

T-Mobile

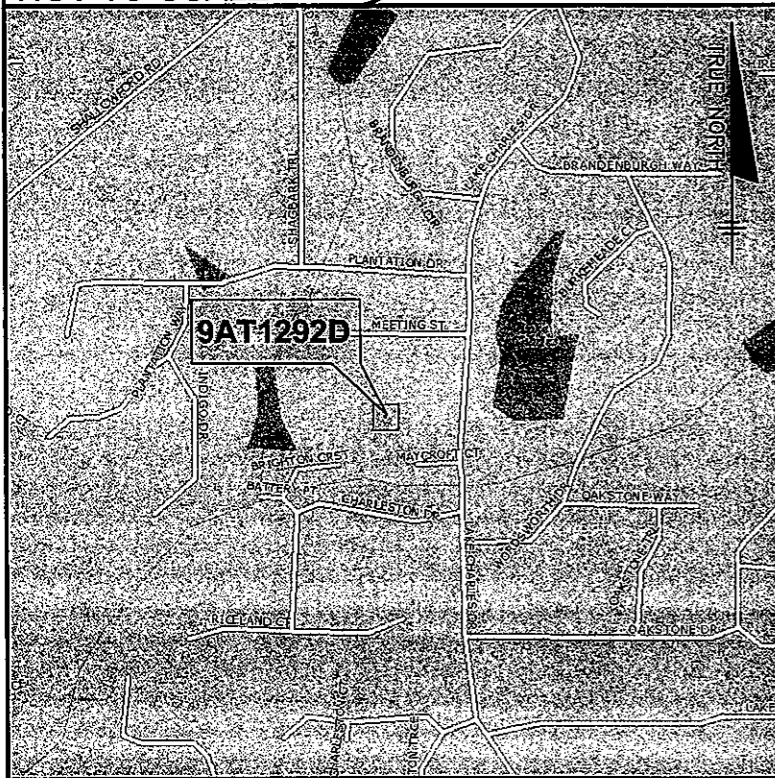
PCS PROJECT FOR MOUNTAIN PARK RAW LAND SITE # 9AT1292D

RECEIVED
FEB 10 2010
City of Roswell
Development Dept.

SITE DIRECTIONS:

FROM T-MOBILE SOUTH, LLC TAKE GA-400 NORTH ±3.7 MILES TO EXIT #6 NORTHDRIDGE ROAD ONTO NORTHDRIDGE ROAD TOWARD DUNWOODY PLACE (GA-9). PROCEED ±0.8 MILE TO ROSWELL ROAD (GA-9). TURN RIGHT AND TRAVEL ±1.7 MILES. CONTINUE ON S. ATLANTA STREET/ATLANTA STREET ±1.7 MILES TO MAGNOLIA STREET. TURN LEFT AND PROCEED ±0.4 MILE. CONTINUE ON PINE GROVE ROAD ±0.7 MILE TO LAKE CHARLES DRIVE. TURN RIGHT AND TRAVEL ±0.7 MILE TO SITE.

VICINITY MAP NOT TO SCALE



HANDICAP REQUIREMENTS
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS IS NOT REQUIRED.

PLUMBING REQUIREMENTS
FACILITY HAS NO SANITARY OR POTABLE WATER.

FLOOD HAZARD AREA NOTE
THE PROPERTY SHOWN HEREON IS NOT LOCATED WITHIN A 100 YEAR FLOOD PLAIN AREA AS DETERMINED BY FEMA COMMUNITY PANEL NO. 13121C0042E FOR FULTON COUNTY, GEORGIA DATED 06/22/98.

SITE INFORMATION:

PROPERTY OWNER: WOOD DUCK LODGE PROPERTIES, LLC
ADDRESS: 1060 LAKE CHARLES DRIVE
ROSWELL, GA 30075
CONTACT: ROBERT SHEARER
PHONE: 678-352-1714

SITE ADDRESS: LAKE CHARLES DRIVE
ROSWELL, GA 30075

PARCEL ID: 12-1570-0261-043-7

DEVELOPER: T-MOBILE SOUTH, LLC
FOUR CONCOURSE PKWY
SUITE 300
SANDY SPRINGS, GA 30328
CONTACT: STEVE HOOD
PHONE: 770-519-1999

DESIGNER: WALKER ENGINEERING, INC
8451 DUNWOODY PLACE
SANDY SPRINGS, GA 30350
CONTACT: MEREDYTH JOHNSON
PHONE: 770-841-7306 EXT. 31

PERMITTING JURISDICTION: CITY OF ROSWELL
CONTACT: BRADFORD TOWNSEND
PHONE: 770-641-3774

ZONING CLASSIFICATION: E-2

LATITUDE: N 34° 02' 12.3" (NAD 83)
LONGITUDE: W 84° 23' 07.8" (NAD 83)

AMSL: 997' A.M.S.L.

TELEPHONE CO.: AT&T
PHONE: 800-517-3435

POWER CO.: GEORGIA POWER
PHONE: 888-655-5888

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RF ENGINEER

SIGNATURE _____ DATE _____

CONSTRUCTION MANAGER

SIGNATURE _____ DATE _____

SITE ACQUISITION AGENT

SIGNATURE _____ DATE _____

LANDOWNER

SIGNATURE _____ DATE _____

PROGRAM MANAGER

SIGNATURE _____ DATE _____

ZONING/PERMITTING

SIGNATURE _____ DATE _____

APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

PREPARED BY:

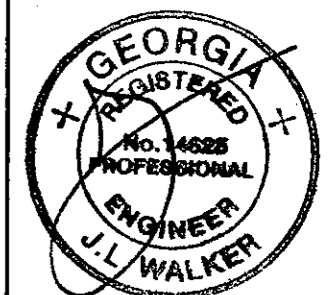
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ENGINEERING
INCORPORATED

8451 DUNWOODY PLACE
SANDY SPRINGS, GA 30350
PHONE: 770-641-7306
FAX: 770-587-2196

REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/22/09	ISSUED FOR REVIEW	MJJ
B	01/08/10	RE-ISSUED FOR REVIEW	MJJ
0	01/26/10	ISSUED FOR CONSTRUCTION	MJJ
1	02/05/10	MOVED EQUIPMENT	MJJ

SEAL



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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0542T

SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

TITLE SHEET

DRAWING NUMBER:

T1

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 T-MOBILE SOUTH, LLC GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH T-MOBILE SOUTH, LLC 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 OR 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 LEASED PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR.
15. ALL SUITABLE BORROW MATERIAL FOR BACKFILL 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" PREPARED BY OTHERS.
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. SIGNS: REFER TO SITE CIVIL SPECIFICATIONS SECTION 13000 - REFERENCE STANDARDS

EXCAVATION & GRADING NOTES:

1. ALL CUT AND FILL SLOPES SHALL BE 2:1 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 BACKFILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
6. BACKFILL 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 BACKFILL SHALL BE PLACED IN LAYERS, MAXIMUM 6" DEEP BEFORE COMPACTION. EACH LAYER SHALL BE SPRINKLED IF REQUIRED AND COMPACTED BY HAND-OPERATED OR MACHINE TAMPERS TO 95% OF MAXIMUM DENSITY, AT THE OPTIMUM MOISTURE CONTENT $\pm 2\%$ AS DETERMINED BY ASTM DESIGNATION D-698, UNLESS OTHERWISE APPROVED. SUCH BACKFILL 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 OVER WEED BARRIER.
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, STRAW 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 REPLACED 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 MATTER, 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 MATERIAL 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.

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Community
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APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

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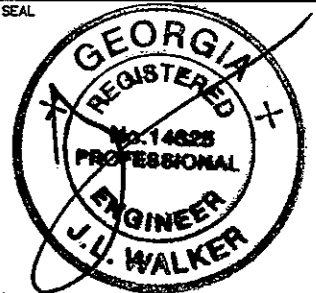
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PHONE: 770-641-7306
FAX: 770-587-2196

REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/22/09	ISSUED FOR REVIEW	MJJ
B	01/08/10	RE-ISSUED FOR REVIEW	MJJ
C	01/26/10	ISSUED FOR CONSTRUCTION	MJJ

SEAL



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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

GENERAL NOTES

DRAWING NUMBER:

C1

CONCRETE NOTES:

1. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS; CONTINUOUS INSPECTION IS NOT REQUIRED. PORTLAND CEMENT: TYPE I OR II (REFER TO GEOTECHNICAL REPORT). SLUMP: 2" MIN./4" MAX. AIR ENTRAINMENT: 2-3% BY VOLUME.

CLASSES OF CONCRETE

CLASS	REQUIRED STRENGTH (PSI)	MAX. W/C RATIO	LOCATION	REMARKS
IIIA	3 DAY/2700	.45	TOWER FDN	NORMAL WEIGHT, HIGH EARLY STRENGTH
II	28 DAY/3000	.50	ALL OTHER LOCATIONS	PORTLAND TYPE II

2. MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4". REINFORCEMENT SHALL BE NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE 60. MINIMUM REBAR SPLICES SHALL BE 30 DIAMETERS.
3. REINFORCEMENT SHALL HAVE A MINIMUM CLEAR DIMENSION ON ALL SIDES OF 3" UNLESS NOTED OTHERWISE.
4. ALL EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION PRIOR TO PLACEMENT OF CONCRETE. ALL CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
5. MAINTAIN TEMPERATURE OF CAST-IN-PLACE CONCRETE BETWEEN 50 DEGREES AND 90 DEGREES F.
6. DO NOT USE RETEMPERED CONCRETE, OR ADD WATER TO READY-MIX CONCRETE AT THE JOB SITE.
7. TOP OF SLAB TO HAVE 3/4" CHAMFER ON ALL SIDES.
8. ATTACH EQUIPMENT TO CONCRETE PER MANUFACTURER'S SPECIFICATIONS.
9. FOUNDATION DESIGN BASED ON 2000 PSF MIN. SOIL BEARING CAPACITY. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER IF SOILS OF LESSER BEARING CAPACITY ARE ENCOUNTERED.
10. NO SPLICES OF REINFORCEMENT PERMITTED EXCEPT AS DETAILED OR AUTHORIZED. MAKE BARS CONTINUOUS AROUND CORNERS. WHERE PERMITTED, SPLICES MADE BY CONTACT LAPS SHALL BE CLASS "B" TENSION LAPS UNLESS NOTED OTHERWISE.
11. DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL, 1985" PUBLICATION SP-66 AND "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-05.
12. PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AT POSITIONS SHOWN ON PLAN.
13. WELDED WIRE FABRIC: ASTM A185.
14. THE CONTRACTOR WILL ARRANGE FOR LABORATORY TESTS OF CONCRETE FOUNDATIONS. TESTS SHALL BE PERFORMED ON CYLINDERS AT 3 DAYS, 7 DAYS AND 28 DAYS.

UTILITY POLES:

1. UTILITY POLES SHALL BE 35 FT, CLASS 4.



IF YOU DIG GEORGIA...
CALL US FIRST!
1-800-282-7411
770-623-4344
(METRO ATLANTA ONLY)
UTILITIES PROTECTION CENTER
IT'S THE LAW

ABBREVIATIONS		LEGEND	
DIA	DIAMETER	---	PROPERTY LINE
&	AND	---	LEASE LINE
CL	CENTER LINE	---x---x---x---	FENCE
COAX	COAXIAL CABLE	---120---	EXISTING CONTOUR
CONC.	CONCRETE	---	EASEMENT
CONT.	CONTINUOUS	---	OVERHEAD UTILITY LINE
C.J.	CONTROL JOINT	⊙	IRON FENCE
DIA.	DIAMETER	⊙	IRON ROD SET 5/8"
DWG	DRAWING	⊙	UTILITY POLE
EL.	ELEVATION	⊙	GUY ANCHOR
E.S.	EACH SIDE	⊙	WATER METER
FT.	FEET	⊙	TREE
HORIZ.	HORIZONTAL	⊙	BENCH MARK
IN.	INCH	⊙	SANITARY SEWER MANHOLE
MAX	MAXIMUM	⊙	FLOW DIRECTION
MFR.	MANUFACTURER	⊙	SHUT OFF VALVE
MIN	MINIMUM	⊙	FIRE HYDRANT
MPH	MILES PER HOUR	⊙	
PL	PLATE	⊙	
REQ'D	REQUIRED	⊙	
SIM.	SIMILAR	⊙	
STD.	STANDARD	⊙	
STL.	STEEL	⊙	
TYP.	TYPICAL	⊙	
U.N.O.	UNLESS NOTED OTHERWISE	⊙	
W.G.	ICE BRIDGE	⊙	
W/	WITH	⊙	

APPLICANT/OWNER

T-Mobile
South, LLC

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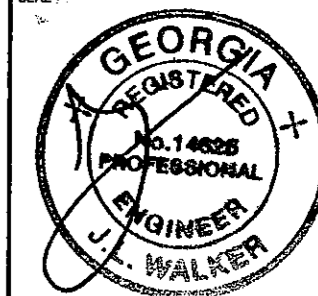
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DRAWING DESCRIPTION:
**GENERAL NOTES
SYMBOLS AND
LEGEND**

DRAWING NUMBER:

C1.1

GENERAL NOTES

THIS EASEMENT SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF T-MOBILE SOUTH, LLC AND EXCLUSIVELY FOR THE TRANSFERRAL OF THE LEASEHOLD AND THE RIGHTS OF EASEMENT SHOWN HEREON AND SHALL NOT BE USED AS AN EXHIBIT OR EVIDENCE IN THE FEE SIMPLE TRANSFERRAL OF THE SUBJECT PROPERTY NOR ANY PORTION OR PORTIONS THEREOF. NO BOUNDARY SURVEY WAS PERFORMED.

THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF A TITLE REPORT WHICH MAY REVEAL ADDITIONAL CONVEYANCES, EASEMENTS, OR RIGHTS-OF-WAY NOT SHOWN HEREON.

EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA TCRA 1103 ROBOTIC

THE FIELD DATA UPON WHICH THIS EASEMENT SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 20,000+ FEET AND AN ANGULAR ERROR OF 5.0" PER ANGLE POINT AND WAS ADJUSTED USING LEAST SQUARES.

THE PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE TO WITHIN ONE FOOT IN 100,000+ FEET.

THE 2' CONTOURS SHOWN ON THIS EASEMENT SURVEY ARE ADJUSTED TO NAVD 83 DATUM AND HAVE A VERTICAL ACCURACY OF ± 1'. CONTOURS OUTSIDE THE IMMEDIATE SITE AREA ARE APPROXIMATE.

BEARINGS SHOWN ON THIS EASEMENT SURVEY ARE BASED ON GRID NORTH (NAD 83).

NO PORTION OF THIS PROPERTY IS LOCATED IN A SPECIAL FLOOD AREA AS PER F.I.R.M. COMMUNITY PANEL NO. 13121C0042E DATED JUNE 22, 1998.

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM ABOVE GROUND FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

SUBJECT PROPERTY

OWNER: WOOD DUCK LODGE PROPERTIES, LLC.

SITE ADDRESS: LAKE CHARLES DRIVE, ROSWELL, GA 30075

PARCEL ID: 12-1570-0261-043-7

AREA: 2.8019 ACRES±

LAND USE CLASS: 100

ZONED: E-2

REFERENCE: DEED BOOK 48162 PAGE 623

LINE TABLE

LINE	BEARING	DISTANCE
L1	N13°23'47"E	50.00'
L2	S76°36'13"E	50.00'
L3	S13°23'47"W	50.00'
L4	N76°36'13"W	50.00'

LEGEND

POB POINT OF BEGINNING
POC POINT OF COMMENCEMENT
IPS IRON PIN SET
IPF IRON PIN FOUND
CMF CONCRETE MONUMENT FOUND
PP UTILITY POLE
LP LIGHT POLE
FP FLAG POLE
SSMH SANITARY SEWER MANHOLE
SDMH STORM DRAIN MANHOLE
INV INVERT
FH FIRE HYDRANT
EP EDGE OF PAVEMENT
TC TOP OF CURB
BC BACK OF CURB
TW TOP OF WALL
BW BOTTOM OF WALL
OU OVERHEAD UTILITY
UE UNDERGROUND UTILITY
CMP CORRUGATED METAL PIPE
RCP REINFORCED CONCRETE PIPE
PVC POLYVINYL CHLORIDE PIPE
GW GUY WIRE ANCHOR
TR TRANSFORMER
JB JUNCTION BOX
SWCB SINGLE WING CATCH BASIN
DWCB DOUBLE WING CATCH BASIN
CLF CHAIN LINK FENCE
WV WATER VALVE
WM WATER METER
CO SEWER CLEAN-OUT
GV GAS VALVE
N/F NOW OR FORMERLY
IB ICE BRIDGE
IBP ICE BRIDGE POLE

TREE LEGEND

LEYLAND CYPRESS
POPLAR
OAK
PINE
SWEETGUM
HARDWOOD

SITE INFORMATION

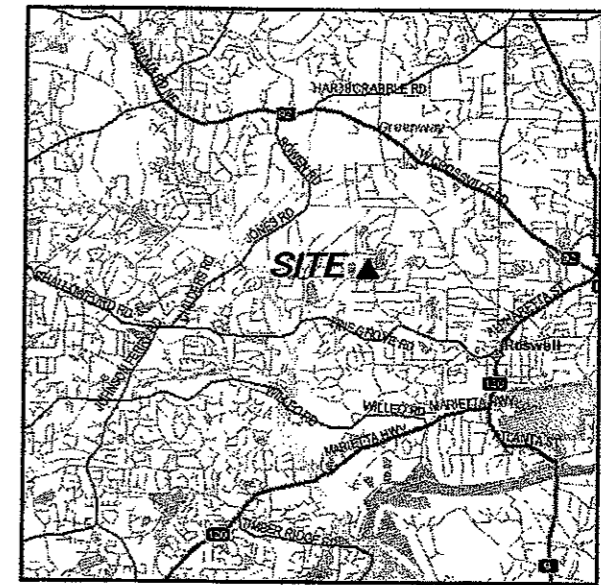
PROPOSED LEASE AREA = 2,500 SQUARE FEET (0.0574 ACRES)

LATITUDE = 34°02'12.3 (NAD 83)

AT CENTER OF PROPOSED TOWER

LONGITUDE = 84°23'07.8" (NAD 83)

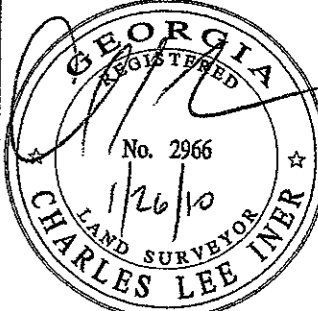
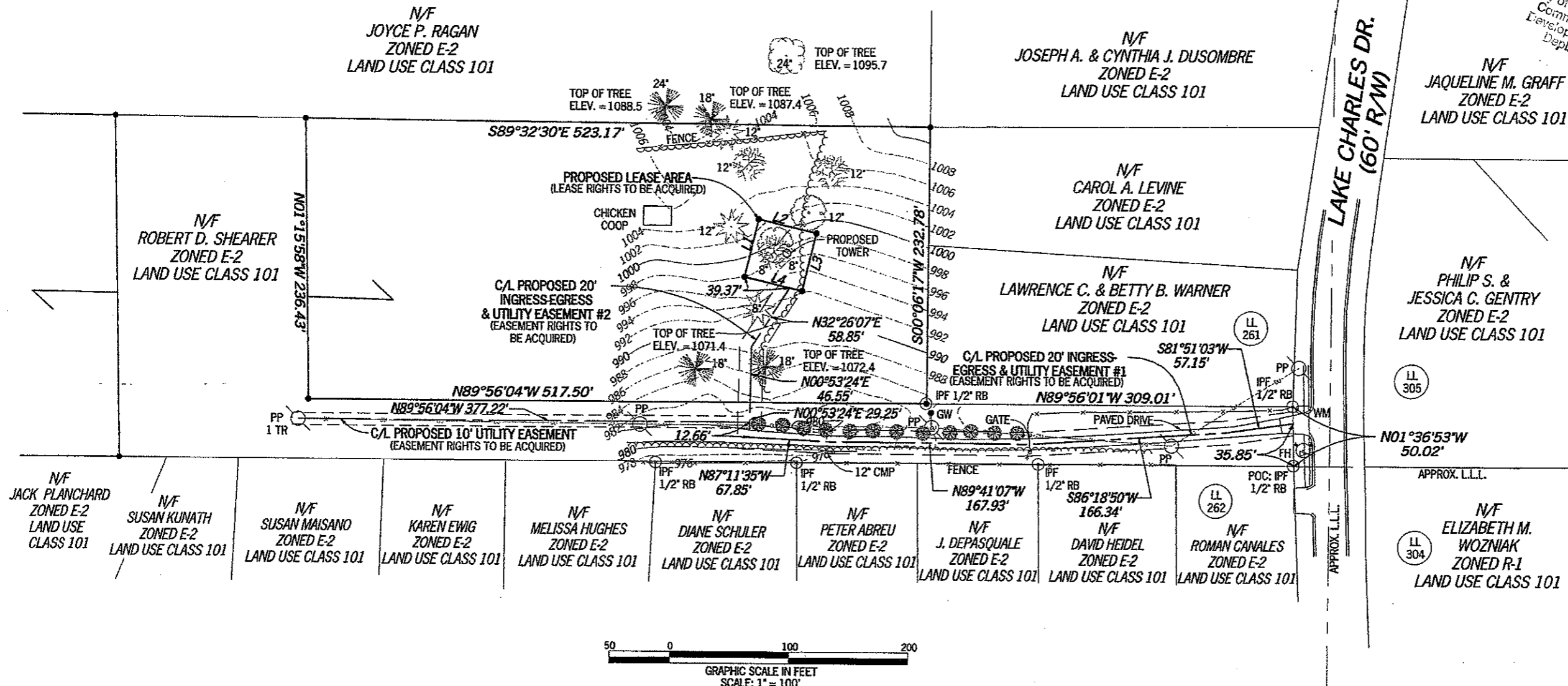
ELEVATION AT CENTER OF PROPOSED TOWER = 997' A.M.S.L.



VICINITY MAP

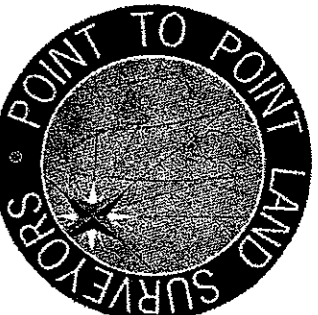
NOT TO SCALE

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City of Roswell
Community
Development
Dept.



NO.	DATE	REVISION
1	12-21-2009	ADDED SUBJ. PROP. AREA
2	01-05-2010	MOVED LEASE AREA - NRW
3	01-26-2010	MOVED TOWER - CLC

POINT TO POINT LAND SURVEYORS
810 Jackson Street
Locust Grove, Georgia 30248
(p) 678.565.4440 (f) 678.565.4497
(w) pointtosurvey.com



EASEMENT SURVEY PREPARED FOR:

T-Mobile
T-MOBILE SOUTH, LLC
FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GEORGIA 30328
Phone (770) 604-8980
Fax (770) 350-3049

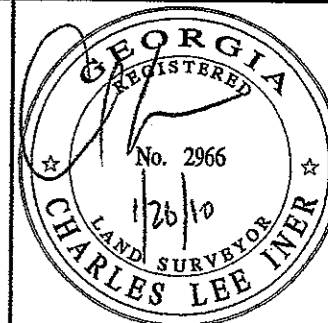
"MOUNTAIN PARK"

SITE NO.
9AT1292-D
LAND LOT 261
1ST DISTRICT, 2ND SECTION
FULTON COUNTY, GEORGIA

DRAWN BY: NRW
CHECKED BY: MWJ
APPROVED: C. INER
DATE: DECEMBER 18, 2009
P2P JOB #: 2009.645

SHEET:
1
OF 3

DIMENSIONS SHEET

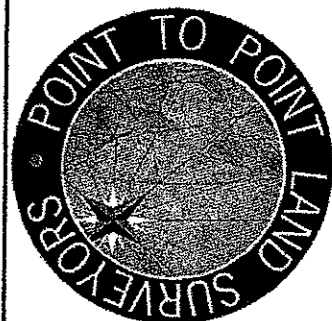


NO.	DATE	REVISION
1	12-21-2009	ADDED SUBJ. PROP. AREA
2	01-05-2010	MOVED LEASE AREA - NRW
3	01-26-2010	MOVED TOWER - CLC

EASEMENT SURVEY PREPARED BY:

**POINT TO POINT
LAND SURVEYORS**

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Locust Grove, Georgia 30248
(p) 678.565.4440 (f) 678.565.4497
(w) pointtopointsurvey.com



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"MOUNTAIN PARK"

**SITE NO.
9AT1292-D**

LAND LOT 261
1ST DISTRICT, 2ND SECTION
FULTON COUNTY, GEORGIA

DRAWN BY: NRW

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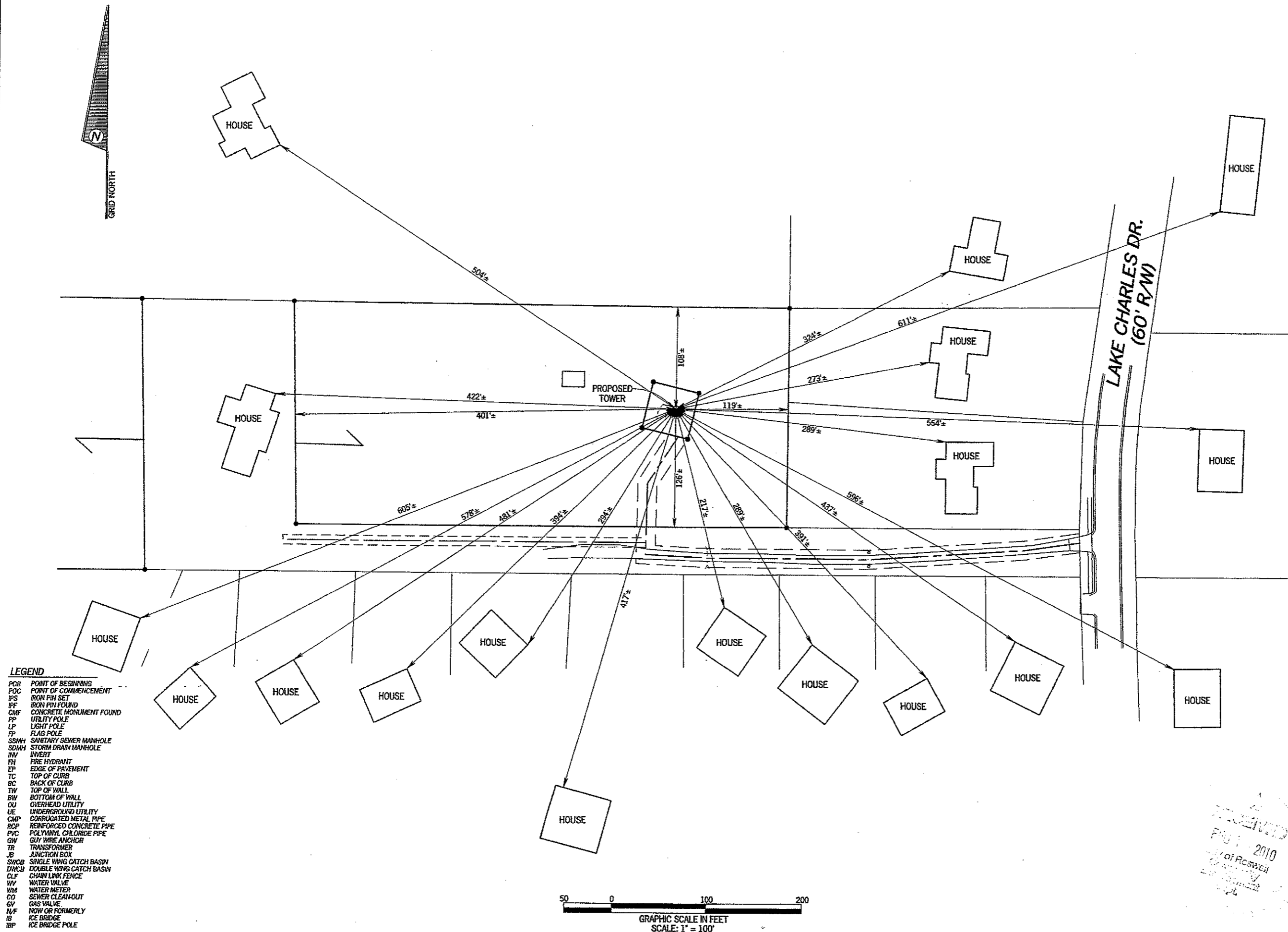
DATE: DECEMBER 18, 2009

P2P JOB #: 2009.645

SHEET:

2

OF 3



LEGAL DESCRIPTION SHEET

SUBJECT PROPERTY

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN LAND LOT 261, 1ST DISTRICT, 2ND SECTION, FULTON COUNTY, GEORGIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½" REBAR FOUND AT THE INTERSECTION OF THE LINE COMMON TO LAND LOTS 261 AND 262 AND THE WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE (HAVING A 60-FOOT RIGHT-OF-WAY); THENCE LEAVING SAID INTERSECTION AND RUNNING ALONG SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE, NORTH 01°36'53" WEST, 50.02 FEET TO A ½" REBAR FOUND; THENCE LEAVING SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE AND RUNNING, NORTH 89°56'01" WEST, 309.01 FEET TO A ½" REBAR FOUND AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, NORTH 89°56'04" WEST, 517.50 FEET TO A POINT; THENCE, NORTH 01°15'58" WEST, 236.43 FEET TO A POINT; THENCE, SOUTH 89°32'30" EAST, 523.17 FEET TO A POINT; THENCE, SOUTH 00°06'17" WEST, 232.78 FEET TO A POINT AND THE TRUE POINT OF BEGINNING.

SAID TRACT CONTAINS 2.8019 ACRES (122,050 SQUARE FEET), MORE OR LESS.

PROPOSED 20' INGRESS-EGRESS & UTILITY EASEMENT #1

TOGETHER WITH A PROPOSED 20-FOOT WIDE INGRESS-EGRESS AND UTILITY EASEMENT LYING AND BEING IN LAND LOT 261, 1ST DISTRICT, 2ND SECTION, FULTON COUNTY, GEORGIA, BEING DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½" REBAR FOUND AT THE INTERSECTION OF THE LINE COMMON TO LAND LOTS 261 AND 262 AND THE WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE (HAVING A 60-FOOT RIGHT-OF-WAY); THENCE LEAVING SAID INTERSECTION AND RUNNING ALONG SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE, NORTH 01°36'53" WEST, 35.85 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE AND RUNNING, SOUTH 81°51'03" WEST, 57.15 FEET TO A POINT; THENCE, SOUTH 86°18'50" WEST, 166.34 FEET TO A POINT; THENCE, NORTH 89°41'07" WEST, 167.93 FEET TO A POINT; THENCE, NORTH 87°11'35" WEST, 67.85 FEET TO A POINT; THENCE, NORTH 00°53'24" EAST, 29.25 FEET TO THE ENDING AT A POINT.

PROPOSED 20' INGRESS-EGRESS & UTILITY EASEMENT #2

TOGETHER WITH A PROPOSED 20-FOOT WIDE INGRESS-EGRESS AND UTILITY EASEMENT LYING AND BEING IN LAND LOT 261, 1ST DISTRICT, 2ND SECTION, FULTON COUNTY, GEORGIA, BEING DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½" REBAR FOUND AT THE INTERSECTION OF THE LINE COMMON TO LAND LOTS 261 AND 262 AND THE WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE (HAVING A 60-FOOT RIGHT-OF-WAY); THENCE LEAVING SAID INTERSECTION AND RUNNING ALONG SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE, NORTH 01°36'53" WEST, 35.85 FEET TO A POINT; THENCE LEAVING SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE AND RUNNING, SOUTH 81°51'03" WEST, 57.15 FEET TO A POINT; THENCE, SOUTH 86°18'50" WEST, 166.34 FEET TO A POINT; THENCE, NORTH 89°41'07" WEST, 167.93 FEET TO A POINT; THENCE, NORTH 87°11'35" WEST, 67.85 FEET TO A POINT; THENCE, NORTH 00°53'24" EAST, 29.25 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, NORTH 00°53'24" EAST, 46.55 FEET TO A POINT; THENCE, NORTH 32°26'07" EAST, 58.85 FEET TO THE ENDING AT A POINT.

PROPOSED 10' UTILITY EASEMENT

TOGETHER WITH A PROPOSED 10-FOOT WIDE UTILITY EASEMENT LYING AND BEING IN LAND LOT 261, 1ST DISTRICT, 2ND SECTION, FULTON COUNTY, GEORGIA, BEING DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

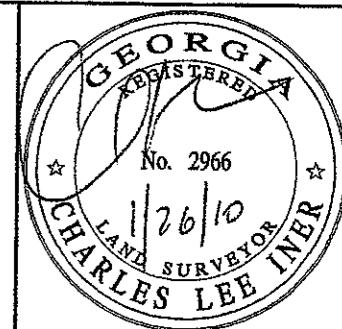
TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½" REBAR FOUND AT THE INTERSECTION OF THE LINE COMMON TO LAND LOTS 261 AND 262 AND THE WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE (HAVING A 60-FOOT RIGHT-OF-WAY); THENCE LEAVING SAID INTERSECTION AND RUNNING ALONG SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE, NORTH 01°36'53" WEST, 35.85 FEET TO A POINT; THENCE LEAVING SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE AND RUNNING, SOUTH 81°51'03" WEST, 57.15 FEET TO A POINT; THENCE, SOUTH 86°18'50" WEST, 166.34 FEET TO A POINT; THENCE, NORTH 89°41'07" WEST, 167.93 FEET TO A POINT; THENCE, NORTH 87°11'35" WEST, 67.85 FEET TO A POINT; THENCE, NORTH 00°53'24" EAST, 12.66 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, NORTH 89°56'04" WEST, 377.22 FEET TO THE ENDING AT A POINT.

PROPOSED LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN LAND LOT 261, 1ST DISTRICT, 2ND SECTION, FULTON COUNTY, GEORGIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

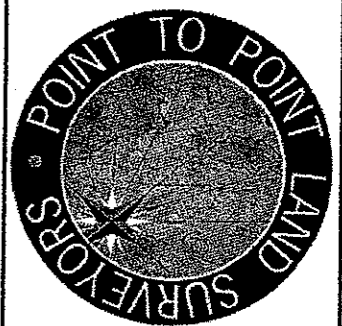
TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½" REBAR FOUND AT THE INTERSECTION OF THE LINE COMMON TO LAND LOTS 261 AND 262 AND THE WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE (HAVING A 60-FOOT RIGHT-OF-WAY); THENCE LEAVING SAID INTERSECTION AND RUNNING ALONG SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE, NORTH 01°36'53" WEST, 35.85 FEET TO A POINT; THENCE LEAVING SAID WESTERLY RIGHT-OF-WAY LINE OF LAKE CHARLES DRIVE AND RUNNING, SOUTH 81°51'03" WEST, 57.15 FEET TO A POINT; THENCE, SOUTH 86°18'50" WEST, 166.34 FEET TO A POINT; THENCE, NORTH 89°41'07" WEST, 167.93 FEET TO A POINT; THENCE, NORTH 87°11'35" WEST, 67.85 FEET TO A POINT; THENCE, NORTH 00°53'24" EAST, 29.25 FEET TO A POINT; THENCE, NORTH 00°53'24" EAST, 46.55 FEET TO A POINT; THENCE, NORTH 32°26'07" EAST, 58.85 FEET TO A POINT; THENCE, NORTH 76°36'13" WEST, 39.37 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, NORTH 13°23'47" EAST, 50.00 FEET TO A POINT; THENCE, SOUTH 76°36'13" EAST, 50.00 FEET TO A POINT; THENCE, SOUTH 13°23'47" WEST, 50.00 FEET TO A POINT; THENCE, NORTH 76°36'13" WEST, 50.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING.

SAID TRACT CONTAINS 0.0574 ACRES (2,500 SQUARE FEET), MORE OR LESS.



NO.	DATE	REVISION
1	12-21-2009	ADDED SUBL. PROP. AREA
2	01-05-2010	MOVED LEASE AREA - NRW
3	01-26-2010	MOVED TOWER - 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:

T-Mobile®
T-MOBILE SOUTH, LLC
FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GEORGIA 30328
Phone (770) 604-8980
Fax (770) 350-3049

"MOUNTAIN PARK"

SITE NO.
9AT1292-D

LAND LOT 261
1ST DISTRICT, 2ND SECTION
FULTON COUNTY, GEORGIA

DRAWN BY: NRW

CHECKED BY: MWJ

APPROVED: C. INER

DATE: DECEMBER 18, 2009

P2P JOB #: 2009.645

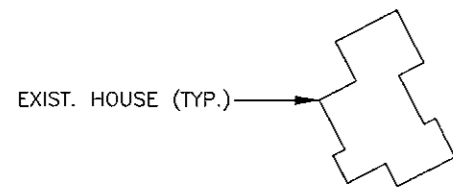
SHEET:

3

OF 3

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Community
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Dept.

REF. DWG. C2.1 FOR DISTANCES TO
OFF-SITE RESIDENTIAL STRUCTURES



N/F
JOYCE P. RAGAN
ZONED: E-2
LAND USE CLASS: 101

CENTER NEW 104' MONOPINE
LATITUDE: N 34° 02' 12.3"
LONGITUDE: W 84° 23' 07.8"
ELEVATION: 997' AMSL

NEW T-MOBILE TOWER
LEASE AREA (50' x 50')

N/F
JOSEPH A. & CYNTHIA J.
DUSOMBRE
ZONED: E-2
LAND USE CLASS: 101

N/F
JAQUELINE M. GRAFF
ZONED: E-2
LAND USE CLASS: 101

N/F
ROBERT D. SHEARER
ZONED: E-2
LAND USE CLASS: 101

N/F
ROBERT D. SHEARER
ZONED: E-2
LAND USE CLASS: 101

N/F
WOOD DUCK LODGE
PROPERTIES, LLC
OVERALL TRACT: ±2.8 Ac
ZONED: E-2
LAND USE CLASS: 100

CENTERLINE NEW 20'
WIDE ACCESS AND
UTILITY EASEMENT

CENTERLINE NEW
10' WIDE UTILITY
EASEMENT

APPROX. PROPERTY LINE (TYP.)

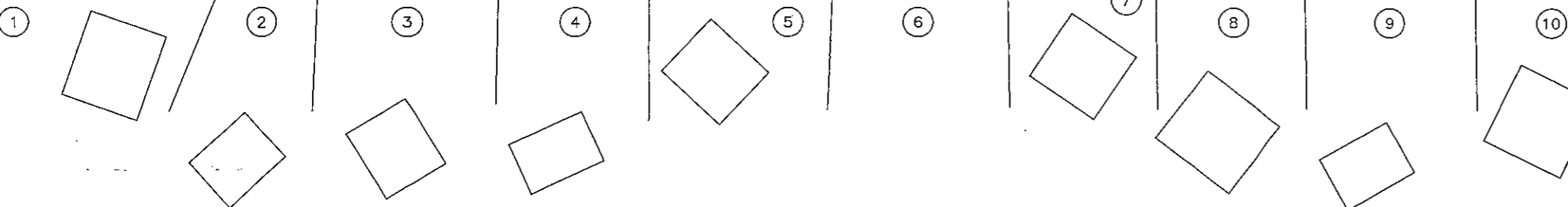
N/F
CAROL A. LEVINE
ZONED: E-2
LAND USE CLASS: 101

N/F
LAWRENCE C. & BETTY B.
WARNER
ZONED: E-2
LAND USE CLASS: 101

LAKE CHARLES
DRIVE (60' WIDE
R.O.W.)

N/F
PHILIP S. & JESSICA C.
GENTRY
ZONED: E-2
LAND USE CLASS: 101

N/F
ELIZABETH M. WOZNIAK
ZONED: R-1
LAND USE CLASS: 101



ADJOINING PARCELS (ALL ZONED E-2, ALL LAND USE CLASS 101):

- | | |
|----------------------|---------------------|
| ① N/F JACK PLANCHARD | ⑨ N/F DAVID HEIDEL |
| ② N/F SUSAN KUNATH | ⑩ N/F ROMAN CANALES |
| ③ N/F SUSAN MAISANO | |
| ④ N/F KAREN EWIG | |
| ⑤ N/F MELISSA HUGHES | |
| ⑥ N/F DIANE SCHULER | |
| ⑦ N/F PETER ABREU | |
| ⑧ N/F J. DEPASQUALE | |

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City of Roswell
Planning Department

APPROX. LANDLOT
LINE (TYP.)

1"=100' 100 0 100 200

TRUE NORTH

APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

PREPARED BY:

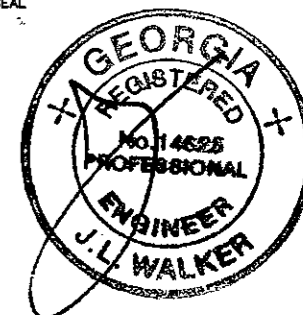
WALKER
ENGINEERING
INCORPORATED

8451 DUNWOODY PLACE
SANDY SPRINGS, GA 30350
PHONE: 770-641-7306
FAX: 770-587-2196

REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/22/09	ISSUED FOR REVIEW	MJJ
B	01/08/10	RE-ISSUED FOR REVIEW	MJJ
C	01/26/10	ISSUED FOR CONSTRUCTION	MJJ

SEAL



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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

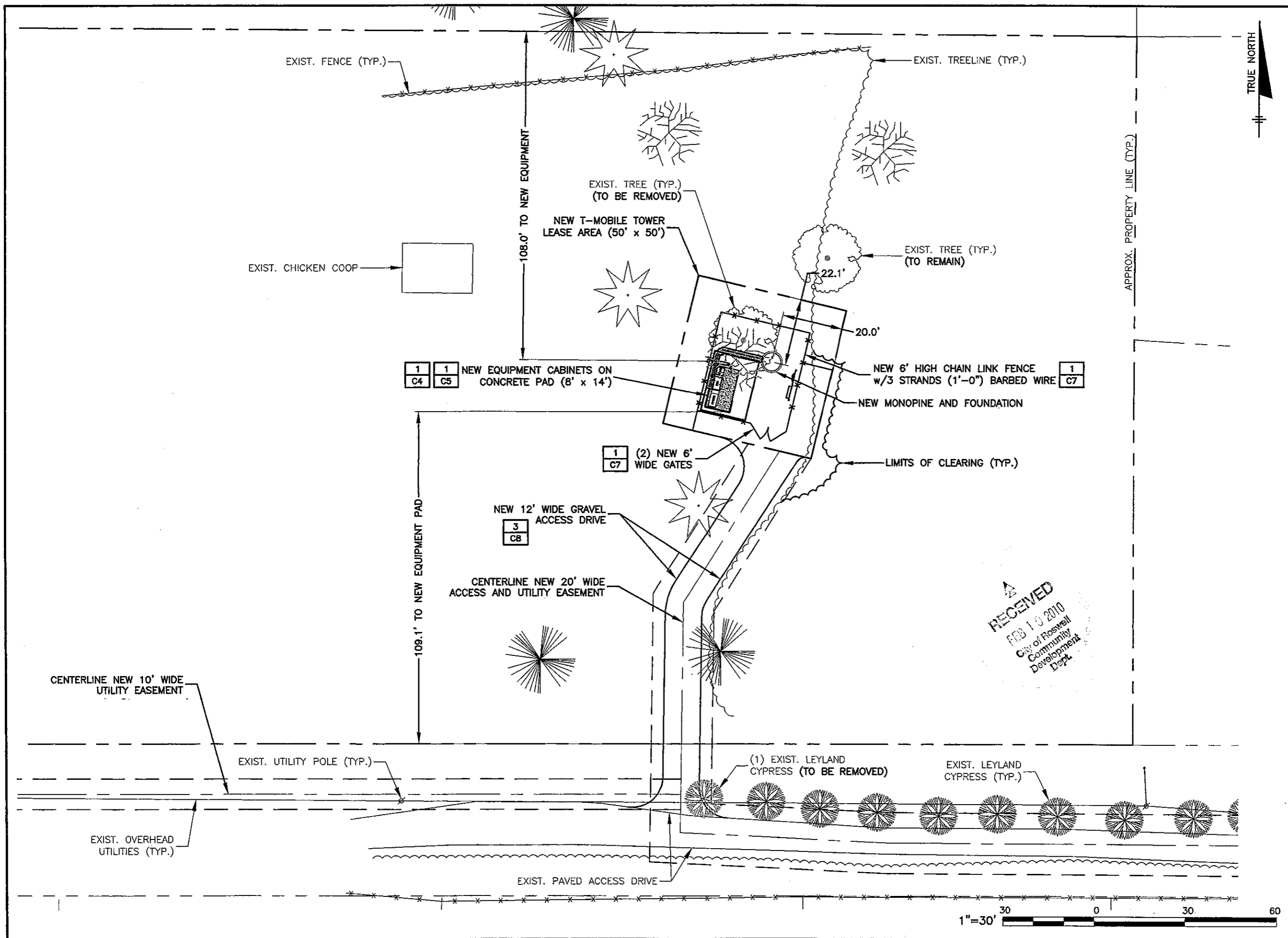
SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

OVERALL SITE PLAN

DRAWING NUMBER:

C3



APPLICANT/OWNER

T-Mobile South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

PREPARED BY:

WALKER ENGINEERING INCORPORATED

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REVISIONS

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D	01/26/10	ISSUED FOR CONSTRUCTION	MJJ
1	02/05/10	MOVED EQUIPMENT	MJJ

SEAL



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9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

SITE NO.: 9AT1292D

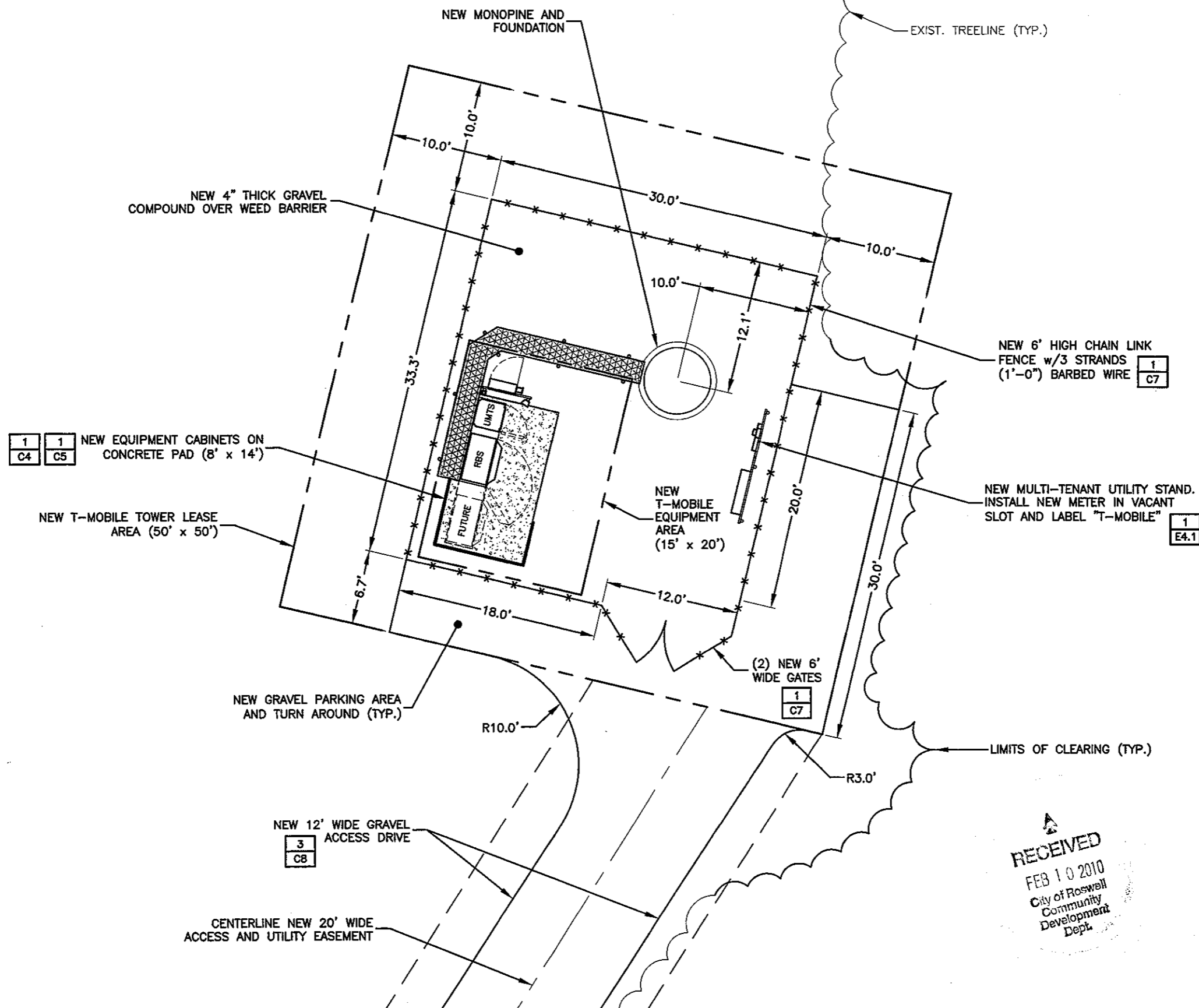
DRAWING DESCRIPTION:

SITE PLAN

DRAWING NUMBER:

C3.1

FOR CLARITY, INDIVIDUAL
TREES NOT SHOWN



TRUE NORTH

APPLICANT/OWNER

T-Mobile South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

PREPARED BY:

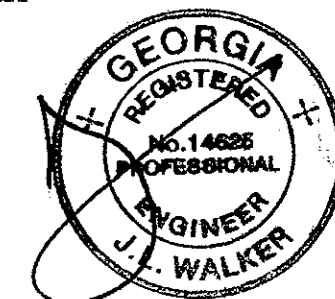
WALKER ENGINEERING INCORPORATED

8451 DUNWOODY PLACE
SANDY SPRINGS, GA 30350
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REVISIONS

REV	DATE	DESCRIPTION	BY
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O	01/26/10	ISSUED FOR CONSTRUCTION	MJJ
1	02/05/10	MOVED EQUIPMENT	MJJ

SEAL



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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

DETAIL PLAN

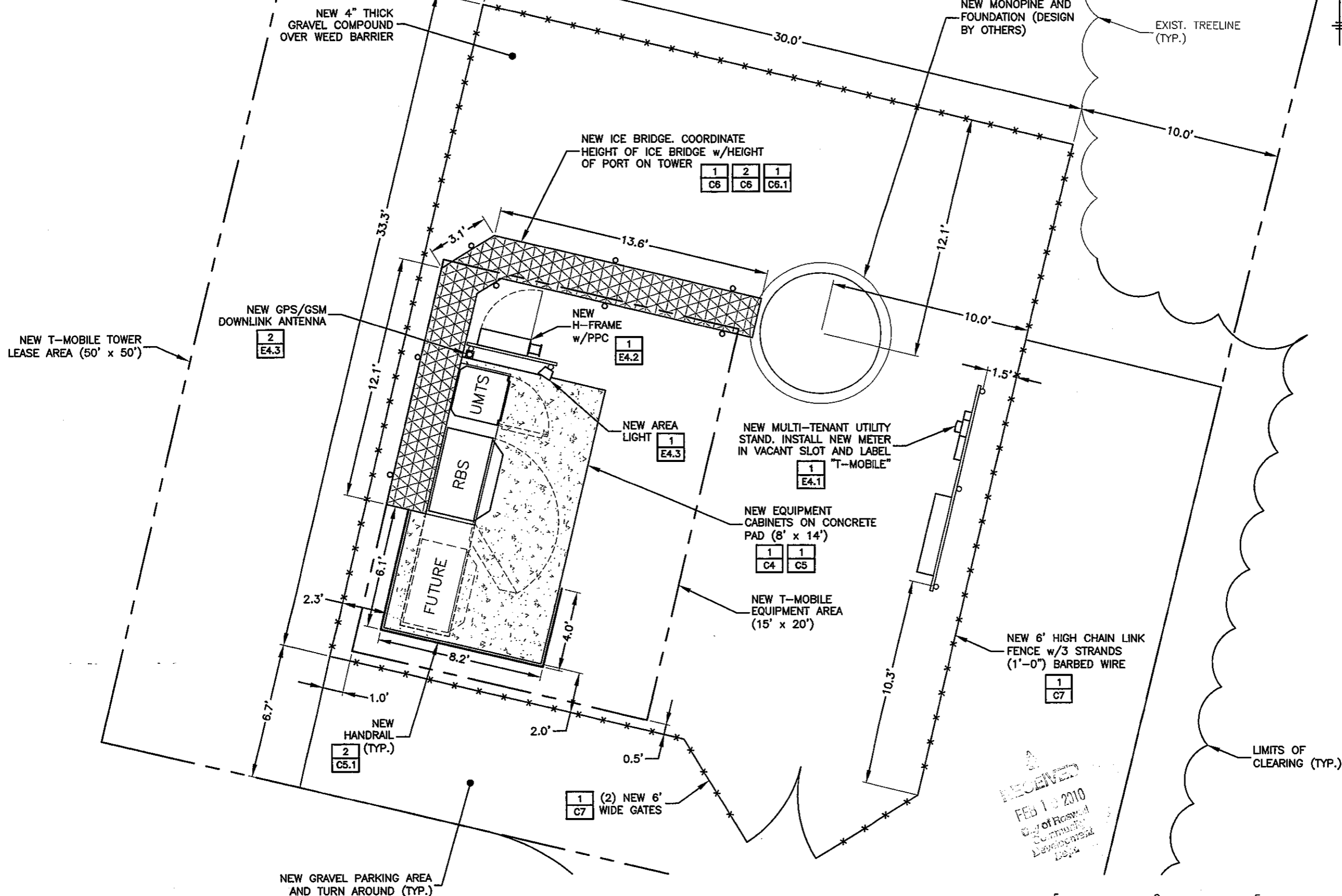
DRAWING NUMBER:

C3.2

RECEIVED
FEB 10 2010
City of Roswell
Community Development
Dept.

1"=10' 10 0 10 20

FOR CLARITY, INDIVIDUAL
TREES NOT SHOWN



APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
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PREPARED BY:

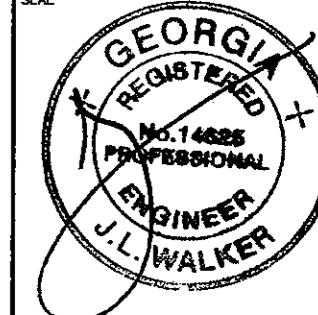
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REV	DATE	DESCRIPTION	BY
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B	01/08/10	RE-ISSUED FOR REVIEW	MJJ
C	01/26/10	ISSUED FOR CONSTRUCTION	MJJ
1	02/05/10	MOVED EQUIPMENT	MJJ

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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

EQUIPMENT PLAN

DRAWING NUMBER:

C3.3

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

NPDES STATEMENT:

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

J.L. WALKER, PE
GEORGIA SOIL & WATER
CONSERVATION COMMISSION
CERTIFICATE # 0000031799
EXPIRES: 01/12/13

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SEED AND STABILIZE ALL
DISTURBED AREAS PER

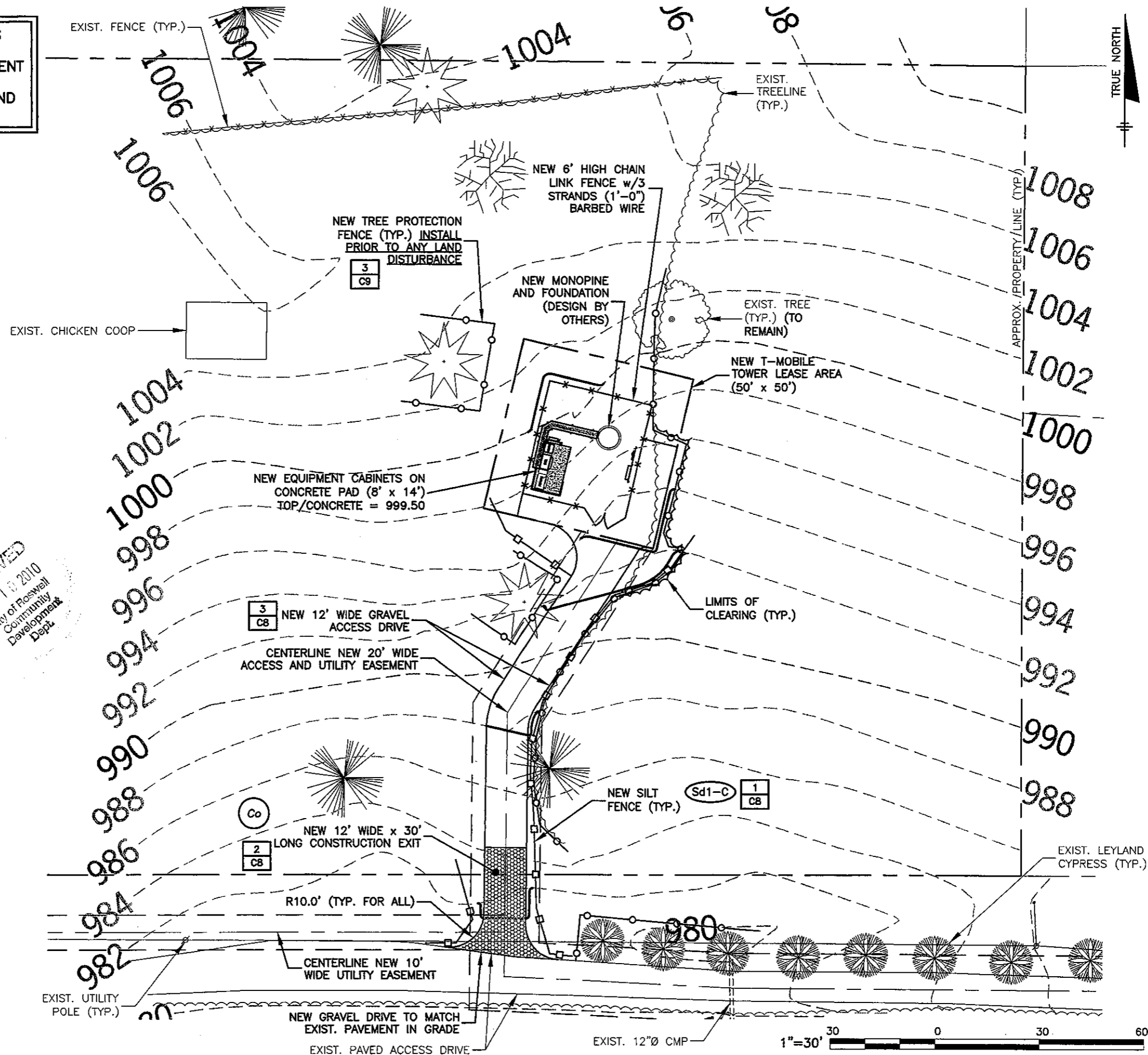
2
C9 Ds1 Ds2 Ds3

TOTAL AREA = ±2.8 Ac

DISTURBED AREA = ±0.10 Ac

LOCAL 24-HOUR EROSION AND
SEDIMENT CONTROL CONTACT:

STEVE HOOD
770-519-1999



APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

PREPARED BY:

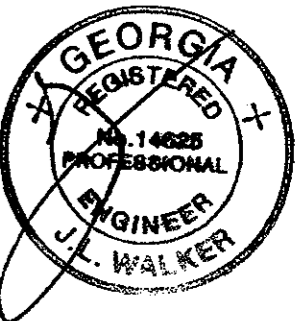
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INCORPORATED

8451 DUNWOODY PLACE
SANDY SPRINGS, GA 30350
PHONE: 770-641-7306
FAX: 770-587-2196

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ROSWELL, GA 30075
FULTON COUNTY

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CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0812-0642T

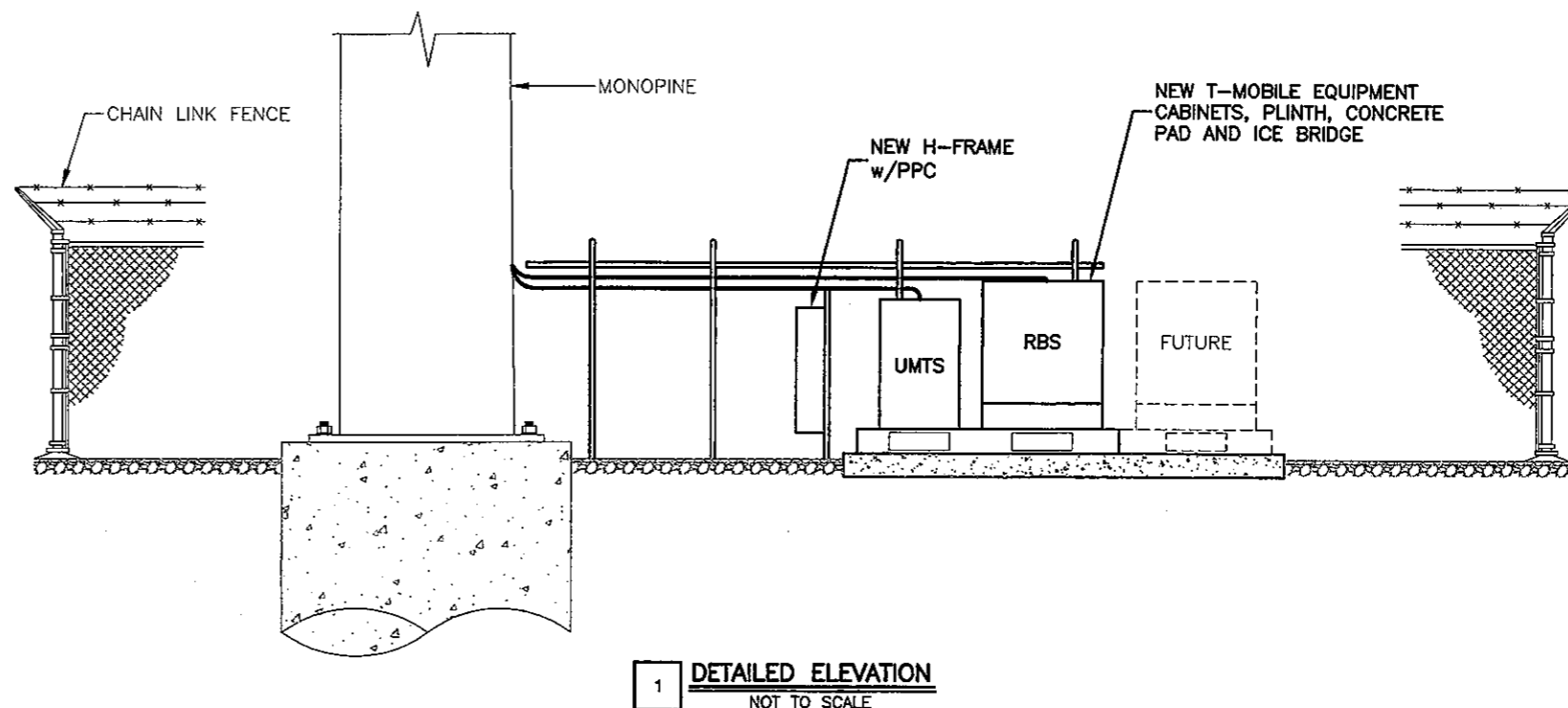
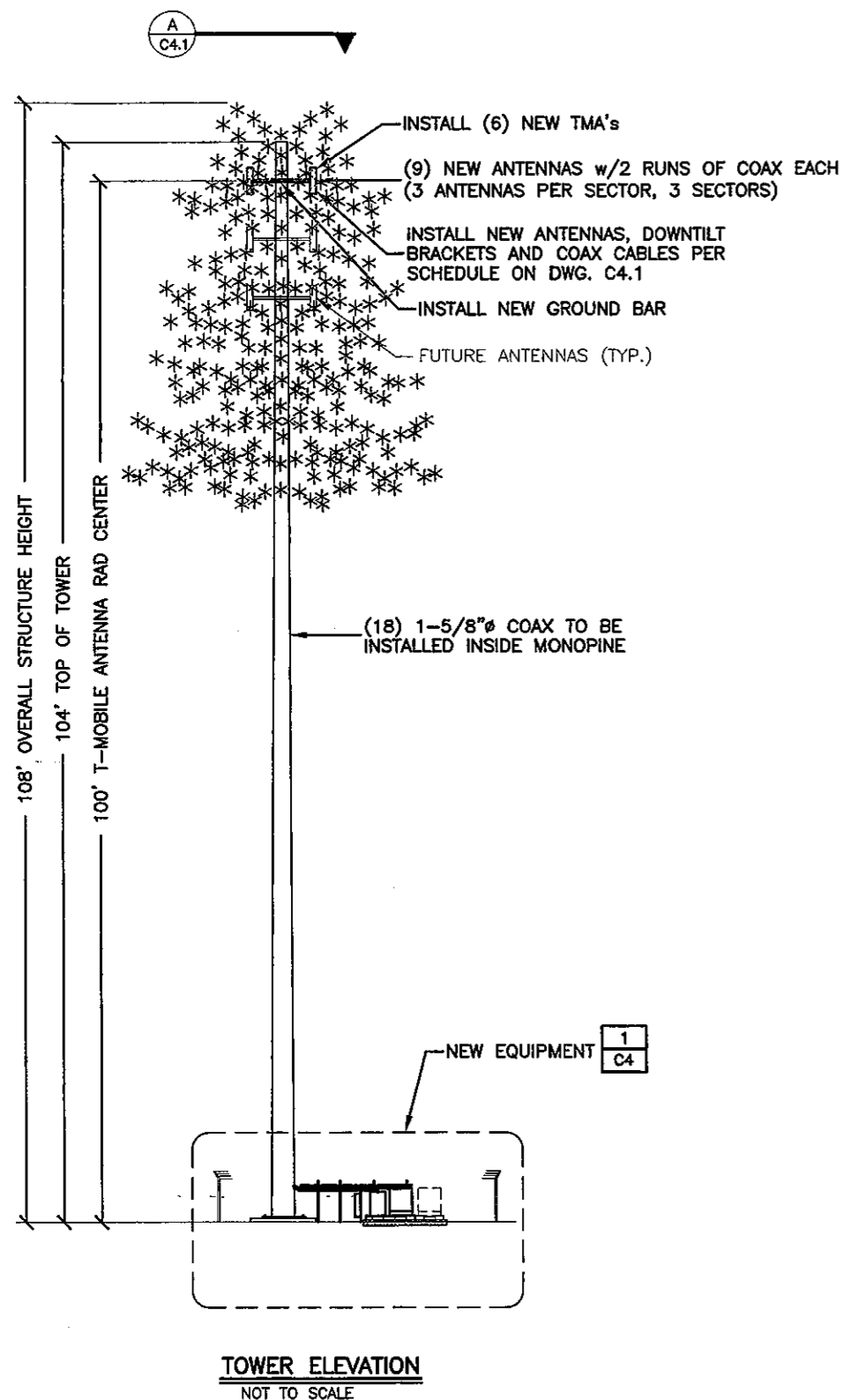
SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

**GRADING AND
EROSION CONTROL
PLAN**

DRAWING NUMBER:

C3.4



NOTES:

1. TOWER STRUCTURAL DESIGN HAS BEEN PERFORMED BY OTHERS. WALKER ENGINEERING ACCEPTS NO RESPONSIBILITY FOR THE SUITABILITY OF THE TOWER TO CARRY EXISTING AND PROPOSED LOADS.
2. CONTRACTOR SHALL COORDINATE WITH AND COMPLY WITH THE PROVISIONS OF THE STRUCTURAL DESIGN PRIOR TO THE INSTALLATION OF ANTENNAS AND COAX ON THE TOWER.
3. RF DATA SHOWN IN THESE PLANS WAS ACCURATE AT THE TIME OF SITE PACKAGE ISSUE. IN THE EVENT THE DATA SHOWN IN THESE PLANS IS IN CONFLICT WITH THE CURRENT RF CONSTRUCTION DATA SHEET, THE RF CONSTRUCTION DATA SHEET WILL SUPERSEDE THE INFORMATION SHOWN IN THESE PLANS. THE FIELD CONSTRUCTION CREW IS DIRECTED TO USE THE CURRENT RF CONSTRUCTION DATA SHEET FOR ALL ANTENNA TYPES AND ALIGNMENT INFORMATION.
4. STRUCTURES SHOWN ARE SCHEMATIC IN NATURE ONLY. THE CONTRACTOR SHALL COORDINATE WITH THE SITE PLANS AND THE CONSTRUCTION MANAGER FOR EXACT LOCATION, TYPE OF ANTENNA MOUNTS AND COAX CABLE SUPPORT MEANS.

DETAIL SCHEMATIC IN NATURE ONLY. NOT
ALL NEW EQUIPMENT SHOWN. REF. SITE
PLAN(S) FOR EXACT ORIENTATION AND
LOCATION OF NEW T-MOBILE EQUIPMENT.

APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

PREPARED BY:

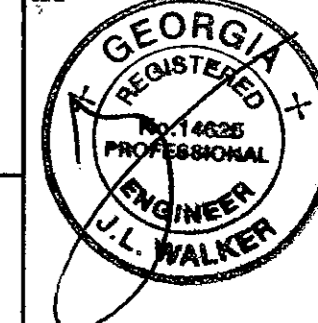
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ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

TOWER ELEVATION
AND
EQUIPMENT ELEVATION

DRAWING NUMBER:

C4

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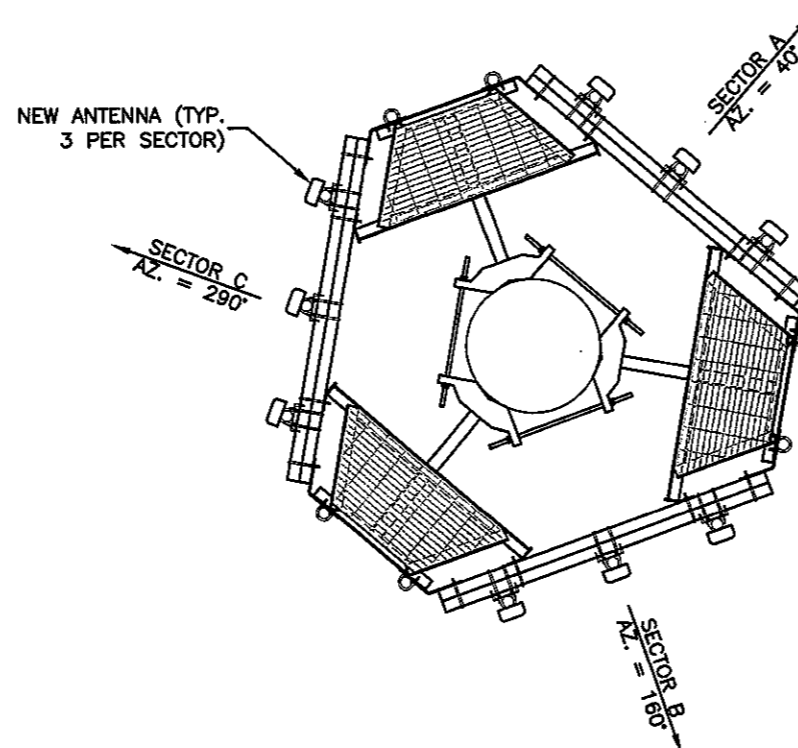
ANTENNA AND COAXIAL CABLE SCHEDULE												
ANTENNA MARK	SECTOR	TYPE	ANTENNA ①	COAXIAL CABLE FEED LOCATION	AZIMUTH (0°=NORTH)	COAXIAL COLOR CODE	COAXIAL CABLE SIZE-NUM-LENGTH	ANTENNA CONFIGURATION	MECHANICAL DOWN TILT	ELECTRICAL DOWN TILT	RADIATION CENTER	TMA
A1	A	GSM	APXV18-206517S-C-A20	CENTER	40°	RX - 1 RED TX - 1 RED/1 WHITE	1-5/8"-2-140'	TX/RX	0°	2°	100'	ATMAP1412D-1A20
A2	A	UMTS	APXV18-206517S-C-A20	CENTER	40°	RX/TX - 1 RED/1 BROWN RX/TX - 1 RED/2 BROWN	1-5/8"-2-140'	TX/RX	0°	2°	100'	N/A
A3	A	GSM	APXV18-206517S-C-A20	CENTER	40°	RX - 2 RED TX - 2 RED/1 WHITE	1-5/8"-2-140'	TX/RX	0°	2°	100'	ATMAP1412D-1A20
B1	B	GSM	APXV18-206517S-C-A20	CENTER	160°	RX - 1 BLUE TX - 1 BLUE/1 WHITE	1-5/8"-2-140'	TX/RX	0°	2°	100'	ATMAP1412D-1A20
B2	B	UMTS	APXV18-206517S-C-A20	CENTER	160°	RX/TX - 1 BLUE/1 BROWN RX/TX - 1 BLUE/2 BROWN	1-5/8"-2-140'	TX/RX	0°	2°	100'	N/A
B3	B	GSM	APXV18-206517S-C-A20	CENTER	160°	RX - 2 BLUE TX - 2 BLUE/1 WHITE	1-5/8"-2-140'	TX/RX	0°	2°	100'	ATMAP1412D-1A20
C1	C	GSM	APXV18-206517S-C-A20	CENTER	290°	RX - 1 GREEN TX - 1 GREEN/1 WHITE	1-5/8"-2-140'	TX/RX	0°	2°	100'	ATMAP1412D-1A20
C2	C	UMTS	APXV18-206517S-C-A20	CENTER	290°	RX/TX - 1 GREEN/1 BROWN RX/TX - 1 GREEN/2 BROWN	1-5/8"-2-140'	TX/RX	0°	2°	100'	N/A
C3	C	GSM	APXV18-206517S-C-A20	CENTER	290°	RX - 2 GREEN TX - 2 GREEN/1 WHITE	1-5/8"-2-140'	TX/RX	0°	2°	100'	ATMAP1412D-1A20

- ① FINAL ANTENNA MAKE/MODEL TO BE DETERMINED BY T-MOBILE SOUTH, LLC. ANTENNAS TO BE PROVIDED BY T-MOBILE AND INSTALLED BY CONTRACTOR.
 ② SPECIFICATIONS FOR FUTURE ANTENNAS AND LINES TO BE DETERMINED (IF APPLICABLE).

TMA INFORMATION:

GSM:
 RFS DUAL DUPLEX
 MODEL # ATMAP1412D-1A20
 WEIGHT: 13.0 lb
 DIMENSIONS: 12" x 10" x 4"

PARTS LIST (PROVIDED BY KENWOOD TELECOM)		
ITEM	PART NUMBER	DESCRIPTION
1	T1516KTA	PLATFORM
2	T1503KT40A T1503KT60A	RING MOUNT (10-40"Ø POLE) RING MOUNT (30-60"Ø POLE)
3	T1516KT-XY	ANTENNA MOUNTING PIPES (WHERE X = NUMBER OF PIPES AND Y = LENGTH OF PIPE IN INCHES)



SECTION
NOT TO SCALE

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RF INFORMATION SHOWN
 PROVIDED BY T-MOBILE

APPLICANT/OWNER

T-Mobile
 South, LLC

FOUR CONCOURSE PARKWAY
 SUITE 300
 SANDY SPRINGS, GA 30328
 PHONE: (770) 604-8980
 FAX: (770) 350-3049

PREPARED BY:

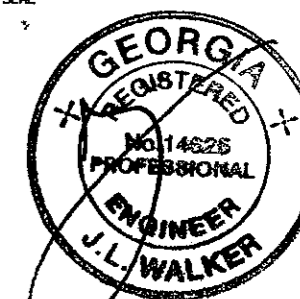
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 ROSWELL, GA 30075
 FULTON COUNTY

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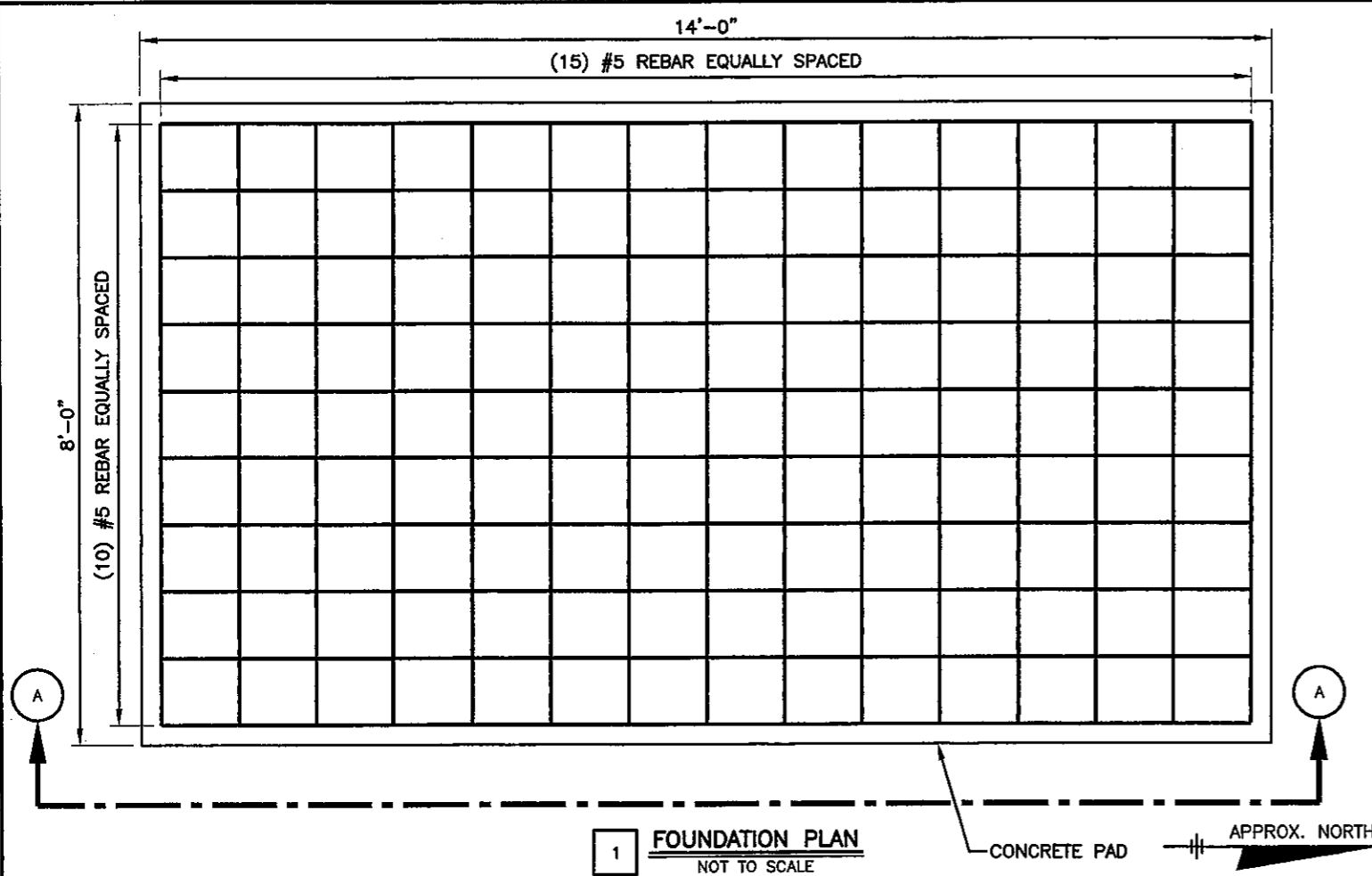
SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

RF CONFIGURATION

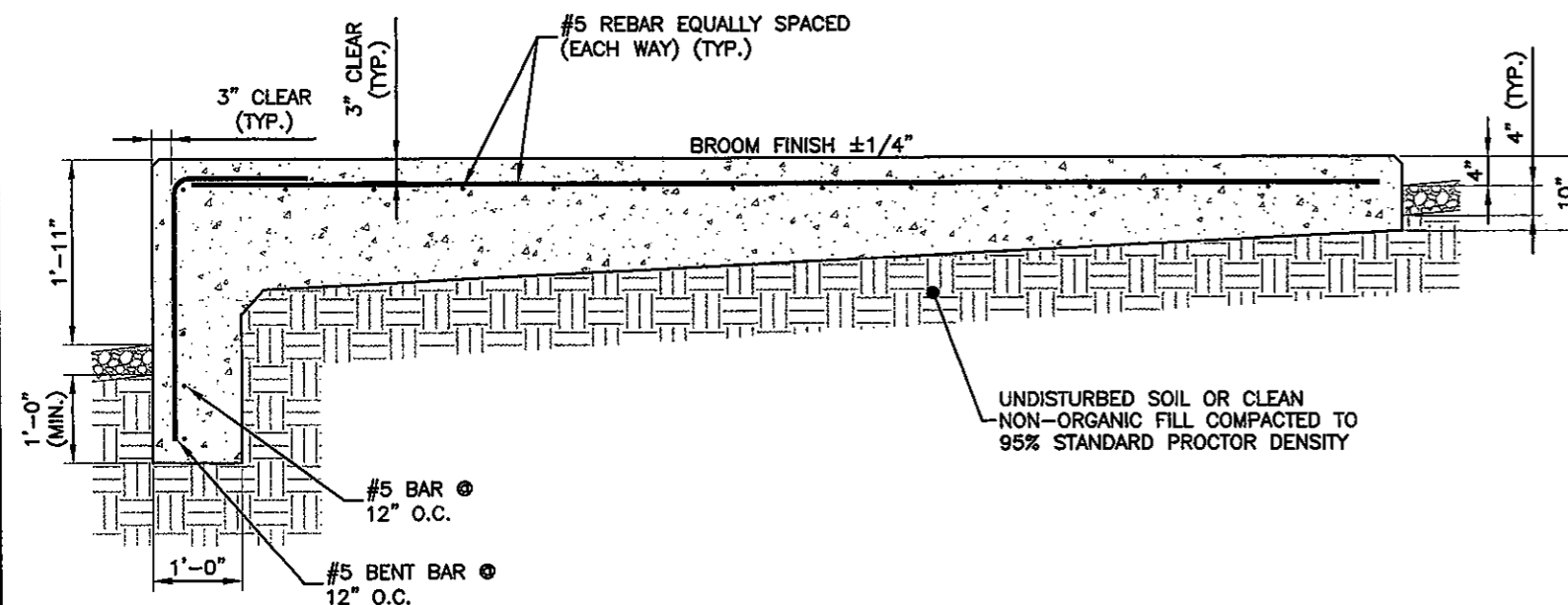
DRAWING NUMBER:

C4.1



CONCRETE NOTES:

1. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS; CONTINUOUS INSPECTION IS NOT REQUIRED. PORTLAND CEMENT: TYPE I OR II (REFER TO GEOTECHNICAL REPORT). SLUMP: 2" MIN./4" MAX. AIR ENTRAINMENT: 2-3% BY VOLUME.
2. MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4". REINFORCEMENT SHALL BE NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE 60. MINIMUM REBAR SPLICES SHALL BE 30 DIAMETERS.
3. REINFORCEMENT SHALL HAVE A MINIMUM CLEAR DIMENSION ON ALL SIDES OF 3" UNLESS NOTED OTHERWISE.
4. ALL EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION PRIOR TO PLACEMENT OF CONCRETE. ALL CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
5. MAINTAIN TEMPERATURE OF CAST-IN-PLACE CONCRETE BETWEEN 50 DEGREES AND 90 DEGREES F.
6. DO NOT USE RETEMPERED CONCRETE, OR ADD WATER TO READY-MIX CONCRETE AT THE JOB SITE.
7. TOP OF SLAB TO HAVE 3/4" CHAMFER ON ALL SIDES.
8. ATTACH EQUIPMENT TO CONCRETE PER MANUFACTURER'S SPECIFICATIONS.
9. FOUNDATION DESIGN BASED ON 2000 PSF MIN. SOIL BEARING CAPACITY. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER IF SOILS OF LESSER BEARING CAPACITY ARE ENCOUNTERED.
10. NO SPLICES OF REINFORCEMENT PERMITTED EXCEPT AS DETAILED OR AUTHORIZED. MAKE BARS CONTINUOUS AROUND CORNERS. WHERE PERMITTED, SPLICES MADE BY CONTACT LAPS SHALL BE CLASS "B" TENSION LAPS UNLESS NOTED OTHERWISE.
11. DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL, 1985" PUBLICATION SP-66 AND "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-05.
12. PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AT POSITIONS SHOWN ON PLAN.



APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

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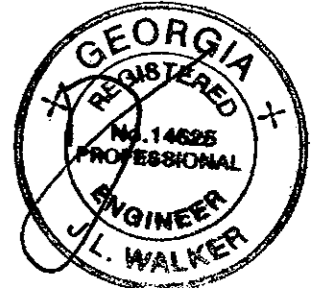
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SANDY SPRINGS, GA 30350
PHONE: 770-641-7306
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PROJECT LOCATION

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FULTON COUNTY

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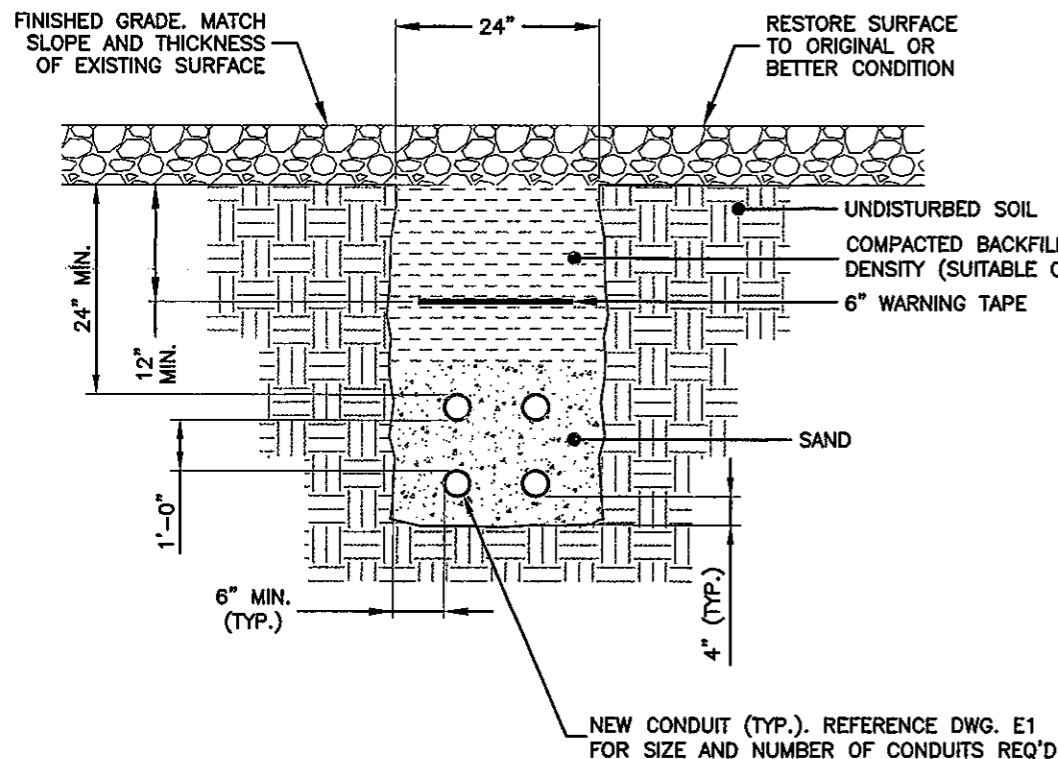
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FOUNDATION DETAILS

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C5

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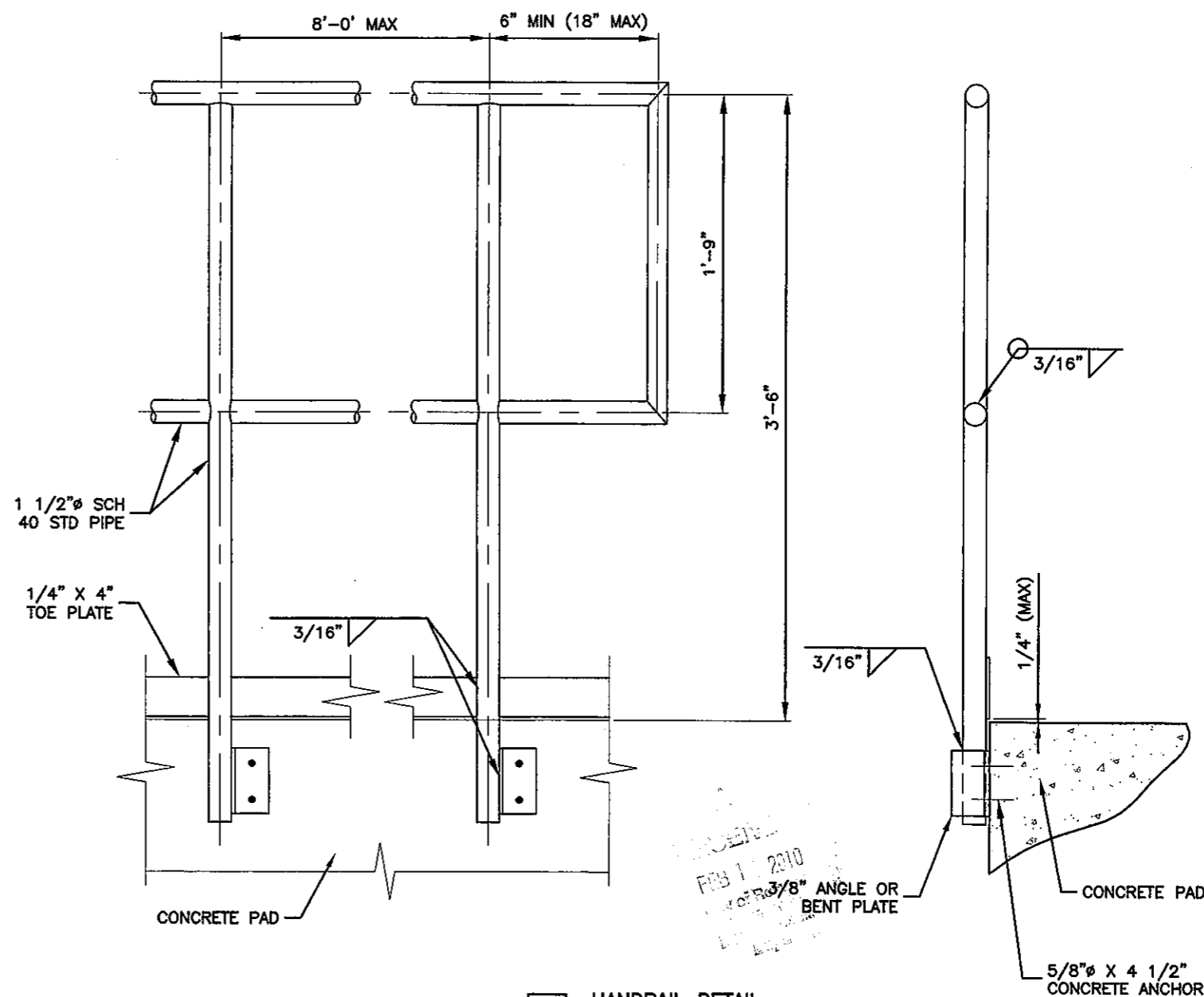
NOTES:

1. PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
2. PROVIDE RGS CONDUIT AND ELBOWS AT STUB-UP LOCATIONS (i.e. SERVICE POLE, BTS EQUIPMENT, ETC.).
3. INSTALL UTILITY PULL BOXES PER NEC (IF REQ'D).

1 UNDERGROUND CONDUITS DETAIL NOT TO SCALE

UTILITY NOTES:

1. THE CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT MEETS OR EXCEEDS AVAILABLE FAULT CURRENT.
2. REFER TO DWG. E5 FOR ALL CONDUCTOR SIZES.
3. COORDINATE EXACT LOCATION OF ALL UTILITY CONDUIT STUB-UPS WITH UTILITY COMPANIES AND CONSTRUCTION MANAGER.
4. THE CONTRACTOR SHALL ROUTE CONDUIT TO EXISTING UTILITY SERVICE (IF APPLICABLE). STUB-UP 6" ABOVE FINISHED GRADE, CAP AND LABEL AT DEMARC. COORDINATE CONDUIT ROUTING WITH UTILITY COMPANY.
5. THE CONTRACTOR SHALL VERIFY THE EQUIPMENT WIRING REQUIREMENTS WITH THE MANUFACTURER.
6. PROVIDE AND INSTALL WARNING TAPE 12" BELOW GRADE FOR UTILITY SERVICE CONDUITS.
7. THE CONTRACTOR IS TO PAY ALL FEES FOR SERVICES AS REQUIRED.
8. ENCASE CONDUITS IN CONCRETE WHERE CROSSING ROADS, DRIVEWAYS, ETC.
9. COORDINATE WITH THE UTILITY COMPANIES PRIOR TO DITCHING AND INSTALLATION OF UNDERGROUND CONDUITS FOR EXACT LOCATION AND INSTALLATION REQUIREMENTS.



2 HANDRAIL DETAIL NOT TO SCALE

APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
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FAX: (770) 350-3049

PREPARED BY:

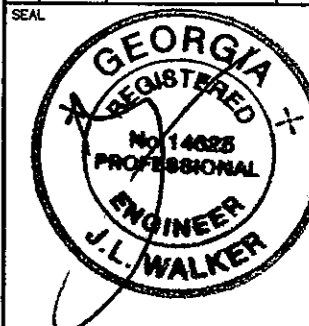
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MJJ

DATE:

12/22/09

JOB NO.:

0912-0642T

SITE NO.:

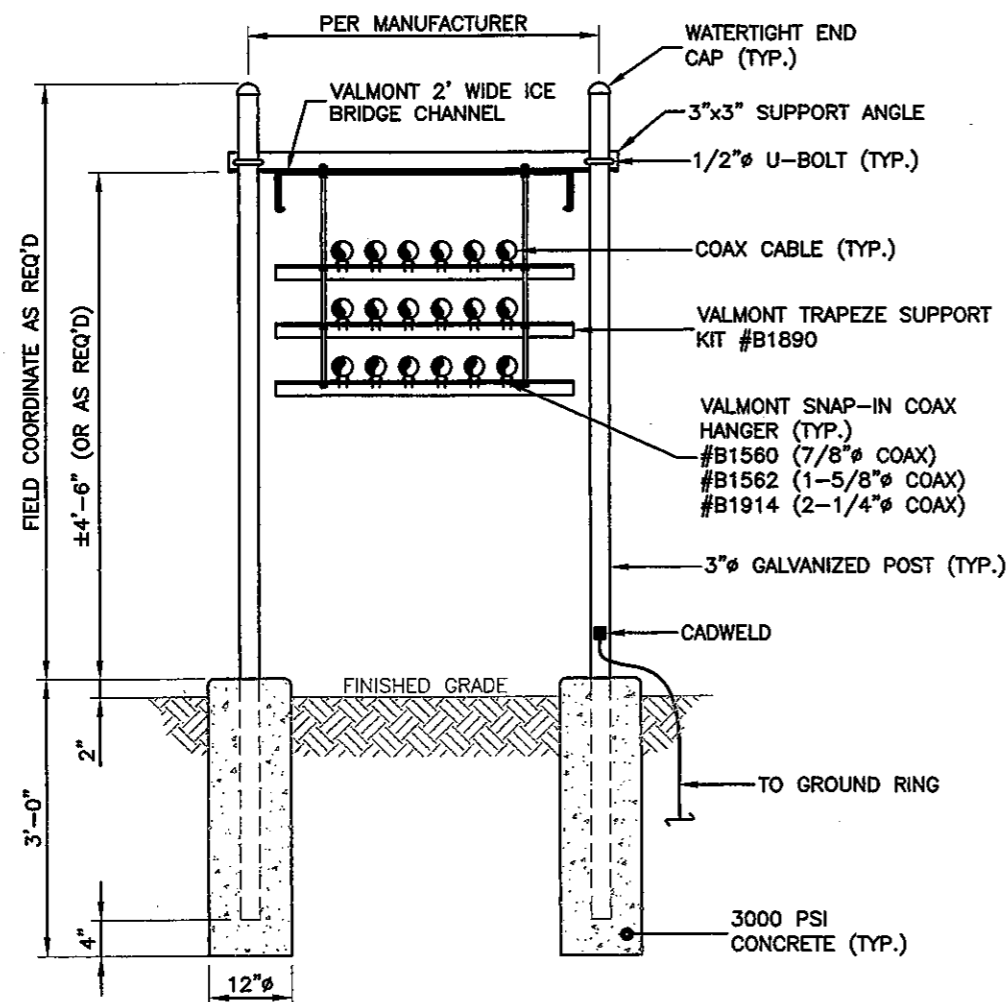
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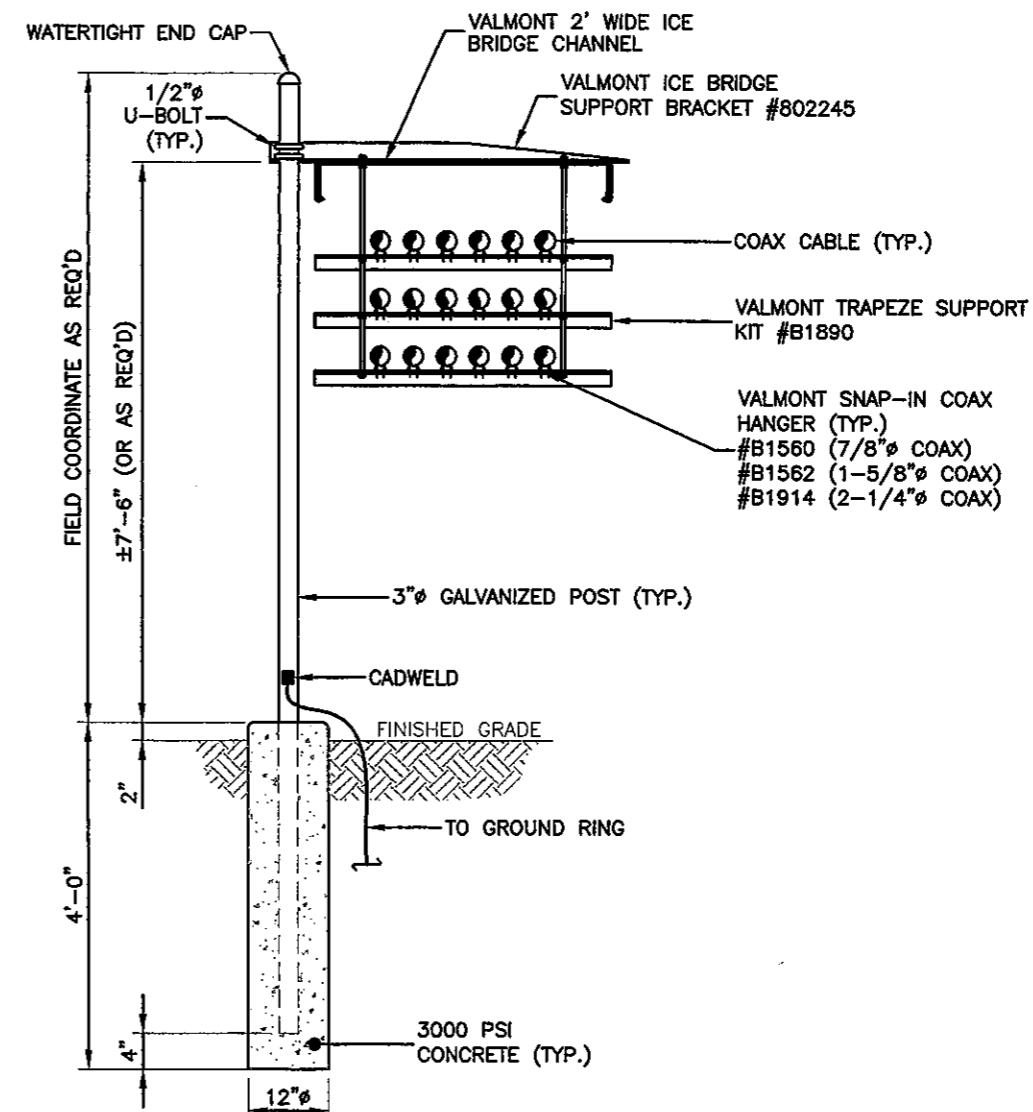
DRAWING NUMBER:

C5.1



1 ICE BRIDGE DETAIL
NOT TO SCALE

SITES MAY USE ONE OR BOTH TYPES OF ICE BRIDGE. COORDINATE WITH SITE PLAN(S) AND CONSTRUCTION MANAGER FOR SPECIFIC ICE BRIDGE REQUIRED.



2 ICE BRIDGE DETAIL
NOT TO SCALE

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APPLICANT/OWNER

T-Mobile
South, LLC

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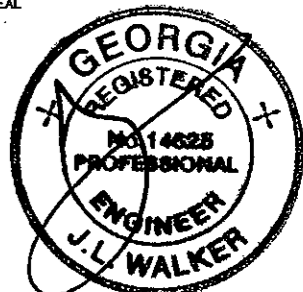
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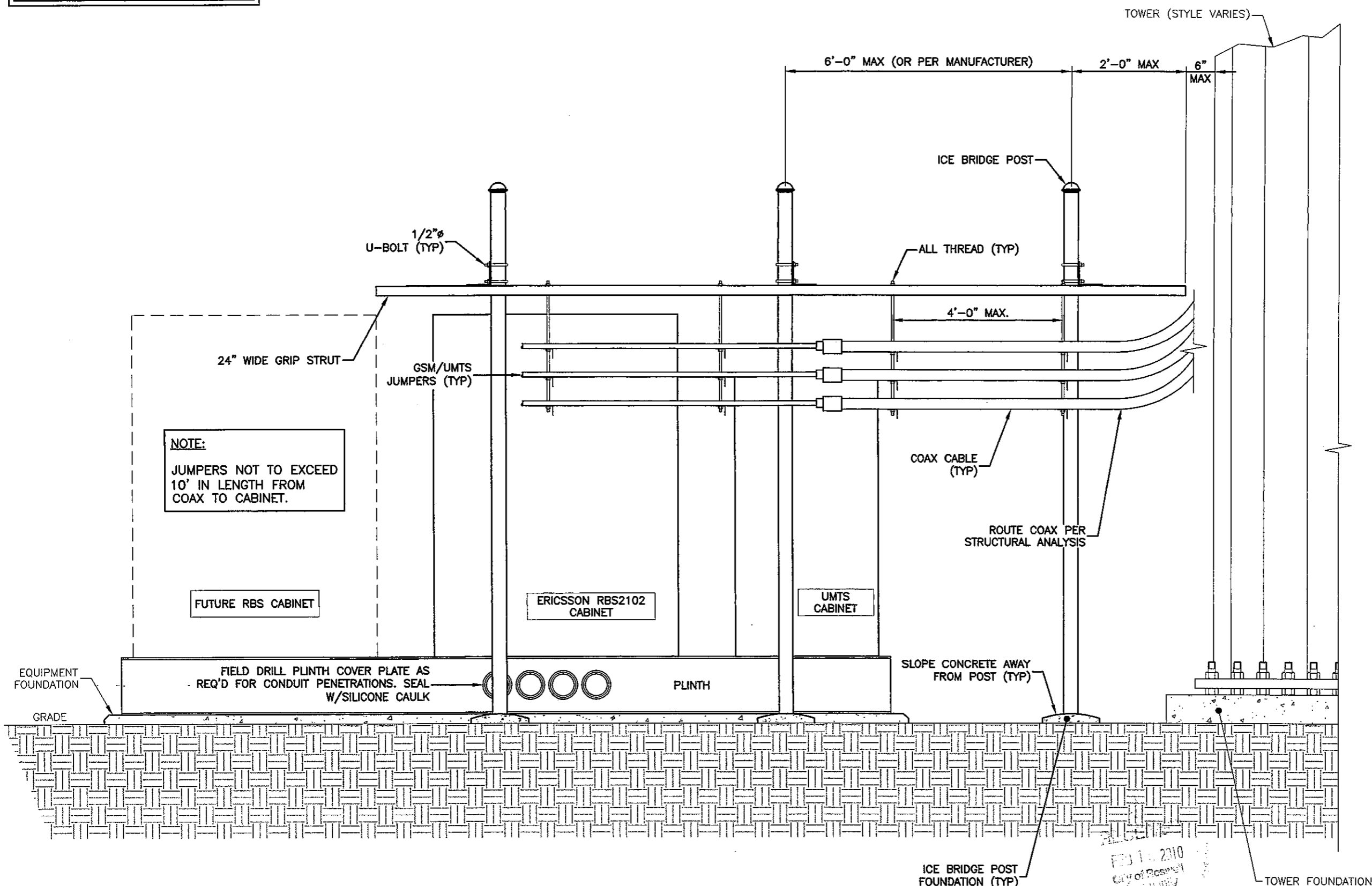
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ICE BRIDGE DETAILS

DRAWING NUMBER:

C6

DETAIL SCHEMATIC IN NATURE ONLY. NOT ALL NEW EQUIPMENT SHOWN. REF. SITE PLAN(S) FOR EXACT ORIENTATION AND LOCATION OF NEW T-MOBILE EQUIPMENT.



1 ICE BRIDGE DETAIL
NOT TO SCALE

APPLICANT/OWNER

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South, LLC

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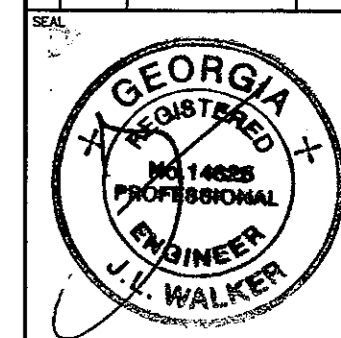
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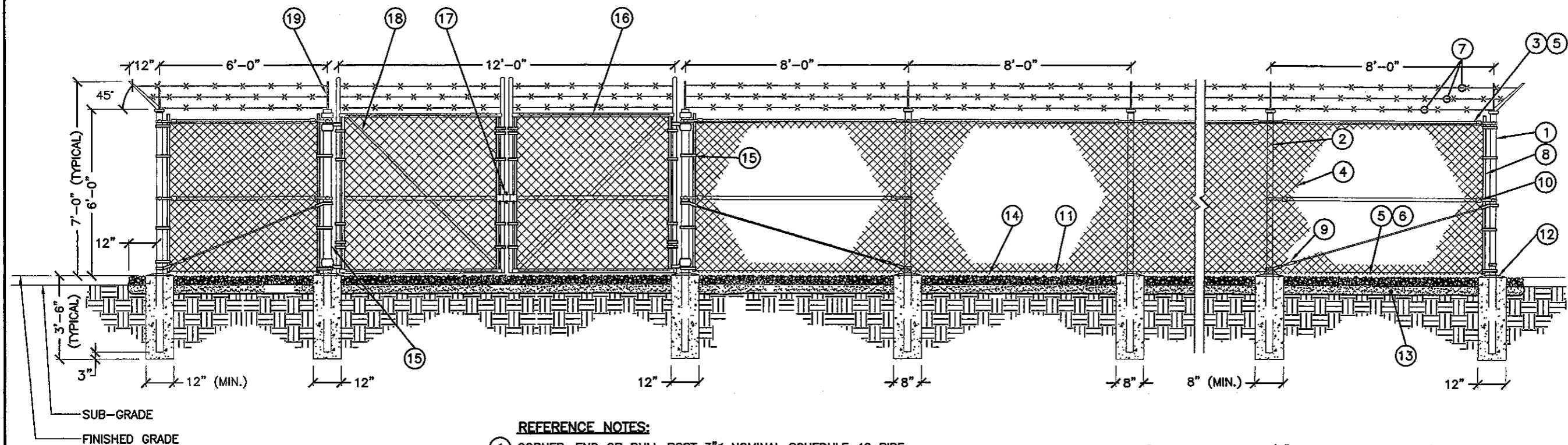
SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

ICE BRIDGE DETAIL

DRAWING NUMBER:

C6.1



GENERAL NOTES:

1. INSTALL FENCING PER ASTM F-567.
2. INSTALL SWING GATES PER ASTM F-900.
3. COMPLY WITH LOCAL ORDINANCE FOR BARBED WIRE PERMIT (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.

REFERENCE NOTES:

- 1 CORNER, END OR PULL POST 3"Ø NOMINAL SCHEDULE 40 PIPE.
- 2 LINE POST: 2"Ø SCHEDULE 40 PIPE, PER ASTM-F1083. LINE POSTS SHALL BE EQUALLY SPACED AT 10'-0" O.C. MAX.
- 3 TOP RAIL & BRACE RAIL: 1-1/2" SCHEDULE 40 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. AT TENSION WIRE: HOG RINGS SPACED AT 24" INTERVALS MAX.
- 6 TENSION WIRE: 7 GA GALVANIZED STEEL.
- 7 BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH WITH FABRIC. 14 GA, 4 POINT 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"Ø EACH CORNER EACH WAY.
- 11 1-1/2" MAXIMUM CLEARANCE FROM GRADE.
- 12 1" CROWN ABOVE FINISH GRADE.
- 13 4" COMPACTED BASE MATERIAL OR AS DETERMINED BY CONSTRUCTION MANAGER DURING BID WALK.
- 14 FINISHED GRADE SHALL BE UNIFORM AND LEVEL.
- 15 GATE POST: 2-1/2"Ø SCHEDULE 40 PIPE (FOR SINGLE GATE WIDTHS UP TO 6 FEET OR DOUBLE SWING GATE WIDTHS UP TO 12 FEET), PER ASTM-F1083.
- 16 GATE FRAME: 1-1/2" SCHEDULE 40 PIPE, PER ASTM-F1083.
- 17 FORK LATCH WITH LOCK
- 18 GATE DIAGONAL: 1-1/2"Ø GALV. STEEL PIPE
- 19 EXTENSION ARM

1 FENCE DETAIL
NOT TO SCALE

APPLICANT/OWNER

T-Mobile South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

PREPARED BY:

WALKER ENGINEERING INCORPORATED

8451 DUNWOODY PLACE
SANDY SPRINGS, GA 30350
PHONE: 770-641-7306
FAX: 770-587-2196

REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/22/09	ISSUED FOR REVIEW	MJJ
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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

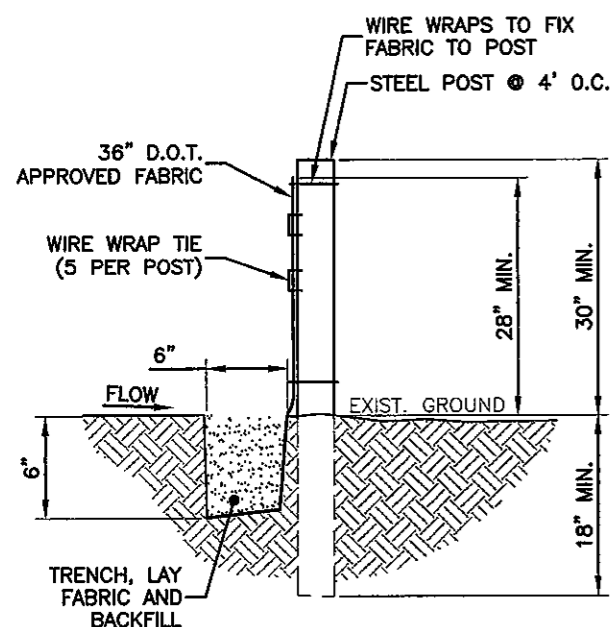
SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

SITE DETAILS

DRAWING NUMBER:

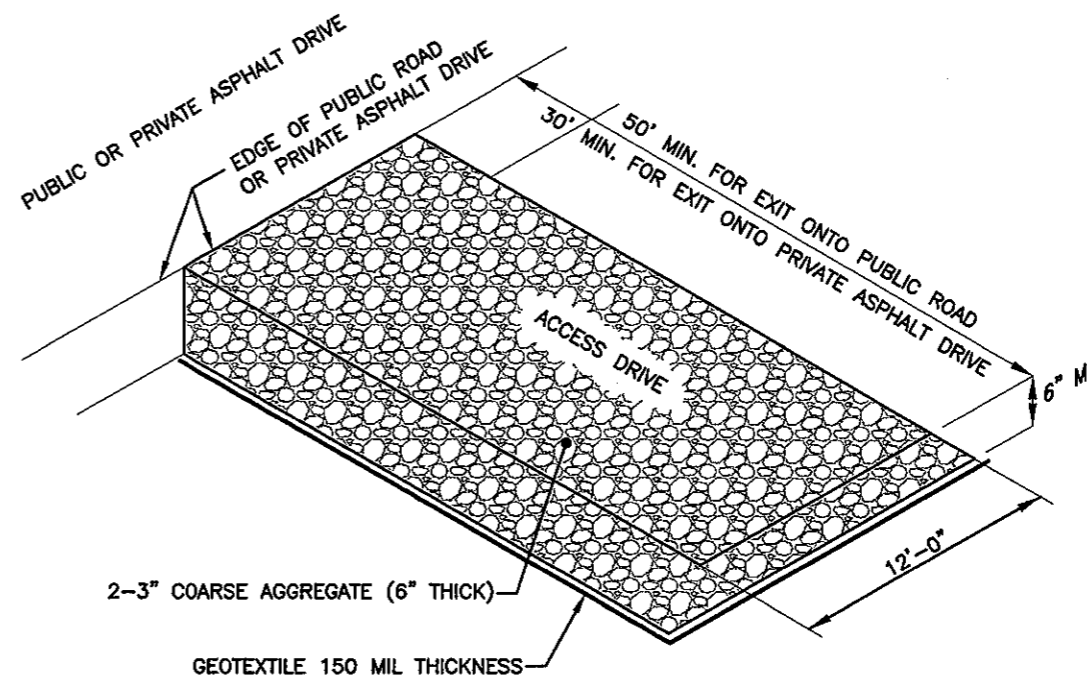
C7



Sd1-C 1 **SILT FENCE DETAIL**
NOT TO SCALE

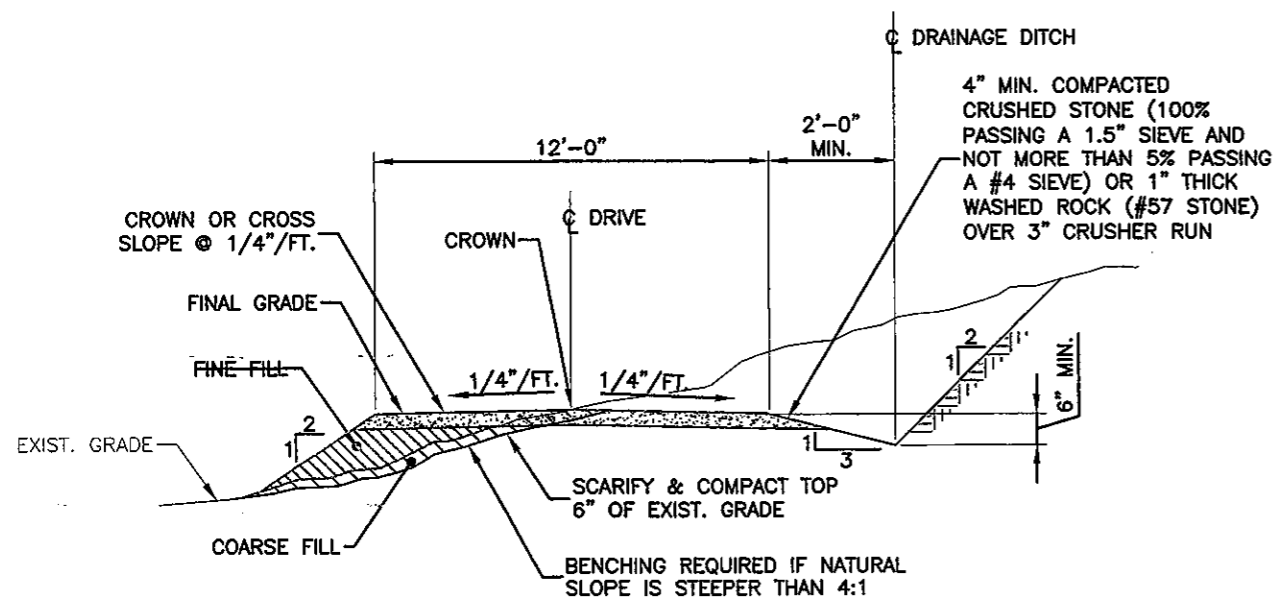
SILT FENCE NOTES:

1. THE FILTER FABRIC USED SHALL BE TYPE I OR II AND SHALL MEET THE REQUIREMENTS OF SECTION 881.06 OF THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA STANDARD SPECIFICATIONS CONSTRUCTION OF ROADS AND BRIDGES, 1977 EDITION.
2. SILT FENCE HEIGHT SHALL BE A MINIMUM OF 2.5 FEET ABOVE GROUND HEIGHT.
3. CONSTRUCT SILT FENCE OF A CONTINUOUS ROLL CUT THE LENGTH OF THE BARRIER TO AVOID JOINTS. FABRIC TO BE FASTENED SECURELY TO STEEL FENCE POSTS WITH 1" TIE WIRES.
4. SUPPORT FABRIC WITH WOVEN WIRE MESH (TOP AND BOTTOM WIRES SHALL BE 10 GA., OTHER WIRES SHALL BE AT LEAST 12.5 GA.). OPENING SHALL BE 6" MAX. SPACING. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO STEEL POSTS WITH 1" TIE WIRES AT THE TOP OF THE WOVEN WIRE FENCE AND AT THE MIDPOINT BETWEEN POSTS.
5. POSTS FOR SILT FENCE SHALL BE STEEL.
6. FENCE POST SPACING SHALL NOT EXCEED 4 FEET O.C.
7. EXCAVATE A TRENCH APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UP SLOPE FROM THE BARRIER. BACK FILL THE TRENCH WITH #57 STONE PLACED OVER THE FILTER FABRIC.
8. DO NOT ATTACH FILTER FABRIC TO EXISTING FENCES, TREES, ETC.
9. REMOVE FENCING FOLLOWING STABILIZATION OF SLOPES AND ALL DISTURBED AREAS.



Co 2 **CONSTRUCTION EXIT DETAIL**
NOT TO SCALE

NOTES:
IT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR TO PROVIDE BUFFER AREA WHERE VEHICLES CAN DROP THEIR MUD AND SEDIMENT TO AVOID TRANSPORTING IT ONTO PUBLIC ROADS OR ADJACENT PRIVATE ASPHALT DRIVES.



3 **GRAVEL DRIVE SECTION**
NOT TO SCALE

EROSION & SEDIMENT CONTROL NOTES:

1. ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.
2. PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
3. 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 UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED.
4. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
6. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
7. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
8. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 7 DAYS SHALL BE STABILIZED WITH SEEDING.

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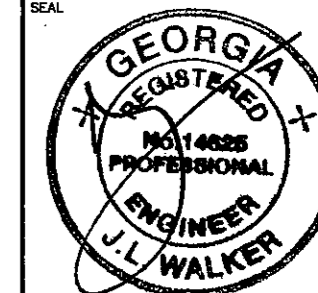
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MJJ

CHECKED BY:

MJJ

DATE:

12/22/09

JOB NO.:

0912-0642T

SITE NO.:

9AT1292D

DRAWING DESCRIPTION:

**EROSION
CONTROL
DETAILS**

DRAWING NUMBER:

C8

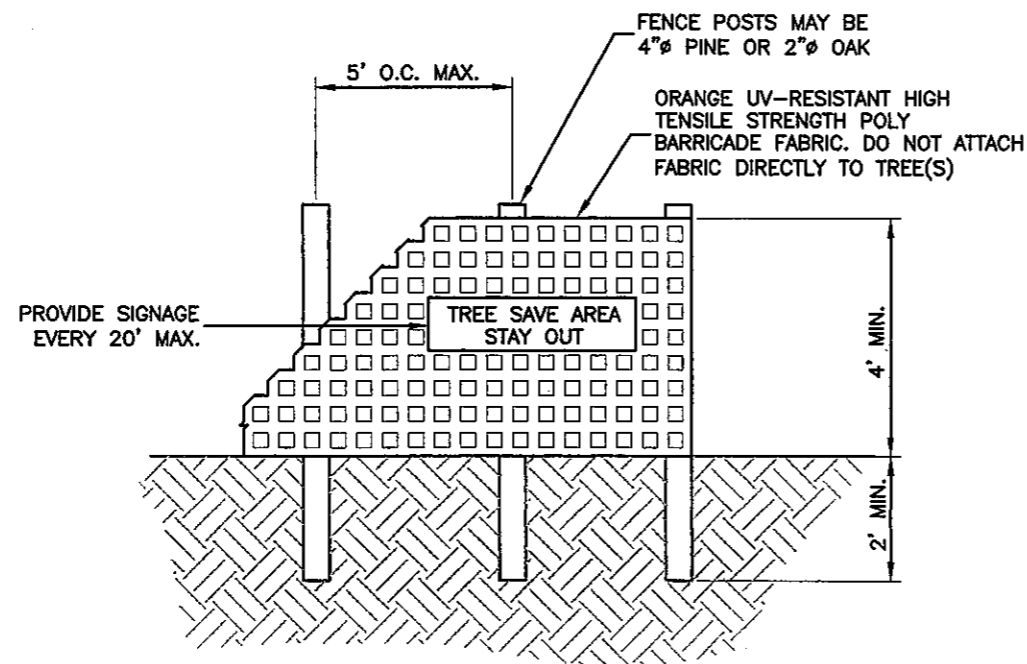
EROSION CONTROL ACTIVITY SCHEDULE

ACTIVITY	WEEK			
	1	2	3	4
SEDIMENT CONTROL & TREE PROTECTION				
CLEARING, GRUBBING, GRADING (IF REQ'D)				
TEMPORARY GRASSING (IF REQ'D)				
MAINT. OF EROSION CONTROL DEVICES				
FINAL SURFACE COURSE				
DISPOSITION OF SEDIMENT DEVICES				
BUILDING CONSTRUCTION				
CLEARING OF STORM DRAINS (IF REQ'D)				
FINAL LANDSCAPING (IF REQ'D)				

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

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

1 ACTIVITY SCHEDULE NOT TO SCALE



NOTE:
CONTRACTOR TO INSTALL FENCE AT A RADIUS EQUAL TO 1' RADIUS PER 1" DIAMETER OF TREE TO REMAIN

3 TREE PROTECTION FENCE DETAIL NOT TO SCALE

Ds1 TEMPORARY STABILIZATION (MULCHING)

WHEN SEEDING WILL NOT HAVE A SUITABLE GROWING SEASON
TEMPORARY STABILIZATION MAY BE ACCOMPLISHED WITH:

STRAW OR HAY: 2-4" DEEP
WOOD WASTE, CHIPS, SAWDUST, BARK: 2-3" DEEP

Ds2 TEMPORARY SEEDING

SEEDING SCHEDULE			
SPECIES	RATE/1000 S.F.	DATES	LIME
WINTER RYE	1.5 - 2 LBS.	9/1-11/1, 3/1-8/1	1 TON/ACRE
*WEeping LOVEGRASS	2 - 3 LBS.	3/1 - 8/1	1 TON/ACRE

*HYDROSEED ON ALL 2:1 (H:V) SLOPES.

FERTILIZER (LBS./ACRE)			
SPECIES	N2	P2O2	K2 O2
WINTER RYE	60 - 90	120 - 180	120 - 180
*WEeping LOVEGRASS	60 - 90	120 - 180	120 - 180

Ds3 PERMANENT SEEDING

SEEDING SCHEDULE			
SPECIES	RATE/1000 S.F.	DATES	LIME
HULLED BERMUDA	2 LBS.	10/1 - 3/1	1 TON/ACRE
UNHULLED BERMUDA	2 LBS.	2/15 - 6/15	1 TON/ACRE
FESCUE	5 - 10 LBS.	9/1 - 11/1	1 TON/ACRE

FERTILIZER (LBS./ACRE)			
SPECIES	N2	P2O2	K2 O2
HULLED BERMUDA	60 - 90	120 - 180	120 - 180
UNHULLED BERMUDA	60 - 90	120 - 180	120 - 180
FESCUE	60 - 90	120 - 180	120 - 180

2 STABILIZATION DETAIL NOT TO SCALE

Ds1 Ds2 Ds3

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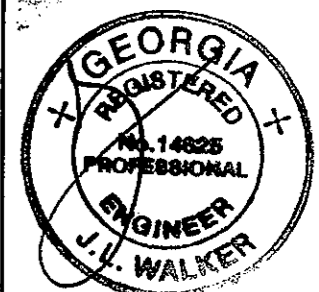
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FULTON COUNTY

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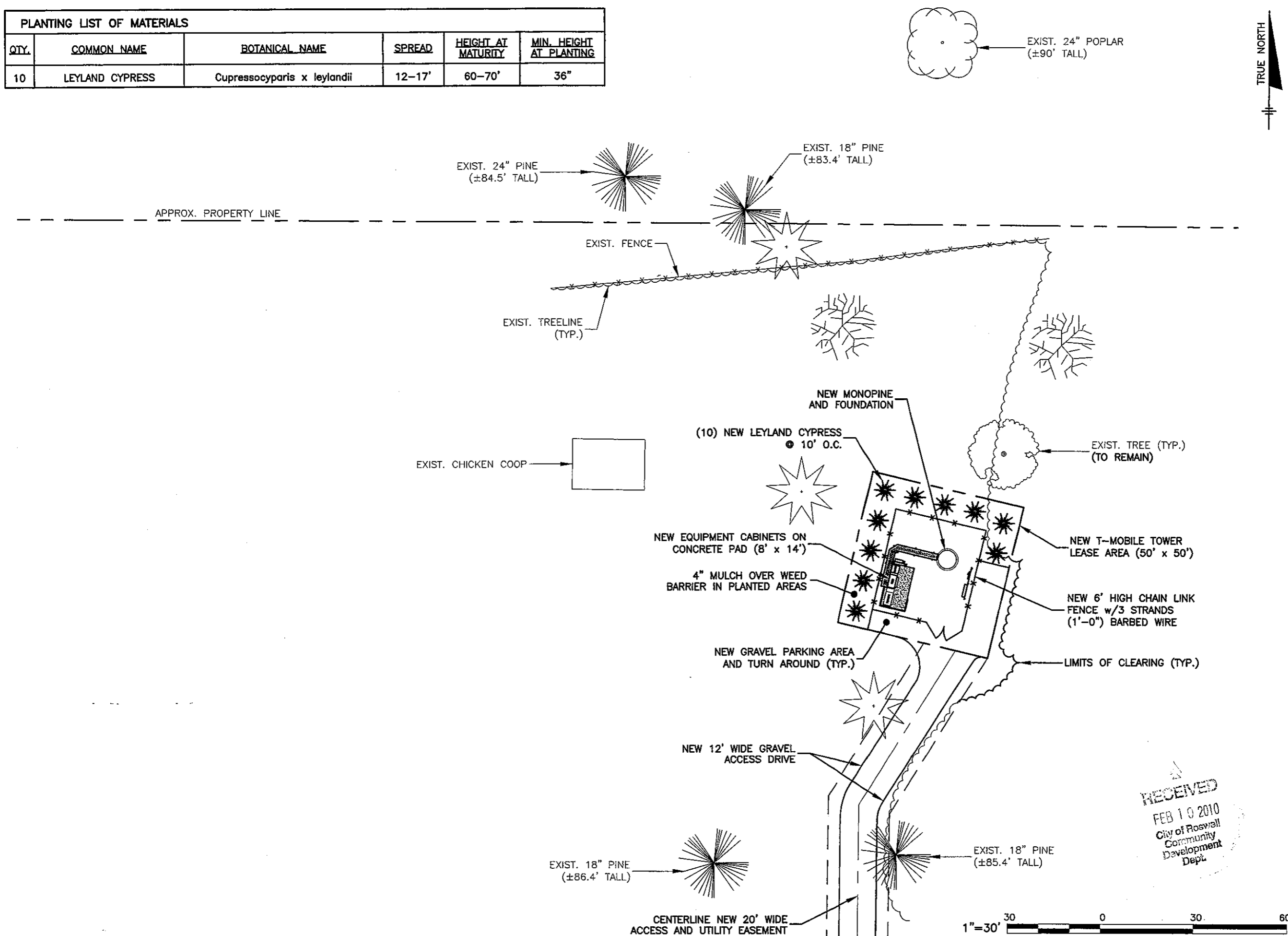
DRAWING DESCRIPTION:

**EROSION
CONTROL
DETAILS**

DRAWING NUMBER:

C9

PLANTING LIST OF MATERIALS					
QTY.	COMMON NAME	BOTANICAL NAME	SPREAD	HEIGHT AT MATURITY	MIN. HEIGHT AT PLANTING
10	LEYLAND CYPRESS	Cupressocyparis x leylandii	12-17'	60-70'	36"



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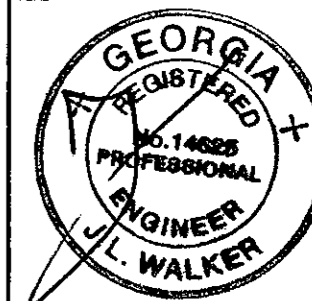
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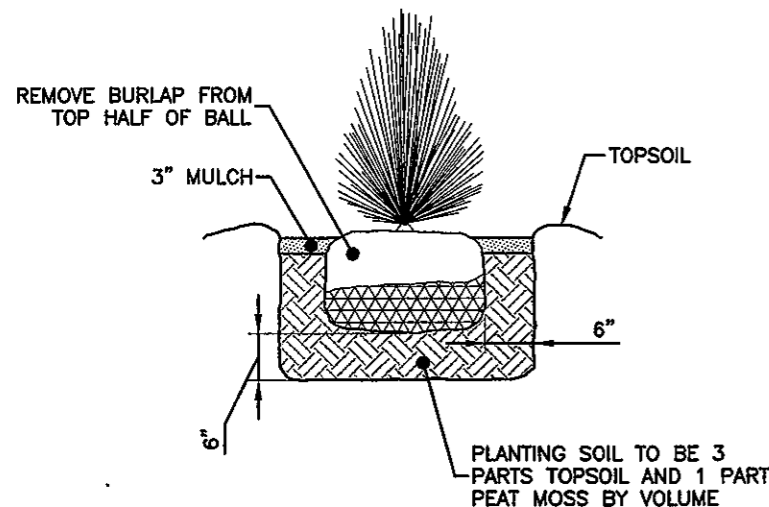
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LANDSCAPE PLAN

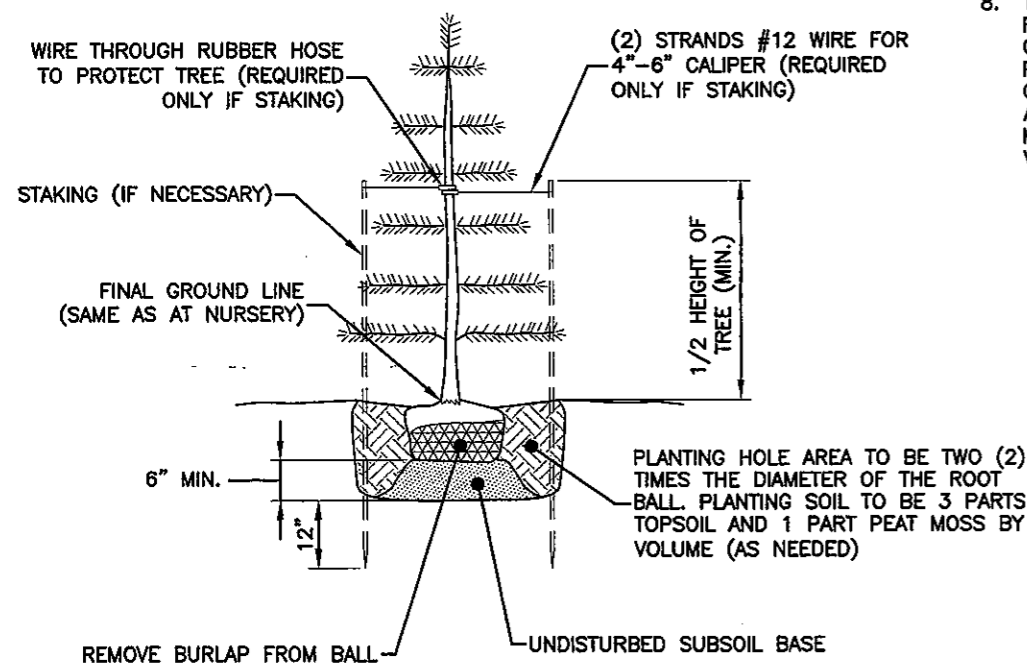
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L1

RECEIVED
FEB 10 2010
City of Roswell
Community
Development
Dept.



TYPICAL SHRUB PLANTING DETAIL
NOT TO SCALE



EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE

5' HT. - USE 2 STAKES, 1/2 HT. OF TREE +2'

LANDSCAPE NOTES

A. PROJECT INCLUDES

- FURNISH, INSTALL, AND MAINTAIN LANDSCAPE WORK AS SHOWN ON THESE CONTRACT DRAWINGS OR AS IDENTIFIED HEREIN.
 - TREES, SHRUBS AND GROUND COVER.
 - LAWNS.
 - TOPSOIL AND SOIL AMENDMENTS.
 - INITIAL MAINTENANCE OF INSTALLED LANDSCAPE MATERIAL.
 - PRUNING AND RELOCATION OF EXISTING PLANT MATERIALS.
 - RECONDITIONING EXISTING LAWNS AFFECTED BY CONSTRUCTION ACTIVITIES.

B. QUALITY ASSURANCE

- PLANTS AND TREES: BALLED AND BURLAPED PLANTS AND TREES SHALL BE GRADED TO AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1.
- TESTING: LABORATORY TESTING OF EXISTING SOILS AND FILL MATERIALS FOR SUITABLE SOIL AMENDMENTS AND FERTILIZER SHALL BE PERFORMED BY THE LANDSCAPE CONTRACTOR.
- CONTRACTOR SHALL PREPARE THE SURFACE OF DISTURBED AREAS PRIOR TO SEEDING.
- FERTILIZER AND SEED SHALL BE APPLIED AT UNIFORM RATES AS DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL WATER SEEDED AREAS AS OFTEN AS REQUIRED TO OBTAIN GERMINATION AND TO OBTAIN AND MAINTAIN SATISFACTORY GROWTH.
- THE STAND OF VEGETATIVE COVER RESULTING FROM SEEDING SHALL NOT BE CONSIDERED SATISFACTORY UNTIL ACCEPTED BY THE ENGINEER. IF AREAS ARE DETERMINED TO BE UNACCEPTABLE, THE MULCH WILL BE REMOVED AND ALL AREAS SHALL BE RESEED, REFERTILIZED AND REMULCHED PER RECOMMENDED APPLICATION PROCEDURES AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL BEGIN MAINTENANCE PERIOD IMMEDIATELY AFTER PLANTING OF VEGETATIVE COVER.
- THE CONTRACTOR SHALL MAINTAIN THE VEGETATIVE COVER AREA, FOR THE PERIODS REQUIRED TO ESTABLISH AN ACCEPTABLE GROWTH, BUT NOT LESS THAN 60 DAYS AFTER THE COMPLETION OF PLANTING OF VEGETATIVE COVER. IF SEEDED IN THE FALL AND NOT GIVEN A FULL 60 DAYS OF MAINTENANCE, OR IF NOT CONSIDERED ACCEPTABLE BY THE ENGINEER AT THAT TIME, CONTINUE MAINTENANCE DURING THE FOLLOWING SPRING UNTIL ACCEPTABLE VEGETATIVE COVER STAND IS ESTABLISHED.

C. PRODUCTS

- PLANT MATERIALS SHALL BE AS SHOWN ON THESE CONTRACT DRAWINGS AND MAY BE ANY COMBINATION OF THE FOLLOWING:
 - DECIDUOUS TREES.
 - DECIDUOUS SHRUBS.
 - CONIFEROUS AND BROAD LEAFED EVERGREEN TREES AND SHRUBS.
 - GROUND COVER.
 - PLANTS.
- LAWNS: LAWN MAY BE ANY OF THE FOLLOWING, AS APPROVED BY THE ENGINEER: SEED; NEW CROP SEED MIXTURE; SOD, STRONGLY ROOTED, 2 YEARS OLD; OR SOD PLUGS AND SPRIGS.
- TOPSOIL: FERTILE, FRIABLE TOPSOIL FROM OFFSITE, OR FROM SITE STOCKPILE WITH ADDITIONAL MIXED-IN FERTILE, FRIABLE TOPSOIL FROM LOCAL SUPPLIERS OF TOPSOIL.
- SOIL AMENDMENTS: THE SOIL AMENDMENTS MAY BE ANY OF THE FOLLOWING, AS REQUIRED OR INDICATED IN THE LABORATORY TESTING REPORTS.
 - LIME: DOLOMITIC LIMESTONE.
 - ALUMINUM SULFATE: COMMERCIAL GRADE.
 - PEAT HUMUS: FINELY DIVIDED PEAT.
 - SUPERPHOSPHATE: 20 PERCENT AVAILABLE PHOSPHORIC ACID.
 - SAND: CLEAN, WASHED SAND.
 - PERLITE: NBS PS 23.
 - SAWDUST: ROTTED SAWDUST FREE OF CHIPS AND STONES.
 - MANURE: ROTTED STABLE MANURE.
 - COMMERCIAL FERTILIZER: NEUTRAL CHARACTER FOR PLANT MATERIALS AND LAWNS.
 - MULCH: SHREDDED HARDWOOD MULCH.
- LANDSCAPE MATERIALS: THE LANDSCAPE MATERIALS MAY BE ANY OF THE FOLLOWING, AS SHOWN ON THESE CONTRACT DRAWINGS.
 - GRAVEL: WATER-WORN GRAVEL.
 - ANTI-EROSION MULCH: SEED-FREE SALT HAY OR THRESHED STRAW.
 - ANTI-DESICCANT: EMULSION TYPE, FILM-FORMING.
 - PLASTIC SHEET: BLACK POLYETHYLENE, 8 MILS.
 - FILTRATION FABRIC: WATER PERMEABLE FIBERGLASS OR POLYPROPYLENE FABRIC.
 - WRAPPING: TREE-WRAP TAPE.
 - STAKES AND GUYS: NEW HARDWOOD, TREATED SOFTWOOD, OR REDWOOD.
 - METAL EDGING: COMMERCIAL STEEL EDGING.
 - WOOD HEADERS AND EDGING: ALL HEART REDWOOD OR PRESSURE TREATED SOUTHERN YELLOW PINE.

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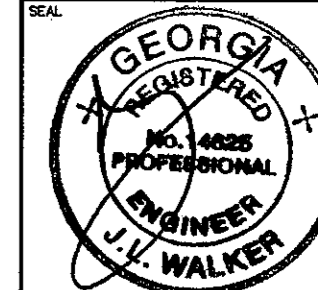
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LANDSCAPE DETAILS

DRAWING NUMBER:

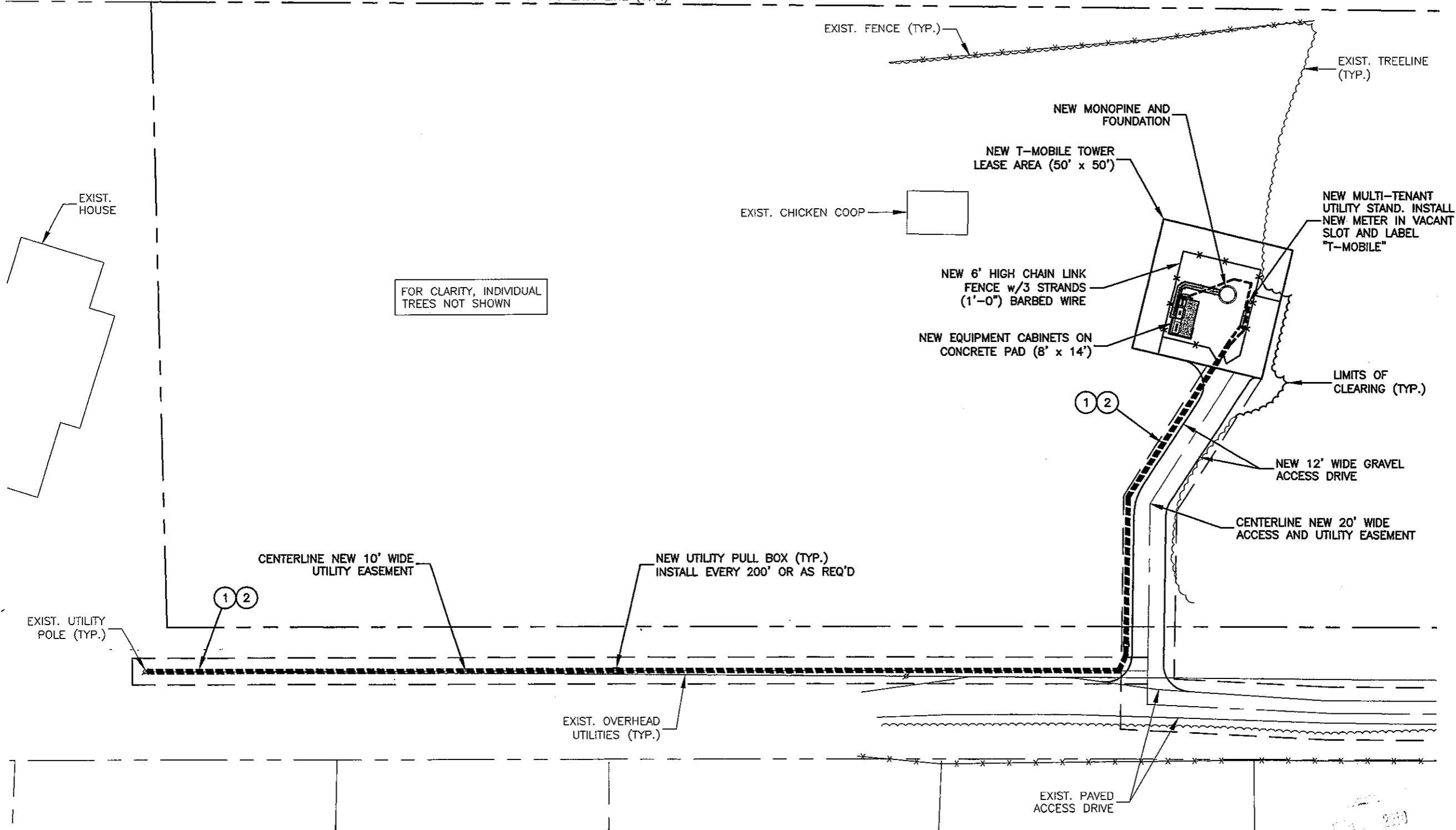
L2

KEY

DESCRIPTION

- ① (2) 4"Ø PVC CONDUITS w/CONDUCTORS (POWER) FROM MULTI-TENANT UTILITY STAND TO EXIST. UTILITY POLE. STUB-UP, CAP AND LABEL AS "POWER"
- ② (2) 4"Ø PVC CONDUITS w/PULLSTRINGS (TELCO) FROM MULTI-TENANT UTILITY STAND TO EXIST. UTILITY POLE. STUB-UP, CAP AND LABEL AS "TELCO"

APPROX. PROPERTY LINE (TYP.)



ALL SURFACES TO BE RESTORED TO ORIGINAL OR BETTER CONDITION FOLLOWING INSTALLATION OF EQUIPMENT, UTILITIES AND GROUNDING

1"=40' 40 0 40 80

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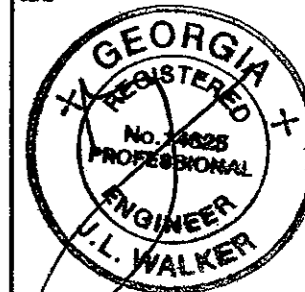
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DRAWING DESCRIPTION:

SITE UTILITY PLAN

DRAWING NUMBER:

E1

KEY

DESCRIPTION

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- ② (2) 4"Ø PVC CONDUITS w/PULLSTRINGS (TELCO) FROM MULTI-TENANT UTILITY STAND TO EXIST. UTILITY POLE. STUB-UP, CAP AND LABEL AS "TELCO"
- ③ (1) 2"Ø PVC CONDUIT w/PULLSTRINGS (TELCO) FROM TELCO BOX TO PPC
- ④ (1) 2"Ø PVC CONDUIT w/CONDUCTORS (POWER) FROM MULTI-TENANT UTILITY STAND TO PPC
(3) 3/0 + #4 GRD
- ⑤ (1) 2"Ø FLEX CONDUIT w/CONDUCTORS (POWER) FROM PPC TO RBS CABINET
(3) #8 THHN + #6 GRD
- ⑥ (1) 1"Ø FLEX CONDUIT w/PULLSTRINGS (TELCO) FROM PPC TO RBS CABINET FOR ALARMS
- ⑦ (1) 1"Ø FLEX CONDUIT w/PULLSTRINGS (TELCO) FROM PPC TO RBS CABINET FOR T1
- ⑧ (1) 1"Ø FLEX CONDUIT w/PULLSTRINGS (TELCO) FROM PPC TO RBS CABINET FOR TELCO
- ⑨ (1) 2"Ø FLEX CONDUIT w/CONDUCTORS (POWER) FROM PPC TO UMTS CABINET
(3) #8 THHN + #6 GRD
- ⑩ (1) 1"Ø FLEX CONDUIT w/PULLSTRINGS (TELCO) FROM PPC TO UMTS CABINET
- ⑪ (1) 3/4"Ø RIGID CONDUIT w/CONDUCTORS (POWER) FROM PPC TO AREA LIGHT
(2) #12 + #8 GRD

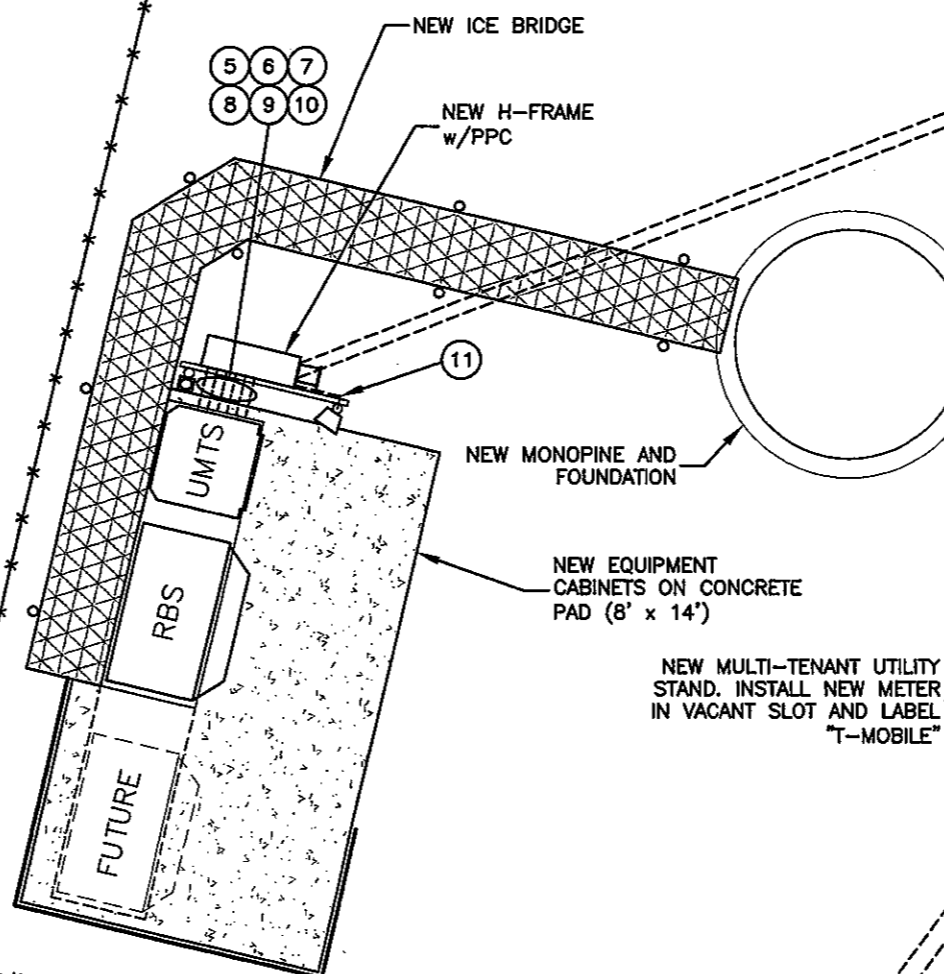
NEW T-MOBILE TOWER
LEASE AREA (50' x 50')

NEW 6' HIGH CHAIN LINK
FENCE w/3 STRANDS
(1'-0") BARBED WIRE

(2) NEW 6'
WIDE GATES

NEW GRAVEL PARKING AREA
AND TURN AROUND (TYP.)

ALL SURFACES TO BE RESTORED TO
ORIGINAL OR BETTER CONDITION
FOLLOWING INSTALLATION OF EQUIPMENT,
UTILITIES AND GROUNDING



1"=5' 5 0 5 10

TRUE NORTH

APPLICANT/OWNER

T-Mobile
South, LLC

FOUR CONCOURSE PARKWAY
SUITE 300
SANDY SPRINGS, GA 30328
PHONE: (770) 604-8980
FAX: (770) 350-3049

PREPARED BY:

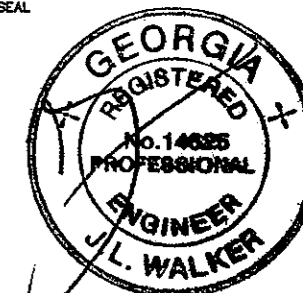
WALKER
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INCORPORATED

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REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/22/09	ISSUED FOR REVIEW	MJJ
B	01/08/10	RE-ISSUED FOR REVIEW	MJJ
O	01/26/10	ISSUED FOR CONSTRUCTION	MJJ
1	02/05/10	MOVED EQUIPMENT	MJJ

SEAL



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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

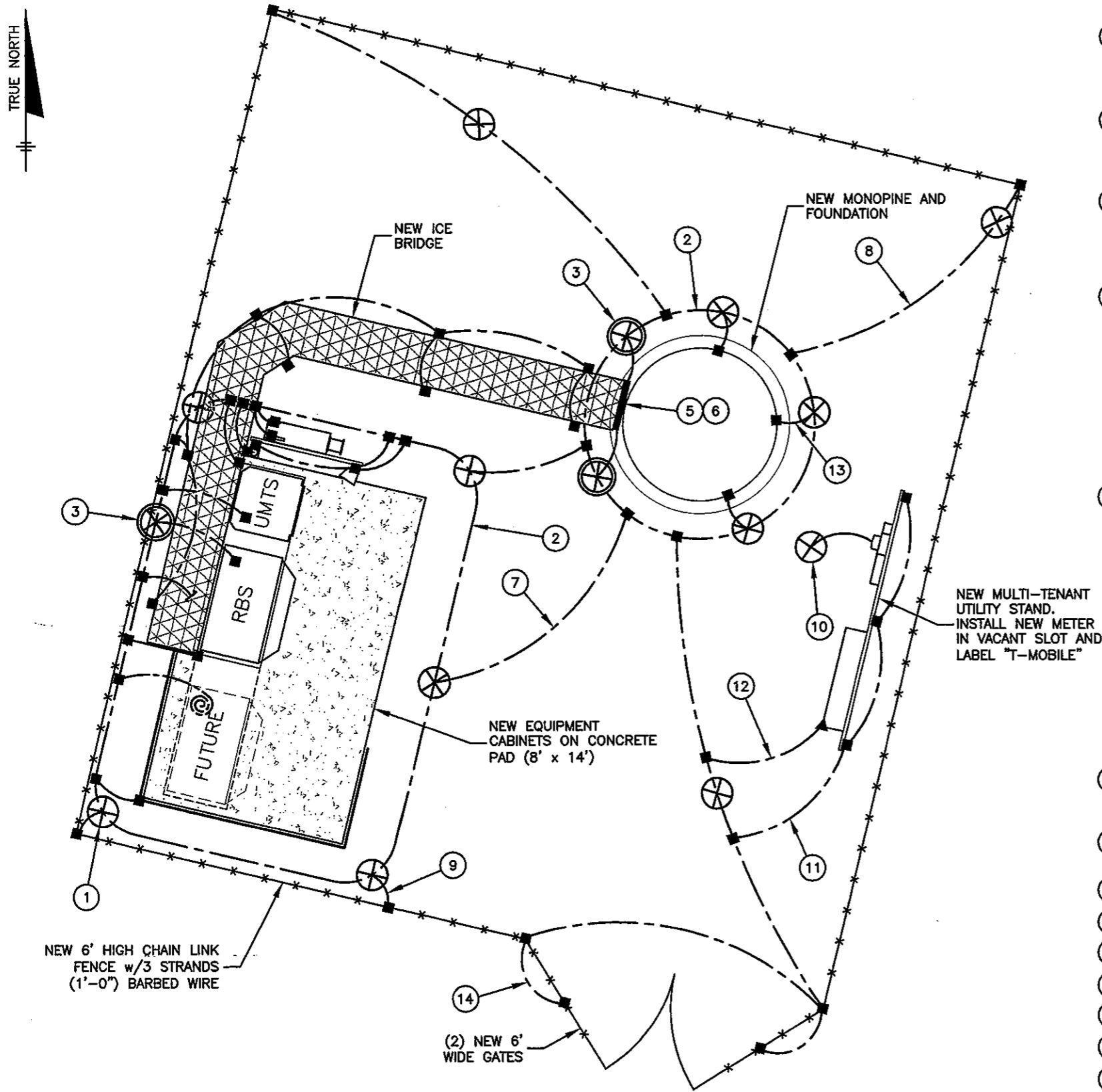
PARTIAL UTILITY PLAN

DRAWING NUMBER:

E1.1

RECEIVED

FEB 10 2010
City of Roswell
Community Development
Dept.



GROUNDING LEGEND:	
SYMBOL	DESCRIPTION
⊗	5/8" x 10' COPPER CLAD GROUND ROD
■	CADWELD CONNECTION
▲	BOLTED 2-HOLE GROUND LUG
---	COPPER GROUND CONDUCTOR
⊗	TEST WELL WITH GROUND ROD

GROUNDING NOTES:

- ① 5/8"Ø x 10'-0" LONG COPPER CLAD STEEL GROUND ROD. MAXIMUM SPACING IS 10'-0" O.C. TOP OF GROUND ROD SHALL BE 2'-6" (MIN.) BELOW BASE OF GRAVEL. ALL CONNECTIONS BELOW GRADE TO GROUND WIRES SHALL BE EXOTHERMIC (CADWELD OR EQUIVALENT).
- ② EXTERNAL GROUND RINGS SHALL BE #2 BARE TINNED SOLID COPPER WIRE BURIED 2'-6" (MIN.) BELOW BASE OF GRAVEL. ALL CONNECTIONS TO GROUND RING AT GROUND RODS SHALL BE EXOTHERMIC (CADWELD OR EQUIVALENT). GROUND RING SHALL BE LOCATED 2'-0" (MIN.) FROM OUTSIDE EDGE OF CABINET AND TOWER FOUNDATIONS.
- ③ TEST POINTS FOR GROUND RESISTANCE SHALL BE THE TOWER GROUND LEAD AND THE EQUIPMENT GROUND LEAD. USE THE THREE-TERMINAL TEST, FALL OF POTENTIAL METHOD AND RECORD ON GROUND LOG SHEET. GROUND TEST POINTS SHALL BE BELOW GROUND AND SHALL BE LOCATED IN A COVERED WELL (SIDES OF WELL SHALL BE CONSTRUCTED OF NON-METALLIC MATERIALS).
- ④ THE FOLLOWING PARTIAL LIST OF ITEMS SHALL BE CONNECTED TO THE EXTERNAL GROUNDING SYSTEM (IF APPLICABLE):
 - A. ANY METAL PLATFORM WITHIN SIX FEET OF THE EXTERNAL GROUND RING OR WITHIN SIX FEET OF ANY GROUNDED OBJECT.
 - B. EXISTING GROUNDING SYSTEM.
 - C. METAL CABINET PARTS NOT GROUNDED BY THE INTERNAL GROUND RING.
 - D. PROPANE TANK (USE GROUNDING CLAMP, NOT EXOTHERMIC WELD).
 - E. ANY SIGNIFICANT METAL OBJECT WITHIN SIX FEET OF THE EXTERNAL GROUNDING SYSTEM OR ANY OTHER GROUNDED OBJECT.
 - F. EXTERIOR ICE BRIDGE SHIELDS.
 - G. GENERATOR AND SUPPORT SKID OR BASE AND SWITCH.
 - H. ALL FENCE POSTS WITHIN SIX FEET OF THE EQUIPMENT.
- ⑤ THE OUTER CONDUCTOR OF THE COAX CABLES AND WAVEGUIDE SHALL BE GROUNDED TO THE TOWER GROUND BAR:
 - A. VERTICAL RUNS THAT ARE 200 FEET OR LESS REQUIRE A GROUNDING KIT INSTALLED AT THE TOP AND BOTTOM.
 - B. VERTICAL RUNS THAT ARE GREATER THAN 200 FEET REQUIRE A GROUNDING KIT INSTALLED (IN ADDITION TO THE ABOVE) FROM THE TOP EVERY 150 FEET TOWARDS THE GROUND UNTIL THE DISTANCE IS LESS THAN 150 FEET FROM THE GROUND.
 - C. COAX CABLE GROUNDING KITS INSTALLED BEFORE ENTERING THE EQUIPMENT SHALL BE GROUNDED TO THE EXTERNAL BUSS BAR. THIS CONNECTION SHALL LEND ITSELF TO A VERTICAL DROP.
 - D. TOWER PAINT MUST BE REMOVED BEFORE ATTACHMENT OF GROUND BAR AND COATED AFTER ATTACHMENT WITH AN ANTIOXIDANT COMPOUND (NO-OX FOR ALL FIELD-DRILLED HOLES, FIELD CUT ENDS AND FIELD WELDS EQUAL). APPLY (2) TWO COATS OF ZRC. GALVILITE GALVANIZING REPAIR COMPOUND OR APPROVED EQUIVALENT. TOUCH-UP AND REPAIR OF GALVANIZED SURFACES SHALL BE PERFORMED PER THE REQUIREMENTS OF ASTM A-780.
- ⑥ TOWER-MOUNTED GROUND BARS (BOTH TOP AND BOTTOM) SHALL BE MOUNTED DIAGONALLY TO THE TOWER STRUCTURE FOR THE COAX CABLE GROUNDING KITS. ISOLATE BOTTOM GROUND BAR FROM THE STRUCTURE.
- ⑦ CONNECT EQUIPMENT GROUND RING TO TOWER GROUND RING. CADWELD IN (2) TWO PLACES.
- ⑧ CONNECT TOWER GROUND RING TO NEW FENCE.
- ⑨ CONNECT EQUIPMENT GROUND RING TO NEW FENCE (TYP. x 2).
- ⑩ BOND NEW METER AND DISCONNECT TO SERVICE ENTRANCE GROUND ROD.
- ⑪ BOND NEW H-FRAME TO EQUIPMENT OR TOWER GROUND RING.
- ⑫ BOND NEW TELCO BOX TO GROUND RING.
- ⑬ BOND TOWER TO TOWER GROUND RING AT GROUND ROD (3 PLACES).
- ⑭ #4 GATE JUMPER (TYP. x 2).

APPLICANT/OWNER

T-Mobile South, LLC

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FAX: (770) 350-3049

PREPARED BY:

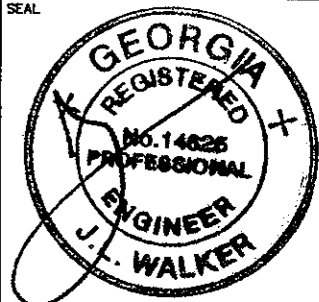
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SANDY SPRINGS, GA 30350
PHONE: 770-641-7306
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REVISIONS

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SEAL



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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

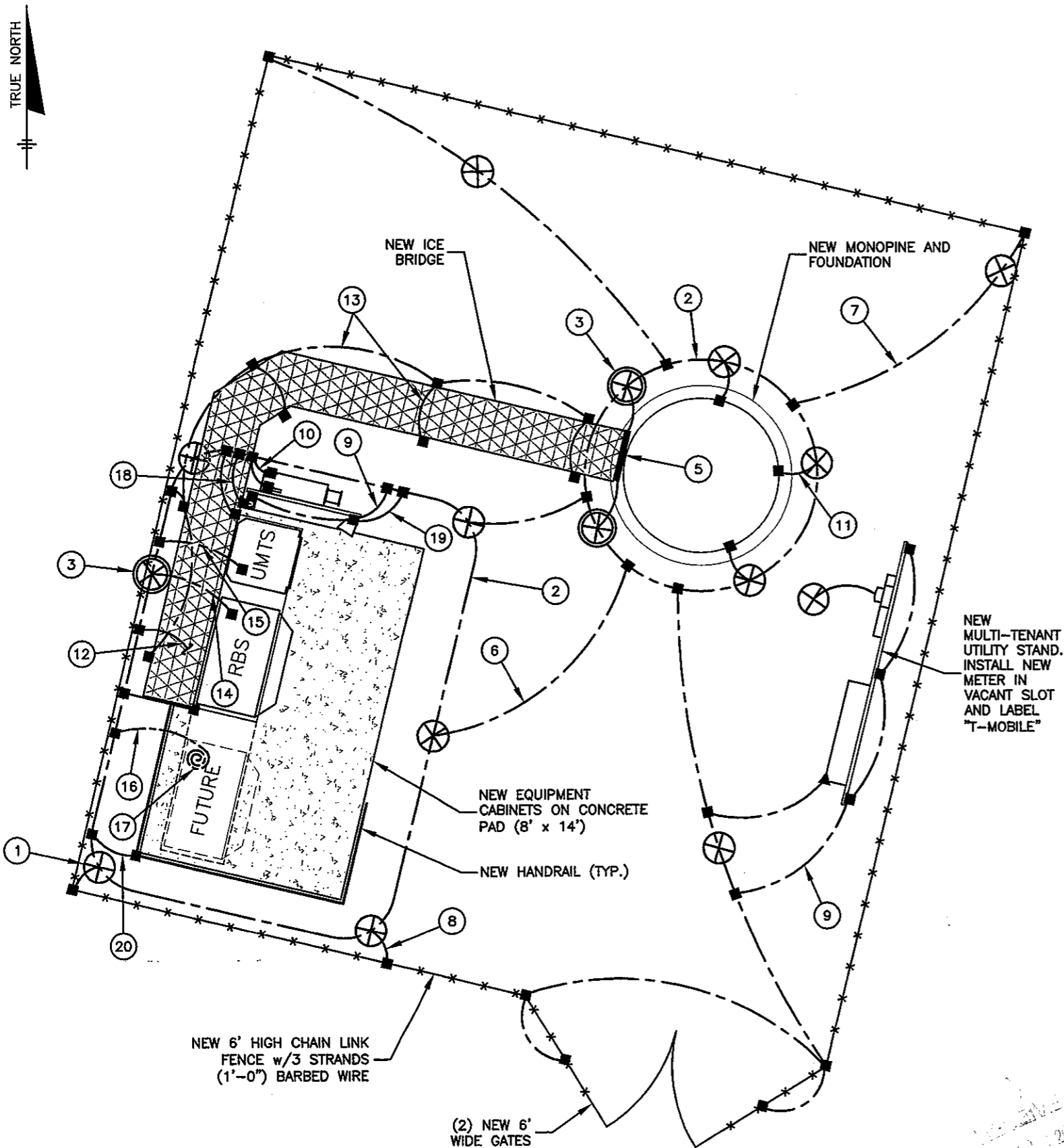
SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

SITE GROUNDING PLAN

DRAWING NUMBER:

E2



1"=5' 5 0 5 10

GROUNDING NOTES:

- ① 5/8"Ø x 10'-0" LONG COPPER CLAD STEEL GROUND ROD. MAXIMUM SPACING IS 10'-0" O.C. TOP OF GROUND ROD SHALL BE 2'-6" (MIN.) BELOW BASE OF GRAVEL. ALL CONNECTIONS BELOW GRADE TO GROUND WIRES SHALL BE EXOTHERMIC (CADWELD OR EQUIVALENT).
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- ③ TEST POINTS FOR GROUND RESISTANCE SHALL BE THE TOWER GROUND LEAD AND THE EQUIPMENT GROUND LEAD. USE THE THREE-TERMINAL TEST, FALL OF POTENTIAL METHOD AND RECORD ON GROUND LOG SHEET. GROUND TEST POINTS SHALL BE BELOW GROUND AND SHALL BE LOCATED IN A COVERED WELL (SIDES OF WELL SHALL BE CONSTRUCTED OF NON-METALLIC MATERIALS).
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 - B. EXISTING GROUNDING SYSTEM.
 - C. METAL CABINET PARTS NOT GROUNDED BY THE INTERNAL GROUND RING.
 - D. PROPANE TANK (USE GROUNDING CLAMP, NOT EXOTHERMIC WELD).
 - E. ANY SIGNIFICANT METAL OBJECT WITHIN SIX FEET OF THE EXTERNAL GROUNDING SYSTEM OR ANY OTHER GROUNDED OBJECT.
 - F. EXTERIOR ICE BRIDGE SHIELDS.
 - G. GENERATOR AND SUPPORT SKID OR BASE AND SWITCH.
 - H. ALL FENCE POSTS WITHIN SIX FEET OF THE EQUIPMENT.
- ⑤ TOWER-MOUNTED GROUND BARS (BOTH TOP AND BOTTOM) SHALL BE MOUNTED DIAGONALLY TO THE TOWER STRUCTURE FOR THE COAX CABLE GROUNDING KITS. ISOLATE BOTTOM GROUND BAR FROM THE STRUCTURE.
- ⑥ CONNECT EQUIPMENT GROUND RING TO TOWER GROUND RING. CADWELD IN (2) TWO PLACES.
- ⑦ CONNECT TOWER GROUND RING TO NEW FENCE (TYP. x 3).
- ⑧ CONNECT EQUIPMENT GROUND RING TO NEW FENCE (TYP. x 2).
- ⑨ BOND NEW H-FRAME TO EQUIPMENT GROUND RING.
- ⑩ BOND PPC CABINET GROUND BAR AND PPC LOAD CENTER TO EQUIPMENT GROUND RING.
- ⑪ BOND TOWER TO TOWER GROUND RING AT GROUND ROD (3 PLACES).
- ⑫ #2 AWG BARE TINNED SOLID COPPER WIRE FROM COAX TO GROUND RING.
- ⑬ #2 AWG BARE TINNED SOLID COPPER WIRE TO ICE BRIDGE POSTS.
- ⑭ #2 AWG BARE TINNED SOLID COPPER WIRE FROM RBS CABINET TO EQUIPMENT GROUND RING.
- ⑮ #2 AWG BARE TINNED SOLID COPPER WIRE FROM UMTS CABINET TO EQUIPMENT GROUND RING.
- ⑯ BOND PLINTH TO EQUIPMENT GROUND RING (2 PLACES).
- ⑰ PROVIDE 4' PIGTAIL FOR FUTURE RBS CABINET.
- ⑱ #2 GREEN INSULATED GROUND WIRE FROM DOWNLINK ANTENNA TO GROUND RING.
- ⑲ #2 AWG BARE TINNED SOLID COPPER WIRE TO AREA LIGHT.
- ⑳ BOND HANDRAIL TO GROUND RING.

ALL SURFACES TO BE RESTORED TO ORIGINAL OR BETTER CONDITION FOLLOWING INSTALLATION OF EQUIPMENT, UTILITIES AND GROUNDING

GROUNDING LEGEND:	
SYMBOL	DESCRIPTION
⊗	5/8" x 10' COPPER CLAD GROUND ROD
■	CADWELD CONNECTION
▲	BOLTED 2-HOLE GROUND LUG
---	COPPER GROUND CONDUCTOR
⊗	TEST WELL WITH GROUND ROD

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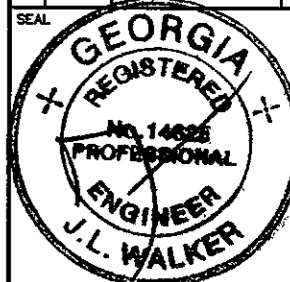
PREPARED BY:

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PHONE: 770-641-7306
FAX: 770-587-2196

REVISIONS

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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T










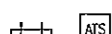





SITE NO.: 9AT1292D

DRAWING DESCRIPTION:
PARTIAL GROUNDING PLAN

DRAWING NUMBER:

E2.1

ELECTRICAL SYMBOLS

	CHEMICAL GROUND ROD
	GROUND ROD
	CADWELD TYPE CONNECTION
	COMPRESSION TYPE CONNECTION
	DISCONNECT SWITCH
	METER
	CIRCUIT BREAKER
	GENERATOR
	GENERATOR RECEPTACLE
	AUTOMATIC TRANSFER SWITCH
	MANUAL TRANSFER SWITCH
	GROUNDING WIRE
	INDICATES CODED NUMBER
	REPRESENTS DETAIL NUMBER
	REF. DRAWING NUMBER

SYMBOLS & ABBREVIATIONS

ABBREVIATIONS

AWG	AMERICAN WIRE GAUGE
BCW	BARE COPPER WIRE
BTS	BASE TRANSMISSION SYSTEM
CIGBE	COAX ISOLATED GROUND BAR EXTERNAL
DIA	DIAMETER
DWG	DRAWING
EMT	ELECTRICAL METALLIC TUBING
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
I	WALKING BEAM INTERLOCK
IGR	INTERIOR GROUND RING (HALO)
MIGB	MASTER ISOLATED GROUND BAR
PCS	PERSONAL COMMUNICATION SYSTEM
PPC	POWER PROTECTION CABINET
RGS	RIGID GALVANIZED STEEL
RWY	RACEWAY
SS	STAINLESS STEEL
TYP	TYPICAL
AHJ	AUTHORITY HAVING JURISDICTION

UTILITY NOTES:

1. THE CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT MEETS OR EXCEEDS AVAILABLE FAULT CURRENT.
2. GENERATOR AND INTEGRAL AUTOMATIC TRANSFER SWITCH PROVIDED BY OTHERS, INSTALLED AND CONNECTED BY CONTRACTOR (IF APPLICABLE). COORDINATE EXACT LOCATION OF CONDUIT STUB-UPS WITH CONSTRUCTION MANAGER.
3. REFER TO DWG. E5 FOR ALL CONDUCTOR SIZES.
4. COORDINATE EXACT LOCATION OF ALL UTILITY CONDUIT STUB-UPS WITH UTILITY COMPANIES AND CONSTRUCTION MANAGER.
5. THE CONTRACTOR SHALL ROUTE CONDUIT TO EXISTING UTILITY SERVICE (IF APPLICABLE). STUB-UP 6" ABOVE FINISHED GRADE, CAP AND LABEL AT DEMARC. COORDINATE CONDUIT ROUTING WITH UTILITY COMPANY.
6. THE CONTRACTOR SHALL VERIFY THE EQUIPMENT WIRING REQUIREMENTS WITH THE MANUFACTURER.
7. PROVIDE AND INSTALL WARNING TAPE 12" BELOW GRADE FOR UTILITY SERVICE CONDUITS.
8. THE CONTRACTOR IS TO PAY ALL FEES FOR SERVICES AS REQUIRED.
9. ENCASE CONDUITS IN CONCRETE WHERE CROSSING ROADS, DRIVEWAYS, ETC.
10. COORDINATE WITH THE UTILITY COMPANIES PRIOR TO DITCHING AND INSTALLATION OF UNDERGROUND CONDUITS FOR EXACT LOCATION AND INSTALLATION REQUIREMENTS.
11. THE INCOMING ELECTRICAL SERVICE SHALL BE INSPECTED BY THE AUTHORITY HAVING JURISDICTION AND A CERTIFICATE OF SUCH INSPECTION SHALL BE FURNISHED TO T-MOBILE SOUTH, LLC WITH A COPY FORWARDED TO THAT POWER COMPANY.
12. COORDINATE METER SOCKET REQUIREMENTS WITH CONSTRUCTION MANAGER AND POWER COMPANY.
13. THIS SITE INCLUDES EXISTING CRITICAL UNDERGROUND ELECTRIC, TELEPHONE AND OTHER SERVICES IN THE VICINITY OF THE NEW UNDERGROUND SERVICES AND EQUIPMENT SUPPORTS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID SERVICE DISRUPTION TO THESE FACILITIES. THE CONTRACTOR SHALL ALSO CONTACT THE UTILITY COMPANIES AND ALL OTHER APPROPRIATE AGENCIES PRIOR TO EXCAVATION AT THIS SITE. ALL EXCAVATION IN THE IMMEDIATE VICINITY OF EXISTING UTILITIES SHALL BE PERFORMED BY HAND.
14. ALL WIRING SHALL BE COPPER. ALUMINUM WIRE IS NOT PERMITTED.
15. ALL ELECTRICAL WORK SHALL CONFORM TO STATE AND LOCAL APPLICABLE CODES AND THE NEC, LATEST EDITION.

GENERAL GROUNDING NOTES:

1. SITE GROUNDING SHALL COMPLY WITH NEC ARTICLE 250 REQUIREMENTS, T-MOBILE SOUTH, LLC GROUNDING STANDARDS, LATEST EDITION AND T-MOBILE SOUTH, LLC GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT, THEY SHALL GOVERN.
2. ALL GROUND WIRE SHALL BE #2 AWG BARE TINNED SOLID COPPER, UNLESS INDICATED OTHERWISE.
3. GROUND RODS SHALL BE 5/8" x 10' LONG COPPER CLAD STEEL.

AT&T GROUNDING NOTES:

1. CELL PROVIDER SHALL VALIDATE SITE GROUNDING OF 5 OHMS OR LESS.
2. ONCE VALIDATED, THE CELL PROVIDER SHALL HAVE A LABEL PLACED AT THE GROUND BUSS BAR ON THE H-FRAME, WHICH STATES THE SITE IS CERTIFIED AND READY FOR TELCO SERVICE TO BE INSTALLED. PROVIDE A CONTACT NAME AND PHONE NUMBER SHOULD ANY TECHNICAL QUESTIONS ARISE.
3. AT&T's CABLE, NETWORK INTERFACE UNIT AND PRIMARY PROTECTOR SHALL BE GROUNDED TO THE BUILDING OR STRUCTURE GROUNDING ELECTRODE SYSTEM.
4. PERMANENT COMMERCIAL POWER, WHEN PROVIDED, WILL BE GROUNDED TO THE BUILDING OR STRUCTURE GROUNDING ELECTRODE SYSTEM PER NEC ARTICLE 250.
5. ONCE COMMERCIAL POWER IS BROUGHT TO SITE, THE MGN CONNECTION WILL BE MADE TO METER BOX THAT HAS ALREADY BEEN CONNECTED TO SITE GROUND ELECTRODES.
6. AC PROVIDER, HDLS MOUNTS, CABLE TERMINATIONS AND CELL EQUIPMENT WILL ALL BE CONNECTED TO THE SAME GROUND SYSTEM.

APPLICANT/OWNER

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PREPARED BY:

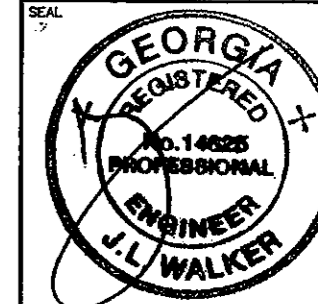
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REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/22/09	ISSUED FOR REVIEW	MJJ
B	01/08/10	RE-ISSUED FOR REVIEW	MJJ
O	01/28/10	ISSUED FOR CONSTRUCTION	MJJ

SEAL



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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY: MJJ

CHECKED BY: MJJ

DATE: 12/22/09

JOB NO.: 0912-0642T

SITE NO.: 9AT1292D

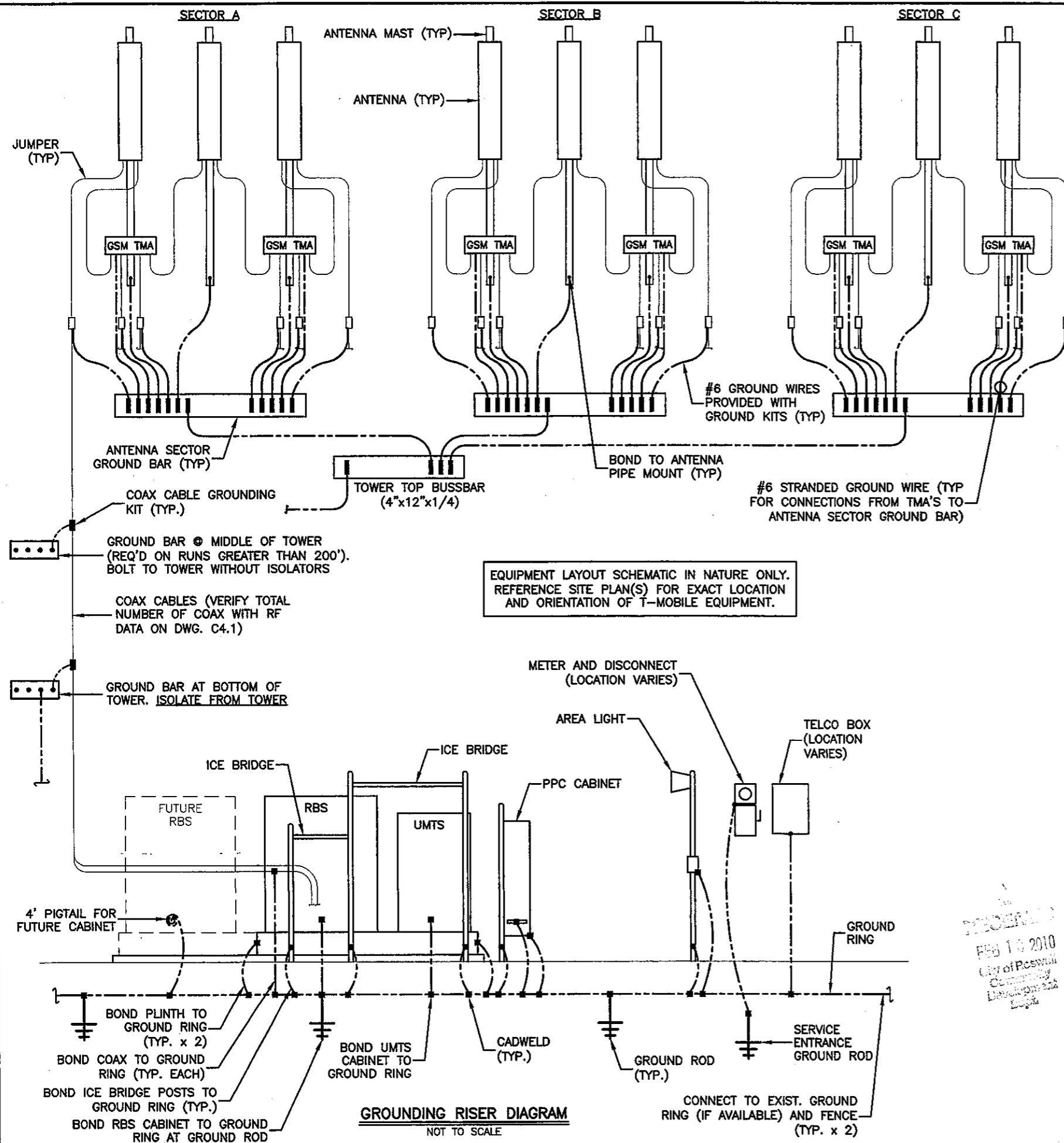
DRAWING DESCRIPTION:

ELECTRICAL
NOTES &
LEGEND

DRAWING NUMBER:

E3

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FEB 10 2010
City of Roswell
Community
Development
Dept.



GENERAL GROUNDING NOTES:

- SITE GROUNDING SHALL COMPLY WITH T-MOBILE GROUNDING STANDARDS, LATEST EDITION AND T-MOBILE GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND/OR LOCAL GROUNDING CODES ARE MORE STRINGENT, THEY SHALL GOVERN. GROUNDING SHALL BE COMPLETED BEFORE ERECTION OF THE TOWER.
- GROUND RODS:**
 - 5/8" x 10'-0" LONG COPPER CLAD STEEL
 - MAXIMUM SPACING: 10' O.C.
 - TOP SHALL BE 2'-6" (MIN.) BELOW BASE OF GRAVEL
- GROUND CONNECTIONS:**
 - #2 AWG BARE TINNED SOLID COPPER UNLESS INDICATED OTHERWISE.
 - IF DIRECTION OF CONDUCTOR CHANGES, CHANGE SHALL BE GRADUAL.
 - IF CONDUCTOR PASSES THROUGH CONCRETE PAD, ENCASE IN SEAL-TIGHT SLEEVE
 - GROUND RINGS SHALL BE BURIED 2'-6" (MIN.) BELOW BASE OF GRAVEL AND BE LOCATED 2'-0" (MIN.) FROM OUTSIDE EDGE OF CABINET AND TOWER FOUNDATIONS AND OTHER SITE OBJECTS.
- GROUND CONNECTIONS:**
 - ALL CONNECTIONS SHALL BE EXOTHERMIC (CADWELD OR EQUIVALENT) UNLESS INDICATED OTHERWISE.
 - ALL MATERIALS USED SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
 - ALL CONNECTIONS TO GROUND RING SHALL BE CADWELDED, UNLESS INDICATED OTHERWISE.
- THE FOLLOWING PARTIAL LIST OF ITEMS SHALL BE CONNECTED TO THE EXTERNAL GROUNDING SYSTEM (IF APPLICABLE):
 - ANY METAL PLATFORM WITHIN SIX FEET OF THE EXTERNAL GROUND RING OR WITHIN SIX FEET OF ANY GROUNDED OBJECT.
 - EXISTING GROUNDING SYSTEM.
 - METAL CABINET PARTS NOT GROUNDED BY THE INTERNAL GROUND RING.
 - PROPANE TANK
 - ANY SIGNIFICANT METAL OBJECT WITHIN SIX FEET OF THE EXTERNAL GROUNDING SYSTEM OR ANY OTHER GROUNDED OBJECT.
 - EXTERIOR ICE BRIDGE SHIELDS.
 - GENERATOR AND SUPPORT SKID OR BASE AND SWITCH.
 - ALL FENCE POSTS WITHIN SIX FEET OF THE EQUIPMENT.
- THE OUTER CONDUCTOR OF THE COAX CABLES AND WAVEGUIDE SHALL BE GROUNDED TO THE TOWER GROUND BAR:
 - VERTICAL RUNS THAT ARE 200 FEET OR LESS REQUIRE A GROUNDING KIT INSTALLED AT THE TOP AND BOTTOM.
 - VERTICAL RUNS THAT ARE GREATER THAN 200 FEET REQUIRE A GROUNDING KIT INSTALLED (IN ADDITION TO THE ABOVE) FROM THE TOP EVERY 150 FEET TOWARDS THE GROUND UNTIL THE DISTANCE IS LESS THAN 150 FEET FROM THE GROUND.
 - SURGE ARRESTOR IS PROVIDED BY T-MOBILE AND INSTALLED BY CONTRACTOR.
 - CONTRACTOR SHALL MAKE ALL CONNECTIONS REQUIRED FOR INSTALLATION.
 - ALL GROUNDING KITS PROVIDED BY T-MOBILE AND INSTALLED BY CONTRACTOR.
- INSTALLATION AND TESTING:**
 - CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IMMEDIATELY IF THERE ARE DIFFICULTIES INSTALLING THE GROUNDING SYSTEM DUE TO FIELD CONDITIONS.
 - CONTRACTOR SHALL NOT COVER UP GROUND RING AND CONNECTIONS UNTIL AN INSPECTION HAS BEEN PERFORMED. COORDINATE INSPECTION WITH CONSTRUCTION MANAGER.
 - PROVIDE TESTING OF GROUNDING SYSTEM AS DIRECTED BY CONSTRUCTION MANAGER.
- THE MAXIMUM ALLOWABLE RESISTANCE READING SHALL BE 5 OHMS TO GROUND. IF THE RESISTANCE OF THE ENTIRE GROUNDING SYSTEM AS MEASURED AT THE MAIN GROUND TEST WELL EXCEEDS 5 OHMS, THE ELECTRICAL CONTRACTOR AND OWNER'S REPRESENTATIVE SHALL BE NOTIFIED SO THAT ADDITIONAL GROUND LOCATIONS CAN BE UTILIZED.
- ALL ABOVE-GROUND CONNECTIONS SHALL BE ENCASED IN 3/4" FLEXIBLE CONDUIT (SEAL-TIGHT OR SIMILAR).
- ALL GROUND RUNS ON TOWER SHALL BE ROUTED ON INSIDE FACE OF WAVEGUIDE LADDER.
- BACKFILL TRENCHES FOR GROUND RING WITH SITE SOIL OR #57 STONE. CONTRACTOR SHALL OBTAIN APPROVAL FOR BACKFILL MATERIALS TO BE USED FROM CONSTRUCTION MANAGER.
- CONTRACTOR SHALL PROVIDE STAINLESS STEEL FLAT AND LOCK WASHERS AS REQUIRED FOR COMPLETE INSTALLATION OF GROUND LEADS AT GROUND BARS.

APPLICANT/OWNER

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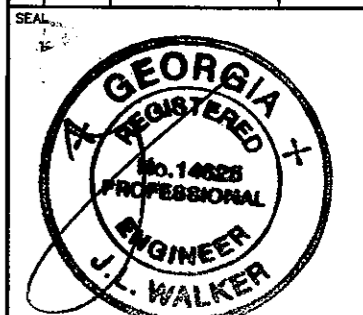
PREPARED BY:

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INCORPORATED

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REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/22/09	ISSUED FOR REVIEW	MJJ
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PROJECT LOCATION

MOUNTAIN PARK
9AT1292D
LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

DRAWN BY:

MJJ

CHECKED BY:

MJJ

DATE:

12/22/09

JOB NO.:

0912-0642T

SITE NO.:

9AT1292D

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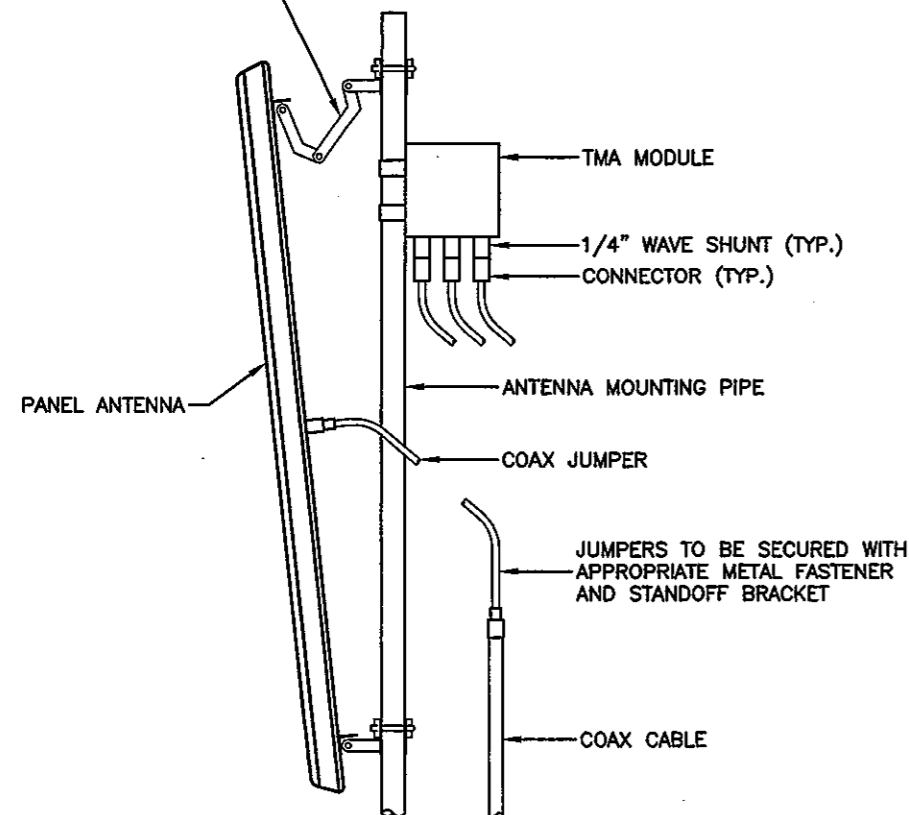
GROUNDING DIAGRAM

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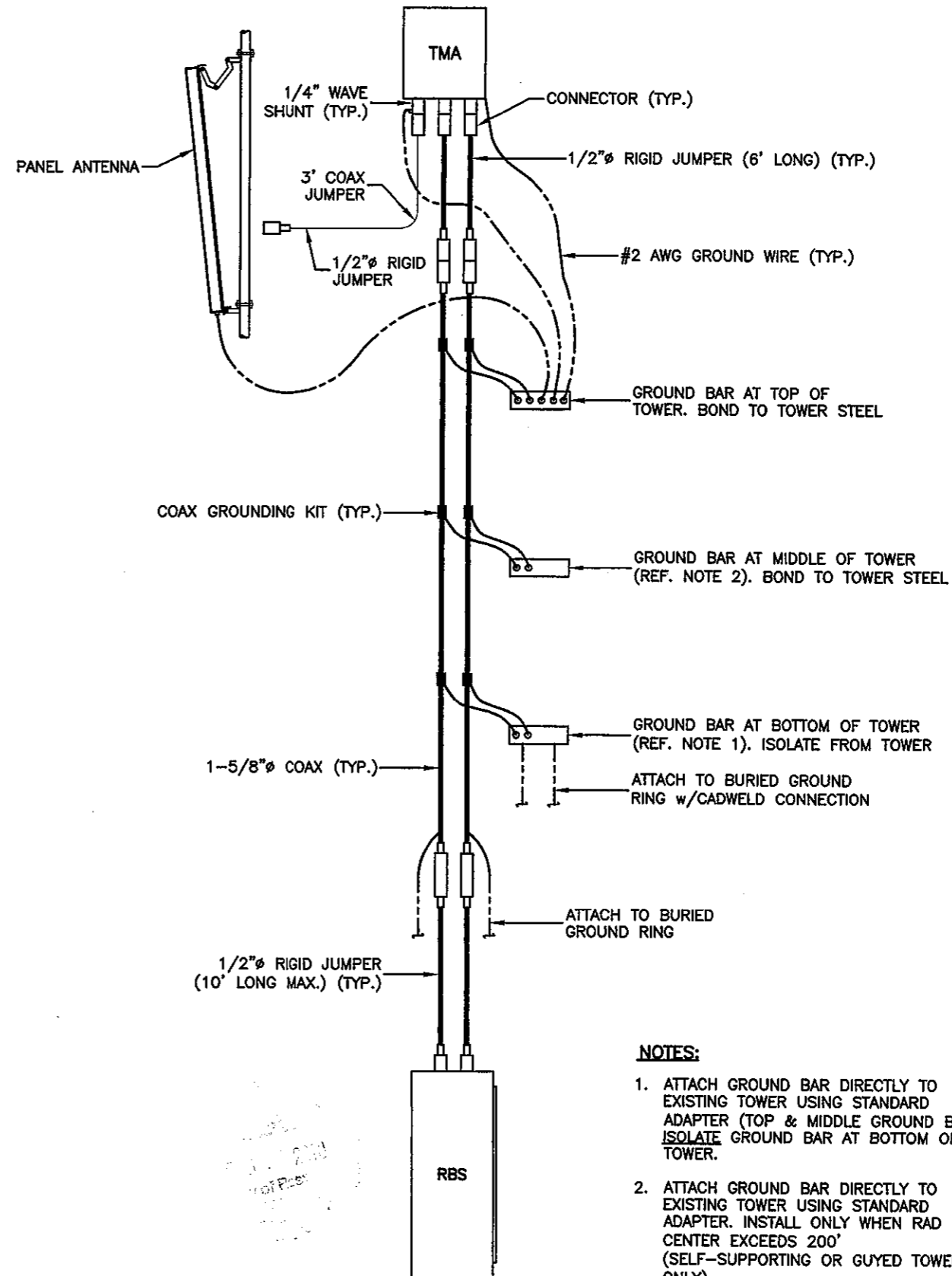
E3.1

ANTENNA DETAIL SCHEMATIC IN NATURE ONLY.
REFERENCE DWG. C4.1 FOR EXACT NUMBER
OF ANTENNAS, TMA's AND COAX.

DOWNTILT ASSEMBLY (REQ'D
FOR ALL PANEL ANTENNAS)



BACK FEED ANTENNA MOUNT DETAIL (TYP.)
NOT TO SCALE



NOTES:

1. ATTACH GROUND BAR DIRECTLY TO EXISTING TOWER USING STANDARD ADAPTER (TOP & MIDDLE GROUND BARS). ISOLATE GROUND BAR AT BOTTOM OF TOWER.
2. ATTACH GROUND BAR DIRECTLY TO EXISTING TOWER USING STANDARD ADAPTER. INSTALL ONLY WHEN RAD CENTER EXCEEDS 200' (SELF-SUPPORTING OR GUYED TOWERS ONLY).

ANTENNA CABLE GROUNDING SCHEMATIC
NOT TO SCALE

APPLICANT/OWNER

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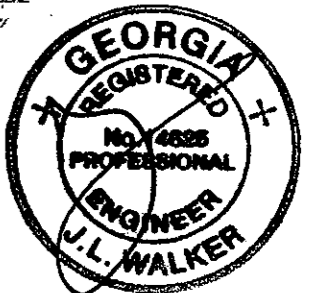
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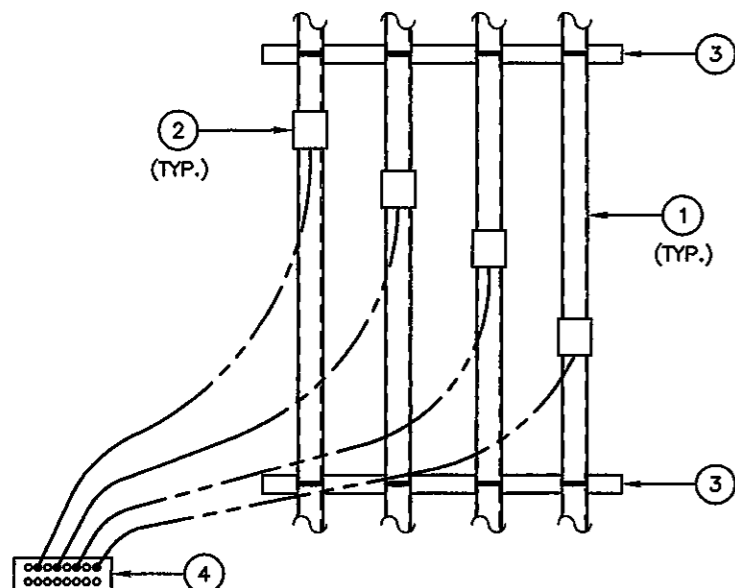
SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

ANTENNA
GROUNDING
SCHEMATIC

DRAWING NUMBER:

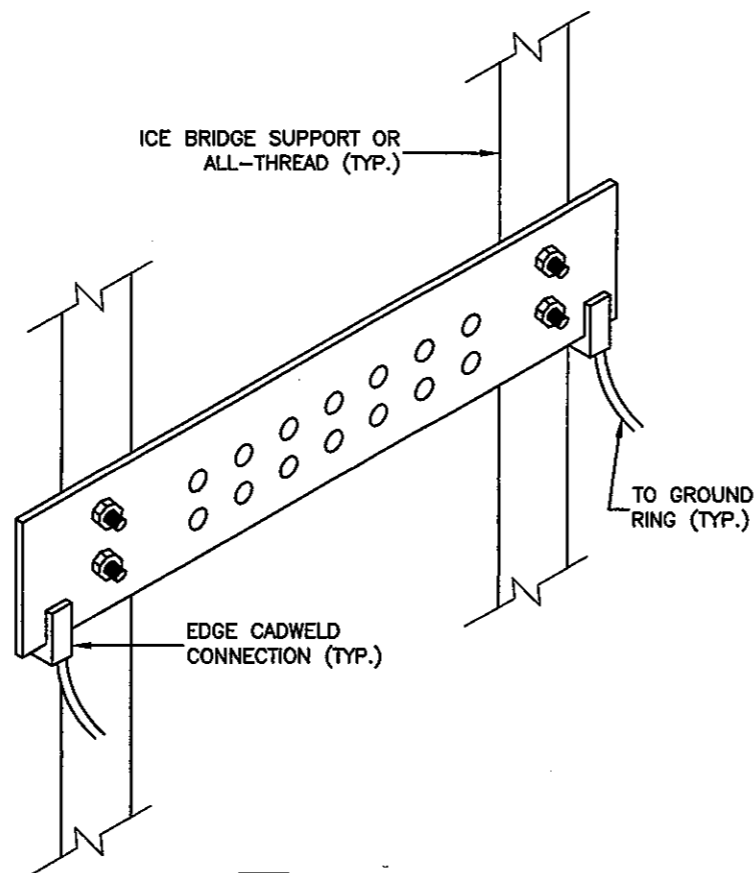
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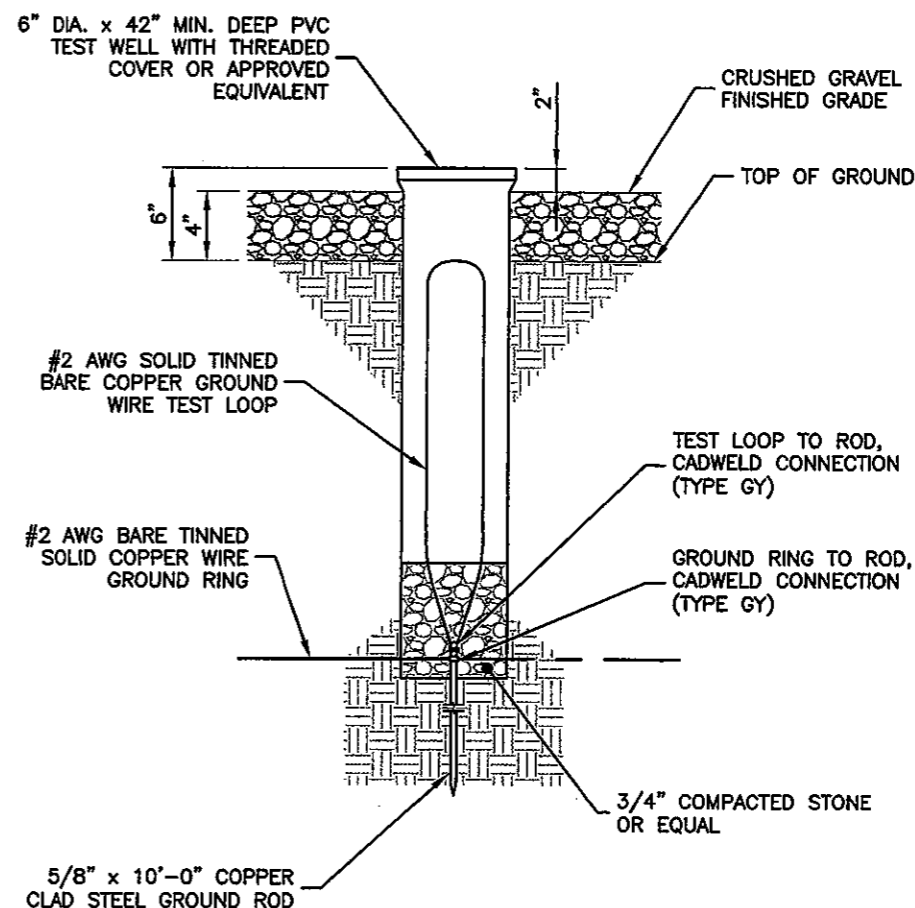
1 COAX CABLE GROUNDING DETAIL
NOT TO SCALE

KEY NOTES:

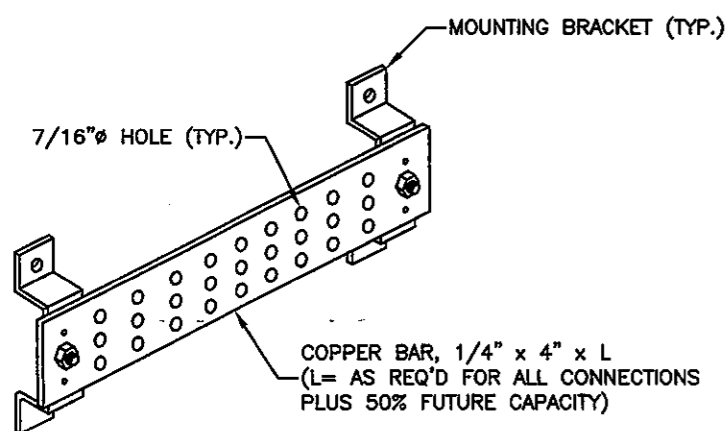
- ① COAX CABLE
- ② COAX CABLE GROUNDING KIT
- ③ COAX CABLE SUPPORT ASSEMBLY
- ④ GROUND BAR



2 ARRESTOR BAR
NOT TO SCALE

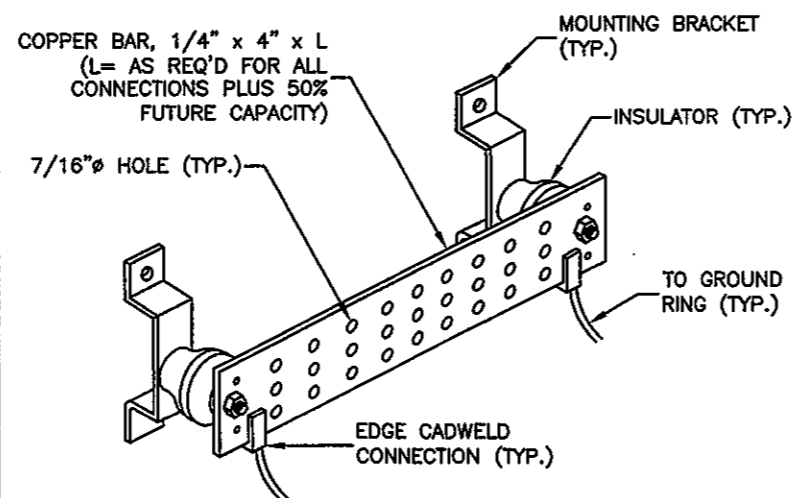


3 TEST WELL DETAIL
NOT TO SCALE



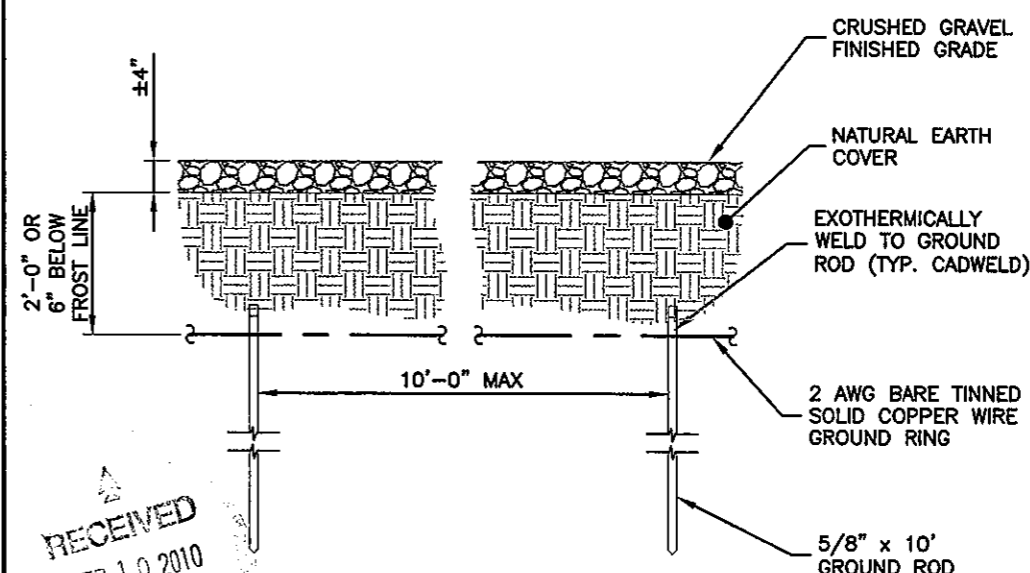
4 GROUND BAR WITHOUT INSULATORS
NOT TO SCALE

NOTE:
FOR USE AT TOP AND MIDDLE
(IF REQ'D) OF TOWER



5 GROUND BAR WITH INSULATORS
NOT TO SCALE

NOTE:
FOR USE AT BOTTOM
OF TOWER



6 GROUND RING DETAIL
NOT TO SCALE

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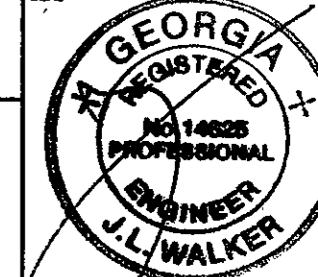
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9AT1292D
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ROSWELL, GA 30075
FULTON COUNTY

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DATE:

12/22/09

JOB NO.:

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SITE NO.:

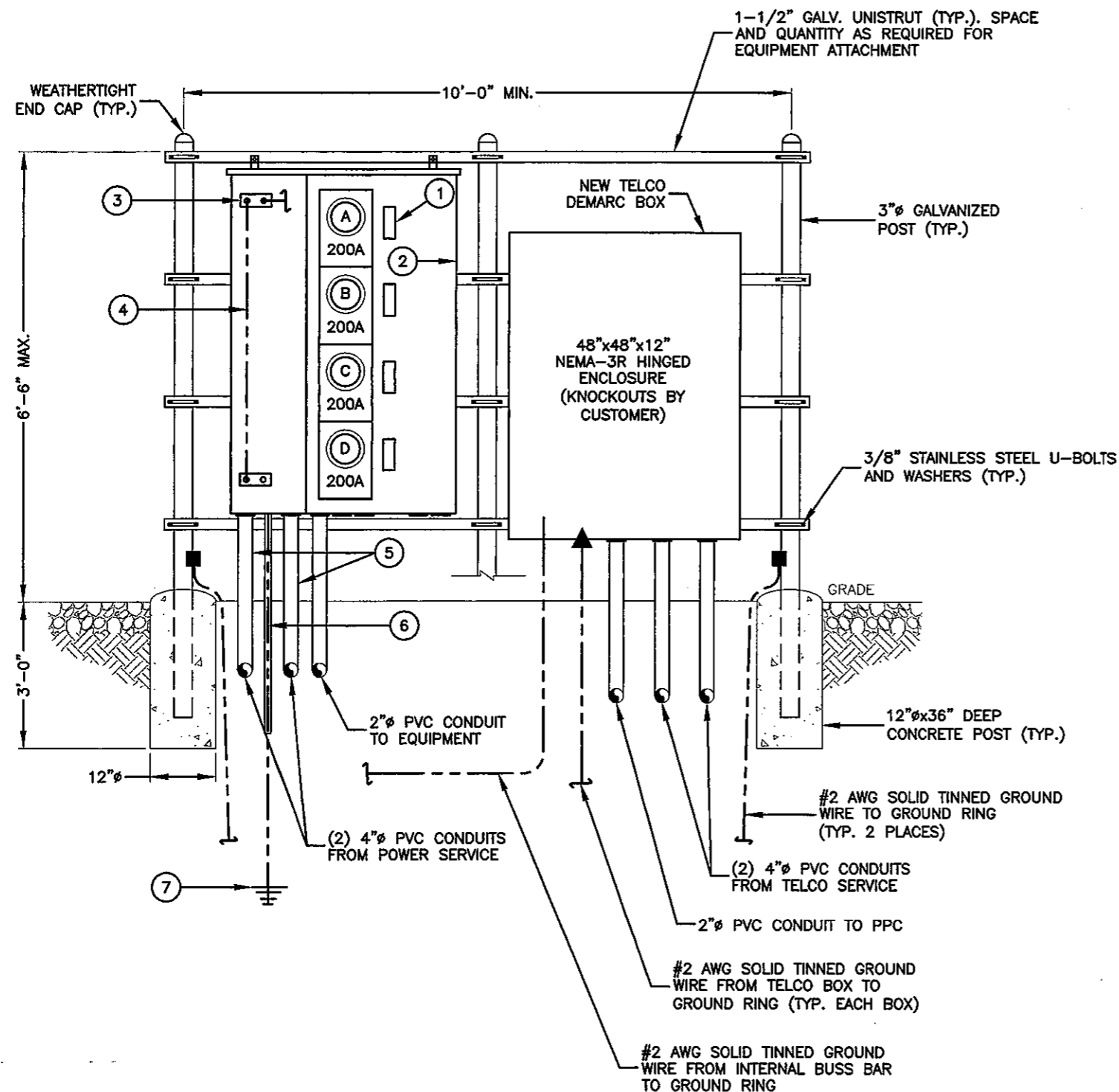
9AT1292D

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GROUNDING DETAILS

DRAWING NUMBER:

E4



NOTES:

- CONTRACTOR SHALL PROVIDE AND INSTALL MODULAR METERING MAIN SERVICE CENTER, 120/240, 1Ø, 600 AMP, NEMA 3R WITH (4) METER SOCKETS (SQUARE D OR EQUAL). UNUSED METERS AND BREAKERS SHALL BE COVERED WITH LEXAN METER COVER.
- CONTRACTOR SHALL PROVIDE AND INSTALL TELCO DEMARCATION BOX TO INCLUDE 48"x48"x12" NEMA 3R ENCLOSURE WITH BACKPLATE (HOFFMAN OR APPROVED EQUAL), GFI RECEPTACLE (120V, 15A), SURGE SUPPRESSION, AND 2"x12"x1/4" COPPER TIN-PLATED BUSS BAR.

1 **MULTI-TENANT UTILITY STAND**
NOT TO SCALE

- KEY**
- | ITEM | DESCRIPTION: |
|------|--|
| 1 | DISTRIBUTION BREAKER. ADD NAMEPLATE TO INDICATE METER LETTER AND CARRIER OF PANEL FED (TYP.) |
| 2 | MODULAR METERING MAIN SERVICE CENTER (SEE NOTE 1). |
| 3 | SINGLE LUG CONNECTORS. DRILL & TAP NEUTRAL BUS (TYP.) |
| 4 | 2/0 GREEN INSULATED STRANDED COPPER WIRE |
| 5 | (2) 4" SCH 40 PVC INCOMING POWER CONDUITS |
| 6 | #2 AWG SOLID TINNED COPPER GROUND WIRE IN 1-1/2" PVC SLEEVE |
| 7 | SERVICE ENTRANCE GROUND ROD PER NEC ARTICLE 250 |

UTILITY METER ENCLOSURE INSTALLATION TO BE COORDINATED WITH THE LOCAL ELECTRICAL PROVIDER

NOTES:

- ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND THE LOCAL BUILDING CODES. ALL COMPONENTS SHALL BE U.L. APPROVED.
- IF UTILITY RACK FRAME IS PLACED PARALLEL TO FENCE, LEAVE A MINIMUM OF 3' BETWEEN THE FACE OF THE METER AND THE FENCE.
- CONTRACTOR TO VERIFY THAT METER RACK IS APPROVED BY THE UTILITY COMPANY PRIOR TO PURCHASE.
- ALL CONDUITS FOR TELCO TO BE INSTALLED WITH 200 LB PULLSTRING.
- SEE SITE PLAN SHEETS FOR RACK LOCATION.
- CONTRACTOR TO VERIFY AVAILABLE FAULT CURRENT AND ENSURE THAT MAIN BREAKERS MEET OR EXCEED AVAILABLE FAULT CURRENT.

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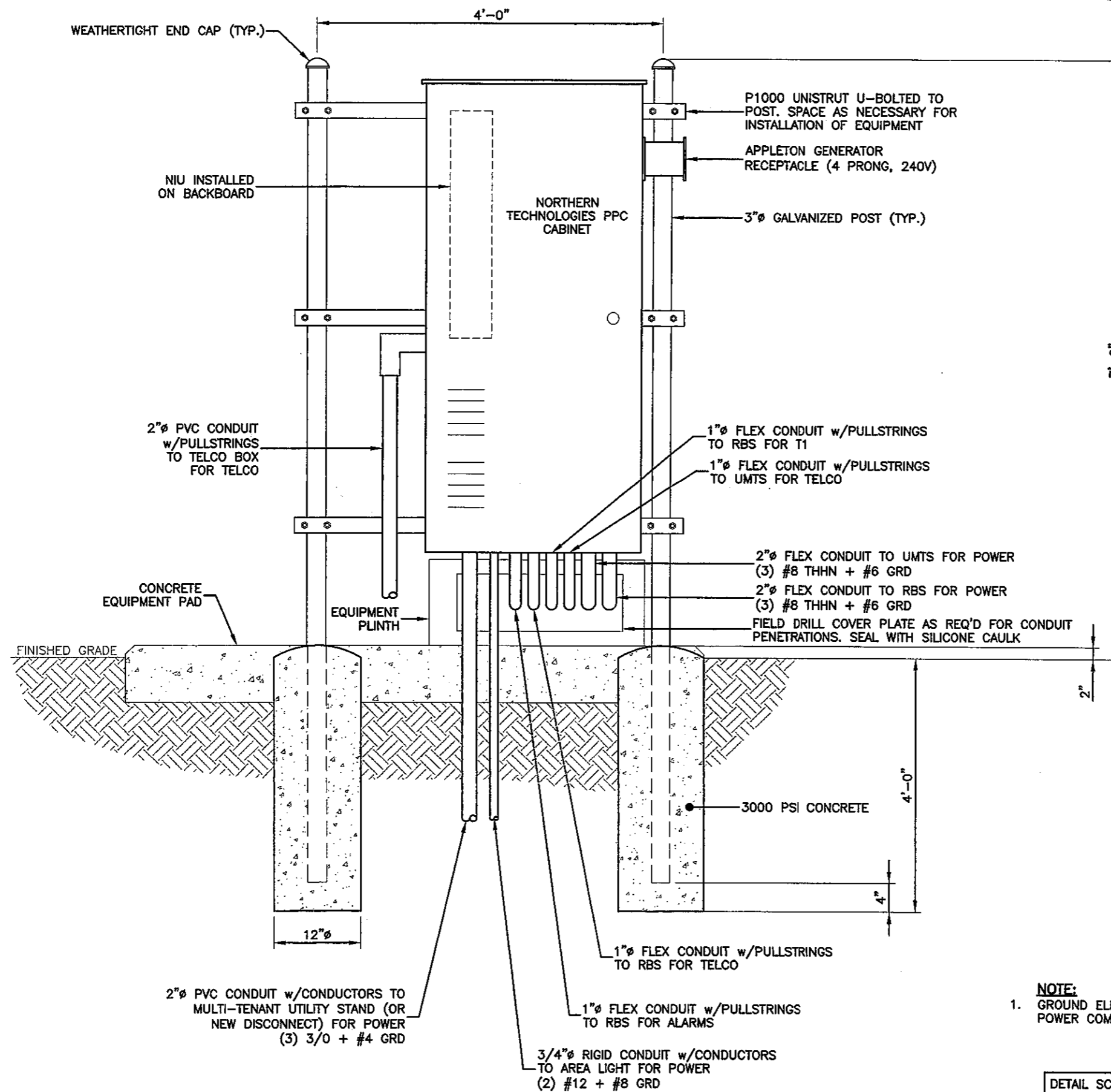
SITE NO.: 9AT1292D

DRAWING DESCRIPTION:

UTILITY STAND DETAILS

DRAWING NUMBER:

E4.1



1 **UTILITY STAND DETAIL**
NOT TO SCALE

- NOTE:**
- GROUND ELECTRICAL EQUIPMENT PER LOCAL POWER COMPANY & NEC REQUIREMENTS.

DETAIL SCHEMATIC IN NATURE ONLY.
REFERENCE SITE PLAN(S) FOR EXACT
LOCATION AND ORIENTATION.

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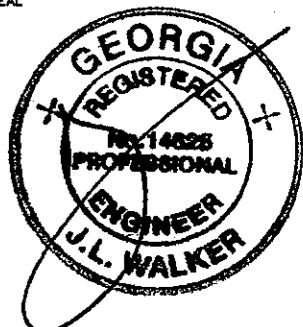
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ROSWELL, GA 30075
FULTON COUNTY

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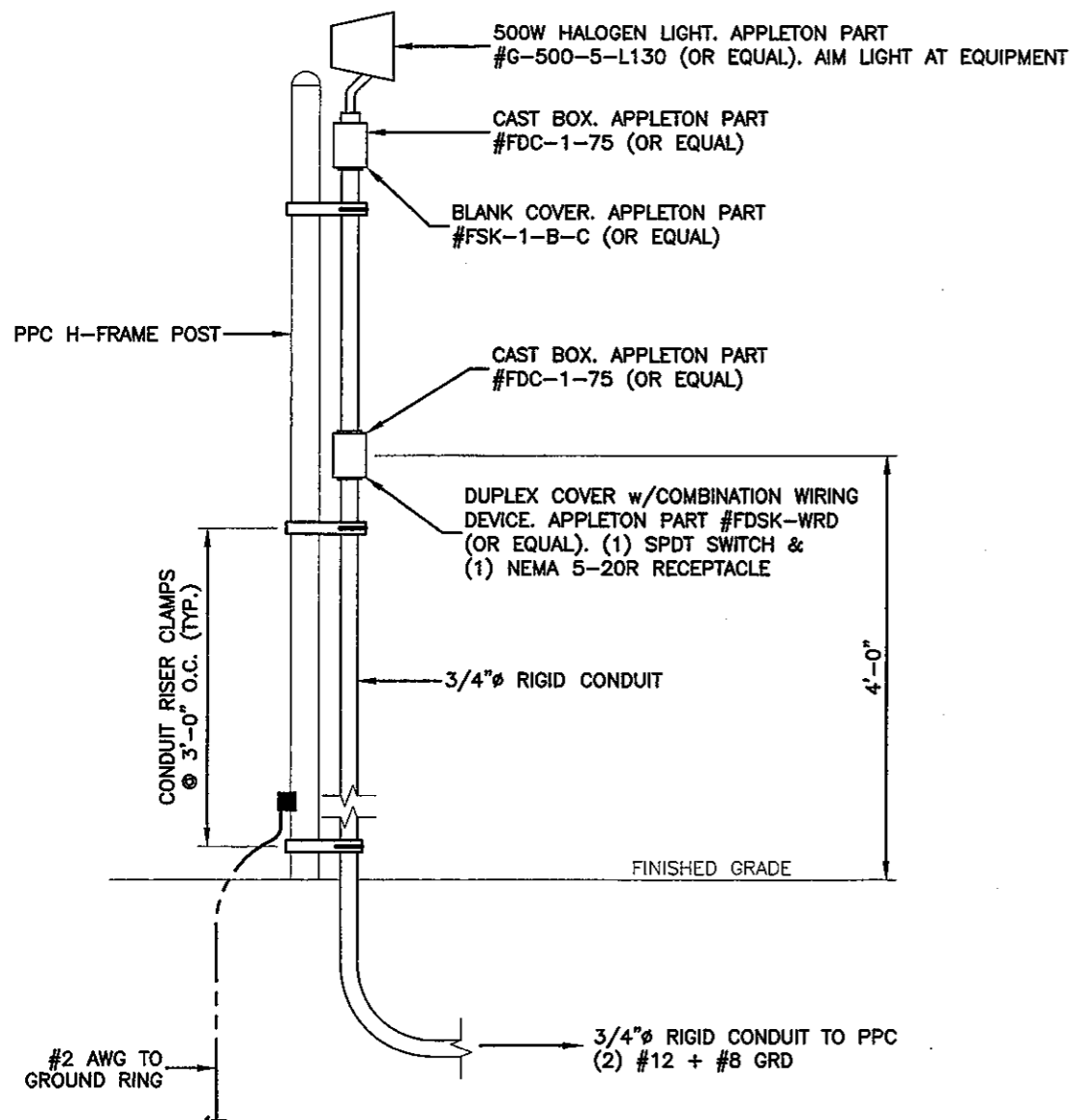
UTILITY STAND DETAILS

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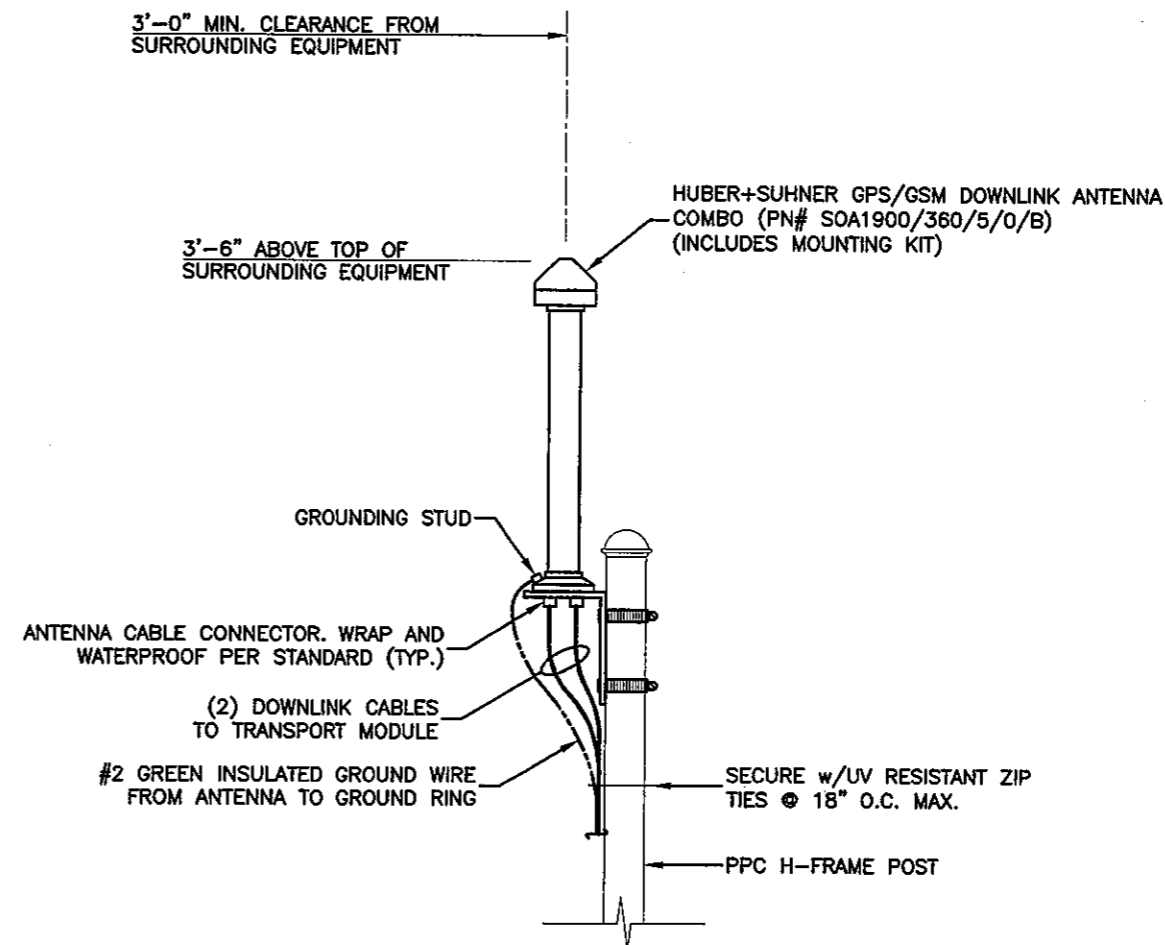
E4.2

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1 **AREA LIGHT DETAIL**
NOT TO SCALE



2 **GPS/GSM ANTENNA DETAIL**
NOT TO SCALE

INSTALLATION NOTES:

1. GPS/GSM DOWNLINK ANTENNA COMBO PROVIDED BY T-MOBILE AND INSTALLED BY CONTRACTOR.
2. INSTALL ANTENNA PER MANUFACTURER'S SPECIFICATIONS.
3. EXTEND CABLES FROM GPS/GSM DOWNLINK ANTENNA DOWN H-FRAME POST. ROUTE BENEATH ICE BRIDGE w/COAX, THROUGH PLINTH TO RBS AND INTO THE TRANSPORT MODULE. LEAVE 3' LONG PIG TAIL COILED AT ENDS.
4. SECURE ENDS OF CABLES WITH TAPE PROVIDED.
5. LABEL BOTH ENDS OF EACH CABLE USED.
6. LABEL GSM CABLE WITH (1) YELLOW BAND AND GPS CABLE WITH (2) YELLOW BANDS.
7. ENSURE THAT CABLES ARE ROUTED AND WEATHERPROOFED IN A PROFESSIONAL MANNER AND ARE ADEQUATELY SUPPORTED.
8. ALL WEATHERPROOFING AND GROUNDING SHALL BE DONE ACCORDING TO ESTABLISHED T-MOBILE SPECIFICATIONS AND PRACTICES.
9. DRAWING IS SCHEMATIC IN NATURE ONLY. COORDINATE EXACT LOCATION OF ANTENNA WITH CONSTRUCTION MANAGER.
10. GROUNDING MATERIALS TO BE PROVIDED BY CONTRACTOR.
11. GROUND USING #2 GREEN INSULATED GROUND WIRE.

APPLICANT/OWNER

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PREPARED BY:

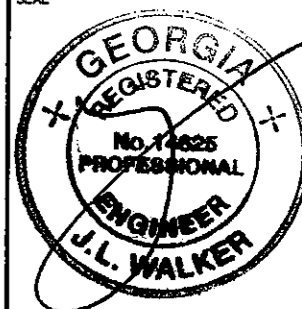
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LAKE CHARLES DRIVE
ROSWELL, GA 30075
FULTON COUNTY

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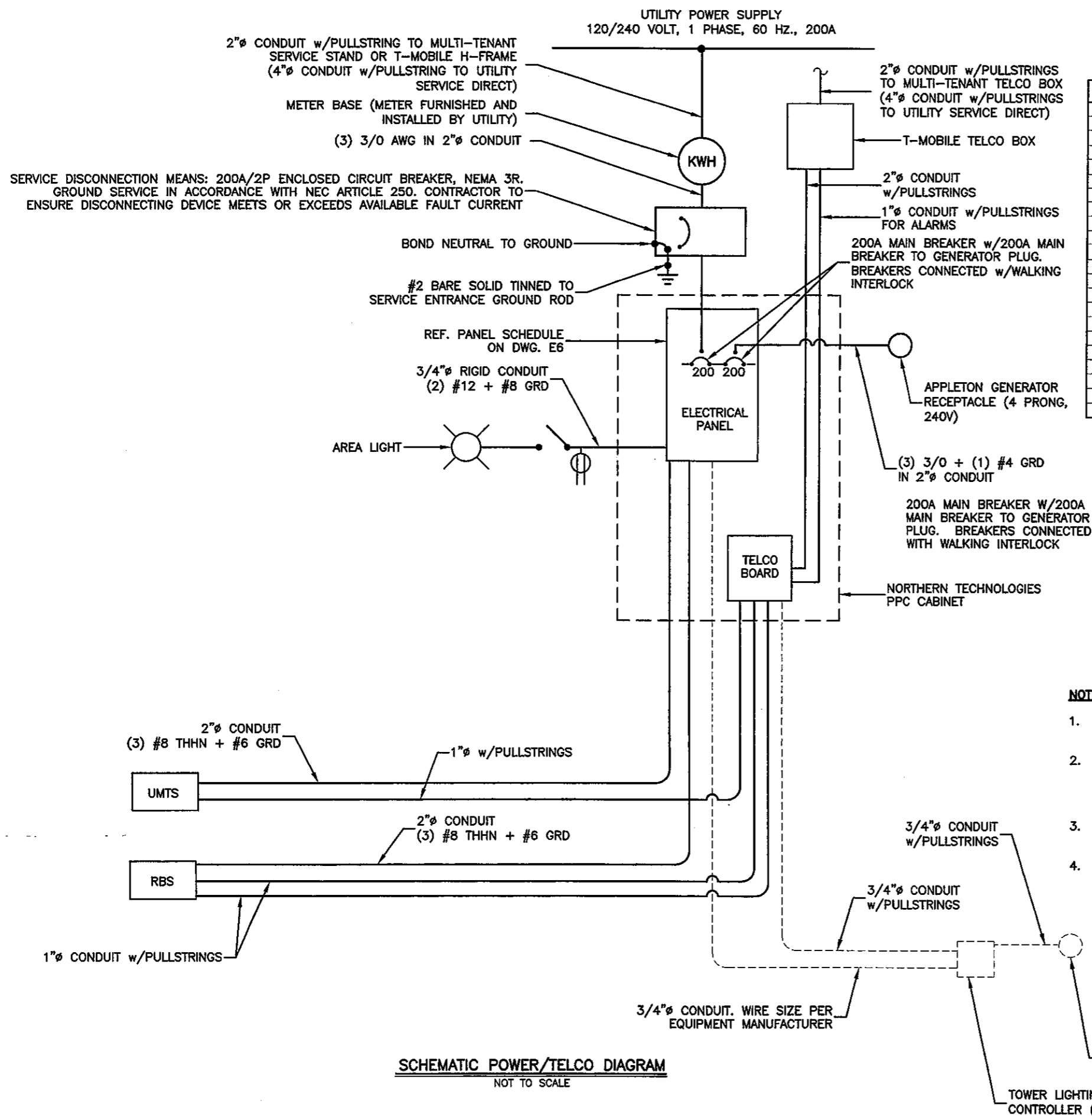
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DRAWING DESCRIPTION:

ELECTRICAL DETAILS

DRAWING NUMBER:

E4.3



ABBREVIATIONS	
A	AMPERE(S)
AC	ALTERNATING CURRENT
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAGE
C	CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
Hz	HERTZ
JB	JUNCTION BOX
KWH	KILOWATT HOUR
LP	LIQUID PROPANE
MGB	MASTER GROUND BAR
MLO	MAIN LUG ONLY
NEUT	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
P	POLE(S) OR PHASE
TMA	TOWER MOUNTED AMPLIFIER
UL	UNDERWRITERS LABORATORIES
RBS	RADIO BASE STATION
V	VOLT(S)
W	WATT(S)
WP	WEATHERPROOF

LEGEND	
SYMBOL	DESCRIPTION
	CONDUIT RACEWAY
	GROUND

NOTES:

- REF. DWG. E6 FOR T-MOBILE STANDARD ELECTRICAL SPECIFICATIONS. REF. DWG. E3 FOR UTILITY NOTES.
- THE CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT MEETS OR EXCEEDS AVAILABLE FAULT CURRENT.
- ALL CONDUIT RACEWAYS SHALL BE INSTALLED PER UTILITY TRENCH DETAIL SHOWN ON DWG. C5.1.
- ONE-LINE DIAGRAM SCHEMATIC IN NATURE ONLY. REF. ELECTRICAL SITE PLAN(S) FOR ACTUAL LOCATION OF EQUIPMENT AND UTILITIES. COORDINATE UTILITY SERVICE WITH UTILITY COMPANIES AND CONSTRUCTION MANAGER.

APPLICANT/OWNER

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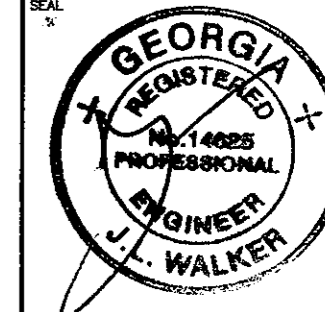
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ONE-LINE DIAGRAM

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E5

