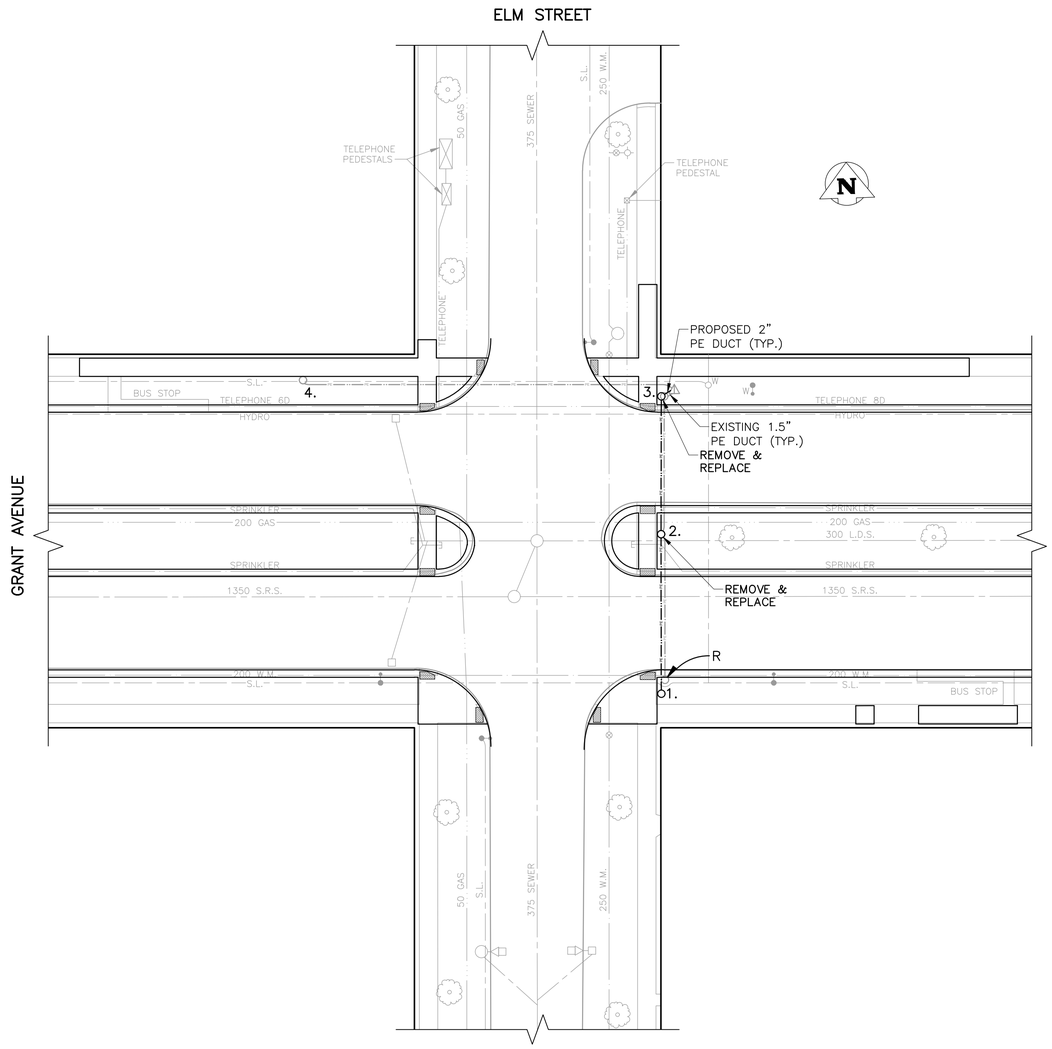
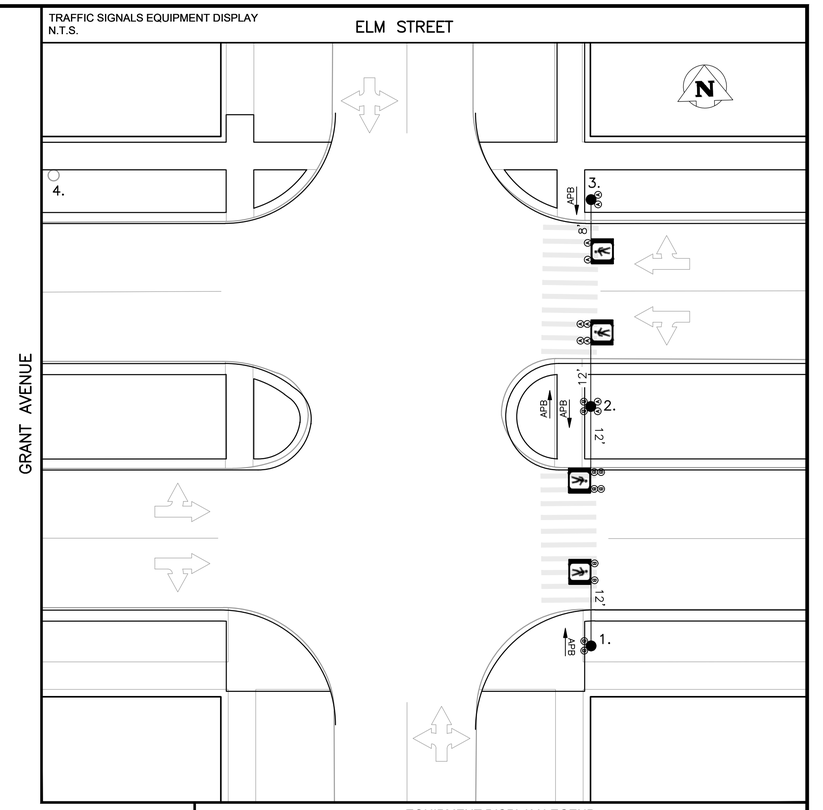


PLAN VIEW: UNDERGROUND CONSTRUCTION

1:250

TRAFFIC SIGNALS EQUIPMENT DISPLAY
N.T.S.



EQUIPMENT DISPLAY LEGEND

EXISTING —— PROPOSED (AS SHOWN BELOW) ——

- PEDESTRIAN HEAD WITH PCS
- VEHICLE DETECTION AREA
- TRAFFIC SIGNAL HEAD
- 12' LOW ARM (SHOWN FROM CENTRE) HIGH ARM (SHOWN FROM SIDE)
- PEDESTRIAN CORRIDOR BOX
- PB PUSH BUTTON & DIRECTION (APB = AUDIBLE PB)
- TRAFFIC SIGNAL POLE
- (R) RED FLASHER
- LUMINAIRE
- RRFB (PHASE "A" OR "B")
- EB APS SINGLE DIRECTION
- APS DUAL DIRECTION (2 SEPARATE SPEAKERS)
- (A) AMBER FLASHER (CIRCUIT "A" OR "B")
- CAMERA

NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	CANTILEVER	12'	OD	DC
2.	DOUBLE CANTILEVER	12'/12'	OD	DC
3.	DAVIT	12'	OD	DD
4.	HYDRO WOOD			
	SERVICE:			

NO.	EQUIPMENT LIST	ARM	BASE	B.B.

TRAFFIC SIGNALS UNDERGROUND LEGEND

EXISTING / ABANDONED —— PROPOSED (AS SHOWN BELOW) / DISCONNECTED (LOOPS ONLY) ——

- 1 1/2" PE CONDUIT
- 2" PE CONDUIT
- 4" PVC CONDUIT
- AERIAL / BURIED CABLE
- CONDUIT STUB
- BREAK-IN
- SPLICE
- SAW-CUT LOOPS (1, 2)
- PREFORMED LOOPS (1, 2)
- POLE BASE
- CONTROLLER BASE (C)
- PEDESTAL BASE (P)
- TERMINAL BASE (T)
- SERVICE BOX (PIT)
- 24" PRECAST PIT
- 30" PRECAST PIT
- 36" PRECAST PIT
- REMOVAL (R)

SIGNAL BASE BOLT SQUARE TYPES

TYPE "A" - 8 1/8"
TYPE "B" - 6 3/4"
TYPE "C" - 8 1/8" SCREW TYPE
TYPE "D" - 12 3/4", 1 1/4" DIA. BOLTS, 24" DIA.
TYPE "DD" - 12 3/4", 1 1/4" DIA. BOLTS, 28" DIA.
TYPE "PD" - 12 3/4", PRECAST, 1 1/4" DIA. BOLTS
TYPE "E" - 9 9/16" SCREW TYPE
TYPE "F" - 9 9/16"
TYPE "G" - 8 1/8", 1 1/4" DIA. BOLTS, 89mm PROJ.
TYPE "GS" - 8 1/8", 1 1/4" DIA. BOLTS, 76mm PROJ.
TYPE "PG" - 8 1/8", PRECAST, 1 1/4" DIA. BOLTS
TYPE "H" - 9 7/8" SCREW TYPE
TYPE "I" - 7 3/4"
TYPE "J" - 10 5/8", 1 1/4" DIA. BOLTS
TYPE "K" - 10 5/8", PRECAST, 1 1/4" DIA. BOLTS
TYPE "L" - 6", 5/8" DIA. BOLTS
TYPE "PM" - 8 1/8", PRECAST, 5/8" DIA. BOLTS

EXISTING	LEGEND	PROPOSED	EXISTING	LEGEND	PROPOSED	EXISTING	LEGEND	PROPOSED
150 WM	WATERMAIN	150 WM		PROPERTY LINE		TELEPHONE	TELEPHONE	TELEPHONE
	HYDRANT			ROADWAY		COMMUNICATION	COMMUNICATION	COMMUNICATION
	VALVE			SIDEWALK		W	WOOD POLE	W
300 SEWER	SEWER	300 SEWER		CURB & CURB RAMP			STREET LIGHT	
	MANHOLE			WARNING TILE			BANNER POLE	
	CATCH BASIN			SLOPE			RAILWAY POLE	
	CURB INLET			CULVERT			GUY-WIRE	
HYDRO	HYDRO	HYDRO		BUILDING			FENCE	
100 GAS	GAS	100 GAS		TREE			GUARDRAIL	

UNDERGROUND STRUCTURES

UNDERGROUND STRUCTURES ID

DATE (YYYY/MM/DD)

WATER & WASTE REVIEW ID

NOTE:
LOCATIONS 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.

CONSTRUCTION REVISIONS

NO.	REVISION	DATE (YYYY/MM/DD)	BY
A	PRELIMINARY DESIGN		

R.S. — DESIGNED BY

R.S. — DRAWN BY

CHECKED BY

APPROVED BY

ACCOUNTS:
WT PENDING

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ENGINEER'S SEAL:

PRELIMINARY

NOT FOR CONSTRUCTION

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

PEDESTRIAN CORRIDOR
ELM ST. & GRANT AVE.

UNITS:
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER:
S-1019

V:\Traffic Signals\01 Intersections\Elm & Grant S-1019\02 Design\Preliminary_Elm & Grant S-1019.dwg