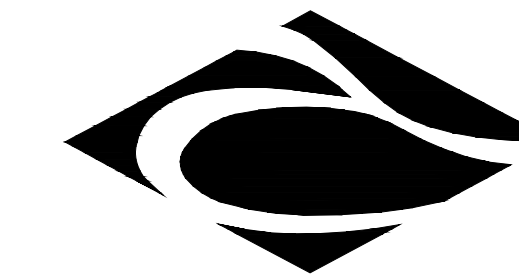




CLIENT:



PRIME CONSULTANT:



100 LEMARCHANT RD.
ST. JOHN'S, NL
CANADA A1C 2H2

TRACT

TEL (709) 738-2500
FAX (709) 738-2499

CIVIL CONSULTANT:



PROJECT TITLE:

**HEALTH SCIENCES CENTRE
FLOOD PROTECTION BERM**

DRAWINGS LIST:

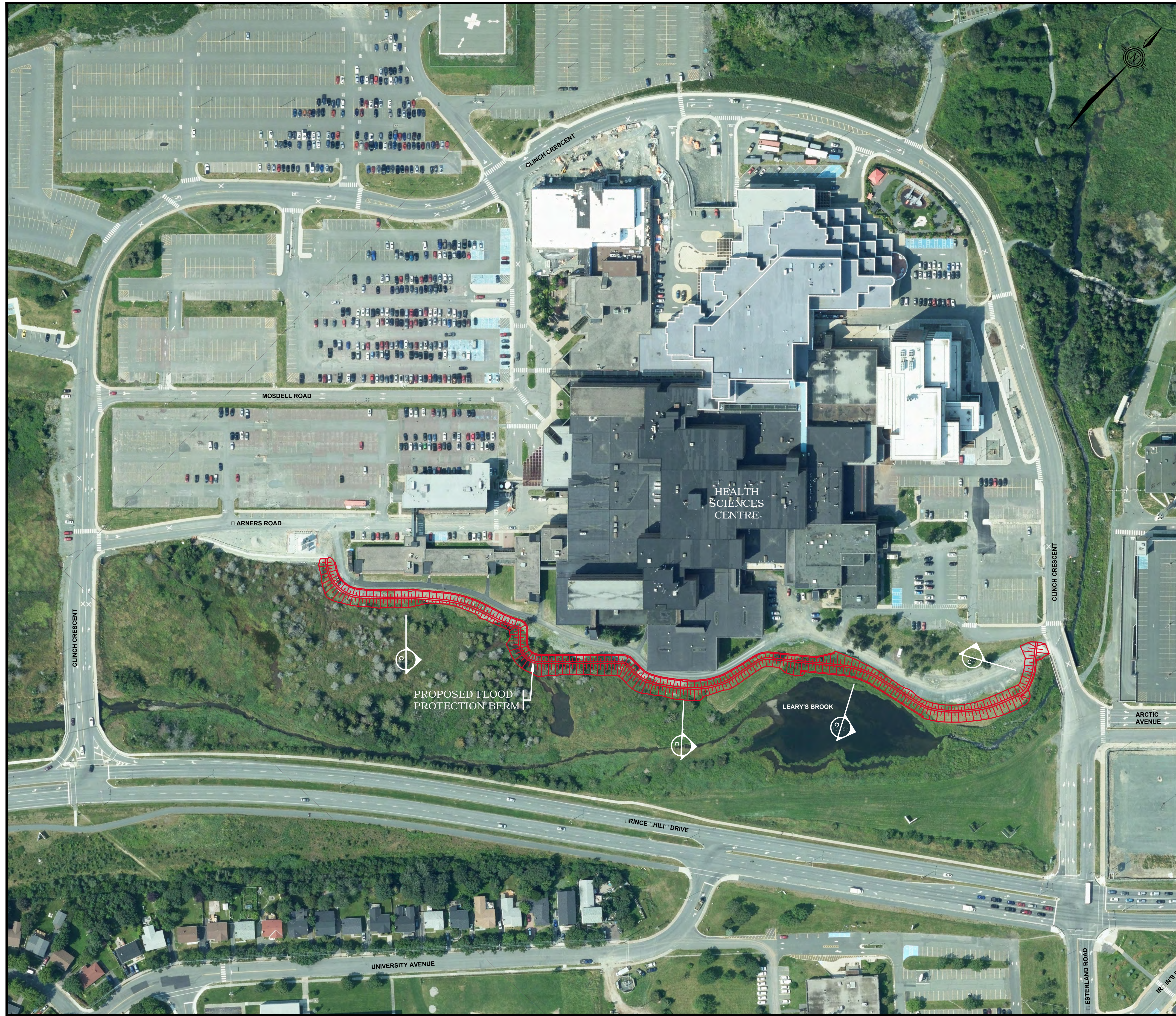
- 00 COVER
- C1 GENERAL PLAN PLAN
- C2 SITE GRADING PLAN - 01
- C3 SITE GRADING PLAN - 02
- C4 SITE GRADING PLAN - 03
- C5 SITE SECTION
- D1 CIVIL CONSTRUCTIONS DETAILS

- L1 LANDSCAPE LAYOUT
- L2 LANDSCAPE LAYOUT
- L3 LANDSCAPE LAYOUT

TYPICAL NOTES. (APPLIES TO ALL SHEETS)

1. DO NOT RELY UPON INFORMATION SHOWN ON THIS DRAWING FOR CONSTRUCTION UNLESS IT STATES BELOW THE SHEET HAS BEEN SPECIFICALLY ISSUED FOR THAT PURPOSE AND THE SHEET HAS BEEN STAMPED AND SIGNED.
2. SURVEY INFORMATION PROVIDED BY DUFFETT M. R. & ASSOCIATES, UPDATED 2016.
3. DO NOT SCALE FROM THIS DRAWING.
4. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE NOTED
5. CONTRACTOR TO VERIFY CONDITIONS ON SITE BEFORE PROCEEDING WITH THIS WORK.
6. CONTRACTOR TO ENSURE ALL PERMITS AND APPROVALS ARE IN PLACE BEFORE COMMENCING WORK.
7. CONTRACTOR TO LOCATE ALL BURIED SERVICES PRIOR TO COMMENCING EXCAVATION WORK.
8. TOPSOIL AND SOD ALL DISTURBED AREAS UNLESS OTHERWISE NOTED.
9. WHERE POSSIBLE, RETAIN EXISTING VEGETATION.
10. ALL WORK TO CONFORM TO CITY OF ST. JOHN'S MASTER SPECIFICATIONS, LATEST EDITION, UNLESS NOTED OTHERWISE.

No.	By	DESCRIPTION	MM/DD/YYYY
1	TW	ISSUE FOR CONSTRUCTION	10/07/2016
0	TW	ISSUE FOR TENDER	08/15/2016
REVISIONS			



- GENERAL NOTES**
- ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK.
 - CONTOURS SHOWN ARE BASED ON TOPOGRAPHIC SURVEY BY M.R. DUFFETT & ASSOC AND CITY OF ST. JOHN'S DIGITAL LIDAR MAPPING.
 - AERIAL PHOTO SHOWN ON DWG C1 IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT REFLECT CURRENT EXISTING SITE CONDITIONS.
 - ALL MEASUREMENTS ARE HORIZONTAL GROUND DISTANCES IN METRES AND REFERENCED TO NAD83 DATUM.
 - LEGAL SURVEYOR TO ESTABLISH TBMS.
 - CONTRACTOR RESPONSIBLE TO SECURE SITE DURING CONSTRUCTION FOR PUBLIC SAFETY.
 - DO NOT SCALE FROM DRAWINGS.
 - THE PROJECT SOILS REPORT CONSISTS OF THE FOLLOWING DOCUMENTS PREPARED BY STANTEC CONSULTING LTD.:
 - GEOTECHNICAL INVESTIGATION - FLOOD PROTECTION BERM (REV. 1), HEALTH SCIENCES CENTRE, ST. JOHN'S NL (FILE No. 121619655) DATE 7 JULY 2016.
- EROSION / SEDIMENTATION CONTROL NOTES**
- CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL (ESC) PLAN PREPARED BY QUALIFIED FIRM FOR REGULATORY APPROVAL. COMMENCEMENT OF WORK SHALL NOT TAKE PLACE UNTIL ESC PLAN IS APPROVED BY REGULATORY AGENCIES. THE ESC PLAN SHALL AT A MINIMUM ADDRESS / INCORPORATE THE FOLLOWING MEASURES:
 - SITE DEWATERING.
 - ENSURE ALL WORK IS COMPLETED WITHIN THE TIMING WINDOW (JUNE 1 TO SEPTEMBER 30) IN COMPLIANCE WITH THE DEPARTMENT OF FISHERIES AND OCEANS FOR IN-STREAM WORK.
 - THE WORK SHALL BE SCHEDULED TO AVOID WET, WINDY AND RAINY PERIODS TO REDUCE EROSION AND SEDIMENT MOVEMENT.
 - ADDRESS THE OPERATION AND MAINTENANCE OF MACHINERY FOR THIS PROJECT.
 - THE SITE SHALL BE STABILIZED UPON COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. REMOVE ALL NON-BIODEGRADABLE ESC CONTROL MEASURES ONCE SITE IS STABILIZED.
 - INSTALLATION OF EFFECTIVE ESC MEASURES TO BE COMPLETED BEFORE COMMENCING ANY WORK TO PREVENT SEDIMENT FROM ENTERING THE WATER BODY. THE COST OF PROVIDING ESC PLAN AND MEASURES IS INCIDENTAL TO THE CONTRACT.
 - CONTRACTOR SHALL PROVIDE ENGINEER WITH WEEKLY ESC INSPECTION REPORT WITH MINIMUM OF THREE DIGITAL PHOTOGRAPHS OF EACH ESC MEASURE. THE INSPECTION REPORT TO NOTE ANY DEFICIENCIES AND THE CORRECTIVE ACTIONS TAKEN TO RECTIFY PROBLEMS. CORRECTIVE ACTION TO TAKE PLACE WITHIN 24HR OF INSPECTION. INSPECTION OF ESC TO TAKE PLACE WEEKLY AND AFTER EACH RAINFALL EVENT.

- SITE / RADIN / NOTES**
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS ON SITE BEFORE PROCEEDING WITH THIS WORK.
 - ALL DISTURBED AREAS BEYOND LIMITS OF WORK TO BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.
 - CONTRACTOR TO PROVIDE CONSTRUCTION METHODS TO SUIT LOCAL SOIL CONDITIONS & THAT WILL NOT WEAKEN SUBGRADE. RECTIFY DEFICIENCIES IN SUBGRADE CAUSED BY CONSTRUCTION OPERATIONS TO SATISFACTION OF ENGINEER.
 - EXISTING STREAM RESERVATION TO BE UNDISTURBED (UNLESS OTHERWISE NOTED). ABSOLUTELY NO CUTTING OR HEAVY MACHINERY PERMITTED IN THIS AREA. ALL WORK WITHIN LEARY'S BROOK TO BE COMPLETED DURING DRY SEASON IN ACCORDANCE WITH DEPARTMENT OF FISHERIES AND OCEANS AND DEPARTMENT OF ENVIRONMENT & CONSERVATION REQUIREMENTS.
 - CONTRACTOR TO INSTALL 1.8m HIGH 'PROTEK' TEMPORARY GALVANIZED BARRICADE HOARDING FENCE PANELS OR APPROVED EQUAL. CONTRACTOR TO PROVIDE TEMPORARY HOARDING FENCE PLAN TO BE APPROVED BY EASTERN HEALTH.
 - STABILIZE SLOPES WITH 150mm TOPSOIL & SOD UNLESS OTHERWISE NOTED.
 - MINIMUM FINISHED SLOPE OF LANDSCAPED AREAS TO BE 2.00%.
 - INSTALL GRANULARS, ASPHALT, AND CURB & GUTTER IN ACCORDANCE WITH CITY OF ST. JOHN'S SPECIFICATIONS BOOK. ALL ASPHALT CUTS IN WALKING TRAIL TO HAVE A 3.0m WIDE RESTORATION PATCH.
 - ASPHALT RECONSTRUCTION ON WALKING TRAILS TO CONSIST OF 100mm CLASS 'A' AND 50mm CLASS 'B' ASPHALT.
 - NORMAL VARIATIONS BETWEEN TEST PITS SHOULD BE EXPECTED AND SHALL BE INCLUDED IN THE CONTRACTOR'S COSTS. REFER TO PROJECT SOILS REPORT.
 - TEST PIT LOCATIONS ARE BASED AS PER PROJECT SOILS REPORTS.
 - BOG DEPTHS ARE APPROXIMATE. REFER TO PROJECTS REPORT.
 - REFER TO PROJECT SOILS REPORT FOR SUBSURFACE FINDINGS, SITE PREPARATION AND STRUCTURAL FILL.

- SITE SERVICIN / NOTES**
- CONTRACTOR RESPONSIBLE FOR LOCATING EXISTING UNDERGROUND INFRASTRUCTURE AND CONFIRMING PIPE SIZES, & INVERT ELEVATIONS (I.E. WATERMAIN, STORM SEWERS, TELEPHONE, CABLE, POWER LINES, FIBROPTIC LINES, ETC.) BEFORE PROCEEDING WITH THIS WORK. ADVISE ENGINEER OF ANY DISCREPANCIES.
 - EX. WATERMAIN SHOWN IN APPROXIMATE LOCATION ONLY. CONTRACTOR TO PROCEED WITH EXTREME CAUTION WHEN WORKING IN CLOSE PROXIMITY TO EX. WATERMAIN. ANY DAMAGE TO EX. INFRASTRUCTURE SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR TO OBTAIN PERMIT TO CONNECT PRIOR TO COMMENCING ANY SERVING WORK.
 - DITCH INLET SIZES SHOWN TO BE CONFIRMED BY MANHOLE SUPPLIER. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL DITCH INLETS, BACKFLOW VALVES, RECON BLOCK RETAINING WALLS & HANDRAILS FOR APPROVAL.
 - RECON BLOCK SIZES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO VERIFY RECON BLOCK SIZES WITH MANUFACTURER AND INCLUDE IN THEIR PRICING. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL RECON BLOCK RETAINING WALLS & HANDRAILS FOR APPROVAL. SHOP DRAWINGS SHALL BE SIGNED & STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEWFOUNDLAND & LABRADOR.
 - BED STORM SEWERS IN CLASS 'B' BEDDING (CLASS 'B' BEDDING NOT REQUIRED IN LOCATIONS WHERE CONCRETE ENCASEMENT OR TRENCH PLUG ARE SPECIFIED).
 - CONSTRUCT, TEST AND INSPECT STORM SEWERS IN ACCORDANCE WITH CITY OF ST. JOHN'S SPECIFICATION BOOK.
 - SUBRAIN TO BE CONSTRUCTED USING 150mm PVC PERFORATED PIPE (SRD28) USING LONG RADIUS BENDS, TEES AND WYE CONNECTIONS.
 - CONTRACTOR TO INSTALL 'GALAXY PLASTICS' 300mm THREE-WAY GASKETED INLINE BACKWATER VALVE C/W 300 PVC (SDR35) RISER PIPE, END CAP, QUAZITE PG2424B24 ENCLOSURE BOX AND QUAZITE PG2424CA0009 BOLT-DOWN COVER LOCATED AT CENTER OF FLOOD PROTECTION BERM. CONTRACTOR TO PROVIDE COMMON FILL TRENCH PLUG WITH 30% MIN. FINES). PLUG TO BE FULL TRENCH WIDTH & DEPTH AND 2.0m LONG DOWNSTREAM OF INLINE BACKWATER VALVE.
 - CONTRACTOR TO PROVIDE CONCRETE ENCASEMENT TO PROTECT STORM SEWER. MINIMUM SIZE OF CONCRETE ENCASEMENT TO BE PIPE O.D. + 300mm ALL AROUND. MINIMUM CONCRETE COMPRESSIVE STRENGTH 30MPa AFTER 28 DAYS.



NO.	REVISIONS	DATE
1	ISSUED FOR CONSTRUCTION	07/10/16
0	ISSUED FOR TENDER	15/08/16

PROFESSIONAL STAMP

PROVINCE OF NEWFOUNDLAND
 PERMIT HOLDER
 PEG
 and Labrador
 Class 'A'
 This Permit Allows
 PINNACLE ENGINEERING LIMITED
 To practice Professional Engineering
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CIVIL CONSULTANT
PINNACLE
 ENGINEERING LIMITED

PROJECT TITLE
**HEALTH SCIENCES CENTRE -
 FLOOD PROTECTION BERM**

SHEET TITLE
GENERAL PLAN

PROJECT NO.
16016

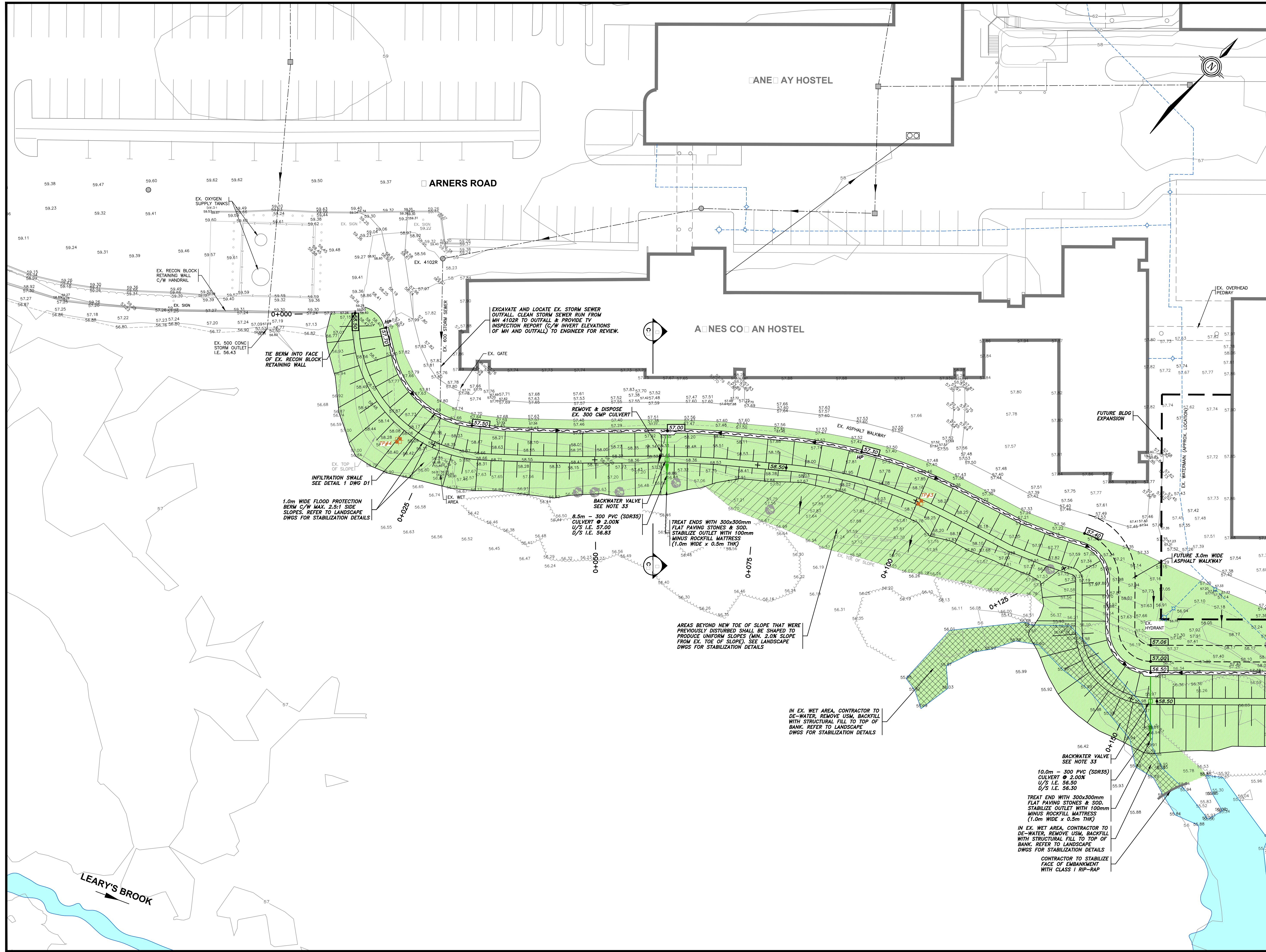
DRAWN BY
 MEWC

CHECKED BY
 KHH

DATE
 JUNE 2016

DRAWING NO.
C1

SCALE
 1 : 1000



LEGEND:

- EXISTING GROUND SPOT ELEVATIONS (TOPO SURVEY BY M.R. DUFFETT & ASSOC.)
- EXISTING FENCELINE
- EXISTING DITCH CENTRELINE
- EXISTING TREE LINE
- EXISTING HYDROPOLE
- EXISTING LIGHT STANDARD
- EXISTING SIGN
- EXISTING WATERMAIN (SEE NOTE 1)
- EXISTING HYDRANT & MARKER POLE
- EXISTING LINE VALVE
- EXISTING SANITARY TRUNK SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING SINGLE CATCHBASIN
- NEW FINISHED GRADE
- NEW TOP OF RETAINING WALL ELEVATION
- NEW INFILTRATION SWALE
- REFER TO LANDSCAPE DWGS FOR STABILIZATION DETAILS
- STABILIZE WITH CLASS 1 HYDRAULIC RIP-RAP
- NEW STORM SEWER
- NEW PERFORATED SUBDRAIN
- NEW RECON BLOCK RETAINING WALL C/W HANDRAIL
- 2.5H:1V TRANSITIONAL SLOPING UNLESS NOTED OTHERWISE
- BOS PROBE LOCATIONS (SEE PROJECT SOILS REPORT & NOTE 9 DWG C1)
- TEST PIT LOCATIONS (SEE PROJECT SOILS REPORT & NOTE 9 DWG C1)

1	ISSUED FOR CONSTRUCTION	07/10/16
0	ISSUED FOR TENDER	15/08/16
NO.	REVISIONS	DATE

PROFESSIONAL STAMP

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CIVIL CONSULTANT
PINNACLE ENGINEERING LIMITED

PROJECT TITLE
HEALTH SCIENCES CENTRE - FLOOD PROTECTION BERM

SHEET TITLE
SITE GRADING PLAN - 01

PROJECT NO.
16016

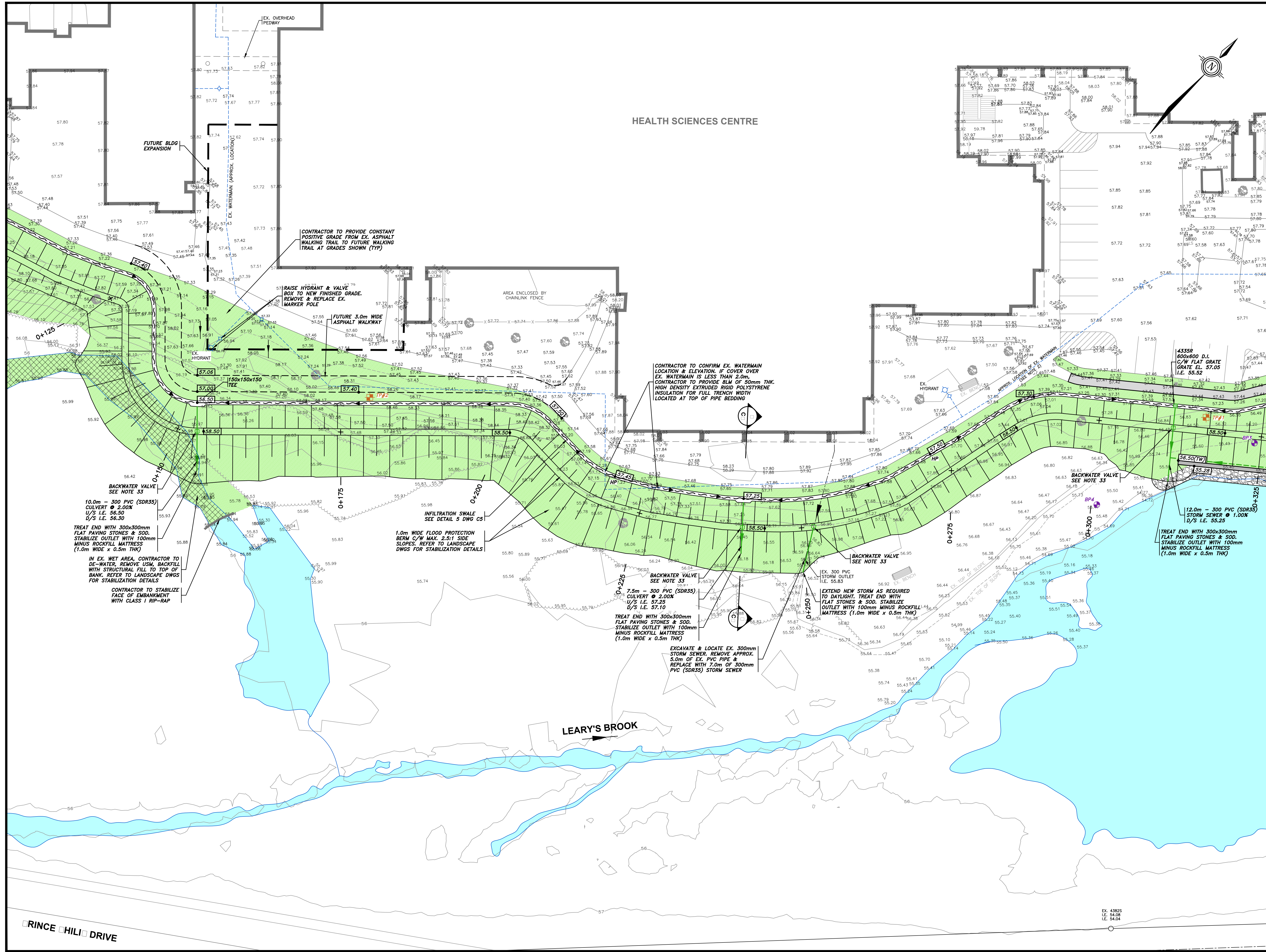
DRAWN BY
MEWC

CHECKED BY
KHH

DATE
JUNE 2016

DRAWING NO.
C2

SCALE
1 : 250



LEGEND:

- EXISTING GROUND SPOT ELEVATIONS (TOPO SURVEY BY M.R. DUFFETT & ASSOC.)
- EXISTING FENCELINE
- EXISTING DITCH CENTRELINE
- EXISTING TREE LINE
- EXISTING HYDROPOLE
- EXISTING LIGHT STANDARD
- EXISTING SIGN
- EXISTING WATERMAIN (SEE NOTE 1)
- EXISTING LINE VALVE
- EXISTING SANITARY TRUNK SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING SINGLE CATCHBASIN
- NEW FINISHED GRADE
- NEW TOP OF RETAINING WALL ELEVATION
- NEW INFILTRATION SWALE
- REFER TO LANDSCAPE DWGS FOR STABILIZATION DETAILS
- STABILIZE WITH CLASS HYDRAULIC RIP-RAP
- NEW STORM SEWER
- NEW PERFORATED SUBDRAIN
- NEW PECON BLOCK RETAINING WALL C/W HANDRAIL
- 2.5H:1V TRANSITIONAL SLOPING UNLESS NOTED OTHERWISE
- BOG PROBE LOCATIONS (SEE PRODUCT SOILS REPORT & NOTE 9 DWG C1)
- TEST PIT LOCATIONS (SEE PROJECT SOILS REPORT & NOTE 9 DWG C1)

1	ISSUED FOR CONSTRUCTION	07/10/16
0	ISSUED FOR TENDER	15/08/16
NO.	REVISIONS	DATE



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PINNACLE
 ENGINEERING LIMITED

PROJECT TITLE
**HEALTH SCIENCES CENTRE -
 FLOOD PROTECTION BERM**

SHEET TITLE
SITE GRADING PLAN - 02

PROJECT NO.
16016

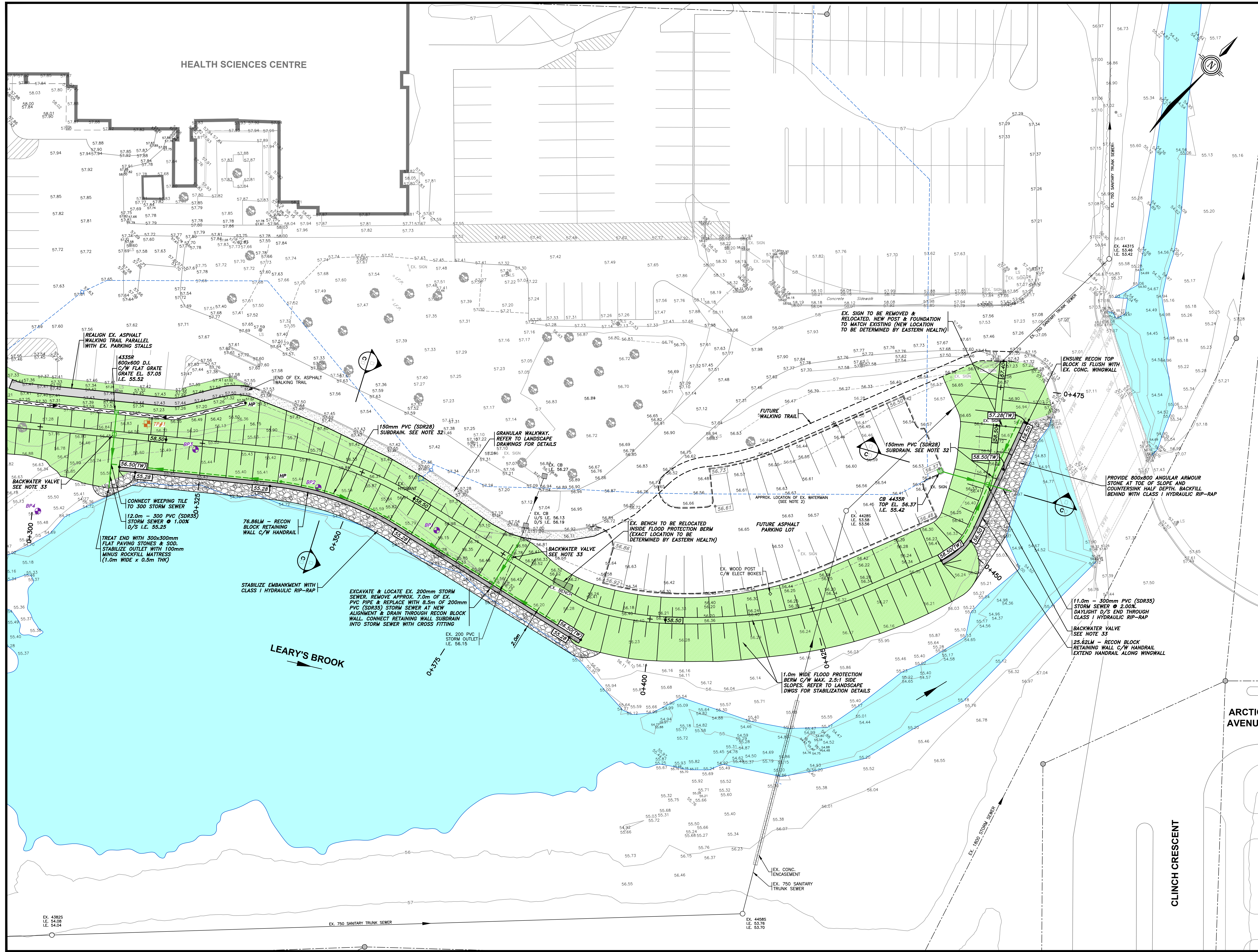
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 KHH

DATE
 JUNE 2016

DRAWING NO.
C3

SCALE
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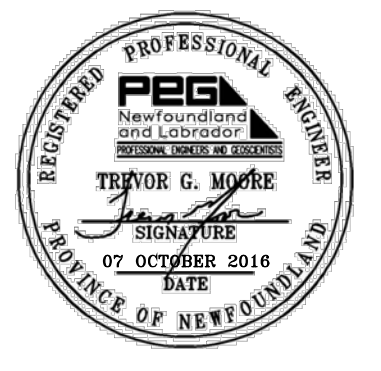
Eastern Health

LEGEND:

- EXISTING GROUND SPOT ELEVATIONS (TOPO SURVEY BY M.R. DUFFETT & ASSOC.)
- EXISTING FENCELINE
- EXISTING DITCH CENTRELINE
- EXISTING TREE LINE
- EXISTING HYDROPOLE
- EXISTING LIGHT STANDARD
- EXISTING SIGN
- EXISTING WATERMAIN (SEE NOTE 1)
- EXISTING HYDRANT & MARKER POLE
- EXISTING LINE VALVE
- EXISTING SANITARY TRUNK SEWER
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING SINGLE CATCHBASIN
- NEW FINISHED GRADE
- NEW TOP OF RETAINING WALL ELEVATION
- NEW INFILTRATION SWALE
- REFER TO LANDSCAPE DWGS FOR STABILIZATION DETAILS
- STABILIZE WITH CLASS I HYDRAULIC RIP-RAP
- NEW STORM SEWER
- NEW PERFORATED SUBDRAIN
- NEW RECON BLOCK RETAINING WALL C/W HANDRAIL
- 2.5H:1V TRANSITIONAL SLOPING UNLESS NOTED OTHERWISE
- BGS PROBE LOCATIONS (SEE PROJECT SOILS REPORT & NOTE 9 DWG C1)
- TEST PIT LOCATIONS (SEE PROJECT SOILS REPORT & NOTE 9 DWG C1)

	ISSUED FOR CONSTRUCTION	07/10/16
	ISSUED FOR TENDER	15/08/16
NO.	REVISIONS	DATE

PROFESSIONAL STAMP



REGISTERED PROFESSIONAL ENGINEER
 PEG
 Trevor G. Muir
 17 OCTOBER 2016
 DATE
 PROVINCE OF NEWFOUNDLAND

PROVINCE OF NEWFOUNDLAND PERMIT HOLDER
 PEG Class 'A'
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CIVIL CONSULTANT

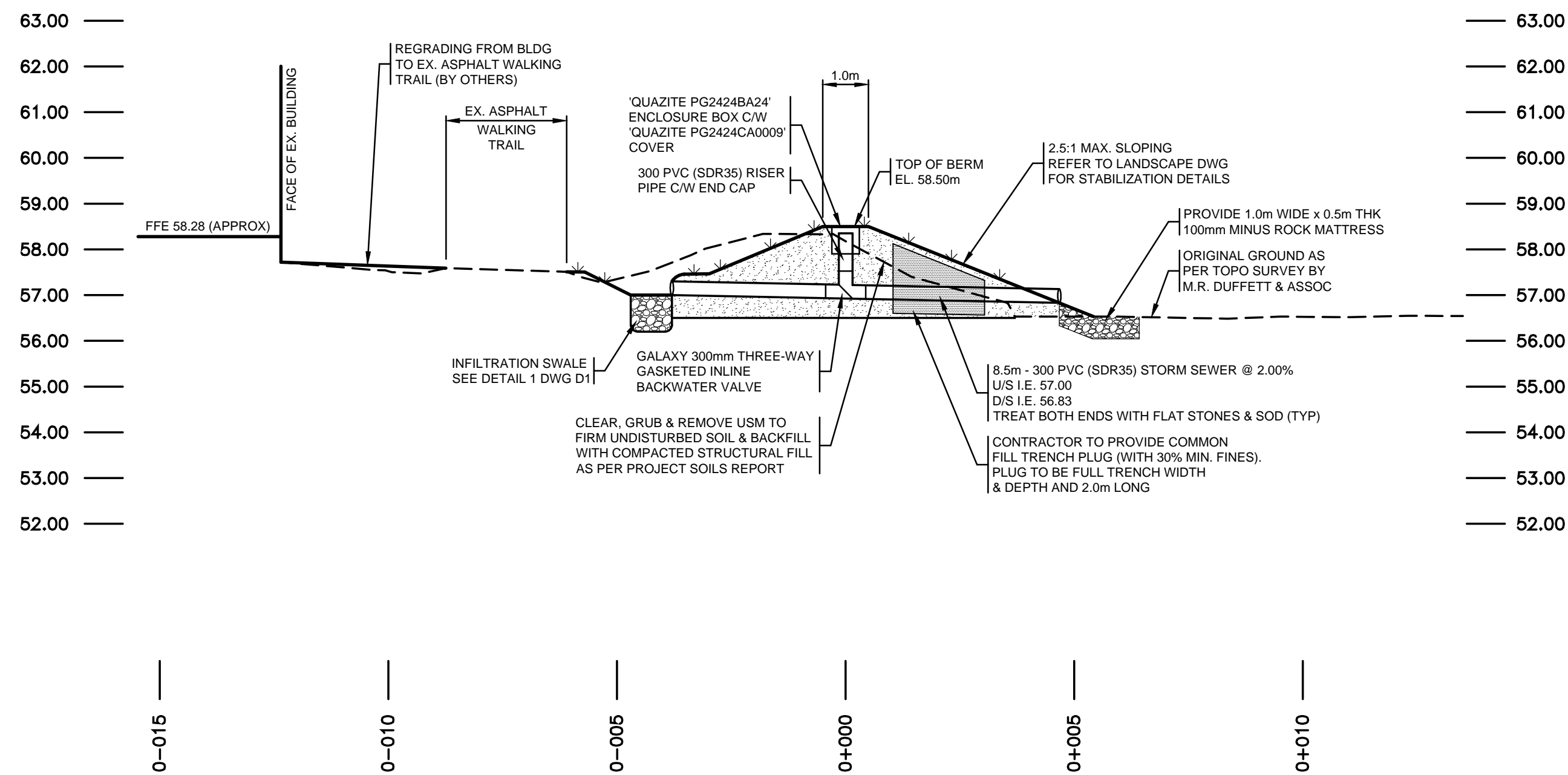
PINNACLE
ENGINEERING LIMITED

PROJECT TITLE
HEALTH SCIENCES CENTRE - FLOOD PROTECTION BERM

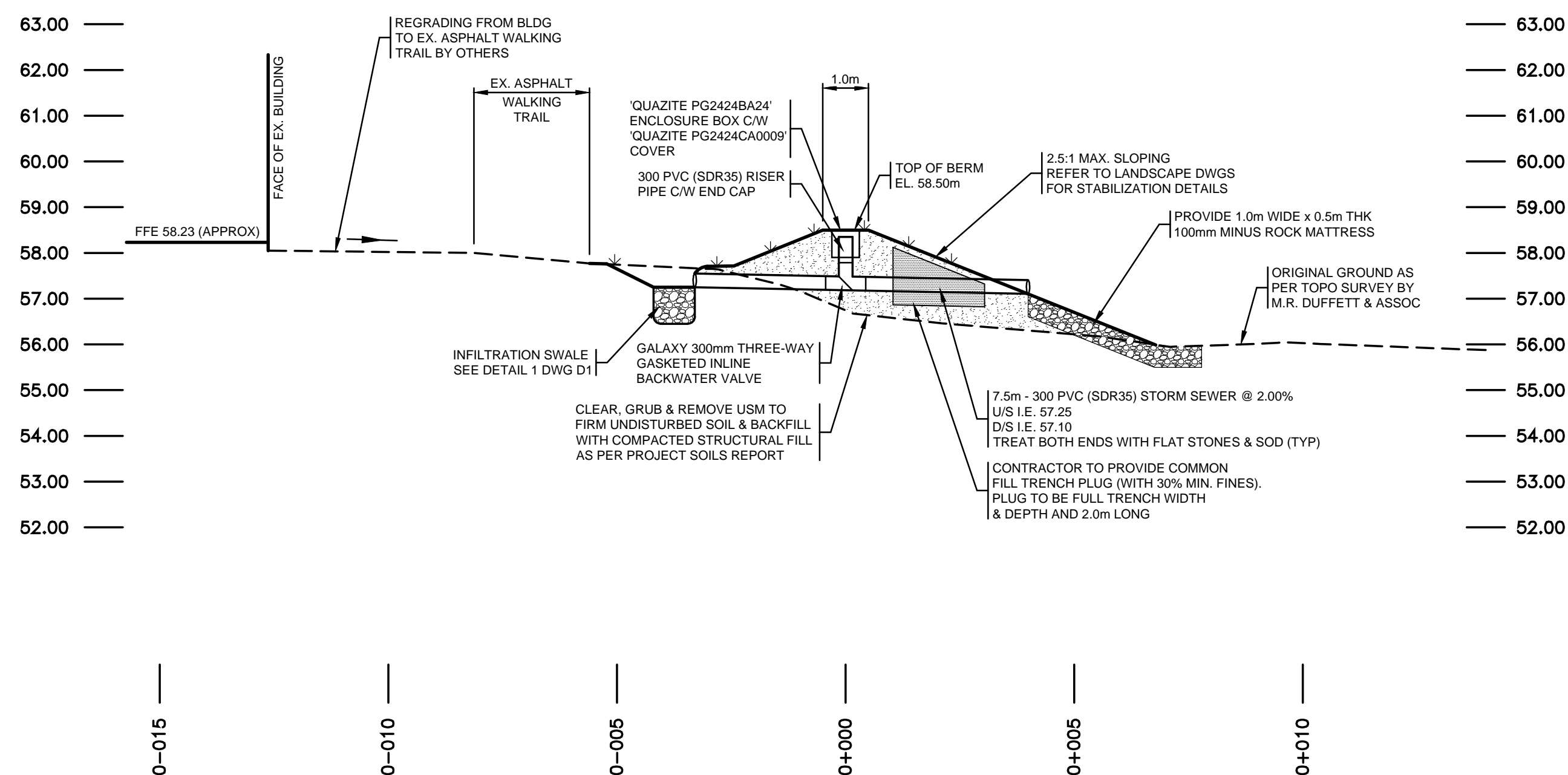
SHEET TITLE
SITE GRADING PLAN - 03

PROJECT NO.
16016

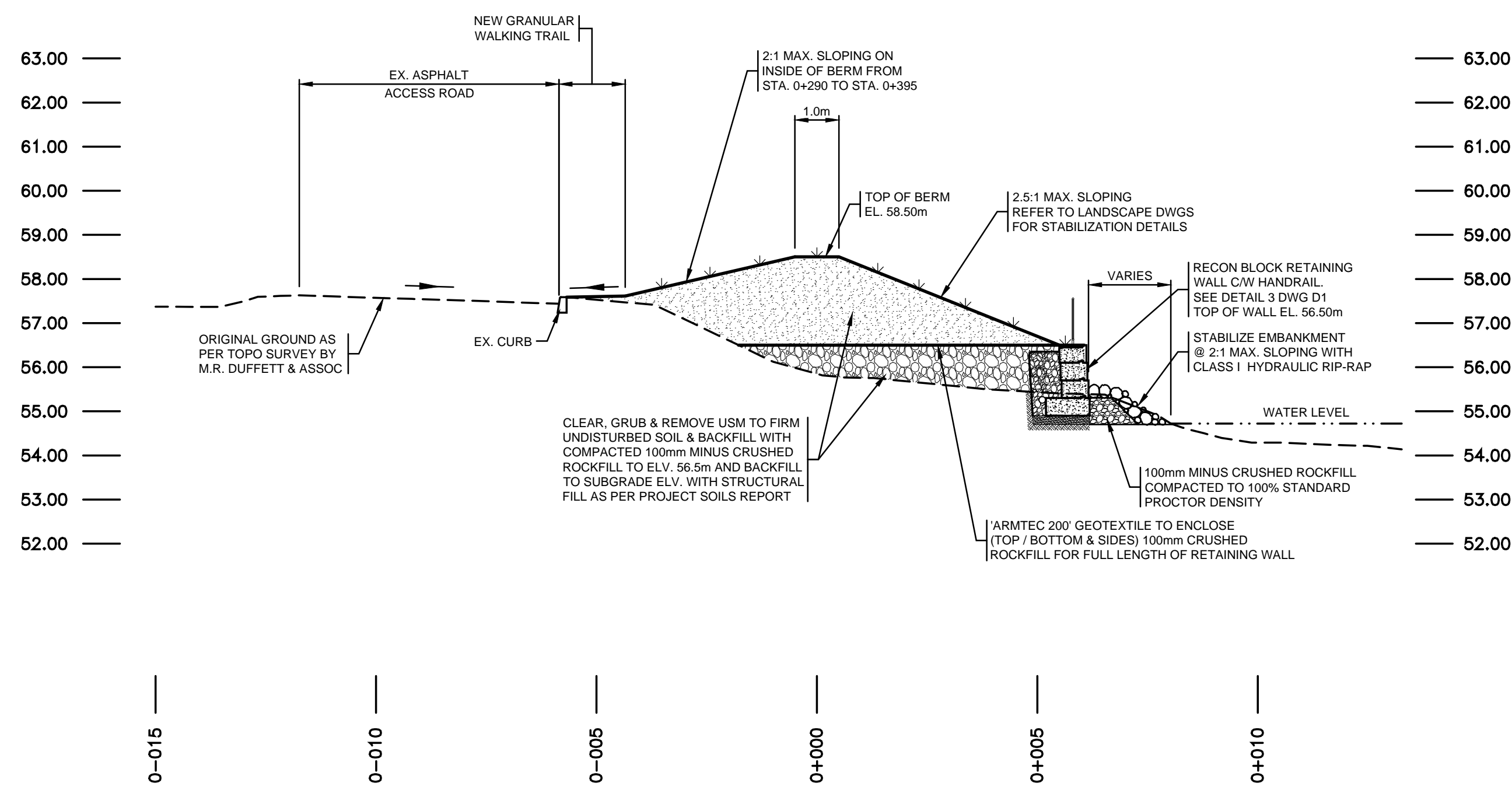
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DATE JUNE 2016	DRAWING NO. C4
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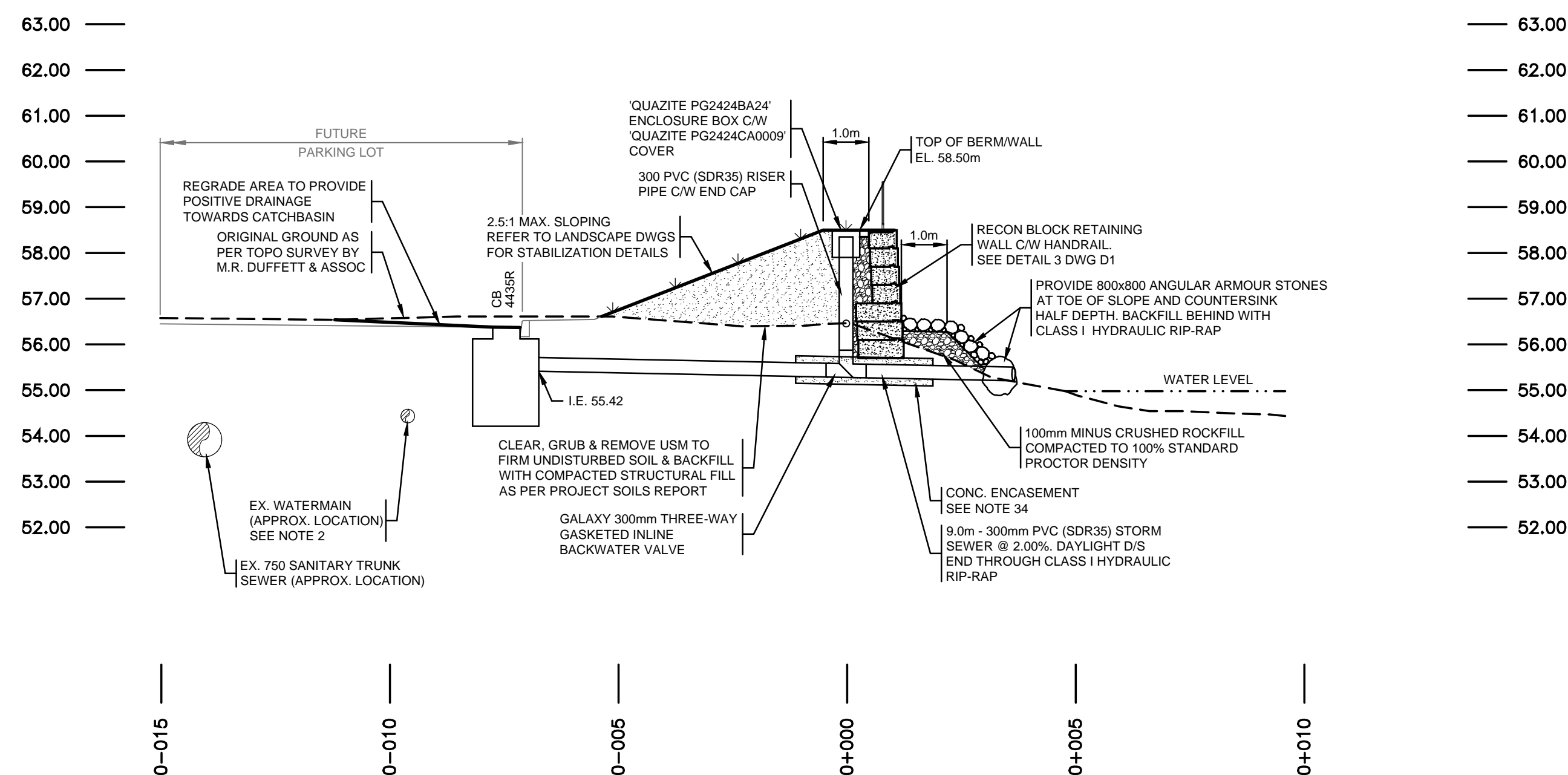
SITE SECTION (STA) SCALE



SITE SECTION (STA) SCALE



SITE SECTION (STA) SCALE



SITE SECTION (STA) SCALE

NO.	REVISIONS	DATE
1	ISSUED FOR CONSTRUCTION	07/10/16
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PROJECT TITLE

HEALTH SCIENCES CENTRE - FLOOD PROTECTION BERM

SHEET TITLE

SITE SECTIONS

PROJECT NO.

16016

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MEWC

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KHH

DATE

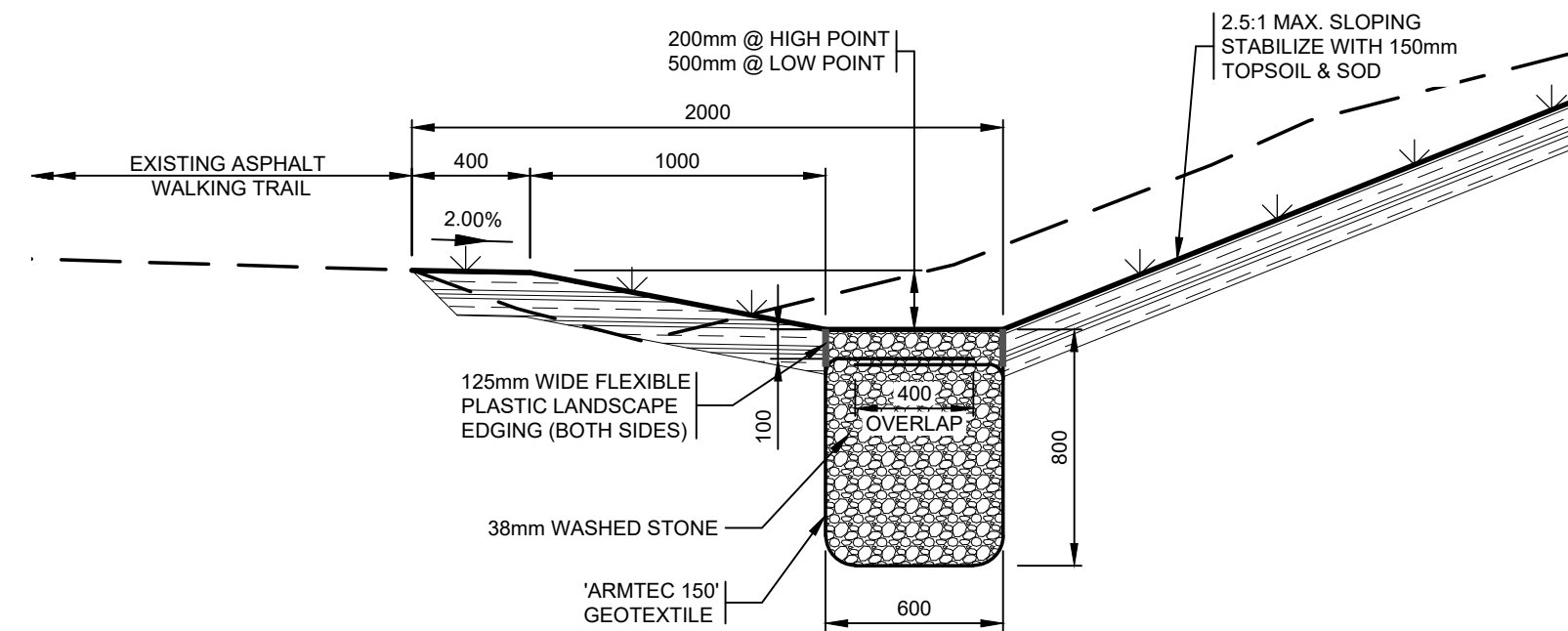
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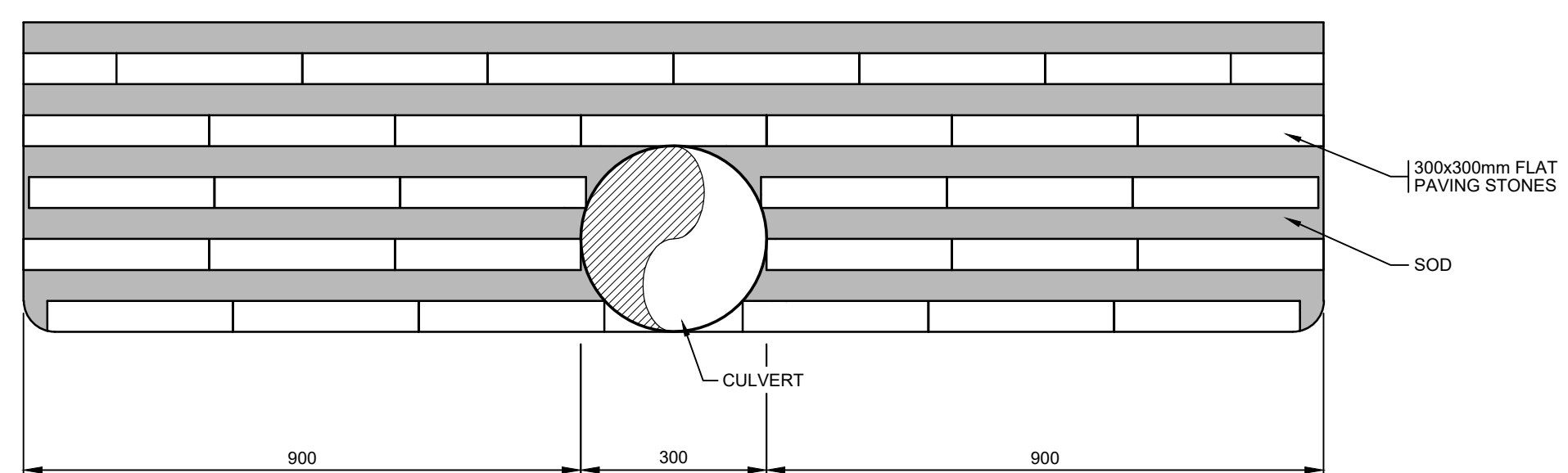
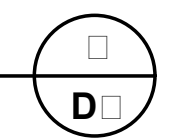
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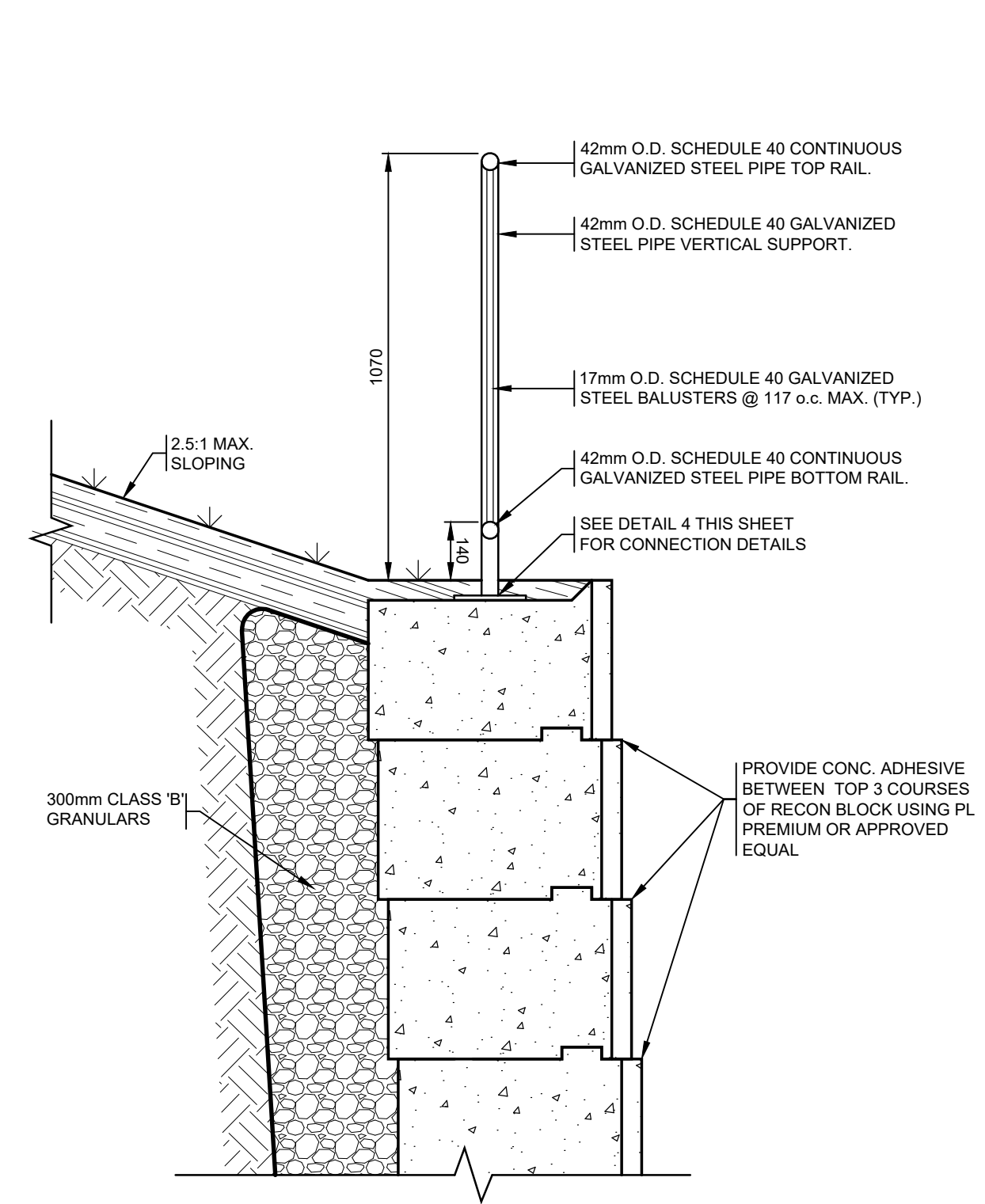
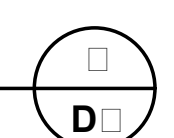
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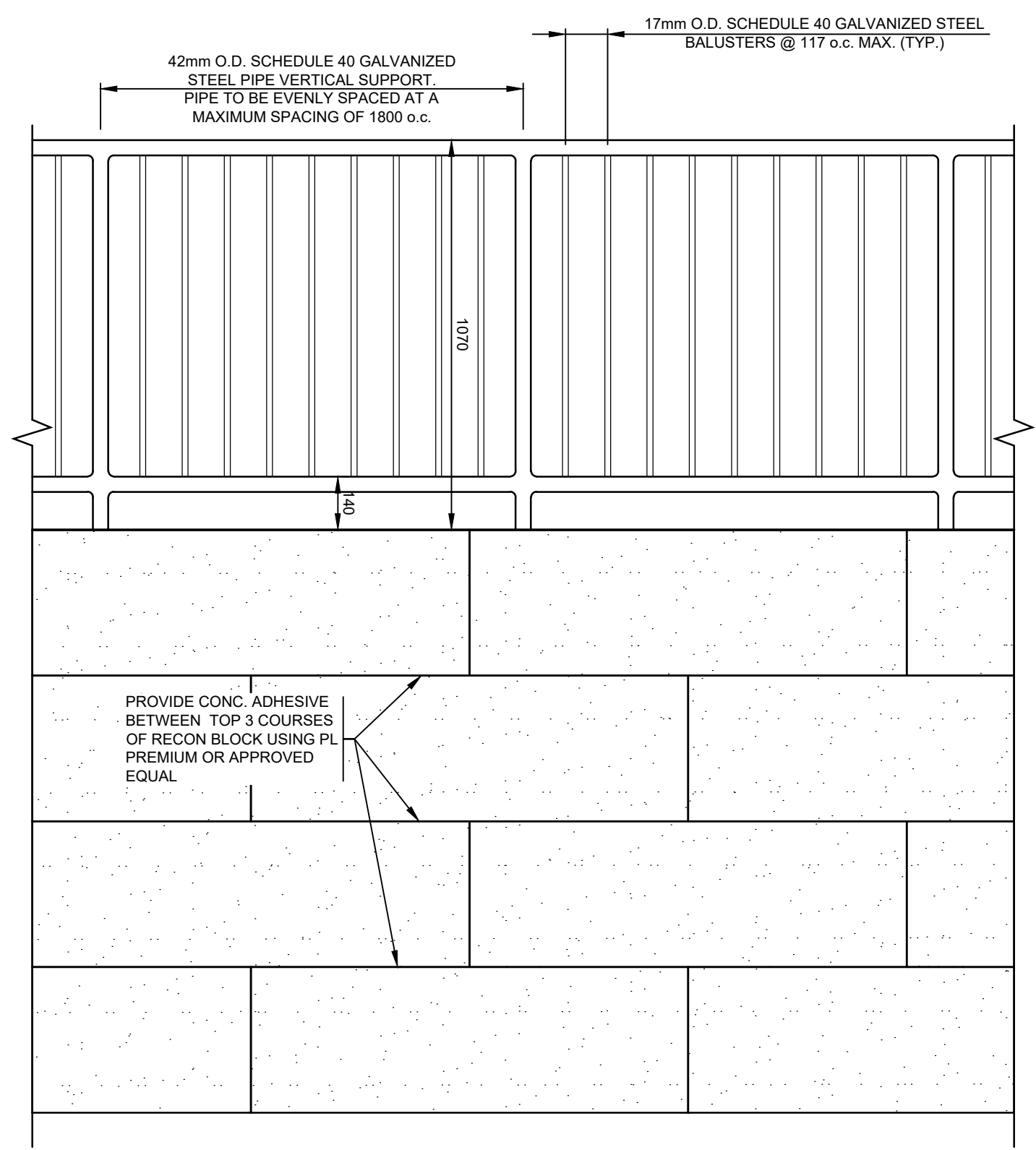
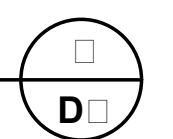
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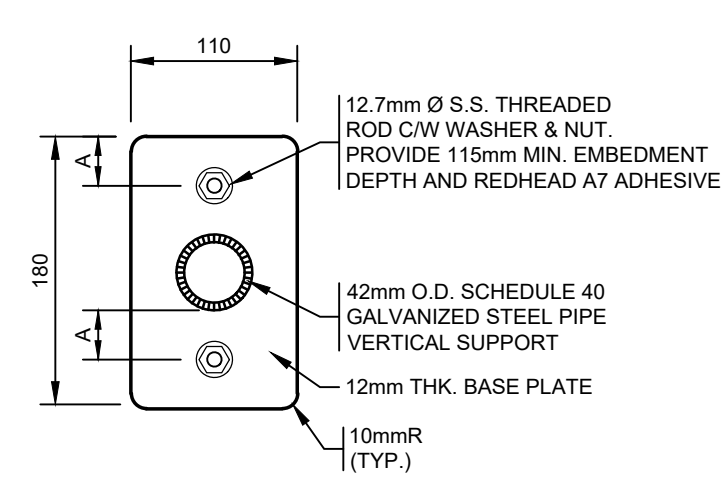
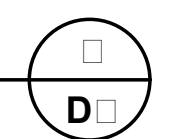
CULVERT END DETAIL
SCALE: 1:100



TYPICAL HANDRAIL DETAIL
SCALE: 1:100



HANDRAIL CONNECTION DETAIL
SCALE: N.T.S.



NO.	REVISIONS	DATE
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PROFESSIONAL STAMP

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CIVIL CONSULTANT

PROJECT TITLE
**HEALTH SCIENCES CENTRE -
FLOOD PROTECTION BERM**

SHEET TITLE
**CIVIL CONSTRUCTION
DETAILS**

PROJECT NO.
16016

DRAWN BY
MEWC

CHECKED BY
KHH

DATE
JUNE 2016

DRAWING NO.
D1

SCALE
AS SHOWN

NOTES

- PLANTING NOTES:**
- LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
 - LOCATION OF ALL PLANT MATERIAL SHALL BE APPROVED ON SITE PRIOR TO INSTALLATION.
 - ALL PLANT MATERIAL SHALL CONFORM TO "CANADIAN STANDARDS FOR NURSERY STOCK".
 - ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
 - ALL PLANTS AND STAKES SHALL BE SET PLUMB.
 - ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD FOLLOWING PLANTING. ALL PLANTS SHALL BE WATERED WEEKLY, OR MORE IF NECESSARY, DURING THE FIRST GROWING SEASON.
 - PLANTING SOIL MIXTURE: 3 PARTS SCREENED TOPSOIL, 1 PART WELL ROTTED MANURE, AND 1 PART PEAT.
 - ALL SHRUB GROUPINGS SHALL BE IN A CONTINUOUSLY MULCHED PLANTING BED.
 - ALL PLANTS SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE LANDSCAPE ARCHITECT. ANY MATERIAL NEEDING REPLACEMENT AS DETERMINED BY THE LANDSCAPE ARCHITECT SHALL HAVE AN ADDITIONAL ONE YEAR GUARANTEE PERIOD.
 - PLANT MATERIAL LOCATION SHALL BE VERIFIED ON SITE BY TRACT CONSULTING PRIOR TO INSTALLATION.
 - ALL LANDSCAPED AREAS THAT ARE DISTURBED IN THE CONSTRUCTION PROCESS SHALL BE SODDED UNLESS NOTED OTHERWISE.
 - COORDINATE LANDSCAPE WORK WITH CIVIL DRAWINGS. INFORM CONSULTANT OF ANY DISCREPANCIES.
 - SUBMIT TOPSOIL FOR TESTING, PROVIDE RESULTS FOR REVIEW. AMEND SOIL AS INDICATED IN SOIL TEST REPORT
 - HYDRO-SEED MIX:
30% BIRDSFOOT TREFLOIL
15% WHITE CLOVER
5% BOREAL CREEPING FESCUE
35% TIMOTHY
7% DOUBLE CUT RED CLOVER
8% ALSIKE CLOVER
SEEDING RATE: 225 kg/hectar
MULCH: 1250 kg/ha
TACKIFIER: 25 kg/ha
FERTILIZER: 600 kg/ha
 - HYDROSEED MIXTURE TO INCLUDE LIME AT RATES AS RECOMMENDED BY SEED SUPPLIER.
 - ALL WORK TO CONFORM TO CITY OF ST. JOHN'S MASTER SPECIFICATIONS, LATEST EDITION, UNLESS NOTED OTHERWISE.

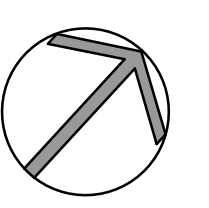
LEGEND:

- TOPSOIL AND SOD
- TOPSOIL AND HYDRO-SEED

NOTE:
1. ALL OTHER AREAS DISTURBED BY CONSTRUCTION TO BE REINSTATED WITH 150mm OF TOPSOIL AND SOD UNLESS OTHERWISE NOTED.

STAMP

NORTH REF.



No.	By	DESCRIPTION	MM/DD/YYYY
1	TW	ISSUED FOR CONSTRUCTION	10/07/2016
0	TW	ISSUED FOR TENDER	08/15/2016

REVISIONS



100 LEMARCHANT RD.
ST. JOHN'S, NL
CANADA A1C 2H2
TEL (709) 738-2500
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CLIENT

EASTERN HEALTH

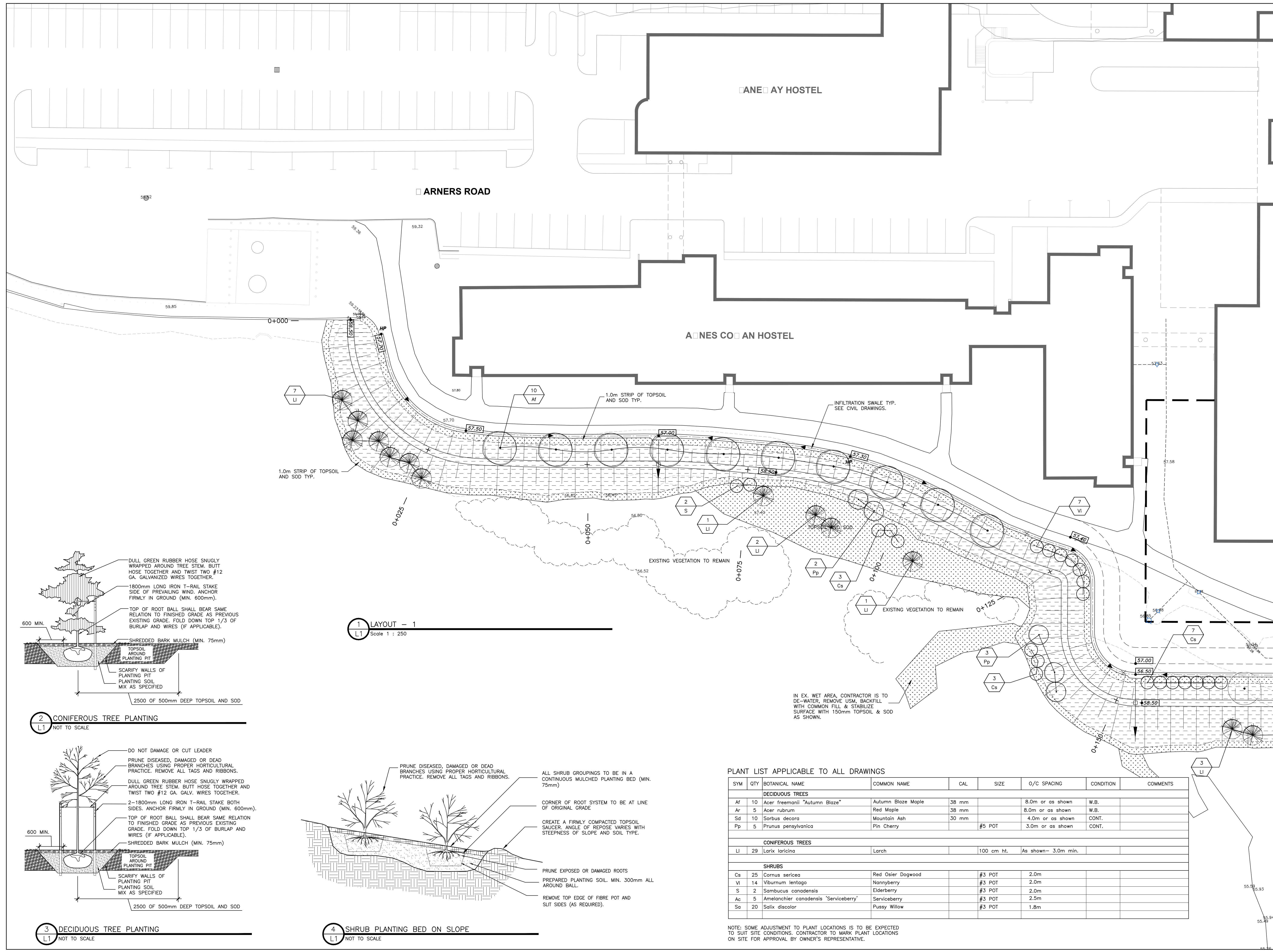
PROJECT

HEALTH SCIENCE CENTRE BERM

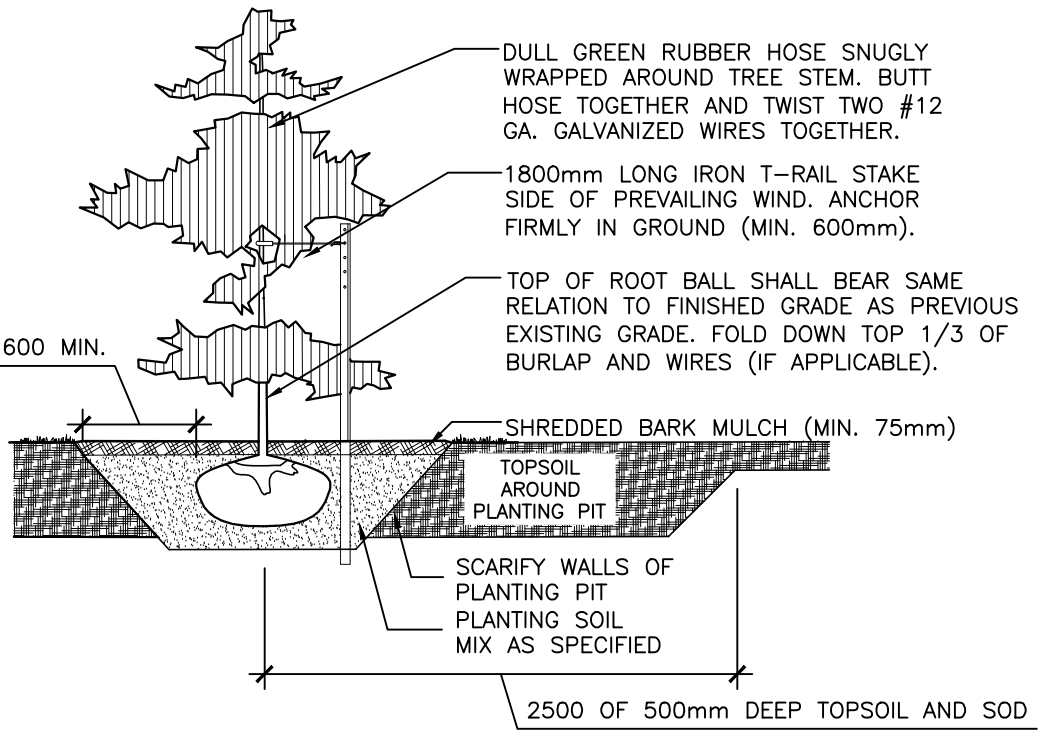
DRAWING

LANDSCAPE LAYOUT

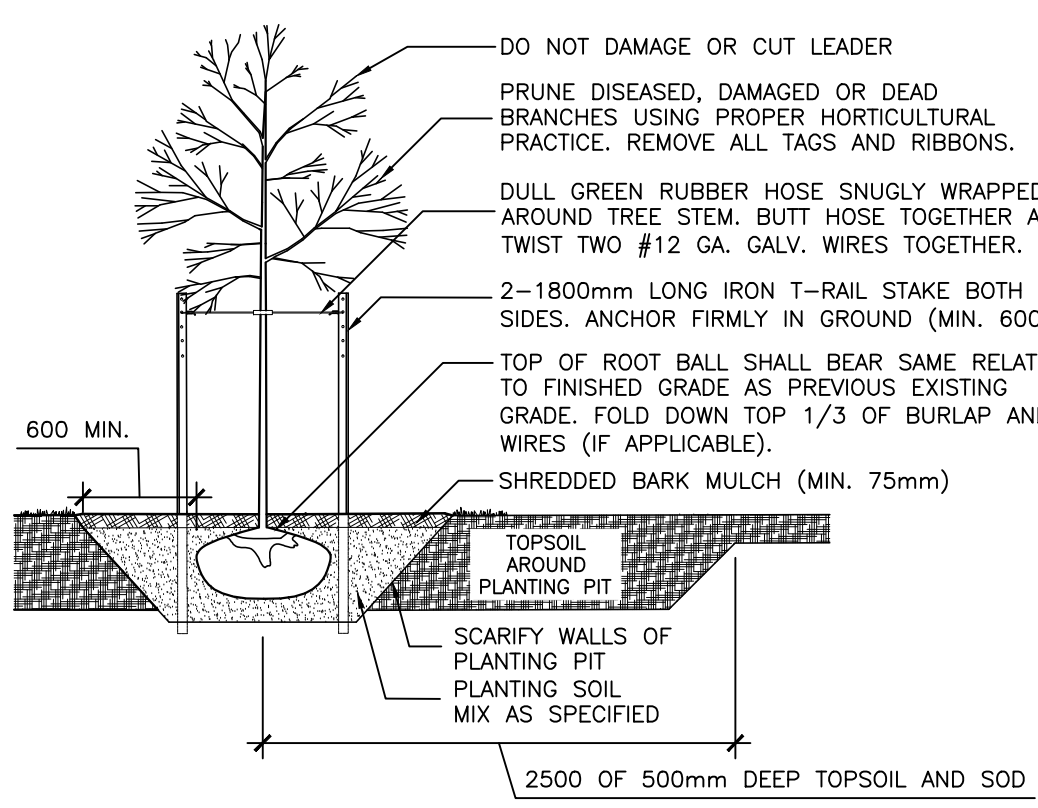
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TRACT	LW	1 : 250
APPROVED	DATE	SHEET
TW	JUNE 2016	L1
PROJECT NO. EHLTH-1613		SHEET 1 of 3



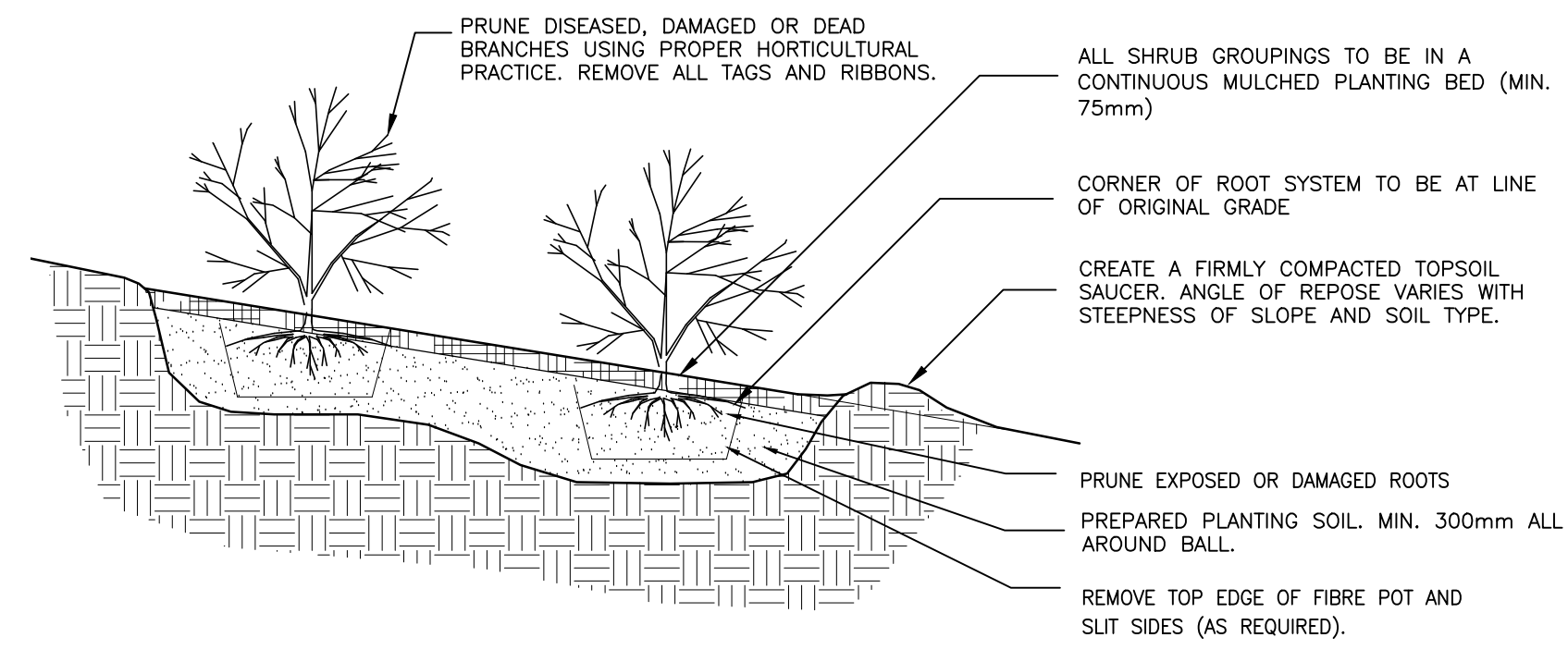
1 LAYOUT - 1
Scale 1 : 250



2 CONIFEROUS TREE PLANTING
NOT TO SCALE



3 DECIDUOUS TREE PLANTING
NOT TO SCALE



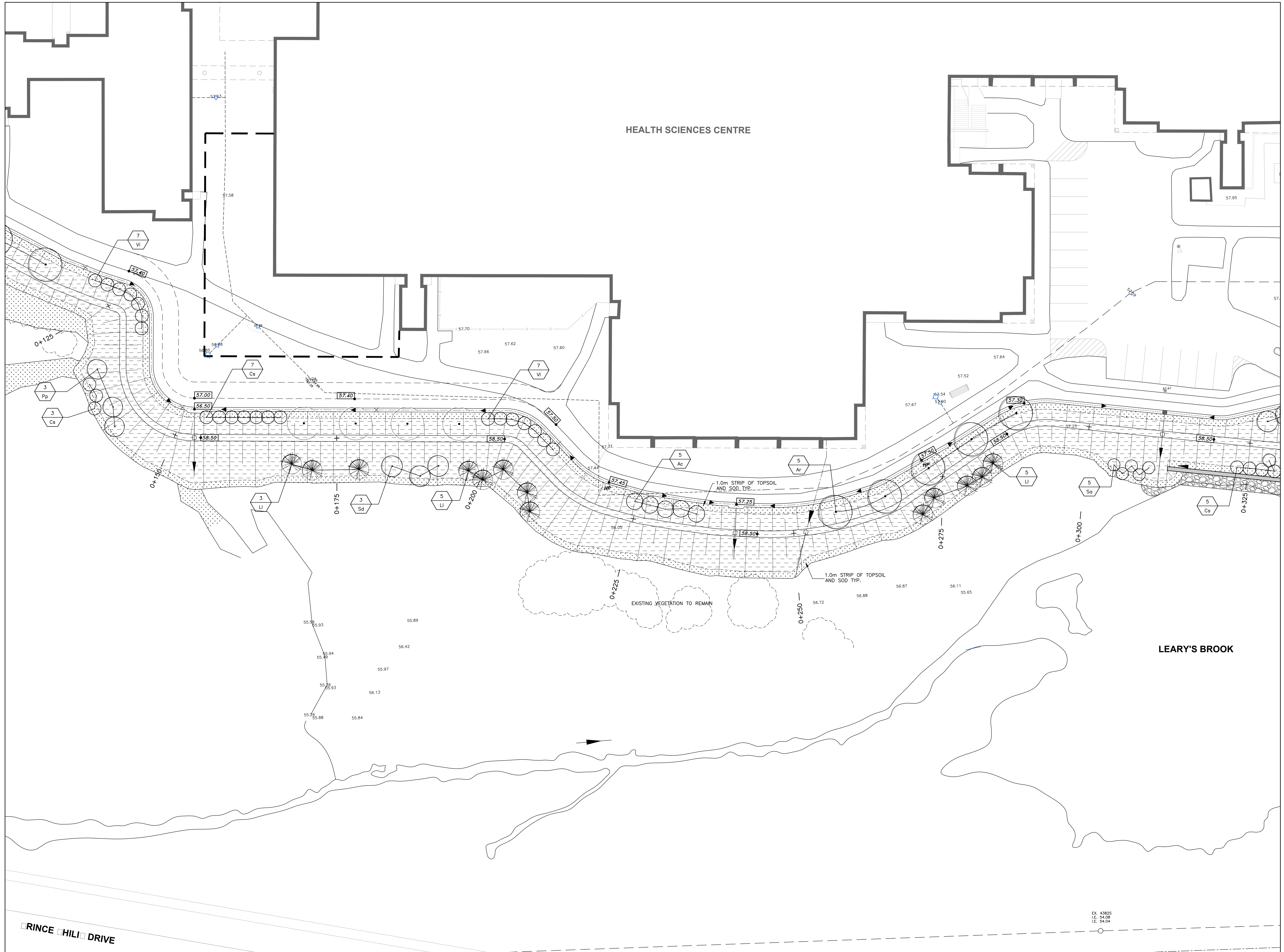
4 SHRUB PLANTING BED ON SLOPE
NOT TO SCALE

IN EX. WET AREA, CONTRACTOR IS TO DE-WATER, REMOVE USM, BACKFILL WITH COMMON FILL & STABILIZE SURFACE WITH 150mm TOPSOIL & SOD AS SHOWN.

PLANT LIST APPLICABLE TO ALL DRAWINGS

SYM	QTY	BOTANICAL NAME	COMMON NAME	CAL	SIZE	O/C SPACING	CONDITION	COMMENTS
DECIDUOUS TREES								
Af	10	Acer freemanii "Autumn Blaze"	Autumn Blaze Maple	38 mm		8.0m or as shown	W.B.	
Ar	5	Acer rubrum	Red Maple	38 mm		8.0m or as shown	W.B.	
Sd	10	Sorbus decora	Mountain Ash	30 mm		4.0m or as shown	CONT.	
Pp	5	Prunus pensylvanica	Pin Cherry		#5 POT	3.0m or as shown	CONT.	
CONIFEROUS TREES								
Li	29	Larix laricina	Larch		100 cm ht.	As shown - 3.0m min.		
SHRUBS								
Cs	25	Cornus sericea	Red Osier Dogwood		#3 POT	2.0m		
Vi	14	Viburnum lentago	Nannyberry		#3 POT	2.0m		
S	2	Sambucus canadensis	Elderberry		#3 POT	2.0m		
Ac	5	Amelanchier canadensis "Serviceberry"	Serviceberry		#3 POT	2.5m		
Sa	20	Salix discolor	Pussy Willow		#3 POT	1.8m		

NOTE: SOME ADJUSTMENT TO PLANT LOCATIONS IS TO BE EXPECTED TO SUIT SITE CONDITIONS. CONTRACTOR TO MARK PLANT LOCATIONS ON SITE FOR APPROVAL BY OWNER'S REPRESENTATIVE.



NOTES

- LEGEND:
- TOPSOIL AND SOD
 - TOPSOIL AND HYDRO-SEED
- NOTE:
1. ALL OTHER AREAS DISTURBED BY CONSTRUCTION TO BE REINSTATED WITH 150mm OF TOPSOIL AND SOD UNLESS OTHERWISE NOTED.

STAMP		NORTH REF.

1	TW	ISSUED FOR CONSTRUCTION	10/07/2016
0	TW	ISSUED FOR TENDER	08/15/2016
No.	By	DESCRIPTION	MM/DD/YYYY

REVISIONS

100 LEMARCHANT RD.
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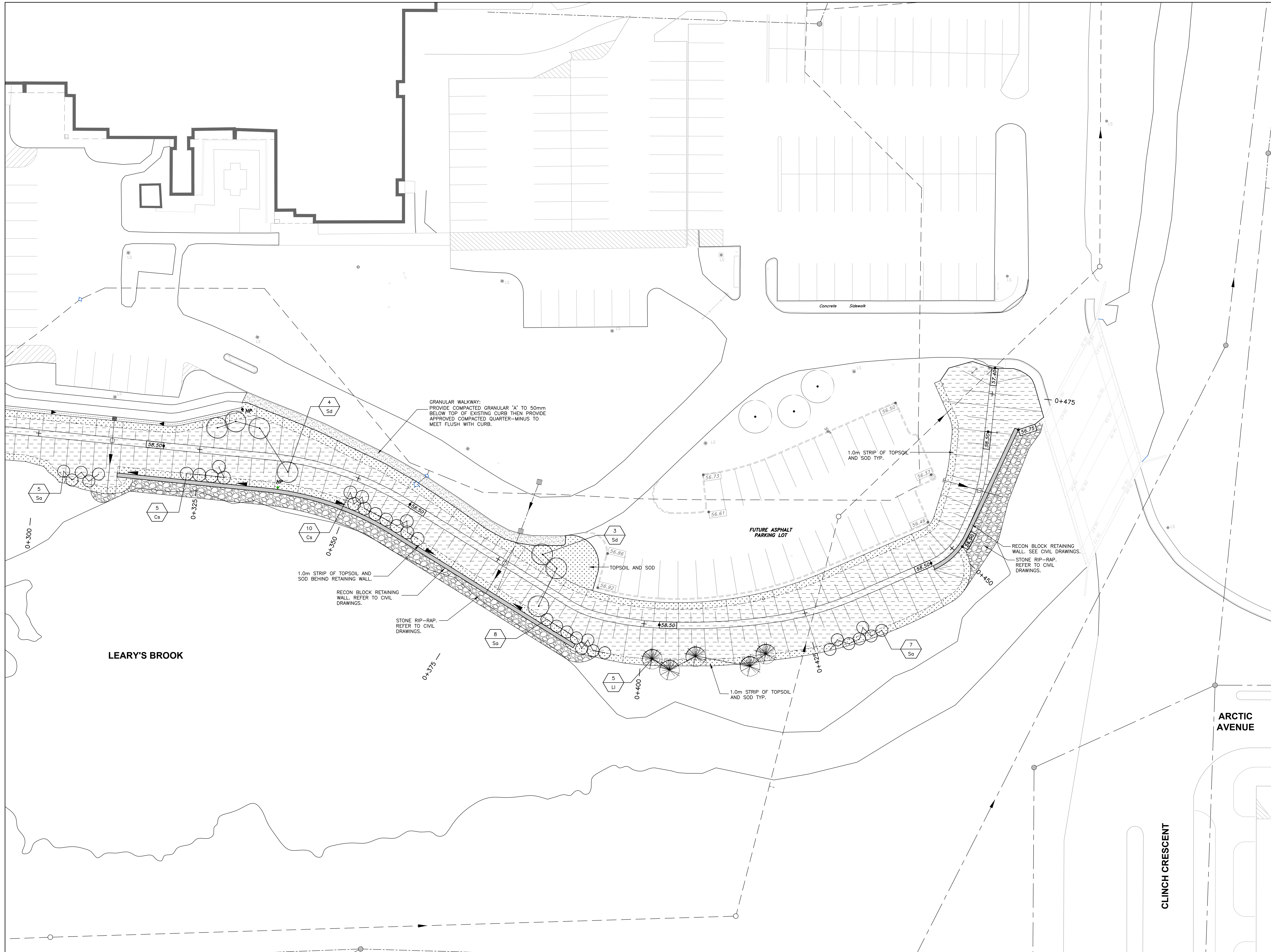
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DRAWING
LANDSCAPE LAYOUT

DESIGNED TRACT	DRAWN LW	SCALE 1 : 250
APPROVED TW	DATE JUNE 2016	SHEET L2
PROJECT NO. EHLTH-1613		SHEET 2 of 3

EX. 43825
I.E. 54.08
I.E. 54.04



NOTES

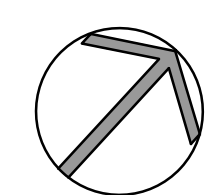
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DESIGNED TRACT	DRAWN LW	SCALE 1 : 250
APPROVED TW	DATE JUNE 2016	SHEET L3
PROJECT NO. EHLTH-1613		SHEET 3 of 3