

CANADIAN COAST GUARD BASE

SEPTIC SYSTEM

Stephenville, NL

CLIENT:

DEPARTMENT OF FISHERIES AND OCEANS

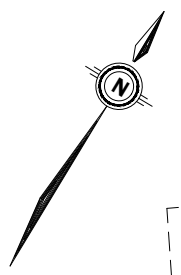


DRAWING LIST

C1	-	SITE SERVICING PLAN
D1	-	CONSTRUCTION PROFILES AND DETAILS

Project No. 15021

AUGUST 2015



LEGEND:

- PROPERTY BOUNDARY
- 0000.00 FINISHED ASPHALT
- 000.00 EXISTING GROUND SPOT ELEVATIONS
- ⊙ EX. STORM MANHOLE
- ⊠ EX. CATCHBASIN
- EX. SANITARY MANHOLE
- ◇ EX. WATER VALVE
- EX. HYDRANT
- EX. HYDRO POLE
- EX. STORM SEWER
- EX. SANITARY SEWER
- NEW SANITARY SEWER
- NEW SANITARY MANHOLE
- NEW LINE VALVE
- NEW HYDRANT
- NEW INCREASER / REDUCER
- EX. BOLLARD
- ▽ EX. OVERHEAD DOOR
- ▽ EX. ENTRANCE LOCATION
- EX. BOLLARD LOCATION
- EXISTING FENCE
- EXISTING OVERHEAD WIRES
- LIMITS OF WORK

NOTES

18. WHERE 12m COVER CANNOT BE ACHIEVED, OVER EXCAVATE FULL TRENCH WITH 1.0m AND BACKFILL WITH NON-FROST SUSCEPTIBLE 100mm MINUS CRUSHED ROCKFILL COMPACTED IN 300mm LIFTS TO 100% STANDARD PROCTOR DENSITY.
19. SECONDARY SEWAGE TREATMENT PLANT TO ADHERE TO GOVERNMENT OF NEWFOUNDLAND AND LABRADOR DEPARTMENT OF ENVIRONMENT AND CONSERVATION WATER RESOURCES MANAGEMENT DIVISION GUIDELINES OF THE DESIGN, CONSTRUCTION, AND OPERATION OF WATER AND SEWERAGE SYSTEMS. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND ADVISE OWNERS REPRESENTATIVE OF ANY CHANGE OF INVERT ELEVATIONS OF INLET AND OUTLET.

NOTES

1. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE GOVERNMENT OF NEWFOUNDLAND AND LABRADOR MUNICIPAL WATER, SEWER, AND ROAD SPECIFICATIONS BOOK.
2. ALL MEASUREMENTS ARE HORIZONTAL. GROUND DISTANCES IN METERS AND REFERENCED TO NAD83 DATUM.
3. REMOVE AND DISPOSE OF EXISTING ASPHALT (AS HATCHED) OFF SITE.
4. ALL DISTURBED AREAS IN EXISTING PAVED LOTS TO BE REINSTATED. ENSURE REINSTATED PAVEMENT STRUCTURE CONSISTS OF 100mm CLASS 'A' AND 50mm ASPHALT. BLEND IN WITH EXISTING.
5. DRAINAGE TRENCH CROSS SECTION TO BE CONSTRUCTED AS PER THE PRIVATE SEWAGE DISPOSAL AND WATER SUPPLY STANDARDS OF NEWFOUNDLAND AND LABRADOR.
6. TOPOGRAPHIC SURVEY OF AUGUST 2015 BY R. DAVIS SURVEYS LTD.
7. CONTRACTOR / SURVEYOR TO LOCATE NEW INFRASTRUCTURE USING COORDINATES. DIMENSIONS SHOWN ARE FOR INFORMATION PURPOSES ONLY.
8. CONTRACTOR RESPONSIBLE TO SECURE SITE DURING CONSTRUCTION FOR PUBLIC SAFETY.
9. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS ON SITE BEFORE PROCEEDING WITH THIS WORK.
10. DO NOT SCALE FROM DRAWINGS.
11. ALL DISTURBED AREAS BEYOND LIMITS OF WORK TO BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.
12. INSTALL GRANULARS, ASPHALT & CURB IN ACCORDANCE WITH THE GOVERNMENT OF NEWFOUNDLAND AND LABRADOR MUNICIPAL WATER, SEWER, AND ROAD SPECIFICATIONS.
13. ALL DIMENSIONS, PIPE SIZES AND INVERT ELEVATIONS OF EXISTING INFRASTRUCTURE TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
14. PRIOR TO COMMENCEMENT OF NEW UNDERGROUND INFRASTRUCTURE EXCAVATE EX. PIPES WHERE NEW PIPES ARE TO CROSS TO CONFIRM ELEVATION OF EX. PIPES. ADVISE ENGINEER OF ANY CONFLICTS.
15. MANHOLE SIZE SHOW TO BE CONFIRMED BY MANHOLE SUPPLIER. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR MANHOLE + SECONDARY SEWAGE TREATMENT PLANT. SHOP DRAWINGS SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEWFOUNDLAND AND LABRADOR.
16. BED SANITARY SEWER IN CLASS 'B' BEDDING.
17. CONSTRUCT, TEST, AND INSPECT SANITARY SEWER IN ACCORDANCE WITH THE GOVERNMENT OF NEWFOUNDLAND AND LABRADOR MUNICIPAL WATER, SEWER, AND ROAD SPECIFICATIONS.

4	ISSUED FOR ADDENDUM No. 2	11/12/15
3	ISSUED FOR ADDENDUM No. 1	10/30/15
2	ISSUED FOR TENDER	09/24/15
NO.	REVISIONS	DATE

PROFESSIONAL STAMP

PROVINCE OF NEWFOUNDLAND
 PERMIT HOLDER
 Class "A"
 This Permit Allows
PINNACLE ENGINEERING LIMITED
 To practice Professional Engineering in Newfoundland and Labrador.
 Permit No. as issued by PEGNL L0331
 which is valid for the year 2015.

CLIENT
DEPARTMENT OF FISHERIES AND OCEANS

PROJECT TITLE
CANADIAN COAST GUARD BASE STEPHENVILLE SEPTIC SYSTEM

SHEET TITLE
SITE SERVICING PLAN

PROJECT NO.
15021

DRAWN BY
 BERP

CHECKED BY
 KHH

DATE
 AUGUST 2015

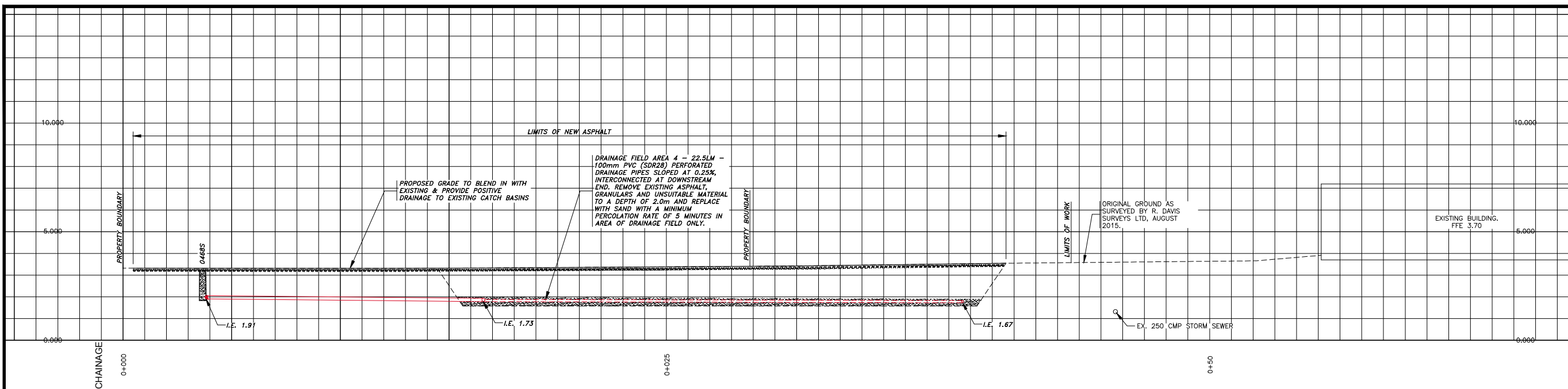
DRAWING NO.
C1

SCALE
 1 : 600



TOWN OF STEPHENVILLE
 PROPERTY

- NOTES
1. CONTRACTOR RESPONSIBLE FOR LOCATING EXISTING UNDERGROUND INFRASTRUCTURE (IE. TELEPHONE, CABLE, POWER LINES, ETC.) BEFORE PROCEEDING WITH THIS WORK.
 2. INSTALLATION OF SECONDARY SEWAGE TREATMENT PLANT IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. PROTECT PLANT AGAINST FLOTATION.
 3. SECONDARY SEWAGE TREATMENT PLANT TO ADHERE TO GOVERNMENT OF NEWFOUNDLAND AND LABRADOR DEPARTMENT OF ENVIRONMENT AND CONSERVATION WATER RESOURCES MANAGEMENT DIVISION GUIDELINES OF THE DESIGN, CONSTRUCTION, AND OPERATION OF WATER AND SEWERAGE SYSTEMS. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND ADVISE OWNER'S REPRESENTATIVE OF ANY CHANGE OF INVERT ELEVATIONS OF INLET AND OUTLET.



SITE PROFILE
SCALE: 1:200

NO.	REVISIONS	DATE
4	ISSUED FOR ADDENDUM No. 2	12/10/15
3	ISSUED FOR ADDENDUM No. 1	10/30/15
2	ISSUED FOR TENDER	09/24/15
1	ISSUED FOR 99% REVIEW	09/21/15
0	ISSUED FOR 66% REVIEW	09/09/15

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SHEET TITLE
CONSTRUCTION PROFILES AND DETAILS

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15021

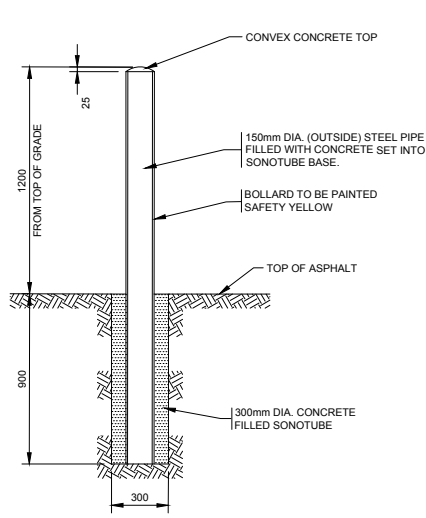
DRAWN BY
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KHH

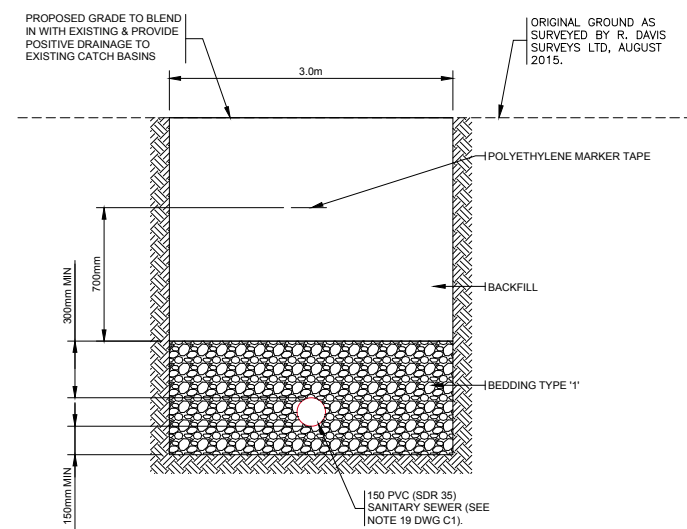
DATE
AUGUST 2015

DRAWING NO.
D1

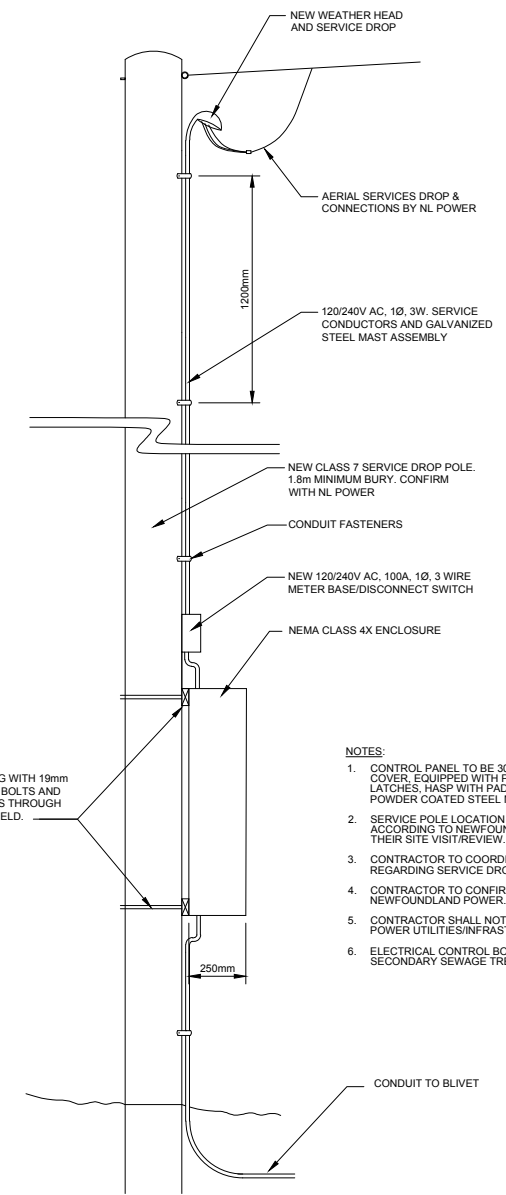
SCALE
AS NOTED



PROTECTION BOLLARD
SCALE: 1:40

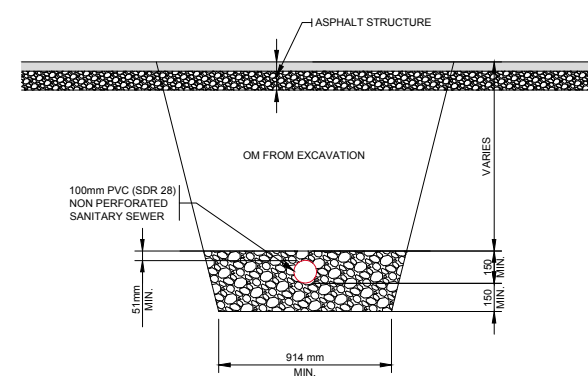


EXCAVATION CROSS-SECTION
SCALE: N.T.S.



MANUFACTURERS SERVICE POLE DETAIL
SCALE: 1:40

- NOTES:
1. CONTROL PANEL TO BE 304 STAINLESS STEEL WITH GASKETED COVER, EQUIPPED WITH PIANO TYPE HINGES, 3-14 TURN LATCHES, HASP WITH PADLOCK, AND POLYESTER EPOXY POWDER COATED STEEL MOUNTING BACK PANEL.
 2. SERVICE POLE LOCATION MAY BE ALTERED IN FIELD ACCORDING TO NEWFOUNDLAND POWER STIPULATIONS DURING THEIR SITE VISIT/REVIEW.
 3. CONTRACTOR TO COORDINATE WITH NEWFOUNDLAND POWER REGARDING SERVICE DROP TO NEW SERVICE POLE.
 4. CONTRACTOR TO CONFIRM SERVICE POLE HEIGHT WITH NEWFOUNDLAND POWER.
 5. CONTRACTOR SHALL NOT CONNECT TO NEWFOUNDLAND POWER UTILITIES/INFRASTRUCTURE.
 6. ELECTRICAL CONTROL BOX PROVIDED WITH BL-1000, SECONDARY SEWAGE TREATMENT PLANT.



ABSORPTION TRENCH CROSS-SECTION
SCALE: 1:40

