



####	Vd (MPH)	RADIUS (FT)	SPIRAL (FT)	Eg (IN)	Eu (IN)
NB650	5	80.0	30	0	1.24
NB850	5	75.0	30	0	1.32
SB180	5	184.0	0	0	0.60
SB200	5	65.6	0	0	1.51

△	SIZE	PIPE TYPE	LENGTH	STUB-UP STATION	I.E. @ STUB-UP	I.E. @ CONNECTION	NOTES
1	6"	PVC	10.90'	5+09.70	121.24	115.85	BLIND TAP TO EXIST. 15" STORM

SB STA: 1+10 2+03

TRACK SECTION		1/K106
TEX	25 M TURNOUT SEE DWG K107	4.5%
e		0%
TEX		4.5%

NB STA: 4+94 5+80 6+52 7+30 8+30 9+10 9+48

TRACK SECTION	1/K106	25 M TURNOUT SEE DWG K107	1/K106	2/K106	1/K106
TEX	4.5%	4.5%	0%	4.5%	4.5%
e	0%	0%	0%	0%	0%
TEX	4.5%	0%	4.5%	4.5%	4.5%

DESIGNED BY: LPY DATE APPROVED: N/A

DRAWN BY: PAH DIV. ENGINEER: N/A

CHECKED BY: LPY

APPROVED BY: N/A

APPROVALS:

PRINCIPAL ENGINEER REG. PROF. ENGR. NO.

CITY ENGINEER REG. PROF. ENGR. NO.

CITY OF PORTLAND
BUREAU OF TRANSPORTATION

STEVE NOVICK
STEVE TOWNSEND, P.E.

COMMISSIONER
CITY ENGINEER

STREETCAR RELOCATION PROJECT
BLOCK 153
TRACK/ROADWAY PLAN

URS

DWG NO. K100
SHEET NO. 14

- ### CONSTRUCTION NOTES
- CONSTRUCT TRACK DRAIN AT NB STA 6+24 PER DETAIL 1/K108. CONNECT TO STORMWATER FACILITY PER DETAILS.
 - CONNECT SWITCH BOX DRAIN TO STORM LINE PER COP DETAIL P-262.
 - CONSTRUCT THICKENED CURB AND GUTTER (SEE COP STD DWG P-540).
 - INSTALL SANITARY SEWER LATERAL CLEANOUT OVER EXISTING SEWER (SEE COP STD DWG P-257).
 - CONSTRUCT 16" WIDE CONCRETE TRAFFIC SEPARATOR - TYPE A (SEE ODOT STD DWG RD706). SEE K110 FOR LAYOUT.
 - CONSTRUCT ACCESSIBLE ROUTE CUT-THROUGH CONCRETE WALK (SEE GRADING PLAN K110 AND ODOT STD DWG RD710).
 - CONSTRUCT 48" CONCRETE SHALLOW MANHOLE WITH CAST-IN-PLACE BASE AND FLAT TOP SLAB "A" (SEE COP STD DWGS P-150, P-151 AND P-152) AND CONNECT EXISTING PIPES. SEE DWG K101 FOR MORE INFO.
 - ADJUST PUBLIC UTILITY STRUCTURE TO FINISH GRADE.
 - CONSTRUCT MONOLITHIC CURB AND SIDEWALK (SEE ODOT STD DWG RD720).
 - REPAIR SIDEWALK TO NEAREST SCORE LINE AT NEW OCS POLE OR STREET LIGHT.
 - CONSTRUCT TRANSITION SLAB PER DETAIL 2/K106.
 - CONSTRUCT 4" THICK CONCRETE WALK (SEE ODOT STD DWG RD720) OVER 4" AGGREGATE BASE.
 - CONSTRUCT 8" THICK PCC PAVEMENT OVER 6" AGGREGATE BASE AND SUBGRADE GEOTEXTILE.
 - INSTALL SALVAGED 25M TURNOUT. SEE SHEET K107.
 - STORMWATER FACILITY, CURBING AND SPILLWAY TO BE CONSTRUCTED PER MONTGOMERY GREEN STREET PROJECT (SEPARATE CONTRACT).
 - INSTALL 5/8" INSULATED JOINT (SEE SHEET J042 FOR LOCATION).
 - CONSTRUCT CONCRETE TRACK SLAB IN EXISTING CONCRETE TUB PER DETAIL 4/K106.
 - ELECTRIC METER AND PEDESTAL TO BE RELOCATED BY OWNER.
 - PRIVATE UTILITY LID TO BE ADJUSTED BY OTHERS. LID SHALL BE REPLACED WITH NON-SLIP COVER.
 - MATCH EXISTING FLOWLINE.
 - PROVIDE 12" OPENING IN TRAFFIC SEPARATOR AT TRACK DRAIN (NB STA 6+32.8). ADJUST ADJACENT ISLAND DRAINAGE GAPS AS NEEDED.
 - MAINTAIN VAULT DRAINAGE. DO NOT BLOCK UNDER-SIDEWALK PIPES.
 - INSTALL NEW EARTHBOX AND POWERED SWITCH MECHANISM.
 - CONSTRUCT 9" MWMAC OVER 6" AGGREGATE BASE AND SUBGRADE GEOTEXTILE.
 - SEE LANDSCAPE PLAN FOR PROPOSED PLANTINGS.
 - BOLLARD AND CHAIN - PROTECT IN PLACE.
 - CONSTRUCT 12" THICK PCC PAVEMENT OVER 6" AGGREGATE BASE AND SUBGRADE GEOTEXTILE.