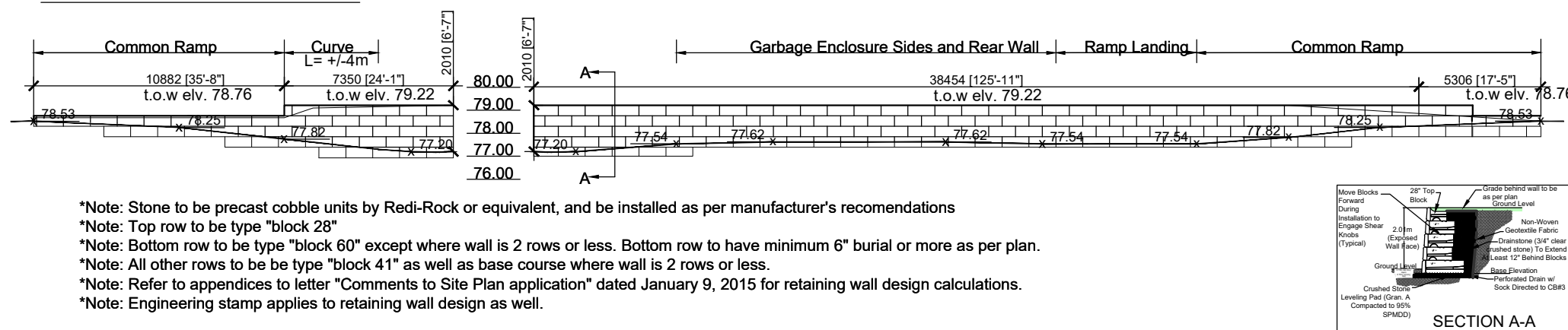


SITE SERVICING NOTES:

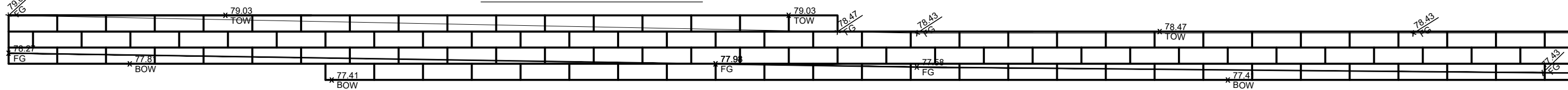
- Elevations shown on plans are geodetic in meters and taken from topographical survey drawing by Arpentage Dutrisac Surveying Inc. July 2013.
- Project T.B.M. (Temporary Benchmark). Nail in Utility Pole on East side of Rockdale Road Elev. = 78.39.
- All water works to respect requirements of the City of Ottawa and to conform to the latest revision of Standard Tendering Documents as prepared by city.
- All catch basin manholes and sewers work to be constructed as per the requirements of the City of Ottawa.
- Pipes sizes shall be as shown on drawing.
- Pipes material to be as follows:
 - storm sewer - PVC SDR28
 - watermain - PVC DR18
 - sanitary sewer - SDR 35
 - sub-drain - flexible perforated heavy duty polyethylene pipe c/w polyester sock filter by BIG'O' or equivalent.
- All water services shall have 2.4 m frost cover minimum.
- Existing services and utilities shown on this drawing are taken from best available records but are not complete. Contractor is required to check in field for location and all elevation of pipes and check with utility companies before digging or ordering any material. Advise engineer of any discrepancies for recommendations and directions, prior to ordering any materials or starting any work.
- Geotechnical Report, perform by Morey Associates Ltd. (report# 013300, written September 2013), forms part of our specifications and requirements. Contractor must be fully cognizant of its content and respect its recommendations.
- Stormwater Management Report by Blanchard Letendre Engineering Ltd., forms part of our specifications and requirements. The contractor must be fully cognizant of its content and respect its recommendations.
- All plumbing and electrical work to be coordinated with civil engineering.
- Notify engineer for inspection prior to backfilling or covering any pipes or appurtenances.
- Contractor to respect grading around building to be 0.15m minimum below top of foundation or any siding or finish wall material.
- All works for private approach including any temporary construction access to the site lane shall be constructed in accordance with requirements of the City of Ottawa standards.
- Contractor to prevent erosion and sedimentation damages by installing geosocks under cover of existing down stream catch basins and also take necessary measures to prevent erosion and sediment deposit on adjacent property. Provide also straw wall with pickets & geotextile at perimeter of property.
- All pipe bedding to be as per the City of Ottawa requirements and as specified in geotechnical report.
- Contractor to obtain clearance certificate from all agencies, authorities and utility company prior to making any excavation. Provide copy of clearance certificate to engineer prior to start of construction.
- MH#1 & MH#2 are to be as per OPSD 705.010. MH#3 is to be as per OPSD 701.015 complete with transition slab, 1200mm diameter riser and 1200mm diameter precast flat cap.
- All catch basin manholes shall be cleaned and empty annually for the purpose of capturing sediment.
- Refer to site plan by Blanchard Letendre Engineering Ltd. for details of curb radius, dimensions of lanes, parking stalls, set back requirements and site data.
- Location of street water is approximate and contractor to verify the exact distance and elevation.
- Contractor to perform all testing verification, cleaning and preparation as per the requirements of the City of Ottawa before final approval.
- Major overland flow is @ an elevation of 77.65 m.
- Asphalt details and road foundation, as well as parking foundation should be as per details on SS3.
- Proposed grade elevations to match existing elevations at property line or as per plan.
- All proposed grades greater than 7% are proposed average grades. Contractor to use construct slope using terracing.

WALL 3 ELEVATION DETAIL

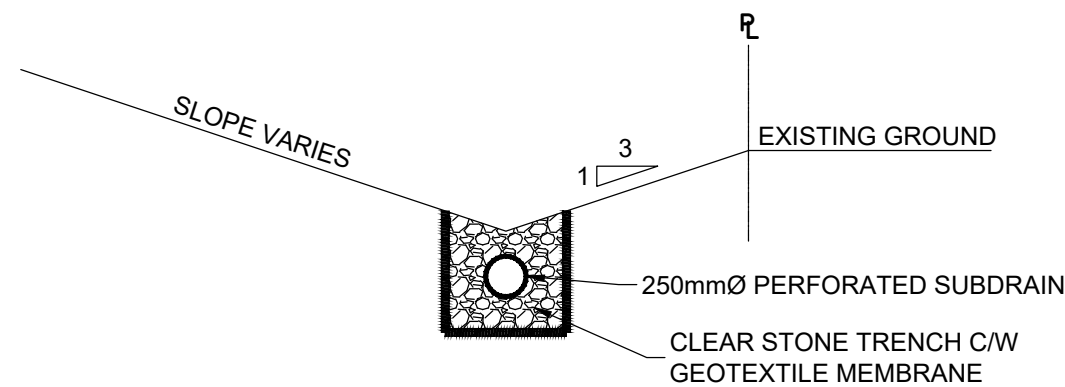


- *Note: Stone to be precast cobble units by Redi-Rock or equivalent, and be installed as per manufacturer's recommendations
- *Note: Top row to be type "block 28"
- *Note: Bottom row to be type "block 60" except where wall is 2 rows or less. Bottom row to have minimum 6" burial or more as per plan.
- *Note: All other rows to be type "block 41" as well as base course where wall is 2 rows or less.
- *Note: Refer to appendices to letter "Comments to Site Plan application" dated January 9, 2015 for retaining wall design calculations.
- *Note: Engineering stamp applies to retaining wall design as well.

WALL 4 ELEVATION DETAIL

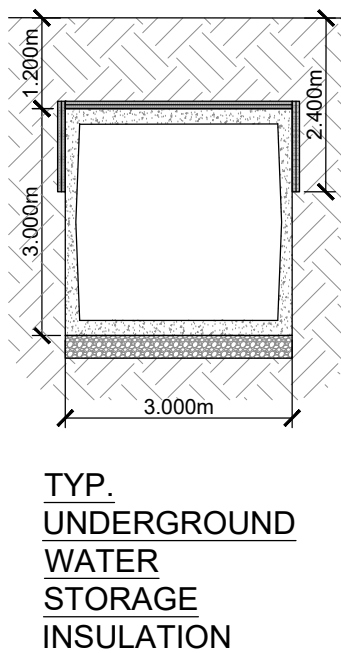


- *Note: Stone to be precast cobble units by Redi-Rock or equivalent, and be installed as per manufacturer's recommendations
- *Note: Top row to be type "block 28"
- *Note: Bottom row to be type "block 60" except where wall is 2 rows or less. Bottom row to have minimum 6" burial or more as per plan.
- *Note: All other rows to be type "block 41" as well as base course where wall is 2 rows or less.
- *Note: Cross section A-A in Wall 3 Cross section applies Wall 4 as well.
- *Note: Engineering stamp applies to retaining wall design as well.



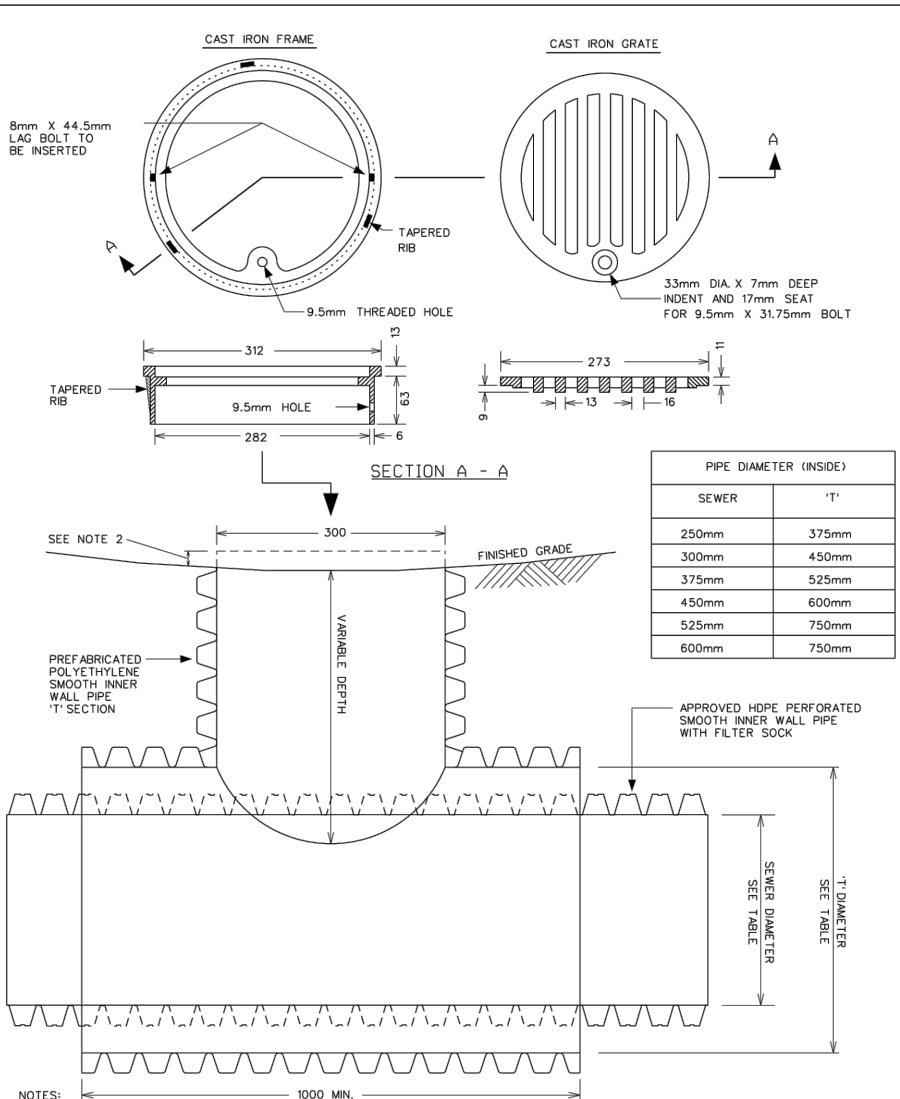
SWALE & SUBDRAIN - TYPICAL SECTION

(N.T.S.)

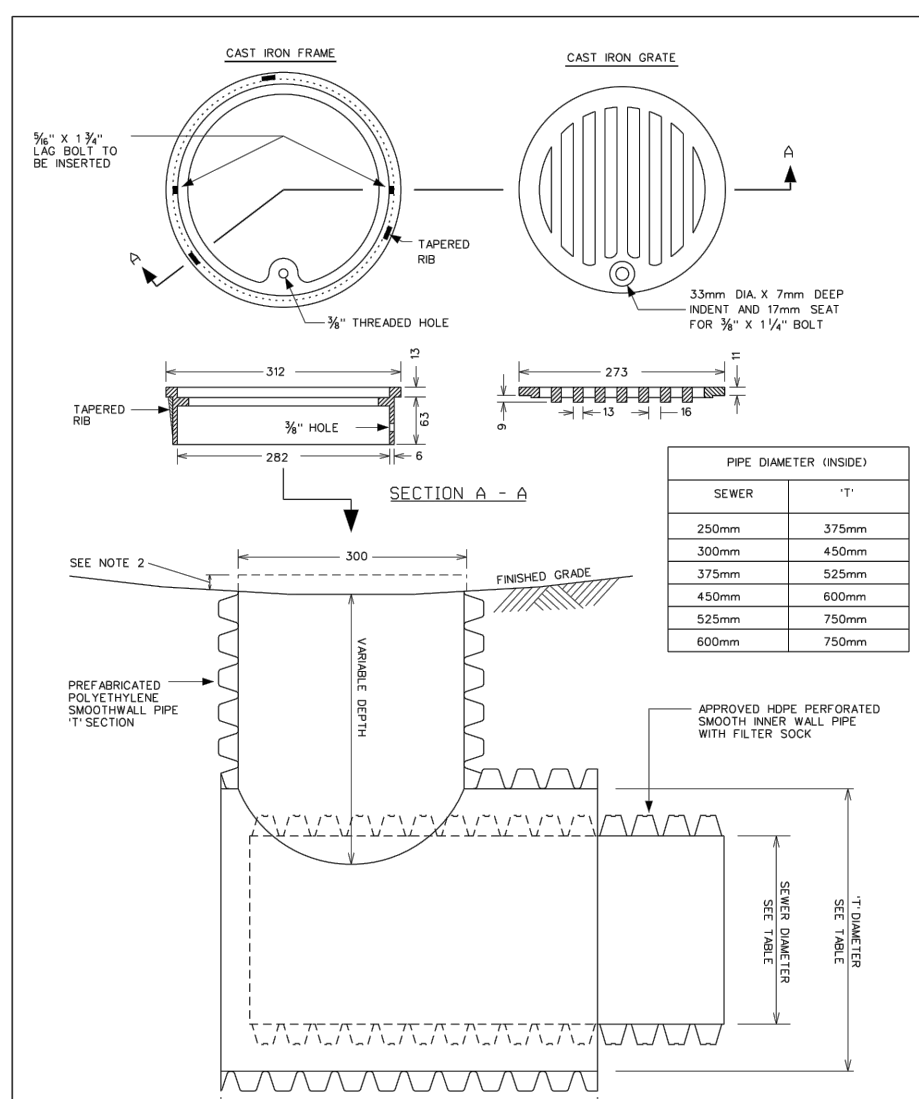


TANK NOTES:

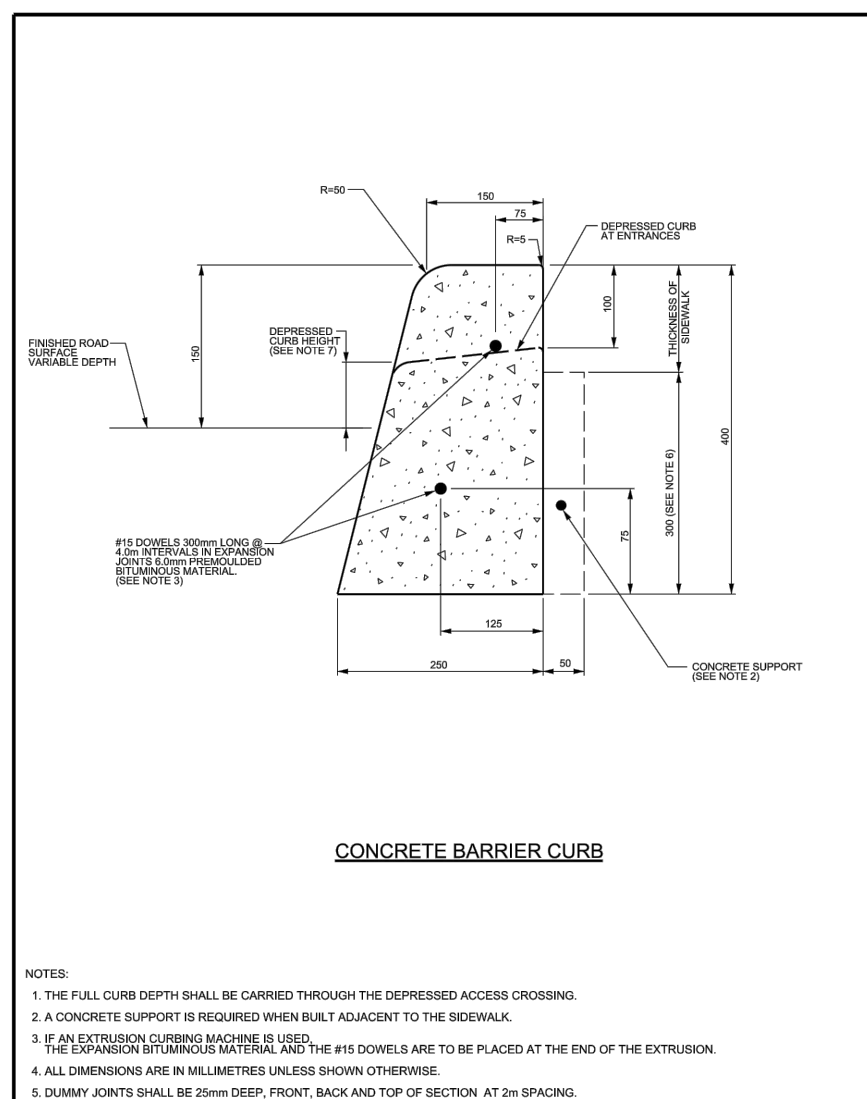
- TWO 50000L PRECAST CONCRETE TANKS BY WILKINSON HEAVY PRECAST LTD. (OR EQUIVALENT) TO BE USED FOR FIRE WATER STORAGE. TANKS ARE TO BE CONNECTED WITH EACH OTHER WITH 200mm PIPE. HYDRANT TO BE INSTALLED DIRECTLY ABOVE TANK AS SHOWN ON C300.
- TANKS TO BE COVERED IN 4" OF RIGID INSULATION IN A "U" SHAPE UP TOP A DEPTH OF 2.4m UNDER FINISHED GRADE.
- TANKS TO BE INSTALLED IN ACCORDANCE WITH RECOMMENDED INSTALLATION PROCEDURES AS SEEN IN WILKINSON INSTALLATION GUIDELINES AND LIFTING ASSEMBLY INSTRUCTIONS.



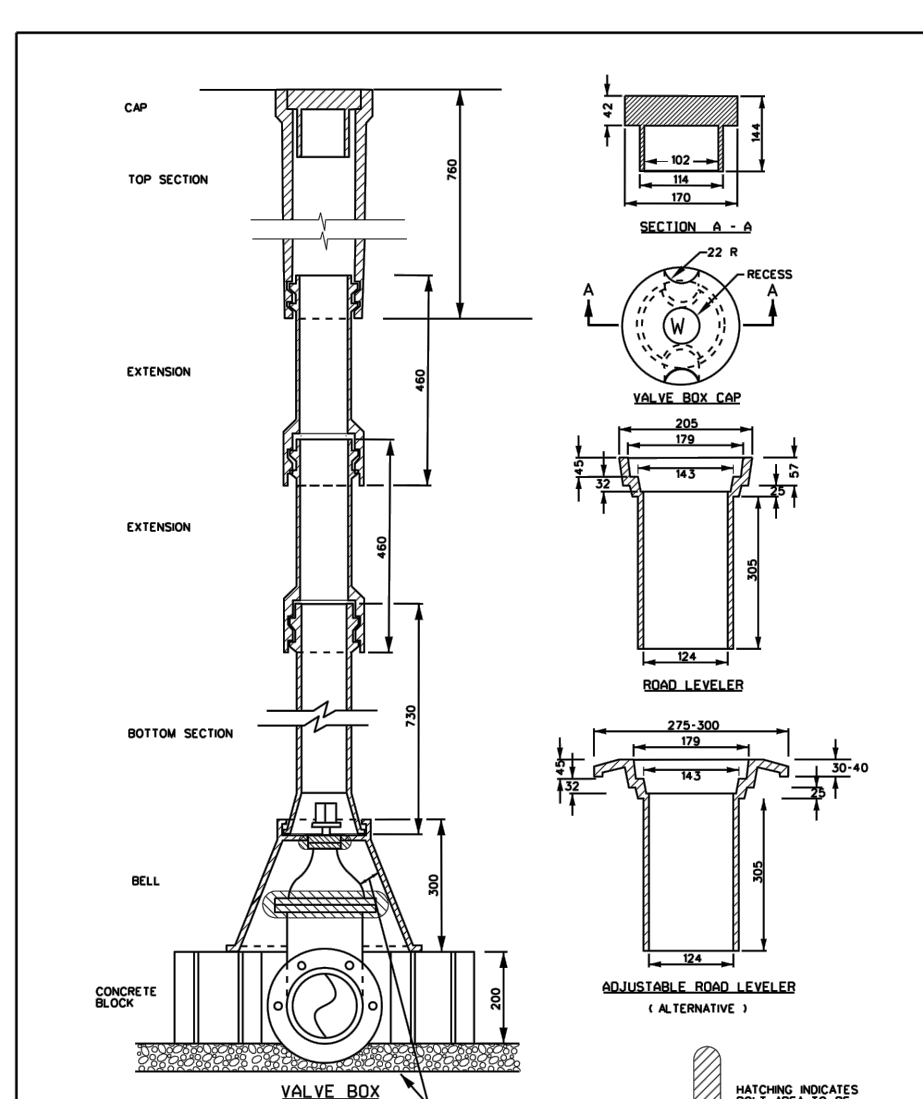
PIPE DIAMETER (INSIDE)	'T'
250mm	375mm
300mm	450mm
375mm	525mm
450mm	600mm
525mm	750mm
600mm	750mm



PIPE DIAMETER (INSIDE)	'T'
250mm	375mm
300mm	450mm
375mm	525mm
450mm	600mm
525mm	750mm
600mm	750mm



PIPE DIAMETER (INSIDE)	'T'
250mm	375mm
300mm	450mm
375mm	525mm
450mm	600mm
525mm	750mm
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PIPE DIAMETER (INSIDE)	'T'
250mm	375mm
300mm	450mm
375mm	525mm
450mm	600mm
525mm	750mm
600mm	750mm

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ENGINEERING STAMP



#5	
#4	
#3	
#2	
#1	ISSUED FOR CITY COMMENTS 6
NO	REVISION
DATE	26/03/2020



CLIENT:



PROJECT:



DRAWING:



PAPER FORMAT:	18x24
DRAWN BY:	BF + GB
CHECKED BY:	G.B.
DATE:	04-2020
SCALE:	AS INDICATED
PROJECT #:	19-276

DRAWING #:

