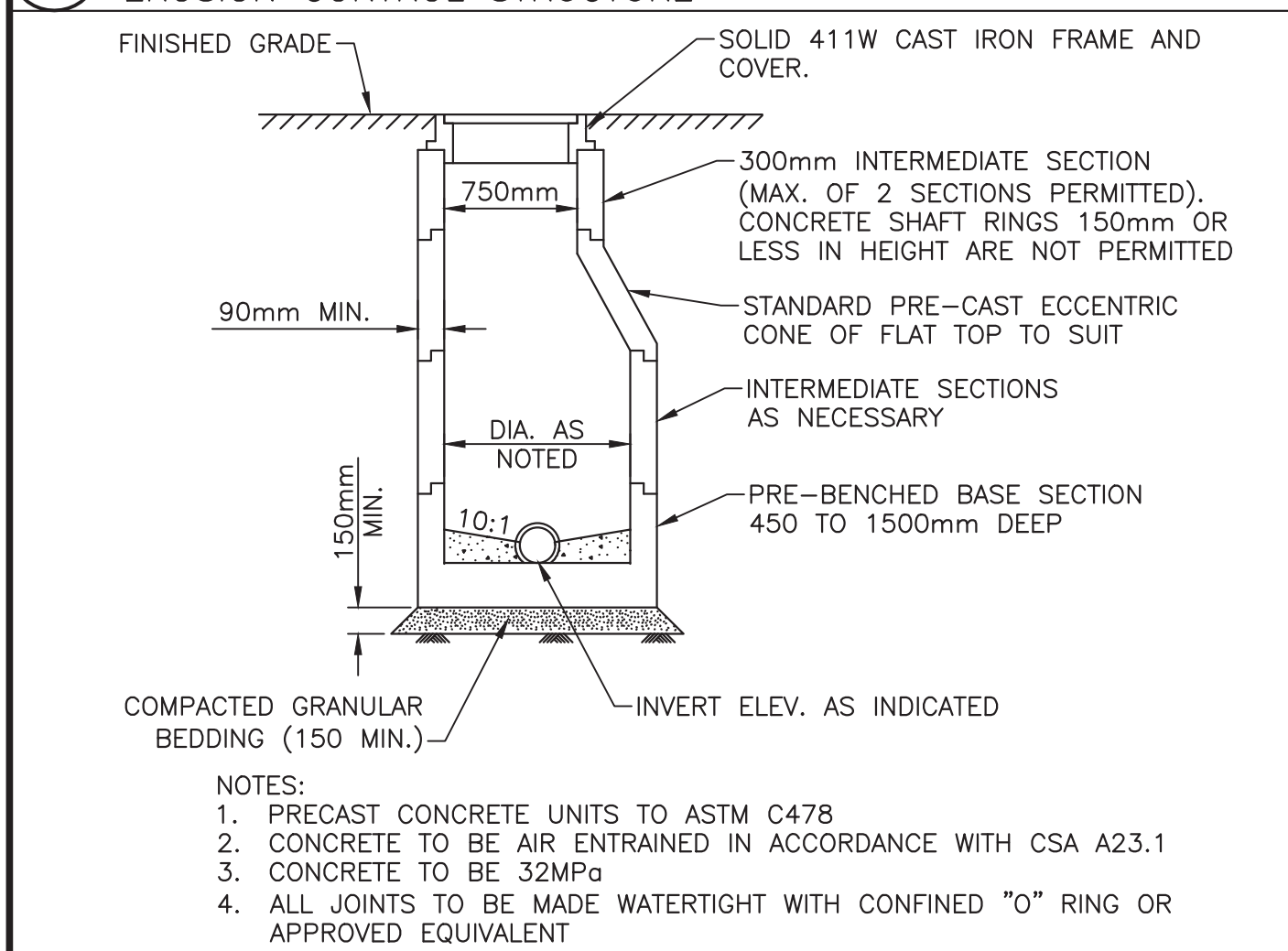
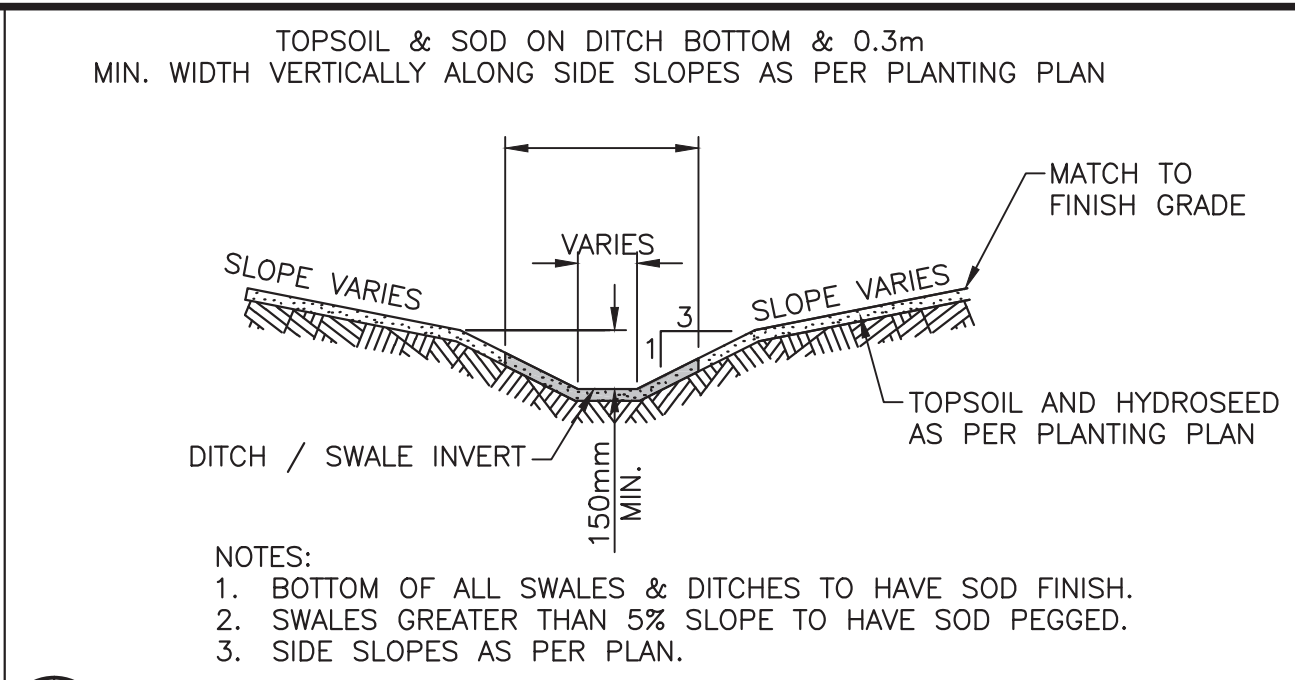


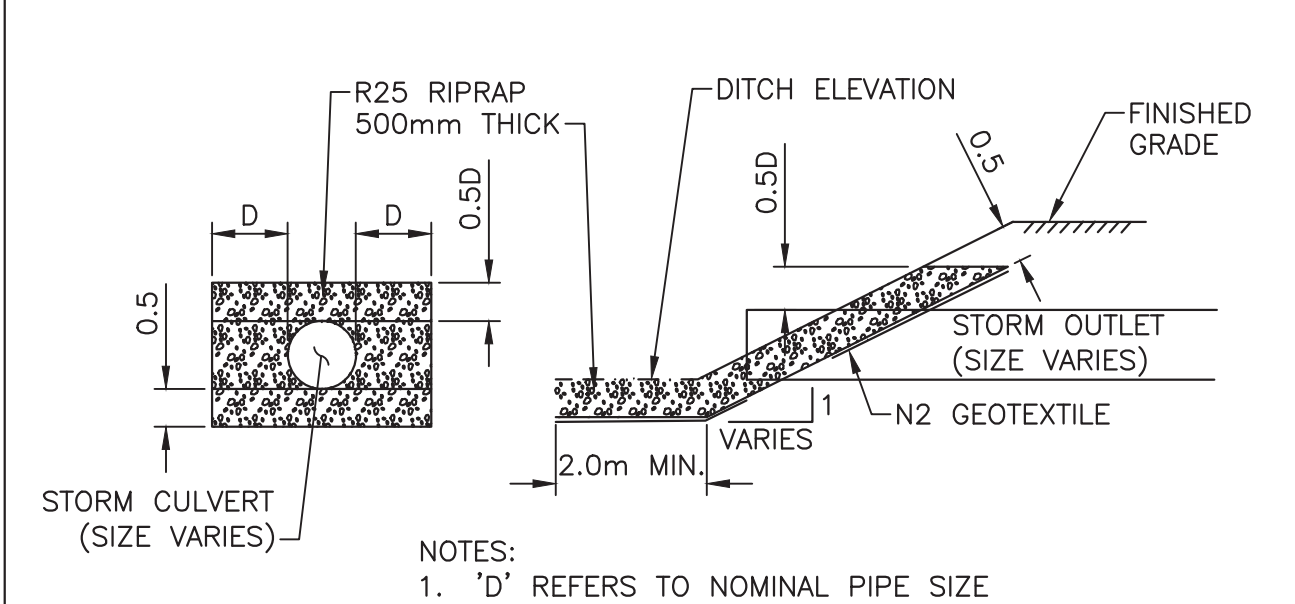
1 **DETAIL**
EROSION CONTROL STRUCTURE



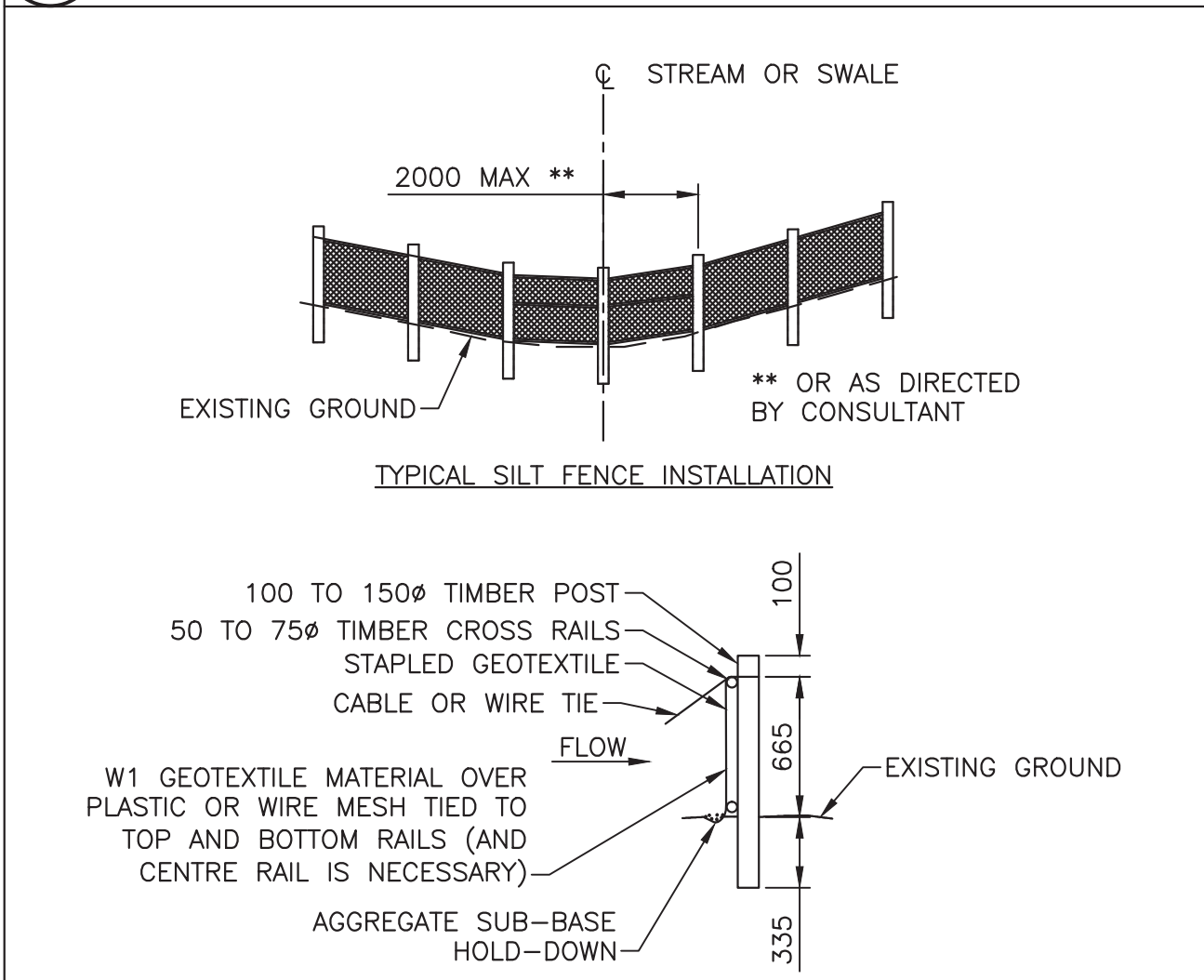
9 **DETAIL**
SANITARY MANHOLE



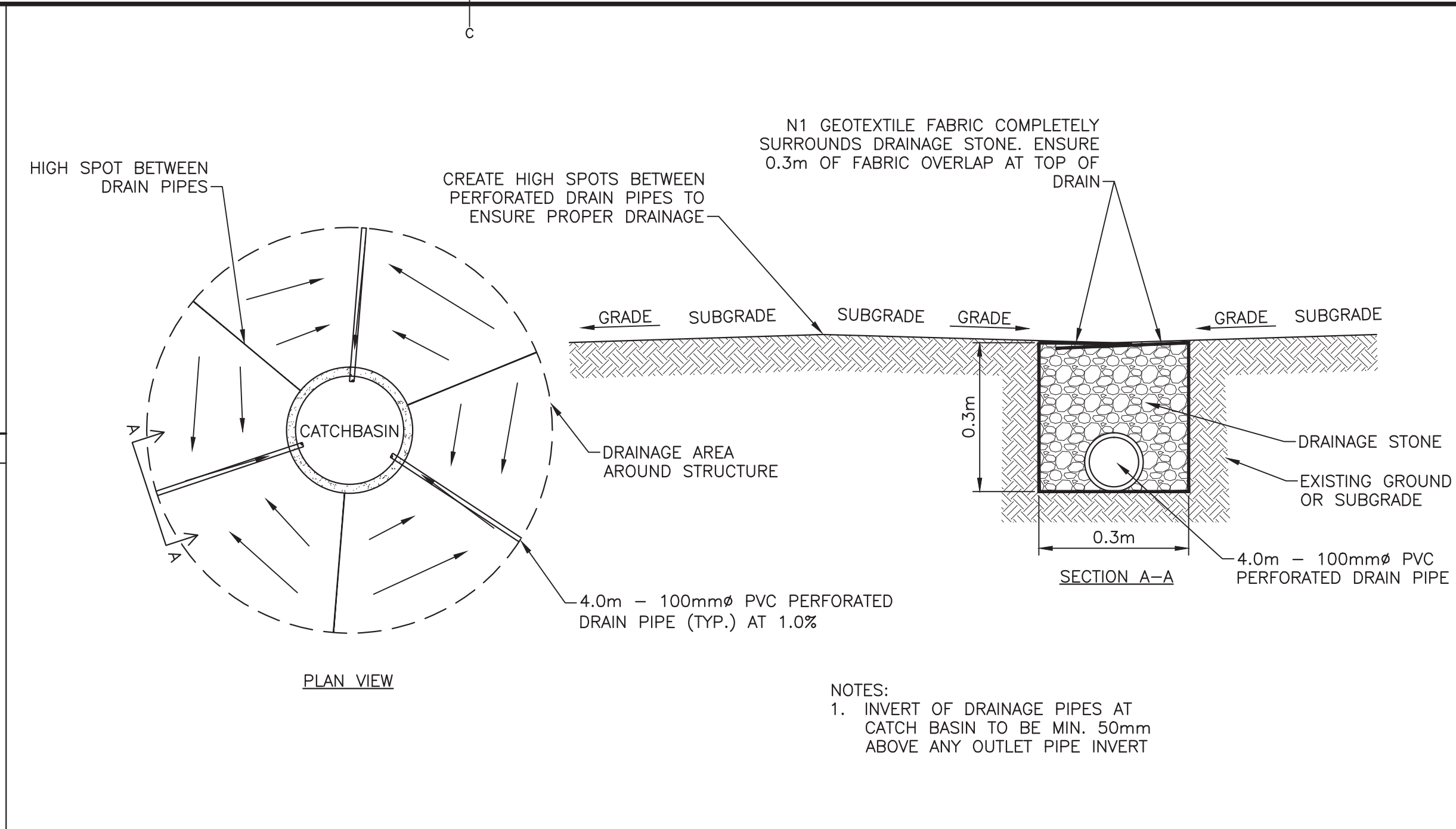
2 **DETAIL**
SWALE / DITCH



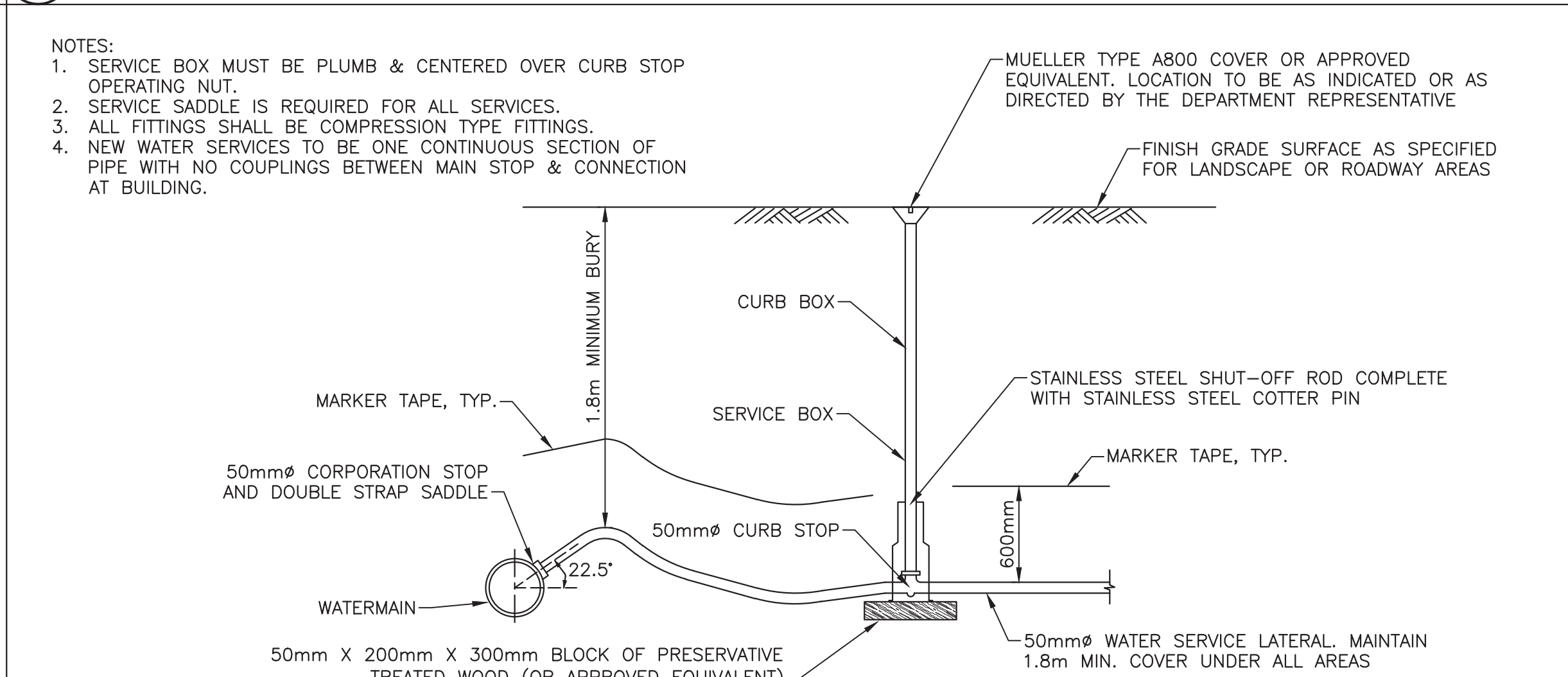
3 **DETAIL**
RIP RAP AT STORM OUTLETS



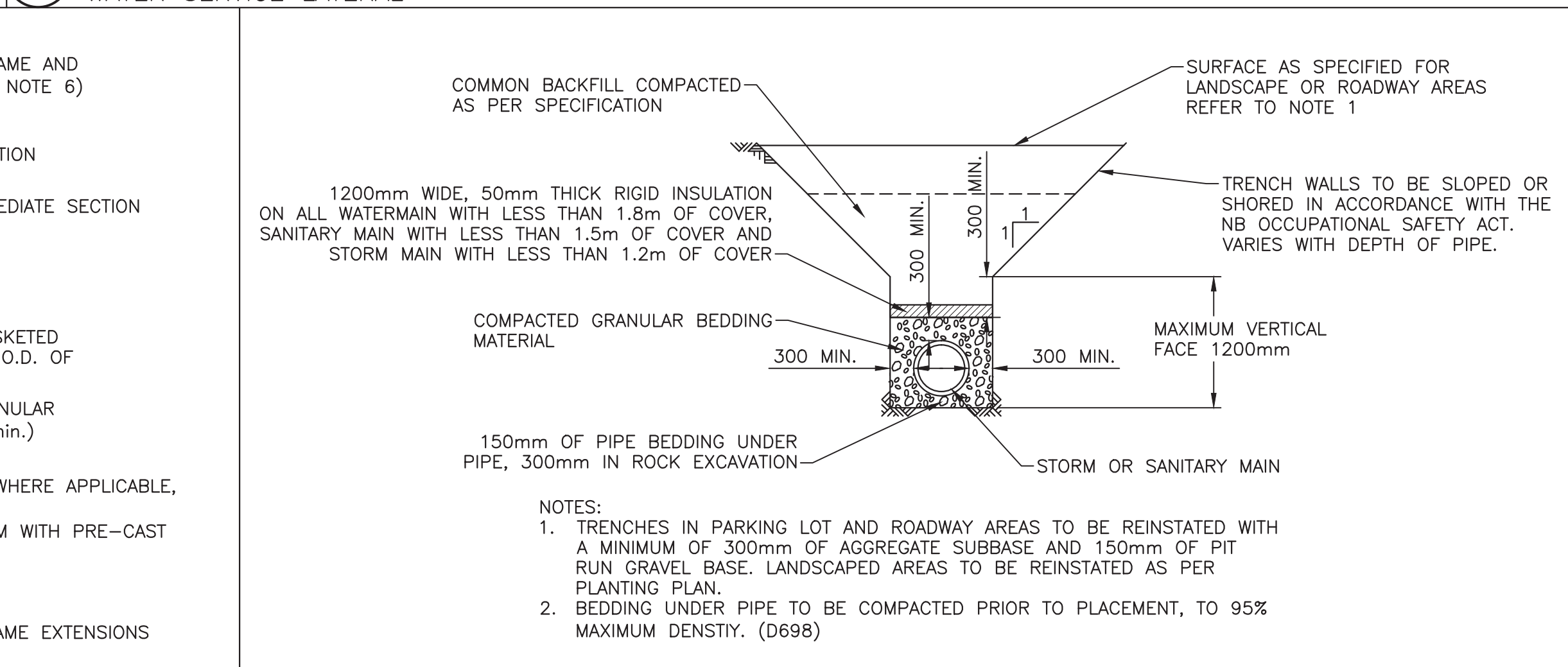
6 **DETAIL**
SILT FENCE



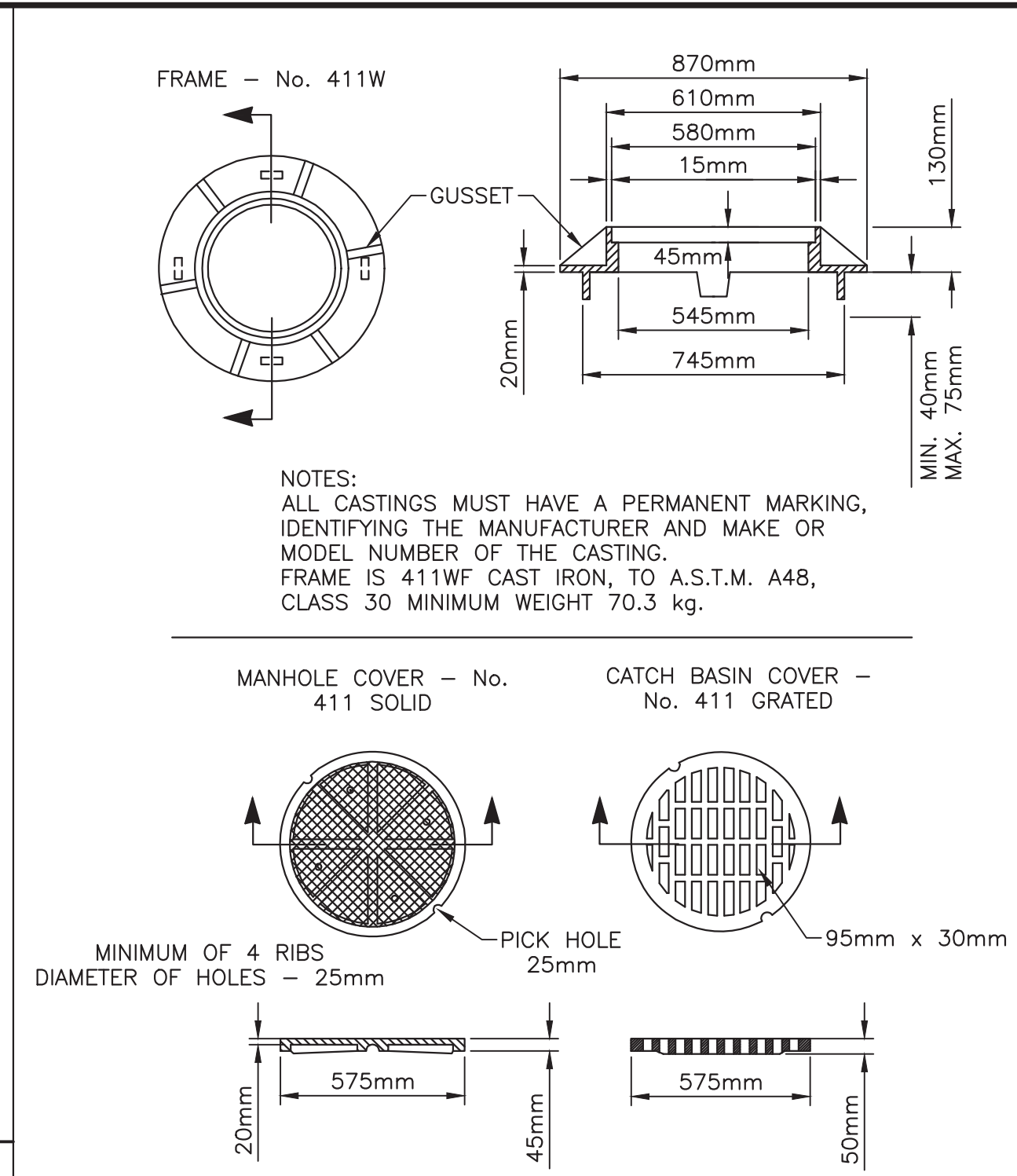
4 **DETAIL**
SUBGRADE DRAINAGE FOR CATCH BASINS



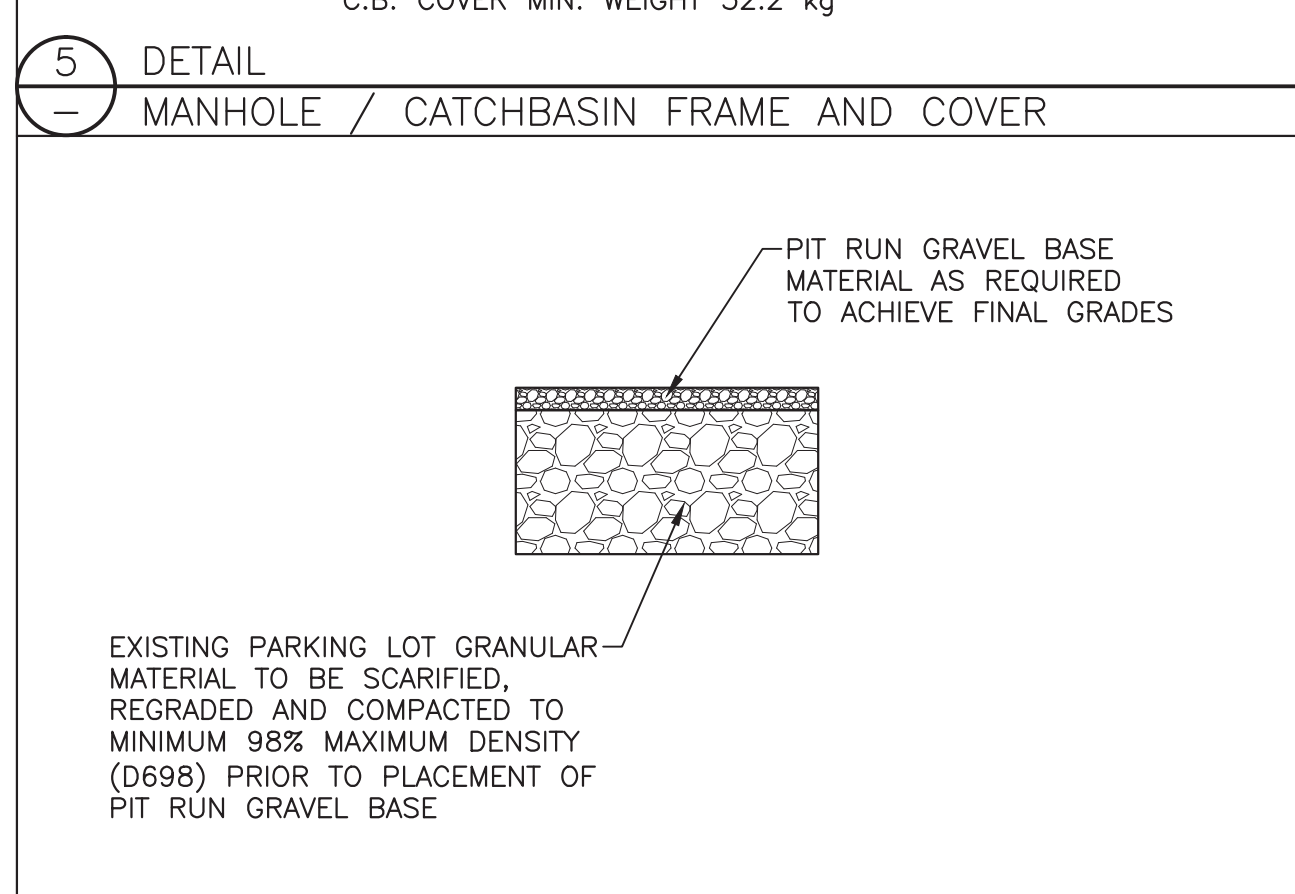
7 **DETAIL**
WATER SERVICE LATERAL



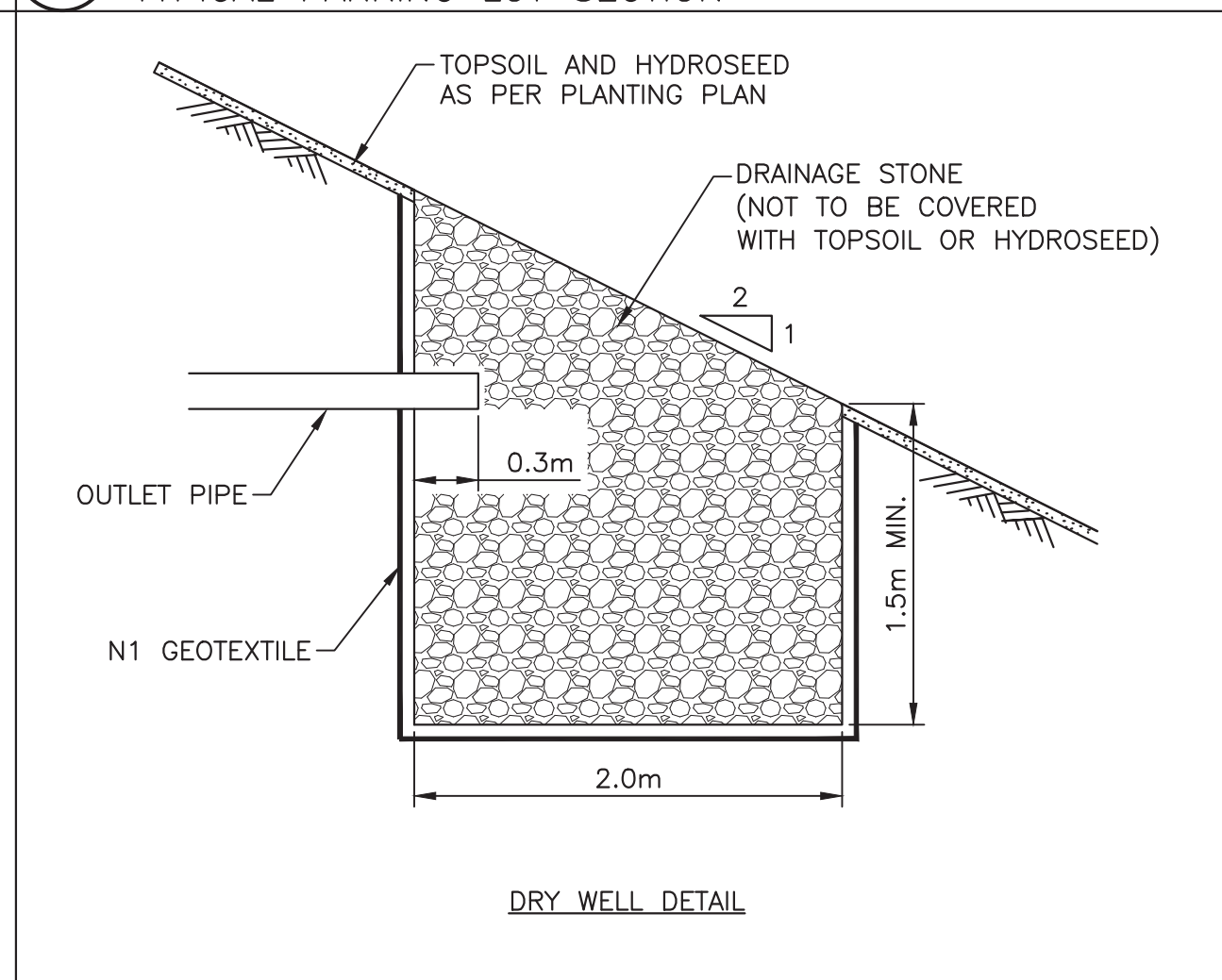
11 **DETAIL**
TYPICAL TRENCH DETAIL



5 **DETAIL**
MANHOLE / CATCHBASIN FRAME AND COVER



8 **DETAIL**
TYPICAL PARKING LOT SECTION



12 **DETAIL**
DRY WELL

- ALL WATER LATERALS MUST BE FLUSHED AND DISINFECTED TO LATEST AWWA STANDARDS & CONTRACT SPECIFICATIONS. SHOULD CONFLICTS OCCUR, MOST STRINGENT CODES/REQUIREMENTS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL, MUD AND DIRT REMOVAL ON ADJACENT STREETS AND TRUCKING ROUTES AND SITE GRANULAR SURFACE MAINTENANCE FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL & REPLACEMENT OF SITE GRANULAR SURFACES CONTAMINATED BY ON-SITE CONSTRUCTION ACTIVITIES.
- ALL DISTURBED AREAS TO BE REINSTATED TO EXISTING CONDITION OR BETTER.
- CONTRACTOR TO VERIFY ALL INVERTS OF EXIST. STRUCTURES PRIOR TO COMMENCING WORK. CONTRACTOR TO REPORT TO THE DEPARTMENTAL REPRESENTATIVE ANY DISCREPANCIES BETWEEN THE MEASURED INVERTS AND THE PIPE LOCATIONS SHOWN ON THE DRAWINGS PRIOR TO COMMENCING WORK.
- CONTRACTOR TO PROVIDE SUPPORT TO ANY UTILITY POLES, GAS MAINS, SIGNS, ETC. IN OR NEAR THE EXCAVATED AREAS.
- LOCATING ALL UNDERGROUND SERVICES, STRUCTURES & UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE EXTENT AND LOCATION OF EXISTING UTILITIES IS SHOWN FOR GUIDANCE PURPOSES ONLY AND IS NOT GUARANTEED. THE LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT IS TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
- ALL SANITARY MANHOLES TO HAVE 411 FRAME AND SOLID COVERS. CATCH BASINS TO HAVE 411 FRAME AND GRATED COVERS.
- ALL CONNECTIONS TO EXISTING MANHOLES TO BE CORE-DRILLED C/W WATERTIGHT CONNECTIONS.
- ALL MANHOLES, CATCH BASINS & VALVES TO BE ADJUSTED TO FINISH GRADE.
- CONTRACTOR TO SUPPLY & INSTALL & REMOVE ALL WATER LATERAL DISINFECTION PORTS AS REQUIRED FOR DISINFECTION & SAMPLING. ALL WORK TO BE DONE IN ACCORDANCE WITH AWWA STANDARDS.
- CONTRACTOR TO MINIMIZE DISTURBANCE TO EXISTING INFRASTRUCTURE.
- OTHER CONTRACTORS OR UTILITY COMPANIES MAY BE WORKING IN THE VICINITY OF THE WORK. NO ADDITIONAL COSTS WILL BE GRANTED FOR DELAYS AS A RESULT OF SCHEDULING CONFLICTS BETWEEN CONTRACTORS AND THE UTILITIES.

- ALL SANITARY SEWER LATERALS, GREATER THAN 100mm IN DIAMETER MUST BE PRESSURE TESTED AND VIDEO INSPECTED. ALL NEW SANITARY SEWER MANHOLES MUST BE TESTED FOR LEAKAGE.
- WHEN WATERMAIN CROSSES A SANITARY OR STORM SEWER, THE CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL SEPARATION OF 450mm BETWEEN THE WATERMAIN AND THE SEWER (WATER ABOVE SEWER).
- CONTRACTOR TO SUPPLY & INSTALL NBDT EROSION CONTROL STRUCTURES AND OR SILT FENCE AS REQUIRED. CONTRACTOR IS RESPONSIBLE TO PROVIDE INLET PROTECTION AT CB'S & MH'S, SO AS TO PREVENT SEDIMENT LADEN STORMWATER FROM ENTERING THE STORM OR SANITARY SEWER SYSTEMS. REFER TO CONTRACT SPECIFICATIONS FOR ADDITIONAL EROSION CONTROL DETAILS.
- ALL STORM & SANITARY CONNECTIONS TO EXISTING MAINS OR STRUCTURES ARE TO BE CONNECTED WITH APPROVED FITTINGS AND HAVE WATERTIGHT CONNECTIONS.
- ALL WORK CARRIED OUT SHALL CONFORM TO THE NEW BRUNSWICK OCCUPATIONAL SAFETY ACT.
- ALL EXIST. MANHOLES & CATCH BASINS TO BE ADJUSTED TO FINISH GRADE.
- CONTRACTOR TO MINIMIZE DISTURBANCE ACTIVITIES WHERE POSSIBLE.
- ALL CLEAN SUITABLE EXCAVATED MATERIAL TO BE USED TO FILL LOW AREAS OUTSIDE THE BUILDING FOOTPRINTS. FILL TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698. ALL REMAINING EXCAVATED MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR AND MUST BE REMOVED FROM THE SITE AND PROPERLY DISPOSED.
- INSULATE ALL SANITARY SEWERS LESS THAN 1.5m OF COVER & WATERMAINS LESS THAN 1.8m OF COVER WITH 50mm x 1.2m OF STYROFOAM OR EQUIVALENT. INSULATE 600mm TO 450mm STORM MAINS WITH LESS THAN 1.2m OF COVER WITH 50mm x 1.8m OF STYROFOAM OR EQUIVALENT & 300mm STORM MAINS & SMALLER WITH 50mm x 1.2m OF STYROFOAM OR EQUIVALENT. ALL STORM MAINS ABOVE 750mm WILL NOT BE INSULATED. ALL INSULATION TO BE PLACED 150mm ABOVE THE TOP OF THE PIPE AND SHALL BE TRAFFIC RATED.

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CHIGNECTO SOUTH KEY PLAN
FUNDY NATIONAL PARK
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
#M6150
Regina Murray
Ingénieur en Génie Civil
Ingénieur en Génie des Structures
Ingénieur en Génie des Matériaux

3	ISSUED FOR TENDER	06/09 2017
2	ISSUED FOR 99% REVIEW	03/17 2017
1	ISSUED FOR 66% REVIEW	02/01 2017
revisions		date
project	CHIGNECTO SOUTH MULTI PURPOSE BUILDING FUNDY NATIONAL PARK ALMA, NB ALBERT COUNTY, NB	
drawing	design	
CONSTRUCTION DETAILS		
designed	A. MURRAY	conçu
date	JUNE 2017	
drawn	J. SLATER / J. CORMIER	dessiné
date	JUNE 2017	
approved	A. MURRAY	approuvé
date	JUNE 2017	
Tender	Soumission	
PWGSC Project Manager	Administrateur de projets (TPSC)	
project number	R.075816.001	no. du projet
drawing no.	C05	no. du dessin