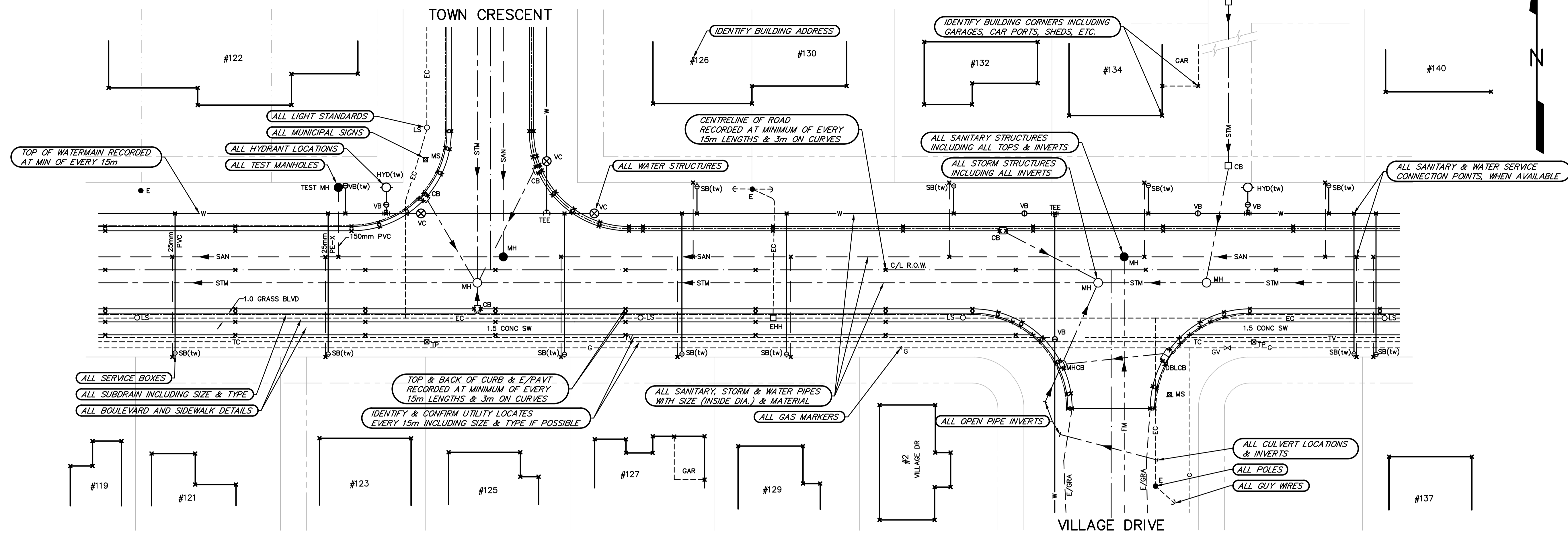


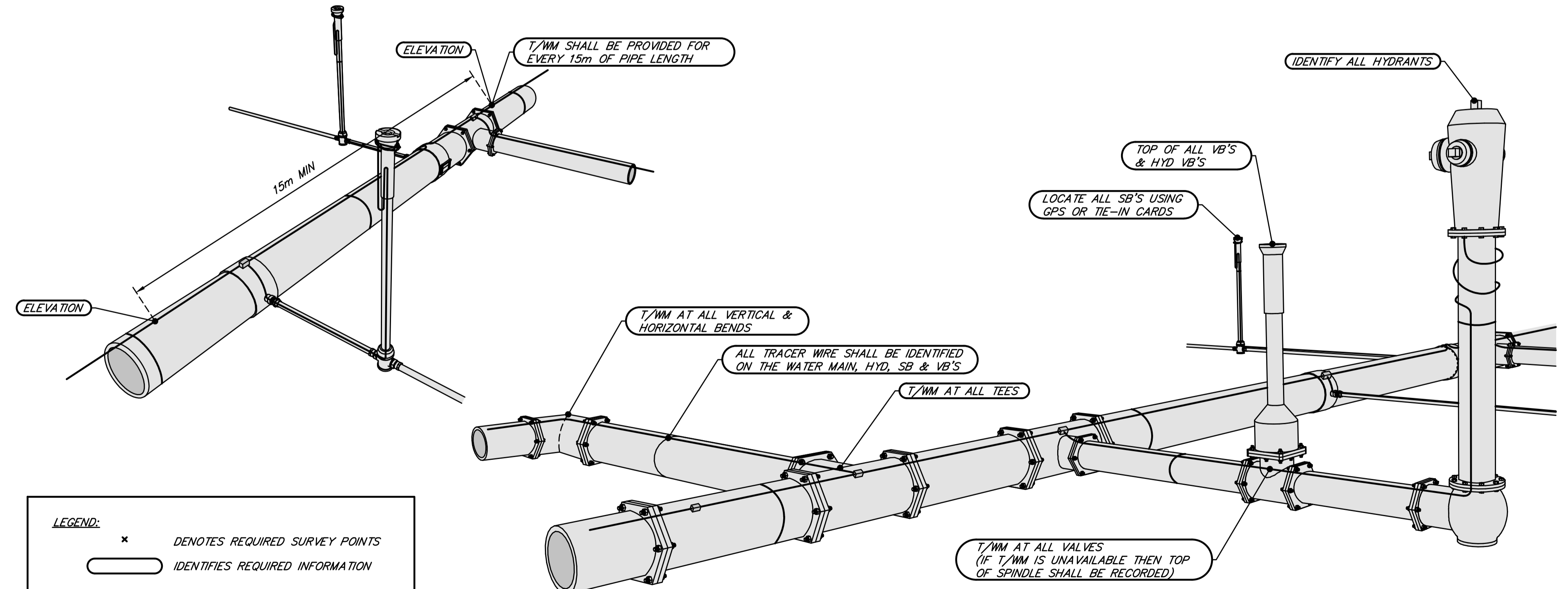
DWG NAME / FILE NO.: C6549-1 (OF 1) SUDBURY EXAMPLE DRAWING
 5. All sanitary sewer connections are 100mm PVC DR22B
 6. All sanitary and storm sewer elevations are inverts unless otherwise noted.
 NOTES:
 1. All digital surveys are to be collected in reference to NAD83CRS using CGS's MTR 81 MAP PROJECTION. ADDITIONAL DETAILS & NECESSARY FILES CAN BE FOUND AT WWW.GREATERSUDBURY.CA
 2. ALL DIGITAL SURVEYS ARE TO BE SUBMITTED IN CAD (.dwg) FORMAT WITH ACCOMPANYING TEXT FILES CONTAINING ALL SURVEYED POINTS WITH DETAILS INCLUDING UNIQUE POINT NUMBER, DESCRIPTOR, & X, Y, Z, COORDINATES.
 3. THE CURRENT CGS MASTER FIELD CODE LIBRARY SHALL BE USED FOR POINT IDENTIFICATION. THIS IS LOCATED ON THE CGS WEBSITE.
 4. ALL SURVEYED POINTS COLLECTED BY HAND SHALL BE RECORDED IN A FIELD NOTES BOOKLET & SHALL INCLUDE STATION & OFFSETS FROM C/L OF R.O.W.
 5. FIELD NOTES SHALL BE SUBMITTED ALONG WITH THE SURVEY. SURVEY POINTS SHALL BE CLEARLY NOTED AS TO THEIR REFERENCE ORIGIN. ALL SWING TIES & TRIANGULATED MEASUREMENTS SHALL REFERENCE KNOWN POINTS OF ORIGIN IDENTIFIED ON THE PLAN OR WITHIN THE FIELD NOTES BOOKLET.
 6. ALL PIPE LINING AND CASINGS SHALL BE IDENTIFIED. (LENGTH, PIPE DIAMETER & MATERIAL)
 7. FOR A TYPICAL RURAL ROAD PROJECT THAT SPANS OVER 1KM, PIPE AND ROAD SURVEY POINT INTERVALS CAN BE WIDENED FOR EFFICIENCY. REVISED INTERVAL MUST BE APPROVED BY THE CITY.
 8. INCLUDE ALL DETAIL TO THE FACE OF BUILDING OR 15M BEYOND THE LIMIT OF R.O.W. WHICHEVER IS ENCOUNTERED FIRST. FOR ASBUILT DRAWINGS THE DETAIL GATHERED SHOULD BE PICKED UP AS PER OUR ASBUILT SURVEY REQUIREMENTS WHICH ELIMINATE THE PRIVATE PROPERTY DETAIL, DRIVEWAYS, DRIVEWAY CULVERTS, ETC. COMMERCIAL PROPERTY ENTRANCES & CURB RETURNS ARE HOWEVER REQUIRED. BUILDING LOCATIONS ARE REQUIRED UP TO 30m BEYOND LIMIT OF R.O.W.
 9. ALL STRUCTURE INVERTS & CULVERT INVERTS (ROAD ONLY) SHALL BE RECORDED.
 10. SURVEY POINTS ARE NOT REQUIRED IF THE DATA ALREADY EXISTS IN CAD FORMAT AND IT REMAINS UNCHANGED POST-CONSTRUCTION.
 11. INVERTS ON ALL STRUCTURES UPSTREAM OR DOWNSTREAM FROM THE PROJECT LIMITS INCLUDING SIDE STREETS.
 12. ALL TOP ELEVATIONS TO BE NOTED WHERE POSSIBLE.
 13. WHERE INVERTS CANNOT BE OBTAINED, OBVERTS SHALL BE RECORDED INCLUDING PIPE SIZES IN ORDER TO CALCULATE THE INVERT.
 14. REFERENCE TO THE EXAMPLE ASBUILT DRAWING FOR A SAMPLE OF THE FINAL PRODUCT.
 15. ANY EXPOSED UTILITIES OR MARKED BURIED UTILITIES SHALL BE SURVEYED AT 15m MIN WHERE POSSIBLE.
 16. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH CONTRACT DOCUMENTS AND OTHER CGS REFERENCE MATERIAL AVAILABLE ON THE CGS WEBSITE. ADDITIONAL DETAIL CONCERNING THE COLLECTION OF CONSTRUCTION RECORD DATA CAN BE FOUND IN DIVISION #3 OF THE SPECIAL PROVISIONS WITHIN THE CONTRACT DOCUMENT SPECIFICATIONS.
 17. CONTRACTOR SHALL SEEK PERMISSION FROM HOMEOWNER FOR ANY SURVEY WORK PERFORMED ON PRIVATE PROPERTY.

EXAMPLE STREET (MRXX)



GENERAL NOTES:

1. ALL DIGITAL SURVEYS ARE TO BE COLLECTED IN REFERENCE TO NAD83CRS USING CGS'S MTR 81 MAP PROJECTION. ADDITIONAL DETAILS & NECESSARY FILES CAN BE FOUND AT WWW.GREATERSUDBURY.CA
2. ALL DIGITAL SURVEYS ARE TO BE SUBMITTED IN CAD (.dwg) FORMAT WITH ACCOMPANYING TEXT FILES CONTAINING ALL SURVEYED POINTS WITH DETAILS INCLUDING UNIQUE POINT NUMBER, DESCRIPTOR, & X, Y, Z, COORDINATES.
3. THE CURRENT CGS MASTER FIELD CODE LIBRARY SHALL BE USED FOR POINT IDENTIFICATION. THIS IS LOCATED ON THE CGS WEBSITE.
4. ALL SURVEYED POINTS COLLECTED BY HAND SHALL BE RECORDED IN A FIELD NOTES BOOKLET & SHALL INCLUDE STATION & OFFSETS FROM C/L OF R.O.W.
5. FIELD NOTES SHALL BE SUBMITTED ALONG WITH THE SURVEY. SURVEY POINTS SHALL BE CLEARLY NOTED AS TO THEIR REFERENCE ORIGIN. ALL SWING TIES & TRIANGULATED MEASUREMENTS SHALL REFERENCE KNOWN POINTS OF ORIGIN IDENTIFIED ON THE PLAN OR WITHIN THE FIELD NOTES BOOKLET.
6. ALL PIPE LINING AND CASINGS SHALL BE IDENTIFIED. (LENGTH, PIPE DIAMETER & MATERIAL)
7. FOR A TYPICAL RURAL ROAD PROJECT THAT SPANS OVER 1KM, PIPE AND ROAD SURVEY POINT INTERVALS CAN BE WIDENED FOR EFFICIENCY. REVISED INTERVAL MUST BE APPROVED BY THE CITY.
8. INCLUDE ALL DETAIL TO THE FACE OF BUILDING OR 15M BEYOND THE LIMIT OF R.O.W. WHICHEVER IS ENCOUNTERED FIRST. FOR ASBUILT DRAWINGS THE DETAIL GATHERED SHOULD BE PICKED UP AS PER OUR ASBUILT SURVEY REQUIREMENTS WHICH ELIMINATE THE PRIVATE PROPERTY DETAIL, DRIVEWAYS, DRIVEWAY CULVERTS, ETC. COMMERCIAL PROPERTY ENTRANCES & CURB RETURNS ARE HOWEVER REQUIRED. BUILDING LOCATIONS ARE REQUIRED UP TO 30m BEYOND LIMIT OF R.O.W.
9. ALL STRUCTURE INVERTS & CULVERT INVERTS (ROAD ONLY) SHALL BE RECORDED.
10. SURVEY POINTS ARE NOT REQUIRED IF THE DATA ALREADY EXISTS IN CAD FORMAT AND IT REMAINS UNCHANGED POST-CONSTRUCTION.
11. INVERTS ON ALL STRUCTURES UPSTREAM OR DOWNSTREAM FROM THE PROJECT LIMITS INCLUDING SIDE STREETS.
12. ALL TOP ELEVATIONS TO BE NOTED WHERE POSSIBLE.
13. WHERE INVERTS CANNOT BE OBTAINED, OBVERTS SHALL BE RECORDED INCLUDING PIPE SIZES IN ORDER TO CALCULATE THE INVERT.
14. REFERENCE TO THE EXAMPLE ASBUILT DRAWING FOR A SAMPLE OF THE FINAL PRODUCT.
15. ANY EXPOSED UTILITIES OR MARKED BURIED UTILITIES SHALL BE SURVEYED AT 15m MIN WHERE POSSIBLE.
16. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH CONTRACT DOCUMENTS AND OTHER CGS REFERENCE MATERIAL AVAILABLE ON THE CGS WEBSITE. ADDITIONAL DETAIL CONCERNING THE COLLECTION OF CONSTRUCTION RECORD DATA CAN BE FOUND IN DIVISION #3 OF THE SPECIAL PROVISIONS WITHIN THE CONTRACT DOCUMENT SPECIFICATIONS.
17. CONTRACTOR SHALL SEEK PERMISSION FROM HOMEOWNER FOR ANY SURVEY WORK PERFORMED ON PRIVATE PROPERTY.



LEGEND:

✱ DENOTES REQUIRED SURVEY POINTS

○ IDENTIFIES REQUIRED INFORMATION

REVISIONS		
DATE	DETAILS	BY

CAUTION

- ALL UTILITIES ARE NOT NECESSARILY SHOWN ON THIS DRAWING.
- WHERE UTILITIES ARE SHOWN, LOCATIONS ARE NOT GUARANTEED
- LOCATION & SIZE OF ALL UTILITIES MUST BE VERIFIED IN THE FIELD.

DATE: 2017-02-03
 DRAWN: SAG / BWK
 DESIGNED:
 CHECKED:
 ENGINEER:
 APPROVED:



**EXAMPLE AS BUILT
 DATA COLLECTION REQUIREMENTS**

*A VISUAL GUIDE FOR AS BUILT
 SURVEYS & PRODUCTION*

SCALE: N.T.S.
 CONTRACT NO.: N/A
 CAD/FILE NUMBER: C6549-1
 PAGE NO.: **1** of 1