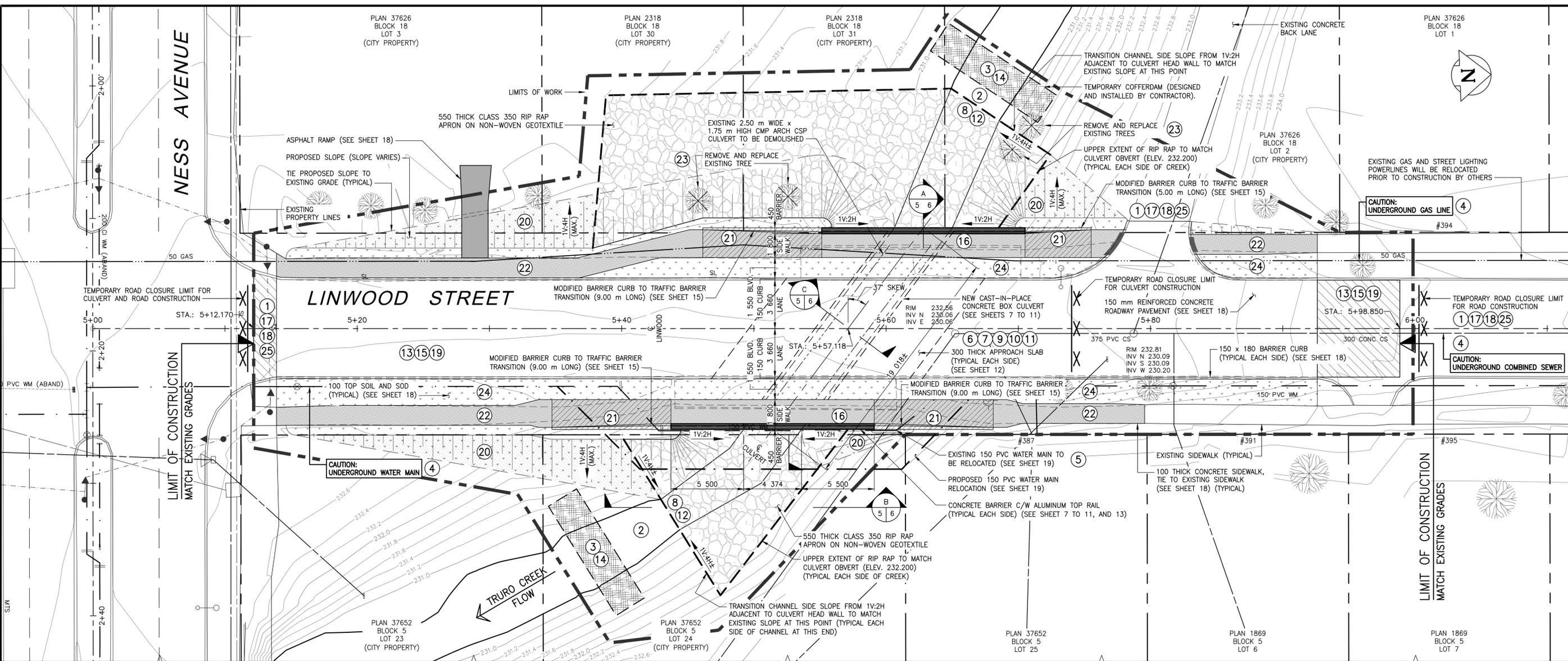


A1 SIZE (594 mm x 841 mm)
 Plotfile: November 24, 2017 at 10:34:54 AM | Last saved by: Poleranso
 File: P:\2017\17M-00806-00 - Truro Creek Culvert Replacements\MM Drawings\17M-00806-00 Truro Creek Culvert Replacements DD Linwood 05 06 general arrangement.dwg | Layout: 5 Proposed General Arrangement Plan and Scope of Work
 SLW



PROPOSED GENERAL ARRANGEMENT PLAN

SCALE: 1:150
 0 5 10 15 Meters

MAJOR ITEMS OF WORK	
ITEM	DESCRIPTION
WINTER MOBILIZATION	
1	IMPLEMENT TRAFFIC STAGING/ CONTROL MEASURES FOR CULVERT WORKS
2	IMPLEMENT ENVIRONMENTAL CONTROL MEASURES
3	INSTALL TEMPORARY COFFERDAMS UPSTREAM AND DOWNSTREAM OF WORK SITE AND PROVIDE CREEK FLOW MAINTENANCE PUMPING AS REQUIRED
4	SOFT DIG UTILITIES TO CONFIRM LOCATION AND ELEVATION. IMPLEMENT EXISTING UTILITY PROTECTION MEASURES
5	PERFORM WATER MAIN RENEWALS
6	PERFORM EXCAVATION FOR NEW CULVERT
7	REMOVE AND DISPOSE OF EXISTING 2.50 m WIDE x 1.75 m HIGH CMP ARCH CULVERT AND CONCRETE HEADWALLS
8	PERFORM CREEK EXCAVATION AND SLOPE STABILIZATION
9	PREPARE BEARING SURFACE FOR CULVERT AND HEAD WALLS
10	CONSTRUCT CAST-IN-PLACE CULVERT, HEAD WALLS AND WING WALLS
11	BACKFILL EXCAVATION
12	INSTALL RIP RAP ON GEOTEXTILE FABRIC FOR SLOPE STABILIZATION AND EROSION CONTROL
13	INSTALL ROADWAY SUBBASE AND BASE, INCLUDING SUB DRAINS
14	REMOVE TEMPORARY COFFERDAMS UPSTREAM AND DOWNSTREAM
15	INSTALL TEMPORARY GRANULAR DRIVING SURFACE TO MATCH EXISTING GRADE
16	INSTALL ALUMINUM TOP RAIL
17	DEMobilize & REMOVE TRAFFIC CONTROL MEASURES. MAINTAIN GRANULAR DRIVING SURFACE AND EROSION CONTROL MEASURES

MAJOR ITEMS OF WORK (CONTINUED)	
ITEM	DESCRIPTION
SPRING MOBILIZATION	
18	REMOBILIZE & IMPLEMENT TRAFFIC CONTROL MEASURES
19	INSTALL ROADWAY CONCRETE PAVEMENT AND ASPHALT OVERLAY TO FINAL ROADWAY PROFILE
20	INSTALL CLAY CAP AND FINAL GRADE OF ROADWAY EMBANKMENT AND CREEK EMBANKMENTS
21	CONSTRUCT CONCRETE MODIFIED BARRIER CURB TO TRAFFIC BARRIER TRANSITIONS WITH INTEGRAL CONCRETE SIDEWALKS
22	CONSTRUCT CONCRETE SIDEWALKS
23	PLANT TREES WHERE REQUIRED
24	INSTALL TOP SOIL, SEED AND SOD
25	DEMobilize & REMOVE TRAFFIC STAGING/CONTROL MEASURES

- NOTE**
- SEE SHEET 4 FOR LEGEND.
 - SEE SHEET 18 FOR ROAD RECONSTRUCTION DETAILS.
 - SEE SHEETS 18 AND 19 FOR EXISTING AND RELOCATED UTILITY DETAILS.
 - THE "MAJOR ITEMS OF WORK" LIST IS NOT A COMPREHENSIVE SCOPE OF WORK. REFER TO THE SPECIFICATION AND DRAWINGS FOR FURTHER DETAILS.
 - EXISTING CURB INLETS, MANHOLE RIMS AND VALVES AS SHOWN SHALL BE ADJUSTED AS REQUIRED TO CONFORM TO THE ROADWAY GRADES (SEE SHEET 18).

- TRAFFIC CONTROL NOTES**
- TRAFFIC CONTROL FOR CULVERT WORKS: IMPLEMENT CLOSURE OF LINWOOD STREET ONLY FOR LIMITS AS REQUIRED WHEN CONSTRUCTING THE CULVERT. MAINTAIN LOCAL ACCESS TO DRIVEWAYS AND EXISTING BACK LANE NORTHWEST OF THE CULVERT AT ALL TIMES.
 - LINWOOD STREET SOUTH OF THE CULVERT AND NORTH OF NESS AVENUE MAY BE USED AS A SITE LAYDOWN AREA DURING CULVERT CONSTRUCTION.
 - TRAFFIC CONTROL AFTER COMPLETION OF CULVERT WORKS AND PRIOR TO SPRING REMOBILIZATION: RE-OPEN LINWOOD STREET.
 - TRAFFIC CONTROL FOR SPRING REMOBILIZATION: IMPLEMENT CLOSURE OF LINWOOD STREET FROM THE NORTH SIDE OF NESS AVENUE TO THE NORTH PROPERTY LINE OF 391 LINWOOD STREET.
 - SIDEWALK CLOSED ACROSS THE CREEK.
 - MUST MAINTAIN PEDESTRIAN ACCESS TO THE HOUSES.

NOTE:
 These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

**ENGINEERS
 GEOSCIENTISTS
 MANITOBA**
 Certificate of Authorization
WSP Canada Group Limited
 No. 6657

LOCATIONS APPROVED UNDERGROUND STRUCTURES	
SIGNED BY:	DATE:
SUPV. U/G STRUCTURES	
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	
G.B.M. = TOP NUT OF FIRST HYDRANT SOUTH OF INTERSECTION BETWEEN NESS AVENUE AND LINWOOD STREET	ELEV. = 233.659
DESIGNED BY:	CHECKED BY:
MLW	WC
DRAWN BY:	APPROVED BY:
CP	JL
HOR. SCALE:	RELEASED FOR CONSTRUCTION:
1:150	
VERTICAL:	DATE:
1:150	17.11.23
No. REVISIONS:	DATE:
0	17.11.23

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ENGINEER'S SEAL

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THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

TRURO CREEK CULVERT REPLACEMENT AT LINWOOD STREET

PROPOSED GENERAL ARRANGEMENT PLAN AND SCOPE OF WORK

CITY DRAWING NUMBER	C321-17-05
BID OPPORTUNITY NUMBER	1014-2017
SHEET OF	5 19
REV	0

CONSULTANT PROJECT No. 17M-00806-00