EXTERNAL CONTRACTOR

CITY CREW

FREMLIN ST

W 46TH AV

WILLOW ST

TISDALL ST

LIMIT OF CONSTRUCTION STA 11+20

P.U. EASE. 4'X20'

P.U. EASE. 4'X35'

2.5' P.U. EASE.

PROP 1350 STM
PROP 450 SAN

PROP 1500 STM
PROP 450 SAN

PROP 1200ø COMB MH D17
500N 85.37 (EX)

PROP. 9.68m – 600 STM @ 0.50%
(ASTM C76 CL IV RC)
INV. @ CAP = 83.86

PROP. 2.00m – 250 SAN STUB @ 0.50%
(PVC SDR 35) INV @ CAP = 85.53
PLACE STYROFOAM BETWEEN SAN AND
STORM SEWER AT CROSSING

PROP. 10.26m – 250 SAN STUB @ 0.50%
(C700 ES VC) INV. @ CAP = 84.71
PLACE STYROFOAM BETWEEN SAN STUB
AND STORM SEWER

5.84 (L.O.C)

PROP. 10.20m – 250 STM STUB @ 2.00%
(ASTM C700 ES VC) INV. @ CAP = 84.02

SEE DETAIL ?? ON SHEET ?

45° MITRE BEND

EXIST. TRAFFIC CIRCLE TO BE REINSTATED AFTER SEWER CONSTRUCTION COMPLETE.

TIE EX. 200 SERVICE INTO MH D13

WYE LOCATIONS FROM T.V. INSPECTION

PRELIMINARY
NOT FOR CONSTRUCTION

FOR CONSTRUCTION NOTES SEE SHEET 1.

FOR ROAD CROSS-SECTIONS SEE SHEET 8.

STATION

FREMLIN ST.

WILLOW ST.

TISDALL ST.

PROP. 5.41m 200 SAN @ 1.00%
(ASTM C700 ES VC)

PROP. 9.40m 600 STM @ 1.00%
(ASTM C76 CL IV RC)

PROP. 137.49m 1350 STM @ 0.50%
(ASTM C76 CL IV RC)

PROP. 56.63m 1500 STM @ 0.50%
(ASTM C76 CL IV RC)

PROP. 45.86m 1500 STM @ 0.50%
(ASTM C76 CL IV RC)

PROP. 7.59 1500ø STM @ 0.50%
(ASTM C76 CL IV RC)

PROP. 72.84m 1500 STM @ 0.50%
(ASTM C76 CL IV RC)

PROP. 42.01m 1500 STM @ 0.50%
(ASTM C76 CL IV RC)

PROP. 17.51m 1500 STM @ 0.50%
(ASTM C76 CL IV RC)

PROP. 7.89m 450 SAN @ 0.84%
(ASTM C76 CL IV RC)

PROP. 51.75m 450 SAN @ 0.50%
(ASTM C76 CL IV RC)

PROP. 91.23m 450 SAN @ 0.50%
(ASTM C76 CL IV RC)
(SIDE BY SIDE)

PROP. 100.99m 450 SAN @ 0.50%)
(ASTM C76 CL IV RC)
(SIDE BY SIDE)

PROP. 4.35m 450 SAN @ 0.50%
(ASTM C76 CL IV RC)

PROP. 118.24m 450 SAN @ 0.50%)
(ASTM C76 CL IV RC)
(SIDE BY SIDE)

PROP 2400ø STM MH D20
600W 84.90 (O/R)
1350E 84.14
375S 85.14 (O/R, SEE DETAIL XX)
1350N 84.14

PROP 1350ø SAN MH S16
200W 84.94 (C/R)
450E 84.16
450N 84.17
200S 85.16 (C/R)

INV. @ CAP = 84.99

INV. @ CAP = 84.99

PROP 1200ø SAN MH S15
450E 83.90
450W 83.90
250N 85.49 (INSIDE DROP)

PROP 1800ø STM MH D19
1350W 83.45
1500E 83.45
EX 200N 85.92 (PROP C/R)

PROP 1050ø SAN MH S14
450W 83.45
450E 83.45

PROP 1800ø STM MH D18
1500W 83.17
1500E 83.17
250N 84.44 (C/R)

PROP 1050ø SAN MH S13
450W 82.92
450E 82.92
250N 84.66 (C/R)

PROP 1800ø STM MH D16
1500W 82.90
1500E 82.90
600NW 83.81 (O/R)

PROP 1800ø SAN MH D15
1500W 82.54
1500E 82.54
250S 83.81 (C/R TO SPRINGLINE OF 1500 STM)

PROP 1050ø STM TEE MH D14
INV. @ MH 82.33

PROP 1050ø SAN MH S12
450W 82.33
450SE 82.33

PROP 1050ø SAN MH S11
450NW 82.29
450S 82.27

PROP 1800ø STM TEE MH D13
INV. @ MH 82.24

THE CITY OF VANCOUVER ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS OF THE EXISTING UTILITY INFORMATION SHOWN. ORTHOPHOTOS MAY NOT BE IN ALIGNMENT WITH PROPERTY LINES OR UTILITIES AND MAY DIFFER FROM FIELD.

E# HIGH VOLTAGE TRANSMISSION DUCT. BEFORE CROSSING OR CONSTRUCTING WITHIN 6m OF DUCT CONTACT BC HYDRO ELECTRICAL DIVISION

BC HYDRO CIVIL INSPECTOR AND SAFETY WATCHER ARE REQUIRED TO BE ON SITE FOR ALL EXCAVATION THAT EXPOSES BC HYDRO DUCT BANK AND ALL CORRESPONDING PLACEMENT BACKFILL.
CONTACT DAVE BOX, BC HYDRO CIVIL INSPECTOR, AT 604-983-8286 TO COORDINATE CIVIL INSPECTION.
CONTACT GERRY HALL, LUMENS CITY, AT 604-908-2804 TO PROVIDE SAFETY WATCHER SERVICES.

SEWER CONSTRUCTION FOREMAN
NOTIFY HYDRO TRANSMISSION 48HRS BEFORE CONSTRUCTING.
CONTACT:
BC HYDRO TRANSMISSION
604-590-8999
3/4 MINUS CRUSHED LIMESTONE OR FILLCRETE MAY BE REQUIRED.

BC HYDRO CIVIL INSPECTOR AND SAFETY WATCHER ARE REQUIRED TO BE ON SITE FOR ALL EXCAVATION THAT EXPOSES BC HYDRO DUCT BANK AND ALL CORRESPONDING PLACEMENT BACKFILL.
CONTACT DAVE BOX, BC HYDRO CIVIL INSPECTOR, AT 604-983-8286 TO COORDINATE CIVIL INSPECTION.
CONTACT GERRY HALL, LUMENS CITY, AT 604-908-2804 TO PROVIDE SAFETY WATCHER SERVICES. SEE DRAWING DB3109 FOR SUPPORT GUIDELINES

6.2m 375 COMB @ 0.48
TV ICG GOOD (2014)

ALL INVERTS PRESURVEYED UNLESS NOTED

EX STM

EX SAN

EX COMB

84.7m 250 COMB @ 0.71
TV ICG GOOD/FAIR (2014)

107.1m 375 COMB @ 0.30
TV ICG GOOD (2014)

71.9m 375 COMB @ 0.58
TV ICG GOOD (2001)

53.1m 200 COMB @ 1.69
TV ICG GOOD (2001)

VERSION CONTROL (04/12/17)

SH	1	2	3	4	5	6	7	8	–
REV	0	1	T	T	T	T	1	T	–

NO.	MM/DD/YY	REVISION	DWG	DESIGN
T	04/12/17	ISSUE FOR RFPQ	IO	SW
S	03/23/17	DETAILED DESIGN	IO	SW
R	02/17/17	DETAILED DESIGN	IO	SW
Q	02/17/17	DETAILED DESIGN	IO	SW
P	01/31/17	DETAILED DESIGN	IO	SW
O	01/09/17	DETAILED DESIGN	IO	SW
N	01/05/16	DETAILED DESIGN	IO	SW
M	12/21/16	DETAILED DESIGN	IO	SW
L	11/30/16	DETAILED DESIGN	IO	SW

CHECKS	INITIALS	DATE
AS BUILT SURVEY COMPLETE		
AS BUILT CHECK BY ENGINEER		
G.I.S. UPDATE COMPLETE		
G.I.S. UPDATE Q.C. COMPLETE		

CONSTRUCTION BEGUN	
CONSTRUCTION COMPLETED	
FOREMAN	
FIELD BOOK NUMBER	
T.V. REPORT	
PLATE MAP	
SEWER OPERATIONS	

ATTENTION
ELEVATIONS SHOWN ON THIS PLAN ARE IN METRES BASED ON GEODETIC DATUM.

ORIGINAL DESIGN DRAWING SEALED BY
ON

BRANCH	INITIALS	DATE
UTILITIES CHECKED		
WATER CHECKED		

ENGINEERING SERVICES - CITY OF VANCOUVER

SEWERS AND DRAINAGE DESIGN BRANCH

DRAWN BY: IO | DESIGN BY: SW

DRAWING CHECKED: | DESIGN CHECKED:

REFERENCES:

PROPOSED SEWERS
OAKRIDGE AREA TRUNK UPGRADE
W 46TH AVE.

SCALE: 1:500(H) 1:100(V)

DATE:

DRAWING NUMBER: DB-3367

SHEET 5 OF 7 | REVISION: T

THIS PRINT SUPERSEDES ALL PRINTS OF THIS DRAWING BEARING PREVIOUS REVISION NUMBERS

FILE: Y:\SEWER_DESIGN\PROJECTS\DB\3300_TO_3399\DB3367 - OAKRIDGE AREA Trunk UPGRADE\V1.0\Drawings\DB3367_REV1-T.dwg
PLOTTED: Wednesday, April 12, 2017 8:45:42 AM