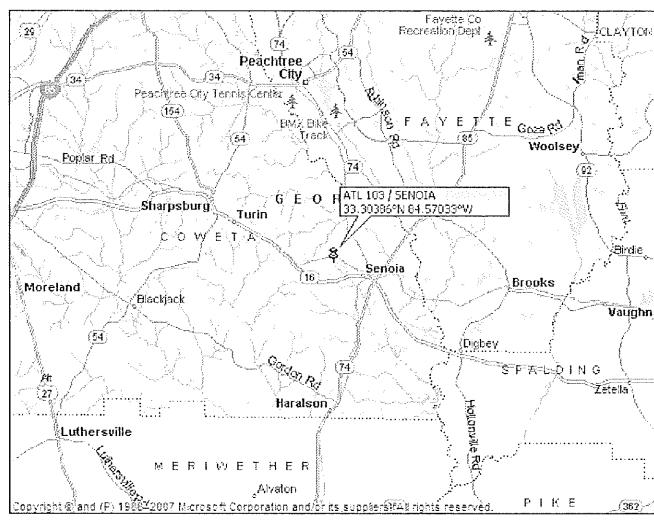


LOCATION MAP

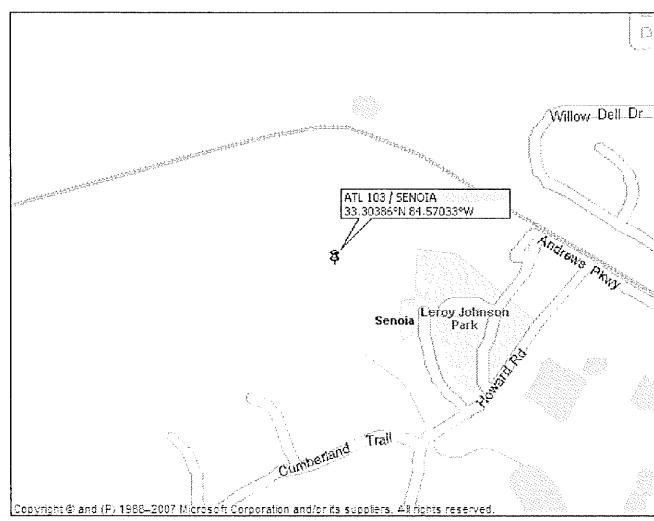


PREPARED FOR:

Municipal Communications LLC

3495 Piedmont Road NE | Eleven Piedmont Center
Suite 411
Atlanta, GA 30305
(404) 995-1892

VICINITY MAP



SITE NUMBER:

ATL 003

SITE NAME:

SENOIA

SITE ADDRESS:

310 HOWARD ROAD
SENOIA, GA 30276

PROPOSED RAWLAND 340 FT. SELF SUPPORT TOWER SITE

PREPARED BY:



30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

DRIVE DIRECTIONS

FOLLOW BASIC DIRECTIONS TO THE MAIN ENTRANCE OF LEROY JOHNSON PARK OFF HOWARD ROAD. FOLLOW THE ACCESS ROAD TO THE MANAGEMENT BUILDING. ACCESS TO THE TOWER SITE IS THROUGH THE EXISTING PARKING LOT ON THE LEFT. FOLLOW THE GRAVEL ACCESS ROAD BACK TO THE TREELINE TO THE EXISTING GRAVEL ROAD AND TURN LEFT. FOLLOW THE EXISTING GRAVEL ROAD TO THE TOWER SITE ON THE LEFT.

DEPARTMENT	NAME / SIGNATURE	DATE
LAND OWNER / TOWER OWNER		
SITE ACQUISITION AGENT		
ZONING / PERMITTING AGENT		
PROGRAM MANAGER		
PRECONSTRUCTION MANAGER		
RF ENGINEER		

PROJECT INFORMATION

SITE ADDRESS: 310 HOWARD ROAD
SENOIA, GA 30276

PARCEL ID: 162 1248 001
162 1249 0001
162 1248 095
162 1248 002A

CURRENT USE: PARKS & RECREATIONAL & INDUSTRIAL
LAND OWNER: CITY OF SENOIA GEORGIA
80 MAIN STREET
SENOIA, GA 30276
770-591-3679

LEASE HOLDER: COWETA COUNTY GEORGIA
22 EAST BROAD STREET
NEWNAN, GA 30263
770-254-2601

TOWER OWNER: MUNICIPAL COMMUNICATIONS LLC
3495 PIEDMONT ROAD NE
ELEVEN PIEDMONT CENTER, SUITE 411
ATLANTA, GA 30305
HARRY STAMPER
404-995-1892

ENGINEER: PM&A
30 MANSELL COURT, SUITE 103
ROSWELL, GA 30076
PATRICK W MARSHALL, P.E.
678-280-2325

LATITUDE: 33° 18' 13.9" (NAD83)
LONGITUDE: 84° 34' 13.2" (NAD83)
ELEVATION: 878' AMSL (NAVD88)

ZONING CLASSIFICATION: PR (PARKS & RECREATIONAL)
& INDUSTRIAL

PERMIT JURISDICTION: COWETA COUNTY

POWER COMPANY: COWETA-FAYETTE EMC
TELEPHONE COMPANY: AT&T

DRAWING INDEX

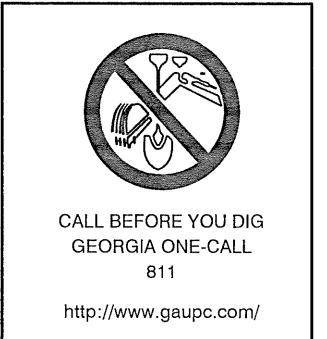
- | NUM | DATE | DESCRIPTION |
|-----|--------|--------------------------------------|
| A | 1/3/11 | ISSUED FOR PRELIMINARY REVIEW |
| O | 1/5/11 | ISSUED FOR PERMITTING & CONSTRUCTION |
- T-1 TITLE SHEET & PROJECT INFORMATION
 - SURVEY
 - C-1 GENERAL NOTES
 - C-2 OVERALL SITE PLAN
 - C-3 DETAILED SITE PLAN
 - C-4 TOWER ELEVATION & DETAILS
 - C-5 GRADING & EROSION CONTROL PLAN
 - C-5A GRADING & EROSION CONTROL PLAN
 - C-6 GRADING & EROSION CONTROL DETAILS
 - C-7 GRADING & EROSION CONTROL SPECIFICATIONS
 - C-8 FENCE DETAILS
 - E-1 ELECTRICAL Specs & ONE-LINE DIAGRAM
 - E-2 ELECTRICAL SITE PLAN
 - E-3 GROUNDING NOTES
 - E-4 GROUNDING SITE PLAN
 - E-5 GROUNDING DETAILS
 - E-6 MULTI-TENANT UTILITY FRAME DETAILS

**TITLE SHEET &
PROJECT INFORMATION**

SITE NAME:
ATL 003 / SENOIA

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM
JOB #: MC001

T-1



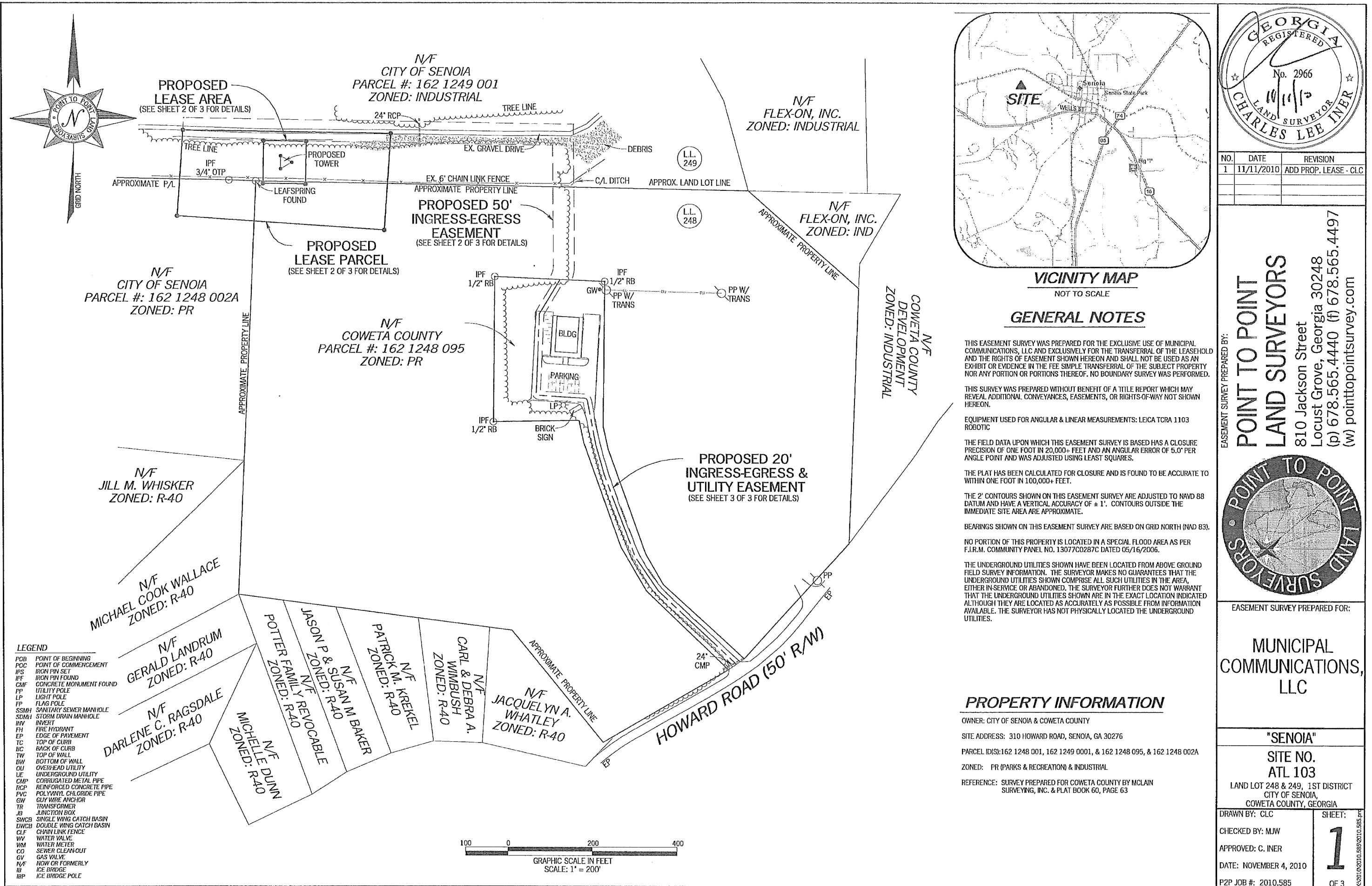
CALL BEFORE YOU DIG
GEORGIA ONE-CALL
811

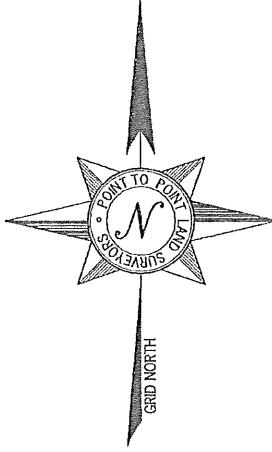
<http://www.gaupc.com/>



PM&A
30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

Municipal Communications LLC
3495 Piedmont Road NE | Eleven Piedmont Center
Suite 411
Atlanta, GA 30305
(404) 995-1892





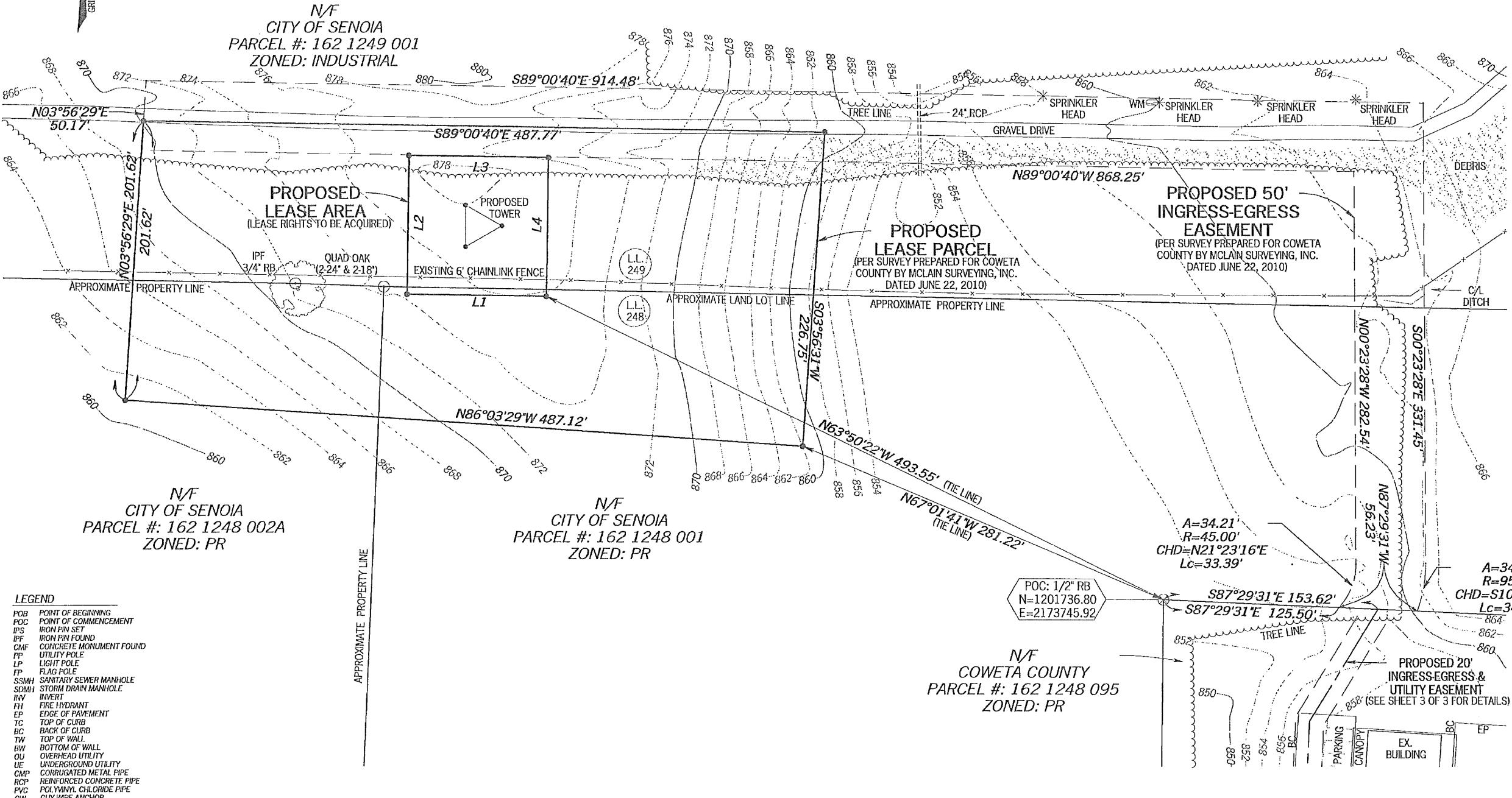
SITE INFORMATION

LINE	BEARING	DISTANCE
L1	N89°00'40"W	100.00'
L2	N00°59'20"E	100.00'
L3	S89°00'40"E	100.00'
L4	S00°59'20"W	100.00'

PROPOSED LEASE AREA = 10,000 SQUARE FEET (0.2296 ACRES)

LATITUDE = 33°18'13.9" (NAD 83)
AT CENTER OF PROPOSED TOWER
LONGITUDE = 84°34'13.2" (NAD 83)

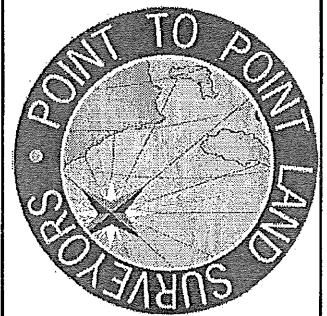
ELEVATION AT CENTER OF PROPOSED TOWER = 878' A.M.S.L.



EASEMENT SURVEY PREPARED BY:

POINT TO POINT
LAND SURVEYORS

810 Jackson Street
Locust Grove, Georgia 30248
(p) 678.565.4440 (f) 678.565.4497
(w) pointtopointsurveyc.com



EASEMENT SURVEY PREPARED FOR:

MUNICIPAL
COMMUNICATIONS,
LLC

"SENOIA"

SITE NO.
ATL 103

LAND LOT 248 & 249, 1ST DISTRICT
CITY OF SENOIA,
COWETA COUNTY, GEORGIA

DRAWN BY: CLC	SHEET: 1 2
CHECKED BY: MJW	
APPROVED: C. INER	
DATE: NOVEMBER 4, 2010	
P2P JOB #: 2010.585	OF 3 K2010.585

PROPOSED LEASE PARCEL

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN LAND LOTS 248 AND 249, 1ST DISTRICT, CITY OF SENOIA, COWETA COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2 INCH REBAR FOUND, SAID REBAR HAVING A GEORGIA STATE PLANE COORDINATE VALUE OF N=1201736.80, E=2173745.92; THENCE ALONG A TIE LINE, NORTH 67°01'41" WEST, 281.22 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, NORTH 86°03'29" WEST, 487.12 FEET TO A POINT; THENCE, NORTH 03°56'29" EAST, 201.62 FEET TO A POINT; THENCE, SOUTH 89°00'40" EAST, 487.77 FEET TO A POINT; THENCE, SOUTH 03°56'31" WEST, 226.75 FEET TO A POINT AND THE TRUE POINT OF BEGINNING.

SAID TRACT CONTAINS 2.3952 ACRES (104,334 SQUARE FEET), MORE OR LESS.

PROPOSED 50' INGRESS-EGRESS EASEMENT

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN LAND LOTS 248 AND 249, 1ST DISTRICT, CITY OF SENOIA, COWETA COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2 INCH REBAR FOUND, SAID REBAR HAVING A GEORGIA STATE PLANE COORDINATE VALUE OF N=1201736.80, E=2173745.92; THENCE ALONG A TIE LINE, NORTH 67°01'41" WEST, 281.22 FEET TO A POINT; THENCE, NORTH 86°03'29" WEST, 201.62 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; NORTH 03°56'29" EAST, 50.17 FEET TO A POINT; THENCE, SOUTH 89°00'40" EAST, 914.48 FEET TO A POINT; THENCE, SOUTH 00°23'28" EAST, 331.45 FEET TO A POINT; THENCE, 34.61 FEET ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 95.00 FEET AND BEING SCRIBED BY A CHORD BEARING SOUTH 10°02'48" WEST, 34.42 FEET TO A POINT; THENCE, NORTH 87°29'31" WEST, 56.23 FEET TO A POINT; THENCE, 34.21 FEET ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 45.00 FEET AND BEING SCRIBED BY A CHORD BEARING NORTH 21°23'16" EAST, 33.39 FEET TO A POINT; THENCE, NORTH 00°23'28" WEST, 282.54 FEET TO A POINT; THENCE, NORTH 89°00'40" WEST, 868.25 FEET TO A POINT AND THE TRUE POINT OF BEGINNING.

SAID TRACT CONTAINS 1.4166 ACRES (61,707 SQUARE FEET), MORE OR LESS.

**PROPOSED 20' INGRESS-EGRESS
& UTILITY EASEMENT**

TOGETHER WITH A PROPOSED INGRESS-EGRESS AND UTILITY EASEMENT LYING AND BEING IN LAND LOTS 248 AND 249, 1ST DISTRICT, CITY OF SENOIA, COWETA COUNTY, GEORGIA AND BEING DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

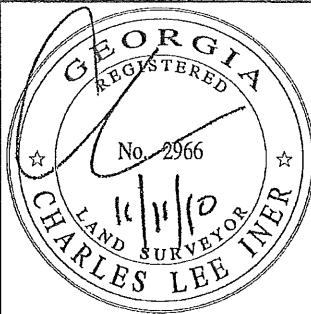
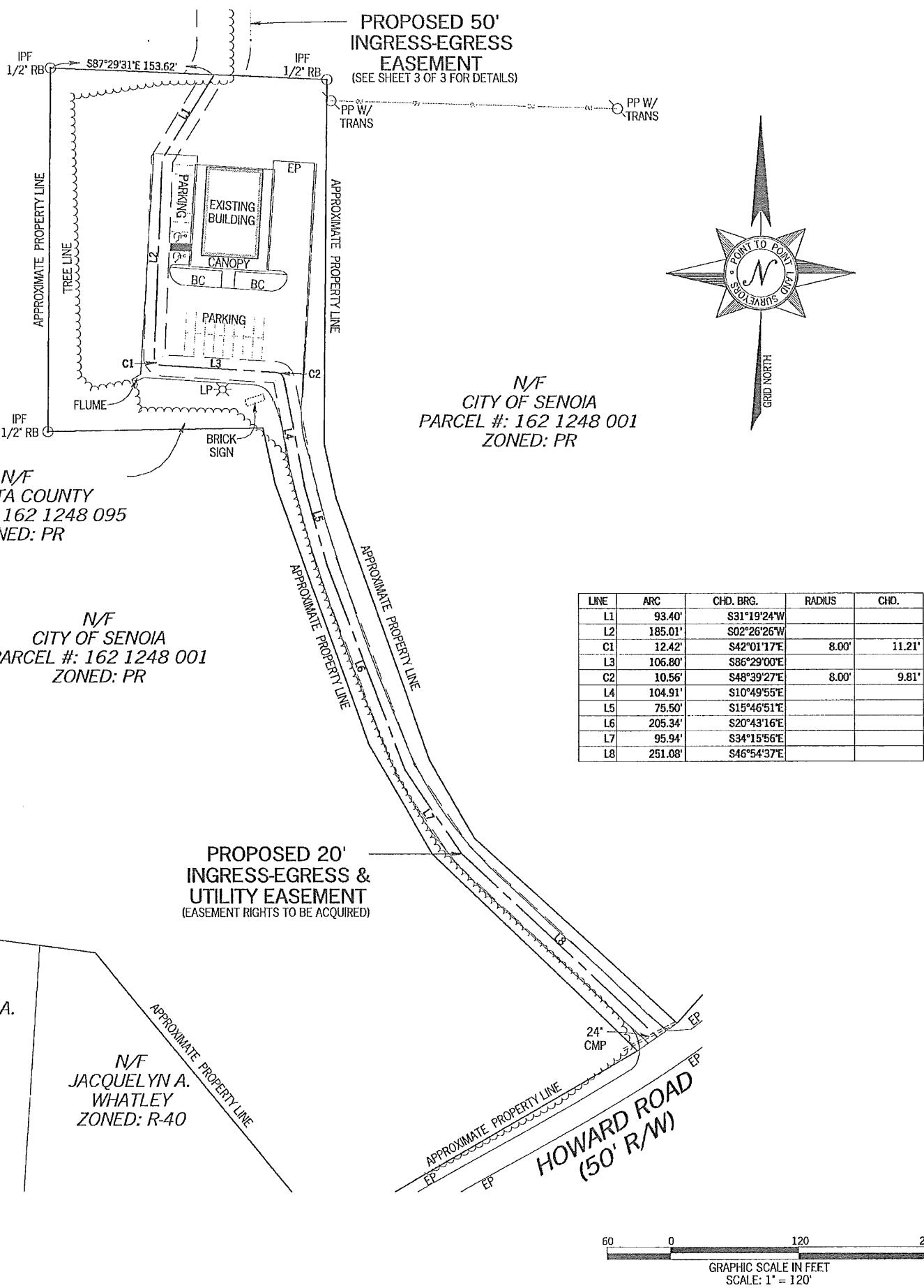
TO FIND THE POINT OF BEGINNING, COMMENCE AT A $\frac{1}{2}$ INCH REBAR FOUND, SAID REBAR HAVING A GEORGIA STATE PLANE COORDINATE VALUE OF N=1201736.80, E=2173745.92; THENCE, SOUTH 87°29'31" EAST, 153.62 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, SOUTH 31°19'24" WEST, 93.40 FEET TO A POINT; THENCE, SOUTH 02°26'26" WEST, 185.01 FEET TO A POINT; THENCE, 12.42 FEET ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 8.00 FEET AND BEING SCRIBED BY A CHORD BEARING SOUTH 42°01'17" EAST, 11.21 FEET TO A POINT; THENCE, SOUTH 86°29'00" EAST, 106.80 FEET TO A POINT; THENCE, 10.56 FEET ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 8.00 FEET AND BEING SCRIBED BY A CHORD BEARING SOUTH 48°39'27" EAST, 9.81 FEET TO A POINT; THENCE, SOUTH 10°49'55" EAST, 104.91 FEET TO A POINT; THENCE, SOUTH 15°46'51" EAST, 75.50 FEET TO A POINT; THENCE, SOUTH 20°43'16" EAST, 205.34 FEET TO A POINT; THENCE, SOUTH 34°15'56" EAST, 95.94 FEET TO A POINT; THENCE, SOUTH 46°54'37" EAST, 251.08 FEET TO THE ENDING AT A POINT ON THE NORTHERN RIGHT-OF-WAY LINE OF HOWARD ROAD (HAVING A 50 FOOT RIGHT-OF-WAY).

PROPOSED LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN LAND LOTS 248 AND 249, 1ST DISTRICT, CITY OF SENOIA, COWETA COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

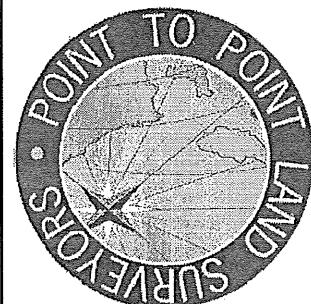
TO FIND THE POINT OF BEGINNING, COMMENCE AT A $\frac{1}{2}$ INCH REBAR FOUND, SAID REBAR HAVING A GEORGIA STATE PLANE COORDINATE VALUE OF N=1201736.80, E=2173745.92; THENCE ALONG A TIE LINE, NORTH $63^{\circ}50'22''$ WEST, 493.55 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, NORTH $89^{\circ}00'40''$ WEST, 100.00 FEET TO A POINT; THENCE, NORTH $00^{\circ}59'20''$ EAST, 100.00 FEET TO A POINT; THENCE, SOUTH $89^{\circ}00'40''$ EAST, 100.00 FEET TO A POINT; THENCE, SOUTH $00^{\circ}59'20''$ WEST, 100.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING.

SAID TRACT CONTAINS 0.2296 ACRES (10,000 SQUARE FEET), MORE OR LESS.



NO.	DATE	REVISION
1	11/11/2010	ADD PROP. LEASE - CLC

EASEMENT SURVEY PREPARED BY:
**POINT TO POINT
LAND SURVEYORS**
810 Jackson Street
Locust Grove, Georgia 30248
(p) 678.565.4440 (f) 678.565.4497
(w) pointtopointsurvey.com



EASEMENT SURVEY PREPARED FOR:

MUNICIPAL
COMMUNICATIONS
C

<h1>"SENOIA"</h1> <h2>SITE NO.</h2> <h3>ATL 103</h3> <p>LAND LOT 248 & 249, 1ST DISTRICT CITY OF SENOIA, COWETA COUNTY, GEORGIA</p>	
DRAWN BY: CLC	SHEET: 3
CHECKED BY: MJW	
APPROVED: C. INER	
DATE: NOVEMBER 4, 2010	
P2P IOR #: 2010 585	

GENERAL NOTES:

1. THE GENERAL CONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
3. THE CONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.
4. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
5. SITE GROUNDING SHALL COMPLY WITH AT&T MOBILITY ATLANTA GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T MOBILITY ATLANTA GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN. GROUNDING SHALL BE COMPLETED BEFORE ERECTION OF THE TOWER.
6. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. IF TEMPORARY LIGHTING AND MARKING IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.
7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
8. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AMPLE NOTICE TO THE BUILDING INSPECTION DEPARTMENT TO SCHEDULE THE REQUIRED INSPECTIONS. A MINIMUM OF 24 HOURS OF NOTICE SHALL BE GIVEN AND THE BUILDING INSPECTION DEPARTMENTS HAVE REQUESTED THAT GROUPS OF TWO OR THREE SITES BE SCHEDULED AT ONE TIME IF POSSIBLE.
10. CONSTRUCTION MANAGER WILL CONFIRM FAA APPROVAL OF TOWER LOCATION BY ISSUING TOWER RELEASE FORM. NO TOWER SHALL BE CONSTRUCTED UNTIL THE TOWER RELEASE FORM IS ISSUED TO THE CONTRACTOR.
11. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS AND TOWER DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.
12. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
13. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
14. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO PROPERTY OUTSIDE THE LEASE PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR.
15. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
16. SEEDING AND MULCHING OF THE SITE SHALL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.
17. FOR ITEMS THAT SHALL BE PROVIDED BY THE OWNER & INSTALLED BY THE CONTRACTOR, SEE "OWNER SUPPLIED MATERIAL LIST" INSERTED IN THIS DRAWING PACKAGE.
18. PERMITS: OBTAIN AND PAY FOR REQUIRED PERMITS, LICENSES, FEES, INSPECTIONS, ETC.
19. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
20. THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED IN THIS DESIGN PACKAGE.

EXCAVATION & GRADING NOTES:

1. ALL CUT AND FILL SLOPES SHALL BE 3 : 1 MAXIMUM.
2. ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUND WATER. Dewatering for excess ground water shall be provided if required.
3. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.
4. ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.
5. AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACK FILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
6. BACK FILL SHALL BE:
 - APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND, GRAVEL, OR SOFT SHALE;
 - FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS;
 - IN LAYERS AND COMPACTED.
7. SITE FILL MATERIAL AND FOUNDATION BACK FILL SHALL BE PLACED IN LAYERS, MAXIMUM 6" DEEP BEFORE COMPACTION. EACH LAYER SHALL BE SPRINKLED IF REQUIRED AND COMPACTED BY HAND OPERATED OR MACHINE TAMERS TO 95% OF MAXIMUM DENSITY, AT THE OPTIMUM MOISTURE CONTENT ±2% AS DETERMINED BY ASTM DESIGNATION D-698, UNLESS OTHERWISE APPROVED. SUCH BACK FILL SHALL NOT BE PLACED BEFORE 3 DAYS AFTER PLACEMENT OF CONCRETE.
8. THE FOUNDATION AREA SHALL BE GRADED TO PROVIDE WATER RUNOFF AND PREVENT WATER FROM STANDING. THE FINAL GRADE SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE FOUNDATION AND SHALL THEN BE COVERED WITH 4" DEEP COMPACTED STONE OR GRAVEL.
9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL CITY, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STAW BALE SEDIMENT BARRIERS AND CHECK DAMS.
10. FILL PREPARATION:
REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED DENSITY.
11. REPLACE THE EXISTING WEARING SURFACE ON AREAS WHICH HAVE BEEN DAMAGED OR REMOVED DURING CONSTRUCTION OPERATIONS. SURFACE SHALL BE REPLACE TO MATCH EXISTING ADJACENT SURFACING AND SHALL BE OF THE SAME THICKNESS. NEW SURFACE SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATERIAL, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL RESURFACING MATERIAL AS REQUIRED. BEFORE SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. SURFACING SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE.
12. PROTECT EXISTING SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.
13. DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED / REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
14. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.
15. ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
16. RIPRAP SHALL BE CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY, AND FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCE.

LEGEND

	FENCE
	CONTOUR LINE
	PROPERTY LINE / ROW
	LEASE AREA
	EASEMENT
	DISCONNECT SWITCH
	METER
	CIRCUIT BREAKER
	CODED NOTE NUMBER
	CHEMICAL GROUND ROD
	GROUND ROD
	GROUND ROD WITH INSPECTION SLEEVE
	CADWELD TYPE CONNECTION
	COMPRESSION TYPE CONNECTION
	GROUND WIRE

GENERAL NOTES

NUM	DATE	DESCRIPTION:
A	1/3/11	ISSUED FOR PRELIMINARY REVIEW
O	1/5/11	

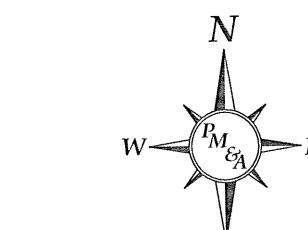
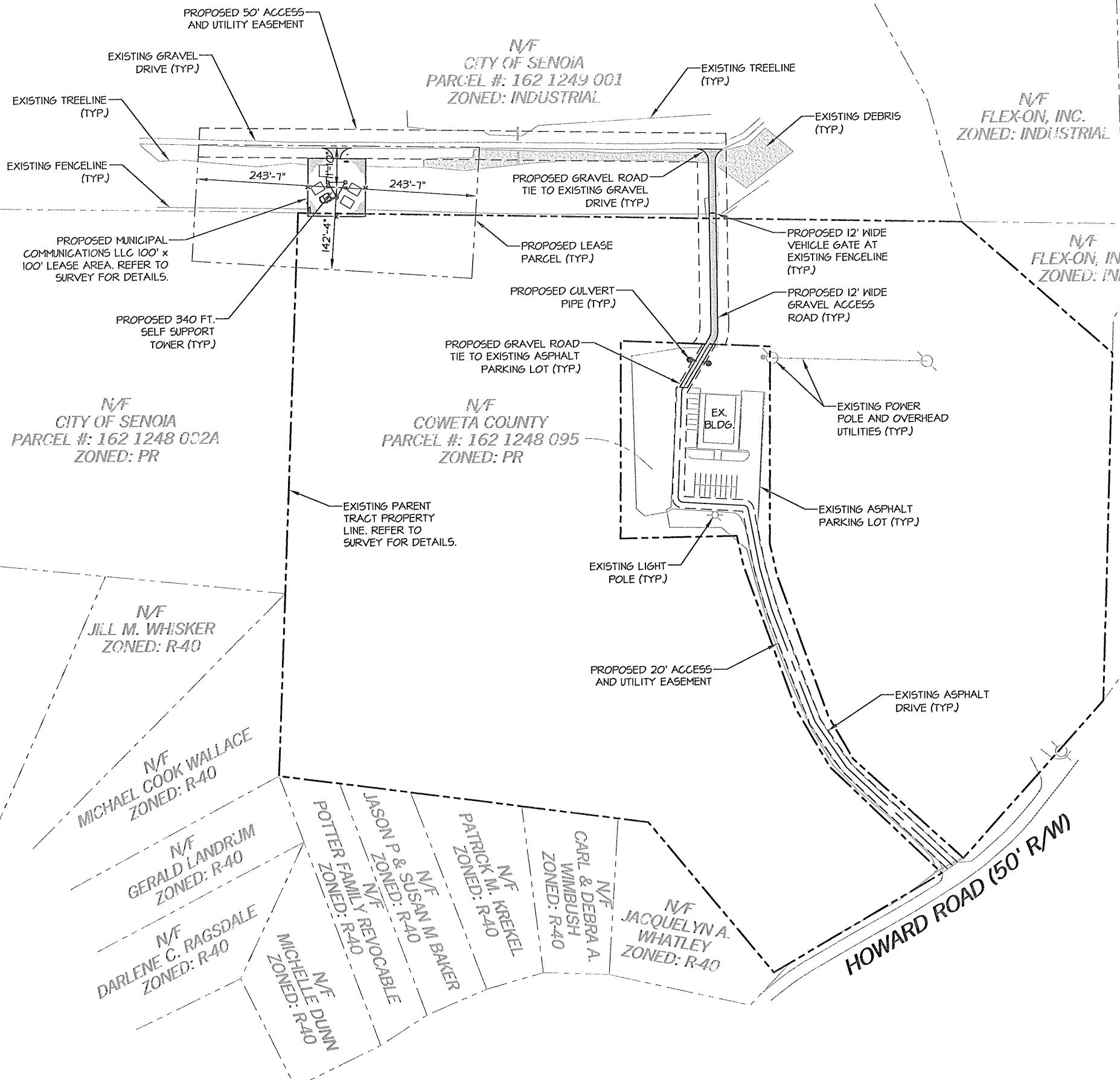
SITE NAME

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM
JOB #: MC001



C-1

NOTE: ALL DIMENSIONS SHOWN ARE FROM THE CENTER OF THE TOWER TO THE PROPERTY LINE (TYP.)



GRAPHIC SCALES

200 0 200

SCALE: 1" = 200'

OVERALL SITE PLAN
SCALE: 1" = 200'

OVERALL SITE PLAN

Municipal Communications LLC

ISSUED FOR PRELIMINARY REVIEW

A 1/20/11 ISSUED FOR PERMITTING & CONSTRUCTION

O

SITE NAME: ATL 003 / SENOIA

NUM: A

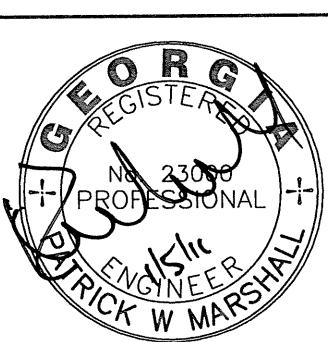
DATE: 1/20/11

DESCRIPTION: ISSUED FOR PRELIMINARY REVIEW

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM

JOB #: MC001

C-2

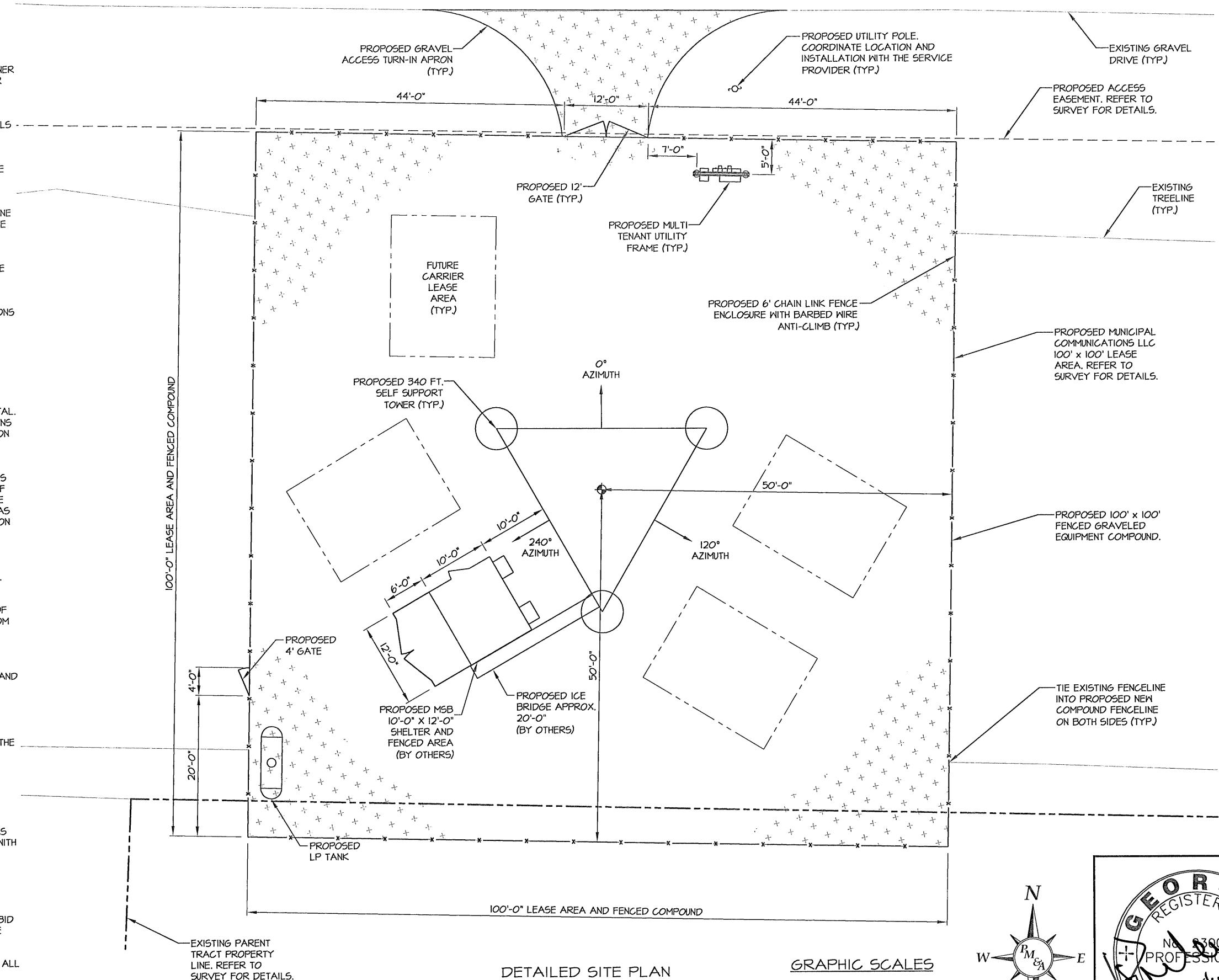


PM&A
30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

3495 Piedmont Road NE | Eleven Piedmont Center
Suite 411
Atlanta, GA 30305
(404) 995-1892

GENERAL CONSTRUCTION NOTES

1. DAMAGE TO ALL UTILITIES, LAND, ACCESS AREAS, AND PROPERTY OF OTHERS DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO THE ORIGINAL CONDITION AT THE COMPLETION OF THE WORK.
2. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL POWER AND TELEPHONE UTILITIES AND THE CONSTRUCTION MANAGER TO CONFIRM THE SOURCE OF SERVICE, PRIOR TO THE INSTALLATION OF ANY CONDUITS.
3. REMOVE ANY EXISTING VEGETATION AND ORGANIC MATERIALS FROM THE SKYWAY GRAVELED LEASE AREA.
4. REGRADE AROUND THE EQUIPMENT PAD AS REQUIRED TO ALLOW A MAXIMUM 4" OF PAD THICKNESS EXTENDING ABOVE THE FINISHED GRADE. REPLACE FILL AROUND SLAB AT THE COMPLETION OF INSTALLATION.
5. THE CONTRACTOR SHALL INSTALL THE POWER AND TELEPHONE SERVICE UNDERGROUND TO THE EQUIPMENT AS SHOWN ON THE ELECTRICAL PLAN.
6. ALL WORK SHALL BE DONE IN A SATISFACTORY AND PROFESSIONAL WORKMANLIKE MANNER. ALL WORK SHALL BE SUBJECT TO INSPECTION DURING CONSTRUCTION AND FINAL APPROVAL BY THE CONSTRUCTION MANAGER.
7. ANY SUBSTITUTIONS OF MATERIALS, EQUIPMENT, OR DEVIATIONS FROM THE DESIGN PLANS OR SPECIFICATIONS SHALL BE COORDINATED AND APPROVED BY THE CONSTRUCTION MANAGER.
8. COLOR SELECTION FOR PAINTED ITEMS SHALL BE MADE BY THE CONSTRUCTION MANAGER.
9. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS SHOWN PRIOR TO BID SUBMITTAL. ANY CONFLICTS, DISCREPANCIES, ERRORS, AND/OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER.
10. CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR EXACT LOCATIONS OF ALL EXISTING UTILITIES WITHIN DISTURBED AREAS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY THE LOCATIONS OF EXISTING UTILITIES BY DIGGING A TEST PIT, AS NECESSARY. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE FOR PLANNING PURPOSES ONLY.
11. THE CONTRACTOR SHALL PROVIDE ANY NECESSARY PROTECTION FOR EXISTING UTILITIES DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL MAINTAIN A CLEAN SET OF CONSTRUCTION DRAWINGS AT THE SITE FOR THE PURPOSE OF DOCUMENTING "AS-BUILT" CONDITIONS AND DEVIATIONS FROM THE ORIGINAL DESIGN. THE REDLINED DRAWINGS SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER AT THE COMPLETION OF THE PROJECT.
13. THE CONTRACTOR SHALL PROTECT ALL SURVEY STATIONS AND CONTROL POINTS DURING CONSTRUCTION AND SHALL REESTABLISH ANY DISTURBED CONTROL POINTS.
14. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GOVERNING LOCAL BUILDING CODE AND ALL APPLICABLE AMENDMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL GOVERNING OFFICIAL FOR LOCAL BUILDING CODE REQUIREMENTS.
15. TOWER AND TOWER FOUNDATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. BEFORE THE ANTENNAS, MOUNTS, OR CABLES ARE PLACED, THE TOWER MUST BE ANALYZED FOR THE PROPOSED LOADS BY A LICENSED STRUCTURAL ENGINEER (BY OTHERS). INSTALL ALL ANTENNAS AND OTHER TOWER-MOUNTED EQUIPMENT IN ACCORDANCE WITH THE TOWER ANALYSIS REPORT.
16. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS INCLUDING SITE ACCESS PRIOR TO BID SUBMITTAL. ANY CHANGES DURING CONSTRUCTION DUE TO AN EXISTING CONDITION WHICH IS VISUALLY ASCERTAINABLE PRIOR TO BID SUBMITTAL, CANNOT BE USED AS THE BASIS FOR A CHANGE ORDER.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL WASTE DEBRIS AND VEGETATION FROM THE SITE. BURIAL AND/OR BURNING OF WASTE MATERIALS IS NOT ACCEPTABLE.

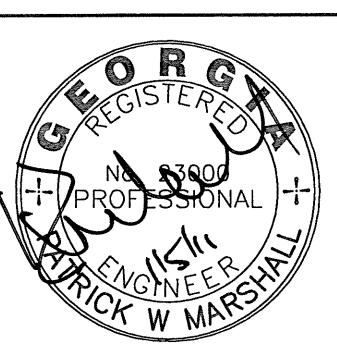
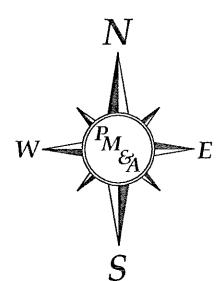


DETAILED SITE PLAN

GRAPHIC SCALES

15 0 15

SCALE: 1" = 15'



C-3

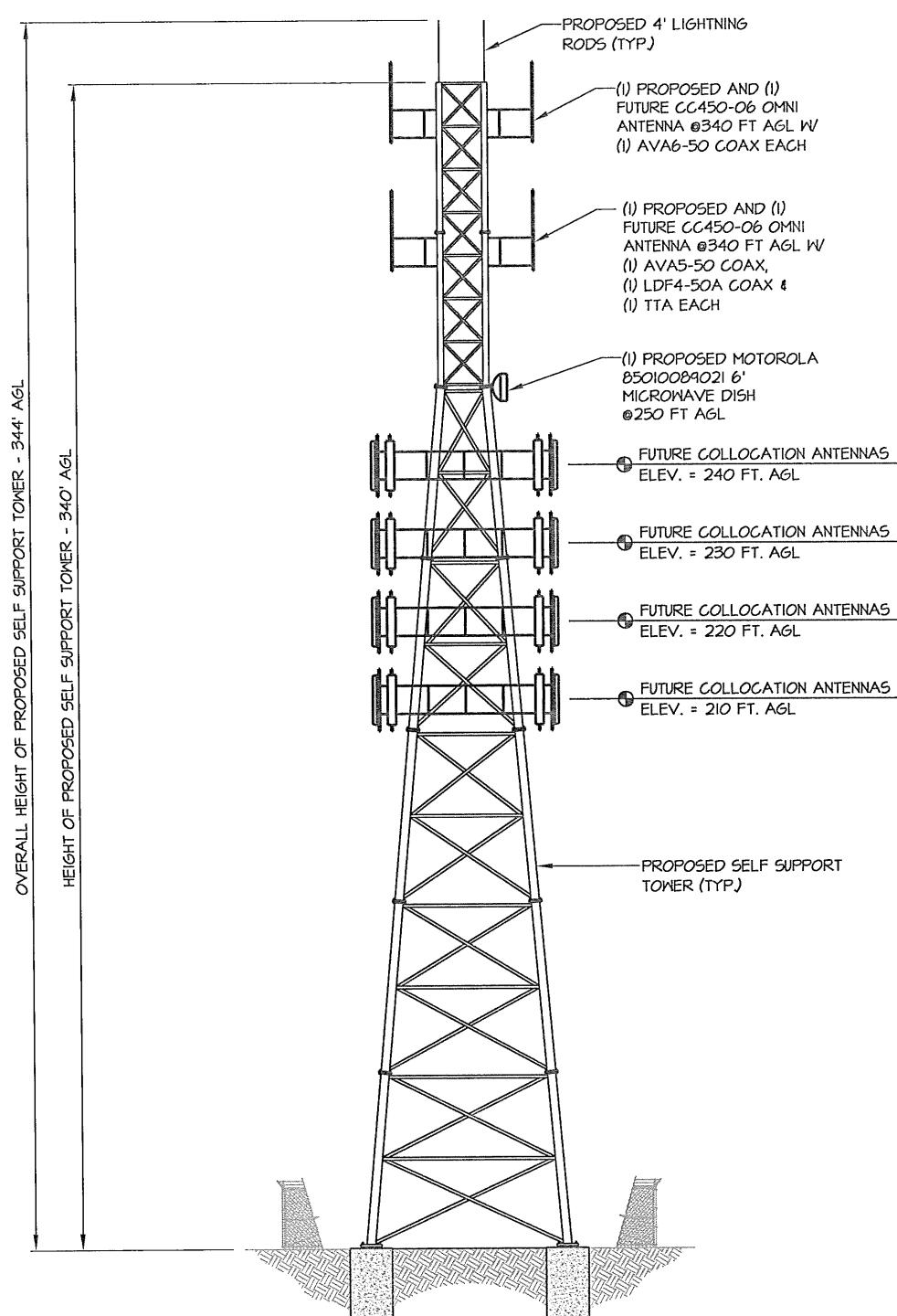
Municipal Communications LLC	3495 Piedmont Road NE Eleven Piedmont Center Suite 411 Atlanta, GA 30305 (404) 995-1892
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ITEM	NUM	DATE	DESCRIPTION:
A	1/31	1/31	ISSUED FOR PRELIMINARY REVIEW
O	1/31	1/31	ISSUED FOR PERMITTING & CONSTRUCTION

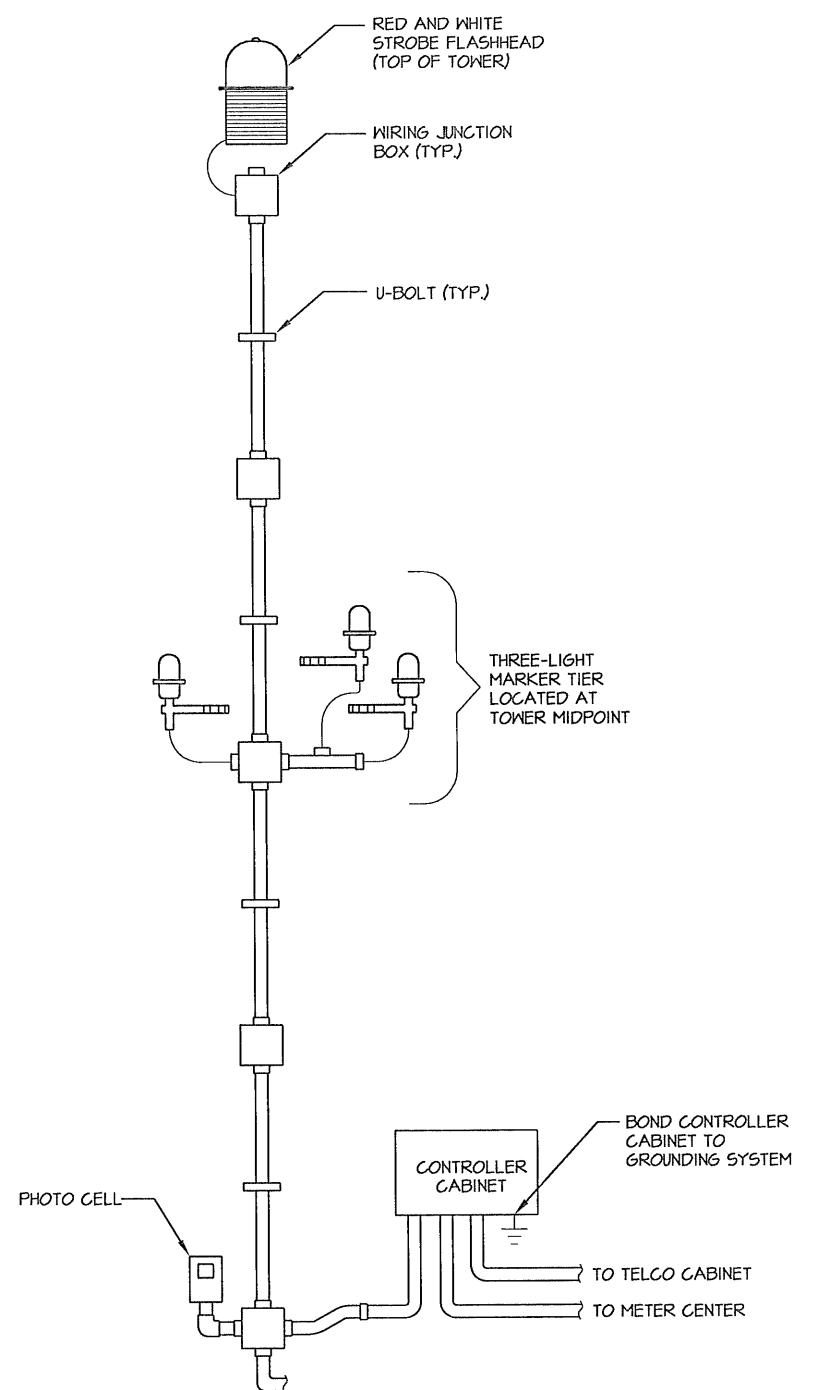
DETAILED SITE PLAN

SITE NAME	DESIGNED:
ATL 003 / SENIOA	AJB
	DRAWN:
	CHECKED:
	JOB #:

AJB
AJB
PWM
MCOO1



TOWER ELEVATION
SCALE: NOT TO SCALE



TOWER LIGHTING SCHEMATIC
SCALE: NOT TO SCALE

TOWER ELEVATION AND DETAILS

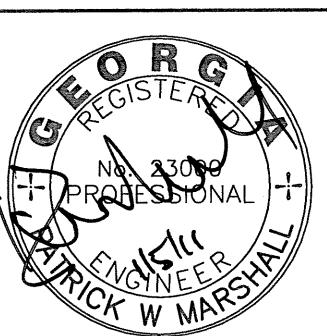
SITE NAME	ATL 003 / SEN01A		NUM	DATE	DESCRIPTION:
	A	1/3/11			
O	1/5/11	ISSUED FOR PERMITTING & CONSTRUCTION			

Municipal Communications LLC

3495 Piedmont Road NE | Eleven Piedmont Center
Suite 411
Atlanta, GA 30305
(404) 995-1892

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM

JOB #: MC001



C-4

Municipal Communications LLC

3495 Piedmont Road NE | Eleven Piedmont Center
Suite 411

GRADING, SEDIMENT & EROSION CONTROL PLAN

SITE NAME: ATL 003 / SEN01A

NUM: A DATE: 1/20/11 DESCRIPTION: ISSUED FOR PRELIMINARY REVIEW

O DATE: 1/5/11 DESCRIPTION: ISSUED FOR PERMITTING & CONSTRUCTION

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM

JOB #: MC001

C-5

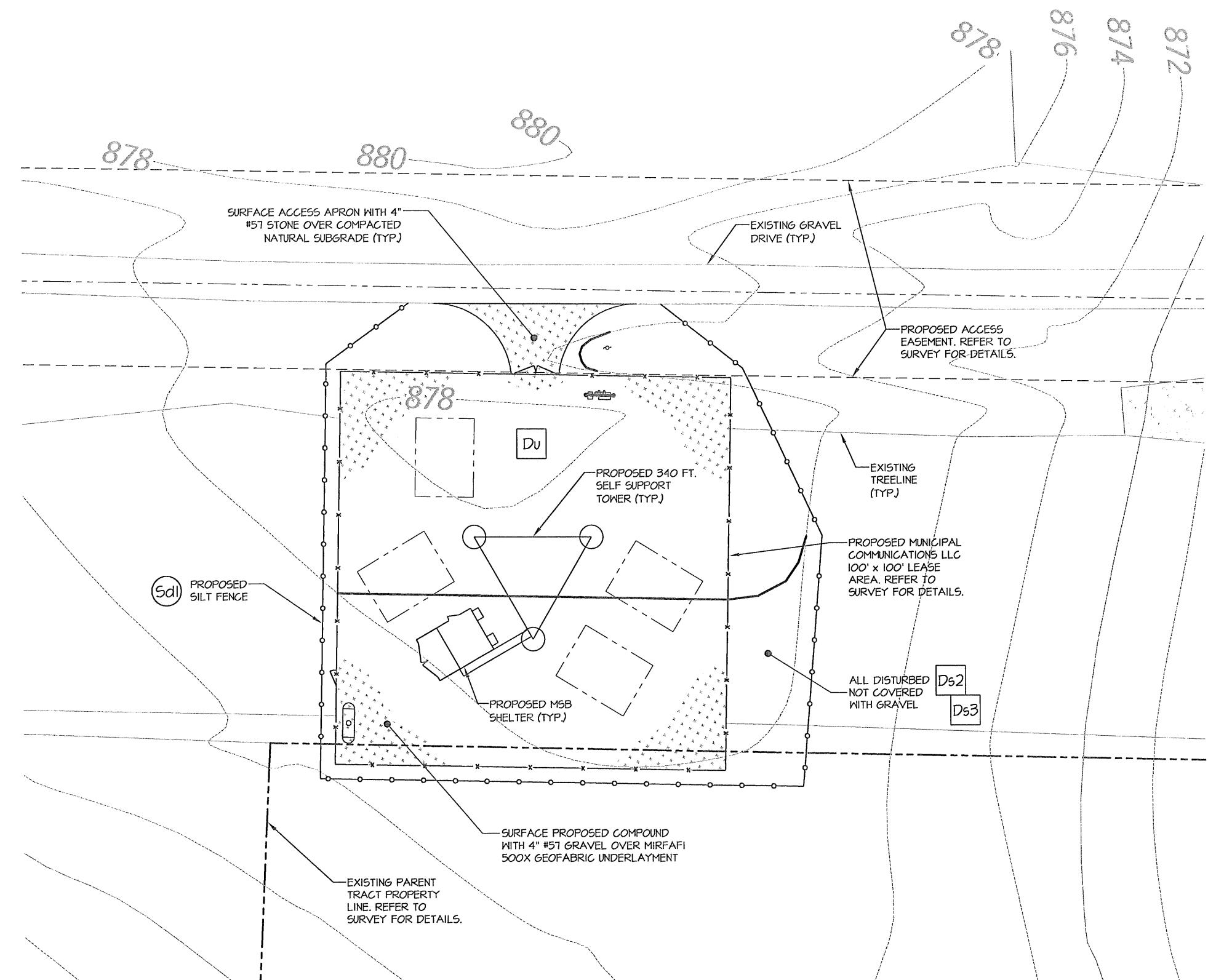
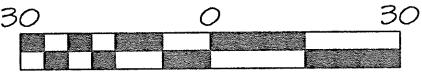
CO CONSTRUCTION EXIT - TO REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION AREA ONTO PUBLIC RIGHT-OF-WAYS, STREETS, ALLEYS, SIDEWALKS, OR PARKING AREAS.

Sd1 TYPE C SEDIMENT BARRIER - TO PREVENT ANY SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE AND ENTERING NATURAL DRAINAGEWAYS OR STORM DRAINAGE SYSTEMS.

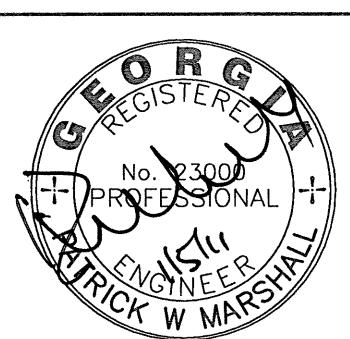
Ds2 DISTURBED AREA STABILIZATION (TEMPORARY) - TO ESTABLISH A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.

Ds3 DISTURBED AREA STABILIZATION (PERMANENT) - TO ESTABLISH A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.

Du DISTURBED AREA DUST CONTROL - TO CONTROL THE SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS, AND SIMILAR SITES.

GRAPHIC SCALES

SCALE: 1" = 30'

EROSION CONTROL PLAN

SCALE: 1" = 30'-0"

GRADING, SEDIMENT & EROSION CONTROL PLAN

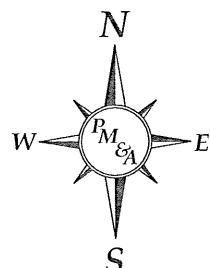
SITE NAME: ATL 003 / SENOIA

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM

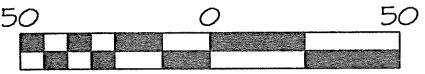
JOB #: MC001

C-5A

N/F
COWETA COUNTY
PARCEL #: 162 1248 095
ZONED: PR



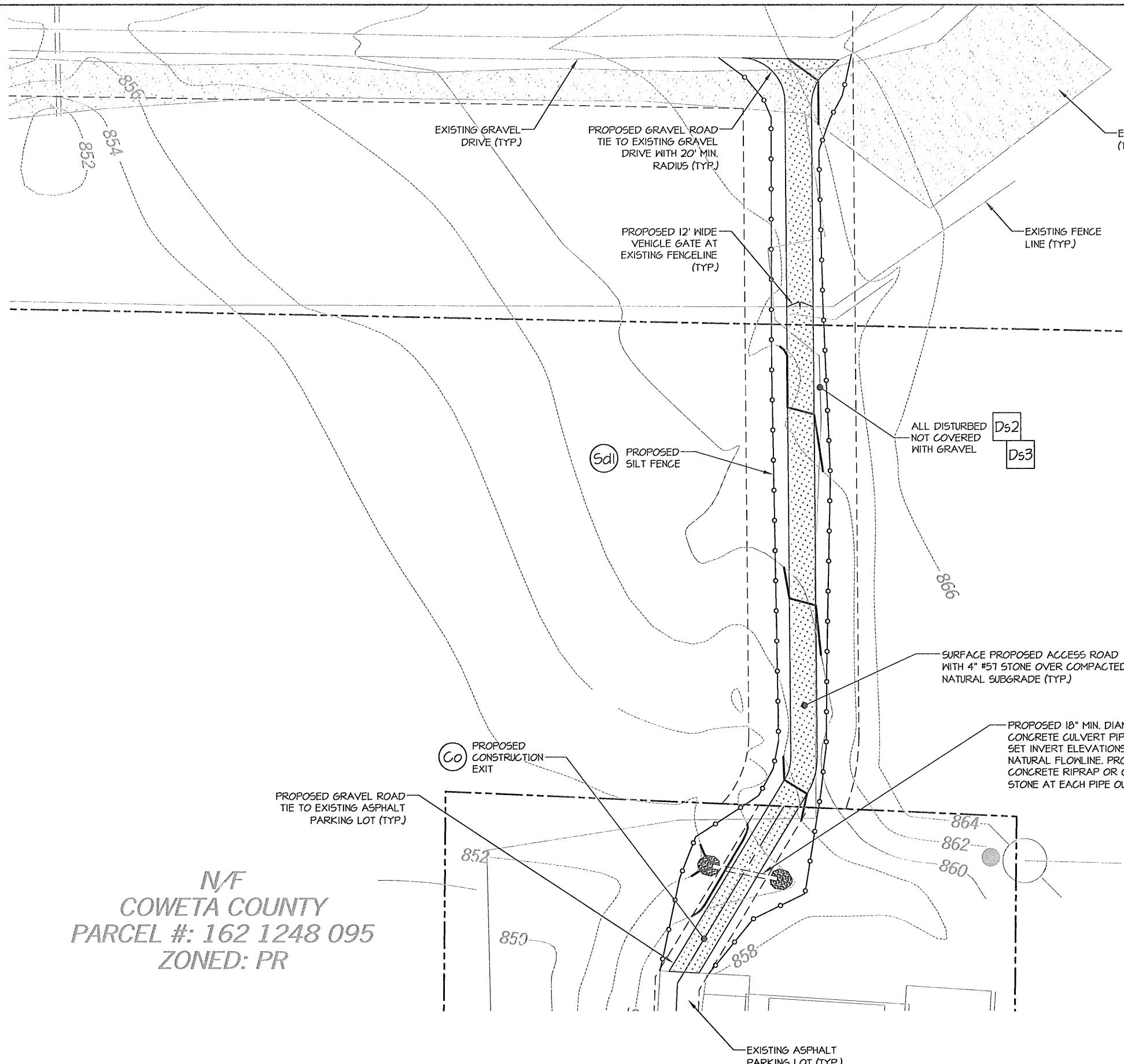
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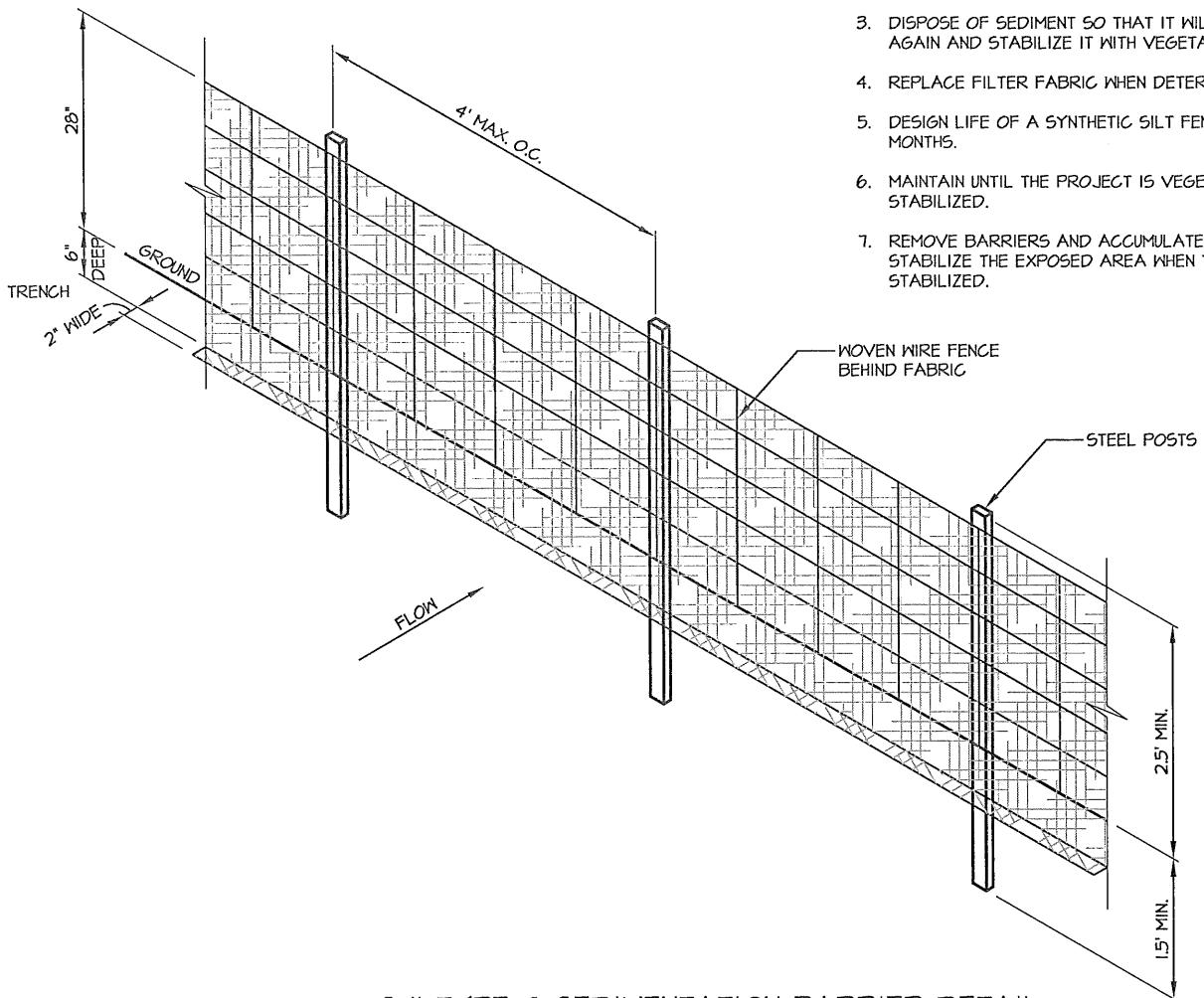


SCALE: 1" = 50'

EROSION CONTROL PLAN

SCALE: 1" = 50'-0"

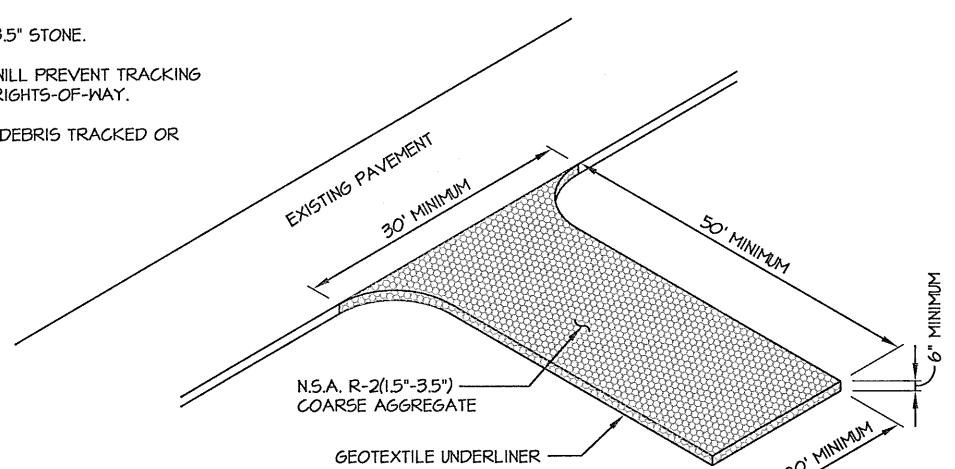




SdI TYPE C SEDIMENTATION BARRIER DETAIL
NOT TO SCALE

MAINTENANCE:

1. PERIODICALLY DRESS WITH 1.5"-3.5" STONE.
2. MAINTAIN IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY.
3. IMMEDIATELY REMOVE MUD AND DEBRIS TRACKED OR SPILLED ONTO ROADWAYS.



CO CONSTRUCTION EXIT DETAIL
NOT TO SCALE

**GRADING, SEDIMENT &
EROSION CONTROL DETAILS**

SITE NAME	ATL 003 / SENOA	NUM	DATE	DESCRIPTION:
A	1/31/11	A	1/31/11	ISSUED FOR PRELIMINARY REVIEW
O	1/31/11	O	1/31/11	ISSUED FOR PERMITTING & CONSTRUCTION

PIEDMONT VEGETATIVE COVERS

CALENDAR MONTH	TEMPORARY SEED	APPLICATION RATE/ACRE	PERMANENT SEED	APPLICATION RATE/ACRE
I. JANUARY	RYE GRASS	40-50 LB.	UNHULLED BERMUDA SERICEA LESPEDEZA ²	8-10 LB. 30-40 LB. ¹
2. FEBRUARY			UNHULLED BERMUDA SERICEA LESPEDEZA ²	8-10 LB. 30-40 LB.
			FESCUE	30-50 LB.
3. MARCH	RYE ANNUAL LESPEDEZA WEEPING LOVE GRASS	2-3 BU. 20-25 LB. 4-6 LB.	UNHULLED BERMUDA SERICEA LESPEDEZA	8-10 LB. 30-40 LB.
			FESCUE	30-50 LB.
4. APRIL	RYE BROWN TOP MILLET ANNUAL LESPEDEZA SUDAN ANNUAL	2-3 BU. 30-40 LB. 20-25 LB. 35 LB.	WEEPING LOVE GRASS HULLED BERMUDA BAHIA	4-6 LB. 5-6 LB. 40-60 LB.
5. MAY	WEEPING LOVE GRASS SUDAN GRASS BROWN TOP MILLET	4-6 LB. 35 LB. 30-40 LB.	WEEPING LOVE GRASS HULLED BERMUDA BAHIA	4-6 LB. 5-6 LB. 40-60 LB.
6. JUNE	WEEPING LOVE GRASS SUDAN GRASS BROWN TOP MILLET	4-6 LB. 35 LB. 30-40 LB.	WEEPING LOVE GRASS HULLED BERMUDA BAHIA	4-6 LB. 5-6 LB. 40-60 LB.
7. JULY	WEEPING LOVE GRASS SUDAN GRASS BROWN TOP MILLET	4-6 LB. 35 LB. 30-40 LB.		
8. AUGUST	RYE GRASS WEEPING LOVE GRASS	40-50 LB. 4-6 LB.	TALL FESCUE	30-50 LB.
9. SEPTEMBER				
10. OCTOBER	WHEAT	2-3 BU.	UNHULLED BERMUDA SERICEA LESPEDEZA ²	8-10 LB. 30-40 LB.
			FESCUE	30-50 LB.
II. NOVEMBER	WHEAT	2-3 BU.	UNHULLED BERMUDA SERICEA LESPEDEZA ²	8-10 LB. 30-40 LB.
			FESCUE	30-50 LB.
12. DECEMBER	RYE RYE GRASS WHEAT	2-3 BU. 40-50 LB. 2-3 BU.	UNHULLED BERMUDA SERICEA LESPEDEZA ²	8-10 LB. 30-40 LB.
			FESCUE	30-50 LB.

¹ USE A MINIMUM OF 40 LBS. SCARIFIED SEED. THE REMAINDER MAY BE UNSCARIFIED, CLEAN HULLED SEED.

² USE EITHER COMMON SERALA OR INTERSTATE SERICEA LESPEDEZA.

Ds2

DISTURBED AREA STABILIZATION
(WITH TEMPORARY SEEDING)

Ds3

DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

GENERAL

THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, SHOULDERS, AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTION. SEEDING WILL BE DONE AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

SOIL CONDITIONS

DUE TO GRADING AND CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL AND SUBSTRATES. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL ARE UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

TREATMENT SPECIFICATIONS

HYDRAULIC SEEDING EQUIPMENT: WHEN HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED, NO GRADING AND SHAPING OR SEEDBED PREPARATION WILL BE REQUIRED. THE FERTILIZER, SEED AND WOOD CELLULOSE FIBER MULCH WILL BE MIXED WITH WATER AND APPLIED IN A SLURRY. ALL SLURRY INGREDIENTS MUST BE COMBINED TO FORM A HOMOGENOUS MIXTURE, AND SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER MIXTURE IS MADE. STRAW OR HAY MULCH AND ASPHALT EMULSION WILL BE APPLIED WITH BLOWER-TYPE MULCH SPREADING EQUIPMENT WITHIN 24 HOURS AFTER SEEDING. THE MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

A. SEEDING WITH MULCH: (HYDRAULIC SEEDING EQUIPMENT ON SLOPES 3:1 AND STEEPER)

AGRICULTURAL LIMESTONE #75	4000 LBS./ACRE
FERTILIZER, 5-10-15	1500 LBS./ACRE
MULCH (STRAW OR HAY) OR	5000 LBS./ACRE
WOOD CELLULOSE FIBER MULCH	1000 LBS./ACRE

SEED SPECIES	APPLICATION RATE/ACRE	PLANTING DATES
SERICEA LESPEDEZA, SCARIFIED WEEPING LOVE GRASS, OR COMMON BERMUDA, HULLED	60 LBS. 4 LBS. 6 LBS.	3/1 - 6/15
FESCUE SERICEA LESPEDEZA, UNSCARIFIED	40 LBS. 60 LBS.	9/1 - 10/31
FESCUE SERICEA LESPEDEZA, UNSCARIFIED RYE	40 LBS. 75 LBS. 50 LBS.	11/1 - 2/28
HAY MULCH FOR TEMPORARY COVER	5000 LBS.	6/15 - 8/31

B. TOP DRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL

FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS./ACRE

C. SECOND-YEAR TREATMENT:

FERTILIZER (0-20-20 OR EQUIVALENT) 500 LBS./ACRE

THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, SHOULDERS, AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTION. SEEDING WILL BE DONE AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

SOIL CONDITIONS

DUE TO GRADING AND CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL AND SUBSTRATES. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL ARE UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

TREATMENT SPECIFICATIONS

CONVENTIONAL SEEDING EQUIPMENT: GRADE, SHAPE, AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. A SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED, AND FIRMED. SEEDING WILL BE DONE WITH A CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER, OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER A FRESHLY PREPARED SEEDBED AND COVERED LIGHTLY. WITHIN 24 HOURS AFTER SEEDING, STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AFTER IT IS SPREAD. A DISK HARROW WITH THE DISK SET STRAIGHT OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

A. SEEDING WITH MULCH: (CONVENTIONAL SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1)

AGRICULTURAL LIMESTONE #75	4000 LBS./ACRE
FERTILIZER, 5-10-15	1500 LBS./ACRE
MULCH (STRAW OR HAY)	5000 LBS./ACRE

SEED SPECIES	APPLICATION RATE/ACRE	PLANTING DATES
HULLED COMMON BERMUDA GRASS	10 LBS.	3/1 - 6/15
FESCUE	50 LBS.	9/1 - 10/31
FESCUE RYE GRASS	50 LBS. 50 LBS.	11/1 - 2/28
HAY MULCH FOR TEMPORARY COVER	5000 LBS.	6/15 - 8/31

B. TOP DRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL

FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS./ACRE

C. SECOND-YEAR TREATMENT:

FERTILIZER (5-10-15 OR EQUIVALENT) 800 LBS./ACRE

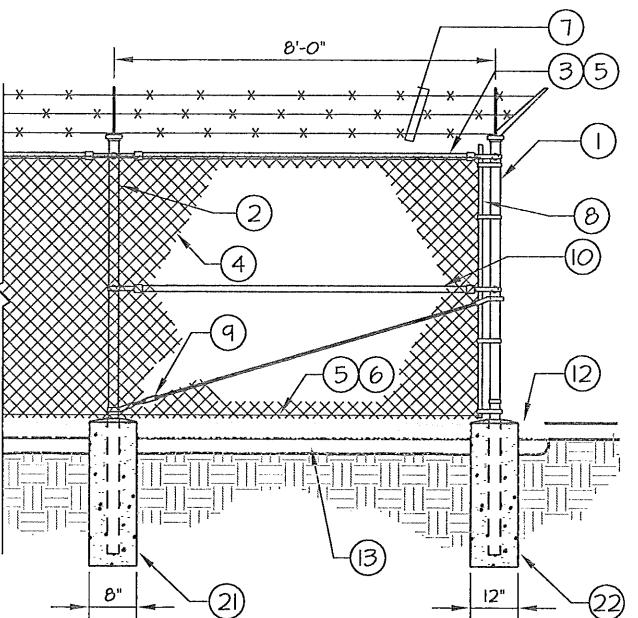
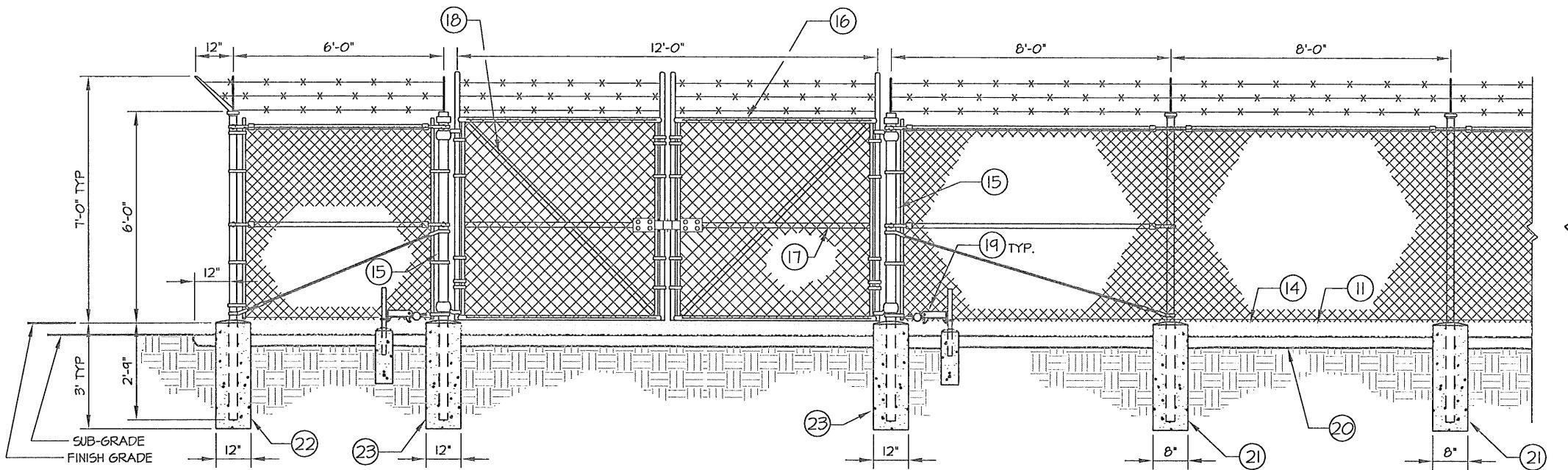
ATL 003 / SENOIA
**GRADING, SEDIMENT &
EROSION CONTROL
VEGETATION SPECS**

SITE NAME

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM
JOB #: MC001



C-7



REFERENCE NOTES:

- ① CORNER, END OR PULL POST 3" NOMINAL SCHEDULE 40 PIPE.
- ② LINE POST: 2 1/2" SCHEDULE 40 PIPE, PER ASTM-F1083.
LINE POSTS SHALL BE EQUALLY SPACED AT MAXIMUM 8'-0" O.C.
- ③ TOP RAIL & BRACE RAIL: 1 1/2" PIPE, PER ASTM-F1083.
- ④ FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- ⑤ TIE WIRE: MINIMUM 11 GA GALVANIZED STEEL AT POSTS AND RAILS
A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX. 24" INTERVALS.
- ⑥ TENSION WIRE: 9 GA. GALVANIZED STEEL.
- ⑦ BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH WITH FABRIC 14 GA, 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
- ⑧ STRETCHER BAR.
- ⑨ 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED ROD.
- ⑩ FENCE CORNER POST BRACE: 1 5/8" DIA. EACH CORNER EACH WAY.
- ⑪ 1 1/2" MAXIMUM CLEARANCE FROM GRADE.
- ⑫ 2" FINISH OR AS DETERMINED BY CONSTRUCTION MANAGER DURING BID WALK.
- ⑬ 4" COMPACTED 95% BASE MATERIAL OR AS DETERMINED BY CONSTRUCTION MANAGER DURING BID WALK.
- ⑭ FINISH GRADE SHALL BE UNIFORM AND LEVEL.
- ⑮ GATE POST 4". SCHEDULE 40 PIPE, FOR GATE WIDTHS UP THRU 7 FEET OR 14 FEET FOR DOUBLE SWING GATE, PER ASTM-F1083.
- ⑯ GATE FRAME: 1 1/2" PIPE, PER ASTM-F1083.
- ⑰ GATE FRAME; 1 5/8" DIAMETER PIPE, PER ASTM-F1083
- ⑱ GATE DIAGONAL GALVANIZED STEEL 1 1/2" PIPE.
- ⑲ DUCK BILL OPEN GATE HOLDER. VERIFY LOCATION IN FIELD PRIOR TO INSTALLATION.
- ⑳ GEOTEXTILE FABRIC
- ㉑ LINE POST: CONCRETE FOUNDATION (2000 PSI)
- ㉒ CORNER POST: CONCRETE FOUNDATION (2000 PSI)
- ㉓ GATE POST: CONCRETE FOUNDATION (2000 PSI)

GENERAL NOTES:

1. INSTALL FENCING PER ASTM F-567
2. INSTALL SWING GATES PER ASTM F-900
3. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.
4. POST & GATE PIPE SIZES ARE INDUSTRY STANDARDS.
ALL PIPE TO BE 1 1/2" GALV.
(HOT DIP, ASTM A120 GRADE "A" STEEL).
ALL GATE FRAMES SHALL BE WELDED.
ALL WELDING SHALL BE COATED WITH (3) COATS OF COLD GALV. (OR EQUAL).
5. ALL OPEN POSTS SHALL HAVE END-CAPS.
6. USE GALVANIZED HOG-RING WIRE TO MOUNT ALL SIGNS.
7. ALL SIGNS MUST BE MOUNTED ON INSIDE OF FENCE FABRIC.

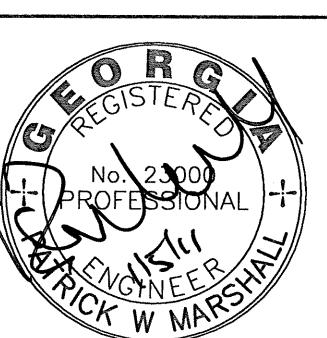
FENCE DETAILS

ATL 003 / SEN01A	NUM	DATE	DESCRIPTION:
	A	1/5/II	ISSUED FOR PRELIMINARY REVIEW
	O	1/5/II	ISSUED FOR PERMITTING & CONSTRUCTION

SITE NAME: _____

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM
JOB #: MC001

C-8

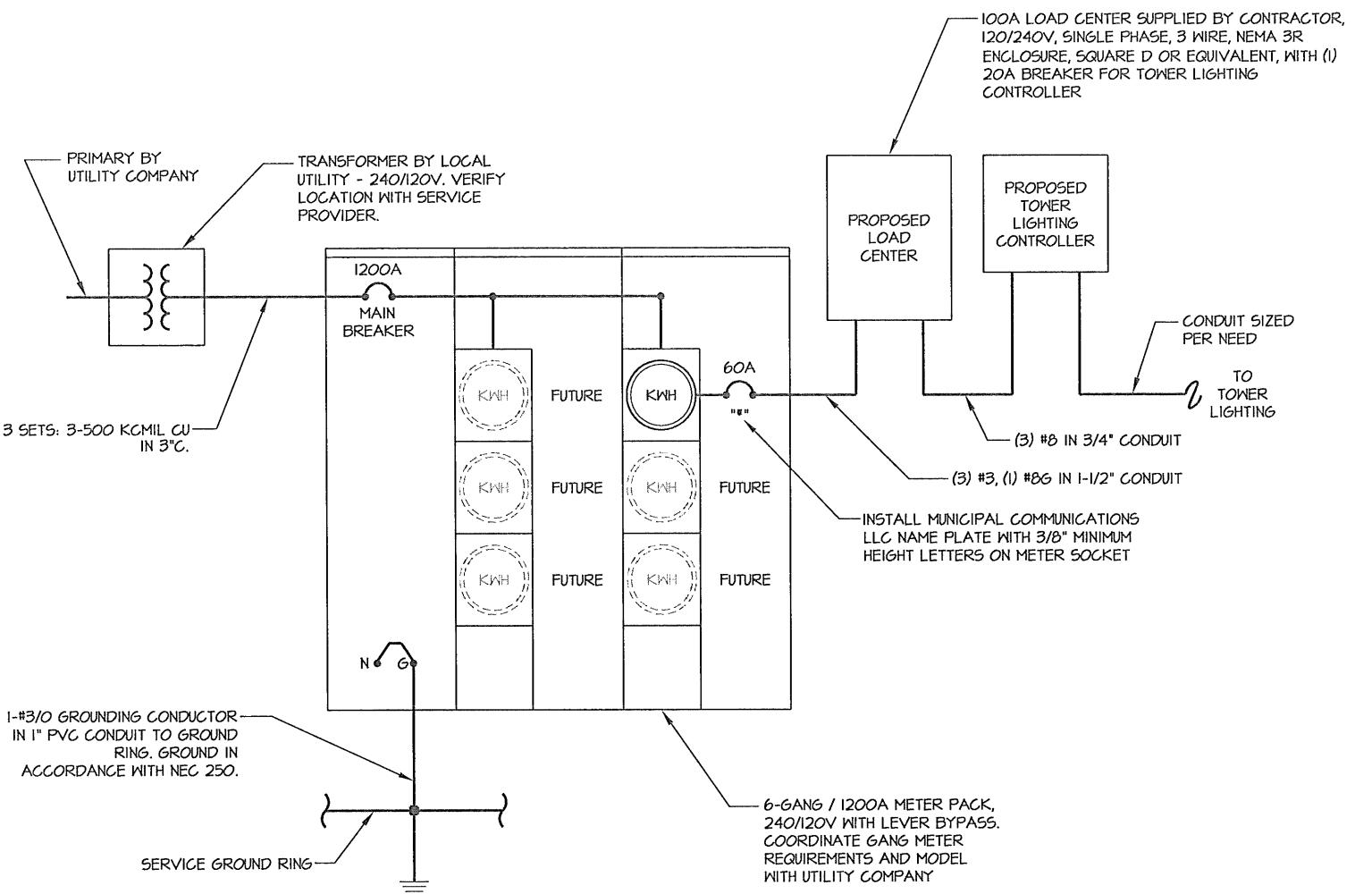


ELECTRICAL INSTALLATION NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
5. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
6. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOT), GROUNDING, AND TI CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THHN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THHN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THHN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND POWER GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
18. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
19. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
20. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
21. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
22. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
23. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
24. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
25. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

ELECTRICAL INSTALLATION NOTES

NTS



RISER DIAGRAM & SERVICE GROUNDING DETAILS

NTS

ELECTRICAL SPECS & ONE-LINE DIAGRAM

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Suite 411
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PM&A
30 MANSELL CT
SUITE 103
ROSWELL, GA 30076
678-280-2325

SITE NAME:

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM

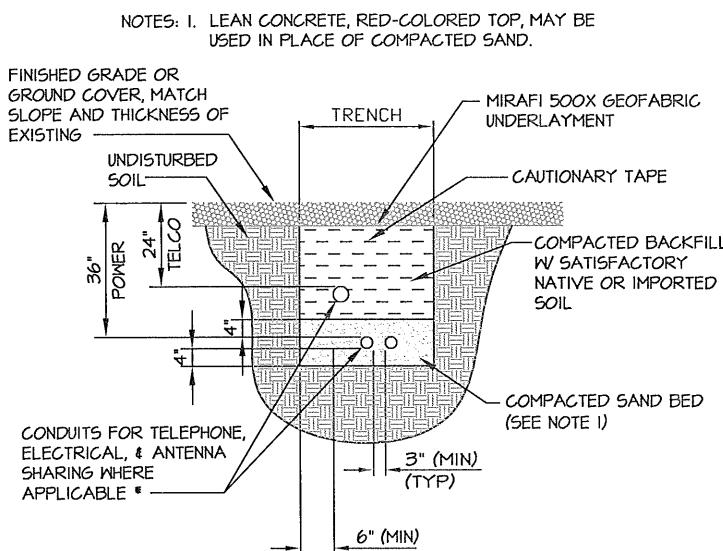
JOB #: MC001



E-1

ELECTRICAL KEY NOTES:

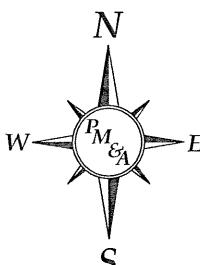
- (1) PROPOSED 1200A GANG METER PANEL.
- (2) PROPOSED 36" x 48" NEMA 3R MULTI-TENANT TELCO CABINET.
- (3) PROPOSED TOWER LIGHTING LOAD CENTER
- (4) PROPOSED TOWER LIGHTING CONTROLLER
- (5) PROPOSED (3) SETS OF 3" CONDUIT FOR INCOMING POWER
- (6) PROPOSED (2) SETS OF 4" CONDUIT WITH PULLSTRINGS FOR INCOMING TELCO
- (7) STUB UP AND CAP PROPOSED UTILITY CONDUITS AS REQUIRED BY UTILITY PROVIDERS
- (8) PROPOSED TOWER LIGHTING CONDUIT. COORDINATE SIZE AND CONDUCTORS WITH MANUFACTURER'S SPECIFICATIONS.



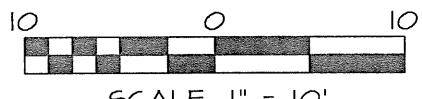
* CONDUIT SIZE, TYPE, QUANTITY AND SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS

DIRECT BURIED CONDUIT

NTS

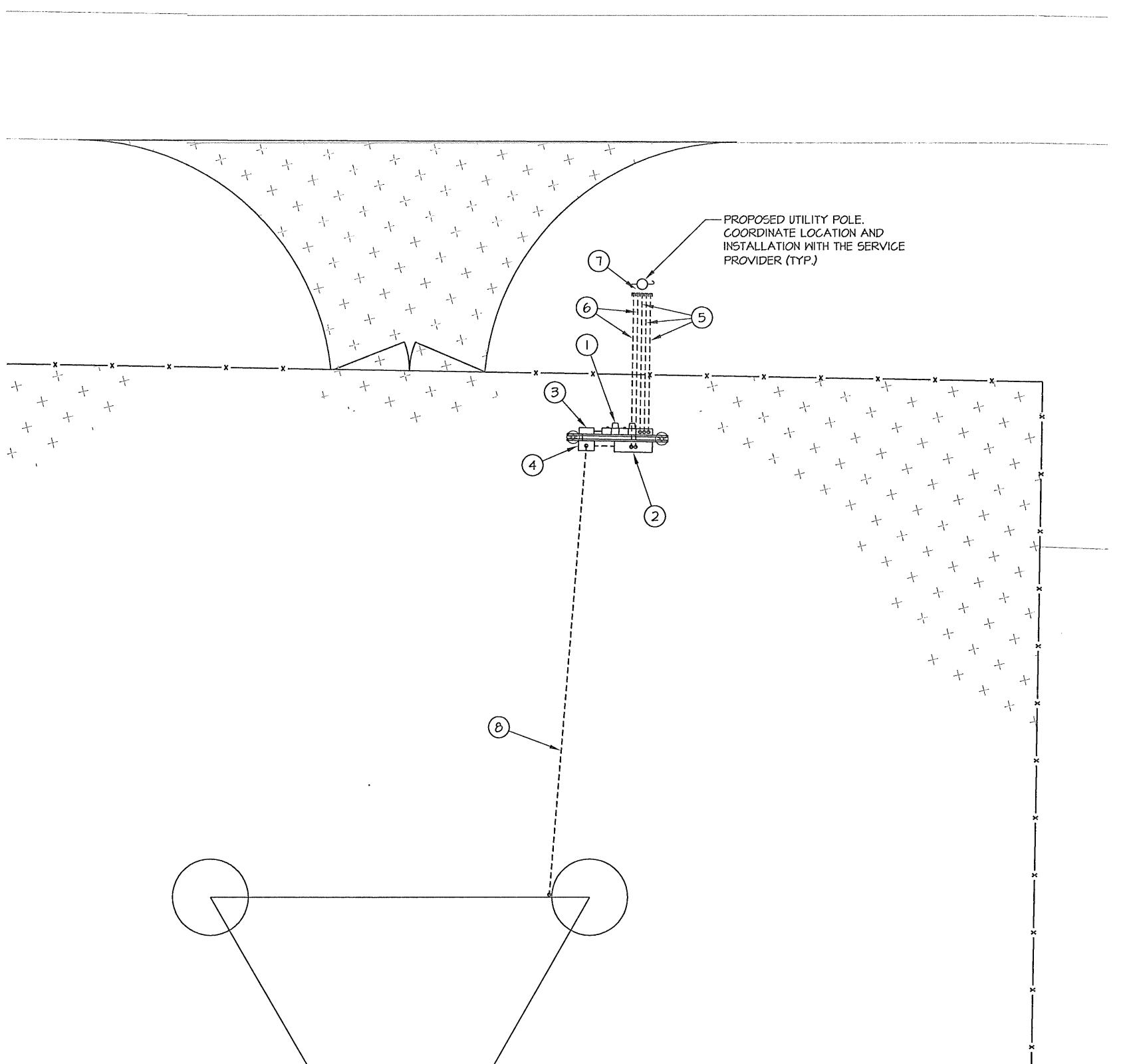


GRAPHIC SCALES



SCALE: 1" = 10'

ELECTRICAL SITE PLAN
SCALE: 1" = 10'-0"



Municipal Communications LLC

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(404) 995-1892

ISSUED FOR PRELIMINARY REVIEW

ISSUED FOR PERMITTING & CONSTRUCTION

ATL 003 / SEN01A

SITE NAME

A 1/5/11

O 1/5/11

DESCRIPTION:

DESIGNED: AJB

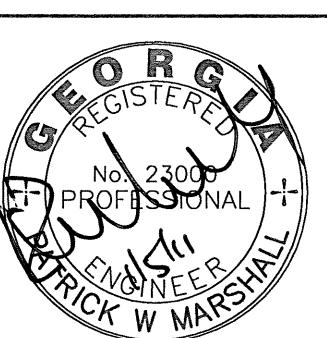
DRAWN: AJB

CHECKED: PWM

JOB #: MC001

E-2

ELECTRICAL SITE PLAN



GROUNDING NOTES

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC AND AT&T ND-0001.
 2. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. TESTING SHALL BE IN ACCORDANCE WITH SPECIFICATION 24182-000-3PS-EG00-00001. USE OF OTHER METHODS MUST BE PRE-APPROVED BY CONTRACTOR IN WRITING.
 3. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. WHEN ADDING ELECTRODES, CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE BETWEEN THE ADDED ELECTRODE AND ANY OTHER EXISTING ELECTRODE EQUAL TO THE BURIED LENGTH OF THE ROD. IDEALLY, CONTRACTOR SHALL STRIVE TO KEEP THE SEPARATION DISTANCE EQUAL TO TWICE THE BURIED LENGTH OF THE RODS.
 4. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
 5. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE AND UL APPROVED GROUNDING TYPE CONDUIT CLAMPS PER NEC AND AT&T ND-0001.
 6. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
 7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK-TO-BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
 8. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
 9. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED. IN ALL CASES, BENDS SHALL BE MADE WITH A MINIMUM BEND RADIUS OF 8 INCHES.
 10. EACH INTERIOR BTS CABINET FRAME/PLINTH SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH #2 AWG STRANDED, GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES. EACH OUTDOOR CABINET FRAME/PLINTH SHALL BE DIRECTLY CONNECTED TO THE BURIED GROUND RING WITH # 2 AWG SOLID TIN-PLATED COPPER WIRE.
 11. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING, SHALL BE #2 AWG SOLID TIN-PLATED COPPER UNLESS OTHERWISE INDICATED.
 12. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE. CONNECTIONS TO ABOVE GRADE EXTERIOR UNITS SHALL BE MADE WITH EXOTHERMIC WELDS WHERE PRACTICAL OR WITH 2 HOLE MECHANICAL TYPE BRASS CONNECTORS WITH STAINLESS STEEL HARDWARE, INCLUDING SET SCREWS. HIGH PRESSURE CRIMP CONNECTORS MAY ONLY BE USED WITH WRITTEN PERMISSION FROM AT&T MARKET REPRESENTATIVE.
 13. EXOTHERMIC WELDS SHALL BE PERMITTED ON TOWERS ONLY WITH THE EXPRESS APPROVAL OF THE TOWER MANUFACTURER OR THE CONTRACTOR'S STRUCTURAL ENGINEER.
 14. ALL WIRE TO WIRE GROUND CONNECTIONS TO THE INTERIOR GROUND RING SHALL BE FORMED USING HIGH PRESS CRIMPS OR SPLIT BOLT CONNECTORS WHERE INDICATED IN THE DETAILS.
 15. ON ROOFTOP SITES WHERE EXOTHERMIC WELDS ARE A FIRE HAZARD COPPER COMPRESSION CAP CONNECTORS MAY BE USED FOR WIRE TO WIRE CONNECTORS. 2 HOLE MECHANICAL TYPE BRASS CONNECTORS WITH STAINLESS STEEL HARDWARE, INCLUDING SET SCREWS SHALL BE USED FOR CONNECTION TO ALL ROOFTOP BTS EQUIPMENT AND STRUCTURAL STEEL.
 16. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR USING TWO HOLED MECHANICAL TYPE BRASS CONNECTORS AND STAINLESS STEEL HARDWARE.
 17. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
 18. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
 19. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
 20. BOND ALL METALLIC OBJECTS WITHIN 6 FT OF THE BURIED GROUND RING WITH # 2 SOLID AWG TIN-PLATED COPPER GROUND CONDUCTOR.
 21. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT WITH LISTED BONDING FITTINGS.
 22. GROUND ALL RF EQUIPMENT INCLUDING BUT NOT LIMITED TO COAX, DIPLEXERS, SURGE ARRESTORS, TMA's, ANTENNAS, & ANTENNA MASTS PER NEC AND AT&T ND-0001.

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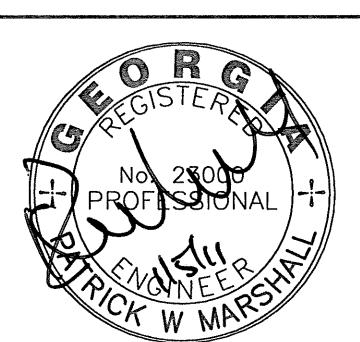
A	13/11	ISSUED FOR PRELIMINARY REVIEW
O	15/11	ISSUED FOR PERMITTING & CONSTRUCTION

ROUNDING
NOTES

G

DESIGNED:	AJB
DRAWN:	AJB
CHECKED:	PWM
B #:	MCOOI

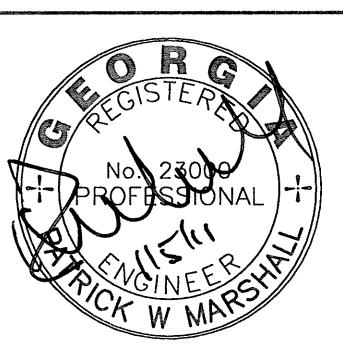
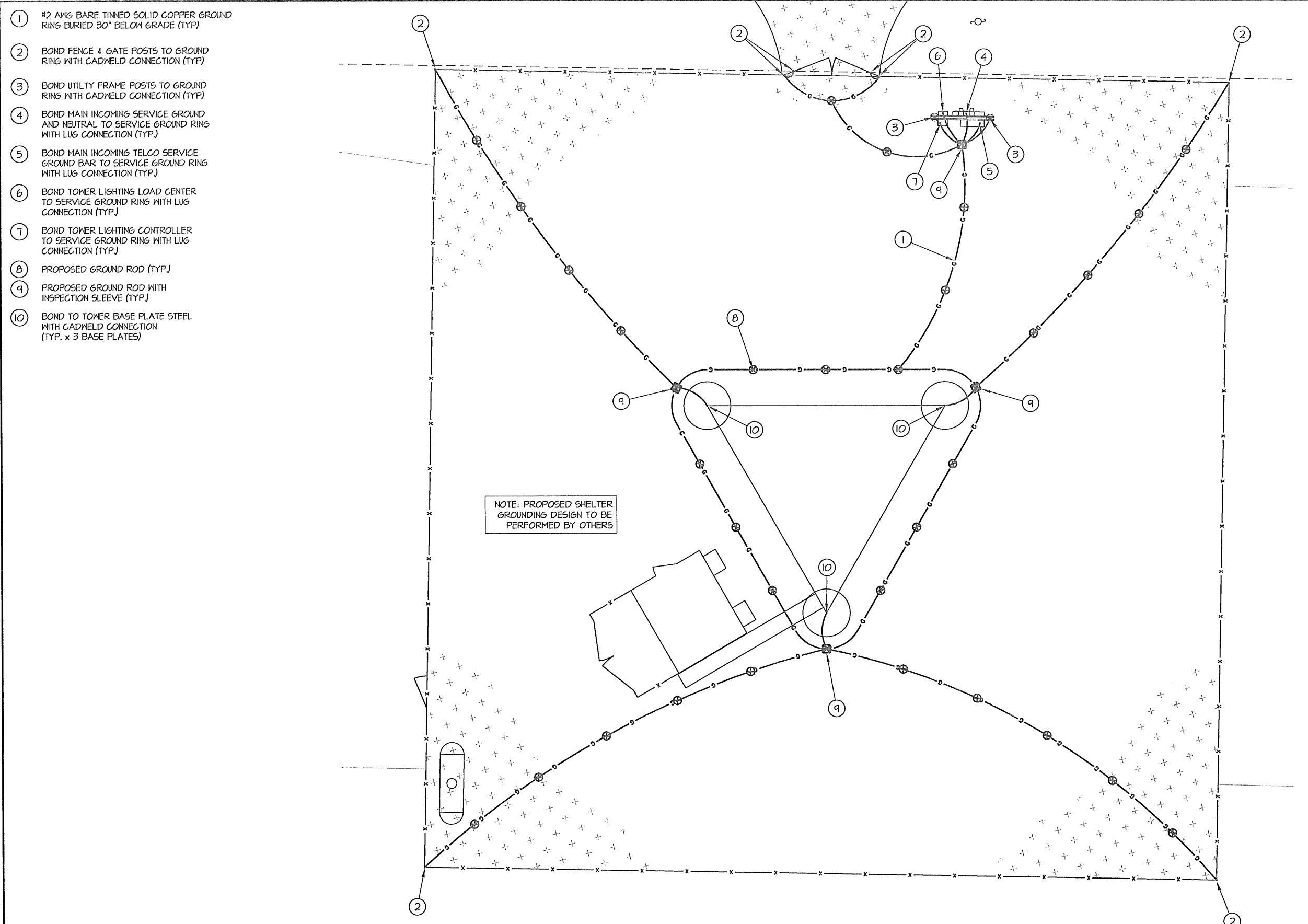
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GROUNDING SITE PLAN

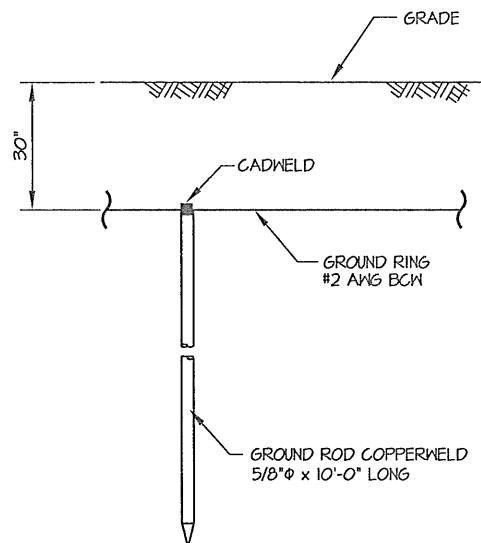
ATL 003 / SENOIA

SITE NAME:	DESIGNED:	AJB
	DRAWN:	AJB
	CHECKED:	PWM
	JOB #:	MCOOI
E-4		

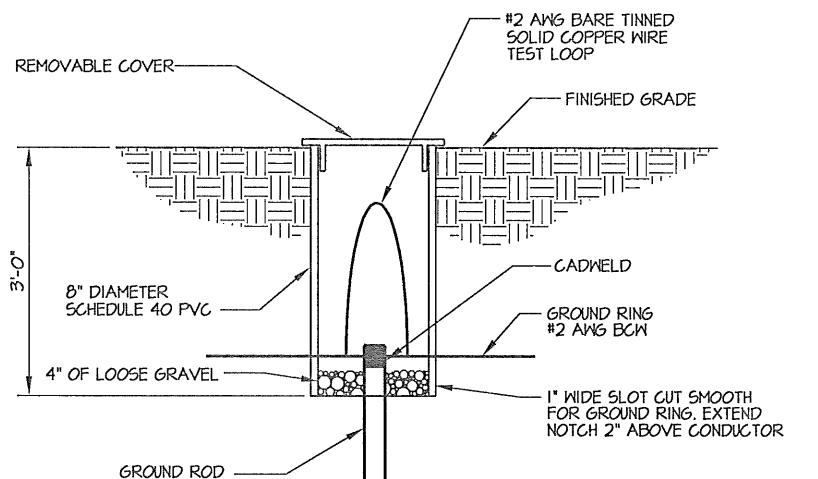


E-5

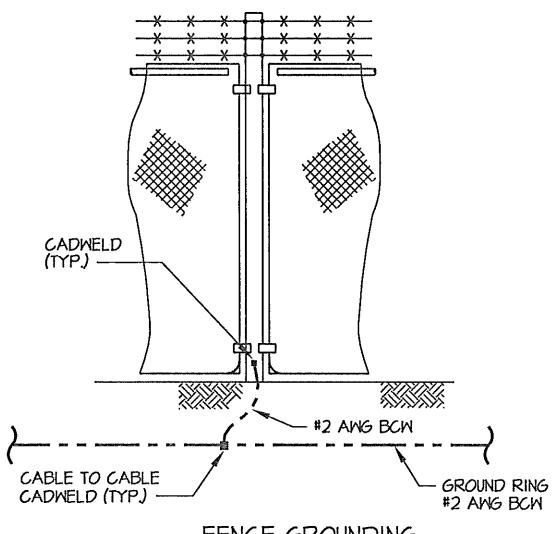
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GROUND ROD DETAIL

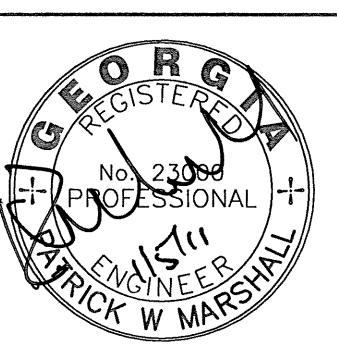
NOT TO SCALE

GROUND ROD INSPECTION WELL

NOT TO SCALE

FENCE GROUNDING

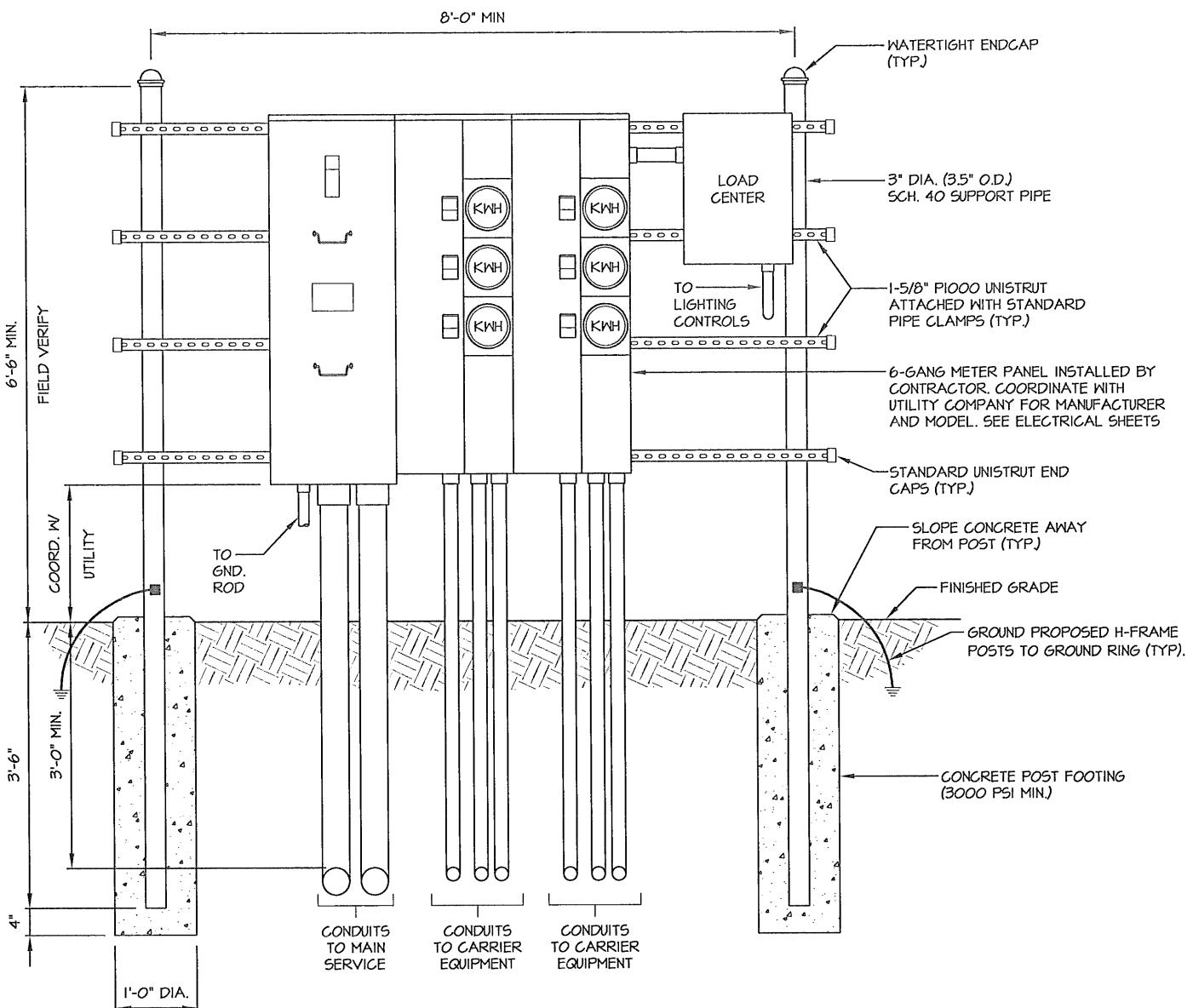
NOT TO SCALE

**GROUNDING DETAILS**

ATL 003 / SEN01A	NUM	DATE	DESCRIPTION:
A	1/8/11	ISSUED FOR PRELIMINARY REVIEW	
O	1/5/11	ISSUED FOR PERMITTING & CONSTRUCTION	

DESIGNED: AJB
DRAWN: AJB
CHECKED: PWM
JOB #: MC001

MULTI-TENANT UTILITY FRAME DETAILS

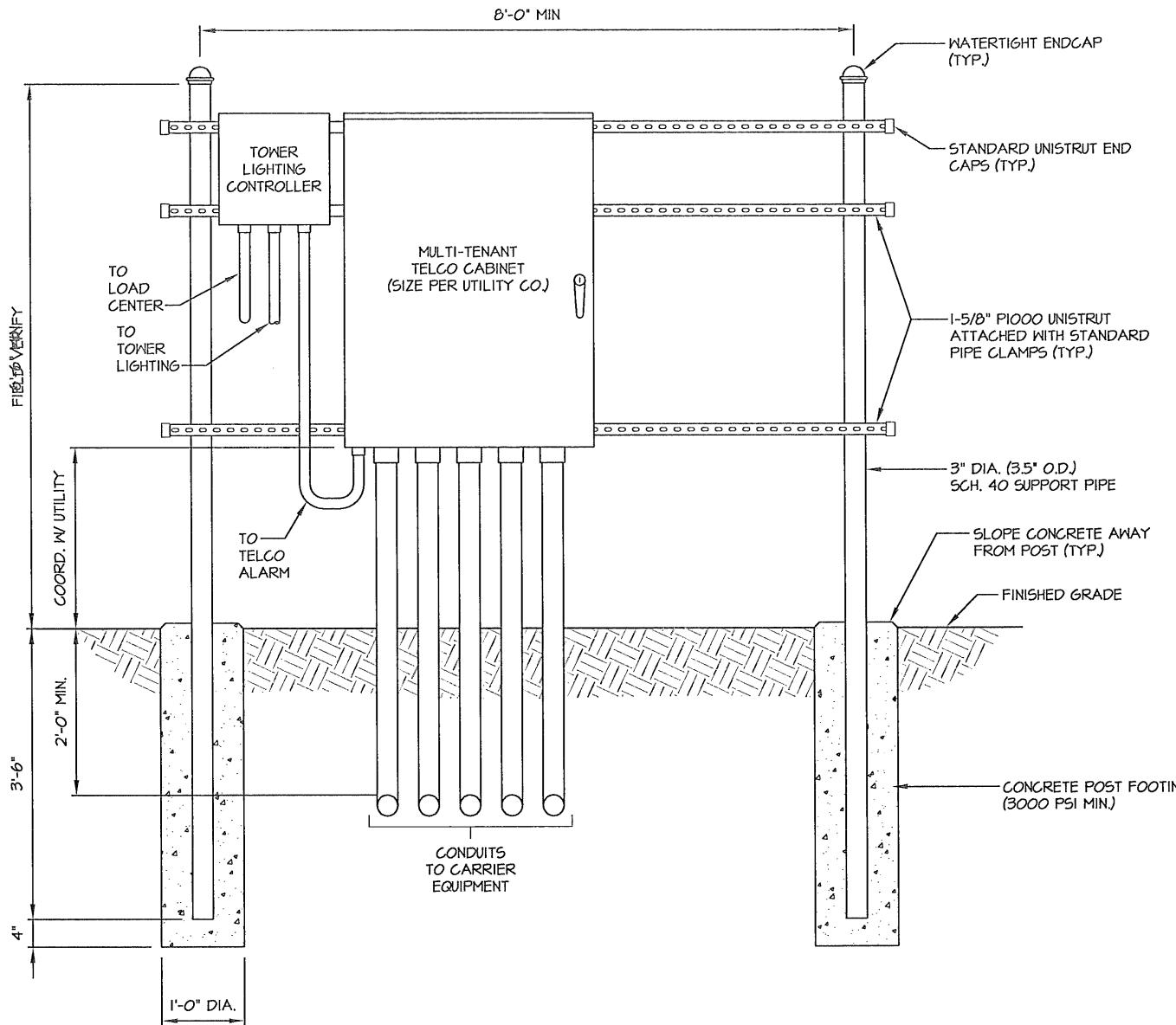


UTILITY FRAME DETAIL (GANG METER)

NTS

NOTES:

1. CONTRACTOR SHALL FIELD LOCATE THE METER PEDESTAL AS SHOWN ON SITE PLAN. INSTALL THE METER PEDESTAL NEAR THE PERIMETER OF THE FENCED COMPOUND WITH THE METERS FACING AS SHOWN.
2. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY FOR THE CONDUIT RUN TO THE MAIN SERVICE CONNECTION OR TRANSFORMER.
3. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY FOR GROUND ROD REQUIREMENTS. IF REQUIRED, THE CONTRACTOR SHALL ORDER AND PAY FOR NECESSARY GROUND TESTS.
4. SUPPORT POST AND UNISTRUT SHALL BE GALVANIZED. PIPE CLAMPS AND HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL.
5. TELCO CABINET SHALL BE 36"x48"x10" HOFFMAN OR EQUIVALENT. PROVIDE 3/4" PLYWOOD BACKBOARD INSIDE THE MULTI-TENANT TELCO CABINET.
6. ADJUSTMENTS TO THE METER PEDESTAL DESIGN MAY BE REQUIRED DEPENDING ON THE EXACT METER PANEL INSTALLED. CONTRACTOR SHALL FIELD COORDINATE ADJUSTMENTS AND INFORM THE ENGINEER IF ANY UNUSUAL CONDITIONS ARE FOUND TO EXIST.



UTILITY FRAME DETAIL (TELCO)

NTS

ITEM	NUM	DATE	DESCRIPTION:
A	1/3/11	ISSUED FOR PRELIMINARY REVIEW	
O	1/5/11	ISSUED FOR PERMITTING & CONSTRUCTION	

SITE NAME	GEORGIA REGISTERED PROFESSIONAL ENGINEER		
DESIGNED:	AJB	DRAWN:	AJB
CHECKED:	PWM	JOB #:	MCOO1
PATRICK W MARSHALL			
E-6			