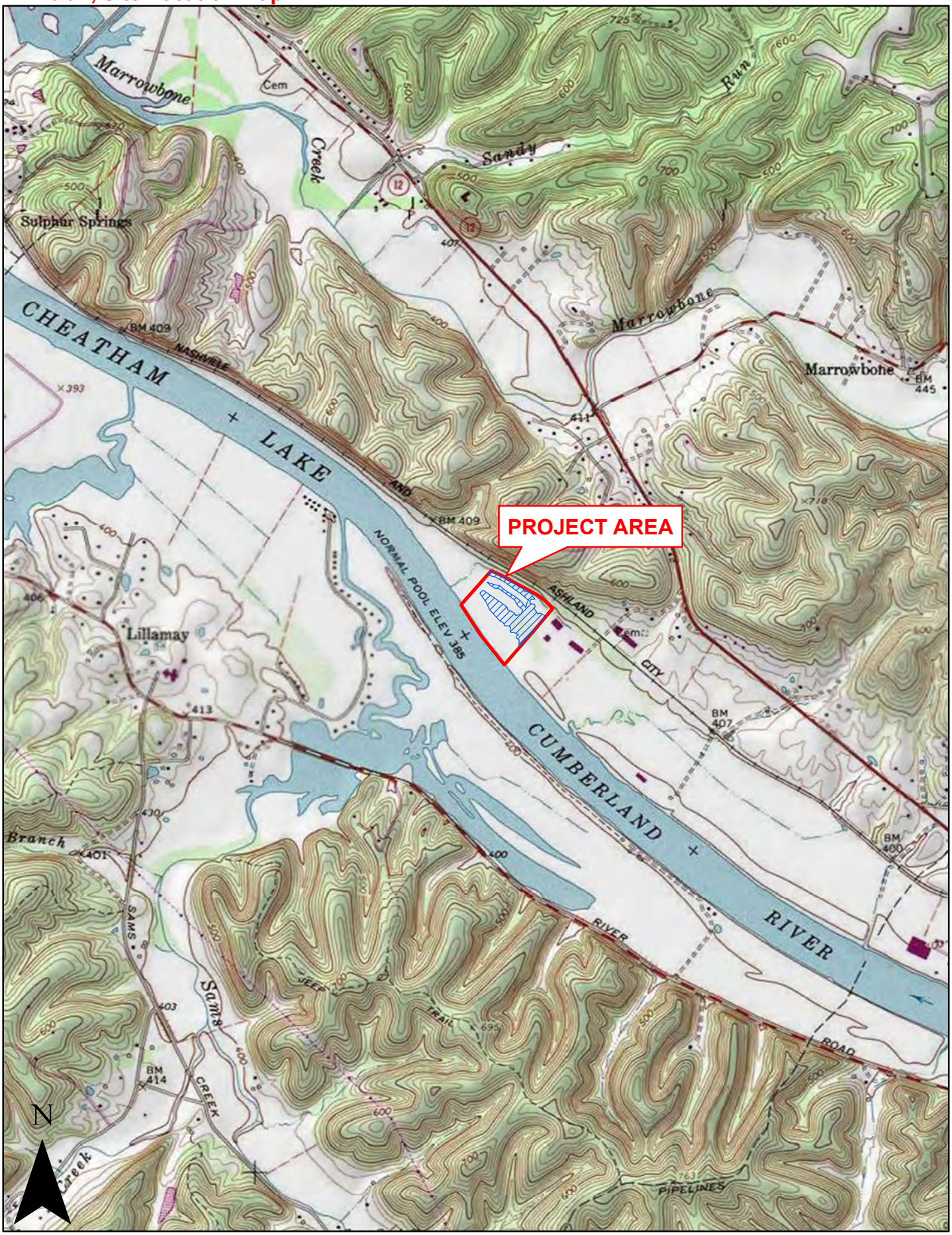
File No. 2012-01077
Public Notice 14-21
Exhibit 1, Site Location Map

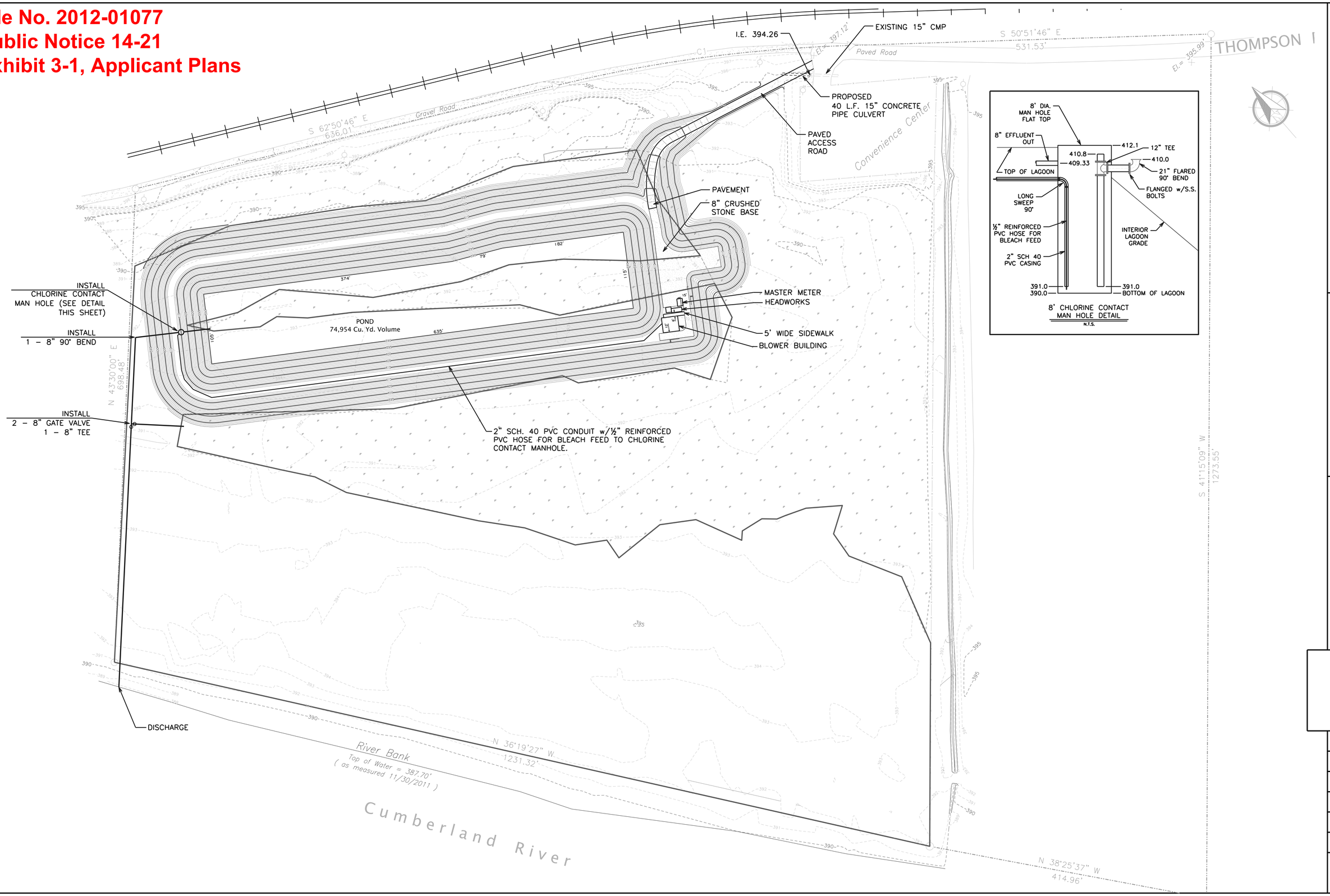


Lillamay, Tennessee 1:24,000

File No. 2012-01077
Public Notice 14-21
Exhibit 2, Aerial Image

Feet
500

File No. 2012-01077
Public Notice 14-21
Exhibit 3-1, Applicant Plans



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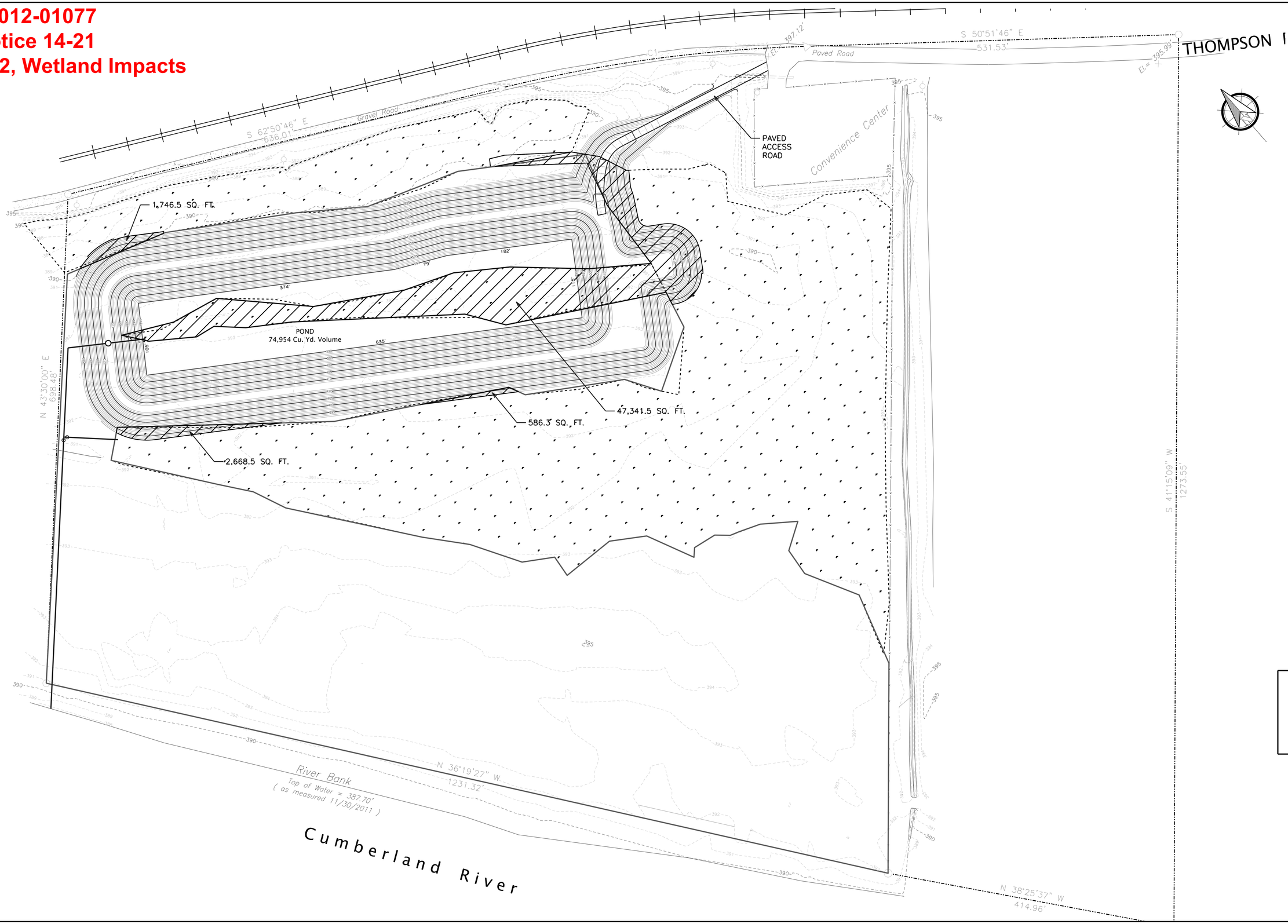
PROPOSED LAGOON SITE PLAN

CHEATHAM COUNTY WATER AND WASTEWATER AUTHORITY
Cheatham County, Tennessee

DESIGN	RNW
DRAWN	JAS
CHECKED	RNW
DATE	MAR 2013
SCALE	1" = 60'
PROJECT NO.	07128
SHEET	1

File No. 2012-01077
Public Notice 14-21
Exhibit 3-2, Wetland Impacts



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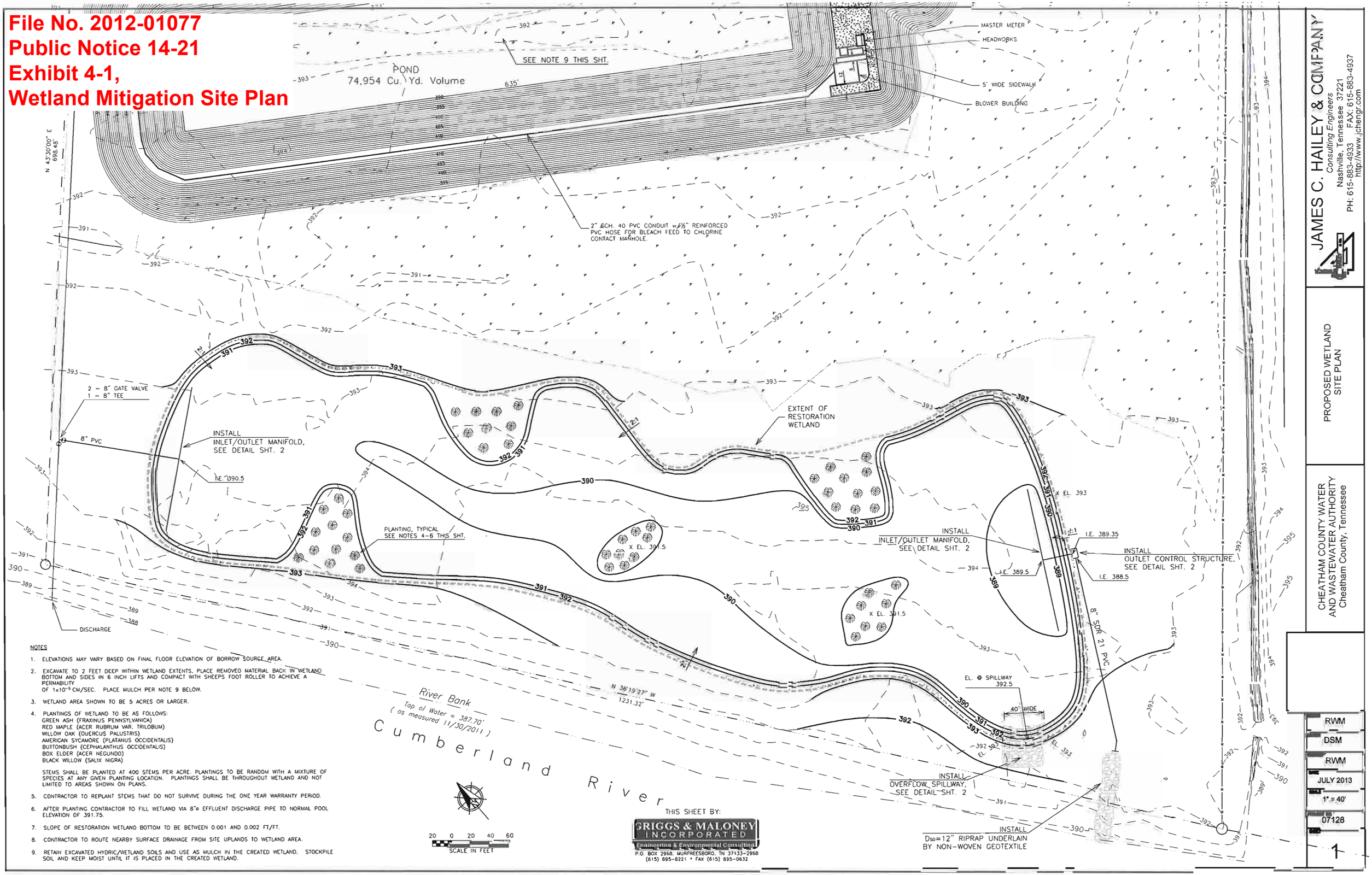
PROPOSED LAGOON SITE & WETLANDS DELINEATION

CHEATHAM COUNTY WATER AND WASTEWATER AUTHORITY
Cheatham County, Tennessee

DESIGN	RNW
DRAWN	JAS
CHECKED	RNW
DATE	MAR 2013
SCALE	1" = 60'
PROJECT NO.	07128
SHEET	1

File No. 2012-01077
Public Notice 14-21
Exhibit 4-1,
Wetland Mitigation Site Plan



NOTES

1. ELEVATIONS MAY VARY BASED ON FINAL FLOOR ELEVATION OF BORROW SOURCE AREA.
2. EXCAVATE TO 2 FEET DEEP WITHIN WETLAND EXTENTS. PLACE REMOVED MATERIAL BACK IN WETLAND BOTTOM AND SIDES IN 6 INCH LIFTS AND COMPACT WITH SHEEPS FOOT ROLLER TO ACHIEVE A PERMABILITY OF 1×10^{-5} CM/SEC. PLACE MULCH PER NOTE 9 BELOW.
3. WETLAND AREA SHOWN TO BE 5 ACRES OR LARGER.
4. PLANTINGS OF WETLAND TO BE AS FOLLOWS:
   GREEN ASH (FRAXINUS PENNSYLVANICA)
   RED MAPLE (ACER RUBRUM VAR. TRILOBUM)
   WILLOW OAK (QUERCUS PALUSTRIS)
   AMERICAN SYCAMORE (PLATANUS OCCIDENTALIS)
   BUTTONBUSH (CEPHALANTHUS OCCIDENTALIS)
   BOX ELDER (ACER NEGUNDO)
   BLACK WILLOW (SALIX NIGRA)

   STEMS SHALL BE PLANTED AT 400 STEMS PER ACRE. PLANTINGS TO BE RANDOM WITH A MIXTURE OF SPECIES AT ANY GIVEN PLANTING LOCATION. PLANTINGS SHALL BE THROUGHOUT WETLAND AND NOT LIMITED TO AREAS SHOWN ON PLANS.
5. CONTRACTOR TO REPLANT STEMS THAT DO NOT SURVIVE DURING THE ONE YEAR WARRANTY PERIOD.
6. AFTER PLANTING CONTRACTOR TO FILL WETLAND VIA 8"ø EFFLUENT DISCHARGE PIPE TO NORMAL POOL ELEVATION OF 391.75.
7. SLOPE OF RESTORATION WETLAND BOTTOM TO BE BETWEEN 0.001 AND 0.002 FT/FT.
8. CONTRACTOR TO ROUTE NEARBY SURFACE DRAINAGE FROM SITE UPLANDS TO WETLAND AREA.
9. RETAIN EXCAVATED HYDRIC/WETLAND SOILS AND USE AS MULCH IN THE CREATED WETLAND. STOCKPILE SOIL AND KEEP MOIST UNTIL IT IS PLACED IN THE CREATED WETLAND.

THIS SHEET BY:
GRIGGS & MALONEY INCORPORATED
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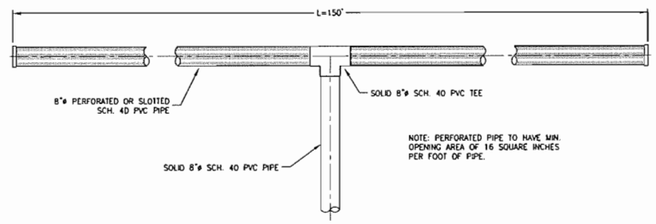
PROPOSED WETLAND SITE PLAN

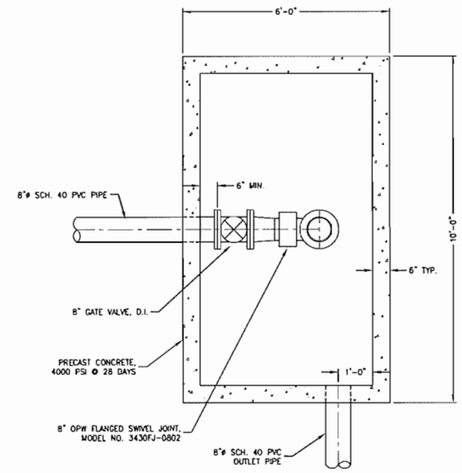
CHEATHAM COUNTY WATER AND WASTEWATER AUTHORITY
Cheatham County, Tennessee

RWM
DSM
RWM
JULY 2013
1" = 40'
07128
1

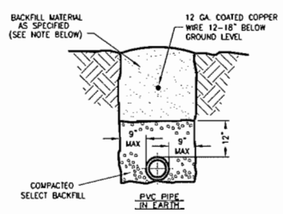
File No. 2012-01077
Public Notice 14-21
Exhibit 4-2,
Wetland Mitigation Details



TYPICAL INLET/OUTLET MANIFOLD
SCALE: NONE



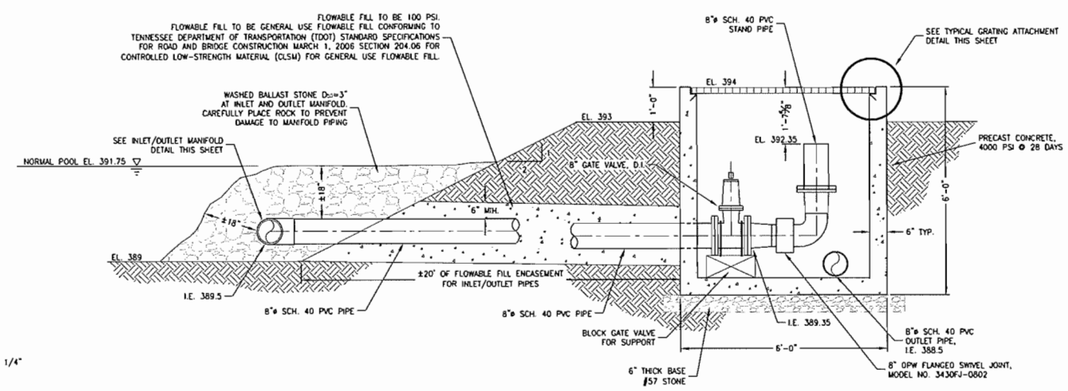
PLAN VIEW
OUTLET CONTROL STRUCTURE
SCALE: 1/2"=1'-0"



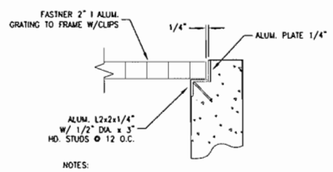
NOTE:

1. IN POTENTIAL WETLAND AREAS AS DESIGNATED ON THE PLANS, THE UPPER 12" OF THE TRENCH SHALL BE BACKFILLED WITH TOPSOIL EXCAVATED FROM THE SAME TRENCH. FINAL TRENCH GRADES SHALL MATCH ADJACENT AREA. EFFORTS SHALL BE MADE TO MINIMIZE DISTURBANCE TO ADJACENT AREAS DURING CONSTRUCTION.

PIPE TRENCH DETAIL
SCALE: NONE



SECTION
OUTLET CONTROL STRUCTURE
SCALE: 1/2"=1'-0"



NOTES:

1. ISOLATE ALL ALUMINUM FROM CONCRETE.

2. GALVANIZED STEEL GRATING, ANGLES, AND PLATE MATERIAL SHALL BE ATTACHED IN THIS MANNER ALSO.

TYPICAL GRATING ATTACHMENT
SCALE: NONE

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PROPOSED WETLAND DETAILS

CHEATHAM COUNTY WATER AND WASTEWATER AUTHORITY
Cheatham County, Tennessee

DESIGN	RWM
DRAWN	DSM
CHECKED	RWM
DATE	JULY 2013
SCALE	1/2"=1'-0"
PROJECT NO.	07128
SHEET	2