

SITE CONSTRUCTION PLANS

FOR

FULTON COUNTY DEPARTMENT OF PUBLIC WORKS

W032 - PRITCHARD MOUNTAIN ELEVATED WATER TANK

SHEET INDEX

- C1.0 COVER SHEET
- C2.0 GENERAL NOTES, LEGEND & ABBREVIATIONS
- C3.0 EXISTING CONDITIONS PLAN
- C4.0 STAKING PLAN
- C4.0 EROSION CONTROL PLAN
- C4.1 EROSION CONTROL DETAILS
- C5.0 UTILITY PLAN
- C6.0 WATER TANK LAYOUT
- C7.0 SITE CONSTRUCTION DETAILS



16300 FREEMANVILLE ROAD
ALPHARETTA, GA 30004

PARCEL 21264
2ND DISTRICT, 2ND SECTION
LAND LOTS 264 & 241

ISSUE DATE: JANUARY 18, 2008
REVISION DATE:



BEFORE ANY EXCAVATION WORK BEGINS OR ANY WORK BEGINS WITHIN TEN (10') FT. OF OVERHEAD POWER LINES OF 750 VOLTS OR MORE, NOTIFICATION MUST BE MADE TO THE UTILITIES PROTECTION CENTER (UPC) AT 1-800-282-7411 (404-623-4344 IN METRO ATLANTA).

ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

PERMITTING DISCLAIMER
THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING, HAVE BEEN MET. THE BURDEN OF PROOF OR OBLIGATION IS ON THE OWNER, DEVELOPER OR BUILDER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT RELIEVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, POLICIES, STANDARDS OR OTHER PERMITS WHICH MAYBE REQUIRED FOR THIS PROJECT.

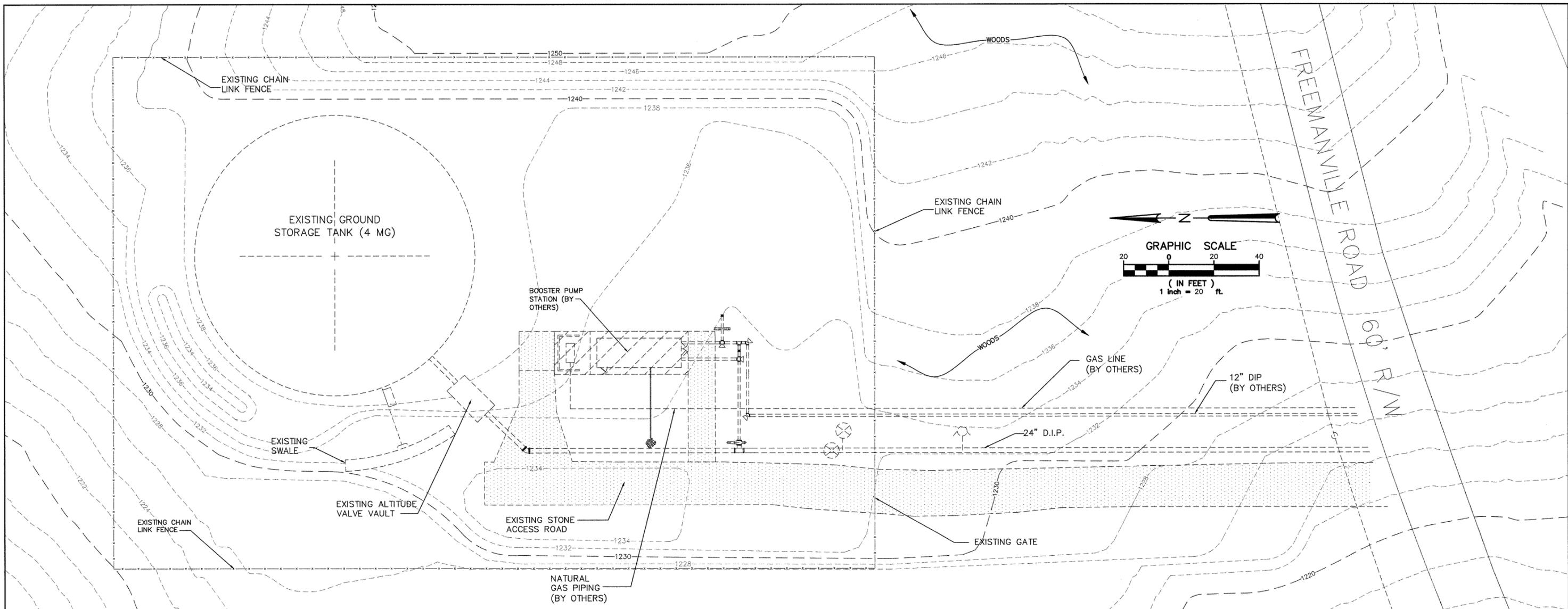
DATE	DESCRIPTION	REVISIONS

FULTON CONSTRUCTION MANAGEMENT PARTNERS
141 PRYOR STREET, S.W.
SUITE 6001
ATLANTA, GEORGIA 30303
404.612.0880

FULTON COUNTY DEPARTMENT OF PUBLIC WORKS
141 PRYOR STREET, S.W. ~ SUITE 6001 ~ ATLANTA, GA 30303
404.730.7400

24 HOUR EMERGENCY CONTACT:
RAY WOOTEN
(404)612-7547





UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.

ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.



BEFORE ANY EXCAVATION WORK BEGINS OR ANY WORK BEGINS WITHIN TEN (10') FT. OF OVERHEAD POWER LINES OF 750 VOLTS OR MORE, NOTIFICATION MUST BE MADE TO THE UTILITIES PROTECTION CENTER (UPC) AT 1-800-282-7411 (404-623-4344 IN METRO ATLANTA).

NO.	DATE	DESCRIPTION OF REVISION

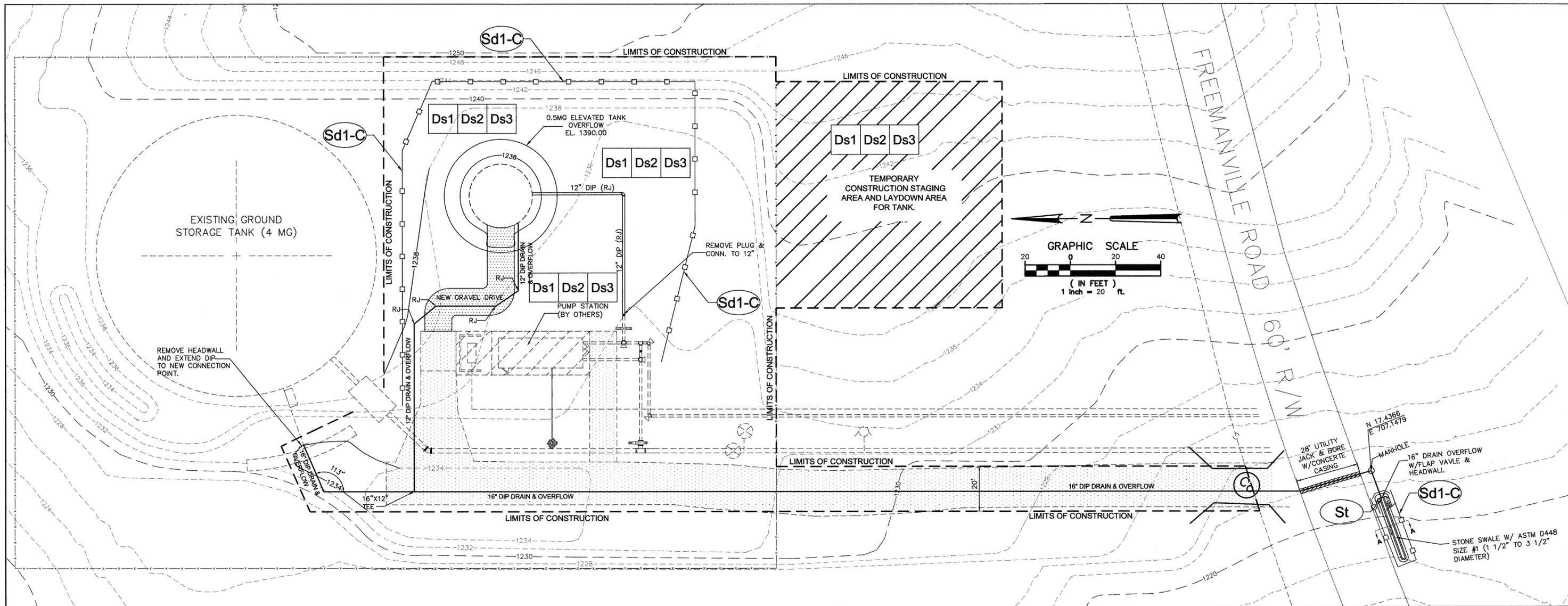
FULTON CONSTRUCTION MANAGEMENT PARTNERS
 141 PRYOR STREET, S.W.
 SUITE 6001
 ATLANTA, GEORGIA 30303
 404.612.0880

FULTON COUNTY DEPARTMENT OF PUBLIC WORKS
 141 PRYOR STREET, S.W. - SUITE 6001 - ATLANTA, GA 30303
 404.730.7400

EXISTING CONDITIONS PLAN

**W032 - PRITCHARD MOUNTAIN ELEVATED WATER TANK
 FULTON COUNTY, GEORGIA**

DWG. No.	CHECKED: PJP	DATE: JANUARY 18, 2008	C2.0 SHEET
DRAWN: RCM	JOB NO. 1788	SCALE: NOTED	



- NOTES:
1. TIE 12 INCH DIP FEED LINE TO EXISTING STUB AT BOOSTER PUMP STATION.
 2. EXTEND DRAIN LINE TO DISCHARGE TO EXISTING SWALE NEAR ALTITUDE VALVE VAULT. PROVIDE HEADWALL AND A FLAP GATE AT THE DISCHARGE POINT.



BEFORE ANY EXCAVATION WORK BEGINS OR ANY WORK BEGINS WITHIN TEN (10) FT. OF OVERHEAD POWER LINES OF 750 VOLTS OR MORE, NOTIFICATION MUST BE MADE TO THE UTILITIES PROTECTION CENTER (UPC) AT 1-800-282-7411 (404-623-4344 IN METRO ATLANTA).

UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.

24 HOUR EMERGENCY CONTACT:
 RAY WOOTEN
 (404)612-7547

ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

NO.	DATE	DESCRIPTION OF REVISION

FULTON CONSTRUCTION MANAGEMENT PARTNERS
 141 PRYOR STREET, S.W.
 SUITE 6001
 ATLANTA, GEORGIA 30303
 404.612.0880

FULTON COUNTY DEPARTMENT OF PUBLIC WORKS
 141 PRYOR STREET, S.W. - SUITE 6001 - ATLANTA, GA 30303
 404.730.7400



EROSION CONTROL PLAN

W032 - PRITCHARD MOUNTAIN ELEVATED WATER TANK
 FULTON COUNTY, GEORGIA

DWG. No.	CHECKED: PJP	DATE: JANUARY 18, 2008	C4.0 SHEET
DRAWN: RCM	JOB NO. 1788	SCALE: 1" = 20'	

EROSION CONTROL NOTES

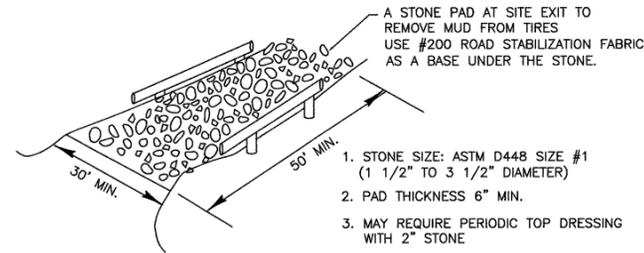
- The construction exit shall be maintained in a condition that will prevent tracking or flow of mud onto public streets. If the gravel pad, alone, does not prevent the tracking of sediment offsite, a tire wash station shall be installed.
- Silt fences and hay bale barriers shall be cleaned or replaced and maintained in functional condition until permanent erosion control measures are established.
- Silt fence fabric must be approved by the Georgia Department of Transportation as a qualified product (QPL #36, Silt fence fabric).
- All grassing shall be in accordance with Chapter 6, Section II "Vegetative Measures" of the Manual for Erosion and Sediment Control in Georgia.
- All other work shall be performed in accordance with the specifications of this same manual.
- The contractor shall furnish the City's Engineering Division with a schedule of anticipated starting and completion dates for each sequence of land disturbing activity listed in items one through five above.
- Erosion control devices will be in place before site disturbance and will be periodically inspected and repaired or restored as needed to function properly until permanent measures are established and project is complete, i.e.: construction exits shall be redressed or cleaned as silt reduces their effectiveness.
- Any additional construction other than shown on this plan will require additional erosion and sediment control measures and prior approval from City's Engineering Division.
- Temporary vegetation and/or heavy mulch will be used to stabilize areas. In no case shall a site be left bare for more than fourteen (14) days.
- All disturbed areas will be permanently landscaped and grassed as quickly as possible.
- Additional measures may be required to control erosion as determined by City inspectors.
- Erosion control matting and blankets shall be used on all slopes exceeding 3:1 and must be found on the GDOT Qualified Products List (Matting QPL #49, Blankets QPL #62).
- All applications of hydroseed will be followed by 1/2" to 1" mulch.
- No clearing beyond the limits of disturbance shown on the approved plans shall be allowed.
- No land disturbing activity within any tree save area shall be allowed.
- The property owner and contractor are equally responsible for all erosion control activities.
- Notice is hereby given that all erosion and sediment devices and practices must be installed and maintained at all times. No further notice will be given. Any site upon which the Land Development Inspector finds any deficiency will be subject to an immediate enforcement action without warning.
- Erosion and sediment control devices must be maintained in a satisfactory condition 24 hours a day, 7 days a week.
- All best management practices shall be judged not on appearances but performances only.
- It is the responsibility of the contractor to obtain qualified professional advice when questions arise concerning design and effectiveness of erosion control devices and is not City's responsibility.
- Erosion control devices that are installed as directed by the Land Development Inspector but not shown on approved plan and which also subsequently fail, are responsibility of the contractor.
- All temporary and permanent seeding must be performed at the appropriate season. In such instances where the establishment of vegetation is inopportune due to season or drought, disturbed areas shall be temporarily stabilized using mulch (Ds1). Additional plantings will be necessary if a sufficient stand of grass fails to grow.
- The Land Development Inspector will determine adequate cover of new plantings.
- Topsoil shall be stockpiled and used to dress final grades.
- No disturbance will be allowed within flood plains or wetlands.
- Erosion control measures will be maintained at all times. Additional erosion and sediment control measures will be necessary if deemed by on site inspection.
- Silt fences shall not be placed in stream buffer or flood plains, unless utilized for the construction of an exempt activity (i.e. roadway drainage structure, sewer crossing, or drainage structure) per the approved plans. For such disturbances within the buffer, the area shall be immediately stabilized using erosion control matting and/or blankets once activity is complete.
- When silt fences become 1/3 full of sediment, the sediment must be removed.
- The contractor shall furnish weekly reports to the City, which indicates the date, person responsible, and notation of all deficiencies and corrections made to all erosion and sediment control devices.
- 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.
- The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities.
- No clearing of site until all basins, diversions and sediment control practices are functioning.
- For each site on which land disturbing activity occurs, each entity or person acting as either a primary, secondary, or tertiary permittee, as defined in the general permit, shall have as a minimum one person who is in responsible charge of erosion & sedimentation control activities on behalf of said entity or person and meets the applicable education & certification requirement.
- Person responsible for erosion control measures is: Mr. Ray Wooten.
Emergency Telephone #: (404)612-7547
GSWCC Level 1A Certification #: N/A (site disturbance is less than 1.0 acre).
- Subcontractors involved with land disturbance activities shall meet the education requirements (Subcontractors Awareness Course) described in O.C.G.A. 12-7-19 by December 31, 2007. For more information regarding E&SC Certification requirements, go to www.gawcc.org
- Certification stating that plan preparer or his designee visited the site prior to creation of plans.
- A discharge from stormwater runoff causing an increase of 25 nephelometric turbidity units to receiving state waters shall constitute a separate violation on any land disturbance activity where BMP's have not been properly designed, installed and maintained. Permit holder to keep copies of NPDES generated reports, NOI, and monitoring results on site, or readily accessible if requested by Land Development Inspectors.
- Cut and fill operations to be kept to a minimum.
- Fills may not encroach upon natural watercourses or constructed channels in a manner so as to adversely affect other property owners.

DESCRIPTION	ACTIVITY SCHEDULE						
	(MONTHS AFTER BEGINNING CONSTRUCTION)						
	1	2	3	4	5	6	7
INSTALL & MAINTAIN SEDIMENT CONTROL STRUCTURES	/	/	/	/	/	/	/
CLEARING, AND GRUBBING	/						
GRADING	/	/					
UTILITIES		/	/	/	/	/	/
BUILDING CONSTRUCTION			/	/	/	/	/
PAVING						/	/
GRASSING/LANDSCAPING						/	/
REMOVE SEDIMENT CONTROL STRUCTURES							/

Ds1 DISTURBED AREA STABILIZATION

VEGETATIVE SCHEDULE				
SPECIES	RATE/1000 S.F.	DATE		
COMMON BERMUDA GRASS	0.25#	APRIL 10 - JUNE 15		
MULCHING - HAY W/ Ds2 & Ds3	GOOD COVER	---		
MULCHING - AS Ds1	6"-10" DEPTH	---		
TALL FESCUE GRASS	1.0#	AUGUST 1 - OCTOBER 15		
SERICEA LESPEDEZA SEED BEARING HAY WITH OVERSEEDING WEEPING LOVEGRASS	140# 0.2#	OCTOBER 1 - MARCH 15 MARCH 15 - MAY 1		
FERTILIZER MIX				
APPLICATION	N, #/ACRE	P ₂ O ₅ , #/ACRE	K ₂ O, #/ACRE	N, TOP DRESSING
1st	60 - 90	120 - 180	120 - 180	50
2nd	60	120	120	-

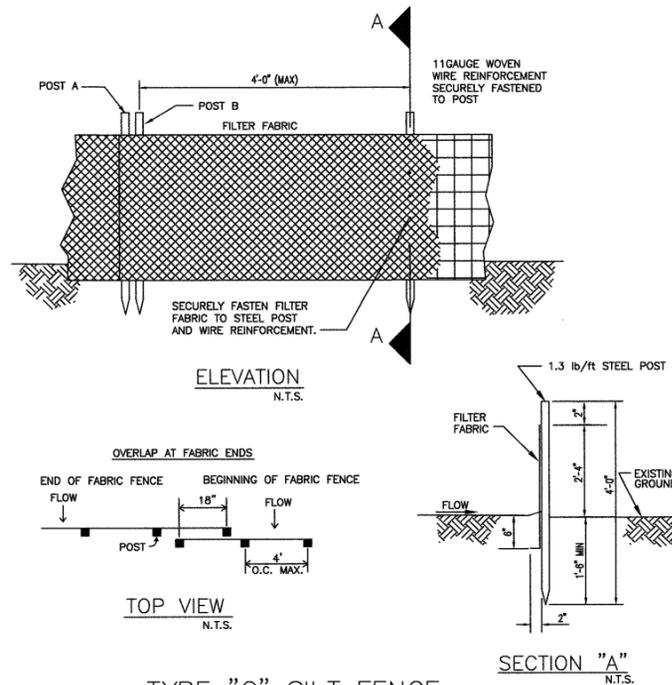
NOTE:
- GRASS AND MULCH ALL DISTURBED AREAS



- STONE SIZE: ASTM D448 SIZE #1 (1 1/2" TO 3 1/2" DIAMETER)
- PAD THICKNESS 6" MIN.
- MAY REQUIRE PERIODIC TOP DRESSING WITH 2" STONE
- MIN. SIZE: 30' WIDE BY 50' LONG
- MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS.
- IF NECESSARY INCLUDE WASHING.

Co CONSTRUCTION EXIT

N.T.S.



Sd1-C TYPE "C" SILT FENCE

N.T.S.

"The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities."

ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

24 HOUR EMERGENCY CONTACT:
RAY WOOTEN
(404)612-7547

Ds2 SEEDING RATES FOR TEMPORARY SEEDINGS

SPECIES	RATE PER 1000 SQ. FT.	RATE PER ACRE ¹	PLANTING DATES ²		
			MTS.-L'STONE	PIEDMONT	COASTAL
RYE	3 POUNDS	2-3 BU.	8/1-12/1 3/1-4/1	9/1-1/1 3/1-4/1	10/1-3/1
RYE GRASS	1 POUND	40-50 LBS	8/1-12/1	8/15-1/1	8/15-3/1
RYE AND ANNUAL LESPEDEZA	1 1/2 POUNDS 1/2 POUND	1-1 1/2 BU 20-25 LBS.	3/1-4/1 3/1-4/1	3/1-4/1 3/1-4/1	2/1-3/1
SUDANGRASS	1 POUND	35-45 LBS.	4/1-8/1	4/1-7/15	4/1-7/15
WHEAT	3 POUNDS	2-3 BU.	10/1-12/1	10/15-1/1	11/1-1/15

- UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES
- SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

Ds3 PERMANENT SEEDING SCHEDULE

CONTRACTOR SHALL PROTECT ALL DISTURBED AREAS BY TEMPORARY RESEEDING UNTIL PERMANENT GROUND COVER IS ESTABLISHED. (MAXIMUM OF 3 WEEKS AFTER DISTURBANCE)

SOIL PREPARATION

ADD TO SOIL:

-COMMERCIAL 18-20-10 FERTILIZER AT 650 POUNDS PER ACRE OR AS SPECIFIED BY SOILS REPORT

-AFTER SOIL PH ANALYSIS, LIME AS SPECIFIED ON PH LEVEL CHART.

TO RAISE THE PH LEVEL

THIS CHART INDICATES THE AMOUNT OF LIME TO BE ADDED IN OUNCES PER SQ. YD. AND IN POUNDS PER 1000 SQ. FT.

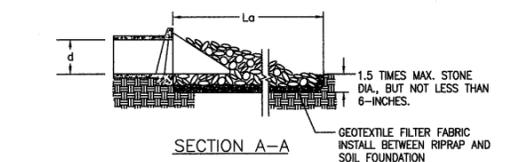
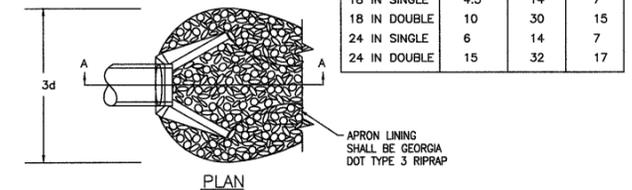
METER READING	SANDY SOIL ADD LIME	SANDY LOAM ADD LIME	MED. LOAM ADD LIME	HEAVY SOIL ADD LIME
4.0 1000 SF	2.25 OZ. 24 LBS.	3 OZ. 19 LBS.	4.4 OZ. 28 LBS.	5.33 OZ. 33 LBS.
5.0 1000 SF	1.8 OZ. 11 LBS.	2.25 OZ. 14 LBS.	3.0 OZ. 28 LBS.	3.6 OZ. 23 LBS.
6.0 1000 SF	0.5 OZ. 3.5 LBS.	1 OZ. 6 LBS.	1.2 OZ. 8 LBS.	1.4 OZ. 9 LBS.

NOTE: NEUTRAL PH IS 7.0

SEEDING RATES

SEASON	DATES	TYPE OF GRASS	RATE
SUMMER	MAY 15-AUG 30	BERMUDA	100 LBS/ACRE
COOL	SEPT 1-NOV 15 MAR 15-MAY 15	FESCUE (KY 31,"TALL")	300 LBS/ACRE
WINTER	NOV 15-MAR 15	ANNUAL RYEGRASS	300 LBS/ACRE

PIPE	3d (FT)	La	W
18 IN SINGLE	4.5	14	7
18 IN DOUBLE	10	30	15
24 IN SINGLE	6	14	7
24 IN DOUBLE	15	32	17



NOTES:

- DESIGN La IN ACCORDANCE WITH CURRENT MANUAL FOR EROSION AND SEDIMENT CONTROL IN GA.
- INSPECT OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF EROSION AROUND OR BELOW RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLOADED. IMMEDIATELY MAKE REPAIRS TO PREVENT FUTURE DAMAGE.
- ALL PIPES AND FITTINGS ARE TO BE CORRUGATED METAL; SIZE AS SHOWN ON DRAWINGS.
- SEE DRAWING C298 FOR PIPE INVERT ELEVATIONS.
- INSPECT INLETS AND OUTLETS DAILY AND AFTER RAINFALL. REPAIR AS NECESSARY AND CLEAN WHEN DEBRIS COLLECTS.

St STORM DRAIN OUTLET PROTECTION

N.T.S.



BEFORE ANY EXCAVATION WORK BEGINS OR ANY WORK BEGINS WITHIN TEN (10) FT. OF OVERHEAD POWER LINES OF 750 VOLTS OR MORE, NOTIFICATION MUST BE MADE TO THE UTILITIES PROTECTION CENTER (UPC) AT 1-800-282-7411 (404-623-4344 IN METRO ATLANTA).

EROSION CONTROL DETAILS

W032 - PRITCHARD MOUNTAIN ELEVATED WATER TANK
FULTON COUNTY, GEORGIA

DWG. No.	CHECKED: PJP	DATE: JANUARY 18, 2008	C4.1
DRAWN: RCM	JOB NO. 1788	SCALE: NONE	SHEET



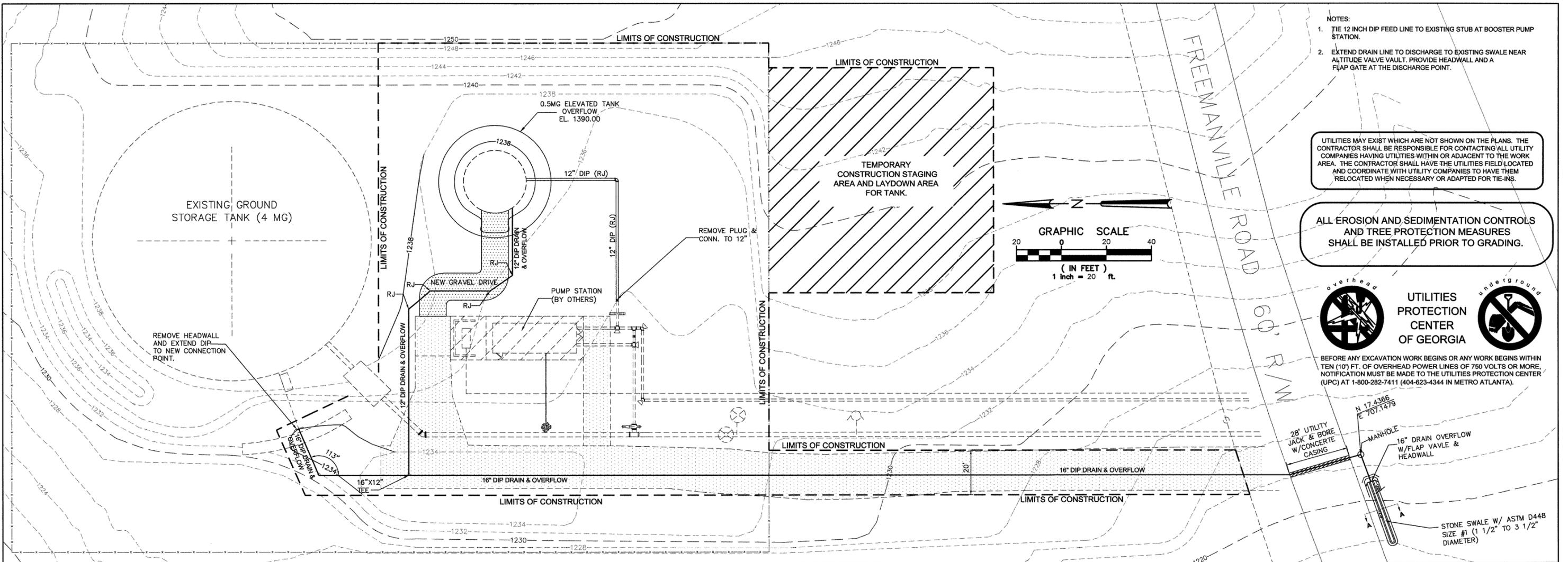
FULTON CONSTRUCTION MANAGEMENT PARTNERS
141 PRYOR STREET, S.W.
SUITE 6001
ATLANTA, GEORGIA 30303
404.612.0880



FULTON COUNTY DEPARTMENT OF PUBLIC WORKS
141 PRYOR STREET, S.W. - SUITE 6001 - ATLANTA, GA 30303
404.730.7400



NO.	DATE	DESCRIPTION OF REVISION



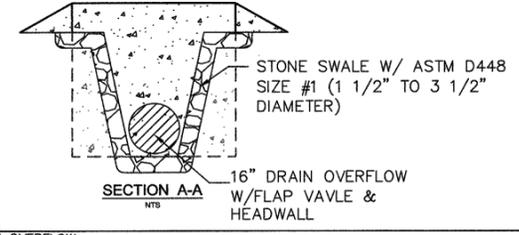
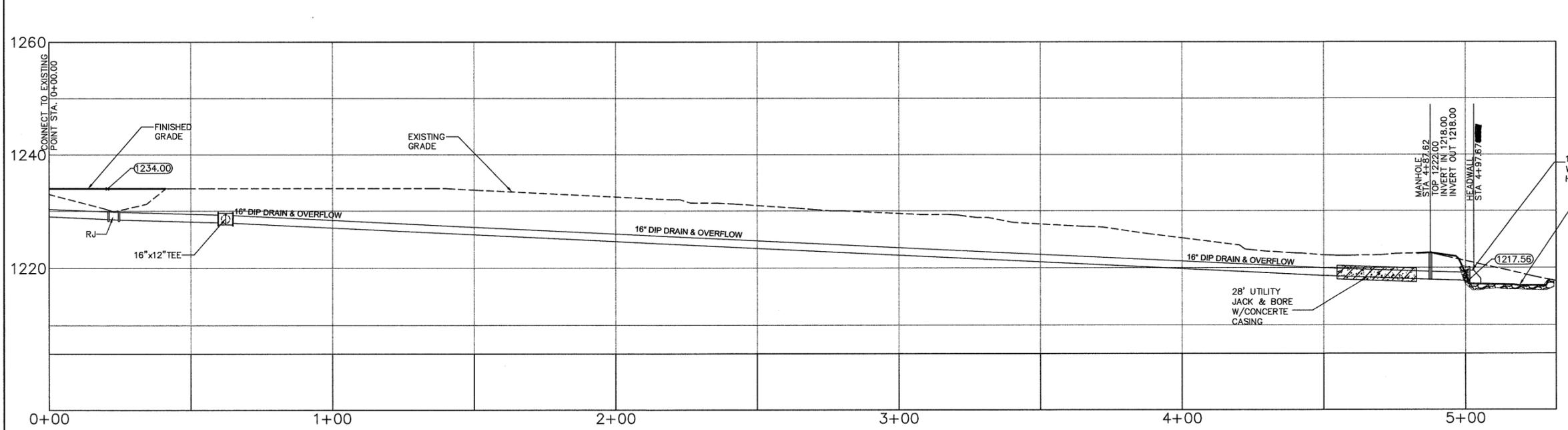
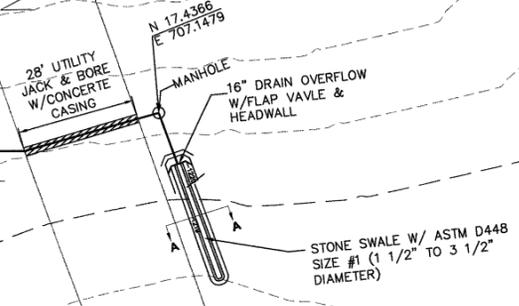
- NOTES:
1. TIE 12 INCH DIP FEED LINE TO EXISTING STUB AT BOOSTER PUMP STATION.
 2. EXTEND DRAIN LINE TO DISCHARGE TO EXISTING SWALE NEAR ALTITUDE VALVE VAULT. PROVIDE HEADWALL AND A FLAP GATE AT THE DISCHARGE POINT.

UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.

ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.



BEFORE ANY EXCAVATION WORK BEGINS OR ANY WORK BEGINS WITHIN TEN (10) FT. OF OVERHEAD POWER LINES OF 750 VOLTS OR MORE, NOTIFICATION MUST BE MADE TO THE UTILITIES PROTECTION CENTER (UPC) AT 1-800-282-7411 (404-623-4344 IN METRO ATLANTA).



24 HOUR EMERGENCY CONTACT:
 RAY WOOTEN
 (404)612-7547

NO.	DATE	DESCRIPTION OF REVISION

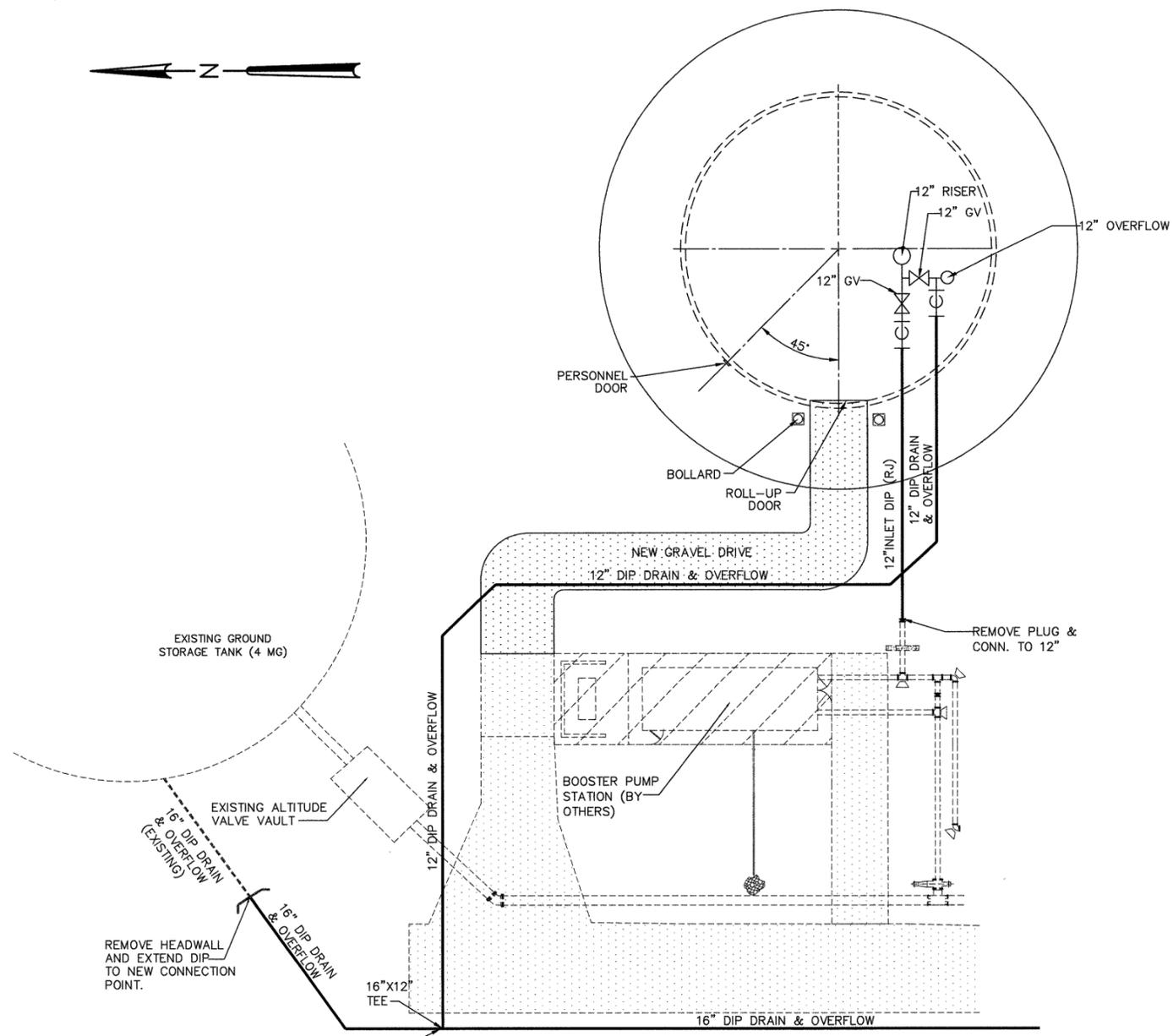
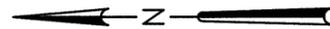
FULTON CONSTRUCTION MANAGEMENT PARTNERS
 141 PRYOR STREET, S.W.
 SUITE 6001
 ATLANTA, GEORGIA 30303
 404.612.0880

FULTON COUNTY DEPARTMENT OF PUBLIC WORKS
 141 PRYOR STREET, S.W. - SUITE 6001 - ATLANTA, GA 30303
 404.730.7400

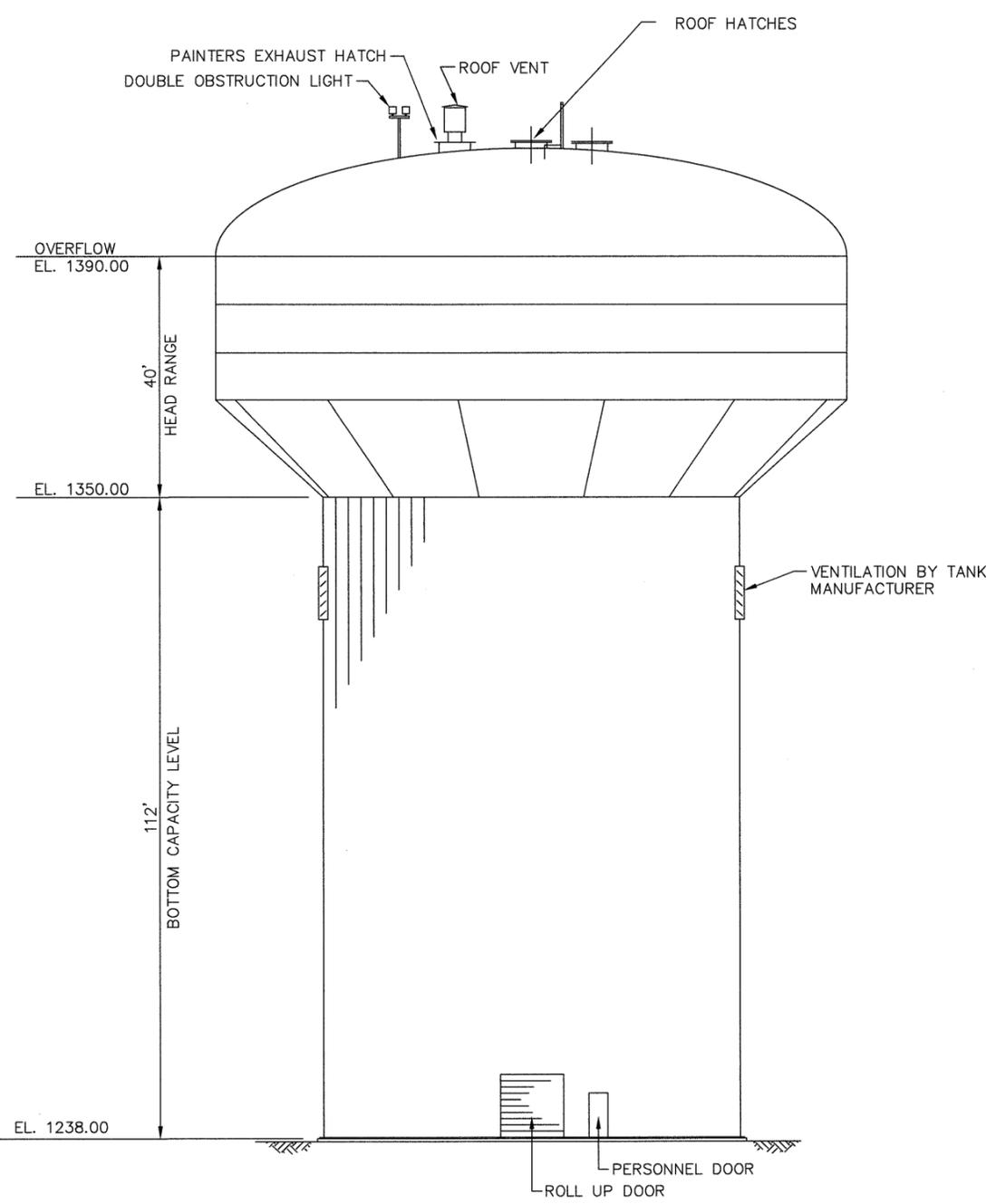


UTILITY PLAN
 W032 - PRITCHARD MOUNTAIN ELEVATED WATER TANK
 FULTON COUNTY, GEORGIA

DWG. No.	CHECKED: PJP	DATE: JANUARY 18, 2008	C5.0 SHEET
DRAWN: RCM	JOB NO. 1788	SCALE: 1" = 20'	



PIPING LAYOUT SCHEMATIC
N.T.S.



TYPICAL TANK ELEVATION

N.T.S. NOTE: DOORS, HATCHES AND OTHER ACCESSORIES ARE SHOWN OUT OF ROTATION FOR CLARITY. SEE PLAN FOR LOCATION.

NO.	DATE	DESCRIPTION OF REVISION

FULTON CONSTRUCTION MANAGEMENT PARTNERS
141 PRYOR STREET, S.W. SUITE 6001
ATLANTA, GEORGIA 30303
404.612.0880

FULTON COUNTY DEPARTMENT OF PUBLIC WORKS
141 PRYOR STREET, S.W. - SUITE 6001 - ATLANTA, GA 30303
404.730.7400

WATER TANK DETAILS			
W032 - PRITCHARD MOUNTAIN ELEVATED WATER TANK FULTON COUNTY, GEORGIA			
DWG. No.	CHECKED: PJP	DATE: JANUARY 18, 2008	C6.0 SHEET
DRAWN: RCM	JOB NO. 1788	SCALE: NONE	

