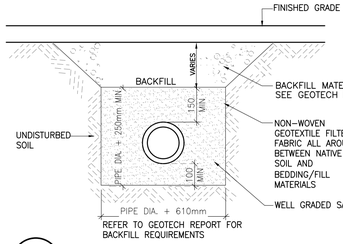
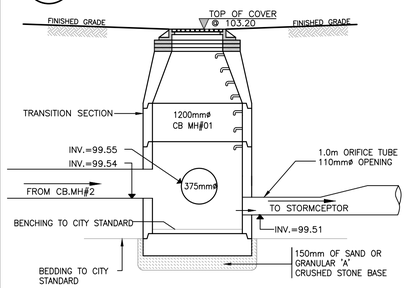
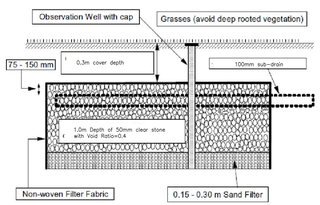


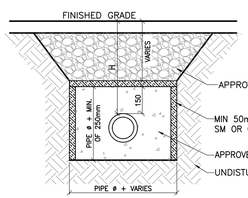
1 PIPE BEDDING DETAIL
SCALE: NTS



2 ORIFICE TUBE DETAIL CB.MH#01
SCALE N.T.S.



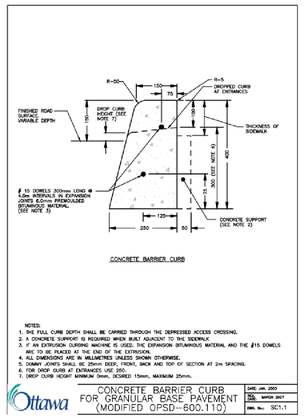
3 TYP. INFILTRATION TRENCH
SCALE: NTS

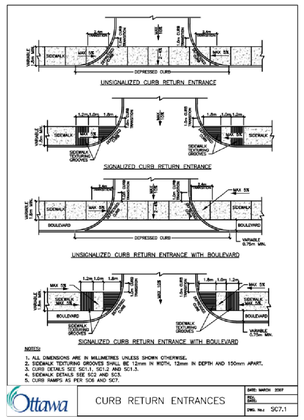


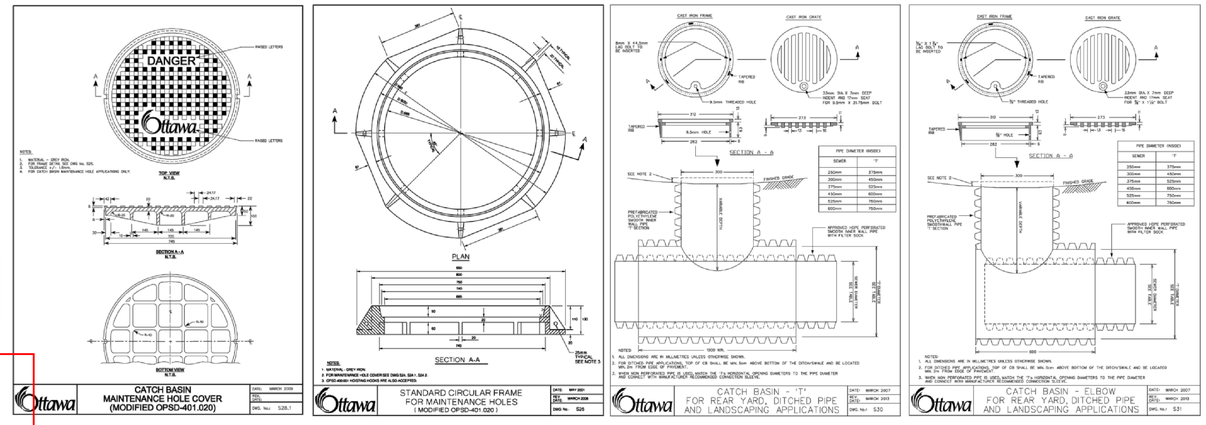
INSULATE WATERMAIN AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2.4m. PROVIDE MINIMUM 1.2m COVER CENTER INSULATION OVER PIPE.
JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED

H (DEPTH OF COVER)	INSULATION THICKNESS
1.8m TO 2.4m	50mm
1.5m TO 1.8m	75mm
1.2m TO 1.5m	100mm

4 WATERMAIN INSULATION
SCALE: NTS

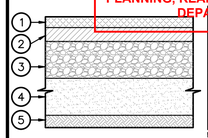






APPROVED
By Allison Hamlin at 1:23 pm, Nov 23, 2023

Allison Hamlin
ALLISON HAMLIN
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT
DEPARTMENT, CITY OF OTTAWA

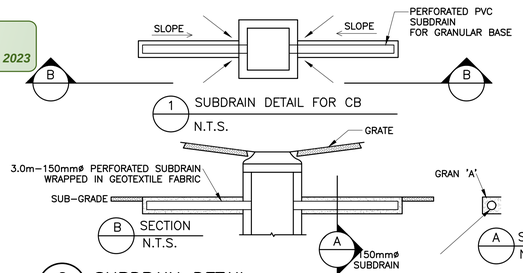


PAVING SCHEDULE

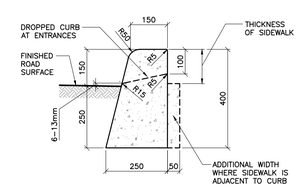
ITEM NO.	MATERIAL DESCRIPTION	LIGHT DUTY	HEAVY DUTY	COMPACTION REQUIREMENTS
1	ASPHALT CONCRETE SURFACE COURSE SUPERPAVE 12.5, LEVEL B ASPHALT (PG58-34)	40mm	50mm	> 97% (MBD)
2	ASPHALT CONCRETE BASE COURSE SUPERPAVE 19mm, LEVEL B ASPHALT (PG58-34)	40mm	60mm	> 97% (MBD)
3	GRANULAR BASE COURSE (OPSS GRANULAR A)	150mm	150mm	> 100% (SPMDD)
4	GRANULAR SUB-BASE COURSE (OPSS GRANULAR B)	250mm	350mm	> 100% (SPMDD)
5	SUBGRADE (TO BE RESHAPED)	VARIES	VARIES	> 98% (SPMDD)

MBD: MARSHALL BULK DENSITY
SPMDD: STANDARD PROCTOR MAX. DRY DENSITY
PAVEMENT STRUCTURE AS PER GEOTECHNICAL REPORT BY TERRAPEX ENVIRONMENT LTD. DATED JANUARY 24,2020

5 TYP. SECTION THROUGH PAVEMENT
SCALE: NTS



6 SUBDRAIN DETAIL
SCALE NTS



7 TYP.CURB SECTION
SCALE: NTS

GRADING AND SERVICES NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE METRIC, UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS AND DESIGN ELEVATIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER OR ARCHITECT WHERE APPLICABLE.
3. THE CONTRACTOR SHALL RESTORE TO ORIGINAL OR BETTER CONDITION FOR ANY EXISTING CONDITION DISTURBED DURING THE CONSTRUCTION AT CONTRACTOR'S EXPENSE.
4. CONTROL MANHOLES ARE TO BE BENCHED TO THE INVERTS.
5. LANDSCAPING SHALL NOT ENCROACH ON BOULEVARD NOR SHALL BOULEVARD GRADES BE ALTERED.
6. STANDARD DRAWINGS OF THE CITY CONSTITUTE PART OF THE PLANS OF THE CONTRACT.
7. ANY CONFLICT WITH EXISTING SERVICES SHALL BE RECTIFIED AS PER CITY'S REQUIREMENTS.
8. MINIMUM VERTICAL AND HORIZONTAL SEPARATION BETWEEN THE INVERTS OF THE SEWER AND A CROWN OF A WATER MAIN SHALL COMPLY WITH THE MUNICIPAL AND LOCAL BY-LAWS AT ALL CROSSINGS.
9. CONSTRUCT PAVEMENT AS SPECIFIED. SEE PAVEMENT STRUCTURE DETAILS 1/P-304.
10. ALL CONCRETE CURBS FROM EXISTING ROAD CURB TO STREET LINE SHALL BE BARRIER CURB TO CITY STANDARDS. ALL CONCRETE CURB HEIGHTS SHALL BE 150mm ABOVE FINISHED GRADE (A.F.G.) UNLESS OTHERWISE NOTED. DRIVEWAY CURBS ARE TO BE DISCONTINUOUS AT SIDEWALKS AND TAPERED BACK MINIMUM OF 300mm OR TO THE APPROVAL OF DESIGN ENGINEER.
11. ALL REQUIRED CURB CUTTING AT ENTRANCES AND CURB DEPRESSIONS AT SIDEWALK CROSSINGS SHALL BE INSTALLED TO THE APPROVAL OF THE DESIGN ENGINEER.
12. A MINIMUM CLEARANCE OF 1000mm FROM ALL ABOVE GROUND SERVICES AND UTILITIES IS REQUIRED.
13. INSTALLATION OF WATER MAIN IN PRIVATE PROPERTY SHALL COMPLY WITH THE MUNICIPAL AND LOCAL BY-LAWS.
14. OUTDOOR LIGHTS ARE TO BE DIRECTED DOWNWARDS AS WELL AS INWARD.
15. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. BELL, HYDRO, GAS, OR ANY OTHER UTILITIES THAT MAY EXIST ON THE SITE OR WITHIN THE STREET LINE MUST BE LOCATED AND VERIFIED BY THE RESPECTIVE UTILITY COMPANY PRIOR TO CONSTRUCTION.
16. ALL SANITARY SEWER, STORM SEWER, AND WATER MAIN ON PRIVATE PROPERTY ARE TO BE INSTALLED IN ACCORDANCE WITH THE PROVINCIAL BUILDING CODE.
17. ALL WATER MAIN AND HYDRANT INSTALLATIONS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST PLANS, STANDARDS, AND SPECIFICATIONS OF THE LOCAL UTILITIES COMMISSION.
18. NO BLASTING IS PERMITTED ON THE CITY RIGHT-OF-WAY AND NEAR ANY ADJACENT BUILDING.
19. THE TOP OF CONCRETE CURBS ABUTTING CITY'S SIDEWALKS SHALL BE KEPT LEVEL WITH THE SIDEWALKS FOR A DISTANCE OF 600mm FROM THE SIDEWALK.
20. THE PROPERTY IS TO BE GRADED AND SELF-CONTAINED SO THAT SURFACE DRAINAGE IS DIRECTED AWAY FROM THE BUILDINGS.
21. THE OWNER AND/OR CONTRACTOR IS REQUIRED TO OBTAIN A "ROAD CUT PERMIT" FROM THE CITY BEFORE COMMENCING ANY WORK ON THE CITY'S ROAD ALLOWANCE.
22. WHEN THE DEPTH OF THE COVER OVER THE PROP. SANITARY OR STORM SEWERS IS LESS THAN 2.0m SEWER LINES ARE TO BE INSULATED. THE INSULATION TO BE STYROFOAM BRAND H.I. TYPE IV OR EQUAL

ISSUE TABLE

TO	FOR	DATE
CITY	RE-ISSUED FOR SPA	15 JUN 23

REVISION TABLE

REV.	DESCRIPTION	DRAWN	APP'D.	DATE
0	REVISED AS PER CITY COMMENTS	MJ	JS	24 FEB 23
1	REVISED AS PER CITY COMMENTS	MJ	JS	15 JUN 23

ISSUE TABLE

TO	FOR	DATE
SUNCOR	FOR REVIEW	08 JUL 22
CITY	ISSUED FOR SPA	28 JUL 22
SUNCOR	FOR REVIEW	24 FEB 23
CITY	RE-ISSUED FOR SPA	17 MAR 23

METRIC
ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.. CONTRACTOR TO CHECK/VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. ALL DESCREPANCIES TO BE REPORTED TO THE PROJECT DESIGNER. DO NOT SCALE DRAWINGS.

SEAL:

LICENSED PROFESSIONAL ENGINEER
M. Y. SAM
100127775
June 21, 2023
PROVINCE OF ONTARIO

CONSULTANT:

J + B ENGINEERING INC.
TORONTO
28 CENTURIAN DR.
SUITE 102
MARKHAM, ON L3R 5N8
416 229 2636
CALGARY
701-10TH AVE. SW
SUITE 200
CALGARY AB T2R 0B3
403 355 2266

PETRO-CANADA
A Suncor Energy Business

DRAWING TITLE:
NOTES AND DETAILS

PROJECT:
PROMENADE PALLADIUM DRIVE
@ PROMENADE CAMPEAU DRIVE
OTTAWA, ON

DRAWN BY: BR	CAD INFO.: SHEET SIZE D (559 x 864)
DRAWING SCALE: 1:300	PETRO-CANADA CAD FILE No.
DATE DRAWN: 2022-07-01	CONSULTANT CAD FILE No. 200258-P304
CHECKED BY: JS	PLOT SCALE 1:1
APPROVED BY: JK	PLOT DATE
	PLOT CONFIGURATION
STD No./OUTLET No. 10565	P304

D07-12-21-0155

#18629