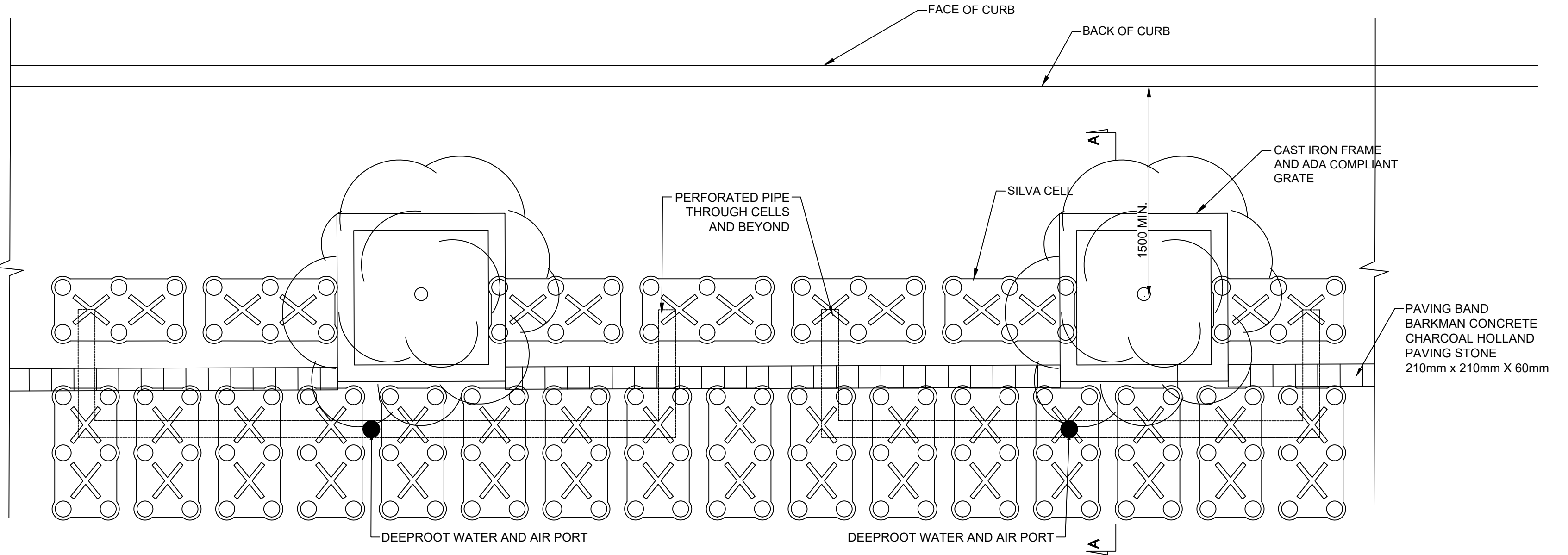
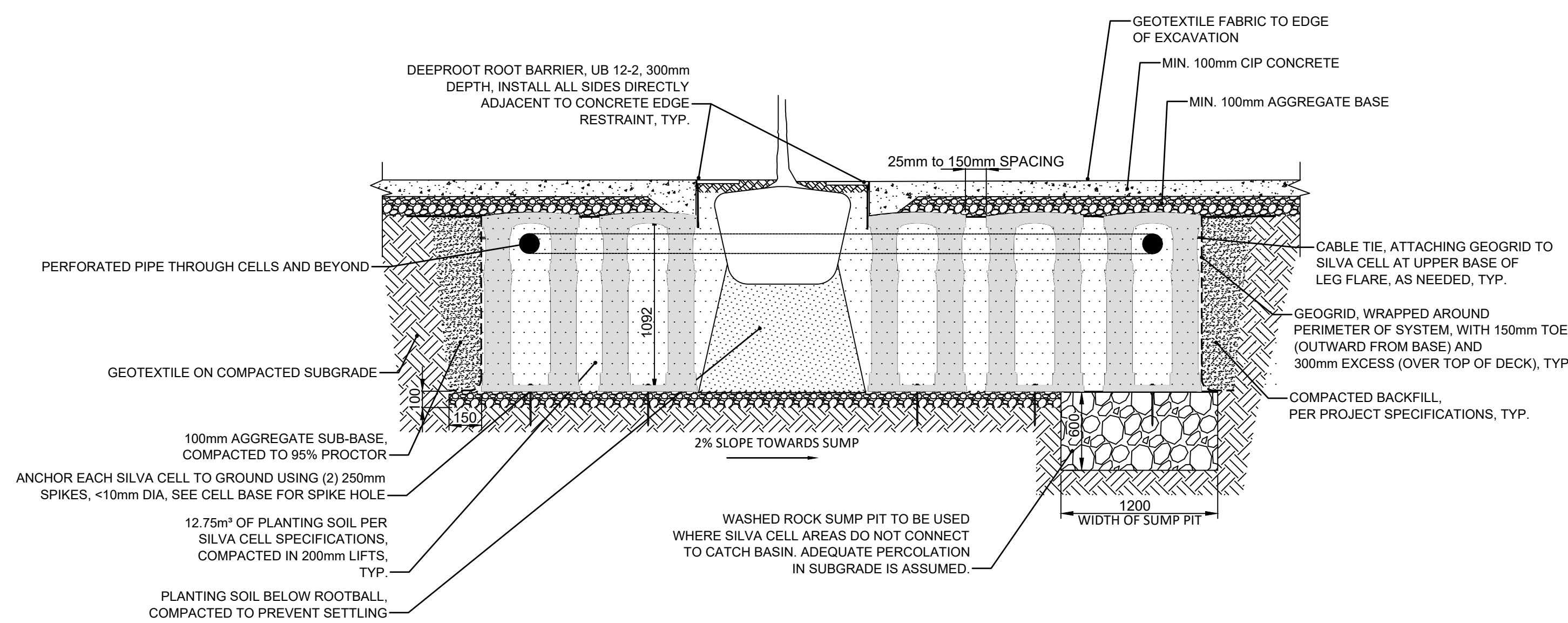


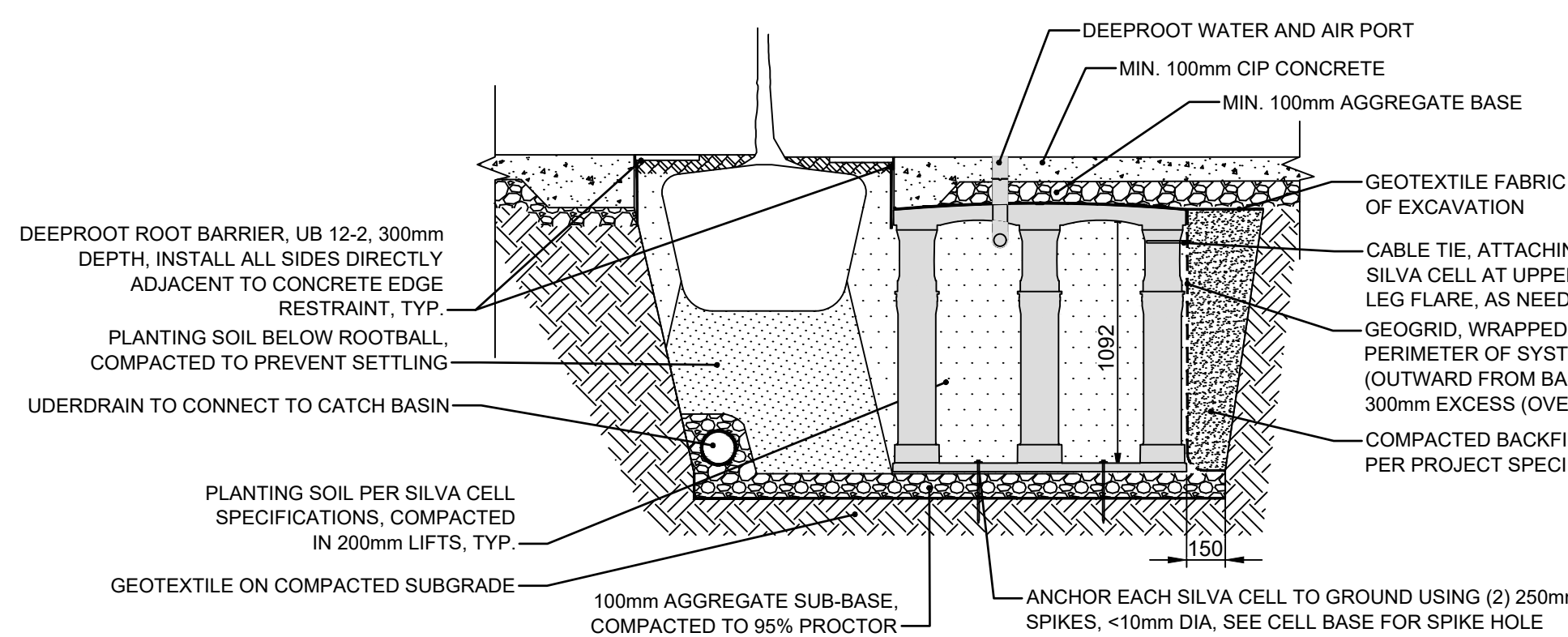
TYPICAL SILVA CELL LAYOUT - OVERHEAD VIEW - SUMP PIT
N.T.S.



SILVA CELL LAYOUT - OVERHEAD VIEW - WITH SUBDRAIN
N.T.S.



B CONCRETE SIDEWALK AND TREE PIT WITH SUMP, 3X SILVA CELL SYSTEM
N.T.S.



A CONCRETE SIDEWALK AND TREE PIT WITH UNDERDRAIN, 3X SILVA CELL SYSTEM
N.T.S.

- CONSTRUCTION NOTES**
- INSTALL DETECTABLE WARNING SURFACE TILE AT CURB RAMP AS PER SD-228AA (TYP.)
 - REMOVE EXISTING CONCRETE SIDEWALK AND CURB AND CONSTRUCT NEW MONOLITHIC CURB AND SIDEWALK WITH BLOCKOUTS (SEE DETAIL)
 - REMOVE EXISTING INTERLOCKING PAVING STONE SIDEWALK AND CURB AND CONSTRUCT NEW MONOLITHIC CURB AND SIDEWALK WITH BLOCKOUTS (SEE SE-22-124)
 - REGRADE EXISTING PAVING STONES
 - CONSTRUCT 12.75 m³ SILVA CELL WITH A SUMP PIT, TREE WELL CURBING, ADA COMPLIANT - 8709-A 48"x48" GRATE AND FRAME; NEW TREE TO BE SUPPLIED AND PLANTED BY OTHERS (SEE SE-22-125)
 - CONSTRUCT 25.5 m³ SILVA CELL WITH DRAINAGE CONNECTED TO EXISTING CB, AND ADA COMPLIANT GRATES AND FRAMES; NEW TREES TO BE SUPPLIED AND PLANTED BY OTHERS (SEE SE-22-125)
 - TREE REMOVAL AS PER CW 3010-R4
 - REMOVE TREE WELL CURBING AND SOIL AND CONSTRUCT NEW MONOLITHIC CURB AND SIDEWALK (SD-228B)

- GENERAL NOTES**
- UTILITY DIMENSIONS ARE TO BACK OF CURB
 - ALL CURB RADII UNDER 15.0m SHALL BE MODIFIED
 - PAVING BAND ALIGNMENT TO BE DIRECTED BY CONTRACT ADMINISTRATOR
 - CURB REPLACEMENT AS DIRECTED BY CONTRACT ADMINISTRATOR
 - CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION
 - USE EXTREME CAUTION WHEN WORKING ABOVE UTILITY VAULTS
 - CONTRACTOR TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE CONSTRUCTION LIMITS AS PER CW 1140
 - CURB REPLACEMENT AS DIRECTED BY CONTRACT ADMINISTRATOR
 - PAVING STONE INSTALLATION AS DIRECTED BY CONTRACT ADMINISTRATOR
 - NEW TREES SUPPLIED AND PLANTED BY OTHERS, MIN. 1500 FROM BACK OF CURB
 - ADJUST ALL CURB STOPS AND WATER VALVES TO GRADE

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

METRIC
WHOLE NUMBERS INDICATE MILLIMETERS
DECIMALIZED NUMBERS INDICATE METERS
TENDER NO. 333-2022

EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED
⊕	HYDRANT	◆	---	LDS/WWS	---
⊗	VALVE	●	---	WATERMAIN	---
⊙	CURB STOP	○	---	GAS	---
⊖	MANHOLE	●	---	TRAFFIC SIGNALS	⊠
⊠	CATCH BASIN	⊠	---	HYDRO/STREET LIGHT	⊠
△	CURB INLET	▲	---	MTS/SHAW	---
⊙	HYDRO POLE	●	---	CURB RENEWAL	---
⊙	LIGHT STANDARD	●	---	PROPERTY LINE	---
⊙	TRAFFIC SIGNAL POLE	●	---	RAMP CURB	---
+	SURVEY BAR	+	231.000	ELEVATIONS	(31.000)
⊕	GEODETIC BENCH MARK	⊕		TREE	⊕

LOCATION APPROVED
UNDERGROUND STRUCTURES

CONCRETE
CONCRETE SIDEWALK
ASPHALT
UTILITY BOX
BRICK

DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. IB @ NW CORNER ELLICE AVE & KENNEDY ST
ELEV. 232.359

ENGINEERING DIVISION
TECHNOLOGY SERVICES BRANCH
106 - 1155 PACIFIC AVE

DESIGNED BY C.W.
CHECKED BY R.W.

DRAWN BY C.W.
APPROVED BY

HOR. SCALE: 1 : 250
VERTICAL: 1 : 10

DATE 2022/06/09

1. SUBMIT FOR PLAN APPROVAL 22/06/01 C.W.

NO. REVISIONS DATE BY

ENGINEER'S SEAL
PROVINCE OF MANITOBA
M.E. WARKENTIN
Member
31162
REGISTERED PROFESSIONAL ENGINEER
2022-06-13

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

ELLICE AVENUE
FROM COLONY STREET TO KENNEDY STREET
SIDEWALK RENEWAL & SILVA CELL INSTALLATION
SECTION DRAWINGS & DETAILS

CITY DRAWING NUMBER SE-22-125
SHEET 3 OF 3
3