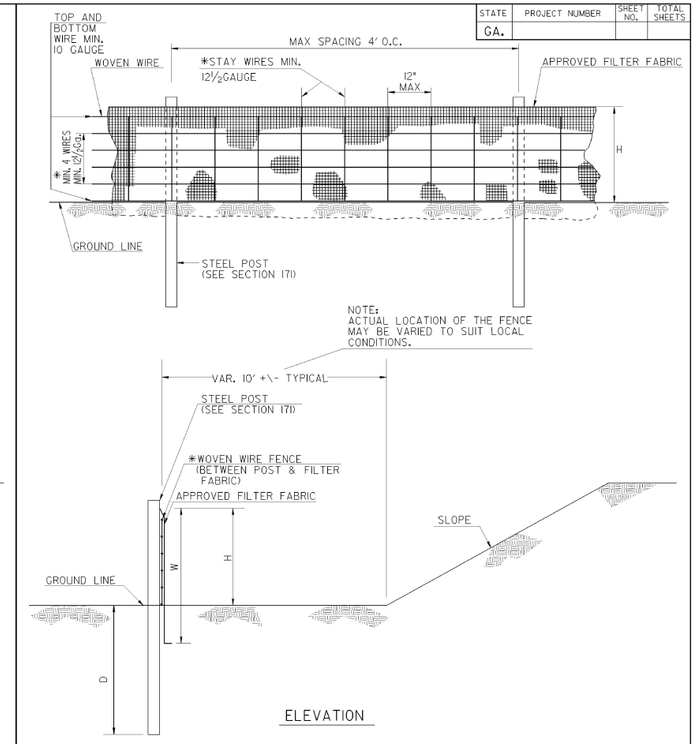
DRAWING No. 56-001




SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT




SINGLE ROW TYPE A SILT FENCE




SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

| FENCE TYPE | POST LENGTH | H | D | W | TYPICAL USES |
|---|---|---|---|---|---|
| TYPE "A" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | |
| TYPE "C" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D. |

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST 1/2 INCHES LONG AND A CROWN AT LEAST 3/4 INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG , WITH BUTTON HEADS AT LEAST 3/4 INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12½ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE OPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

| DATE | REVISION | BY |
|---|---|---|

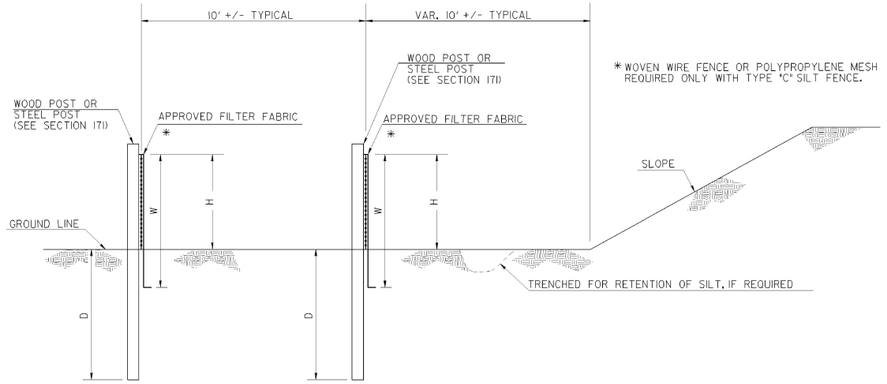
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

NO SCALE — REV. AND REDRAWN JAN. 2011

NUMBER D-24A (SHEET 1 OF 4)

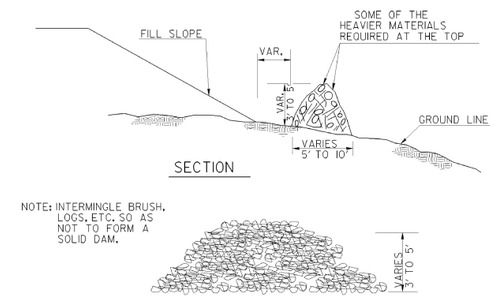



ELEVATION

DOUBLE ROW SILT FENCE

| FENCE TYPE | POST LENGTH | H | D | W | TYPICAL USES |
|---|---|---|---|---|---|
| TYPE "A" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | |
| TYPE "C" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D. |

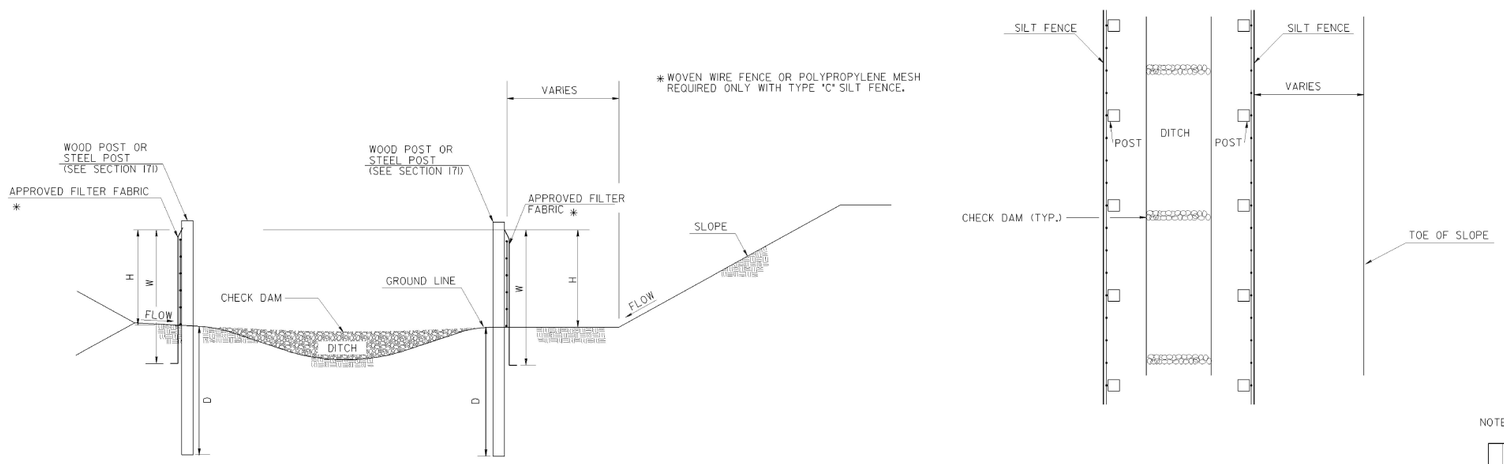
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| | | | |




FRONT VIEW

NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)




ELEVATION

PLAN

NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

| FENCE TYPE | POST LENGTH | H | D | W | TYPICAL USES |
|---|---|---|---|---|---|
| TYPE "A" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | |
| TYPE "C" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D. |

| REVISION | BY | DATE |
|---|---|---|
| | | |

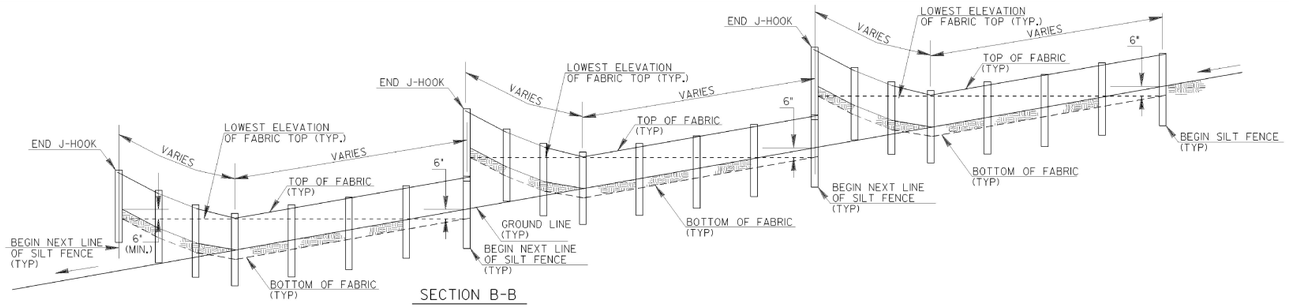
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

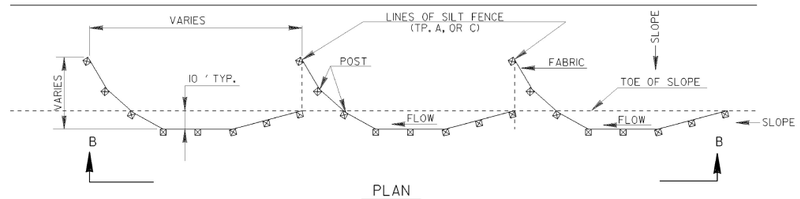
TEMPORARY SILT FENCE
BERM DITCH, INSTALLATION, BRUSH BARRIER

NO SCALE REV. AND REDRAWN JAN. 2011

NUMBER D-24B (SHEET 2 OF 4)

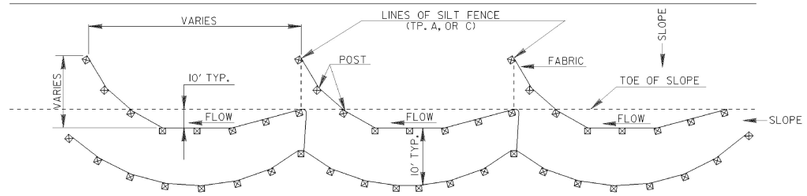



SECTION B-B




PLAN

SINGLE ROW SILT FENCE




PLAN

DOUBLE ROW SILT FENCE

| TYPICAL J HOOK SPACING | | |
|---|---|---|
| SLOPE PERCENT | TYPE OF SILT FENCE | MINIMUM SPACING (FEET) |
| 1% TO 2% | TYPE A | 100' ± |
| 2% TO 3% | TYPE A | 50' ± |
| 3% TO 4% | TYPE C | 50' ± |
| 4% TO 5% | TYPE C | 25' ± |

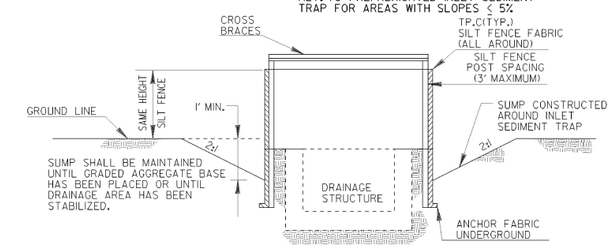
NOTE:

1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

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

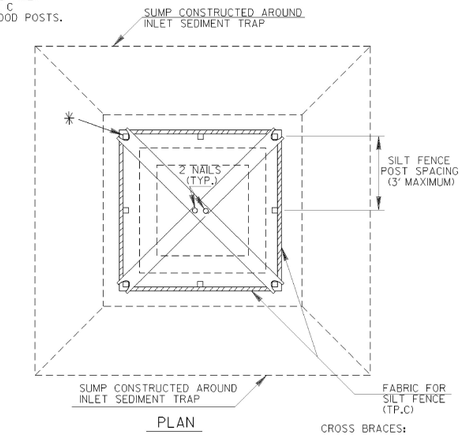
TYPICAL LOCATION AROUND DROP INLETS

ALT. TO PREFABRICATED INLET SEDIMENT TRAP FOR AREAS WITH SLOPES ≤ 5%




ELEVATION

✳ CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.




PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED 'TEMPORARY SILT FENCE DETAILS' FOR SILT FENCE ERECTION DETAILS.

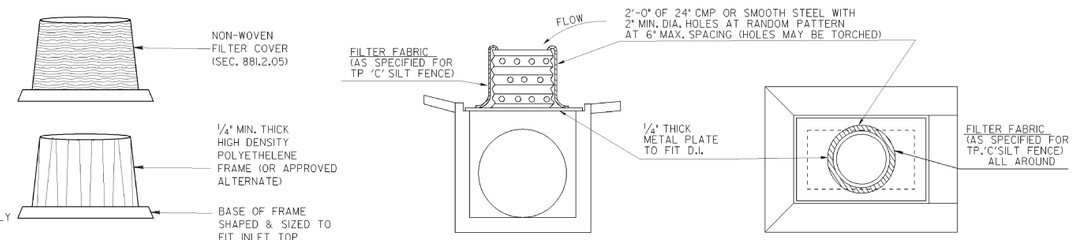
(PLASTIC ALTERNATE) (METAL ALTERNATE)

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL. #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.




SIDE VIEW

SIDE VIEW

TOP VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

INLET SEDIMENT TRAP - FOR DROP INLETS

| DATE | REVISION | BY |
|---|---|---|
| | | |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
J-HOOK, INLET SEDIMENT TRAPS

NO SCALE JANUARY 2011

NUMBER D-24C (SHEET 3 OF 4)



Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

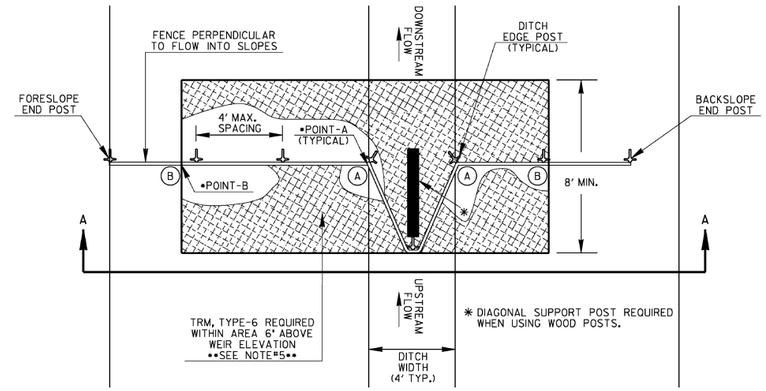
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL
CONSTRUCTION DETAILS

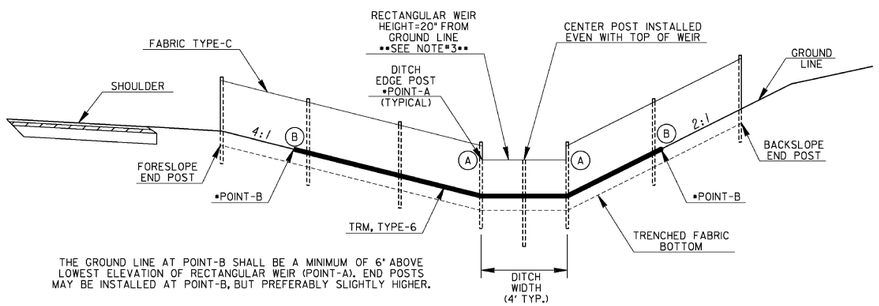
DRAWING No. 56-004

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




PLAN VIEW

| TYPICAL FABRIC CHECK DAM SPACING | |
|---|---|
| GRADE OF DITCH | MINIMUM SPACING (FEET) |
| LESS THAN 1% | 100' ± |
| 1% TO 3% | 75' ± |
| 3% TO 6% | 50' ± |
| 6% TO 8% | 25' ± |




THE GROUND LINE AT POINT-B SHALL BE A MINIMUM OF 6" ABOVE LOWEST ELEVATION OF RECTANGULAR WEIR (POINT-A). END POSTS MAY BE INSTALLED AT POINT-B, BUT PREFERABLY SLIGHTLY HIGHER.

SECTION A-A

NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4-FT FLAT BOTTOM DITCH. ACTUAL FABRIC CHECK DAMS SHALL BE INSTALLED SIMILARLY ACCORDING TO ROADWAY CROSS-SECTIONS.

NOTES:

1. FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.

2. FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.

3. FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 15-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.

4. THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:

   A) DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.

   B) CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.

   C) LAYOUT TURF REINFORCEMENT MATTING (TRM), TYPE-6 TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSTREAM OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL NECESSARY TRM SHALL BE OVERLAPPED 3-FT. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.

   D) INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.

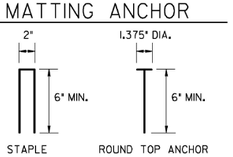
   E) PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.

   F) INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSTREAM TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED. HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.

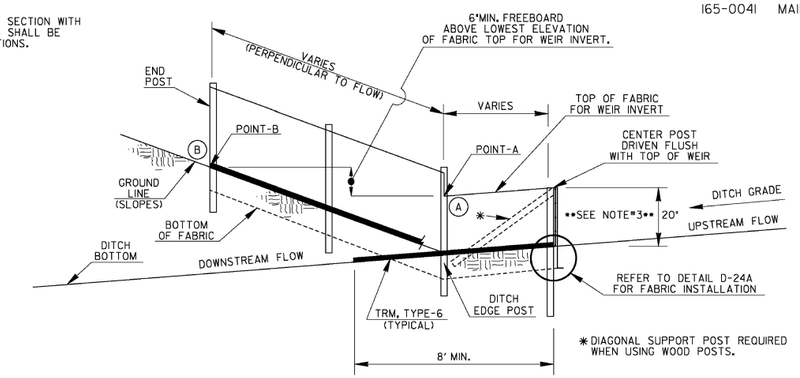
5. TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

PAY ITEMS:
163-0528 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

TURF REINFORCEMENT MATTING ANCHOR




NOTE: TURF REINFORCEMENT MATTING SHALL BE ANCHORED WITH 8-GAUGE METAL STAPLES OR ROUND TOP ANCHORS. ANCHORS SHALL BE LONG ENOUGH TO PROVIDE SUFFICIENT GROUND PENETRATION TO RESIST PULL OUT.




| DATE | REVISION | BY |
|---|---|---|
| | | |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
FABRIC CHECK DAM

NO SCALE REV. AND REDRAWN, JULY 2015

NUMBER D-24D (SHEET 4 OF 4)

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

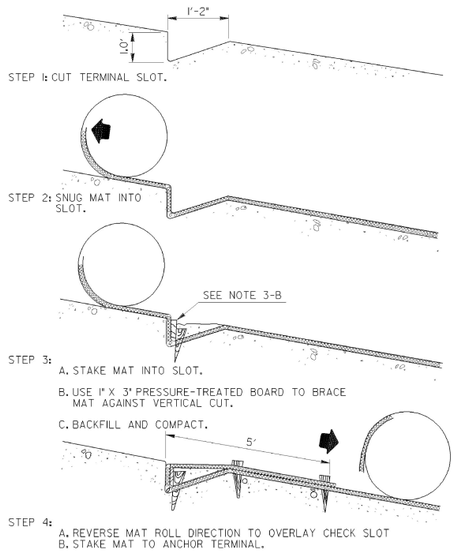
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

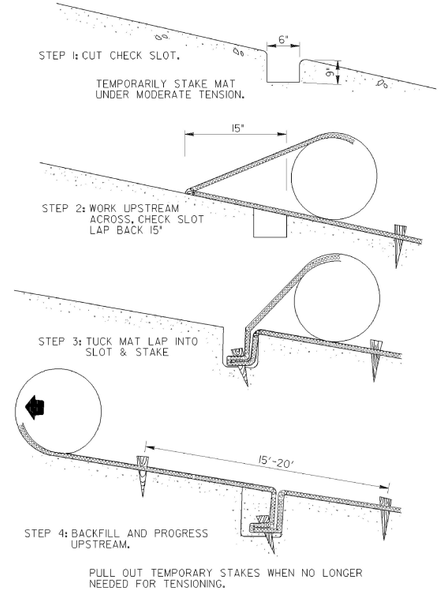
EROSION CONTROL
CONSTRUCTION DETAILS

DRAWING No. 56-005

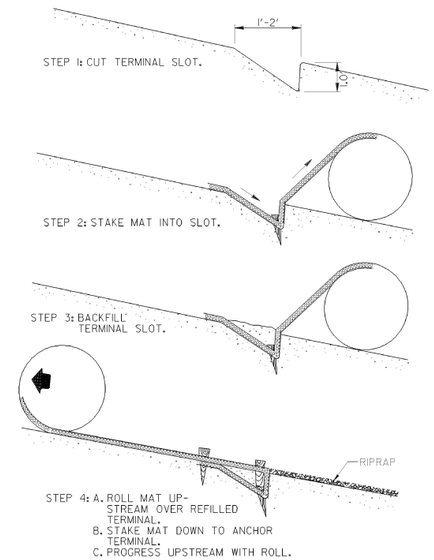
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |




UPSTREAM TERMINAL

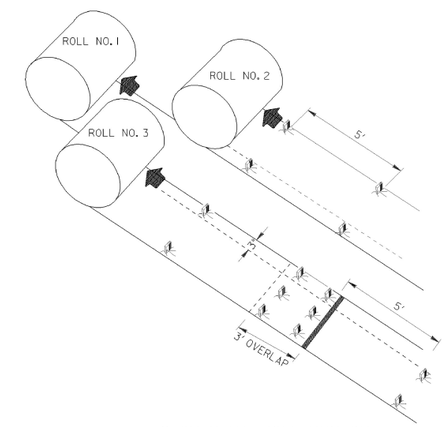



TRANSVERSE CHECK SLOT

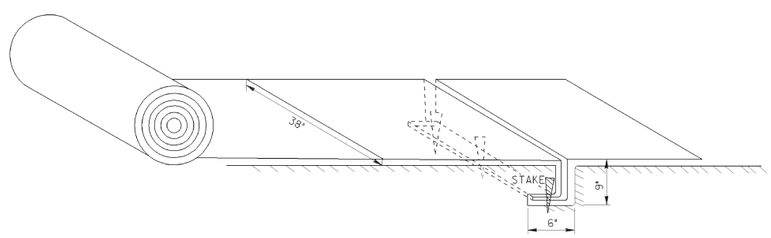



DOWNSTREAM TERMINAL

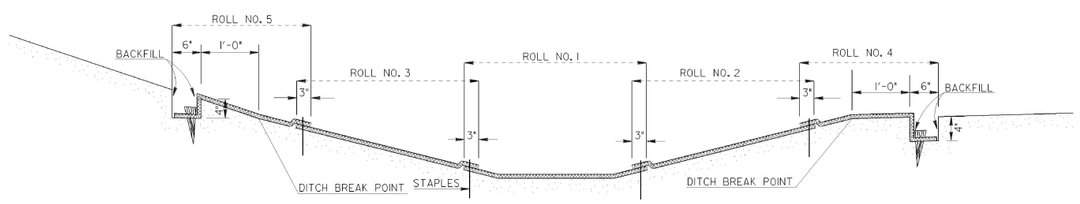
METAL MATTING - BLANKET STAPLE




SEQUENTIAL ROLL RUN OUT IN CHANNELS




PICTORAL VIEW OF TRANSVERSE SLOT




DITCH SECTION

NOTE: MAT TO BE PLACED ONE FEET ABOVE DITCH BREAK POINT OR ONE FOOT ABOVE THE 25 YEAR STORM.

GENERAL NOTES

1. INSTALLATION TO BE DONE AS PER MANUFACTURER'S RECOMMENDATIONS.
2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
5. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
6. USE 3" OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
7. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
8. METAL STAPLES MAY BE USED IN LIEU OF WOODEN STAKES.

| BY | REVISION | DATE |
|---|---|---|
| T.P.C. | REVISED SHEET LAYOUT & ADDED METAL STAPLE. ADDED DITCH SECTION. | 1-19-11 |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
PERMANENT SOIL REINFORCING MAT
(TURF REINFORCING MATS)
INSTALLATION ON DITCHES

NO SCALE — AUGUST 1988

Designed
Drawn
Traced
Checked

NUMBER D-35

1/18/2011 9:32:29 AM \\GDOT-DSN1\GOPLOT\GCF\GO_Klp8000.gcf gowens Y:\GARY\Rev. Construction Details\D-35\D-35.prf

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

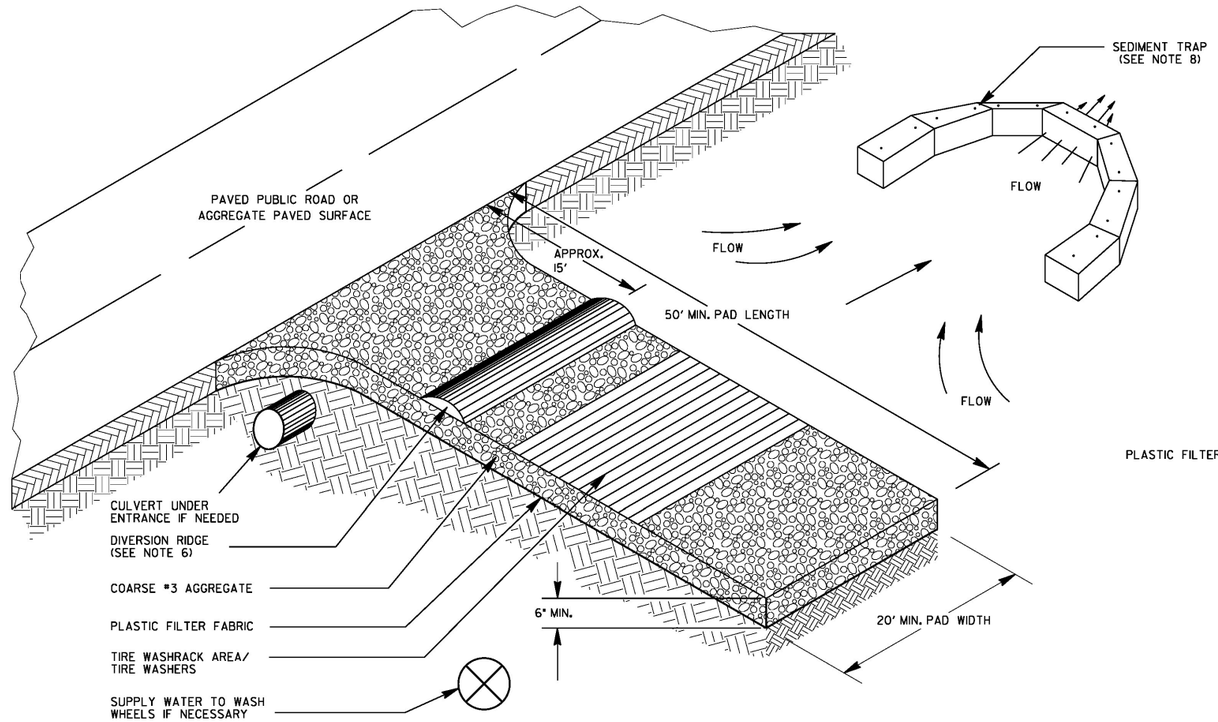
REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

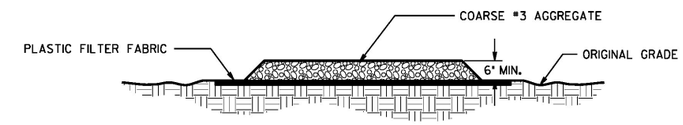
EROSION CONTROL
CONSTRUCTION DETAILS

DRAWING No. 56-006

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




## ENTRANCE ELEVATION




GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT 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 COARSE #3 AGGREGATE WITH 0.0% PASSING THE 1" U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. GRAVEL 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 6" TO 8" HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD, THE TIRES SHALL BE WASHED PRIOR TO ENTERING PUBLIC ROADS. THE WASHING 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. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
11. 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 CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

PAY ITEM:

| | | |
|---|---|---|
| 163-0300 | CONSTRUCTION EXIT | (EA) |
| 165-0101 | MAINTENANCE OF CONSTRUCTION EXIT | (EA) |

| | | |
|---|---|---|
| DLE | REV. GSMCC 2016 MANUAL | 4-22-2016 |
| TPC | REV. CONSTR. EXIT LABELS | 01-19-11 |
| BY | REVISION | DATE |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

NO SCALE FEBRUARY 2001

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-41

Michael Baker INTERNATIONAL

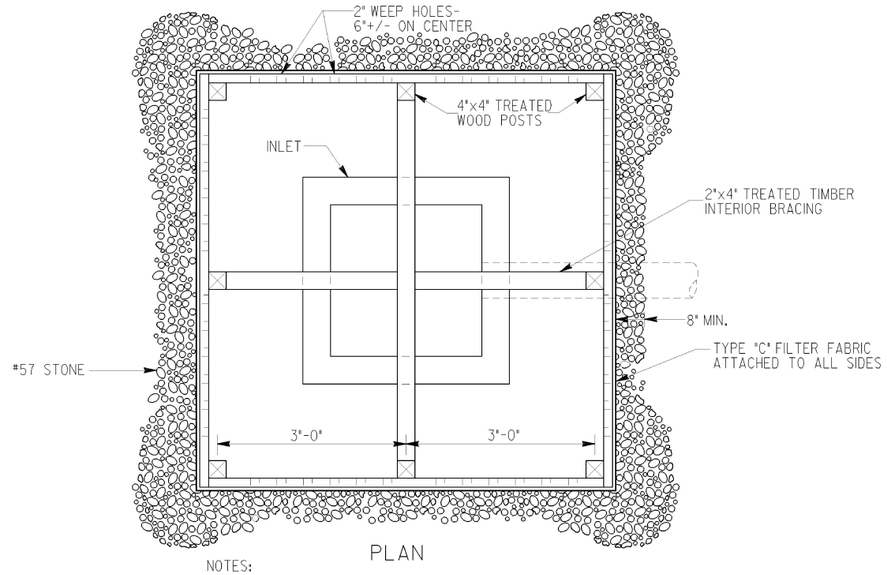
SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL
CONSTRUCTION DETAILS

DRAWING No. 56-007

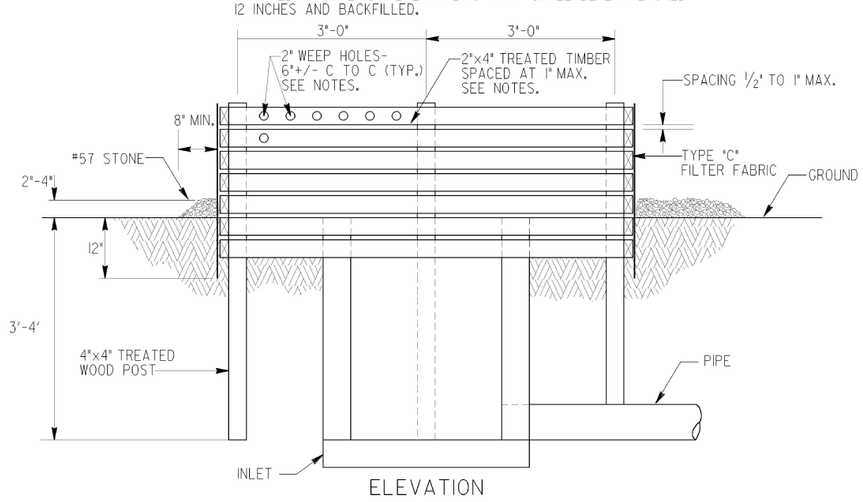



PLAN

NOTES:

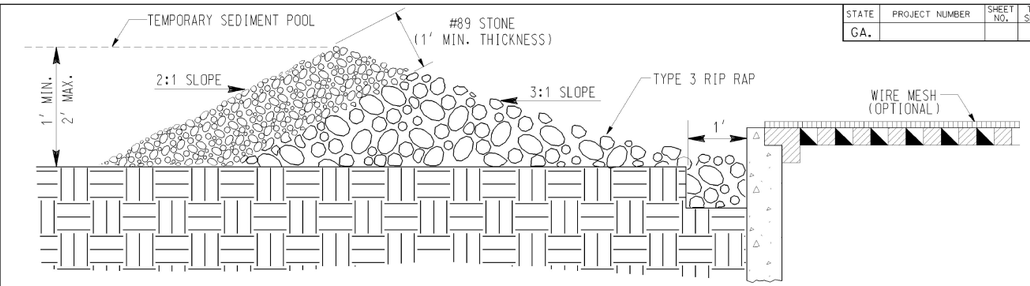
BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.

GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.

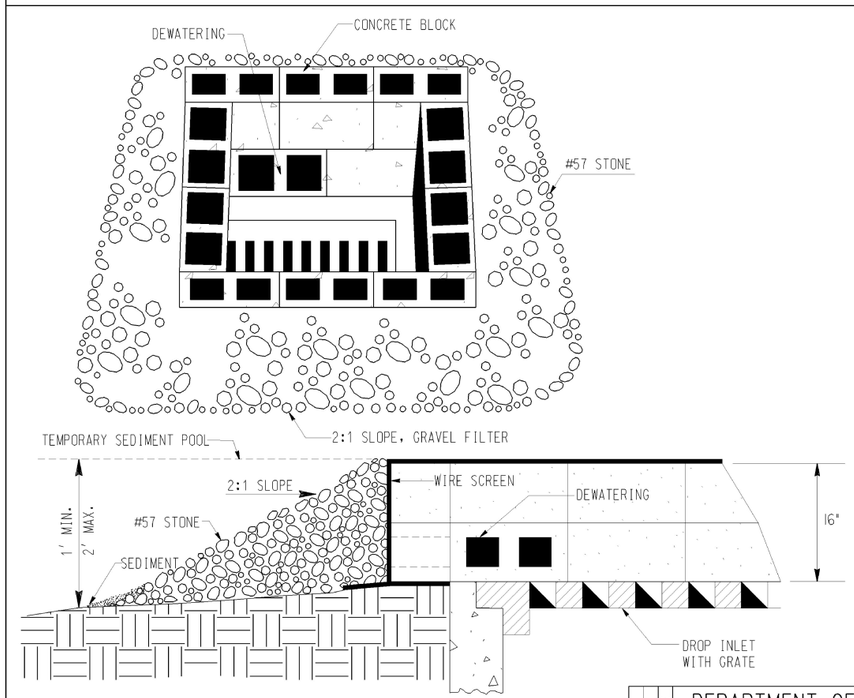



ELEVATION

BAFFLE BOX (Sd2-B)




GRAVEL DROP INLET PROTECTION
(GRAVEL DONUT) Sd2-G




BLOCK & GRAVEL DROP
INLET PROTECTION
(Sd2-Bg)

BASIS OF PAYMENT:
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP _____ EACH

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
INLET SEDIMENT TRAPS
BAFFLE BOX Sd2-B
BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg
GRAVEL DROP INLET PROTECTION Sd2-G

NO SCALE MAY 2008

DATE | REVISION | BY

NUMBER D-42

Michael Baker INTERNATIONAL

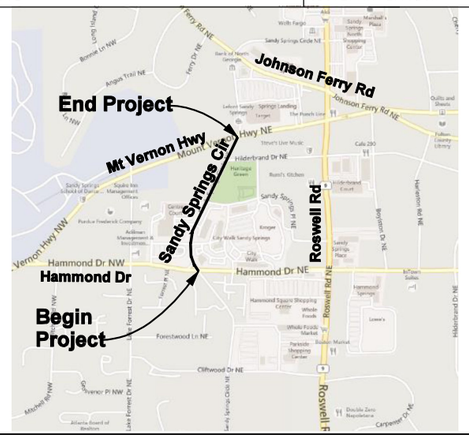
SANDY SPRINGS GEORGIA

REVISION DATES

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL
CONSTRUCTION DETAILS

DRAWING No. 56-008




LOCATION SKETCH

# CITY OF SANDY SPRINGS
# DEPARTMENT OF PUBLIC WORKS

## RIGHT OF WAY PLANS OF PROPOSED

## SANDY SPRINGS CIRCLE STREETSCAPE
## HAMMOND DRIVE TO MT. VERNON HWY.

CITY OF SANDY SPRINGS
FULTON COUNTY

FEDERAL ROUTE # N/A
STATE ROUTE # N/A
P.I. 0010385

### CONVENTIONAL SIGNS

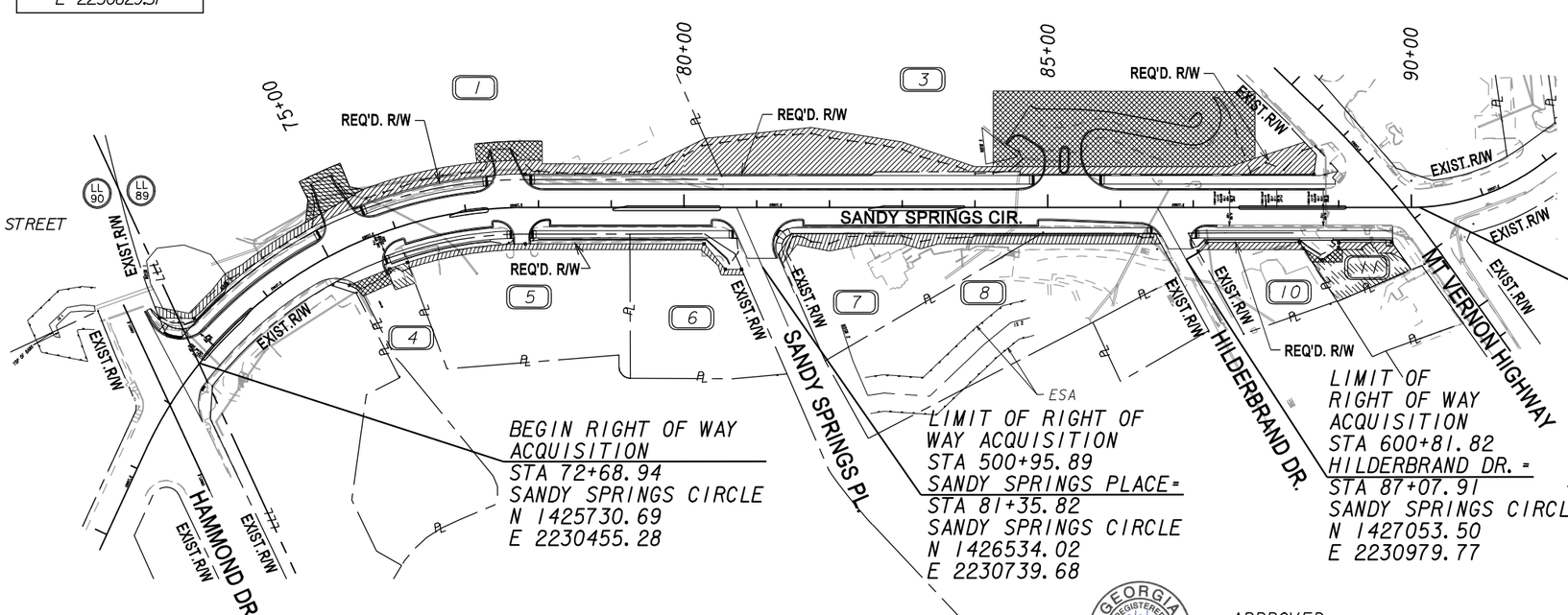
STATE OR COUNTY LINE
CITY LIMIT LINE
LAND LOT LINE
PROPERTY LINE
SURVEY OR BASE LINE
RIGHT OF WAY LINE: EXISTING; REQUIRED; LIMIT OF ACCESS; REQD R/W & LIMIT OF ACCESS; R/W MARKERS
FENCE
RAILROAD
POWER LINE
TELEPHONE LINE
POWER POLES
TELEPHONE OR TELEGRAPH POLES

THIS PROJECT IS 100% IN CITY OF SANDY SPRINGS AND FULTON COUNTY AND IS 100% IN CONG.DIST.NO.6.

| MID-POINT COORDINATE |
|---|
| STA 80+43.00 |
| N 1426484.94 |
| E 2230629.51 |

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

LAND DISTRICT: 17
LAND LOTS: 89 & 90
FUNCTIONAL CLASSIFICATION: URBAN COLLECTOR STREET




PLANS PREPARED BY
MICHAEL BAKER INTERNATIONAL, INC.

UNDER THE SUPERVISION OF

OFFICE OF PROGRAM DELIVERY

SCALE IN FEET
0 100 200 400

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

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

PI 0010385, FULTON COUNTY

| LENGTH OF RIGHT OF WAY<br>COUNTY: FULTON | COUNTY No. 121<br>Project No. 0010385<br>MILES |
|---|---|
| NET LENGTH OF RIGHT OF WAY | 0.330 |
| NET LENGTH OF EXCEPTIONS | 0.000 |
| GROSS LENGTH OF RGIHT OF WAY | 0.330 |

GEORGIA REGISTERED No. PE025500 PROFESSIONAL ENGINEER BETH ANN SCHWARTZ

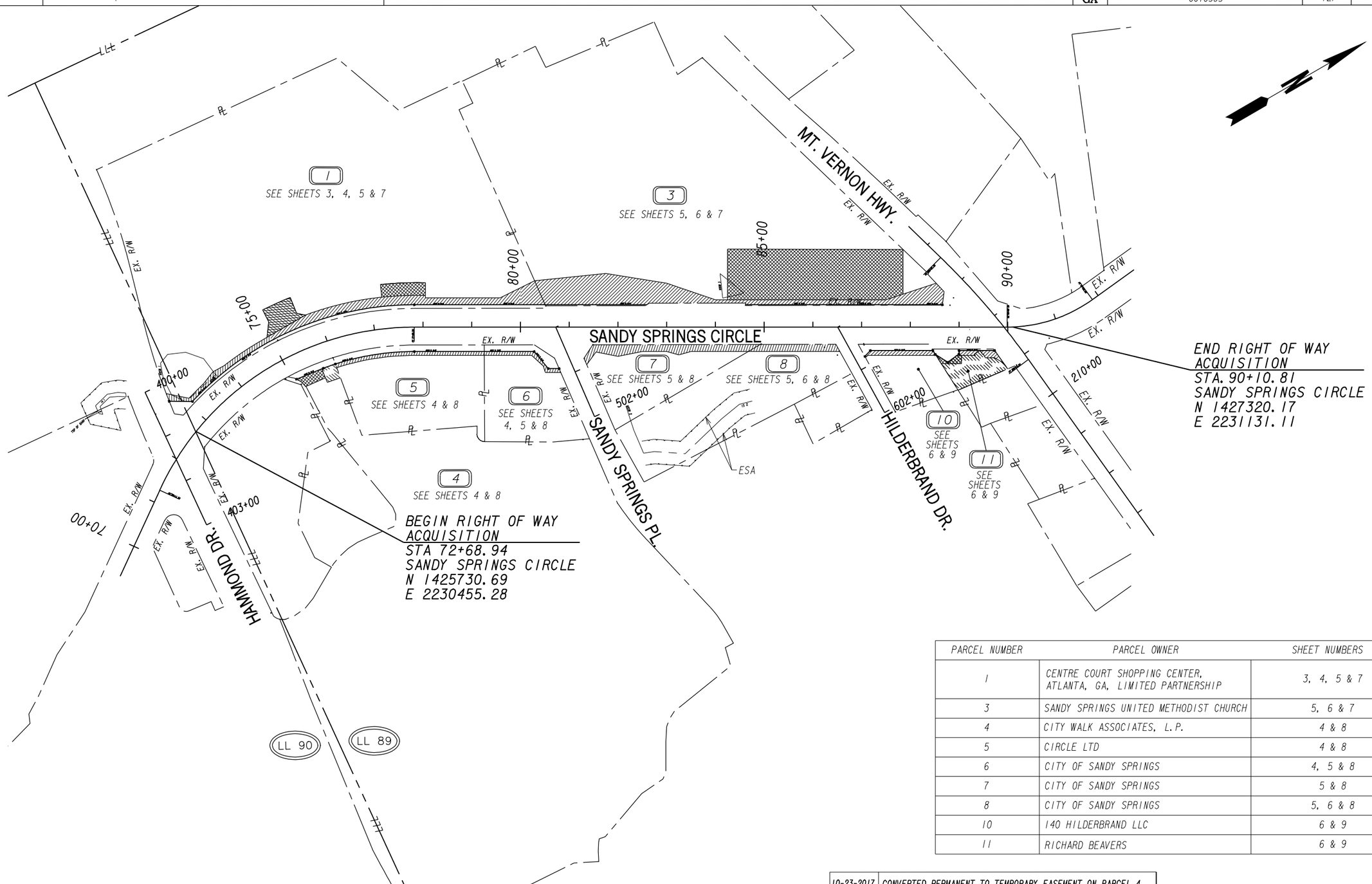
APPROVED: _____
TROY D. BYERS, STATE RIGHT OF WAY ADMINISTRATOR DATE

LOCATION AND DESIGN APPROVAL DATE: 09-23-2015

| | |
|---|---|
| PLANS COMPLETED 07-31-2015 | |
| REVISIONS | |
| 02-10-2016 | |
| 05-11-2016 | |
| 02-10-2017 | |
| 03-08-2017 | |
| 09-28-2017 | |
| 10-23-2017 | |
| 03-07-2018 | |

DRAWING No. 60-001

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA | 0010385 | 127 | 134 |




| PARCEL NUMBER | PARCEL OWNER | SHEET NUMBERS |
|---|---|---|
| 1 | CENTRE COURT SHOPPING CENTER, ATLANTA, GA, LIMITED PARTNERSHIP | 3, 4, 5 & 7 |
| 3 | SANDY SPRINGS UNITED METHODIST CHURCH | 5, 6 & 7 |
| 4 | CITY WALK ASSOCIATES, L.P. | 4 & 8 |
| 5 | CIRCLE LTD | 4 & 8 |
| 6 | CITY OF SANDY SPRINGS | 4, 5 & 8 |
| 7 | CITY OF SANDY SPRINGS | 5 & 8 |
| 8 | CITY OF SANDY SPRINGS | 5, 6 & 8 |
| 10 | 140 HILDERBRAND LLC | 6 & 9 |
| 11 | RICHARD BEAVERS | 6 & 9 |

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 100 200 400

Michael Baker INTERNATIONAL
SANDY SPRINGS GEORGIA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
| 02-10-2016 | REVISED EXISTING RIGHT OF WAY AND REQUIRED RIGHT OF WAY ON PARCEL 11 | 02-10-2017 | REVISED EASEMENTS ON PARCEL 4 |
| 05-11-2016 | REVISED EXISTING RIGHT OF WAY, REQUIRED RIGHT OF WAY, AND PERMANENT EASEMENT ON PARCEL 3 | 02-10-2017 | ADDED TEMPORARY EASEMENT ON PARCEL 11 |
| 02-10-2017 | REVISED REQUIRED RIGHT OF WAY AND EASEMENTS ON PARCEL 1 | 03-08-2017 | REVISED EASEMENTS ON PARCEL 1 |
| 02-10-2017 | REVISED REQUIRED RIGHT OF WAY AND EASEMENTS ON PARCEL 3 | 09-28-2017 | REVISED EXISTING RIGHT OF WAY, REQUIRED RIGHT OF WAY, PERMANENT EASEMENT, AND TEMPORARY EASEMENT ON PARCEL 11 |
| | | 10-23-2017 | REVISED EASEMENTS ON PARCEL 4 |
| | | 10-23-2017 | CONVERTED PERMANENT TO TEMPORARY EASEMENT ON PARCEL 4 |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

RIGHT OF WAY MAP

PROJECT NO: 0010385
COUNTY: FULTON
LAND LOT NO: 89 & 90

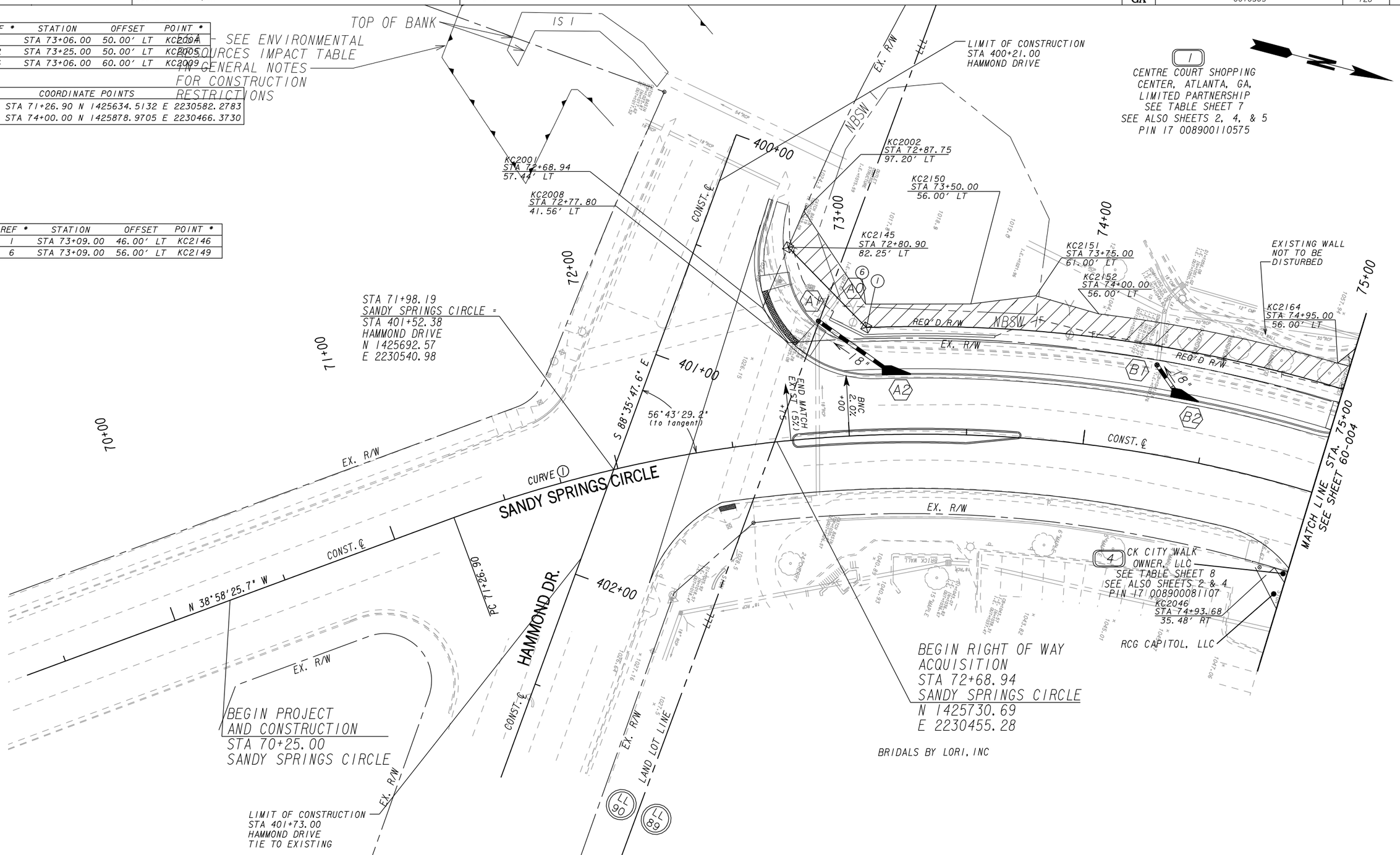
GMD
DATE 07-31-15 SH 2 OF 9

DRAWING No. 60-002

| REF # | STATION | OFFSET | POINT # |
|---|---|---|---|
| 1 | STA 73+06.00 | 50.00' LT | KC2004 |
| 2 | STA 73+25.00 | 50.00' LT | KC2005 |
| 6 | STA 73+06.00 | 60.00' LT | KC2009 |

| COORDINATE POINTS | | | |
|---|---|---|---|
| PC 1 | STA 71+26.90 | N 1425634.5132 | E 2230582.2783 |
| POC | STA 74+00.00 | N 1425878.9705 | E 2230466.3730 |

| REF # | STATION | OFFSET | POINT # |
|---|---|---|---|
| 1 | STA 73+09.00 | 46.00' LT | KC2146 |
| 6 | STA 73+09.00 | 56.00' LT | KC2149 |




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL

SANDY SPRINGS GEORGIA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
| 02-10-2017 | REVISED REQUIRED RIGHT OF WAY AND EASEMENTS ON PARCEL 1 | | |
| 03-08-2017 | REVISED EASEMENTS ON PARCEL 1 | | |
| 10-23-2017 | REVISED REQUIRED R/W, ADDED PERMANENT EASEMENT AND AND REVISED DRIVEWAY EASEMENT ON PARCEL 4 | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

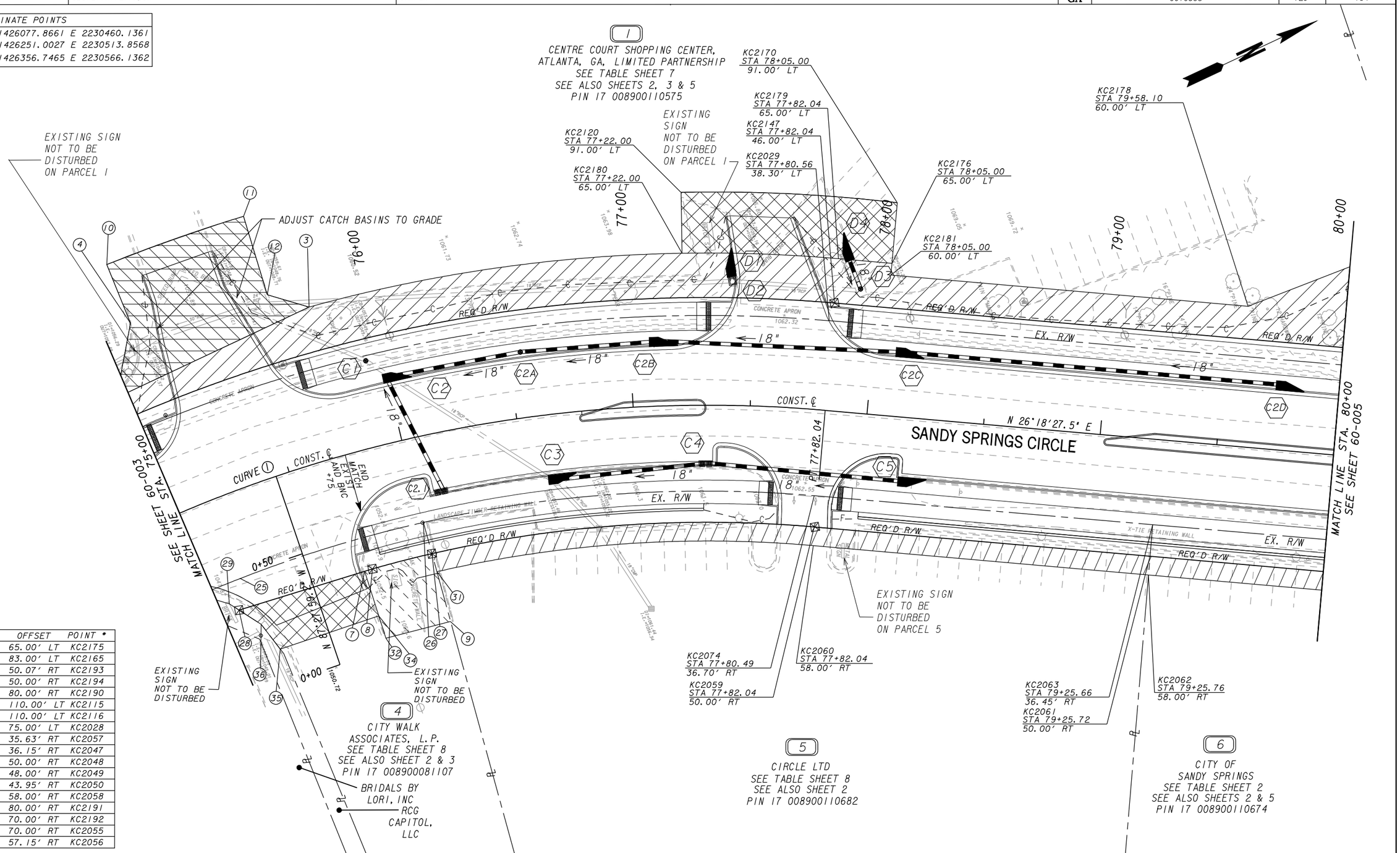
RIGHT OF WAY MAP

PROJECT NO: 0010385
COUNTY: FULTON
LAND LOT NO: 89 & 90
LAND DISTRICT: 17
GMD
DATE 07-31-15 SH 3 OF 9

DRAWING No. 60-003

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA | 0010385 | 129 | 134 |

| COORDINATE POINTS | | | |
|---|---|---|---|
| POC | STA 76+00.00 | N 1426077.8661 | E 2230460.1361 |
| PT 1 | STA 77+82.04 | N 1426251.0027 | E 2230513.8568 |
| POT | STA 79+00.00 | N 1426356.7465 | E 2230566.1362 |




| REF # | STATION | OFFSET | POINT # |
|---|---|---|---|
| 3 | STA 75+77.00 | 65.00' LT | KC2175 |
| 4 | STA 75+11.00 | 83.00' LT | KC2165 |
| 7 | STA 75+69.18 | 50.07' RT | KC2193 |
| 8 | STA 75+73.00 | 50.00' RT | KC2194 |
| 9 | STA 76+03.20 | 80.00' RT | KC2190 |
| 10 | STA 75+11.00 | 110.00' LT | KC2115 |
| 11 | STA 75+63.00 | 110.00' LT | KC2116 |
| 12 | STA 75+63.00 | 75.00' LT | KC2028 |
| 25 | STA 75+13.74 | 35.63' RT | KC2057 |
| 26 | STA 76+01.07 | 36.15' RT | KC2047 |
| 27 | STA 76+01.70 | 50.00' RT | KC2048 |
| 28 | STA 75+07.79 | 48.00' RT | KC2049 |
| 29 | STA 75+04.74 | 43.95' RT | KC2050 |
| 31 | STA 76+02.09 | 58.00' RT | KC2058 |
| 32 | STA 75+70.00 | 80.00' RT | KC2191 |
| 34 | STA 75+69.72 | 70.00' RT | KC2192 |
| 35 | STA 75+19.12 | 70.00' RT | KC2055 |
| 36 | STA 75+14.91 | 57.15' RT | KC2056 |

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL
SANDY SPRINGS GEORGIA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
| 02-10-2016 | ADDED NOTES TO NOT DISTURB SIGNS ON PARCELS 1 AND 5 | 03-07-2018 | CONVERTED PERMANENT TO TEMPORARY EASEMENT ON PARCEL 4 |
| 02-10-2017 | REVISED REQUIRED RIGHT OF WAY AND EASEMENTS ON PARCEL 1 | | |
| 02-10-2017 | REVISED EASEMENTS ON PARCEL 4 | | |
| 03-08-2017 | REVISED EASEMENTS ON PARCEL 1 | | |
| 10-23-2017 | REVISED REQUIRED R/W, ADDED PERMANENT EASEMENT AND AND REVISED DRIVEWAY EASEMENT ON PARCEL 4 | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

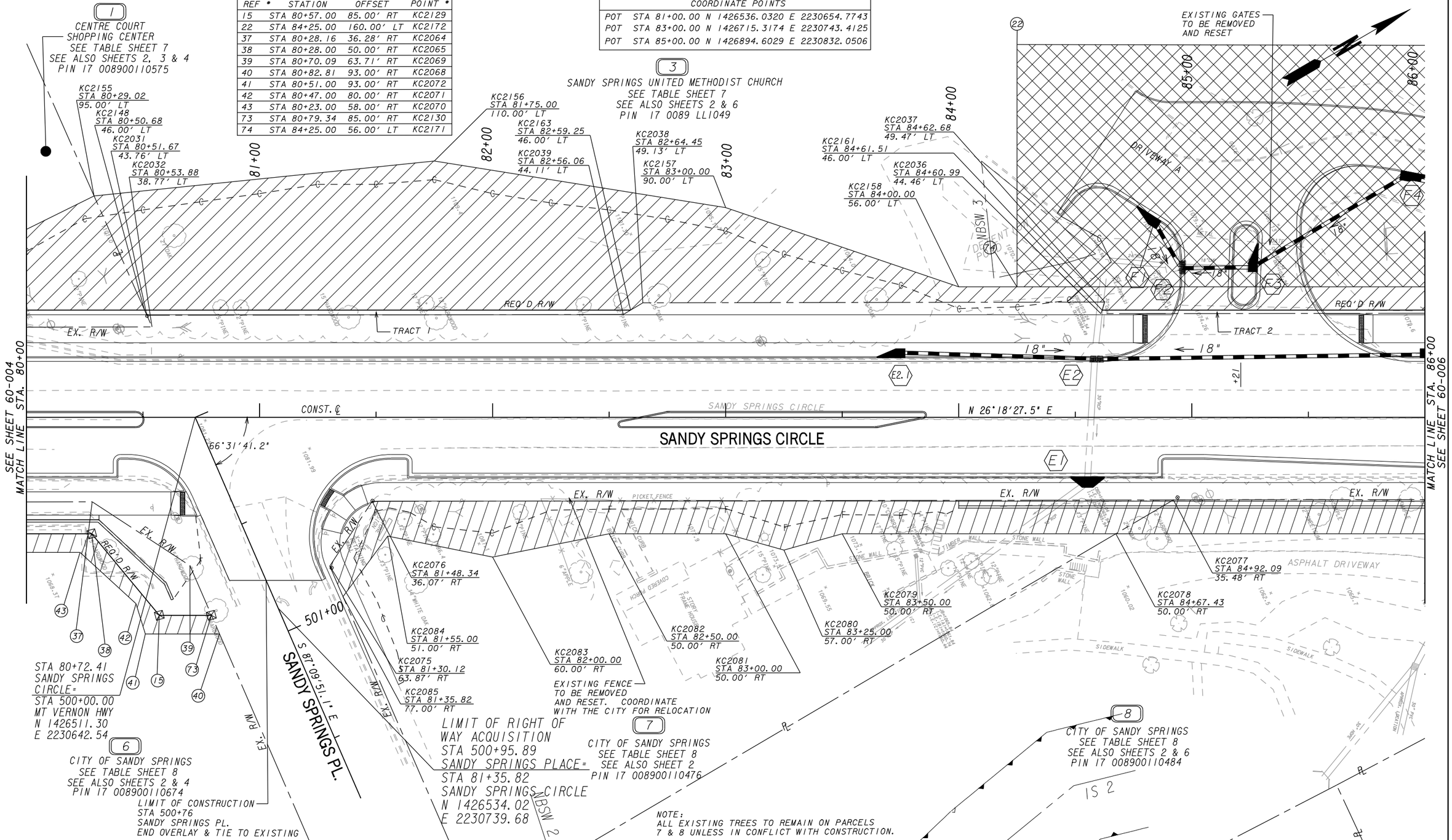
RIGHT OF WAY MAP

PROJECT NO: 0010385
COUNTY: FULTON
LAND LOT NO: 89
LAND DISTRICT: 17
GMD
DATE 07-31-15 SH 4 OF 9

DRAWING No. 60-004

| REF # | STATION | OFFSET | POINT # |
|---|---|---|---|
| 15 | STA 80+57.00 | 85.00' RT | KC2129 |
| 22 | STA 84+25.00 | 160.00' LT | KC2172 |
| 37 | STA 80+28.16 | 36.28' RT | KC2064 |
| 38 | STA 80+28.00 | 50.00' RT | KC2065 |
| 39 | STA 80+70.09 | 63.71' RT | KC2069 |
| 40 | STA 80+82.81 | 93.00' RT | KC2068 |
| 41 | STA 80+51.00 | 93.00' RT | KC2072 |
| 42 | STA 80+47.00 | 80.00' RT | KC2071 |
| 43 | STA 80+23.00 | 58.00' RT | KC2070 |
| 73 | STA 80+79.34 | 85.00' RT | KC2130 |
| 74 | STA 84+25.00 | 56.00' LT | KC2171 |

| COORDINATE POINTS | | |
|---|---|---|
| POT | STA 81+00.00 N 1426536.0320 | E 2230654.7743 |
| POT | STA 83+00.00 N 1426715.3174 | E 2230743.4125 |
| POT | STA 85+00.00 N 1426894.6029 | E 2230832.0506 |




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL
SANDY SPRINGS GEORGIA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
| 02-10-2017 | REVISED REQUIRED RIGHT OF WAY AND EASEMENTS ON PARCEL 1 | | |
| 02-10-2017 | REVISED REQUIRED RIGHT OF WAY AND EASEMENTS ON PARCEL 3 | | |
| 03-08-2017 | REVISED EASEMENTS ON PARCEL 1 | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

RIGHT OF WAY MAP

PROJECT NO: 0010385
COUNTY: FULTON
LAND LOT NO: 89
LAND DISTRICT: 17
GMD
DATE 07-31-15 SH 5 OF 9

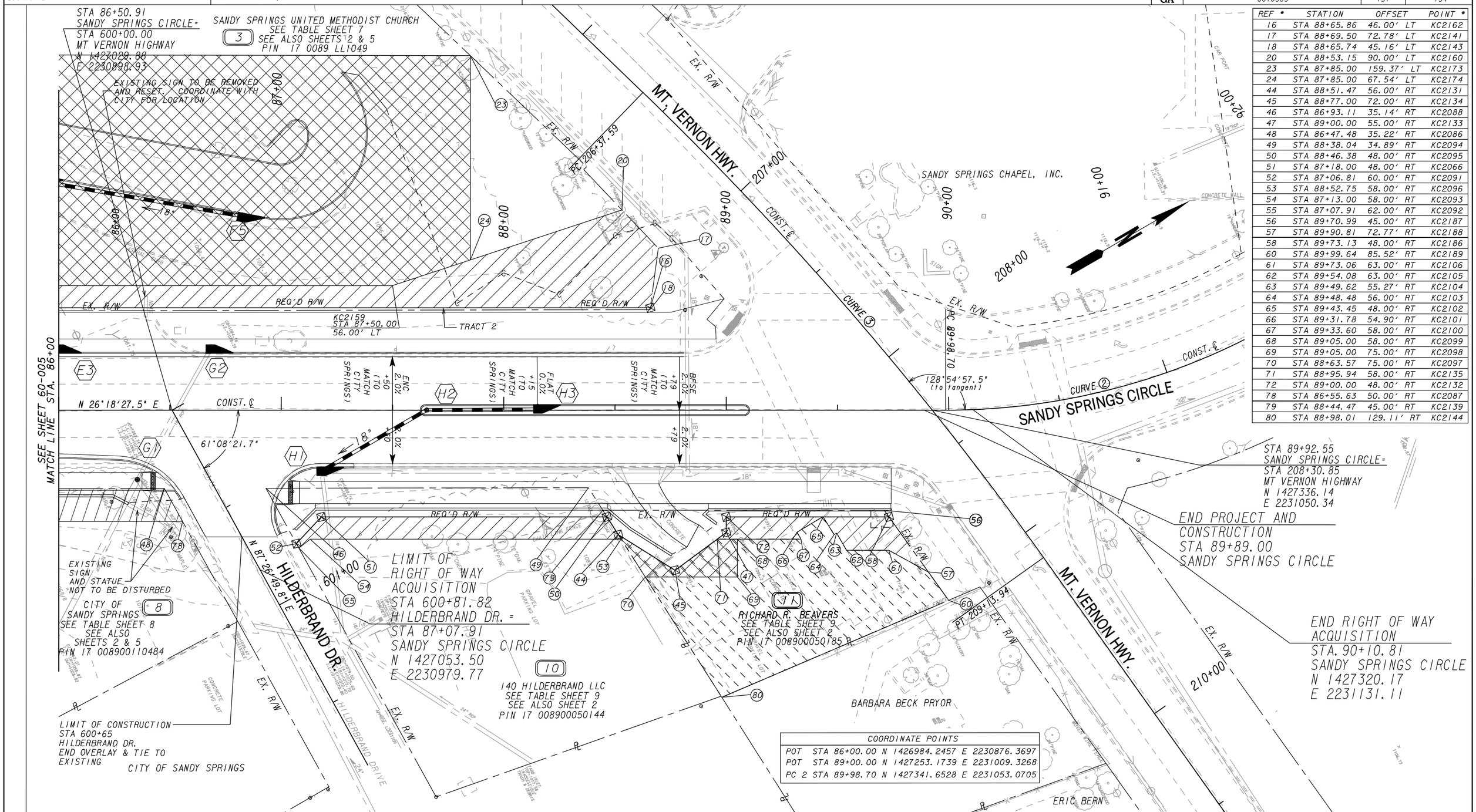
DRAWING No. 60-005

02-MAR-2019 13:17
bschwartz

0010385_60-006
GDOT_11x17_V7.pen

Y:\Roadways\138956\0010385\DGN\0010385_60-006.dgn
GRWPLN

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA | 0010385 | 131 | 134 |




| REF # | STATION | OFFSET | POINT # |
|---|---|---|---|
| 16 | STA 88+65.86 | 46.00' LT | KC2162 |
| 17 | STA 88+69.50 | 72.78' LT | KC2141 |
| 18 | STA 88+65.74 | 45.16' LT | KC2143 |
| 20 | STA 88+53.15 | 90.00' LT | KC2160 |
| 23 | STA 87+85.00 | 159.37' LT | KC2173 |
| 24 | STA 87+85.00 | 67.54' LT | KC2174 |
| 44 | STA 88+51.47 | 56.00' RT | KC2131 |
| 45 | STA 88+77.00 | 72.00' RT | KC2134 |
| 46 | STA 86+93.11 | 35.14' RT | KC2088 |
| 47 | STA 89+00.00 | 55.00' RT | KC2133 |
| 48 | STA 86+47.48 | 35.22' RT | KC2086 |
| 49 | STA 88+38.04 | 34.89' RT | KC2094 |
| 50 | STA 88+46.38 | 48.00' RT | KC2095 |
| 51 | STA 87+18.00 | 48.00' RT | KC2066 |
| 52 | STA 87+06.81 | 60.00' RT | KC2091 |
| 53 | STA 88+52.75 | 58.00' RT | KC2096 |
| 54 | STA 87+13.00 | 58.00' RT | KC2093 |
| 55 | STA 87+07.91 | 62.00' RT | KC2092 |
| 56 | STA 89+70.99 | 45.00' RT | KC2187 |
| 57 | STA 89+90.81 | 72.77' RT | KC2188 |
| 58 | STA 89+73.13 | 48.00' RT | KC2186 |
| 60 | STA 89+99.64 | 85.52' RT | KC2189 |
| 61 | STA 89+73.06 | 63.00' RT | KC2106 |
| 62 | STA 89+54.08 | 63.00' RT | KC2105 |
| 63 | STA 89+49.62 | 55.27' RT | KC2104 |
| 64 | STA 89+48.48 | 56.00' RT | KC2103 |
| 65 | STA 89+43.45 | 48.00' RT | KC2102 |
| 66 | STA 89+31.78 | 54.90' RT | KC2101 |
| 67 | STA 89+33.60 | 58.00' RT | KC2100 |
| 68 | STA 89+05.00 | 58.00' RT | KC2099 |
| 69 | STA 89+05.00 | 75.00' RT | KC2098 |
| 70 | STA 88+63.57 | 75.00' RT | KC2097 |
| 71 | STA 88+95.94 | 58.00' RT | KC2135 |
| 72 | STA 89+00.00 | 48.00' RT | KC2132 |
| 78 | STA 86+55.63 | 50.00' RT | KC2087 |
| 79 | STA 88+44.47 | 45.00' RT | KC2139 |
| 80 | STA 88+98.01 | 129.11' RT | KC2144 |

| COORDINATE POINTS | | | |
|---|---|---|---|
| POT | STA 86+00.00 | N 1426984.2457 | E 2230876.3697 |
| POT | STA 89+00.00 | N 1427253.1739 | E 2231009.3268 |
| PC 2 | STA 89+98.70 | N 1427341.6528 | E 2231053.0705 |

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
0 20 40 80

Michael Baker INTERNATIONAL
SANDY SPRINGS GEORGIA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
| 02-10-2016 | REVISED EXISTING RIGHT OF WAY AND REQUIRED RIGHT OF WAY ON PARCEL 11 | 09-28-2017 | REVISED EXISTING RIGHT OF WAY, REQUIRED RIGHT OF WAY, PERMANENT EASEMENT, AND TEMPORARY EASEMENT ON PARCEL 11 |
| 05-11-2016 | REVISED EXISTING RIGHT OF WAY, REQUIRED RIGHT OF WAY, AND PERMANENT EASEMENT ON PARCEL 3 | | |
| 02-10-2017 | REVISED REQUIRED RIGHT OF WAY AND EASEMENTS ON PARCEL 3 | | |
| 02-10-2017 | ADDED TEMPORARY EASEMENT ON PARCEL 11 | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

RIGHT OF WAY MAP

PROJECT NO: 0010385
COUNTY: FULTON
LAND LOT NO: 89
LAND DISTRICT: 17
GMD
DATE 07-31-15 SH 6 OF 9

DRAWING No. 60-006

# PARCEL 1
## CENTRE COURT SHOPPING CENTER, ATLANTA, GA, LIMITED PARTNERSHIP
See Sheets 2, 3, 4 & 5

PARCEL 1 REQUIRED RIGHT OF WAY RW1

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2001 | 57.44 | L | 72+68.944 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 28.200 | | | | |
| CHORD BEAR = N 85°49'46.9" W | | | | |
| LNTH CHORD = 28.200 | | | | |
| RADIUS = 2793.129 | | | | |
| DEGREE = 2° 3' 4'' | | | | |
| KC2145 | 82.25 | L | 72+80.902 | SANDY SPRINGS CIRCLE |
| | 47.84 | | N 27°01'08.4" E | |
| KC2146 | 46.00 | L | 73+09.000 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 510.882 | | | | |
| CHORD BEAR = N 2°44'22.9" E | | | | |
| LNTH CHORD = 496.596 | | | | |
| RADIUS = 621.000 | | | | |
| DEGREE = 9° 13' 34'' | | | | |
| KC2147 | 46.00 | L | 77+82.039 | SANDY SPRINGS CIRCLE |
| | 268.64 | | N 26°18'27.5" E | |
| KC2148 | 46.00 | L | 80+50.682 | SANDY SPRINGS CIRCLE |
| | 7.91 | | S 87°32'46.3" E | |
| KC2032 | 38.77 | L | 80+53.881 | SANDY SPRINGS CIRCLE |
| | 273.43 | | S 26°12'33.8" W | |
| KC2029 | 38.30 | L | 77+80.555 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 537.293 | | | | |
| CHORD BEAR = S 1°26'10.3" W | | | | |
| LNTH CHORD = 520.708 | | | | |
| RADIUS = 621.329 | | | | |
| DEGREE = 9° 13' 17'' | | | | |
| KC2008 | 41.56 | L | 72+77.803 | SANDY SPRINGS CIRCLE |
| | 18.57 | | S 34°24'55.2" W | |
| KC2001 | 57.44 | L | 72+68.944 | SANDY SPRINGS CIRCLE |
| REQD R/W = 6371.21 SF | | | | |
| REQD R/W = 0.146 ACRES | | | | |
| REMAINDER = +/- 8.5 ACRES | | | | |

# PARCEL 1
## CENTRE COURT SHOPPING CENTER, ATLANTA, GA, LIMITED PARTNERSHIP
See Sheets 2, 3, 4 & 5

PARCEL 1 EASEMENT FOR CONSTRUCTION AND MAINTENANCE OF SLOPES PE1

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2002 | 97.20 | L | 72+87.754 | SANDY SPRINGS CIRCLE |
| | 47.71 | | N 37°48'35.7" E | |
| KC2149 | 56.00 | L | 73+09.000 | SANDY SPRINGS CIRCLE |
| | 44.98 | | N 18°47'07.8" W | |
| KC2150 | 56.00 | L | 73+50.000 | SANDY SPRINGS CIRCLE |
| | 27.99 | | N 25°47'04.4" W | |
| KC2151 | 61.00 | L | 73+75.000 | SANDY SPRINGS CIRCLE |
| | 27.99 | | N 2°43'07.6" W | |
| KC2152 | 56.00 | L | 74+00.000 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 104.252 | | | | |
| CHORD BEAR = N 7°01'38.7" W | | | | |
| LNTH CHORD = 104.134 | | | | |
| RADIUS = 631.000 | | | | |
| DEGREE = 9° 4' 48'' | | | | |
| KC2164 | 56.00 | L | 74+95.000 | SANDY SPRINGS CIRCLE |
| | 90.99 | | N 3°52'14.1" W | |
| KC2175 | 65.00 | L | 75+77.000 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 228.217 | | | | |
| CHORD BEAR = N 16°05'31.6" E | | | | |
| LNTH CHORD = 227.010 | | | | |
| RADIUS = 640.000 | | | | |
| DEGREE = 8° 57' 8'' | | | | |
| KC2179 | 65.00 | L | 77+82.039 | SANDY SPRINGS CIRCLE |
| | 22.96 | | N 26°18'27.5" E | |
| KC2176 | 65.00 | L | 78+05.000 | SANDY SPRINGS CIRCLE |
| | 5.00 | | S 63°41'32.5" E | |
| KC2181 | 60.00 | L | 78+05.000 | SANDY SPRINGS CIRCLE |
| | 153.10 | | N 26°18'27.5" E | |
| KC2178 | 60.00 | L | 79+58.104 | SANDY SPRINGS CIRCLE |
| | 79.08 | | N 0°02'16.7" E | |
| KC2155 | 95.00 | L | 80+29.016 | SANDY SPRINGS CIRCLE |
| | 53.58 | | S 87°32'46.3" E | |
| KC2148 | 46.00 | L | 80+50.682 | SANDY SPRINGS CIRCLE |
| | 268.64 | | S 26°18'27.5" W | |
| KC2147 | 46.00 | L | 77+82.039 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 510.882 | | | | |
| CHORD BEAR = S 2°44'22.9" W | | | | |
| LNTH CHORD = 496.596 | | | | |
| RADIUS = 621.000 | | | | |
| DEGREE = 9° 13' 34'' | | | | |
| KC2146 | 46.00 | L | 73+09.000 | SANDY SPRINGS CIRCLE |
| | 47.84 | | S 27°01'08.4" W | |
| KC2145 | 82.25 | L | 72+80.902 | SANDY SPRINGS CIRCLE |
| | 16.92 | | N 85°22'00.9" W | |
| KC2002 | 97.20 | L | 72+87.754 | SANDY SPRINGS CIRCLE |
| REQD EASMT = 13459.17 SF | | | | |
| REQD EASMT = 0.309 ACRES | | | | |

TOTAL DRIVEWAY EASEMENTS = 2

# PARCEL 3
## SANDY SPRINGS UNITED METHODIST CHURCH
See Sheets 2, 5, & 6

PARCEL 3 - TRACT 1 REQUIRED RIGHT OF WAY RW3A1

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2031 | 43.76 | L | 80+51.672 | SANDY SPRINGS CIRCLE |
| | 2.45 | | N 87°32'46.3" W | |
| KC2148 | 46.00 | L | 80+50.682 | SANDY SPRINGS CIRCLE |
| | 208.54 | | N 26°18'27.5" E | |
| KC2163 | 46.00 | L | 82+59.220 | SANDY SPRINGS CIRCLE |
| | 3.68 | | S 4°33'19.3" E | |
| KC2039 | 44.11 | L | 82+56.062 | SANDY SPRINGS CIRCLE |
| | 204.39 | | S 26°12'33.8" W | |
| KC2031 | 43.76 | L | 80+51.672 | SANDY SPRINGS CIRCLE |
| REQD R/W = 425.57 SF | | | | |
| REQD R/W = 0.010 ACRES | | | | |

PARCEL 3-TRACT 2 REQUIRED RIGHT OF WAY RW3A2

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2036 | 44.46 | L | 84+60.994 | SANDY SPRINGS CIRCLE |
| | 1.62 | | N 45°04'22.3" W | |
| KC2161 | 46.00 | L | 84+61.511 | SANDY SPRINGS CIRCLE |
| | 404.35 | | N 26°18'27.5" E | |
| KC2162 | 46.00 | L | 88+65.858 | SANDY SPRINGS CIRCLE |
| | 0.85 | | S 55°57'27.0" E | |
| KC2143 | 45.16 | L | 88+65.744 | SANDY SPRINGS CIRCLE |
| | 404.75 | | S 26°12'33.8" W | |
| KC2036 | 44.46 | L | 84+60.994 | SANDY SPRINGS CIRCLE |
| REQD R/W = 480.74 SF | | | | |
| REQD R/W = 0.011 ACRES | | | | |

TOTAL REQD RIGHT OF WAY AREA (AREA 1 + AREA 2) = 906.31 SF
TOTAL REQD RIGHT OF WAY AREA (AREA 1 + AREA 2) = 0.021 ACRES
REMAINDER = +/- 8.1 ACRES

PARCEL 3 EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES PE3

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2155 | 95.00 | L | 80+29.016 | SANDY SPRINGS CIRCLE |
| | 146.75 | | N 20°26'27.7" E | |
| KC2156 | 110.00 | L | 81+75.000 | SANDY SPRINGS CIRCLE |
| | 126.59 | | N 35°23'52.5" E | |
| KC2157 | 90.00 | L | 83+00.000 | SANDY SPRINGS CIRCLE |
| | 105.62 | | N 45°05'08.4" E | |
| KC2158 | 56.00 | L | 84+00.000 | SANDY SPRINGS CIRCLE |
| | 350.00 | | N 26°18'27.5" E | |
| KC2159 | 56.00 | L | 87+50.000 | SANDY SPRINGS CIRCLE |
| | 108.61 | | N 8°03'54.4" E | |
| KC2160 | 90.00 | L | 88+53.154 | SANDY SPRINGS CIRCLE |
| | 23.74 | | N 72°47'52.0" E | |
| KC2141 | 72.78 | L | 88+69.496 | SANDY SPRINGS CIRCLE |
| | 27.03 | | S 55°57'27.0" E | |
| KC2162 | 46.00 | L | 88+65.858 | SANDY SPRINGS CIRCLE |
| | 404.35 | | S 26°18'27.5" W | |
| KC2161 | 46.00 | L | 84+61.511 | SANDY SPRINGS CIRCLE |
| | 3.66 | | N 45°04'22.3" W | |
| KC2037 | 49.47 | L | 84+62.680 | SANDY SPRINGS CIRCLE |
| | 198.23 | | S 26°12'33.8" W | |
| KC2038 | 49.13 | L | 82+64.453 | SANDY SPRINGS CIRCLE |
| | 6.10 | | S 4°33'19.3" E | |
| KC2163 | 46.00 | L | 82+59.220 | SANDY SPRINGS CIRCLE |
| | 208.54 | | S 26°18'27.5" W | |
| KC2148 | 46.00 | L | 80+50.682 | SANDY SPRINGS CIRCLE |
| | 53.58 | | N 87°32'46.3" W | |
| KC2155 | 95.00 | L | 80+29.016 | SANDY SPRINGS CIRCLE |
| REQD EASMT = 23322.31 SF | | | | |
| REQD EASMT = 0.535 ACRES | | | | |

TOTAL DRIVEWAY EASEMENTS = 1

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

Michael Baker INTERNATIONAL
SANDY SPRINGS GEORGIA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
| 05-11-2016 | REVISED EXISTING RIGHT OF WAY, REQUIRED RIGHT OF WAY, | | |
| | AND PERMANENT EASEMENT ON PARCEL 3 | | |
| 02-10-2017 | REVISED REQUIRED RIGHT OF WAY AND EASEMENTS ON | | |
| | PARCELS 1 AND 3 | | |
| 03-08-2017 | REVISED EASEMENTS ON PARCEL 1 | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS
RIGHT OF WAY MAP
PROJECT NO: 0010385
COUNTY:FULTON
LAND LOT NO: 89 & 90
LAND DISTRICT: 17
GMD
DATE 07-31-15 SH 7 OF 9

DRAWING No. 60-007

# PARCEL 4
# CITY WALK ASSOCIATES, L.P.
## See Sheets 2, 3 & 4

**********
PARCEL 4 REQUIRED RIGHT OF WAY RW4
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2046 | 35.48 | R | 74+93.677 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 18.819 | | | | |
| CHORD BEAR = N 0°59'12.5" W | | | | |
| LNTH CHORD = 18.818 | | | | |
| RADIUS = 546.329 | | | | |
| DEGREE = 10° 29' 14'' | | | | |
| KC2057 | 35.63 | R | 75+13.736 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 81.881 | | | | |
| CHORD BEAR = N 4°17'36.9" E | | | | |
| LNTH CHORD = 81.804 | | | | |
| RADIUS = 546.329 | | | | |
| DEGREE = 10° 29' 14'' | | | | |
| KC2047 | 36.15 | R | 76+01.068 | SANDY SPRINGS CIRCLE |
| | 13.86 | | S 84°07'15.5" E | |
| KC2048 | 50.00 | R | 76+01.702 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 26.207 | | | | |
| CHORD BEAR = S 6°54'28.9" W | | | | |
| LNTH CHORD = 26.204 | | | | |
| RADIUS = 525.000 | | | | |
| DEGREE = 10° 54' 48'' | | | | |
| KC2194 | 50.00 | R | 75+73.000 | SANDY SPRINGS CIRCLE |
| | 59.65 | | S 4°08'51.4" W | |
| KC2049 | 48.00 | R | 75+07.794 | SANDY SPRINGS CIRCLE |
| | 4.93 | | S 54°05'08.0" W | |
| KC2050 | 43.95 | R | 75+04.739 | SANDY SPRINGS CIRCLE |
| | 13.33 | | S 37°32'60.0" W | |
| KC2046 | 35.48 | R | 74+93.677 | SANDY SPRINGS CIRCLE |

REQD R/W = 1269.56 SF
REQD R/W = 0.029 ACRES
REMAINDER = +/- 14.146 ACRES

**********
PARCEL 4 EASEMENT FOR CONSTRUCTION OF SLOPES TE4
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2193 | 50.07 | R | 75+69.180 | SANDY SPRINGS CIRCLE |
| | 3.49 | | N 4°08'51.4" E | |
| KC2194 | 50.00 | R | 75+73.000 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 26.207 | | | | |
| CHORD BEAR = N 6°54'28.9" E | | | | |
| LNTH CHORD = 26.204 | | | | |
| RADIUS = 525.000 | | | | |
| DEGREE = 10° 54' 48'' | | | | |
| KC2048 | 50.00 | R | 76+01.702 | SANDY SPRINGS CIRCLE |
| | 30.03 | | S 84°07'15.5" E | |
| KC2190 | 80.00 | R | 76+03.199 | SANDY SPRINGS CIRCLE |
| | 28.58 | | S 6°49'59.3" W | |
| KC2191 | 80.00 | R | 75+70.000 | SANDY SPRINGS CIRCLE |
| | 29.94 | | N 86°15'11.1" W | |
| KC2193 | 50.07 | R | 75+69.180 | SANDY SPRINGS CIRCLE |

REQD EASMT = 877.94 SF
REQD EASMT = 0.020 ACRES

TOTAL DRIVEWAY EASEMENTS = 1

# PARCEL 5
# CIRCLE LTD
## See Sheets 2 & 4

**********
PARCEL 5 REQUIRED RIGHT OF WAY RW5
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2047 | 36.15 | R | 76+01.068 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 168.032 | | | | |
| CHORD BEAR = N 17°23'53.8" E | | | | |
| LNTH CHORD = 167.371 | | | | |
| RADIUS = 546.329 | | | | |
| DEGREE = 10° 29' 14'' | | | | |
| KC2074 | 36.70 | R | 77+80.485 | SANDY SPRINGS CIRCLE |
| | 145.08 | | N 26°12'33.8" E | |
| KC2063 | 36.45 | R | 79+25.661 | SANDY SPRINGS CIRCLE |
| | 13.55 | | S 63°57'15.7" E | |
| KC2061 | 50.00 | R | 79+25.723 | SANDY SPRINGS CIRCLE |
| | 143.68 | | S 26°18'27.5" W | |
| KC2059 | 50.00 | R | 77+82.039 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 164.655 | | | | |
| CHORD BEAR = S 17°19'22.3" W | | | | |
| LNTH CHORD = 163.981 | | | | |
| RADIUS = 525.000 | | | | |
| DEGREE = 10° 54' 48'' | | | | |
| KC2048 | 50.00 | R | 76+01.702 | SANDY SPRINGS CIRCLE |
| | 13.86 | | N 84°07'15.5" W | |
| KC2047 | 36.15 | R | 76+01.068 | SANDY SPRINGS CIRCLE |

REQD R/W = 4184.99 SF
REQD R/W = 0.096 ACRES
REMAINDER = +/- 1.04 ACRES

**********
PARCEL 5 EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES PE5
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2048 | 50.00 | R | 76+01.702 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 164.655 | | | | |
| CHORD BEAR = N 17°19'22.3" E | | | | |
| LNTH CHORD = 163.981 | | | | |
| RADIUS = 525.000 | | | | |
| DEGREE = 10° 54' 48'' | | | | |
| KC2059 | 50.00 | R | 77+82.039 | SANDY SPRINGS CIRCLE |
| | 143.68 | | N 26°18'27.5" E | |
| KC2061 | 50.00 | R | 79+25.723 | SANDY SPRINGS CIRCLE |
| | 8.00 | | S 63°57'15.7" E | |
| KC2062 | 58.00 | R | 79+25.759 | SANDY SPRINGS CIRCLE |
| | 143.72 | | S 26°18'27.5" W | |
| KC2060 | 58.00 | R | 77+82.039 | SANDY SPRINGS CIRCLE |
| ARC LENGTH = 161.802 | | | | |
| CHORD BEAR = S 17°20'30.8" W | | | | |
| LNTH CHORD = 161.143 | | | | |
| RADIUS = 517.000 | | | | |
| DEGREE = 11° 4' 56'' | | | | |
| KC2058 | 58.00 | R | 76+02.085 | SANDY SPRINGS CIRCLE |
| | 8.01 | | N 84°07'15.5" W | |
| KC2048 | 50.00 | R | 76+01.702 | SANDY SPRINGS CIRCLE |

REQD EASMT = 2455.45 SF
REQD EASMT = 0.056 ACRES

TOTAL DRIVEWAY EASEMENTS = 0

# PARCEL 6
# CITY OF SANDY SPRINGS
## See Sheets 2, 4 & 5

**********
PARCEL 6 REQUIRED RIGHT OF WAY RW6
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2063 | 36.45 | R | 79+25.661 | SANDY SPRINGS CIRCLE |
| | 102.49 | | N 26°12'33.8" E | |
| KC2064 | 36.28 | R | 80+28.155 | SANDY SPRINGS CIRCLE |
| | 50.11 | | N 59°29'44.1" E | |
| KC2069 | 63.71 | R | 80+70.088 | SANDY SPRINGS CIRCLE |
| | 23.22 | | S 87°09'52.0" E | |
| KC2130 | 85.00 | R | 80+79.335 | SANDY SPRINGS CIRCLE |
| | 22.34 | | S 26°18'27.5" W | |
| KC2129 | 85.00 | R | 80+57.000 | SANDY SPRINGS CIRCLE |
| | 45.45 | | S 76°39'48.5" W | |
| KC2065 | 50.00 | R | 80+28.000 | SANDY SPRINGS CIRCLE |
| | 102.28 | | S 26°18'27.5" W | |
| KC2061 | 50.00 | R | 79+25.723 | SANDY SPRINGS CIRCLE |
| | 13.55 | | N 63°57'15.7" W | |
| KC2063 | 36.45 | R | 79+25.661 | SANDY SPRINGS CIRCLE |

REQD R/W = 2461.43 SF
REQD R/W = 0.057 ACRES
REMAINDER = +/- 0.729 ACRES

**********
PARCEL 6 EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES PE6
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2061 | 50.00 | R | 79+25.723 | SANDY SPRINGS CIRCLE |
| | 102.28 | | N 26°18'27.5" E | |
| KC2065 | 50.00 | R | 80+28.000 | SANDY SPRINGS CIRCLE |
| | 45.45 | | N 76°9'48.5" E | |
| KC2129 | 85.00 | R | 80+57.000 | SANDY SPRINGS CIRCLE |
| | 22.34 | | N 26°18'27.5" E | |
| KC2130 | 85.00 | R | 80+79.335 | SANDY SPRINGS CIRCLE |
| | 8.72 | | S 87°09'52.0" E | |
| KC2068 | 93.00 | R | 80+82.809 | SANDY SPRINGS CIRCLE |
| | 31.81 | | S 26°18'27.5" W | |
| KC2072 | 93.00 | R | 80+51.000 | SANDY SPRINGS CIRCLE |
| | 13.60 | | N 80°47'42.3" W | |
| KC2071 | 80.00 | R | 80+47.000 | SANDY SPRINGS CIRCLE |
| | 32.56 | | S 68°49'05.1" W | |
| KC2070 | 58.00 | R | 80+23.000 | SANDY SPRINGS CIRCLE |
| | 97.24 | | S 26°18'27.5" W | |
| KC2062 | 58.00 | R | 79+25.759 | SANDY SPRINGS CIRCLE |
| | 8.00 | | N 63°57'15.7" W | |
| KC2061 | 50.00 | R | 79+25.723 | SANDY SPRINGS CIRCLE |

REQD EASMT = 1323.15 SF
REQD EASMT = 0.030 ACRES

TOTAL DRIVEWAY EASEMENTS = 0

# PARCEL 7
# CITY OF SANDY SPRINGS
## See Sheets 2 & 5

**********
PARCEL 7 EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES PE7
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2075 | 63.87 | R | 81+30.120 | SANDY SPRINGS CIRCLE |
| | 33.23 | | N 30°26'56.2" W | |
| KC2076 | 36.07 | R | 81+48.340 | SANDY SPRINGS CIRCLE |
| | 343.75 | | N 26°12'33.8" E | |
| KC2077 | 35.48 | R | 84+92.085 | SANDY SPRINGS CIRCLE |
| | 28.61 | | S 4°10'46.0" E | |
| KC2078 | 50.00 | R | 84+67.426 | SANDY SPRINGS CIRCLE |
| | 117.43 | | S 26°18'27.5" W | |
| KC2079 | 50.00 | R | 83+50.000 | SANDY SPRINGS CIRCLE |
| | 25.96 | | S 10°39'55.4" W | |
| KC2080 | 57.00 | R | 83+25.000 | SANDY SPRINGS CIRCLE |
| | 25.96 | | S 41°56'59.6" W | |
| KC2081 | 50.00 | R | 83+00.000 | SANDY SPRINGS CIRCLE |
| | 50.00 | | S 26°18'27.5" W | |
| KC2082 | 50.00 | R | 82+50.000 | SANDY SPRINGS CIRCLE |
| | 50.99 | | S 14°59'51.7" W | |
| KC2083 | 60.00 | R | 82+00.000 | SANDY SPRINGS CIRCLE |
| | 45.89 | | S 37°37'03.2" W | |
| KC2084 | 51.00 | R | 81+55.000 | SANDY SPRINGS CIRCLE |
| | 32.31 | | S 27°16'49.4" E | |
| KC2085 | 77.00 | R | 81+35.823 | SANDY SPRINGS CIRCLE |
| | 14.32 | | N 87°09'52.0" W | |
| KC2075 | 63.87 | R | 81+30.120 | SANDY SPRINGS CIRCLE |

REQD EASMT = 5768.13 SF
REQD EASMT = 0.132 ACRES

TOTAL DRIVEWAY EASEMENTS = 0

# PARCEL 8
# CITY OF SANDY SPRINGS
## See Sheets 2, 5 & 6

**********
PARCEL 8 EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES PE8
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2077 | 35.48 | R | 84+92.085 | SANDY SPRINGS CIRCLE |
| | 155.39 | | N 26°12'33.8" E | |
| KC2086 | 35.22 | R | 86+47.479 | SANDY SPRINGS CIRCLE |
| | 16.88 | | N 87°26'49.4" E | |
| KC2087 | 50.00 | R | 86+55.627 | SANDY SPRINGS CIRCLE |
| | 188.20 | | S 26°18'27.5" W | |
| KC2078 | 50.00 | R | 84+67.426 | SANDY SPRINGS CIRCLE |
| | 28.61 | | N 4°10'46.0" W | |
| KC2077 | 35.48 | R | 84+92.085 | SANDY SPRINGS CIRCLE |

REQD EASMT = 2515.87 SF
REQD EASMT = 0.058 ACRES

TOTAL DRIVEWAY EASEMENTS = 0

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

Michael Baker INTERNATIONAL
SANDY SPRINGS GEORGIA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
| 02-10-2017 | REMOVED PERMANENT EASEMENT AND REVISED DRIVEWAY EASEMENT ON PARCEL 4 | | |
| 10-23-2017 | REVISED REQUIRED R/W, ADDED PERMANENT EASEMENT AND AND REVISED DRIVEWAY EASEMENT ON PARCEL 4 | | |
| 03-07-2018 | CONVERTED PERMANENT TO TEMPORARY EASEMENT ON PARCEL 4 | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

RIGHT OF WAY MAP

PROJECT NO: 0010385
COUNTY: FULTON
LAND LOT NO: 89
LAND DISTRICT: 17
GMD
DATE 07-31-15 SH 8 OF 9

DRAWING No. 60-008

## PARCEL 10
## 140 HILDERBRAND, LLC
See Sheets 2 & 6

**********
PARCEL 10 REQUIRED RIGHT OF WAY RW10
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2088 | 35.14 | R | 86+93.109 | SANDY SPRINGS CIRCLE |
| | 144.93 | | N 26°12'33.8" E | |
| KC2094 | 34.89 | R | 88+38.035 | SANDY SPRINGS CIRCLE |
| | 15.54 | | N 83°49'48.5" E | |
| KC2095 | 48.00 | R | 88+46.381 | SANDY SPRINGS CIRCLE |
| | 128.38 | | S 26°18'27.5" W | |
| KC2066 | 48.00 | R | 87+18.000 | SANDY SPRINGS CIRCLE |
| | 16.41 | | S 20°41'44.8" E | |
| KC2091 | 60.00 | R | 87+06.811 | SANDY SPRINGS CIRCLE |
| | 28.39 | | S 87°26'49.4" W | |
| KC2088 | 35.14 | R | 86+93.109 | SANDY SPRINGS CIRCLE |

REQD R/W = 1998.02 SF
REQD R/W = 0.046 ACRES
REMAINDER = +/- 0.354 ACRES

**********
PARCEL 10 EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES PE10
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2091 | 60.00 | R | 87+06.811 | SANDY SPRINGS CIRCLE |
| | 16.41 | | N 20°41'44.8" W | |
| KC2066 | 48.00 | R | 87+18.000 | SANDY SPRINGS CIRCLE |
| | 128.38 | | N 26°18'27.5" E | |
| KC2095 | 48.00 | R | 88+46.381 | SANDY SPRINGS CIRCLE |
| | 11.85 | | N 83°49'48.5" E | |
| KC2096 | 58.00 | R | 88+52.746 | SANDY SPRINGS CIRCLE |
| | 139.75 | | S 26°18'27.5" W | |
| KC2093 | 58.00 | R | 87+13.000 | SANDY SPRINGS CIRCLE |
| | 6.47 | | S 11°52'23.8" E | |
| KC2092 | 62.00 | R | 87+07.913 | SANDY SPRINGS CIRCLE |
| | 2.28 | | S 87°26'49.4" W | |
| KC2091 | 60.00 | R | 87+06.811 | SANDY SPRINGS CIRCLE |

REQD EASMT = 1373.87 SF
REQD EASMT = 0.032 ACRES
TOTAL DRIVEWAY EASEMENTS = 0

## PARCEL 11
## RICHARD BEAVERS
See Sheets 2 & 6

**********
PARCEL 11 REQURIED RIGHT OF WAY RW11
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2139 | 45.00 | R | 88+44.471 | SANDY SPRINGS CIRCLE |
| | 126.51 | | N 26°18'27.5" E | |
| KC2187 | 45.00 | R | 89+70.986 | SANDY SPRINGS CIRCLE |
| | 3.69 | | N 80°46'53.0" E | |
| KC2186 | 48.00 | R | 89+73.128 | SANDY SPRINGS CIRCLE |
| | 73.13 | | S 26°18'27.5" W | |
| KC2132 | 48.00 | R | 89+00.000 | SANDY SPRINGS CIRCLE |
| | 7.00 | | S 63°41'32.5" E | |
| KC2133 | 55.00 | R | 89+00.000 | SANDY SPRINGS CIRCLE |
| | 28.60 | | S 10°09'41.8" E | |
| KC2134 | 72.00 | R | 88+77.000 | SANDY SPRINGS CIRCLE |
| | 30.13 | | S 58°23'10.5" W | |
| KC2131 | 56.00 | R | 88+51.473 | SANDY SPRINGS CIRCLE |
| | 13.04 | | S 83°49'48.5" W | |
| KC2139 | 45.00 | R | 88+44.471 | SANDY SPRINGS CIRCLE |

REQD R/W = 1165.20 SF
REQD R/W = 0.027 ACRES
REMAINDER = +/- 0.157 ACRES

**********
PARCEL 11 EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES PE11
**********

| PNT | OFFSET/ DIST | | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|---|
| KC2132 | 48.00 | R | 89+00.000 | SANDY SPRINGS CIRCLE |
| | 73.13 | | N 26°18'27.5" E | |
| KC2186 | 48.00 | R | 89+73.128 | SANDY SPRINGS CIRCLE |
| | 30.43 | | N 80°46'53.0" E | |
| KC2188 | 72.77 | R | 89+90.812 | SANDY SPRINGS CIRCLE |
| | 20.26 | | S 55°07'59.7" W | |
| KC2106 | 63.00 | R | 89+73.061 | SANDY SPRINGS CIRCLE |
| | 18.98 | | S 26°18'35.8" W | |
| KC2105 | 63.00 | R | 89+54.077 | SANDY SPRINGS CIRCLE |
| | 8.92 | | S 86°20'00.3" W | |
| KC2104 | 55.27 | R | 89+49.620 | SANDY SPRINGS CIRCLE |
| | 1.35 | | S 6°19'33.1" E | |
| KC2103 | 56.00 | R | 89+48.480 | SANDY SPRINGS CIRCLE |
| | 9.45 | | S 84°08'52.8" W | |
| KC2102 | 48.00 | R | 89+43.450 | SANDY SPRINGS CIRCLE |
| | 13.56 | | S 4°17'11.3" E | |
| KC2101 | 54.90 | R | 89+31.780 | SANDY SPRINGS CIRCLE |
| | 3.59 | | N 85°53'26.1" E | |
| KC2100 | 58.00 | R | 89+33.600 | SANDY SPRINGS CIRCLE |
| | 37.66 | | S 26°18'27.5" W | |
| KC2135 | 58.00 | R | 88+95.941 | SANDY SPRINGS CIRCLE |
| | 5.05 | | N 10°09'41.8" W | |
| KC2133 | 55.00 | R | 89+00.000 | SANDY SPRINGS CIRCLE |
| | 7.00 | | N 63°41'32.5" W | |
| KC2132 | 48.00 | R | 89+00.000 | SANDY SPRINGS CIRCLE |

REQD EASMT = 864.10 SF
REQD EASMT = 0.020 ACRES

## PARCEL 11
## RICHARD BEAVERS
See Sheets 2 & 6

**********
PARCEL 11 EASEMENT FOR CONSTRUCTION & DEMOLITION TE11
**********

| PNT | OFFSET | | STATION | ALIGNMENT |
|---|---|---|---|---|
| KC2131 | 56.00 | R | 88+51.473 | SANDY SPRINGS CIRCLE |
| KC2134 | 72.00 | R | 88+77.000 | SANDY SPRINGS CIRCLE |
| KC2135 | 58.00 | R | 88+95.941 | SANDY SPRINGS CIRCLE |
| KC2100 | 58.00 | R | 89+33.600 | SANDY SPRINGS CIRCLE |
| KC2101 | 54.90 | R | 89+31.780 | SANDY SPRINGS CIRCLE |
| KC2102 | 48.00 | R | 89+43.450 | SANDY SPRINGS CIRCLE |
| KC2103 | 56.00 | R | 89+48.480 | SANDY SPRINGS CIRCLE |
| KC2104 | 55.27 | R | 89+49.620 | SANDY SPRINGS CIRCLE |
| KC2105 | 63.00 | R | 89+54.077 | SANDY SPRINGS CIRCLE |
| KC2106 | 63.00 | R | 89+73.061 | SANDY SPRINGS CIRCLE |
| KC2188 | 72.77 | R | 89+90.812 | SANDY SPRINGS CIRCLE |
| KC2189 | 85.52 | R | 89+99.644 | SANDY SPRINGS CIRCLE |
| KC2144 | 129.11 | R | 88+98.007 | SANDY SPRINGS CIRCLE |
| KC2131 | 56.00 | R | 88+51.473 | SANDY SPRINGS CIRCLE |

REQD EASMT AREA = 5986.00 SF

TOTAL DRIVEWAY EASEMENTS = 1

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS — C — F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

Michael Baker INTERNATIONAL
SANDY SPRINGS GEORGIA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
| 02-10-2016 | REVISED EXISTING RIGHT OF WAY AND REQUIRED RIGHT OF WAY | | |
| | ON PARCEL 11 | | |
| 02-10-2017 | ADDED TEMPORARY EASEMENT ON PARCEL 11 | | |
| 09-28-2017 | REVISED EXISTING RIGHT OF WAY, REQUIRED RIGHT OF WAY, | | |
| | PERMANENT EASEMENT, AND TEMPORARY EASEMENT ON PARCEL 11 | | |

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS
RIGHT OF WAY MAP
PROJECT NO: 0010385
COUNTY:FULTON
LAND LOT NO: 89
LAND DISTRICT: 17
GMD
DATE 07-31-15 SH 9 OF 9

DRAWING No. 60-009