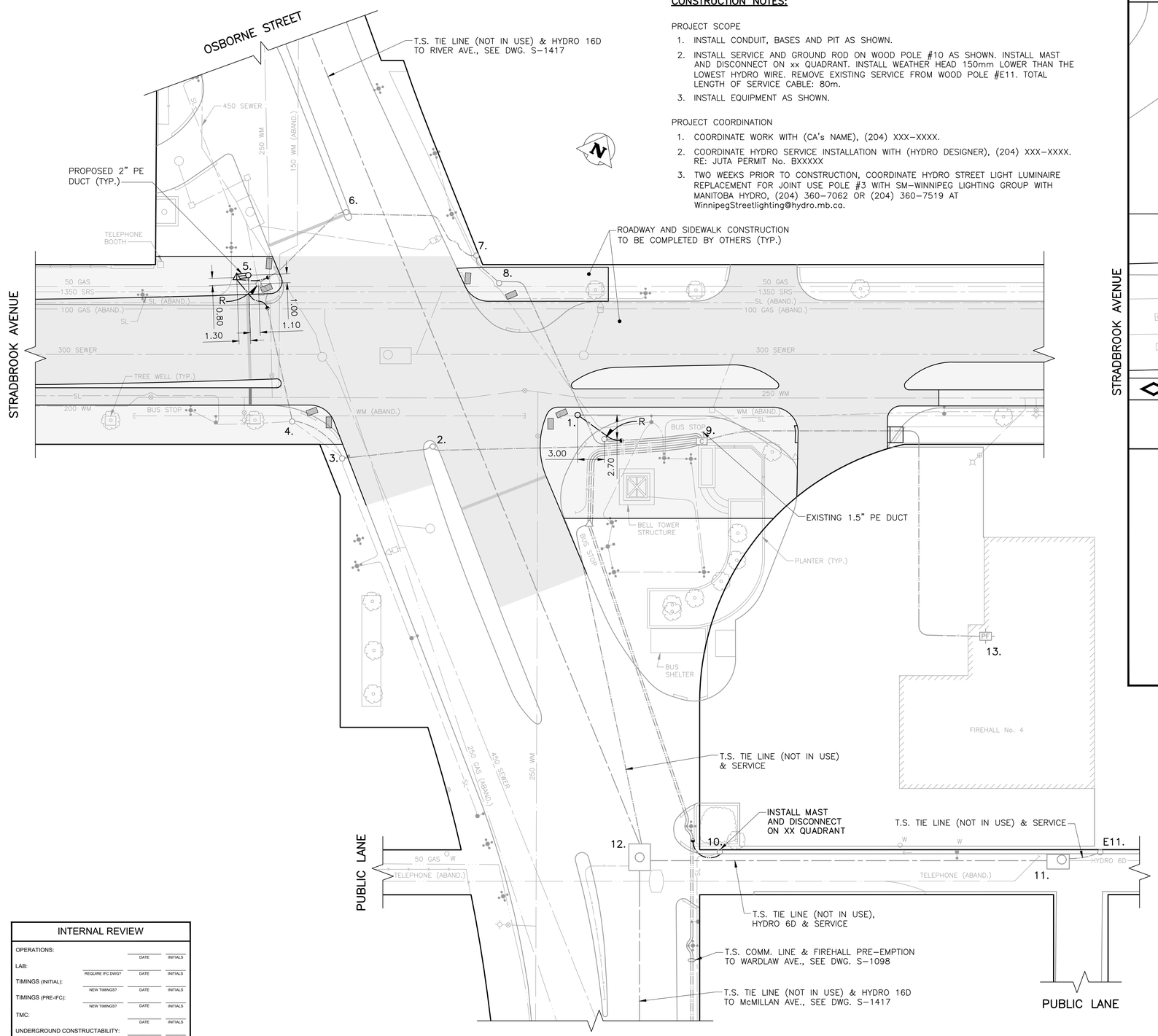
CONSTRUCTION NOTES:

PROJECT SCOPE

1. INSTALL CONDUIT, BASES AND PIT AS SHOWN.
2. INSTALL SERVICE AND GROUND ROD ON WOOD POLE #10 AS SHOWN. INSTALL MAST AND DISCONNECT ON xx QUADRANT. INSTALL WEATHER HEAD 150mm LOWER THAN THE LOWEST HYDRO WIRE. REMOVE EXISTING SERVICE FROM WOOD POLE #E11. TOTAL LENGTH OF SERVICE CABLE: 80m.
3. INSTALL EQUIPMENT AS SHOWN.

PROJECT COORDINATION

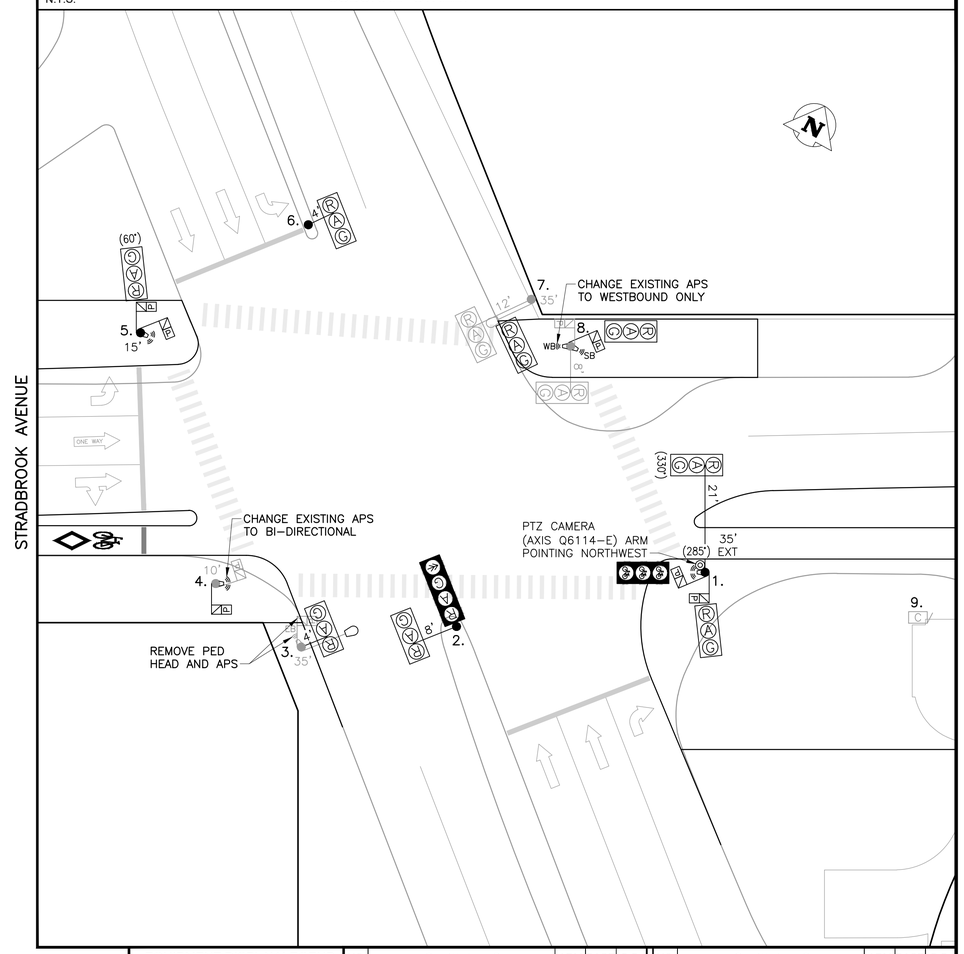
1. COORDINATE WORK WITH (CA's NAME), (204) XXX–XXXX.
2. COORDINATE HYDRO SERVICE INSTALLATION WITH (HYDRO DESIGNER), (204) XXX–XXXX. RE: JUTA PERMIT No. BXXXXX
3. TWO WEEKS PRIOR TO CONSTRUCTION, COORDINATE HYDRO STREET LIGHT LUMINAIRE REPLACEMENT FOR JOINT USE POLE #3 WITH SM–WINNIPEG LIGHTING GROUP WITH MANITOBA HYDRO, (204) 360–7062 OR (204) 360–7519 AT WinnipegStreetlighting@hydro.mb.ca.



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
- PEDESTRIAN CORRIDOR BOX (CIRCUIT 1/2/3/4)
- RRFB (PHASE "A" OR "B")
- VEHICLE DETECTION AREA
- PUSH BUTTON & DIRECTION (APB = AUDIBLE PB)
- APS SINGLE DIRECTION
- APS DUAL DIRECTION (2 SEPARATE SPEAKERS)
- TRAFFIC SIGNAL HEAD
- TRAFFIC SIGNAL POLE
- WOOD POST
- ELECTRONIC DISPLAY
- RED FLASHER
- AMBER FLASHER
- LUMINAIRE
- CAMERA
- 12' LOW ARM (SHOWN FROM CENTRE) / HIGH ARM (SHOWN FROM SIDE)

NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	CANTILEVER W/ 35' VERTICAL EXTENSION FOR CAMERA	21'	OD	FIXED
2.	DAVIT	8'	B	BD
3.	35' SIGNAL FOR XX WATT (20000 LUMEN) LUMINAIRE	4'	A	A
4.	10' SIGNAL		A	A
5.	15' SIGNAL		G	G
6.	CANTILEVER	4'	G	GC
7.	35' SIGNAL FOR 240 WATT (20000 LUMEN) LUMINAIRE	12'	OD	DD
8.	DAVIT	8'	A	AD
9.	332 CABINET/170 CONTROLLER			
10.	HYDRO WOOD #XXXXXX SERVICE:			
11.	HYDRO MH No. SB22006–AA T.S. TIE LINE EAST			
12.	HYDRO MH No. SB22006 T.S. TIE LINE NORTH, SOUTH & EAST			
13.	FIREHALL PRE–EMPTION			
E11.	HYDRO WOOD SERVICE (TO BE REMOVED)			

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
- PREFORMED LOOPS
- POLE BASE
- WOOD POST
- CONTROLLER BASE
- PEDESTAL BASE
- TERMINAL BASE
- SERVICE BOX (PIT)
- 24" PRECAST PIT
- 30" PRECAST PIT
- 36" PRECAST PIT
- REMOVAL

SIGNAL BASE BOLT SQUARE TYPES

BOLT SQUARE (B.S.) — DIA.

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 "OD" - 12 3/4", 1 1/4" DIA. BOLTS, 28" DIA.
TYPE "POD" - 12 3/4", PRECAST, 1 1/4" DIA. BOLTS, 28" DIA.
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

INTERNAL REVIEW

		DATE	INITIALS
OPERATIONS:			
LAB:	REQUIRE IFC DWG?	DATE	INITIALS
TIMINGS (INITIAL):	NEW TIMINGS?	DATE	INITIALS
TIMINGS (PRE-IFC):	NEW TIMINGS?	DATE	INITIALS
TMC:		DATE	INITIALS
UNDERGROUND CONSTRUCTABILITY:		DATE	INITIALS
STREET LIGHTING:		DATE	INITIALS
TRAFFIC MANAGEMENT:		DATE	INITIALS

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
	SHUTOFF VALVE			CURB & CURB RAMP			STREET LIGHT	
300 SEWER	SEWER	300 SEWER		WARNING TILE			BANNER POLE	
	MANHOLE			CULVERT			RAILWAY POLE	
	CATCH BASIN			BUILDING			GUY-WIRE	
	CURB INLET			TREE			FENCE	
HYDRO	HYDRO	HYDRO	100 GAS	GAS	100 GAS		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	ISSUED FOR INTERNAL REVIEW		

DESIGNED BY: R.S.
DRAWN BY: R.S.
CHECKED BY: C.H.
APPROVED BY:

ACCOUNTS: WT PENDING

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ENGINEER'S SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

TRAFFIC SIGNALS
OSBORNE ST. & STRADBROOK AVE.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1482

V:\Traffic-Signal\01 Intersection\Osborne & Stradbrook S-1482\02 Design\Preliminary_Osborne & Stradbrook S-1482.dwg