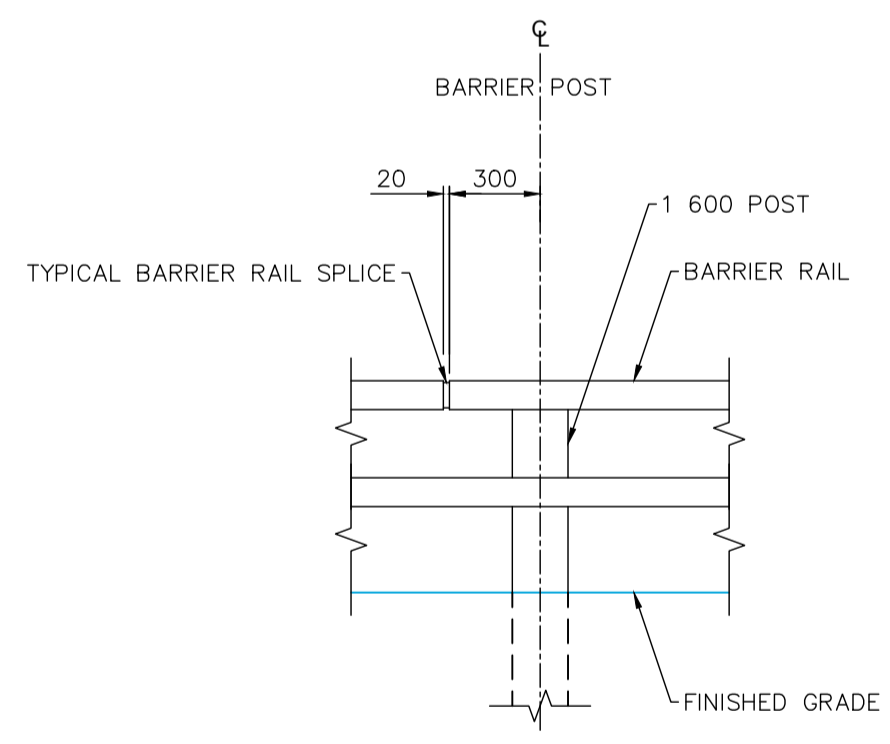
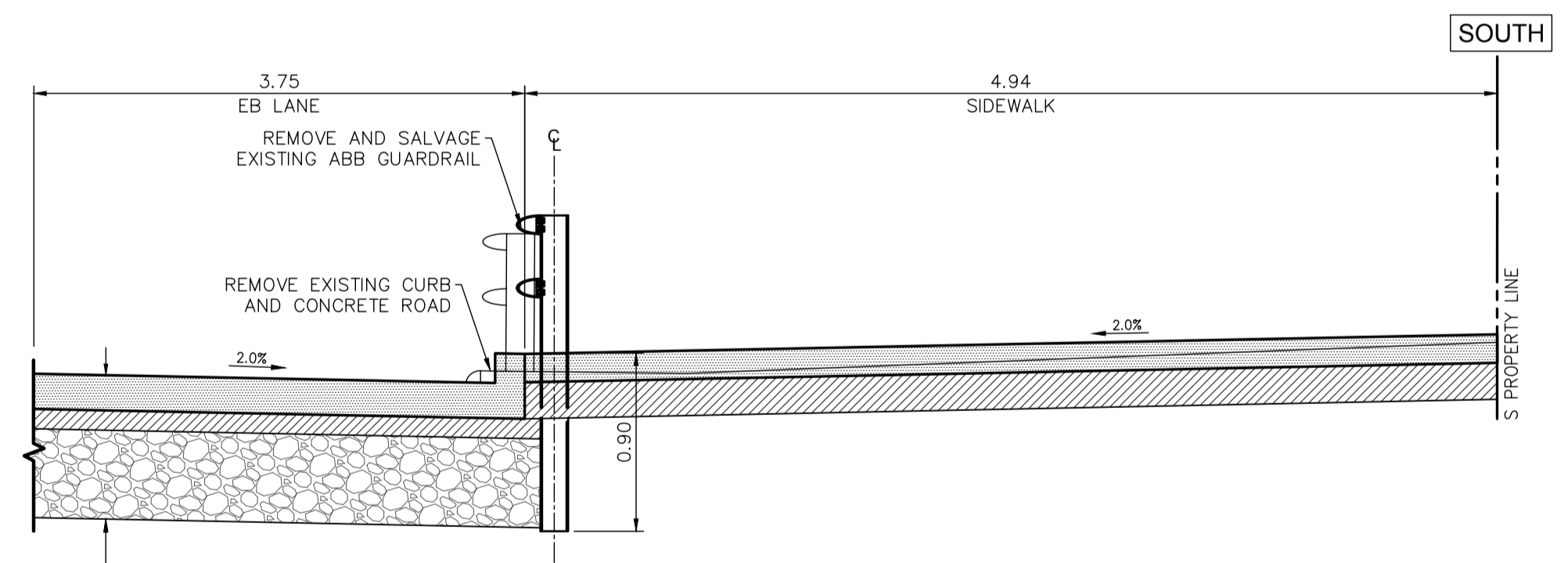


**SOUTH GUARDRAIL**  
SCALE 1:125



**BARRIER SPLICE DETAIL**  
SCALE 1:25



**CROSS SECTION A-A**  
SCALE 1:30

**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.

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
---	WATER MAIN	---	---	SWALE GRADE	(31.255)			
---	LAND DRAINAGE SEWER	---	---	SLOPE	1:1.1			
---	WASTE WATER SEWER	---	---	DIRECTION FLOW	→			
---	HYDRO	●	●	HYDRO POLE & LIGHT STANDARD				
---	M.T.S.	●	●	LIGHT STANDARD OR TRAFFIC SIGNAL				
---	GAS	●	●	HYDRO POLE				
---	SIGNALS	□	□	CURB RAMP				
○	MANHOLE	●	●	DETECTABLE WARNING SURFACE TILE				
□	CATCH BASIN	●	●	EDGE OF SIDEWALK				
△	CURB INLET	▼	▼	FENCE				
△ □ ○	UTILITIES ADJUSTED	△ □ ○	△ □ ○	PROPERTY LINE				
┘	PLUG	┘	┘	EDGE OF ASPHALT				
◇	HYDRANT	◆	◆	EDGE OF CONCRETE				
⊗	VALVE	⊗	⊗	MODIFIED BARRIER CURB				
⊙	CURB STOP	⊙	⊙	BARRIER CURB				
230.99	GROUND GRADE			CONC SIDEWALK				
(31.000)	PAVEMENT GRADE	(31.000)		CONCRETE SLAB				
→	ANCHOR			ASPHALT OVERLAY				
#111	CIVIC ADDRESS			BULLNOSE				
---	EXISTING	---	---	LEGEND-PLAN	PROPOSED	---	---	---

**LOCATIONS APPROVED UNDERGROUND STRUCTURES**

SIGNED BY: SUPV UG STRUCTURES DATE: \_\_\_\_\_

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.M.	ELEV.	TOP OF TOP NUT ON FIRST HYDRANT EAST OF SLAW RECHUK BRIDGE ON THE SOUTH SIDE OF HIGGINS AVENUE
H	-	-
G	-	-
F	-	-
E	-	-
D	-	-
C	ISSUED FOR TENDER	2018-05-29 DS
B	ISSUED FOR UOS REVIEW	2018-04-26 DS
A	ISSUED FOR CLIENT REVIEW	2018-04-13 DS
NO.	REVISIONS	DATE BY

**wsp**

DESIGNED BY: DS  
DRAWN BY: SB  
HOR. SCALE: AS SHOWN  
VERTICAL: \_\_\_\_\_

DATE: 2018-02-15

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CONSULTANT ACAD DWG. NO.  
17M-01932-00-C12

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING SERVICES DIVISION

2018/2019 INDUSTRIAL STREETS  
RENEWAL PROGRAM  
HIGGINS AVENUE - HENRY AVE TO PRINCESS ST  
GUARDRAIL LAYOUT AND DETAILS

CITY DRAWING NUMBER: ---  
SHEET 12 OF 12  
BID NO. 85-2018

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**ENGINEERS**  
GEO-SCIENTIST  
MANITOBA

Certificate of Authorization  
WSP Canada Group Limited  
No. 6657