LEGEND

EXISTING	DESCRIPTION	PROPOSED
W 200ø PVC	WATERMAIN (SIZE NOTED)	
S 200ø PVC	SANITARY SEWER (SIZE NOTED)	
D 200ø PVC	STORM DRAIN (SIZE NOTED)	D 200ø PVC
	PERFERATED DRAIN (SIZE NOTED)	D 100ø PVC PERF
	CATCH BASIN MANHOLE	CBMH RIM=XX.XXm INV.=XX.XXm
	STORM CLEANOUT	DCO INV.=X.XXm
	DITCH/SWALE	
GAS 60ø PE	GAS	
UG HYDRO	UNDERGROUND BC HYDRO	
	UTILITY POLE	
	SIGN	
GC	GARBAGE CAN	
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	TOP OF SLOPE	
	TOE OF SLOPE	
X	FENCE	
	TREE/TREELINE	

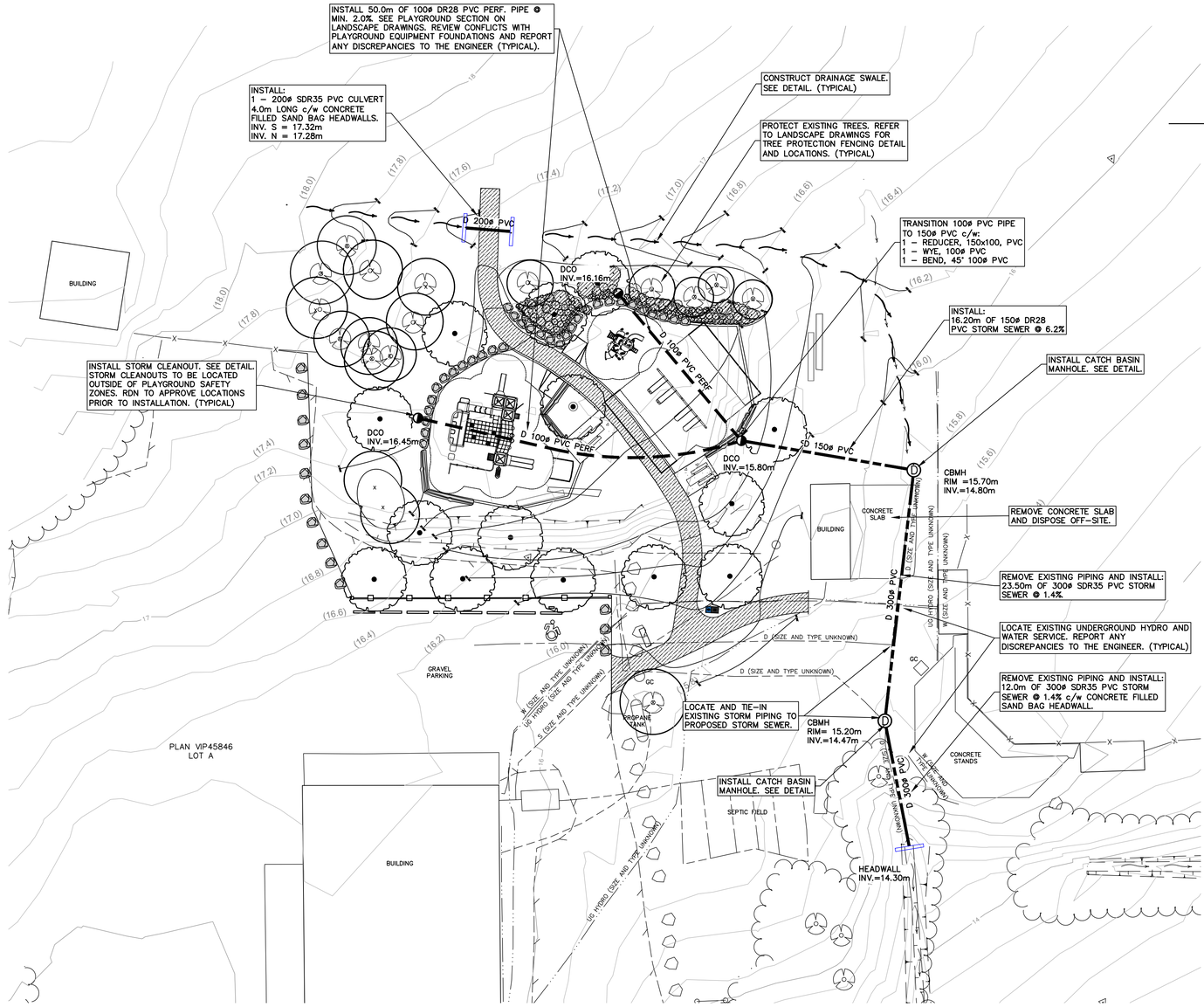
ATTENTION:
DO NOT RELY ON THIS INFORMATION ALONE.
CONTRACTOR MUST HAND DIG TO EXPOSE UNDERGROUND UTILITIES AT SEVERAL LOCATIONS TO DETERMINE THE EXACT LOCATIONS AND DEPTHS BEFORE USING ANY MECHANIZED EQUIPMENT. ALL LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. THE RDN WILL NOT ACCEPT RESPONSIBILITY FOR ERRORS OR OMISSIONS.

DRAWING LIST

DWG. No.	SHEET No.	DRAWING TITLE
2165-02	1/2	LOCATION PLAN, SITE PLAN, DRAWING LIST, LEGEND AND GENERAL NOTES
2165-03	2/2	MISCELLANEOUS DETAILS



LOCATION PLAN
NTS



SITE PLAN
1:250 0 5 15m

1:250 0 5 15m

GENERAL NOTES

1. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH THE NAMES OF THE CONTRACTOR'S EMERGENCY PERSONNEL AND THEIR AFTER HOUR PHONE NUMBERS.
2. ALL SURVEY MONUMENTS AND PROPERTY PINS WITHIN THE PROJECT BOUNDARIES SHALL BE PROTECTED DURING THE COURSE OF THE WORK. SHOULD ANY SURVEY MONUMENTS OR PINS REQUIRE RAISING OR RELOCATION, THE CONTRACTOR SHALL NOTIFY THE OWNER AT LEAST 72 HOURS IN ADVANCE OF SCHEDULING WORK. ALL DISTURBED MONUMENTS AND PINS WILL BE REPLACED BY A B.C. LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
3. ALL REQUESTED CHANGES TO THE APPROVED ENGINEERING DESIGN DRAWINGS SHALL BE SUBMITTED BY CONTEMPLATED CHANGE ORDER PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
4. ALL OPEN CUT EXCAVATIONS SHALL BE BACKFILLED BY THE END OF THE WORKING DAY UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
5. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SIGNAGE, BARRIERS, ETC. AT ALL TIMES TO ENSURE THE SAFETY OF THE PUBLIC.
6. ALL PUBLIC ROADWAYS AFFECTED BY THE WORKS SHALL BE KEPT IN A CLEAN STATE AT ALL TIMES. DUST CONTROL MEASURES SHALL ALSO BE EMPLOYED DURING THE COURSE OF THE WORK.
7. WORKING HOURS FOR CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RDN BYLAWS AND MOTI REQUIREMENTS, WITH NO WORK PERFORMED ON SUNDAY. NO WORK SHALL TAKE PLACE ON ANY STATUTORY HOLIDAY.
8. ALL LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND ARE NOT NECESSARILY SHOWN. ACTUAL LOCATIONS SHOULD BE CONFIRMED BY MANUAL EXCAVATION.
9. ALL STRUCTURES ARE NOT NECESSARILY SHOWN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING SURFACE AND UNDERGROUND UTILITIES THAT MAY AFFECT THE WORK.

STORM SEWER NOTES

1. ALL STORM SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS.
2. ALL PIPE SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS. ALL BACKFILL WILL BE IMPORTED GRANULAR MATERIAL. BEDDING AND BACKFILL MATERIALS SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR UNLESS OTHERWISE SPECIFIED ON THE APPROVED ENGINEERING DRAWINGS.

PROJECT SPECIFIC NOTES

1. ELEVATIONS ARE TO METRIC GEODETIC DATUM BASED ON MONUMENT 77C534 EL.=4.214M.
2. CONTOUR INTERVALS ARE 0.20m
3. LOCATION OF BOULDERS, CURB STOPS, AND GARBAGE CANS ARE APPROXIMATE BASED ON THE AERIAL PHOTO.
4. CONTRACTOR TO STAY FAR AWAY FROM EXISTING UTILITY POLES DURING CONSTRUCTION.
5. CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE ALL BROKEN OR DISTURBED PIPES, CONDUITS, ROADWAYS OR STRUCTURES THAT ARE DAMAGED DURING CONSTRUCTION. EXISTING PIPING IS TO BE ADEQUATELY SUPPORTED AND PROTECTED WHERE NEW PIPING CROSSES OVER OR UNDER EXISTING UTILITIES.
6. ALL WASTE MATERIAL TO BE REMOVED FROM THE PROJECT AREA AND DISPOSED AT A SITE SECURED BY THE CONTRACTOR. NO ONSITE DUMPING WILL BE PERMITTED.
7. FILL AND COMPACT PLAYGROUND AREA WITH APPROVED IMPORT GRANULAR MATERIAL TO SUBGRADE PRIOR TO DRAIN PIPE INSTALLATION.

KOERS & ASSOCIATES ENGINEERING LTD.
Consulting Engineers
P.O. Box 790, 194 Memorial Ave. Ph: 250-248-3151
Parksville, BC V9P 2G8 www.koers-eng.com Fax: 250-248-5362

RECORD OF REVISIONS

REV	DATE	BY	ENG	DESCRIPTION

NOT FOR CONSTRUCTION

ISS	DATE	BY	ENG	DESCRIPTION
B	11JUL22	BRC	MP	TENDER
A	04JUL22	BRC	MP	CLIENT REVIEW

RECORD OF ISSUE

SEAL
PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA M. B. PALMER
Jul. 11 2022
PERMIT TO PRACTICE No. 1001658

PROJECT NO.	2165
DRAWN	BRC
DESIGNED	BRC/MP
CHECKED	MP
APPROVED	MP
DATE	DECEMBER 2021
SCALE	AS NOTED

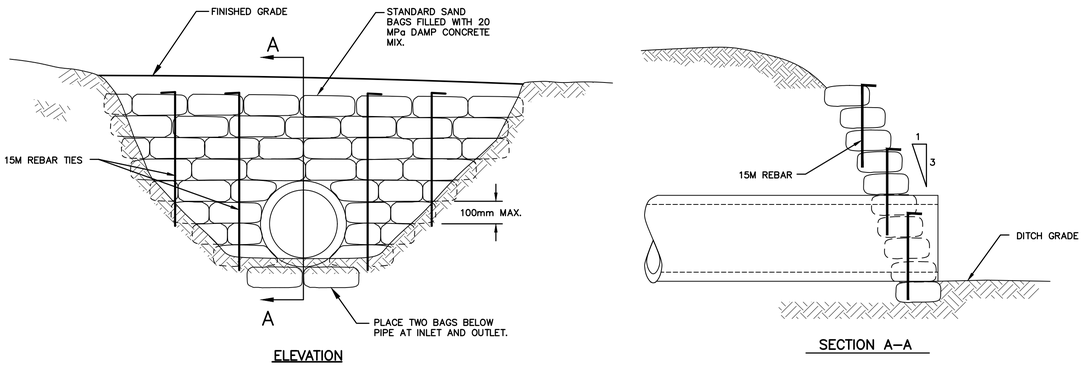
CLIENT
REGIONAL DISTRICT OF NANAIMO

PROJECT
LIONS COMMUNITY PARK
STORM DRAINAGE IMPROVEMENTS

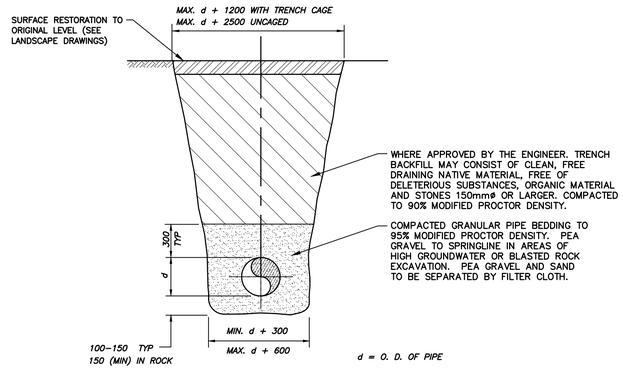
TITLE
LOCATION PLAN, SITE PLAN DRAWING LIST, LEGEND AND GENERAL NOTES

DRAWING No.	REV.	SHEET
2165-02		1/2

File: 2165 Base.dwg Plot Time: Jul 07, 2022 – 11:10am User: bcartmell



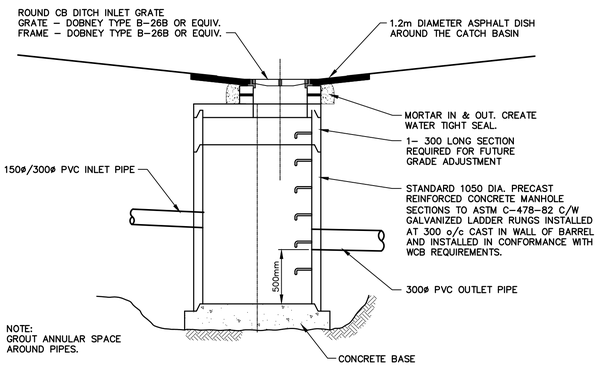
CONCRETE FILLED SAND BAG HEADWALL DETAIL
N.T.S.



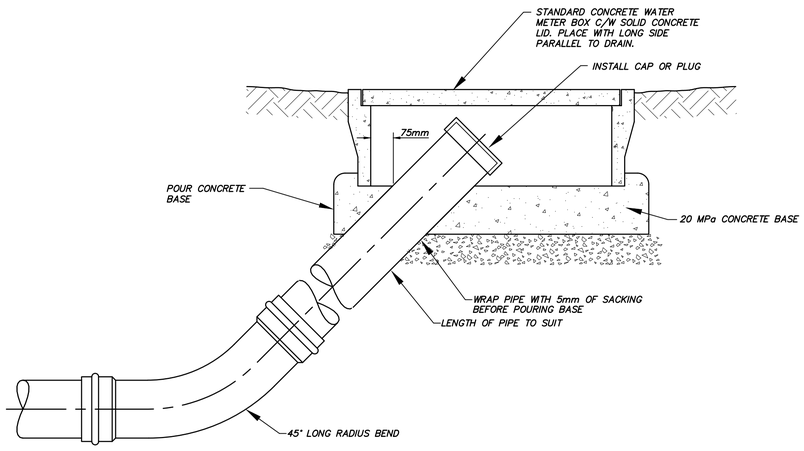
TYPICAL TRENCH SECTION
SINGLE UTILITY INSTALLATION
UNTRAVELLED AREAS

DRAINAGE SWALE DETAIL
NTS

PERFORATED TRENCH DETAIL
NTS



CATCH BASIN MANHOLE DETAIL
N.T.S



100ø STORM CLEANOUT DETAIL
N.T.S.

KOERS & ASSOCIATES ENGINEERING LTD.
Consulting Engineers
P.O. Box 790, 194 Memorial Ave. Ph: 250-248-3151
Parksville, BC V9P 2G8 www.koers-eng.com Fax: 250-248-5362

RECORD OF REVISIONS

REV	DATE	BY	ENG	DESCRIPTION

NOT FOR CONSTRUCTION

ISS	DATE	BY	ENG	DESCRIPTION
B	11JUL22	BRC	MP	TENDER
A	04JUL22	BRC	MP	CLIENT REVIEW

RECORD OF ISSUE

SEAL

PERMIT TO PRACTICE No. 1001658

PROJECT NO.	2165
DRAWN	BRC
DESIGNED	BRC/MP
CHECKED	MP
APPROVED	MP
DATE	DECEMBER 2021
SCALE	AS NOTED

CLIENT

REGIONAL DISTRICT OF NANAIMO

PROJECT

LIONS COMMUNITY PARK

STORM DRAINAGE IMPROVEMENTS

TITLE

MISCELLANEOUS DETAILS

DRAWING No.	REV.	SHEET
2165–03		2/2

File: 2165 Base.dwg Plot Time: Jul 07, 2022 – 11:10am User: bcartmell