STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

March 11, 2010

NCDOT Contracted GeoEnvironmental Firms

Re: **Standard Figure Requirements**

Dear Firm:

In an effort to consistently obtain figures with the level of detail required for our purposes, we have developed a list of items that will be required on all figures from this point forward. Exceptions will be made for projects that do not have design files available and on a case by case basis to be discussed with the project manager prior to submitting a report. Figures that do not meet the minimum requirements will be returned for corrections and these corrections will be reflected in the final project evaluation score. Sample base map figures are enclosed for your reference.

Reference Files
The attached table lists the required design files that should be referenced to your figures. While the design files are required, every level within the file does not need to be displayed. For example, the "dsn" file is required but the level displaying the super elevation can be turned off.

Color or Gray Scale
You will note that one of the enclosed sample figures is color and the other is gray scale. Both are acceptable, and it is up to the Firm to decide how to present the data. However, if you use color, you must map the yellow design elements to black in the Pen Table before you plot.

Symbology
If your plots have what appear to be random letters instead of a design feature, such as a string of Ps where a tree line should be, you are not using the symbology defined in the NCDOT Workspace. The NCDOT Workspace and other useful CADD information can be found on our CADD Services web page: http://www.ncdot.org/doh/CADD/ .

If you have any questions about this policy or need help implementing it please let me know.

Sincerely,

Cyrus F. Parker, LG, PE
GeoEnvironmental Supervisor
Geotechnical Engineering Unit

Enclosure

cc:
GeoEnvironmental Section Project Managers
Mohammed Mulla, PE, Assistant State Geotechnical Engineer

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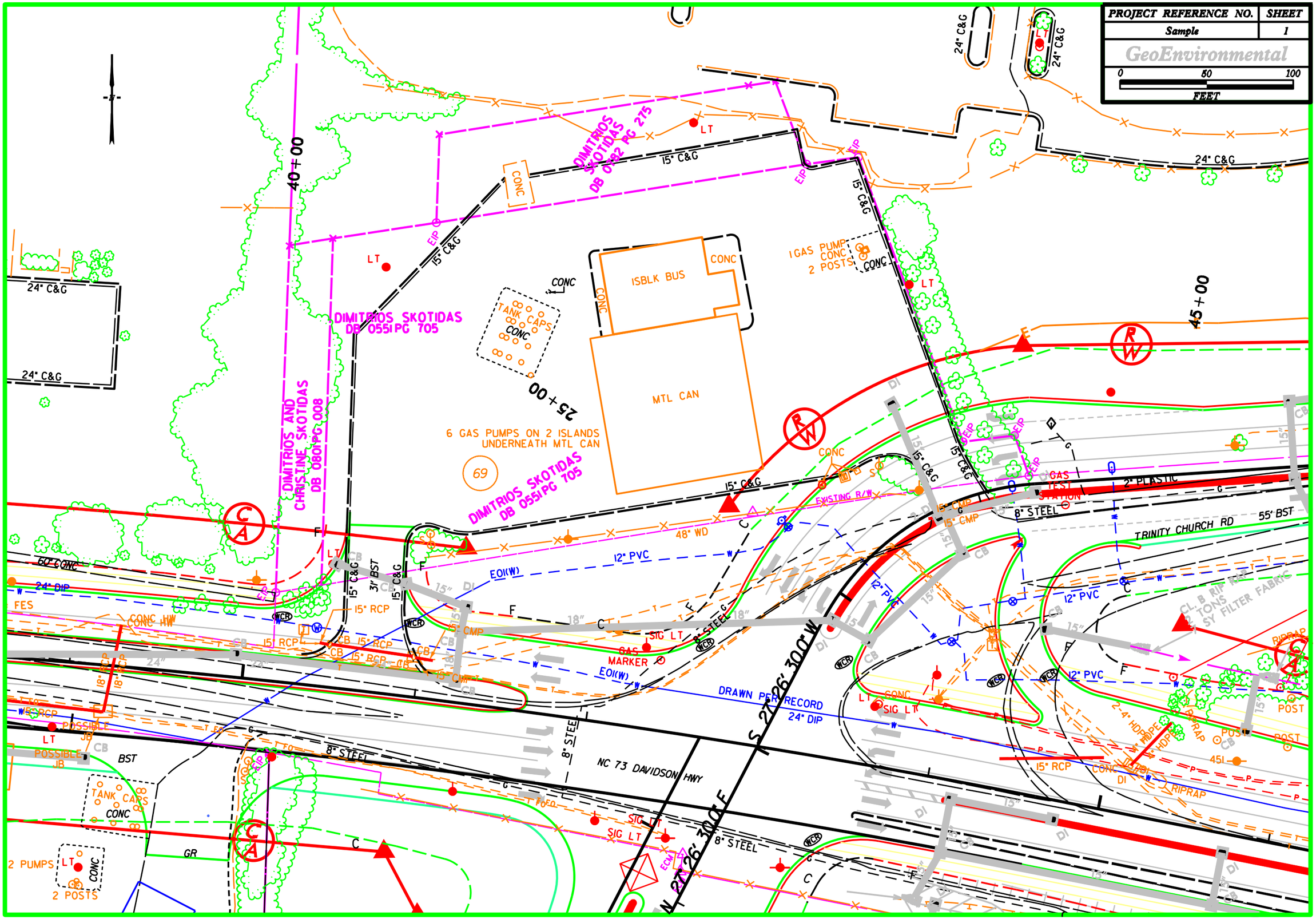
LOCATION:
CENTURY CENTER COMPLEX
BUILDING B
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

Required Reference Files for NCDOT Projects

File	Description	Typical File Name
~~PLN~~ FS	**Existing Planimetrics such as buildings, roads and vegetation**	**~~TIP_LS_PLN.DGN~~** TIP_NCDOT_FS.DGN
PRL	**Existing property boundaries and existing right of way**	**TIP_LS_PRL.DGN**
SUE	**Existing subsurface utilities such as phone, fiber, power**	**TIP_LS_SUE.DGN**
HYL	**Existing drainage**	**TIP_LS_HYL.DGN**
ROW	**Proposed right of way**	**TIP_RDY_ROW.DGN**
DRN	**Proposed drainage**	**TIP_HYD_DRN.DGN**
SS	**Proposed slope stake such as limits of cut and fill slopes**	**TIP_RDY_SS.DGN**
DSN	**Proposed design such as alignment, new edge of pavement and medians**	**TIP_RDY_DSN.DGN**


PROJECT REFERENCE NO.
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Sample
1
GeoEnvironmental
0
50
100
FEET
40+00
45+00
25+00
DIMITRIOS SKOTIDAS
DB 0552 PG 275
DIMITRIOS SKOTIDAS
DB 0551 PG 705
DIMITRIOS AND
CHRISTINE SKOTIDAS
DB 0801 PG 008
ISBLK BUS
MTL CAN
6 GAS PUMPS ON 2 ISLANDS
UNDERNEATH MTL CAN
1 GAS PUMP
2 POSTS
TANK CAPS
CONC
15" C&G
24" C&G
EIP
LT
69
EXISTING R/W
48" WD
12" PVC
EOI(W)
DRAWN PER RECORD
24" DIP
S 27°26' 30.0" W
N 27°26' 30.0" E
NC 73 DAVIDSON HWY
TRINITY CHURCH RD
55' BST
31' BST
8" STEEL
2" PLASTIC
GAS TEST STATION
15" CMP
15" RCP
60" CONC
24" DIP
FES
CONC HW
POSSIBLE
JB
BST
GR
2 PUMPS
2 POSTS
GAS MARKER
SIG LT
CL. B RIP RAP
2 TONS
SY FILTER FABRIC
RIPRAP
POST
2-4" HDPE
4" HDPE
DI
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WCR
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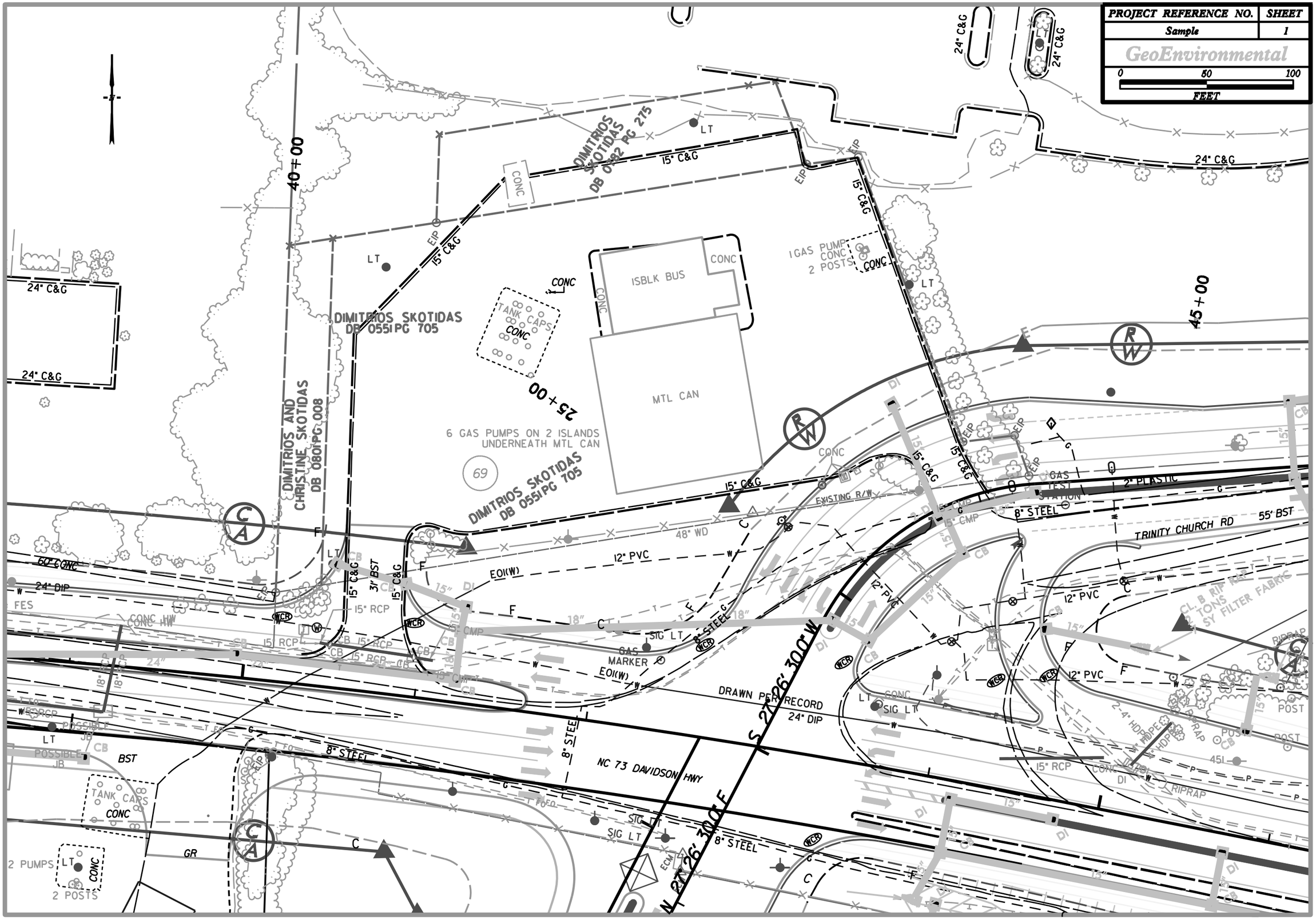
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