

CONCEPT PLAN/ USE ON REVIEW

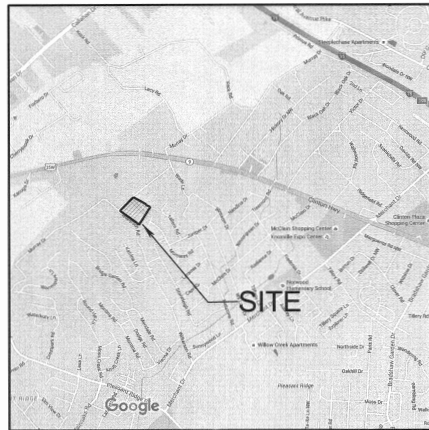
EDITH'S PLACE

0 MURRAY DRIVE, KNOXVILLE, TN
DISTRICT NO. 6
CITY BLOCK 40130

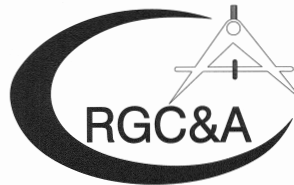
CLT: 068P GROUP C
PARCEL: 015

ENGINEER:
ROBERT G. CAMPBELL
AND ASSOCIATES
7523 TAGGART LANE
KNOXVILLE, TN 37938
PHONE: (865) 947-5996
FAX: (865) 947-7556

DEVELOPER:
TEKCO, LLC
A.J. CANIZALES
7412 OLD MAYNARDVILLE PIKE
KNOXVILLE, TN 37938
PHONE: (865) 388-1996



LOCATION MAP



ROBERT G. CAMPBELL & ASSOCIATES, L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

CERTIFICATION OF CONCEPT PLAN

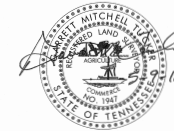
I HEREBY CERTIFY THAT I AM A SURVEYOR, LICENSED TO DO SURVEYING UNDER THE LAWS OF THE STATE OF TENNESSEE. I FURTHER CERTIFY THAT THE PLAN AND ACCOMPANYING DRAWINGS, DOCUMENTS AND STATEMENTS CONFORM TO ALL APPLICABLE PROVISIONS OF THE KNOXVILLE-KNOX COUNTY SUBDIVISION REGULATIONS EXCEPT AS HAS BEEN ITEMIZED AND DESCRIBED IN A REPORT WITH THE METROPOLITAN PLANNING COMMISSION.

Shawn M. Jule
SURVEYOR

TENNESSEE CERTIFICATE NO. 1947

I HEREBY CERTIFY THAT SIGHT DISTANCE OF 300 FEET CAN BE ACHIEVED IN BOTH DIRECTIONS ALONG MURRAY DRIVE FROM THE PROPOSED ENTRANCE

Shawn M. Jule



REVISED: 5/9/2016

5-SC-16-C

5-F-16-UR

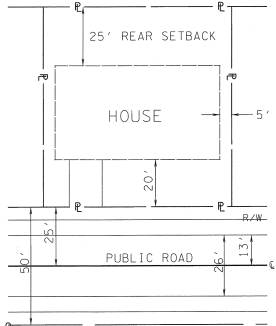
CURVE DATA			
CURVE A-1		CURVE B-1	
PI 10+62.83	PC 10+48.98	PI 22+45.09	PC 22+27.57
PT 10+76.51	Δ 15°46'17"	PT 23+00.73	Δ 9°12'41"
L 27.526	R 100.000	PT 23+00.73	Δ 57°17'45"
L 27.526	L 173.156	L 117.523	
T 13.851			



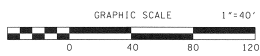
CHURCH STILL WATERS BAPTIST CHURCH
1363 MURRAY DR

PETTY HOLLIS C JR & BARBARA H
1355 MURRAY DR

NOTE: 25' PERIPHERAL SETBACK APPLIES
AROUND SUBDIVISION PERIMETER.
30' PERIPHERAL SETBACK ON MURRAY
DRIVE AND WILKERSON DRIVE.



TYPICAL LOT LAYOUT
(SINGLE FAMILY)



ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

EDITH'S PLACE
CONCEPT PLAN / USE ON REVIEW

GENERAL LAYOUT
PLAN VIEW

DESIGNED BY	CHECKED BY	SCALE	SHEET TWO
CMT	RGC	1" = 40'	NO. 2
DRAWN BY	DATE	FILE NO.	OF FIVE SHEETS
JER	05/09/16	16016	

- NOTES:
- EXCAVATE PERMANENT STORMWATER DETENTION POND IN ADVANCE OF CONSTRUCTION, AND USE AS SEDIMENT BASIN DURING CONSTRUCTION. REMOVE ACCUMULATED SEDIMENT AND INSTALL PERMANENT OUTLET STRUCTURE WHEN THE UPSTREAM DRAINAGE AREA IS STABILIZED.
 - SIGHT DISTANCE OF 300 FT IS AVAILABLE IN EACH DIRECTION ALONG MURRAY DRIVE.
 - EXISTING CONTOURS FROM KGIS.
 - LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES NOT SHOWN. PRIOR TO ANY EXCAVATION, THE OWNER AND/OR CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY AUTHORITIES FOR EXACT LOCATIONS AND DEPTHS.
 - CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY PRACTICES.
 - EROSION CONTROL MEASURES SHOWN ARE A MINIMUM. THE CONTRACTOR IS RESPONSIBLE FOR CONTROL OF EROSION FROM THE PROJECT SITE. ADDITIONAL ITEMS MAY BE REQUIRED.
 - APPLY TEMPORARY SEEDING WHENEVER GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND FINAL GRADING OF EXPOSED SURFACES IS TO BE COMPLETED WITHIN ONE YEAR. APPLY TEMPORARY SEEDING TO SOIL STOCKPILES.
 - APPLY PERMANENT SEEDING WHENEVER GRADING OPERATIONS ARE COMPLETED AND ALL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT SEEDING TO ALL NON-CONSTRUCTION AREAS WHICH SHOW SIGNS OF EXCESSIVE EROSION.
 - ACCESS TO ALL UNITS FROM INTERNAL ROAD SYSTEM ONLY.
 - A 15" SANITARY SEWER EASEMENT EXISTS ALONG SANITARY SEWER LINE, 7.5' EACH SIDE AS INSTALLED.
 - THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION SITE POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.

DEVELOPER:
TEKCO, LLC
A.J. CANIZALES
7412 OLD MAYNARDVILLE PIKE
KNOXVILLE, TN 37938
PHONE: (865) 388-1996

ENGINEER:
ROBERT G. CAMPBELL
AND ASSOCIATES
7523 TACCAT LANE
KNOXVILLE, TN 37938
PHONE: (865) 947-5996
FAX: (865) 947-7556



VARIANCES:

- REDUCE LENGTH OF VERTICAL CURVE ON ROAD "A" @ STA 10+60 FROM 150' TO 120'.
- REDUCE LENGTH OF VERTICAL CURVE ON ROAD B @ STA 20+50 FROM 105' TO 100'.
- INCREASE MAXIMUM GRADE OF ROAD "A" FROM 12% TO 13%.
- DECREASE MINIMUM RADIUS AT INTERSECTION OF ROAD "A" AND ROAD "B" FROM 75' TO 25'.

CLT MAP: 68P GROUP C
PARCEL: 15
DEED REFERENCE: 20130619-0083951
TOTAL AREA: 6.46 ACRES
NUMBER OF LOTS: 22
PROPERTY ZONED: RP-1

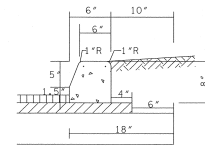
REVISED: 5/9/2016

MPC FILE NUMBER: 5-SC-15-C
5-F-15-UR

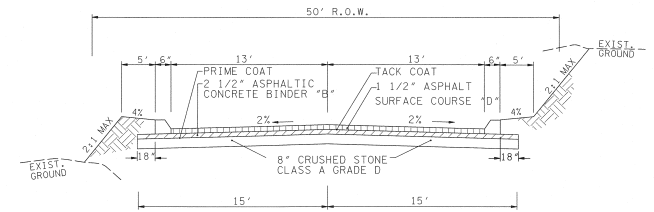
REVISED: 5/9/2016

5-SC-16-C

5-F-16-UR



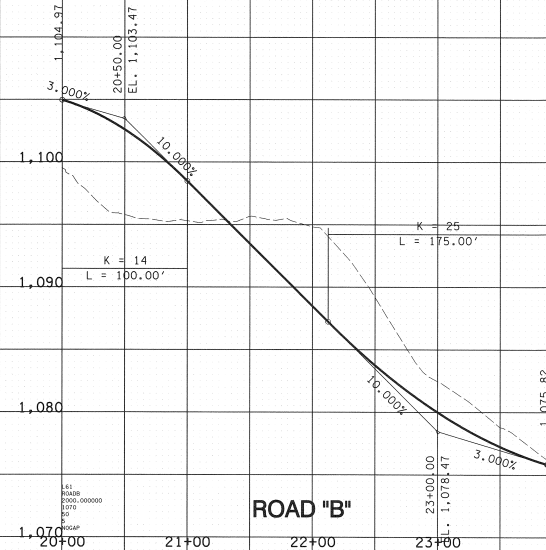
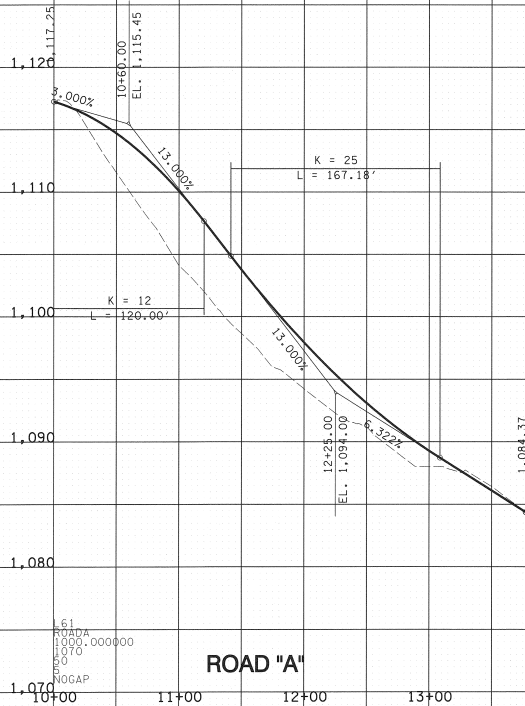
STANDARD DETAIL 6\"/>



TYPICAL 2 LANE STREET
PUBLIC ROADS

BORROW MATERIALS TO BE USED FOR FILL SHALL BE TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO PLACEMENT OF FILL.

FILL SOILS SHALL BE COMPACTED IN LAYERS 8 INCHES OR LESS IN THICKNESS TO A MINIMUM OF 98 PERCENT STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN PLUS OR MINUS 3 PERCENT OPTIMUM MOISTURE CONTENT. NO LESS THAN SIX (6) DENSITY TESTS SHALL BE PERFORMED IN EVERY 10,000 SQUARE FEET OF AREA PER 8 INCH LIFT. (APPROX. 1 TEST PER EVERY 50 SQ. FT.)



NO.	DATE	DESCRIPTION	BY	CHK.



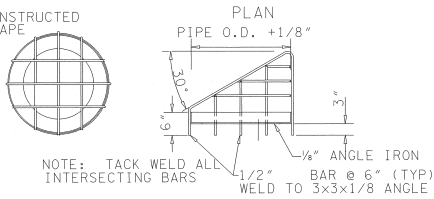
ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

EDITH'S PLACE
CONCEPT PLAN / USE ON REVIEW

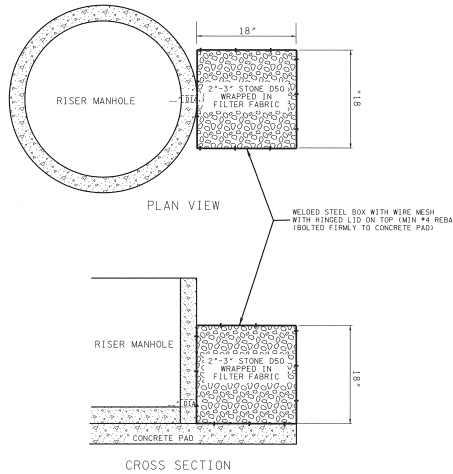
ROAD PROFILES

DESIGNED BY	CHECKED BY	SCALE	SHEET THREE
GMT	RGC	1"=50' HORIZ. 1"=5' VERT.	NO. 3
DRAWN BY	DATE	FILE NO.	OF FIVE SHEETS
JER	05/09/16	16016	

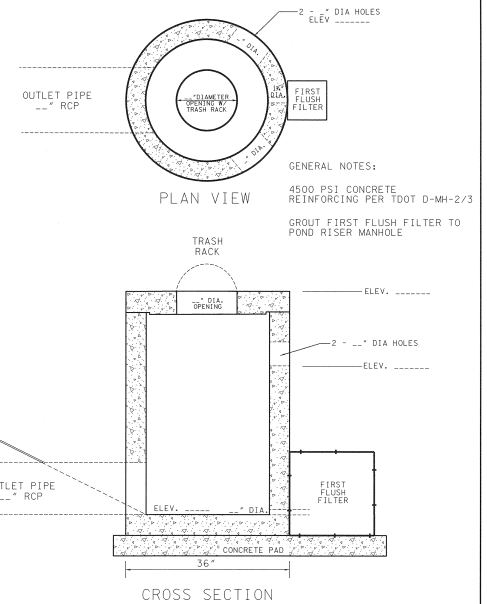
MAY ALSO BE CONSTRUCTED
WITH SQUARE SHAPE



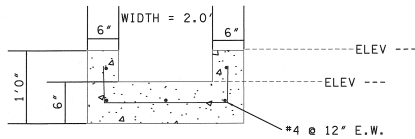
SECTION
TRASH GRATE DETAIL



FIRST FLUSH FILTER DETAIL
WELDED STEEL CAGE



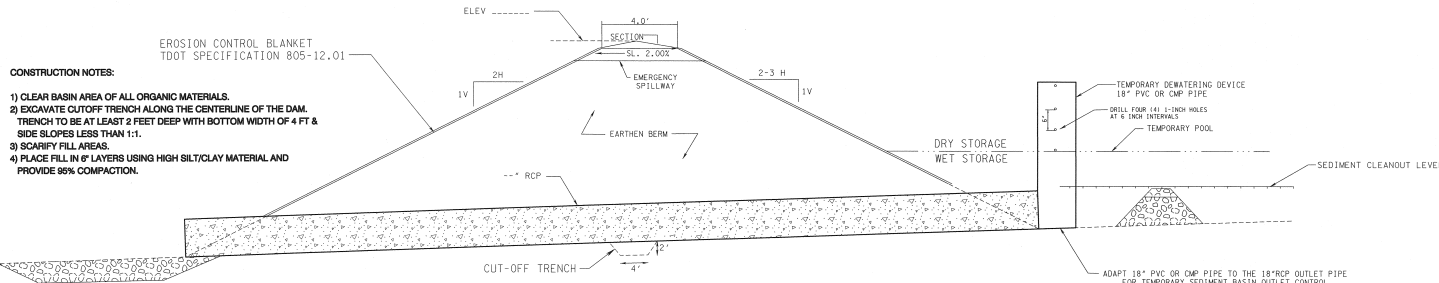
RISER DETAIL
STANDARD PRE-CAST MANHOLE
OR CONCRETE BLOCK BOX



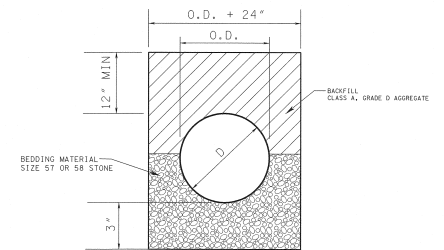
SECTION
EMERGENCY SPILLWAY

NOTES:

- 1) INSTALL POND AS FIRST ITEM OF CONSTRUCTION. SEED & STABILIZE IMMEDIATELY UPON COMPLETION OF GRAZING.
- 2) ADAPT AND CONNECT TEMPORARY 18" PVC DEWATERING PIPE TO OUTLET PIPE AND DRILL HOLES FOR OUTLET CONTROL DURING USE AS TEMPORARY SEDIMENT BASIN.
- 3) REMOVE ACCUMULATED SEDIMENT AND DEWATERING PIPE WHEN ALL UPSTREAM AREAS ARE STABILIZED.
- 4) CONSTRUCT AND/OR INSTALL FINAL OUTLET STRUCTURE INCLUDING RISER, FIRST FLUSH FILTER, AND TRASH RACK.
- 5) POND WILL REMAIN FOR PERMANENT STORM WATER DETENTION.



DETENTION POND / TEMPORARY SEDIMENT BASIN
TYPICAL CROSS-SECTION



NOTES:

1. NO SIDEWALKS OR PAVEMENT SECTIONS TO BE CUT.
2. BACKFILL SHALL BE COMPACTED, AND BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF KNOXVILLE TECHNICAL SPECIFICATIONS FOR STORM SEWERS AND PIPE CULVERTS, SECTION 20.0

PIPE BEDDING DETAIL

NO SCALE				
NO.	DATE	DESCRIPTION	BY	CHKD.
REVISIONS				

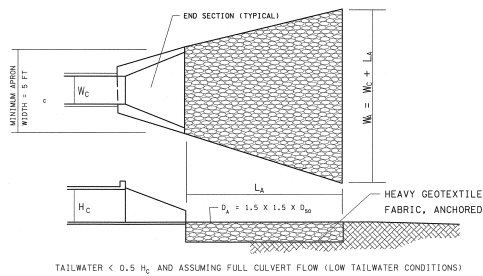


ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

EDITH'S PLACE
CONCEPT PLAN / USE ON REVIEW

DETAILS

DESIGNED BY	CHECKED BY	SCALE	SHEET FOUR
GMT	RGC	NO SCALE	NO. 4
DRAWN BY	DATE	FILE NO.	OF FIVE SHEETS
JER	05/09/16	16016	



18" PIPE

L_A 14'

W_A 16'

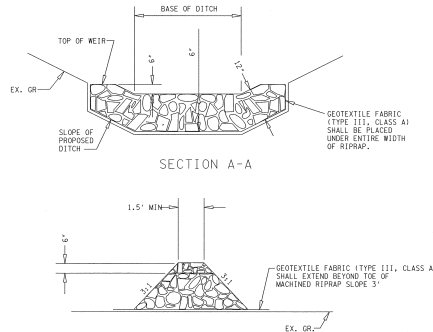
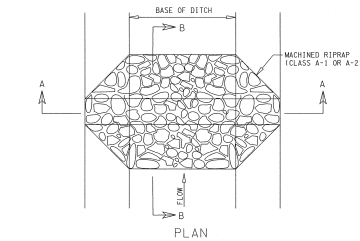
D_A 14"

D₅₀ 6"

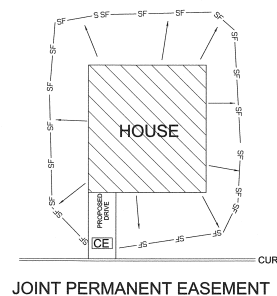
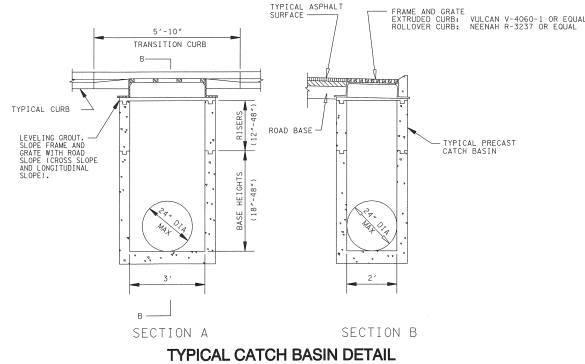
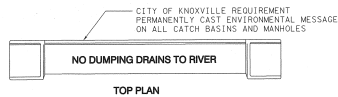
D_{MAX} 9"

H_c = HEIGHT OF CULVERT
W_c = WIDTH OF CULVERT
L_a = LENGTH OF RIPRAP APRON
W_a = WIDTH OF RIPRAP APRON AT END
D₅₀ = MEDIAN RIPRAP SIZE (TABLE ES-25-1)
D_{max} = MAXIMUM SIZE OF RIPRAP = 1.5 D₅₀
D_a = DEPTH OF RIPRAP APPROX 1.5 D

RIPRAP OUTLET PROTECTION

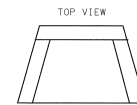


ROCK DAM DETAIL



GRAVEL CONSTRUCTION EXIT TO EACH BUILDING SITE
INSTALL SILT FENCE AND/OR HAY BALES ALONG LOWER SIDES OF LOT
EXTEND PIPES FROM GUTTER DOWNSPOUTS TO STABILIZED AREA UNTIL YARD AREAS ARE STABILIZED
EXCAVATE BUMPS AS NECESSARY TO COLLECT EXCESS SEDIMENT

TYPICAL BUILDING

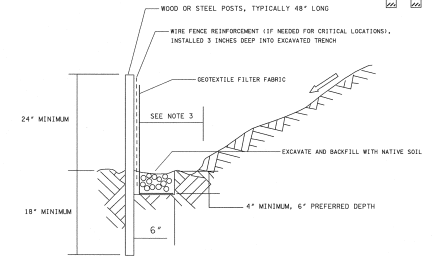
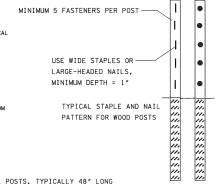


NOTES:
1. MINIMUM REINFORCING WIRE REINFORCEMENT 4 x 4 W7 x W7
2. SHERMAN DIXIE PRECAST HEADWALL, DRAWING ET-001 OR EQUAL

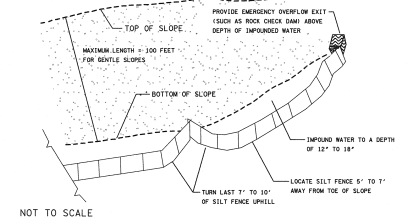
ENDWALL DETAIL

NOTES:

- POST SPACING SHALL BE 8 FEET MAXIMUM FOR TYPICAL APPLICATIONS AT THE BOTTOM OF SLOPES OR ALONG SITE PERIMETER.
- POST SPACING SHALL BE 6 FEET MAXIMUM AT THE BOTTOM OF STEEP SLOPES. POST SPACING SHALL BE 4 FEET MAXIMUM WITHIN A DRAINAGE CHANNEL.
- PLACE SILT FENCE AT LEAST 8 TO 1 FEET AWAY FROM STEEP OR LONG SLOPES TO IMPOUND STORMWATER RUNOFF. SEE FIGURE ES-14-3.



TYPICAL SILT FENCE INSTALLATION

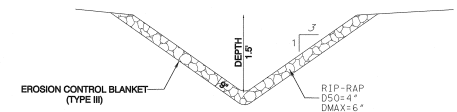


SILT FENCE (BELOW A STEEP OR LONG SLOPE)

REVISED: 5/9/2016

5-SC-16-C

5-F-16-UR



RIP-RAP SWALE TYPICAL DETAIL

NO SCALE			
NO.	DATE	DESCRIPTION	BY
REVISIONS			



ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

EDITH'S PLACE
CONCEPT PLAN / USE ON REVIEW

DETAILS

DESIGNED BY GMT	CHECKED BY RGC	SCALE NO SCALE	SHEET FIVE NO. 5 OF FIVE SHEETS
DRAWN BY JER	DATE 05/09/16	FILE NO. 16016	