

Project No. 222617.00

# TOWN OF STRATFORD

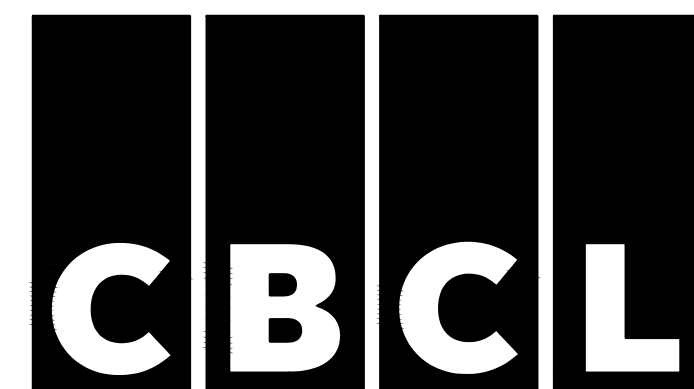
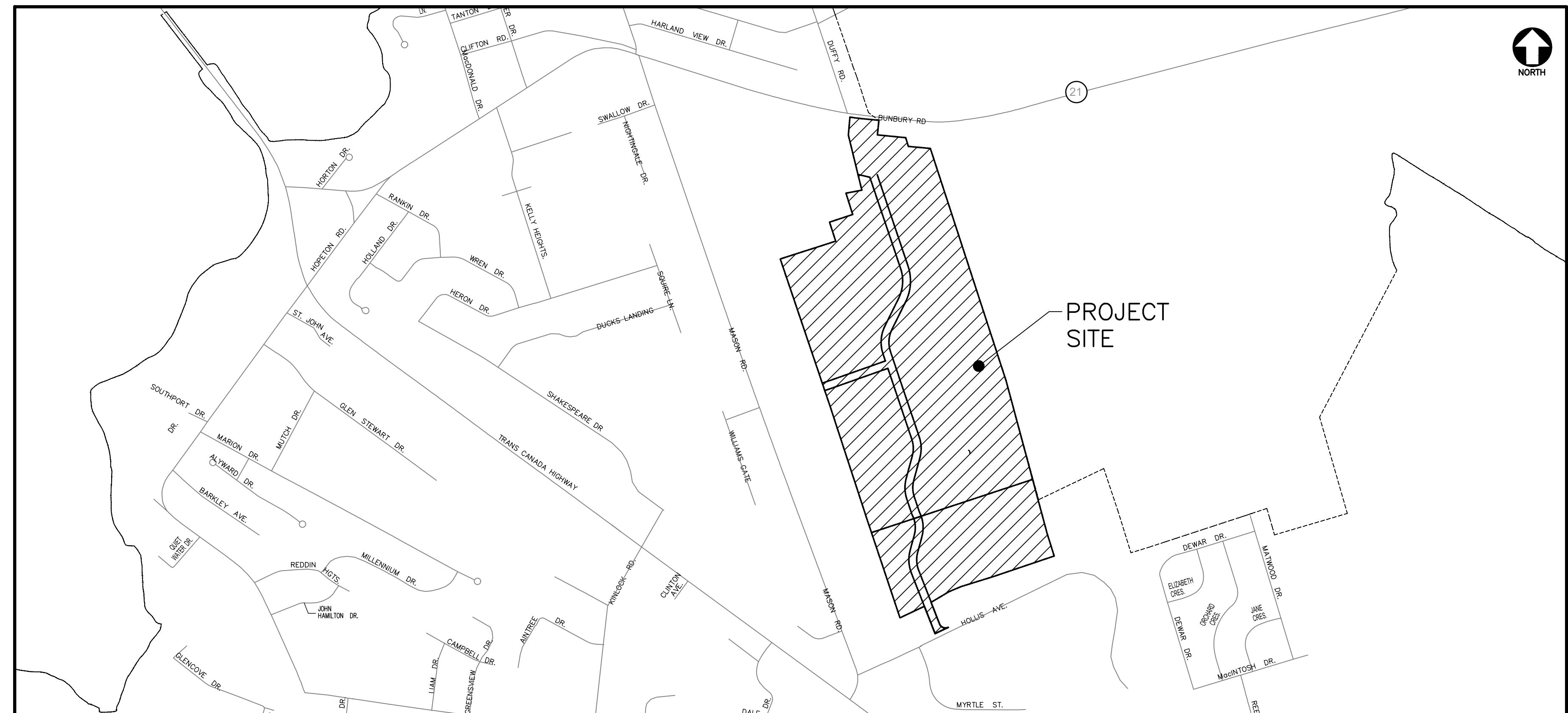


## COMMUNITY CAMPUS

### SITE SERVICING

Sheet List Table

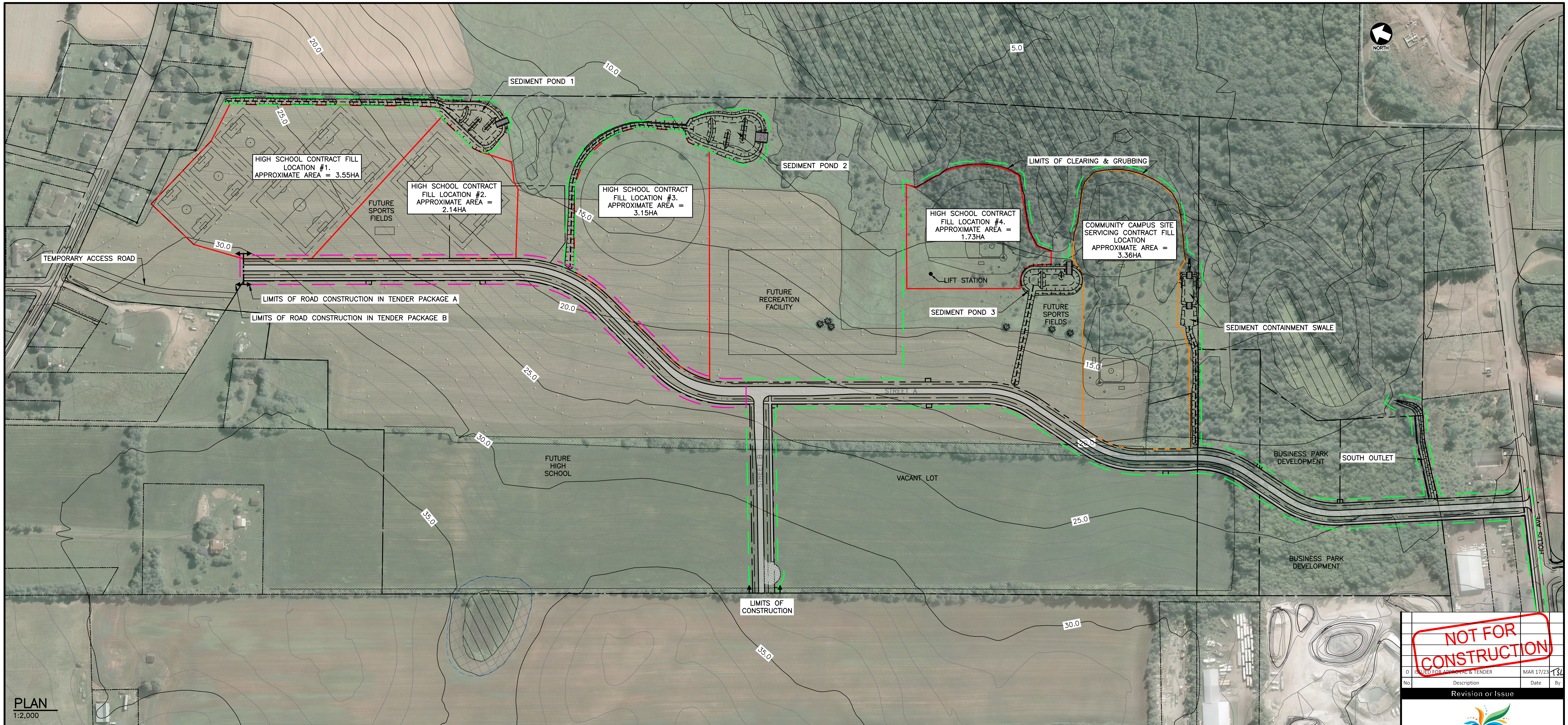
Sheet Number	Sheet Title	Sheet Description
COVER SHEET		
0	COVER	
CIVIL		
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NOT FOR  
CONSTRUCTION

ISSUED FOR  
APPROVAL &  
TENDER

MARCH 17 2023



PLAN  
1:2,000

LEGEND	
--- (dashed)	PROPERTY LINE (EX.)
--- (solid)	PROPERTY LINE (PR.)
● (circle)	SURVEY MARKER (EX.)
▨ (hatched)	WETLAND (EX.)
▨ (cross-hatched)	BUFFER ZONE (EX.)
TP (square)	TEST PIT
SM (circle)	SILT FENCE (PR.)
SCS (square)	SEDIMENT CONTROL SOCK (PR.)
SCD (square)	STRAW BALE CHECK DAM (PR.)
CRD (square)	RIP RAP CHECK DAM (PR.)
--- (dashed)	WATERMAIN (EX.)
--- (solid)	WATERMAIN (PR.)
GV (circle)	GATE VALVE (EX.)
GV (circle)	GATE VALVE (PR.)
ARV (circle)	AIR RELEASE VALVE (PR.)
WF (square)	WATERMAIN FITTINGS (EX.)
WF (square)	WATERMAIN FITTINGS (PR.)
WB (square)	WATERMAIN BENDS (EX.)
WB (square)	WATERMAIN BENDS (PR.)
FD (circle)	FIRE HYDRANT (EX.)
FD (circle)	FIRE HYDRANT (PR.)
SS (circle)	SANITARY SEWER (EX.)
SS (circle)	SANITARY SEWER (PR.)
SMH (circle)	SANITARY MH (EX.)
SMH (circle)	SANITARY MH (PR.)
SF (circle)	SANITARY FORCEMAIN (EX.)
SF (circle)	SANITARY FORCEMAIN (PR.)
SSW (circle)	STORM SEWER (EX.)
SSW (circle)	STORM SEWER (PR.)
SCB (circle)	STORM CATCHBASIN (RND.) (EX.)
SCB (circle)	STORM CATCHBASIN (RND.) (PR.)
D (line)	DITCH (EX.)
D (line)	DITCH (PR.)
S (line)	SWALE (PR.)
F (line)	FENCE (EX.)
TS (circle)	TOP OF SLOPE (EX.)
TS (circle)	TOP OF SLOPE (PR.)
BS (circle)	BOTTOM OF SLOPE (EX.)
BS (circle)	BOTTOM OF SLOPE (PR.)
--- (dashed)	LIMITS OF ROADWAY DISTURBANCE (PR.)
--- (dashed)	PHASE 1 LIMITS
--- (dashed)	PHASE 2 LIMITS
--- (dashed)	FILL AREA FOR HIGH SCHOOL CONTRACT
--- (dashed)	FILL AREA FOR COMMUNITY CAMPUS SERVICING CONTRACT
UP (circle)	UTILITY POLE (EX.)
UP (circle)	UTILITY POLE (PR.)
LS (circle)	LIGHT STANDARD (EX.)
LS (circle)	LIGHT STANDARD (PR.)
U/G (line)	U/G POWER (EX.)
U/G (line)	U/G POWER (PR.)
O/H (line)	O/H POWER (EX.)
O/H (line)	O/H POWER (PR.)
TS (circle)	TRAFFIC SIGNAL (PR.)
TC (line)	TRAFFIC CONDUIT (PR.)
MC (line)	MAJOR CONTOUR (EX.)
MC (line)	MAJOR CONTOUR (PR.)
MC (line)	MINOR CONTOUR (EX.)
MC (line)	MINOR CONTOUR (PR.)
SE (line)	SPOT ELEVATION (EX.)
SE (line)	SPOT ELEVATION (PR.)
RS (line)	ROAD SIGN (SM.) (EX.)
RS (line)	ROAD SIGN (SM.) (PR.)
TL (line)	TREELINE (EX.)
TL (line)	TREELINE (PR.)

**GENERAL NOTES**

- SEE ALL DRAWINGS FOR ADDITIONAL NOTES & DETAILS.
- TOPOGRAPHIC SURVEY COMPLETED BY ISE LTD. DURING THE PERIOD OF JANUARY 2021, PROJECT No. 20452.
- ADDITIONAL SURVEY WAS EXECUTED BY CBCL ON MAY 26, 2022.
- ELEVATIONS ARE REFERENCED TO CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28). ELEVATIONS ARE BASED ON PEICM #6022 WITH A PUBLISHED ELEVATION OF 21.36m.
- AZIMUTHS AND COORDINATES SHOWN ON THIS PLAN ARE REFERENCED TO PEICM #6022 WITH PUBLISHED COORDINATES N=687268.812 E=393341.348, BASED ON P.E.I. DOUBLE STEREOGRAPHIC PROJECTION WITH NAD83 (CSRS) REFERENCE SYSTEM, EPOCH 1997.
- SURVEY IS SUPPLEMENTED BY 50cm LIDAR CONTOURS.
- ALL EXISTING INFRASTRUCTURE IN PLAN AND PROFILE IS APPROXIMATE. EXACT LOCATION AND DEPTHS SHALL BE DETERMINED BY THE CONTRACTOR. REPAIR ANY DAMAGE TO EXISTING INFRASTRUCTURE AT NO ADDITIONAL COST TO THE CONTRACT.
- LOCATE ALL EXISTING INFRASTRUCTURE IN PLAN AND PROFILE TO THE ENGINEER. ALLOW 5 DAYS MIN. FOR DESIGN REVISIONS PRIOR TO SUBMISSION OF SHOP DRAWINGS.
- WHERE PROPOSED INFRASTRUCTURE REQUIRES CROSSING EXISTING CABLES, HIRE THE CORRESPONDING UTILITY TECHNICIAN TO BE ON SITE AT THE TIME OF EXCAVATION & BACKFILLING.
- CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES AND LAYOUT CONTROL. SEE DRAWING C16 FOR STREET LAYOUT INFORMATION.
- CONSTRUCTION ON THE FUTURE HIGH SCHOOL IS PROPOSED TO START IN THE SPRING OF 2023. COORDINATE WORKS WITH SCHOOL GENERAL & CIVIL CONTRACTOR TO AVOID ACCESS CONFLICTS.
- TEMPORARY ACCESS ROAD SHALL BE COMPLETED PRIOR TO JUNE 1ST, 2023.
- WORK WITHIN THE LIMITS OF PHASE 2 SHALL NOT BEGIN PRIOR TO SEPTEMBER 15TH, 2023 UNLESS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- PHASE 1 OF SITE SERVICING CONSTRUCTION; BURIED INFRASTRUCTURE INCLUDING ASPHALT BASE SHALL BE SUBSTANTIALLY PERFORMED PRIOR TO DECEMBER 1ST, 2023. LIFT STATION MAY BE COMMISSIONED DURING PHASE 2.
- ASPHALT SEAL SHALL BE PLACED IN 2024. SET INFRASTRUCTURE (MH'S, CB'S, VALVE BOXES, ETC.) WITHIN PAVED AREAS & SHOULDERS 50mm LOW AND COMPLETE FINAL ADJUSTMENT PRIOR TO PLACING ASPHALT SEAL.
- REINSTATE HIGH SCHOOL CONTRACT FILL AREAS WITH 150mm TOPSOIL (FROM ONSITE STOCKPILE) AND HYDROSEED IMMEDIATELY FOLLOWING THE COMPLETION OF EARTHWORKS BY THE HIGH SCHOOL CONTRACTOR.
- CONSTRUCT THE SEDIMENT CONTAINMENT SWALE, INLET DRAINAGE SWALE, INSTALL ENVIRONMENTAL CONTROLS AND COMPLETE REINSTATEMENT AND SOIL STABILIZATION FOR THE SEDIMENT CONTAINMENT SWALE.
- CONSTRUCT THE SOUTH OUTLET AND INSTALL ENVIRONMENTAL CONTROLS FOR THE SOUTH OUTLET.
- INSTALL SILT FENCE ALONG PHASE 1 R.O.W LIMITS.
- STRIP TOPSOIL WITHIN THE R.O.W. LIMITS OF PHASE 1.
- COMPLETE WATER AND SANITARY INFRASTRUCTURE INSTALLATION WITHIN THE LIMITS OF PHASE 1.
- COMPLETE THE ROAD CONSTRUCTION TO SUBGRADE WITHIN THE LIMITS OF PHASE 1.
- COMPLETE THE STORM SYSTEM INSTALLATION WITHIN THE LIMITS OF PHASE 1.
- COMPLETE THE ELECTRICAL INFRASTRUCTURE INSTALLATION WITHIN THE LIMITS OF PHASE 1.
- COMPLETE THE ROAD CONSTRUCTION WITHIN THE LIMITS OF PHASE 1.
- COMPLETE THE REINSTATEMENT & SITE STABILIZATION OF ALL DISTURBED AREAS WITHIN THE LIMITS OF PHASE 1.
- INSTALL SILT FENCE ALONG PHASE 2 R.O.W. LIMITS.
- STRIP TOPSOIL WITHIN THE R.O.W. LIMITS OF PHASE 2.
- COMPLETE WATER AND SANITARY INFRASTRUCTURE INSTALLATION WITHIN THE LIMITS OF PHASE 2.
- COMPLETE THE ROAD CONSTRUCTION TO SUBGRADE WITHIN THE LIMITS OF PHASE 2.
- COMPLETE THE ELECTRICAL INFRASTRUCTURE INSTALLATION WITHIN THE LIMITS OF PHASE 2.
- COMPLETE THE ROAD CONSTRUCTION WITHIN THE LIMITS OF PHASE 2.
- COMPLETE THE REINSTATEMENT & SITE STABILIZATION OF ALL DISTURBED AREAS WITHIN THE LIMITS OF PHASE 2.

**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	Issued for Approval & Tender	MAR 17/23	TSL

Revision or Issue



**TOWN OF STRATFORD**  
**COMMUNITY CAMPUS**  
SITE SERVICING  
CIVIL

**OVERALL SITE PLAN**

CBCL

CBCL No. 222617.00	Contract No. 222617.00	Date MAR, 2023	Scale AS NOTED
Designed TSL	Drawn TSL	Checked PSH	Approved TSL
Sheet No. 1 of 29	Drawing No. C01		

PROFESSIONAL ENGINEER  
Tim LeLacheur  
1453  
MAR 17, 2023  
PROVINCE OF PRINCE EDWARD ISLAND



**ENVIRONMENTAL PROTECTION NOTES:**

- DO NOT REMOVE OR DISTURB VEGETATION OUTSIDE THE DEVELOPMENT PERMIT APPROVED AREA OF CONSTRUCTION.
- STABILIZE ACCESS ROADS AS SOON AS POSSIBLE.
- ANY MUD OR DEBRIS THAT IS TRACKED ONTO THE PUBLIC ROADWAY MUST BE CLEANED OFF BY THE END OF EACH WORK DAY.
- INSTALLATION OF ENVIRONMENTAL CONTROLS SHALL BE A FIRST STEP IN THE CONSTRUCTION SEQUENCE, AND THEIR DESIGN, INSTALLATION AND MAINTENANCE SHALL BE AS PER PEI DTI'S ENVIRONMENTAL PROTECTION PLAN (EPP) AND THE DETAILS PROVIDED ON THESE DRAWING.
- ALL NECESSARY ENVIRONMENTAL CONTROLS SHALL BE IN PLACE PRIOR TO, DURING AND AFTER PROJECT ACTIVITIES UNTIL VEGETATION HAS BEEN ESTABLISHED TO AVOID OFFSITE SILTATION.
- WORK SHOULD BE SCHEDULED TO AVOID PERIODS OF HEAVY PRECIPITATION. SHORT-TERM EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCE, STRAW BALES, TEMPORARY MATTING, GEOTEXTILE FILTER FABRIC) MUST BE INSTALLED TO
- FILL MATERIAL USED IN CONSTRUCTION MUST BE COMMON OR SELECT BORROW IN ACCORDANCE WITH PEI DTI STANDARD SPECIFICATIONS.
- ANY EXPOSED SOIL AREA MUST BE MINIMIZED BY LIMITING THE AREA THAT IS EXPOSED AT ONE TIME AND BY LIMITING THE TIME THAT ANY ONE AREA IS EXPOSED.
- ALL STOCKPILED/EXCAVATED MATERIAL MUST BE CONTAINED AND/OR DYKED TO PREVENT EROSION OR RUNOFF CONTAINING SEDIMENT FROM LEAVING THE SITE.
- AVOID DISTURBANCE OF VEGETATION AND NATURAL FEATURES WHERE POSSIBLE. ALL WORK IS TO BE CONFINED TO THE SITE LIMITS DELINEATED AND/OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- NO STAGING OF MATERIALS/EQUIPMENT WILL TAKE PLACE ON ANY ENVIRONMENTALLY SENSITIVE AREA. ALL STAGING AREA SITES, IF REQUIRED, WILL BE DETERMINED BY THE OWNER'S REPRESENTATIVE.
- AN APPROPRIATELY SIZED EMERGENCY SPILL

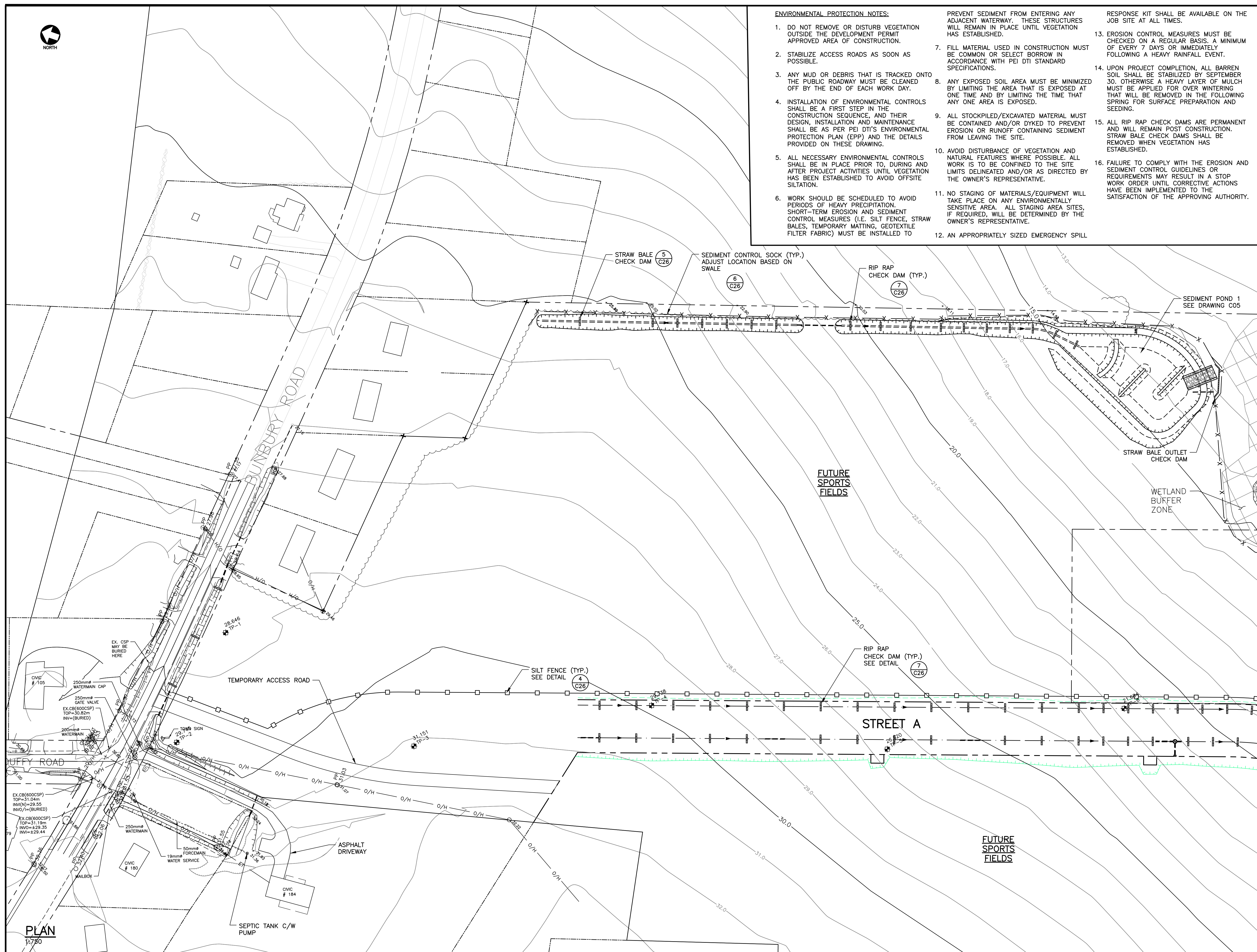
PREVENT SEDIMENT FROM ENTERING ANY ADJACENT WATERWAY. THESE STRUCTURES WILL REMAIN IN PLACE UNTIL VEGETATION HAS ESTABLISHED.

RESPONSE KIT SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.

- EROSION CONTROL MEASURES MUST BE CHECKED ON A REGULAR BASIS. A MINIMUM OF EVERY 7 DAYS OR IMMEDIATELY FOLLOWING A HEAVY RAINFALL EVENT.
- UPON PROJECT COMPLETION, ALL BARREN SOIL SHALL BE STABILIZED BY SEPTEMBER 30. OTHERWISE A HEAVY LAYER OF MULCH MUST BE APPLIED FOR OVER WINTERING THAT WILL BE REMOVED IN THE FOLLOWING SPRING FOR SURFACE PREPARATION AND SEEDING.
- ALL RIP RAP CHECK DAMS ARE PERMANENT AND WILL REMAIN POST CONSTRUCTION. STRAW BALE CHECK DAMS SHALL BE REMOVED WHEN VEGETATION HAS ESTABLISHED.
- FAILURE TO COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES OR REQUIREMENTS MAY RESULT IN A STOP WORK ORDER UNTIL CORRECTIVE ACTIONS HAVE BEEN IMPLEMENTED TO THE SATISFACTION OF THE APPROVING AUTHORITY.

**NOTES**

- SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.



**LEGEND**

- SILT FENCE (PR.)
- X SEDIMENT CONTROL SOCK (PR.)
- ▭ STRAW BALE CHECK DAM (PR.)
- ▭ RIP RAP CHECK DAM (PR.)
- - - TOP OF SLOPE (PR.)
- - - BOTTOM OF SLOPE (PR.)
- - - DITCH (PR.)
- - - LIMITS OF ROADWAY DISTURBANCE (PR.)

NOT FOR CONSTRUCTION

No.	Description	Date	By

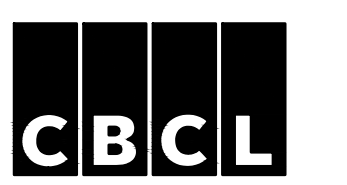


TOWN OF STRATFORD

COMMUNITY CAMPUS

SITE SERVICING  
CIVIL

OVERALL EROSION &  
SEDIMENT CONTROL PLAN 1



Contract No 222617.00	Date MAR, 2023	Scale AS NOTED
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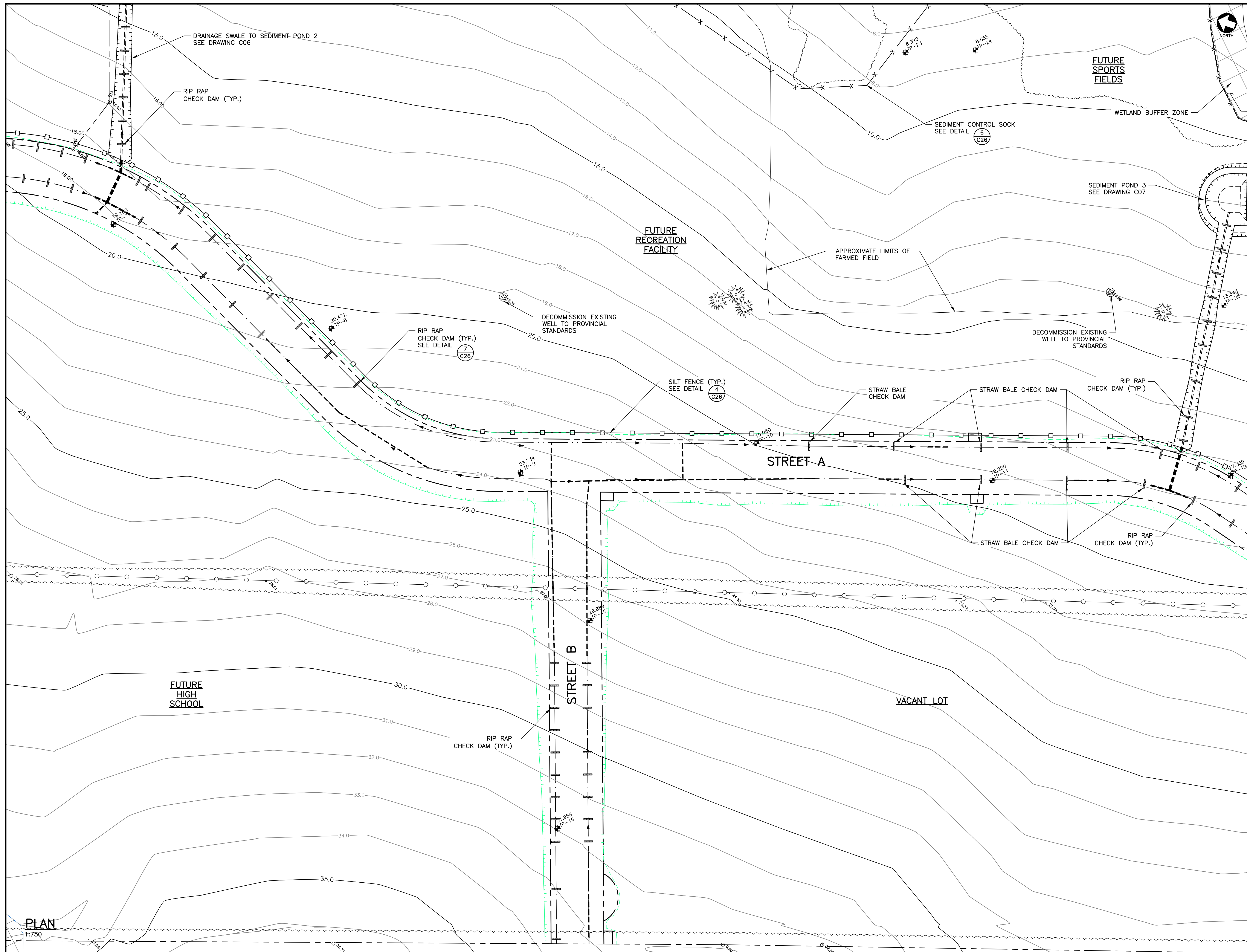
Designed AHG	Drawn DRC
Checked PSH	Approved TSL

Sheet No  
2 of 29

Drawing No  
**C02**



PLAN  
1:750



**NOTES**  
 1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**LEGEND**

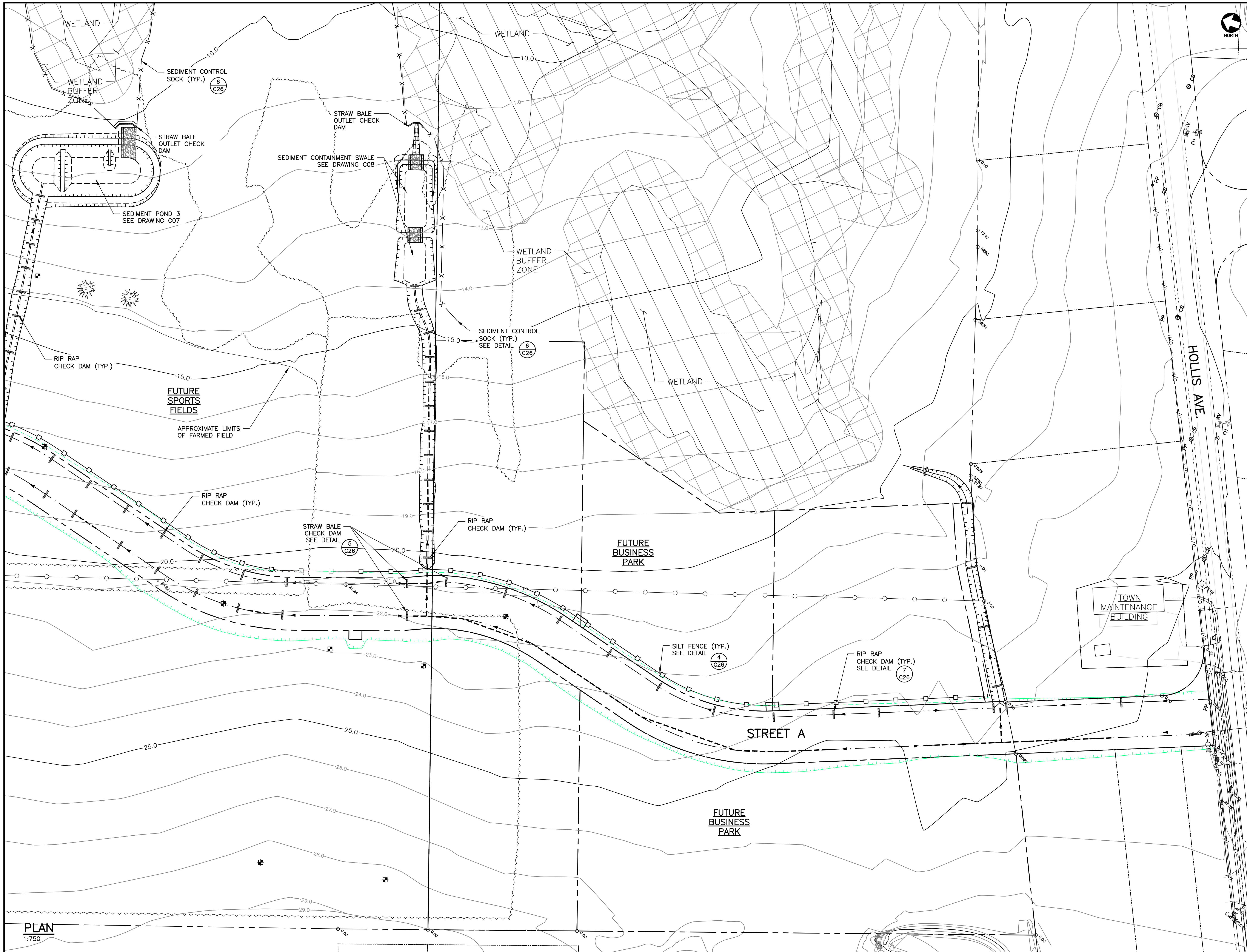
	SILT FENCE (PR.)
	SEDIMENT CONTROL SOCK (PR.)
	STRAW BALE CHECK DAM (PR.)
	RIP RAP CHECK DAM (PR.)
	TOP OF SLOPE (PR.)
	BOTTOM OF SLOPE (PR.)
	DITCH (PR.)
	LIMITS OF ROADWAY DISTURBANCE (PR.)

<b>NOT FOR CONSTRUCTION</b>		
No.	Description	Date
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23
Revision or Issue		

**TOWN OF STRATFORD**  
 COMMUNITY CAMPUS  
 SITE SERVICING  
 CIVIL  
**OVERALL EROSION & SEDIMENT CONTROL PLAN 2**

**CBCL**

Contract No. 222617.00	Date MAR, 2023	Scale AS NOTED
Designed AHG	Drawn DRC	
Checked PSH	Approved TSL	
Sheet No. 3	of 29	
<b>C03</b>		



**NOTES**  
 1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**LEGEND**

	SILT FENCE (PR.)
	SEDIMENT CONTROL SOCK (PR.)
	STRAW BALE CHECK DAM (PR.)
	RIP RAP CHECK DAM (PR.)
	TOP OF SLOPE (PR.)
	BOTTOM OF SLOPE (PR.)
	DITCH (PR.)
	LIMITS OF ROADWAY DISTURBANCE (PR.)

**NOT FOR CONSTRUCTION**

No.	Description	Date	By

**TOWN OF STRATFORD**  
 COMMUNITY CAMPUS  
 SITE SERVICING  
 CIVIL  
**OVERALL EROSION & SEDIMENT CONTROL PLAN 3**

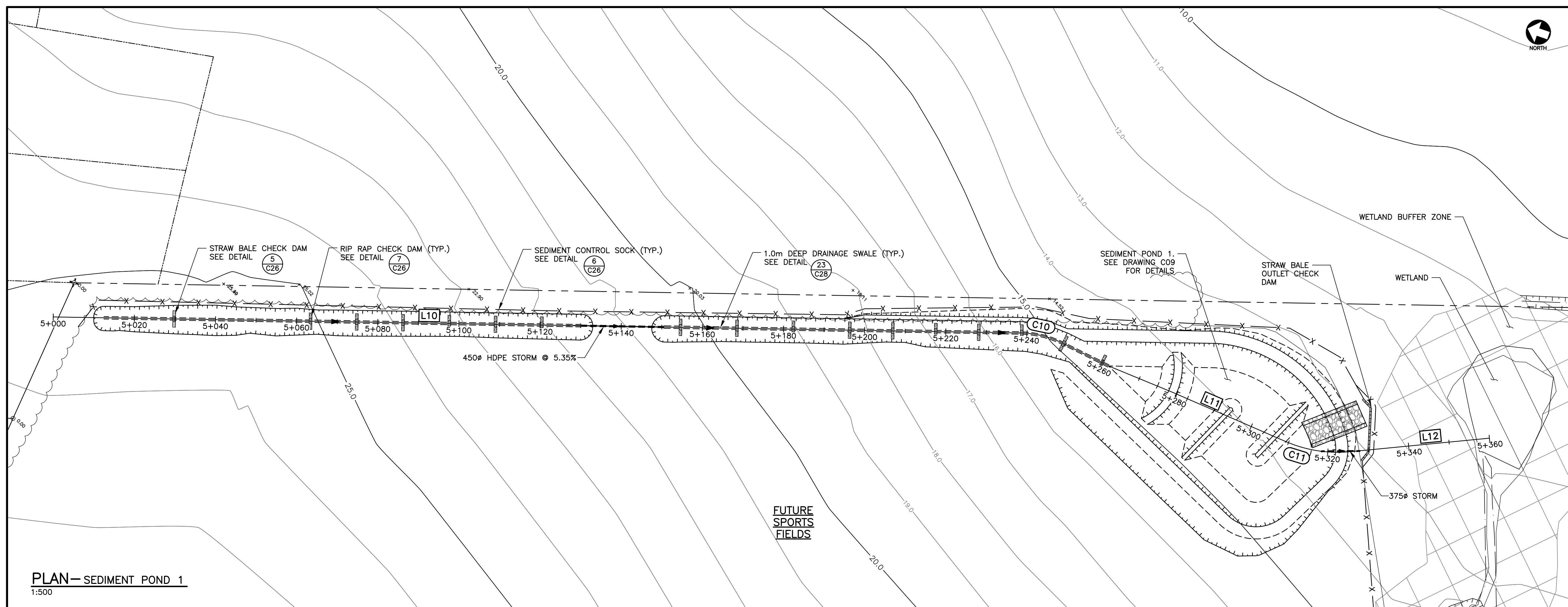
**CBCL**

CBCL No 222617.00	Contract No 222617.00	Date MAR, 2023	Scale AS NOTED
Designed AHG	Drawn DRC	Checked PSH	Approved TSL
Sheet No 4 of 29		Drawing No <b>C04</b>	

**PLAN**  
1:750



**NOTES**  
 1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.



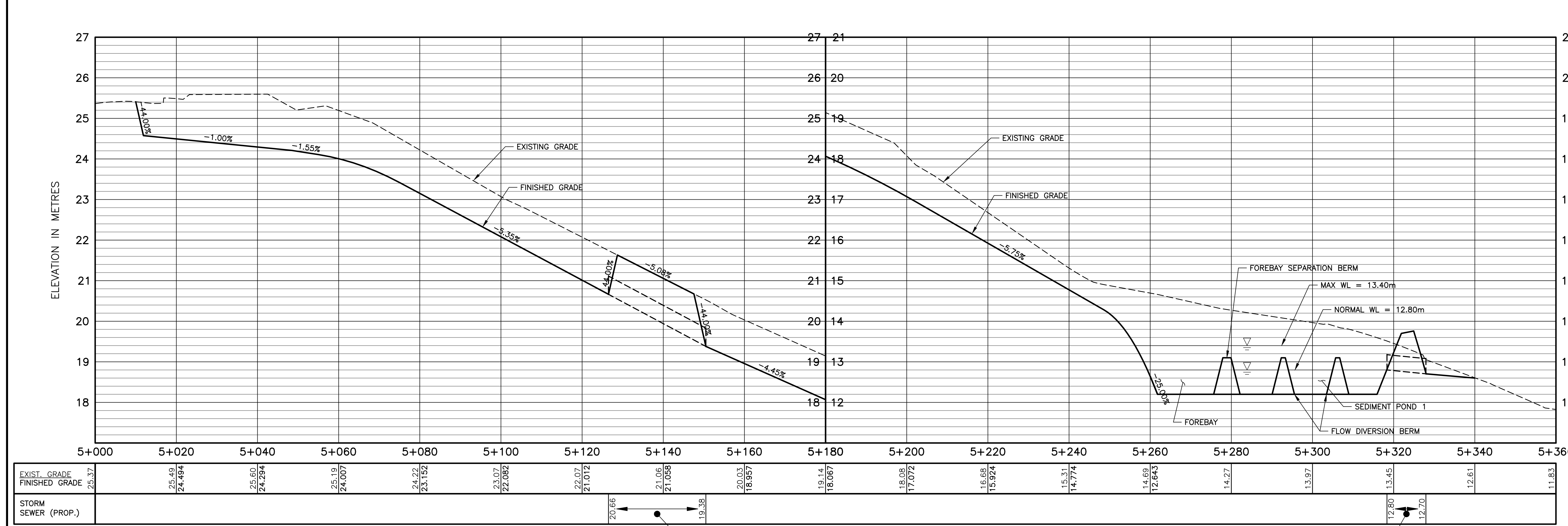
**PLAN—SEDIMENT POND 1**  
 1:500

**LEGEND**

	SILT FENCE (PR.)
	SEDIMENT CONTROL SOCK (PR.)
	STRAW BALE CHECK DAM (PR.)
	RIP RAP CHECK DAM (PR.)
	TOP OF SLOPE (PR.)
	BOTTOM OF SLOPE (PR.)
	DITCH (PR.)
	LIMITS OF ROADWAY DISTURBANCE (PR.)

**NOT FOR CONSTRUCTION**

0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL
No.	Description	Date	By



**PROFILE—SEDIMENT POND 1**  
 1:500 [H] 1:50 [V]

Revision or Issue

**TOWN OF STRATFORD**

**COMMUNITY CAMPUS**

SITE SERVICING  
 CIVIL

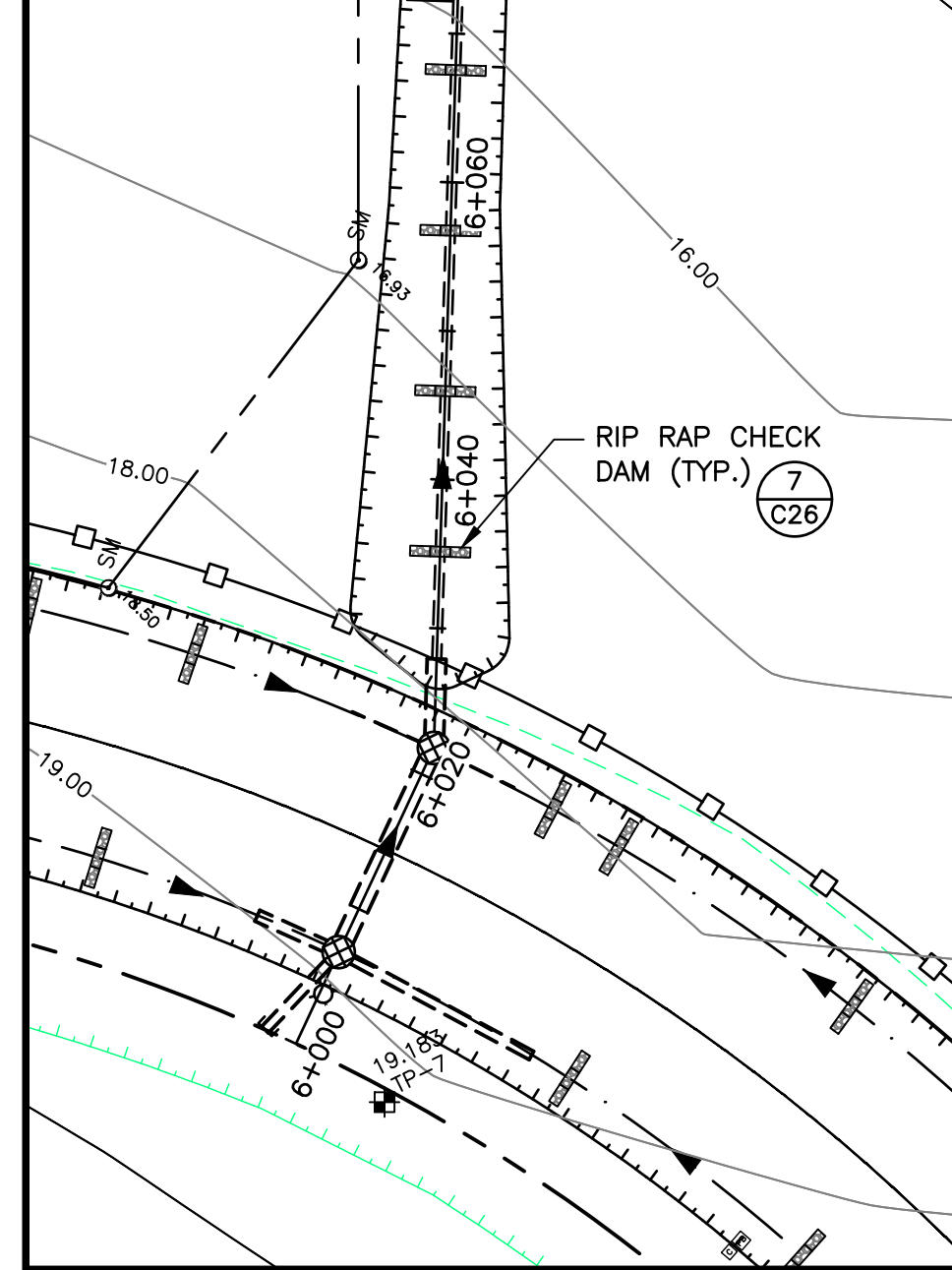
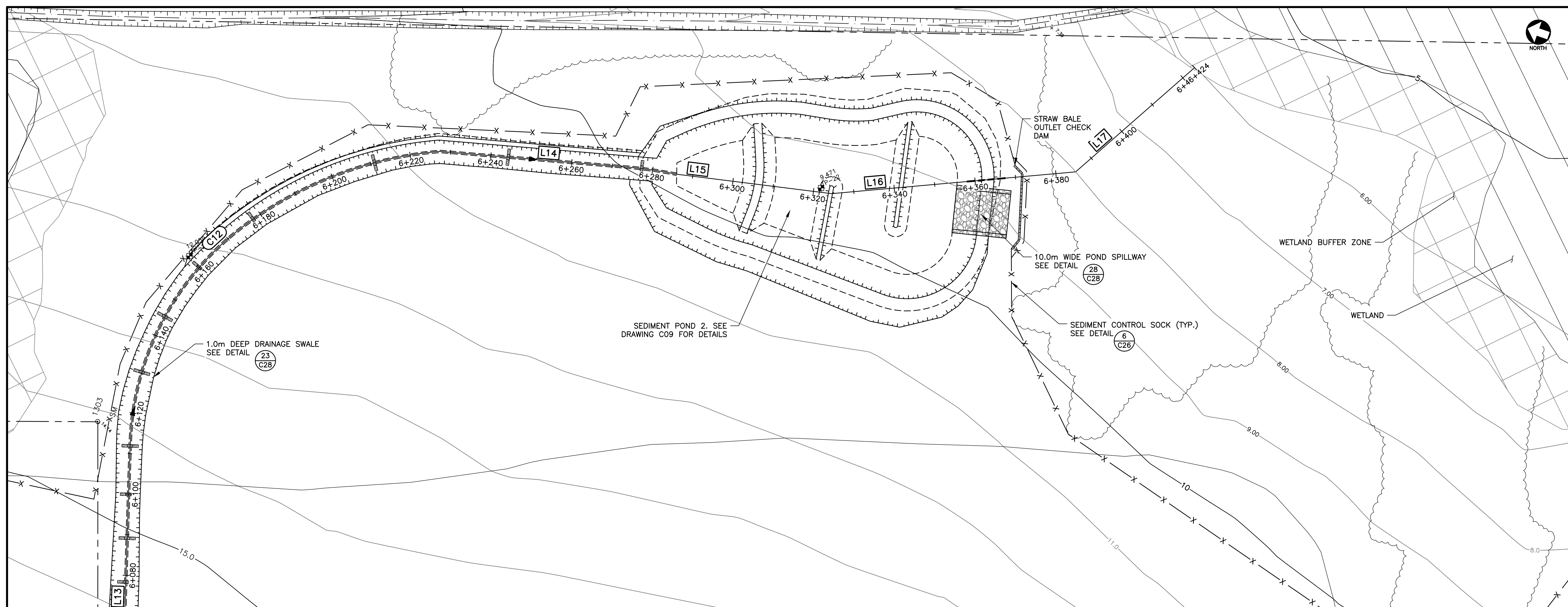
**PLAN & PROFILE SEDIMENT POND 1**

**CBCL**

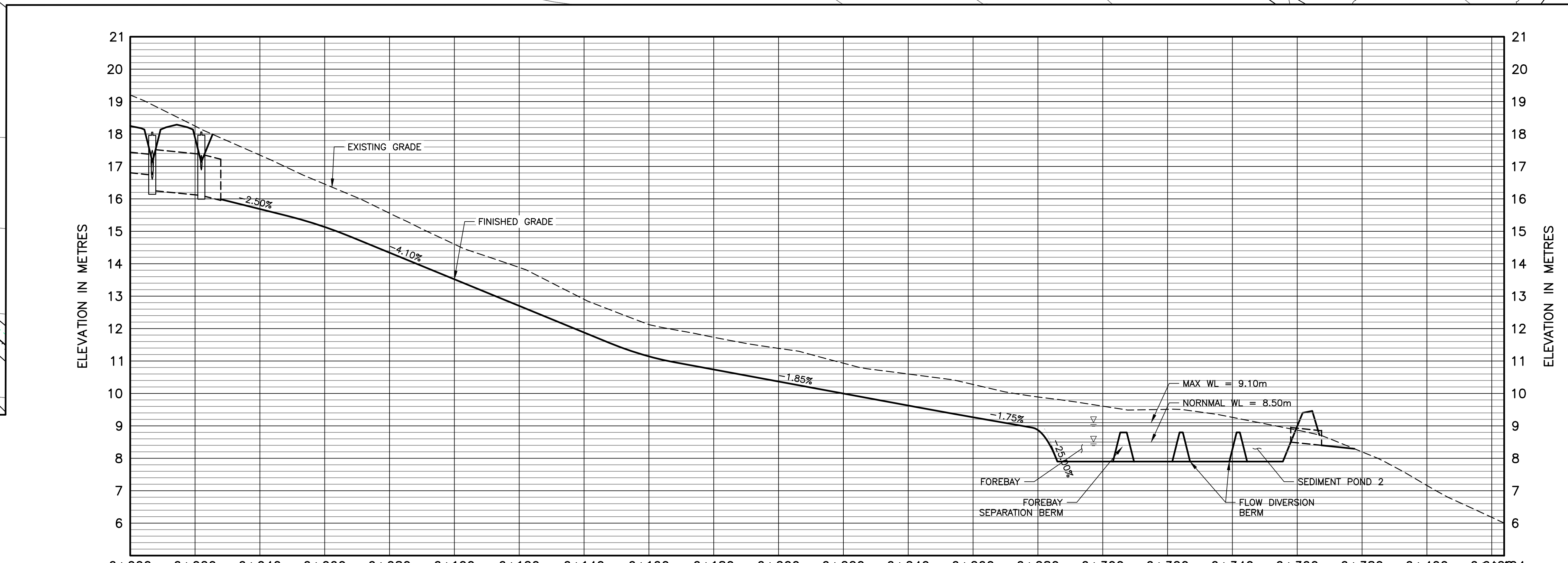
Contract No	222617.00	Date	MAR, 2023	Scale	AS NOTED
Described	AHG	Drawn	AHG	Checked	PSH
Approved	TSL	Sheet No	5 of 29	Drawing No	C05

PROFESSIONAL ENGINEER  
 Avery H Gilks  
 2494  
 PROVINCE OF PRINCE EDWARD ISLAND

**NOTES**  
 1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.



**PLAN—SEDIMENT POND 2**  
 1:500



**PROFILE—SEDIMENT POND 2**  
 1:750 [H] 1:75 [V]


EXIST. GRADE	19.20	18.25	17.35	16.46	15.56	14.60	13.69	12.73	11.81	10.93	10.06	9.28	8.51	7.76	7.16	6.68	6.00
FINISHED GRADE	18.25	17.35	16.46	15.56	14.60	13.69	12.73	11.81	10.93	10.06	9.28	8.51	7.76	7.16	6.68	6.00	
STORM SEWER (PROP.)	18.25	17.35	16.46	15.56	14.60	13.69	12.73	11.81	10.93	10.06	9.28	8.51	7.76	7.16	6.68	6.00	


7.19m—600 $\phi$  HDPE STM @ 1.00%  
 15.14m—1200 $\phi$  HDPE STM @ 1.00%  
 6.00m—1200 $\phi$  HDPE STM @ 2.55%  
 9.50m—450 $\phi$  HDPE STM @ 1.05%

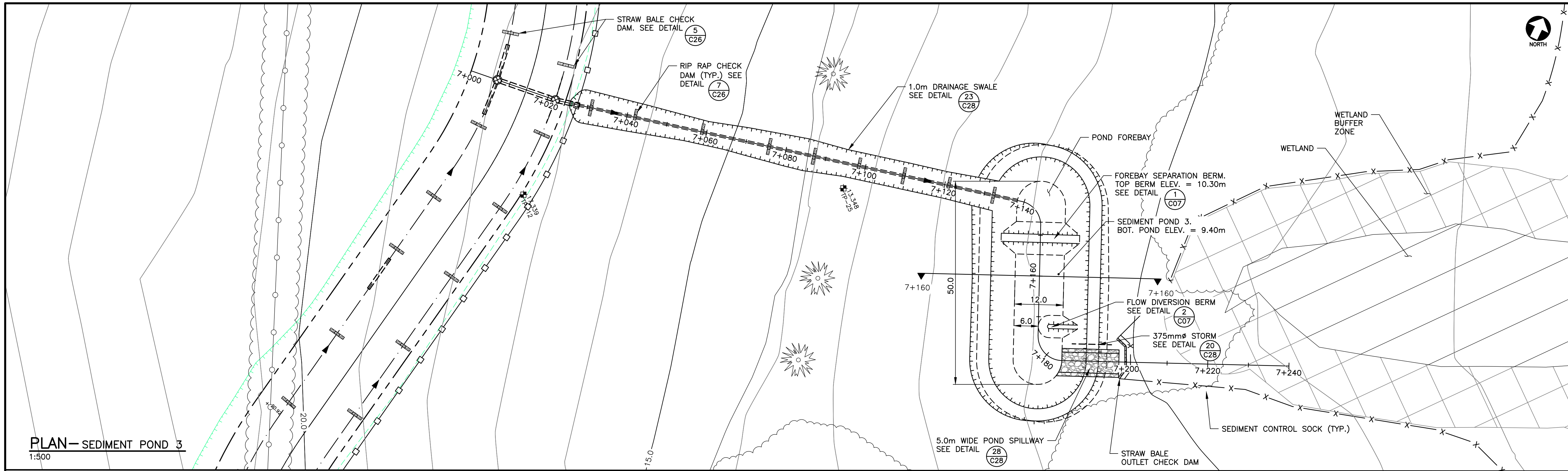
- LEGEND**
- SILT FENCE (PR.)
  - X SEDIMENT CONTROL SOCK (PR.)
  - ▨ STRAW BALE CHECK DAM (PR.)
  - ▧ RIP RAP CHECK DAM (PR.)
  - TOP OF SLOPE (PR.)
  - - - BOTTOM OF SLOPE (PR.)
  - - - DITCH (PR.)
  - LIMITS OF ROADWAY DISTURBANCE (PR.)

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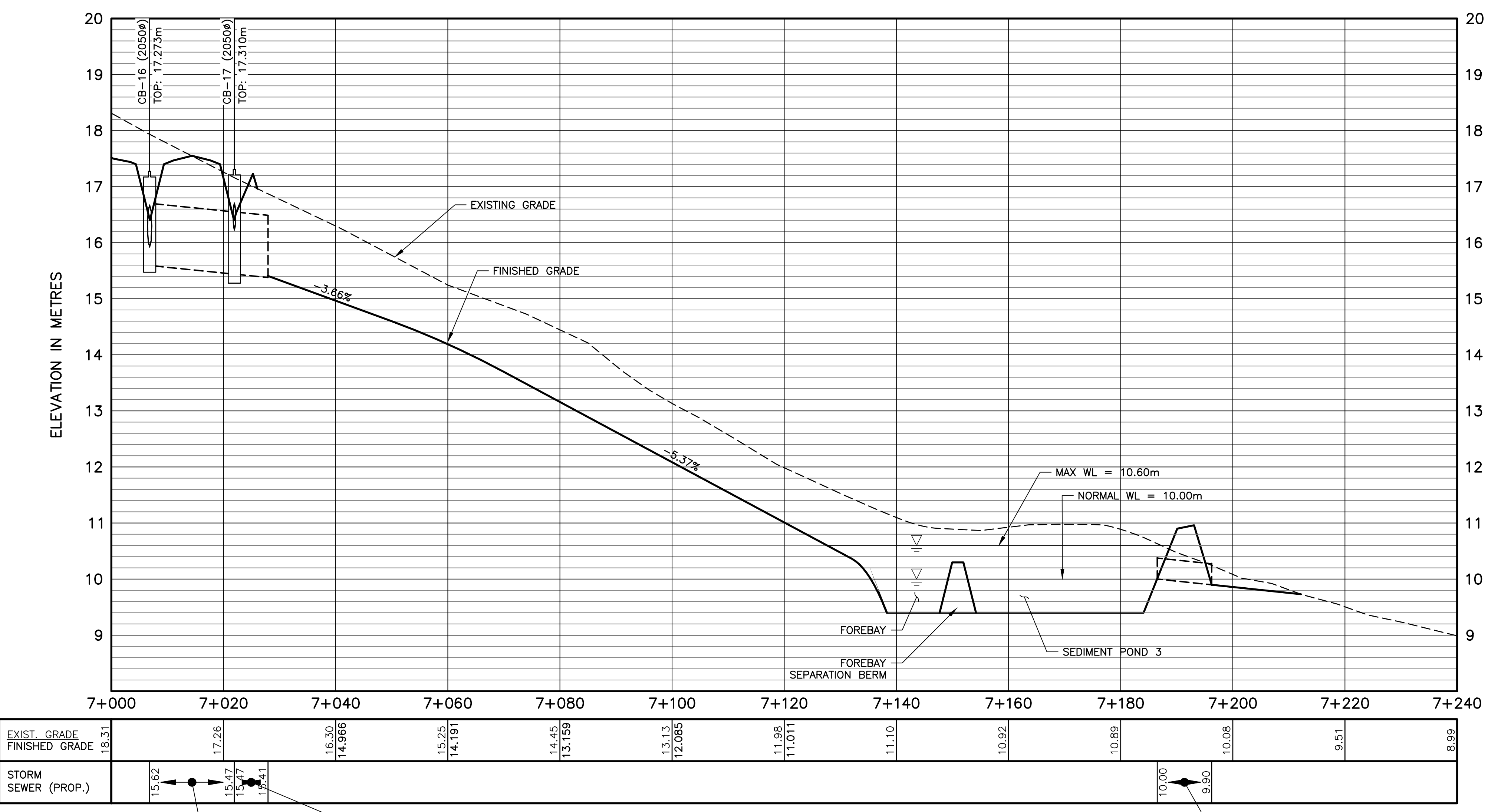
  
**TOWN OF STRATFORD**  
 COMMUNITY CAMPUS  
 SITE SERVICING  
 CIVIL  
**PLAN & PROFILE SEDIMENT POND 2**

  
 Contract No 222617.00 Date MAR, 2023 Scale AS NOTED  
 Contract No 222617.00 Date MAR, 2023 Scale AS NOTED  
 Designed AHG Drawn AHG  
 Checked PSH Approved TSL  
 Sheet No 6 of 29  
 Drawing No  
C06

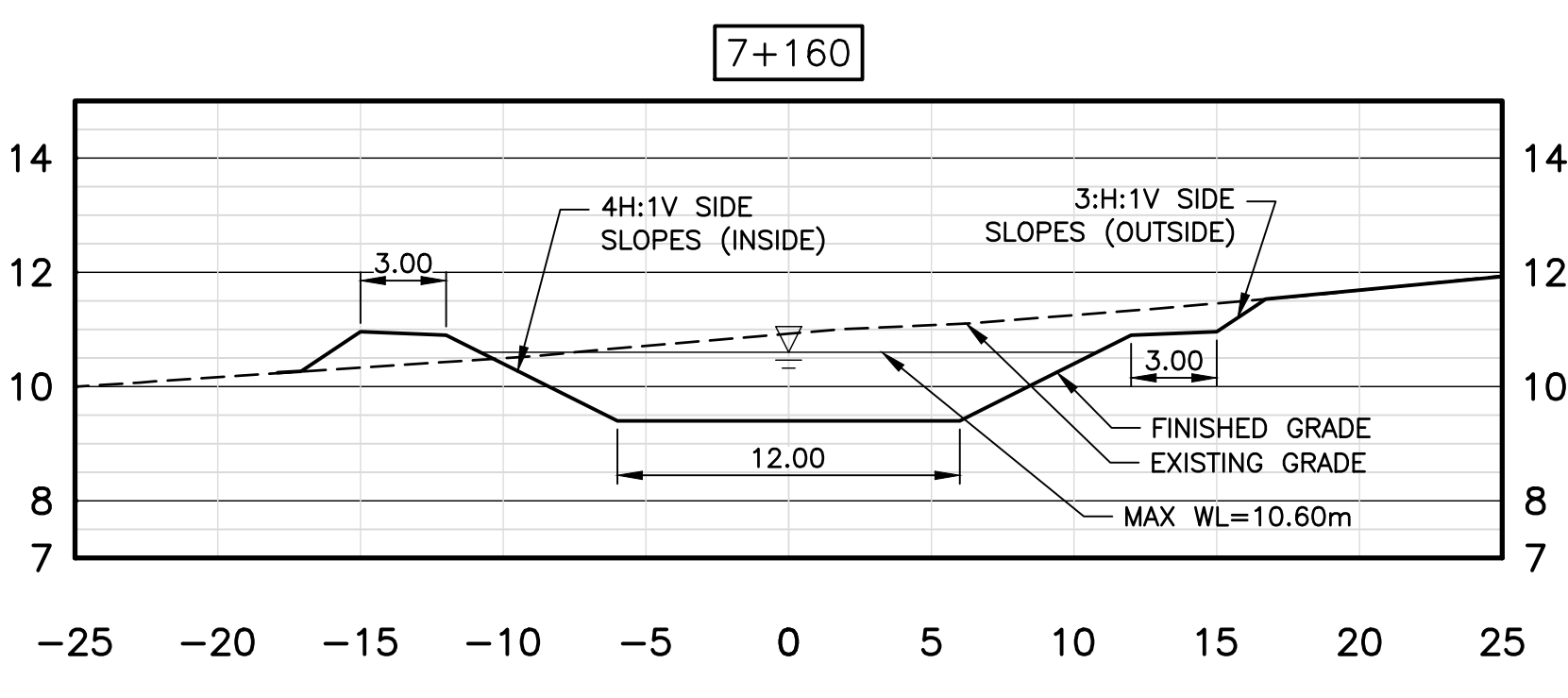


**NOTES**  
 1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

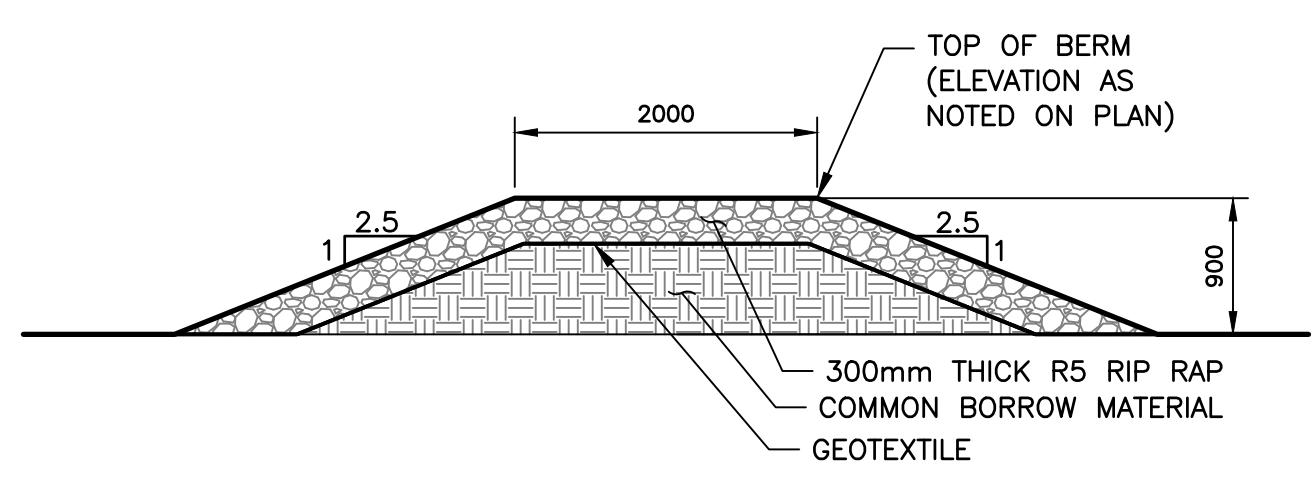
**PLAN - SEDIMENT POND 3**  
 1:500



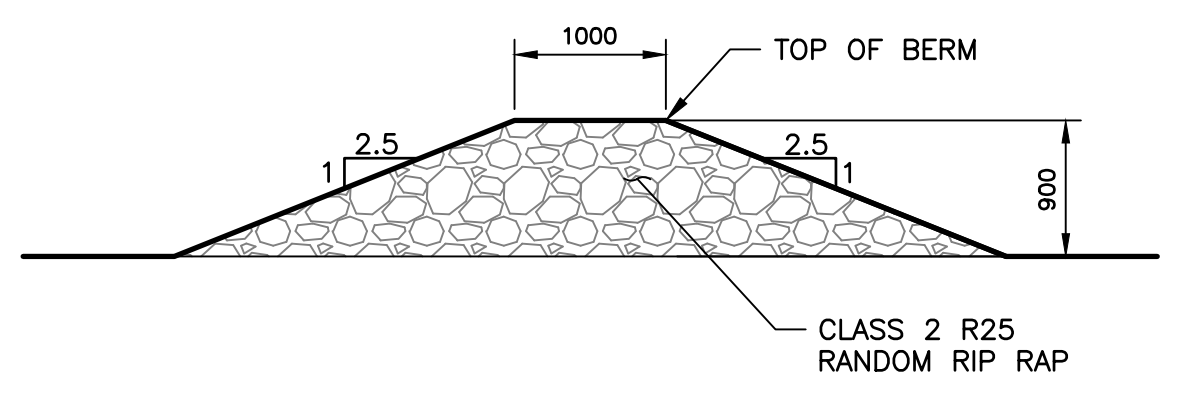
**PROFILE - SEDIMENT POND 3**  
 1:500 [H] 1:50 [V]



**SECTION - SEDIMENT POND 3**  
 1:250[H] 1:125[V]



**1** DETAIL - FOREBAY SEPARATION BERM SECTION  
 N.T.S.



**2** DETAIL - FLOW DIVERSION BERM SECTION  
 N.T.S.

**LEGEND**

- SILT FENCE (PR.)
- X SEDIMENT CONTROL SOCK (PR.)
- ▭ STRAW BALE CHECK DAM (PR.)
- ▭ RIP RAP CHECK DAM (PR.)
- - - TOP OF SLOPE (PR.)
- - - BOTTOM OF SLOPE (PR.)
- - - DITCH (PR.)
- - - LIMITS OF ROADWAY DISTURBANCE (PR.)

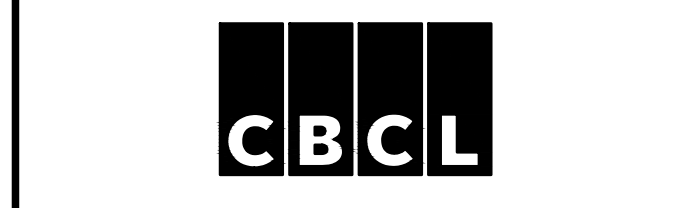
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0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL



**TOWN OF STRATFORD**  
 COMMUNITY CAMPUS  
 SITE SERVICING  
 CIVIL

**PLAN, PROFILE & SECTION SEDIMENT POND 3**

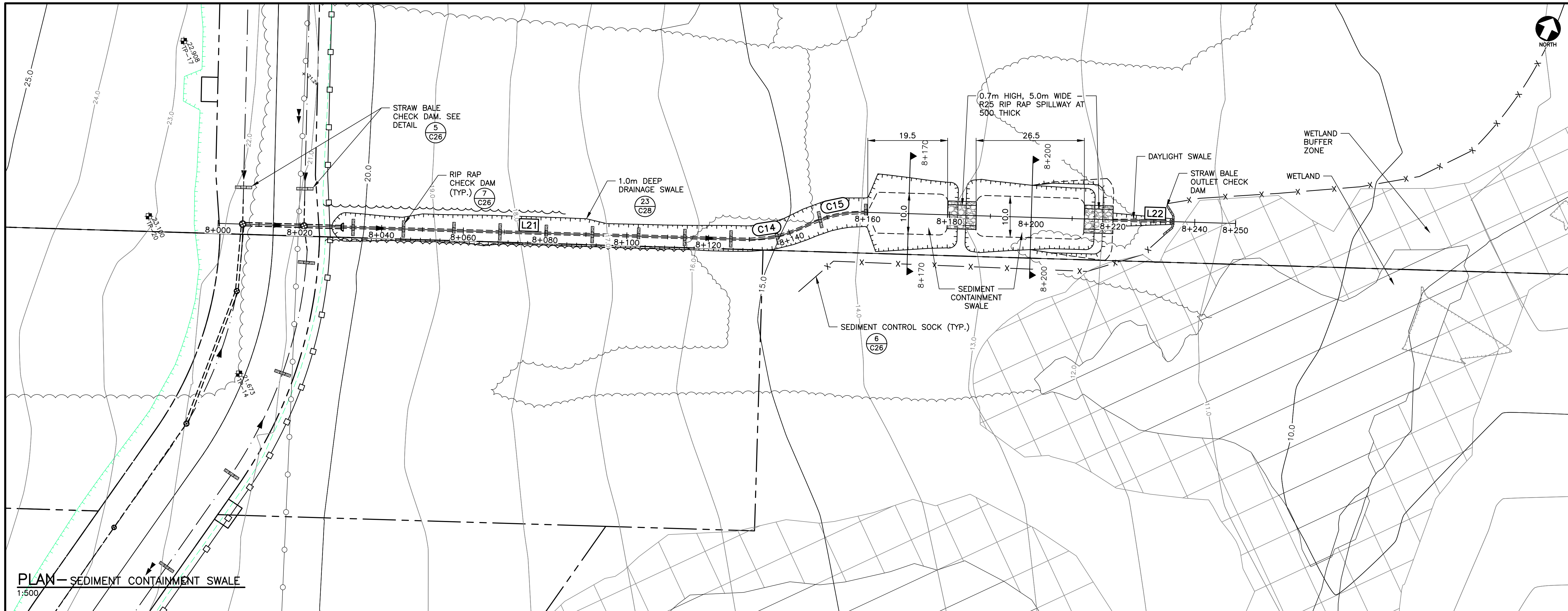


Contract No.	Date	Scale
222617.00	MAR 2023	AS NOTED

Designed	Drawn
AHG	AHG
Checked	Approved
PSH	TSL

Sheet No. 7 of 29  
 Drawing No. **C07**

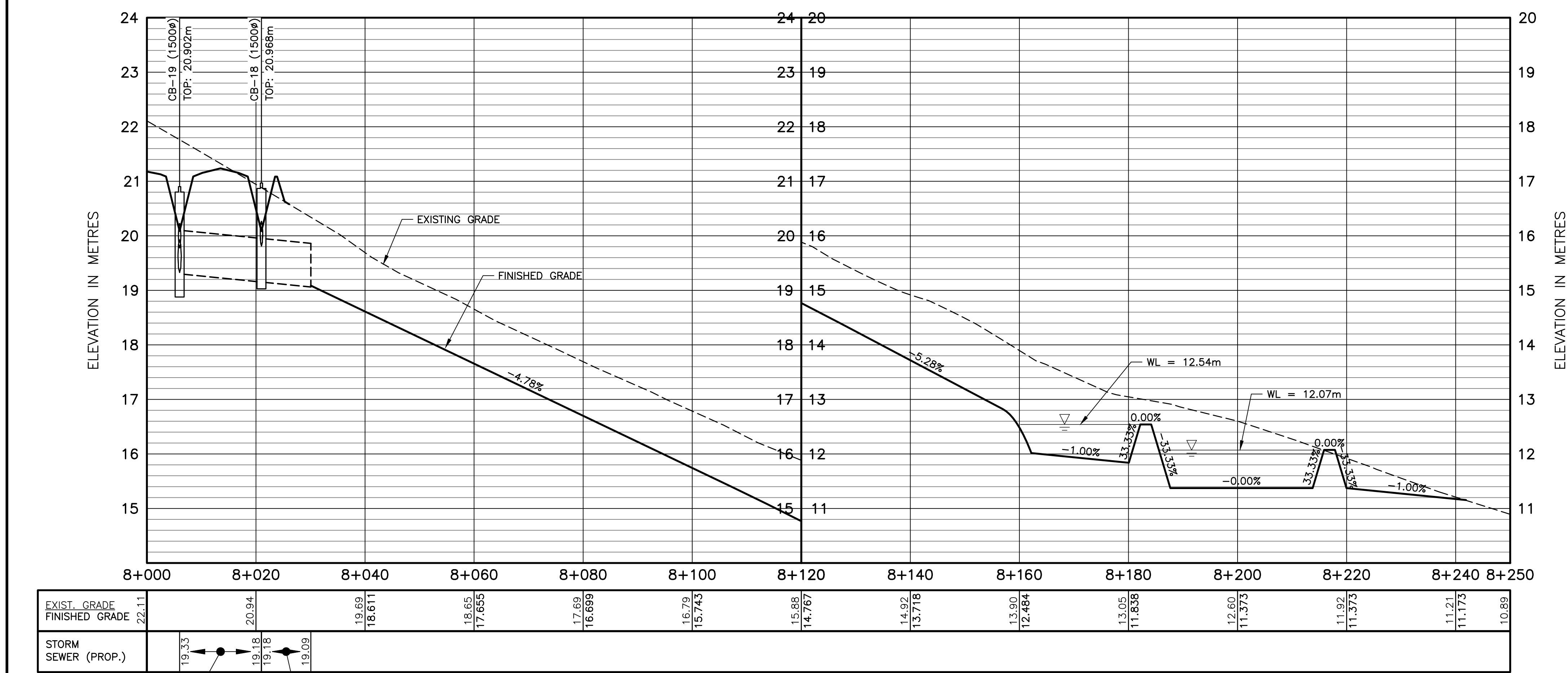




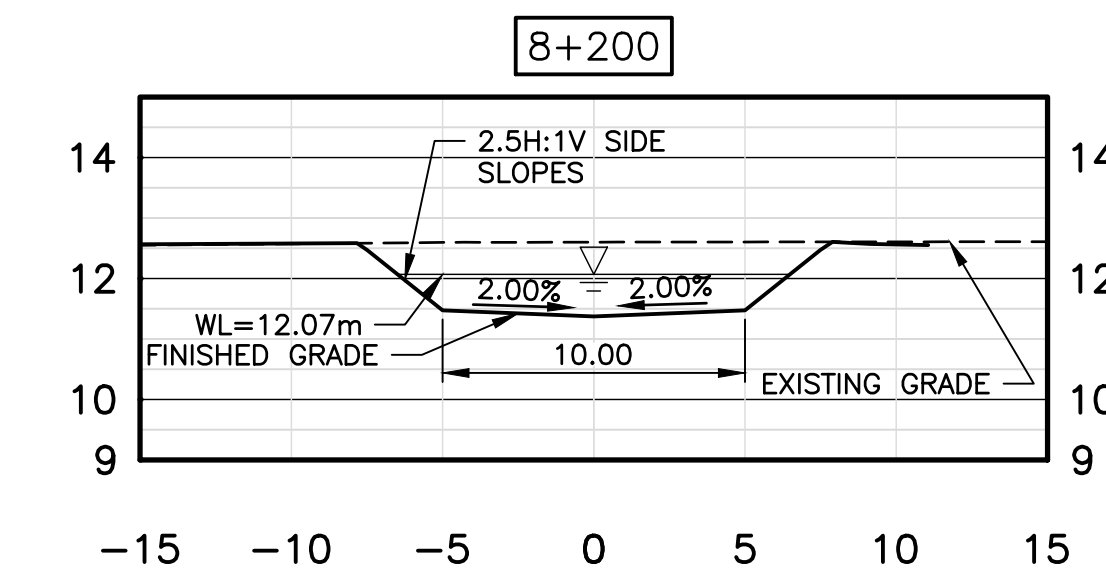
PLAN - SEDIMENT CONTAINMENT SWALE  
1:500

NOTES  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

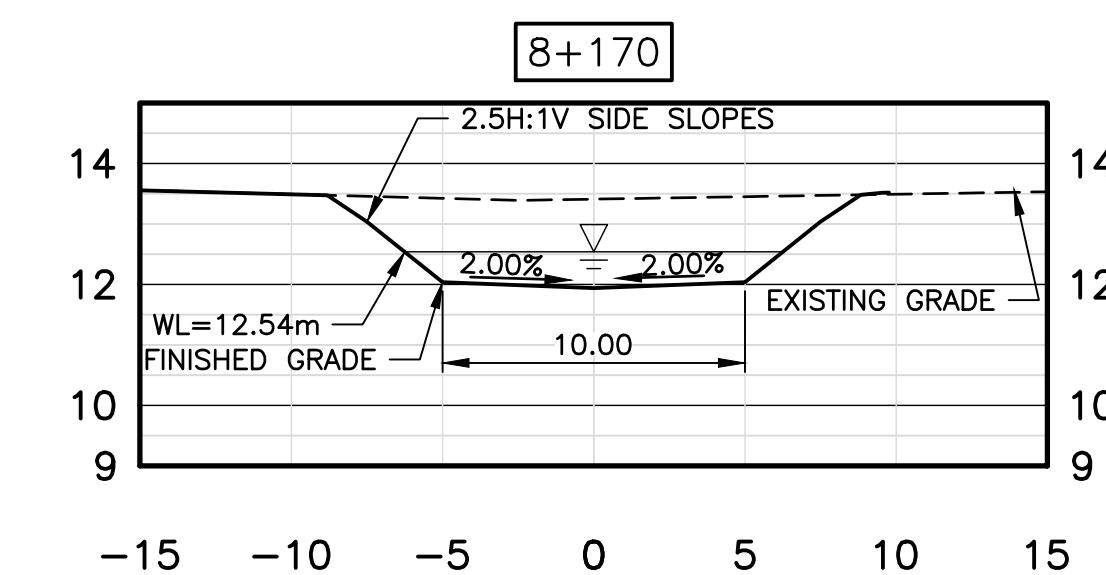
- LEGEND
- SILT FENCE (PR.)
  - X SEDIMENT CONTROL SOCK (PR.)
  - ▭ STRAW BALE CHECK DAM (PR.)
  - ▭ RIP RAP CHECK DAM (PR.)
  - - - - - TOP OF SLOPE (PR.)
  - - - - - BOTTOM OF SLOPE (PR.)
  - - - - - DITCH (PR.)
  - - - - - LIMITS OF ROADWAY DISTURBANCE (PR.)



PROFILE - SEDIMENT CONTAINMENT SWALE  
1:500 [H] 1:50 [V]



SECTION - SEDIMENT CONTAINMENT SWALE  
1:250



SECTION - SEDIMENT CONTAINMENT SWALE  
1:250

**NOT FOR CONSTRUCTION**

No.	Description	Date	By
	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

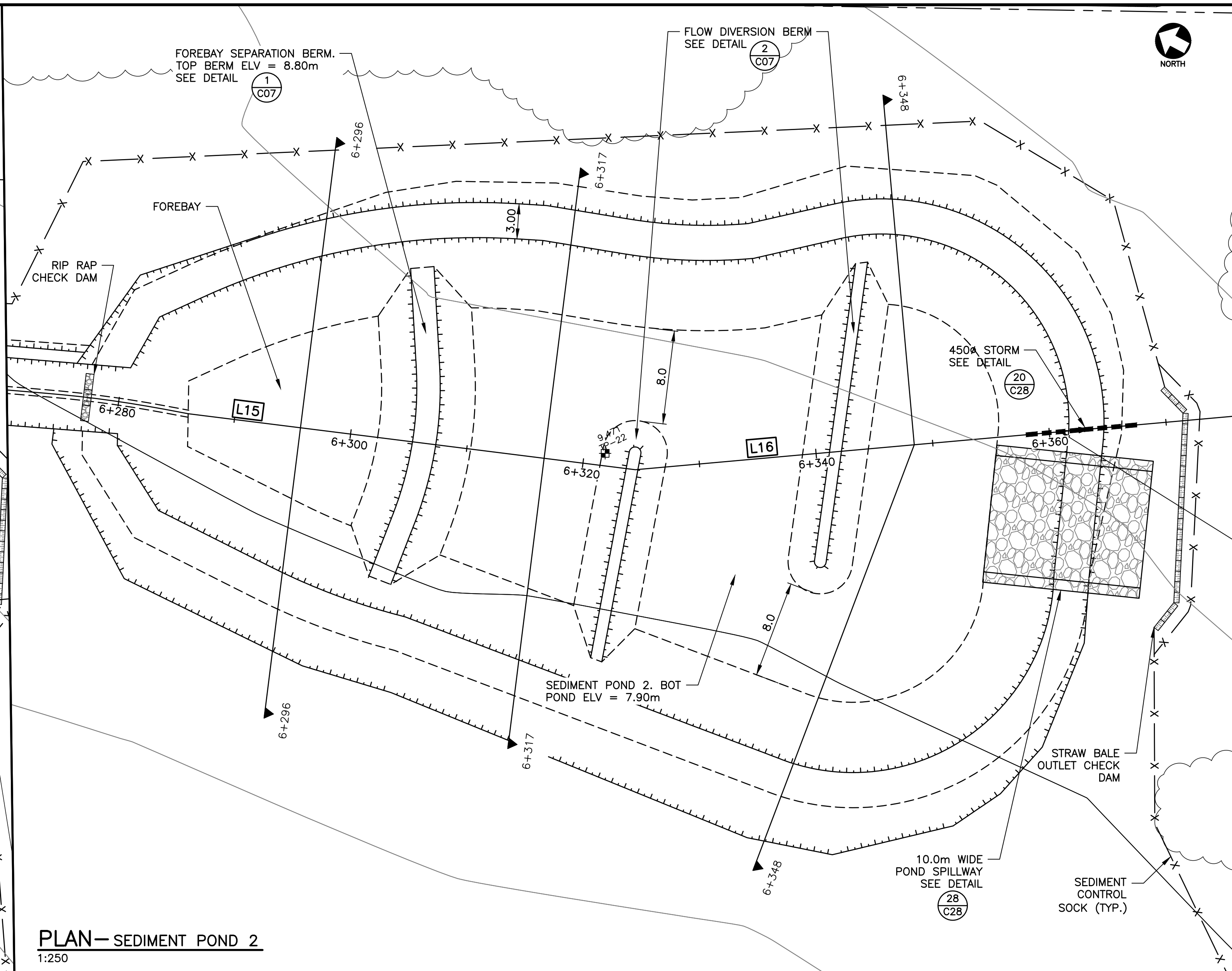
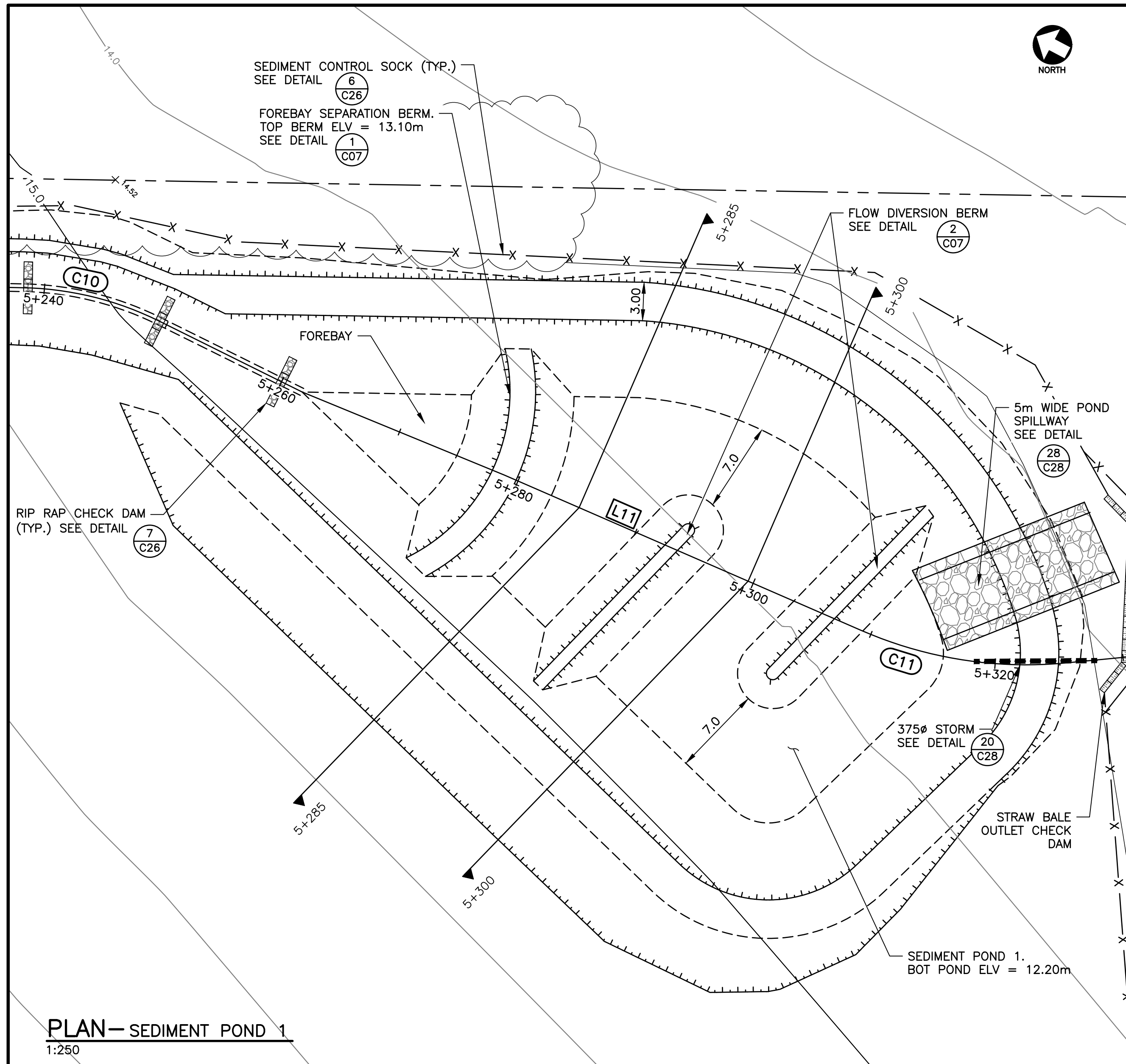
Revision or Issue

**Stratford**  
TOWN OF STRATFORD  
COMMUNITY CAMPUS  
SITE SERVICING  
CIVIL  
PLAN, PROFILE & SECTIONS  
SEDIMENT CONTAINMENT  
SWALE

**CBCL**

Contract No.	222617.00	Date	MAR, 2023	Scale	AS NOTED
Designed	AHG	Checked	PSH	Approved	TSL
Sheet No.	8	of 29		Drawing No.	

**C08**



**NOTES**  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**LEGEND**

- SILT FENCE (PR.)
- SEDIMENT CONTROL SOCK (PR.)
- STRAW BALE CHECK DAM (PR.)
- RIP RAP CHECK DAM (PR.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (PR.)
- DITCH (PR.)
- LIMITS OF ROADWAY DISTURBANCE (PR.)

**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

Revision or Issue

**TOWN OF STRATFORD**  
COMMUNITY CAMPUS  
SITE SERVICING  
CIVIL

**PLAN & SECTIONS  
SEDIMENT POND 1 & 2**

**CBCL**

Contract No	Date	Scale
222617.00	MAR 2023	AS NOTED

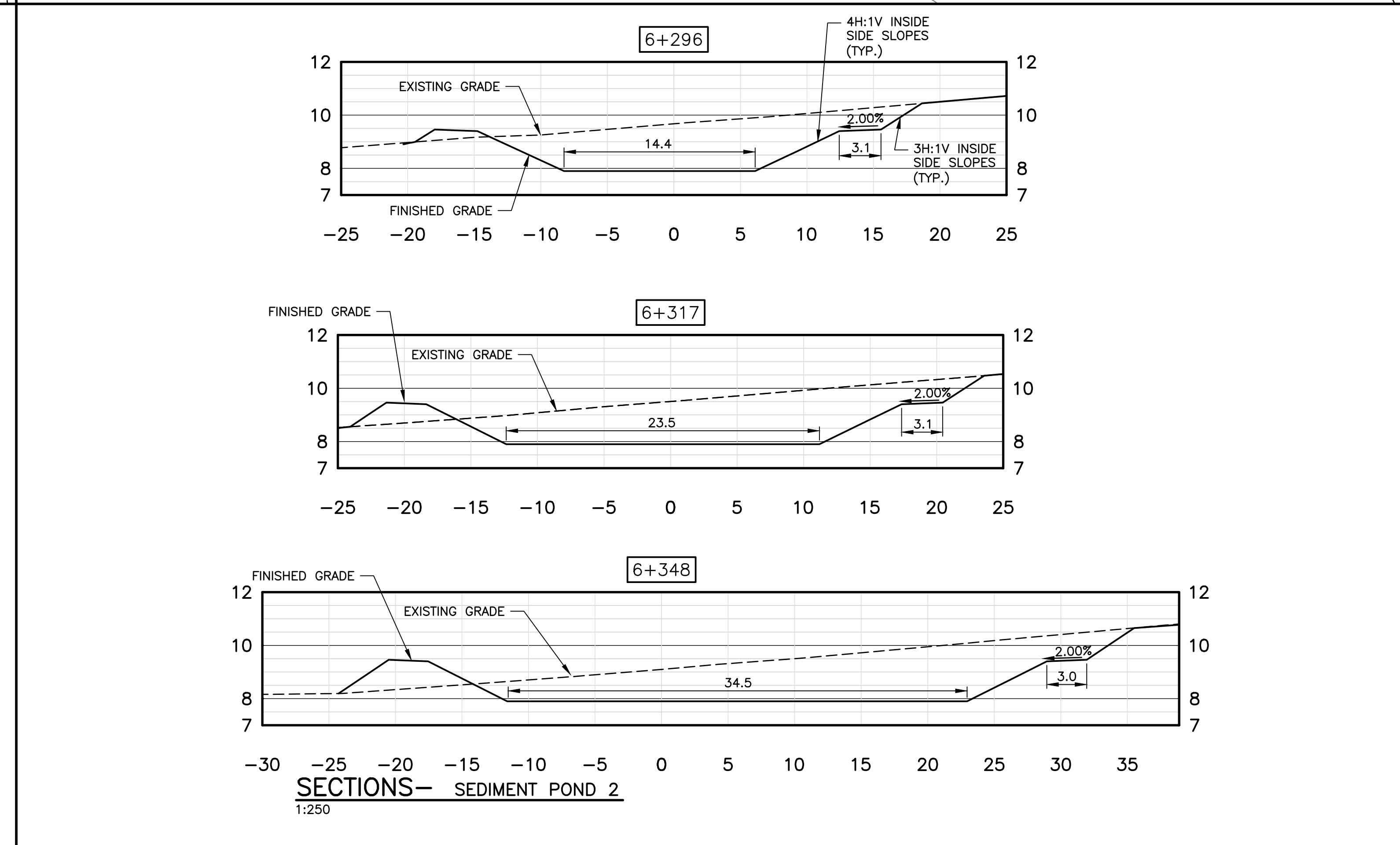
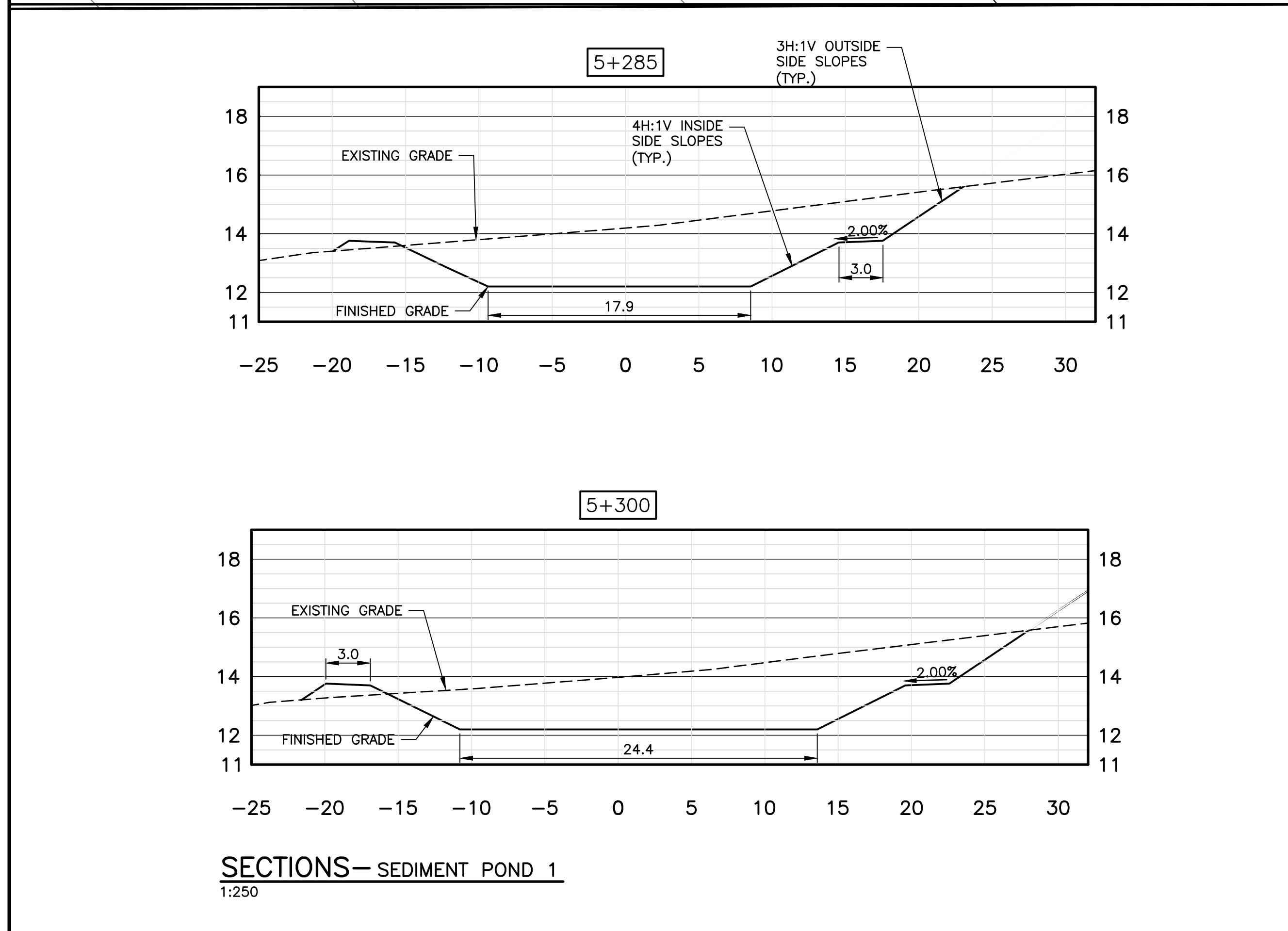
Designed	Drawn
AHG	AHG

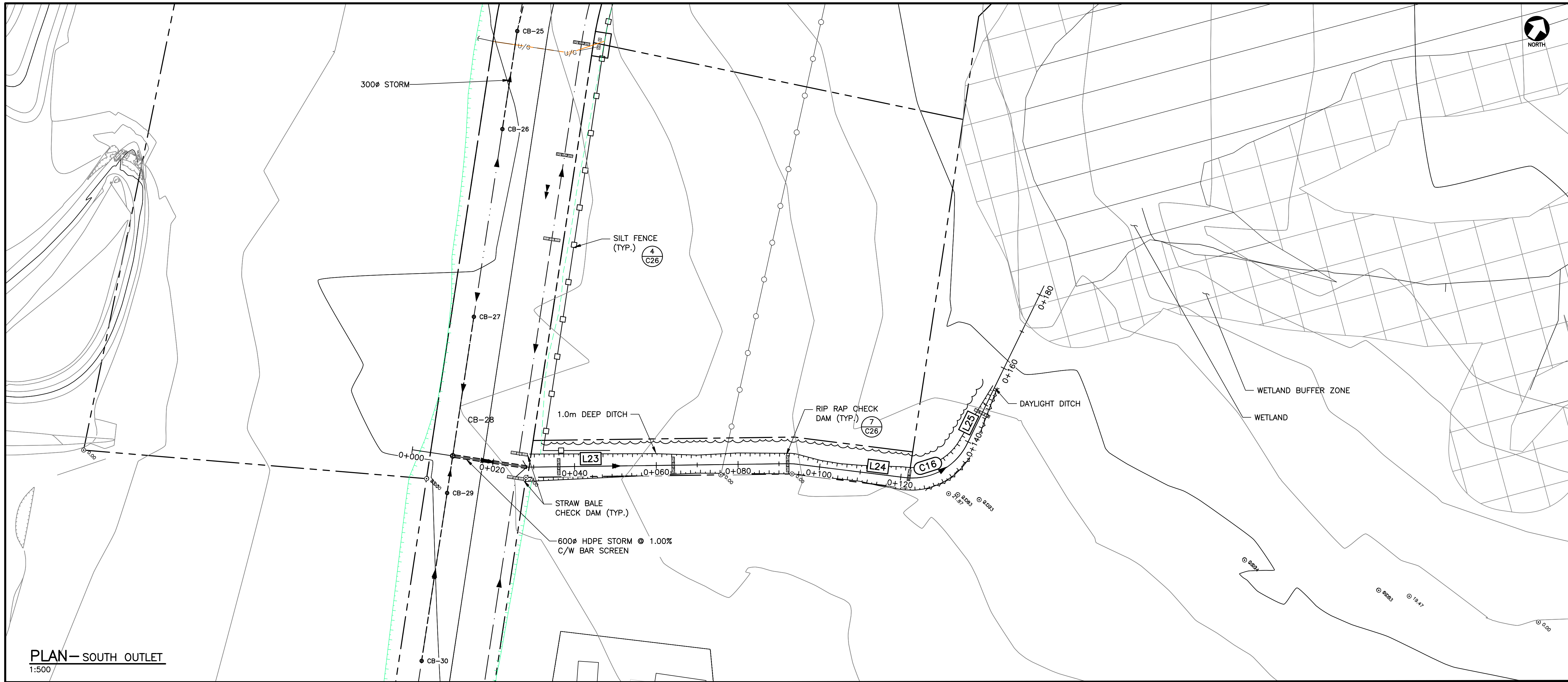
Checked	Approved
PSH	TSL

Sheet No 9 of 29  
Drawing No

**C09**

PROFESSIONAL ENGINEER  
Avery H Gilks  
2494  
DATE: 17.03.23  
PROVINCE OF PRINCE EDWARD ISLAND



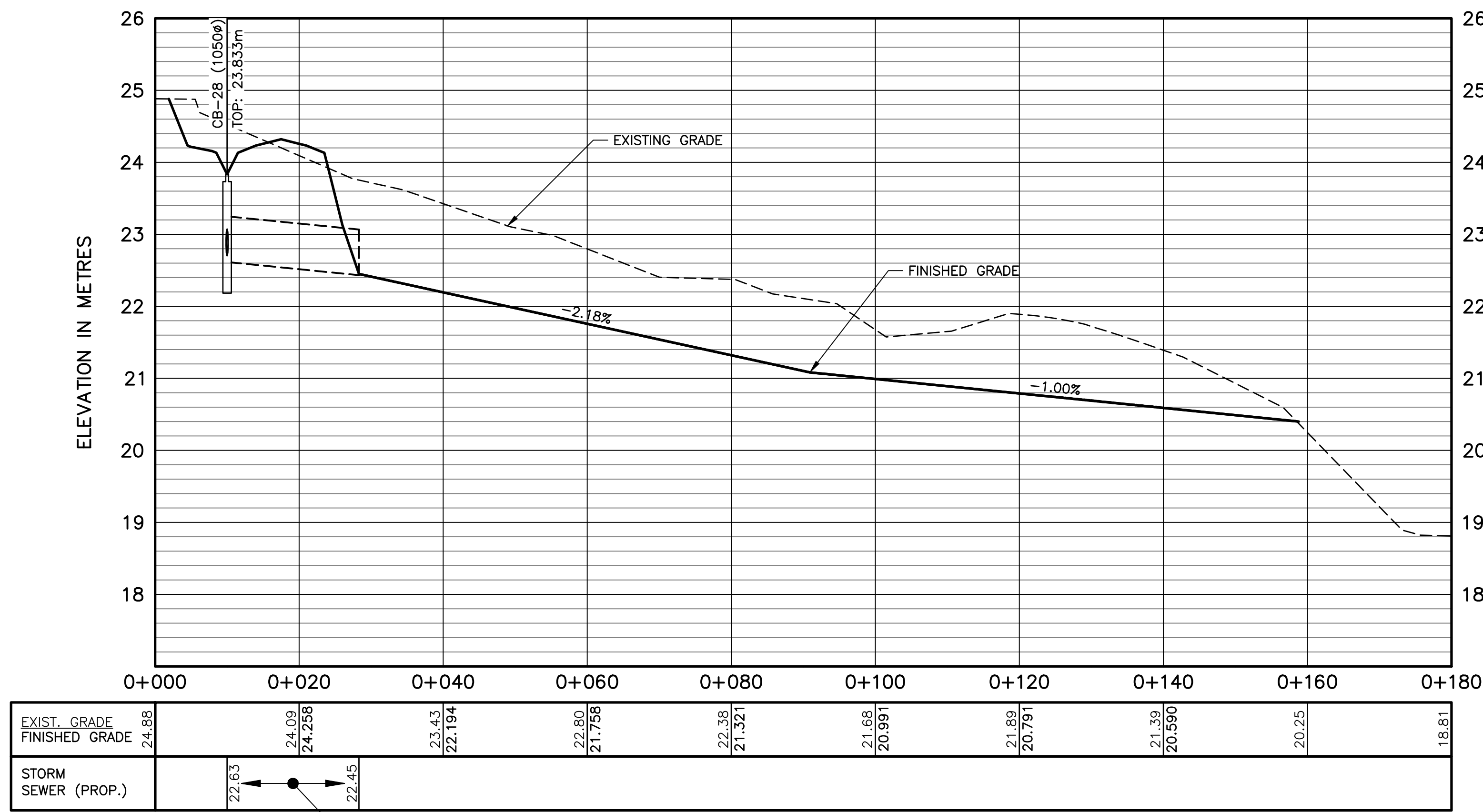


PLAN— SOUTH OUTLET  
1:500

NOTES  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

LEGEND

- SILT FENCE (PR.)
- SEDIMENT CONTROL SOCK (PR.)
- STRAW BALE CHECK DAM (PR.)
- RIP RAP CHECK DAM (PR.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (PR.)
- DITCH (PR.)
- LIMITS OF ROADWAY DISTURBANCE (PR.)



PROFILE— SOUTH OUTLET  
1:500[H] 1:50[V]

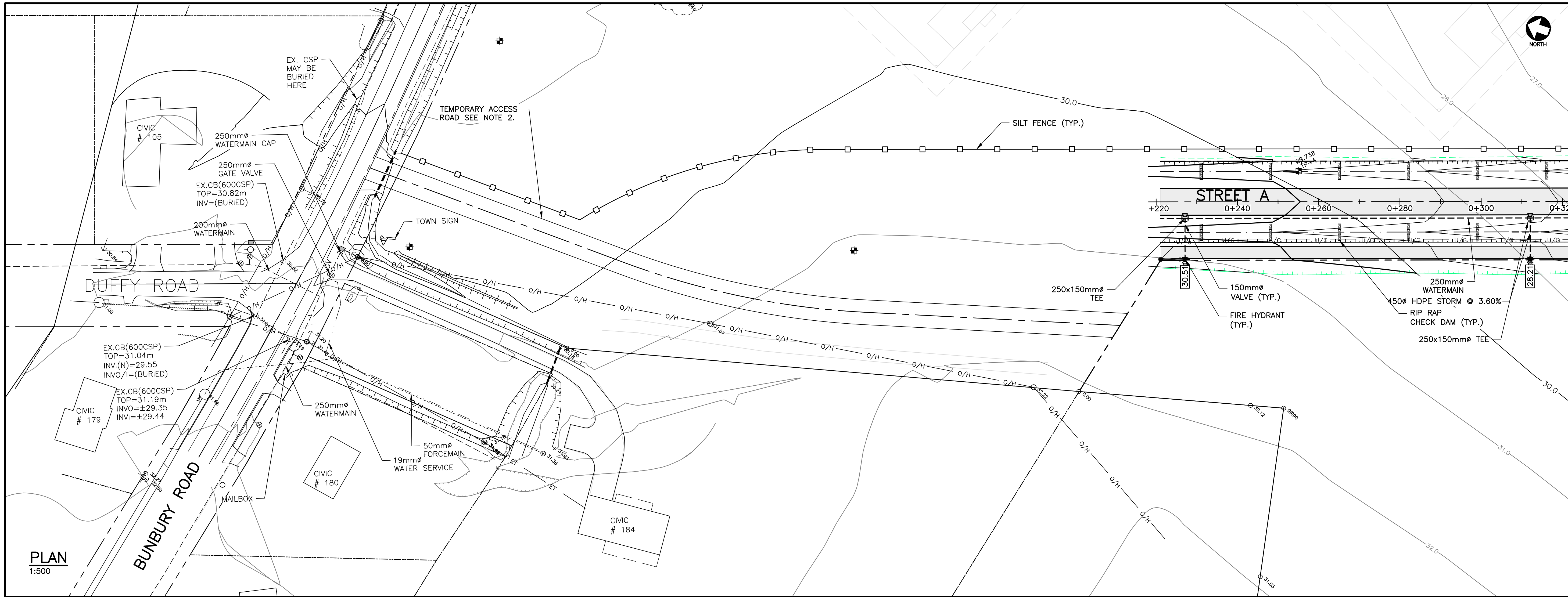
**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

Revision or Issue

TOWN OF STRATFORD  
COMMUNITY CAMPUS  
SITE SERVICING  
CIVIL  
PLAN & PROFILE SOUTH OUTLET

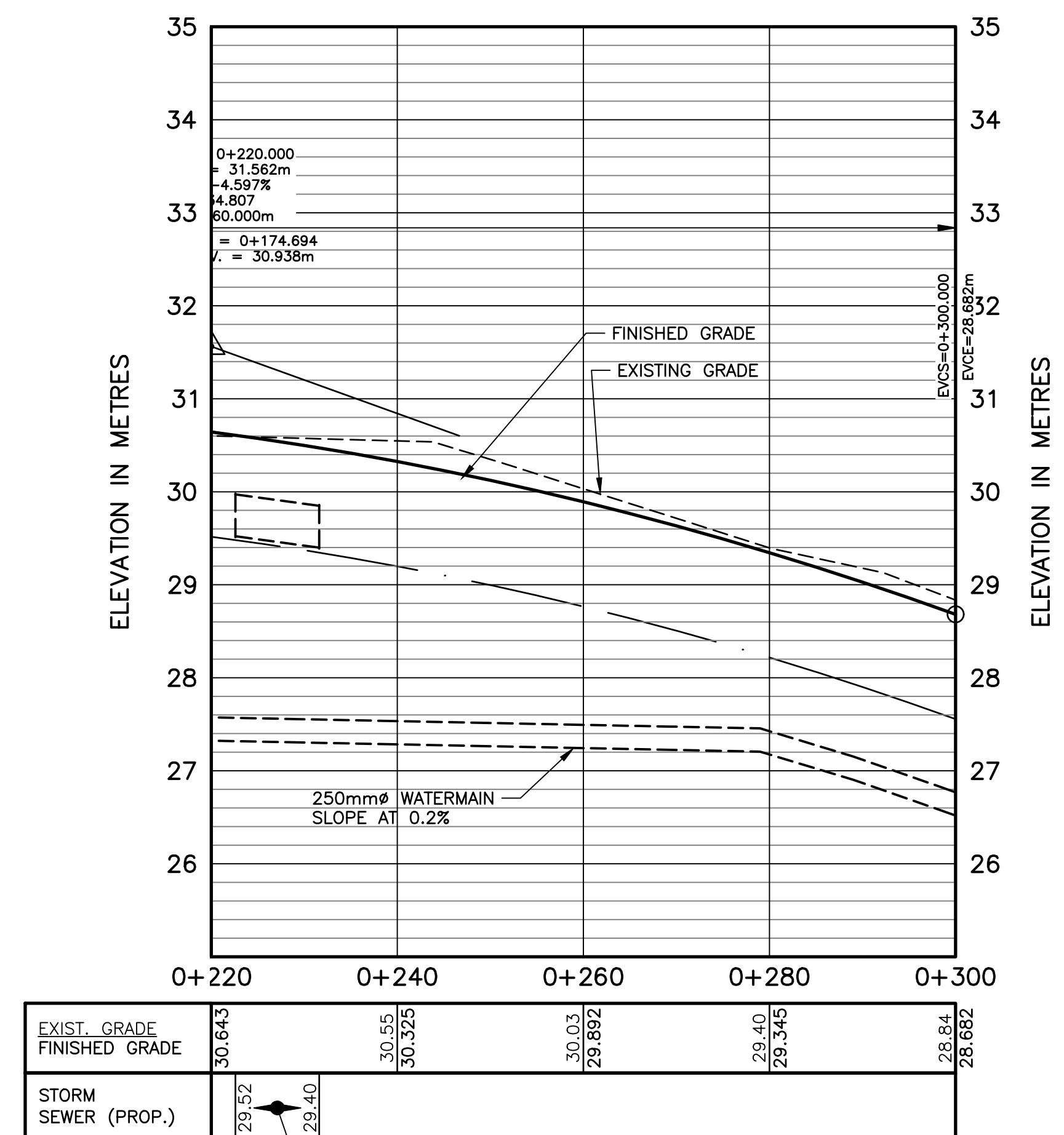
CBCL No 222617.00	Contract No 222617.00	Date MAR, 2023	Scale AS NOTED
Designed AHG	Drawn AHG	Checked PSH	Approved TSL
Sheet No 10 of 29		Drawing No C10	



PLAN  
1:500

- NOTES**
- SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.
  - CONTRACTOR SHALL STRIP TOP SOIL TO NATURAL TILL AND REPLACE WITH SELECT BORROW BACK TO ORIGINAL GRADE AND SUCH THAT POSITIVE DRAINAGE IS PROVIDED.

- LEGEND**
- SILT FENCE (PR.)
  - STRAW BALE CHECK DAM (PR.)
  - RIP RAP CHECK DAM (PR.)
  - WATERMAIN (EX.)
  - WATERMAIN (PR.)
  - GATE VALVE (EX.)
  - GATE VALVE (PR.)
  - AIR RELEASE VALVE (PR.)
  - WATERMAIN FITTINGS (EX.)
  - WATERMAIN FITTINGS (PR.)
  - WATERMAIN BENDS (EX.)
  - WATERMAIN BENDS (PR.)
  - FIRE HYDRANT (EX.)
  - FIRE HYDRANT (PR.)
  - SANITARY SEWER (EX.)
  - SANITARY SEWER (PR.)
  - SANITARY MH (EX.)
  - SANITARY MH (PR.)
  - SANITARY FORCEMAIN (EX.)
  - SANITARY FORCEMAIN (PR.)
  - STORM SEWER (EX.)
  - STORM SEWER (PR.)
  - STORM CATCHBASIN (RND.) (EX.)
  - STORM CATCHBASIN (RND.) (PR.)
  - DITCH (PR.)
  - SWALE (PR.)
  - TOP OF SLOPE (PR.)
  - BOTTOM OF SLOPE (PR.)
  - LIMITS OF ROADWAY DISTURBANCE (PR.)
  - SPOT ELEVATION (PR.)



PROFILE  
1:500 [H] 1:50 [V]

**NOT FOR CONSTRUCTION**

NO. 01  
DATE: MAR 17 2023  
BY: [Signature]

Revision or Issue

TOWN OF STRATFORD

COMMUNITY CAMPUS

SITE SERVICING  
CIVIL

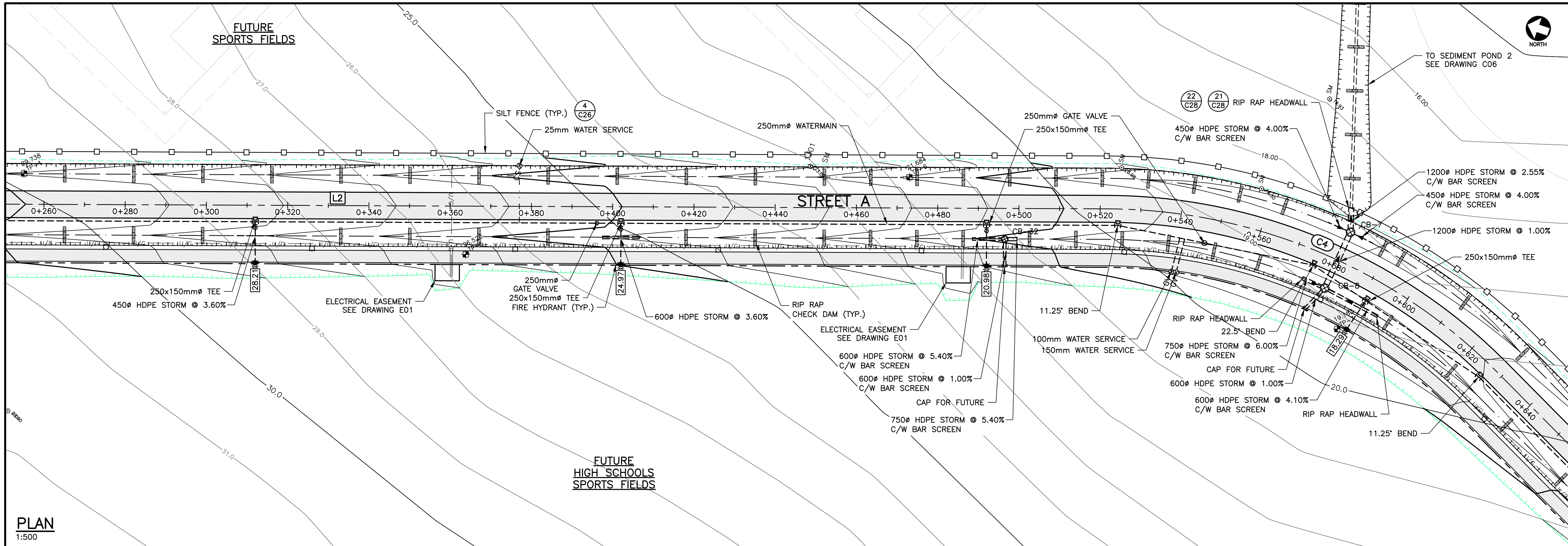
PLAN & PROFILE STREET A

STA 0+220 TO 0+300

**CBCL**

Contract No. 222617.00	Date MAR, 2023	Scale AS NOTED
Designed TSL	Drawn DRC	
Checked PSH	Approved TSL	
Sheet No. 11 of 29	Drawing No.	

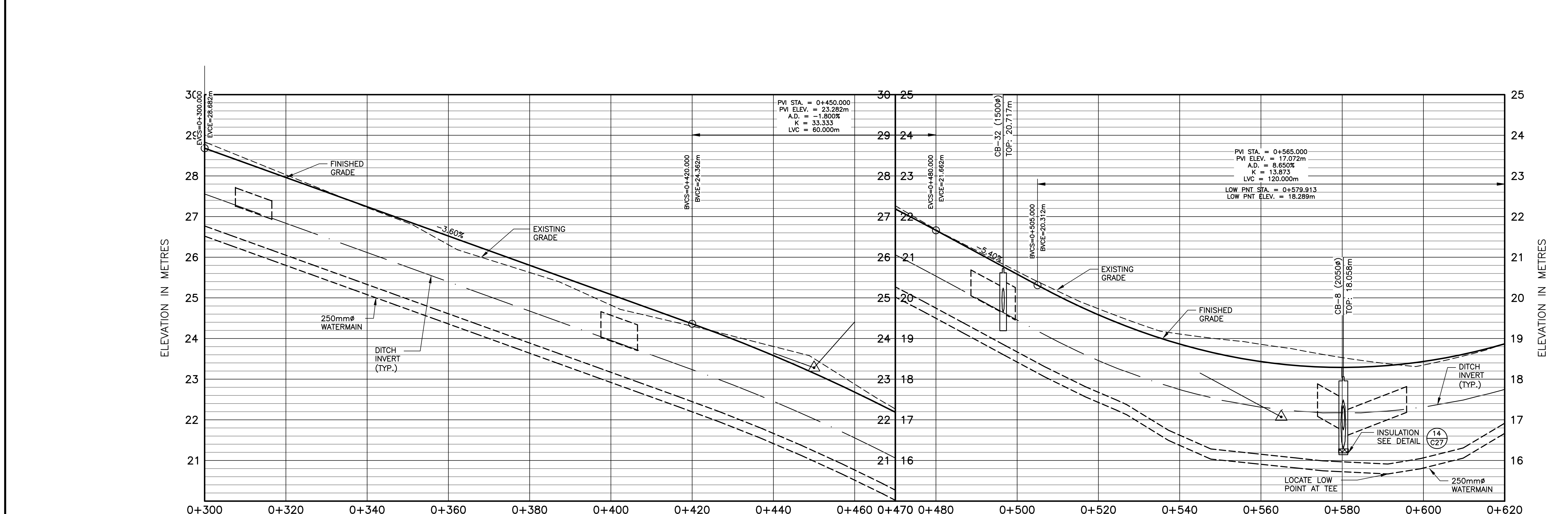
**C11**



**NOTES**  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**LEGEND**

[Symbol]	SILT FENCE (PR.)
[Symbol]	STRAW BALE CHECK DAM (PR.)
[Symbol]	RIP RAP CHECK DAM (PR.)
[Symbol]	WATERMAIN (EX.)
[Symbol]	WATERMAIN (PR.)
[Symbol]	GATE VALVE (EX.)
[Symbol]	GATE VALVE (PR.)
[Symbol]	AIR RELEASE VALVE (PR.)
[Symbol]	WATERMAIN FITTINGS (EX.)
[Symbol]	WATERMAIN FITTINGS (PR.)
[Symbol]	WATERMAIN BENDS (EX.)
[Symbol]	WATERMAIN BENDS (PR.)
[Symbol]	FIRE HYDRANT (EX.)
[Symbol]	FIRE HYDRANT (PR.)
[Symbol]	SANITARY SEWER (EX.)
[Symbol]	SANITARY SEWER (PR.)
[Symbol]	SANITARY MH (EX.)
[Symbol]	SANITARY MH (PR.)
[Symbol]	SANITARY FORCEMAIN (EX.)
[Symbol]	SANITARY FORCEMAIN (PR.)
[Symbol]	STORM SEWER (EX.)
[Symbol]	STORM SEWER (PR.)
[Symbol]	STORM CATCHBASIN (RND.) (EX.)
[Symbol]	STORM CATCHBASIN (RND.) (PR.)
[Symbol]	DITCH (PR.)
[Symbol]	SWALE (PR.)
[Symbol]	TOP OF SLOPE (PR.)
[Symbol]	BOTTOM OF SLOPE (PR.)
[Symbol]	LIMITS OF ROADWAY DISTURBANCE (PR.)
[Symbol]	SPOT ELEVATION (PR.)



**NOT FOR CONSTRUCTION**

NO. Description Date By

Revision or Issue

**Town of Stratford**

**COMMUNITY CAMPUS**

**SITE SERVICING**  
CIVIL

**PLAN & PROFILE STREET A**

STA 0+300 TO 0+620

EXIST. GRADE	28.84	28.03	27.22	26.31	25.63	24.82	24.30	23.80	22.88	21.68	20.65	19.73	19.11	18.66	18.43	18.53	18.35	18.87
FINISHED GRADE	28.68	27.96	27.24	26.52	25.80	25.08	24.36	23.64	22.92	21.72	20.69	19.77	19.15	18.70	18.47	18.57	18.39	18.91
STORM SEWER (PROP.)	27.26	26.94	26.62	26.30	25.98	25.66	25.34	25.02	24.70	24.38	24.06	23.74	23.42	23.10	22.78	22.46	22.14	21.82

8.96m-450 HDPE STM @ 3.60%

9.00m-600 HDPE STM @ 3.60%

7.93m-600 HDPE STM @ 5.40%

3.00m-750 HDPE STM @ 5.40%

6.00m-750 HDPE STM @ 6.00%

14.70m-600 HDPE STM @ 4.10%

**CBCL**

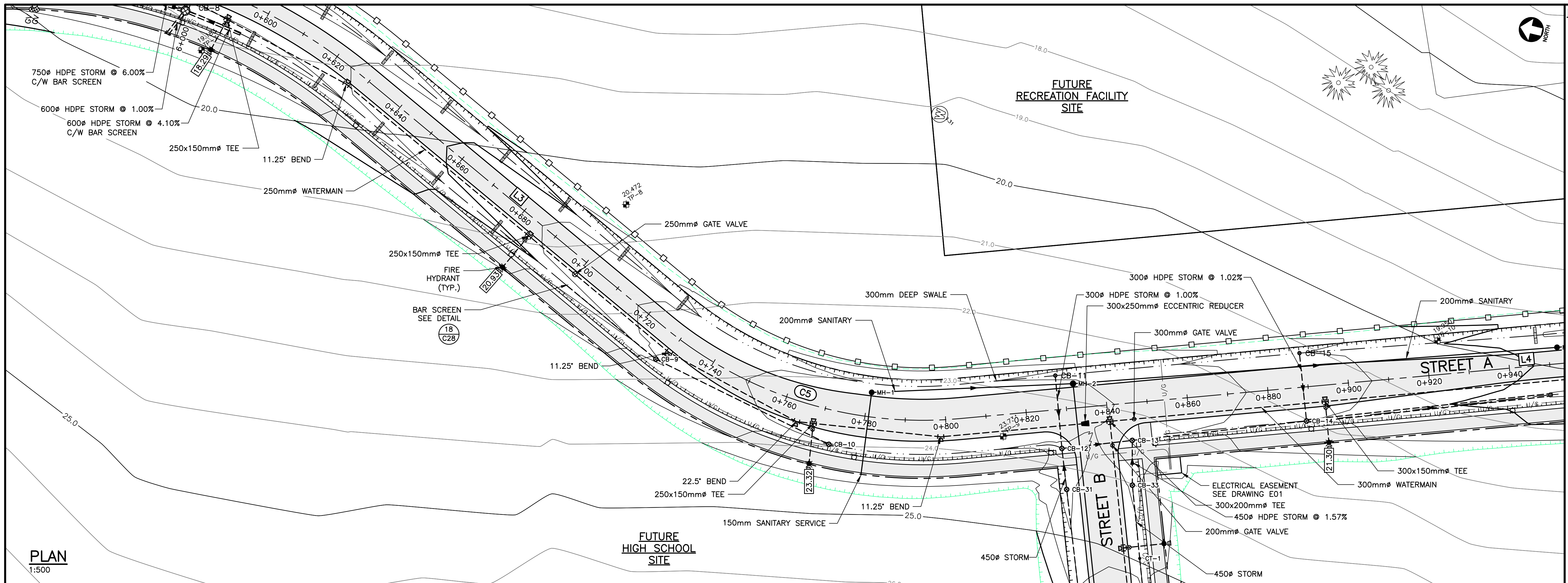
Contract No. 222617.00 Date: MAR, 2023 Scale: AS NOTED

Designed: TSL Drawn: DRC

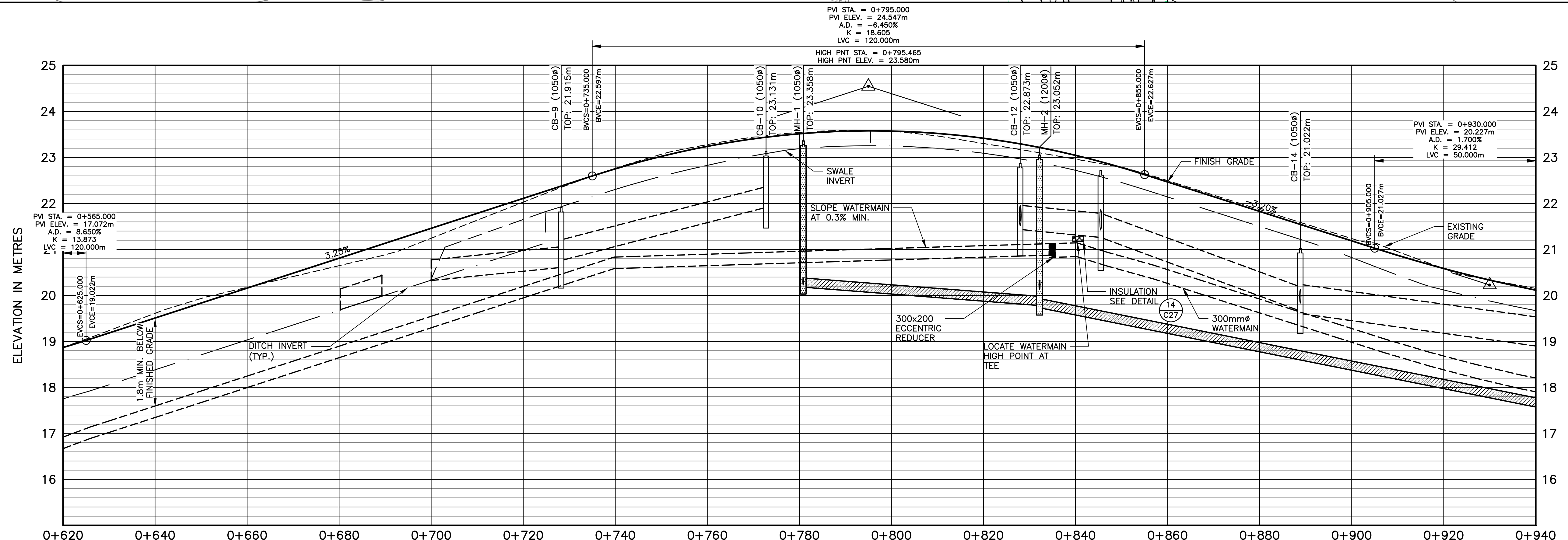
Checked: PSH Approved: TSL

Sheet No. 12 of 29

**C12**



**PLAN**  
1:500



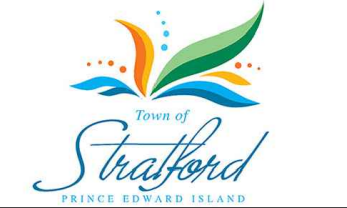
**PROFILE**  
1:500 [H] 1:50 [V]

Station	EXIST. GRADE	FINISHED GRADE	Sanitary Sewer (Prop.)	Storm Sewer (Prop.)
0+620	18.87	18.869		
0+640	19.61	19.510		
0+660	20.18	20.160		
0+680	20.65	20.810		
0+700	21.24	21.460		
0+720	22.03	22.110		
0+740	22.76	22.765		
0+760	23.26	23.242		
0+780	23.54	23.515		
0+800	23.57	23.574		
0+820	23.30	23.418		
0+840	22.96	23.047		
0+860	22.50	22.467		
0+880	21.87	21.827		
0+900	21.24	21.187		
0+920	20.58	20.585		
0+940	20.15	20.115		

**NOTES**  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**NOT FOR CONSTRUCTION**

Revision or Issue



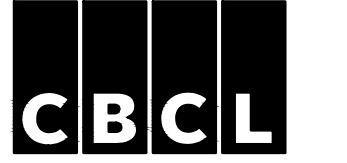
TOWN OF STRATFORD

COMMUNITY CAMPUS

SITE SERVICING  
CIVIL

PLAN & PROFILE STREET A

STA 0+620 TO 0+940



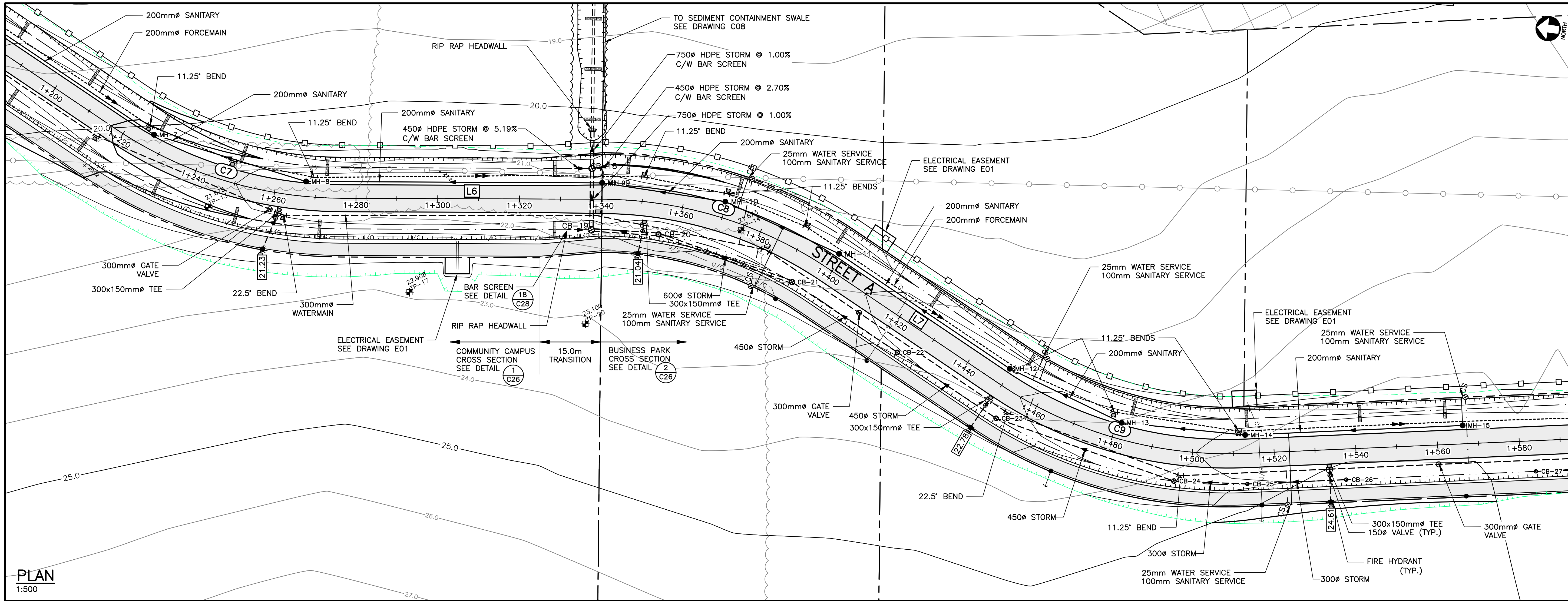
Contract No. 222617.00 Date: MAR. 2023 Scale: AS NOTED

Designed: TSL DRC  
Checked: PSH Approved: TSL

Sheet No. 13 of 29  
Drawing No.

**C13**



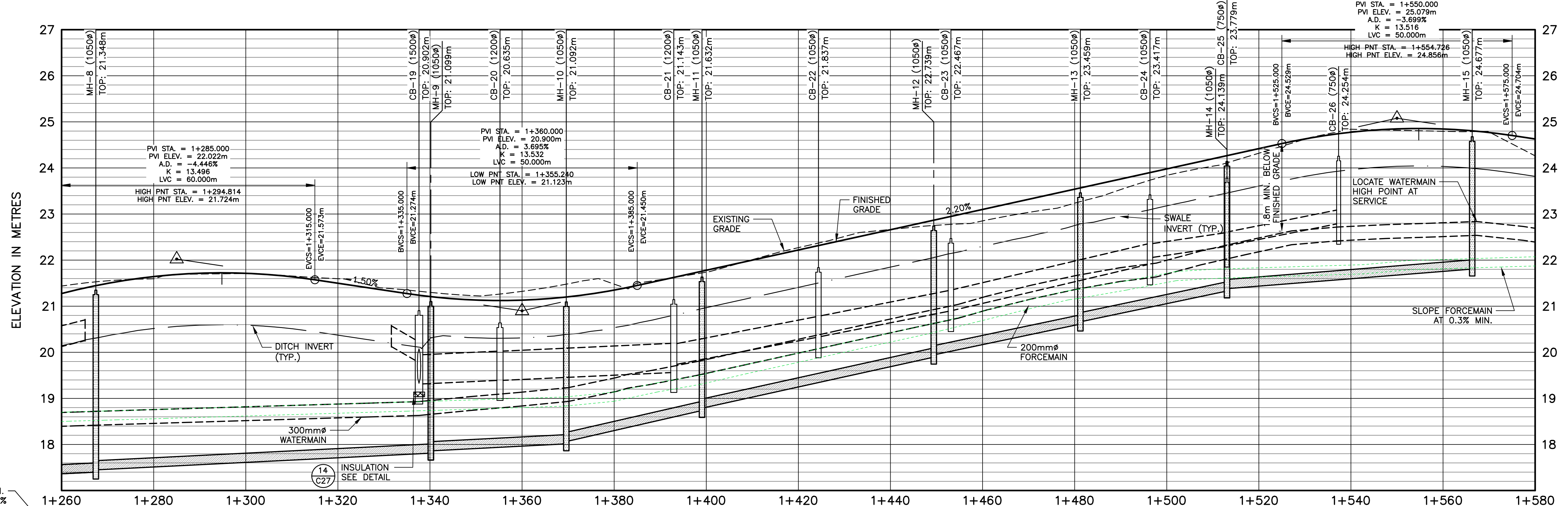


PLAN  
1:500

**NOTES**  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**LEGEND**

[Symbol]	SILT FENCE (PR.)
[Symbol]	STRAW BALE CHECK DAM (PR.)
[Symbol]	RIP RAP CHECK DAM (PR.)
[Symbol]	WATERMAIN (EX.)
[Symbol]	WATERMAIN (PR.)
[Symbol]	GATE VALVE (EX.)
[Symbol]	GATE VALVE (PR.)
[Symbol]	AIR RELEASE VALVE (PR.)
[Symbol]	WATERMAIN FITTINGS (EX.)
[Symbol]	WATERMAIN FITTINGS (PR.)
[Symbol]	WATERMAIN BENDS (EX.)
[Symbol]	WATERMAIN BENDS (PR.)
[Symbol]	FIRE HYDRANT (EX.)
[Symbol]	FIRE HYDRANT (PR.)
[Symbol]	SANITARY SEWER (EX.)
[Symbol]	SANITARY SEWER (PR.)
[Symbol]	SANITARY MH (EX.)
[Symbol]	SANITARY MH (PR.)
[Symbol]	SANITARY FORCEMAIN (EX.)
[Symbol]	SANITARY FORCEMAIN (PR.)
[Symbol]	STORM SEWER (EX.)
[Symbol]	STORM SEWER (PR.)
[Symbol]	STORM CATCHBASIN (RND.) (EX.)
[Symbol]	STORM CATCHBASIN (RND.) (PR.)
[Symbol]	DITCH (PR.)
[Symbol]	SWALE (PR.)
[Symbol]	TOP OF SLOPE (PR.)
[Symbol]	BOTTOM OF SLOPE (PR.)
[Symbol]	LIMITS OF ROADWAY DISTURBANCE (PR.)
[Symbol]	SPOT ELEVATION (PR.)



**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

Revision or Issue

TOWN OF STRATFORD  
COMMUNITY CAMPUS  
SITE SERVICING  
CIVIL  
PLAN & PROFILE STREET A  
STA 1+260 TO 1+580

**CBCL**

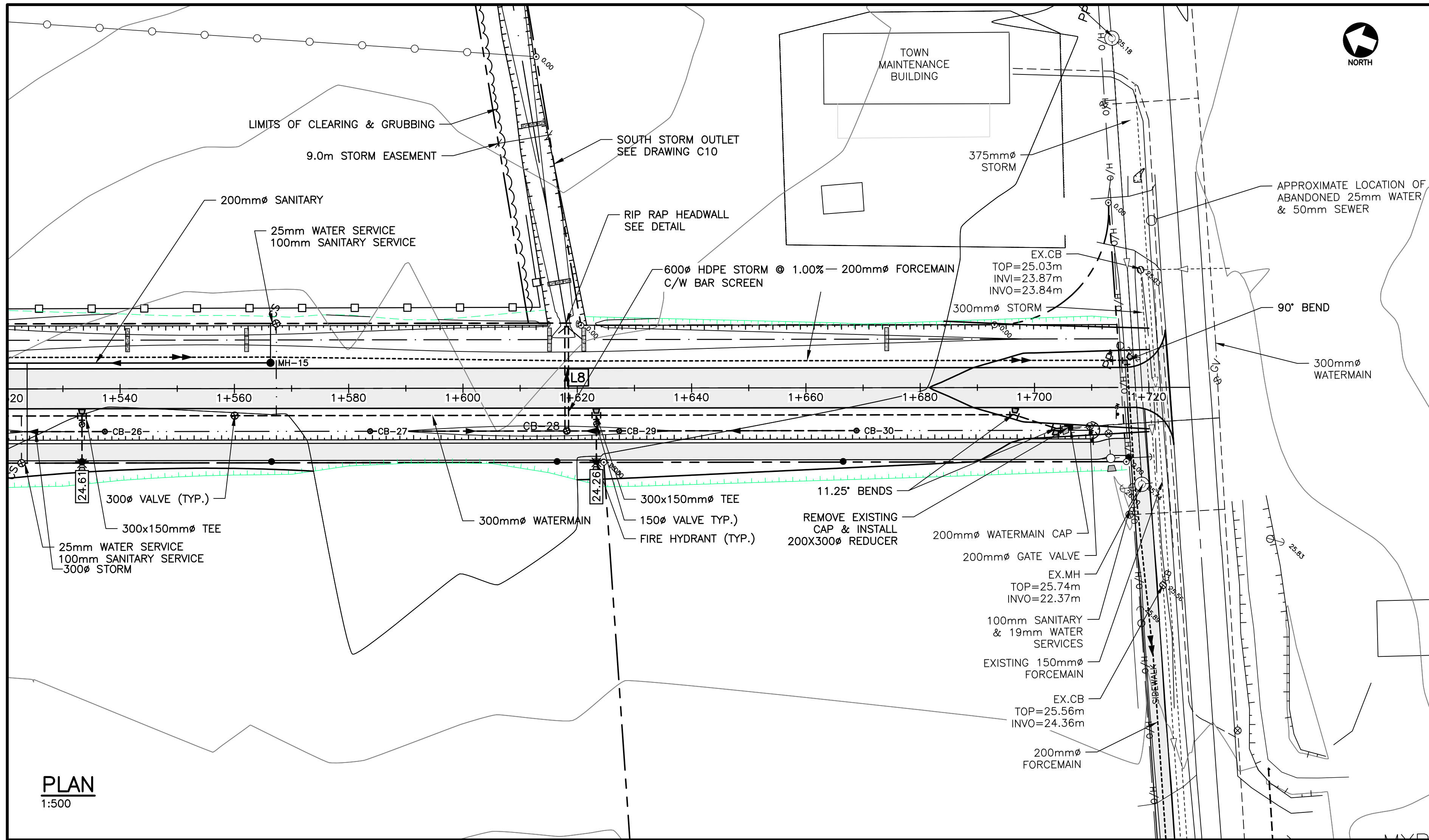
CBCL No. 222617.00	Contract No. 222617.00	Date MAR, 2023	Scale AS NOTED
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Designed TSL	Drawn DRC
Checked PSH	Approved TSL

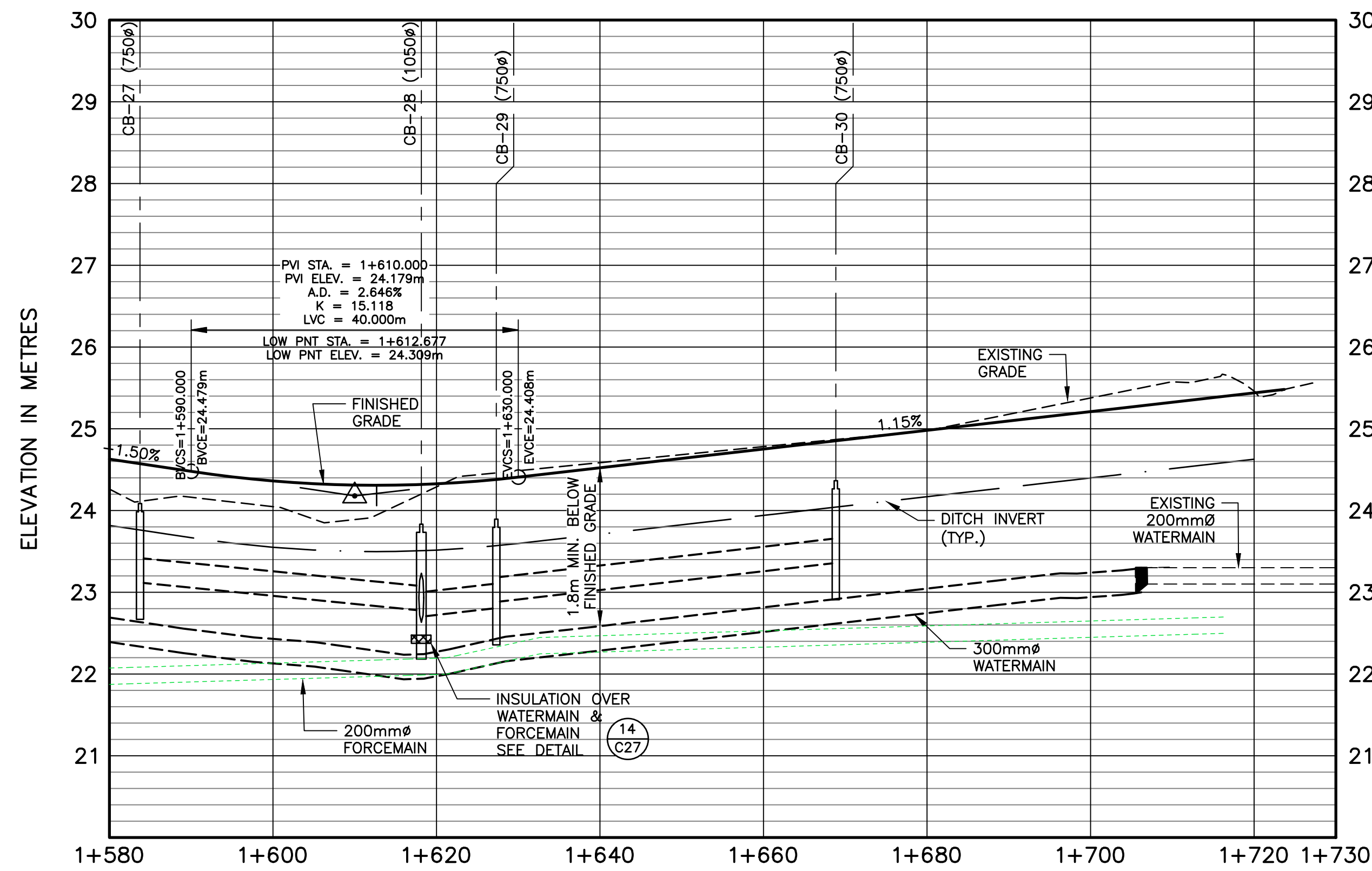
Sheet No. 15 of 29  
Drawing No. C15

PROFILE  
1:500 [H] 1:50 [V]





PLAN  
1:500



EXIST. GRADE	FINISHED GRADE	STATION	ELEVATION (m)
24.26	24.29	1+580	24.26
24.05	24.362	1+600	24.05
24.29	24.327	1+620	24.29
24.59	24.523	1+640	24.59
24.78	24.752	1+660	24.78
24.98	24.981	1+680	24.98
25.38	25.210	1+700	25.38
25.46	25.439	1+720	25.46
25.46	25.439	1+730	25.46

PROFILE  
1:500 [H] 1:50 [V]

SEDIMENT POND 1			
LINE/CURVE No.	STATION	COORDINATES	LINE/CURVE DATA
L10	5+000.000	N=686970.684 E=394242.126	BEARING=S18°03'05.34"E LENGTH=238.243m
C10	BC=5+238.243 EC=5+249.330	N=686744.168 E=394315.950 N=686733.219 E=394316.975	I=25°24'37.48" R=25.000m T=5.350m L=11.087m
L11	5+278.838	N=686703.843 E=394314.384	BEARING=S4°30'25.84"W LENGTH=30.385m
C11	BC=5+309.222 EC=5+325.562	N=686673.552 E=394311.996 N=686657.634 E=394314.810	I=29°03'56.26" R=32.210m T=8.350m L=16.340m
L12	5+325.562	N=686657.634 E=394314.810	BEARING=S24°33'30.42"E LENGTH=34.438m
SEDIMENT POND 2			
LINE/CURVE No.	STATION	COORDINATES	LINE/CURVE DATA
L13	6+021.940	N=686539.771 E=394186.651	BEARING=N72°50'35.10"E LENGTH=90.539m
C12	BC=6+112.479 EC=6+174.393	N=686566.480 E=394273.162 N=686557.795 E=394332.420	I=50°59'24.58" R=69.570m T=33.176m L=61.914m
L14	6+227.308	N=686517.810 E=394366.004	BEARING=S14°12'57.48"E LENGTH=46.387m
L15	6+286.023	N=686460.741 E=394379.710	BEARING=S11°15'34.02"E LENGTH=38.484m
L16	6+324.508	N=686423.078 E=394387.619	BEARING=S24°06'26.75"E LENGTH=31.056m
L17	6+384.890	N=686367.962 E=394412.282	BEARING=S60°12'15.60"E LENGTH=38.940m
SEDIMENT POND 3			
LINE/CURVE No.	STATION	COORDINATES	LINE/CURVE DATA
L18	7+021.940	N=686034.237 E=394220.648	BEARING=N82°15'18.30"E LENGTH=117.397m
C2	BC=7+139.337 EC=7+147.622	N=686050.058 E=394336.972 N=686046.029 E=394343.466	I=79°06'53.05" R=6.000m T=4.956m L=6.285m
L19	7+147.622	N=686046.029 E=394343.466	BEARING=S18°37'48.64"E LENGTH=27.040m
C13	BC=7+174.662 EC=7+184.088	N=686020.406 E=394352.104 N=686016.638 E=394359.707	I=90°00'22.90" R=6.000m T=6.001m L=9.425m
L20	7+184.088	N=686016.638 E=394359.707	BEARING=N71°21'48.45"E LENGTH=55.912m
SEDIMENT CONTAINMENT SWALE			
LINE/CURVE No.	STATION	COORDINATES	LINE/CURVE DATA
L21	8+000.000	N=685815.567 E=394198.974	BEARING=N71°44'17.44"E LENGTH=129.090m
C14	BC=8+129.090 EC=8+143.087	N=685856.019 E=394321.562 N=685863.292 E=394333.372	I=26°43'57.22" R=30.000m T=7.128m L=13.997m
C15	BC=8+145.503 EC=8+159.500	N=685865.001 E=394335.081 N=685872.275 E=394346.891	I=26°43'58.69" R=30.000m T=7.128m L=13.997m
L22	8+159.500	N=685872.275 E=394346.891	BEARING=N71°44'17.02"E LENGTH=90.500m

STREET A			
LINE/CURVE No.	STATION	COORDINATES	LINE/CURVE DATA
L2	0+142.814	N=686957.365 E=394051.680	BEARING=S18°37'48.64"E LENGTH=378.994m
C4	BC=0+521.808 EC=0+628.622	N=686598.231 E=394172.752 N=686494.378 E=394165.727	I=45°00'00.00" R=136.000m T=56.333m L=106.814m
L3	0+628.622	N=686494.378 E=394165.727	BEARING=S26°22'11.36"W LENGTH=96.281m
C5	BC=0+724.903 EC=0+803.443	N=686408.116 E=394122.963 N=686331.754 E=394117.797	I=45°00'00.00" R=100.000m T=41.421m L=78.940m
L4	0+803.443	N=686331.754 E=394117.797	BEARING=S18°37'48.64"E LENGTH=281.914m
C6	BC=1+085.357 EC=1+144.262	N=686064.612 E=394207.857 N=686006.582 E=394209.635	I=33°45'00.00" R=100.000m T=30.335m L=58.905m
L5	1+144.262	N=686006.582 E=394209.635	BEARING=S15°07'11.36"W LENGTH=63.387m
C7	BC=1+217.648 EC=1+276.553	N=685925.736 E=394190.493 N=685877.706 E=394192.271	I=33°45'00.00" R=100.000m T=30.335m L=58.905m
L6	1+276.553	N=685877.706 E=394192.271	BEARING=S18°37'48.64"E LENGTH=63.611m
C8	BC=1+340.164 EC=1+399.069	N=685817.429 E=394212.592 N=685759.399 E=394214.371	I=33°45'00.00" R=100.000m T=30.335m L=58.905m
L7	1+399.069	N=685759.399 E=394214.371	BEARING=S15°07'11.36"W LENGTH=50.336m
C9	BC=1+449.405 EC=1+513.081	N=685710.806 E=394201.241 N=685648.293 E=394204.651	I=33°29'01.39" R=100.000m T=32.959m L=63.676m
L8	1+513.081	N=685648.293 E=394204.651	BEARING=S21°21'50.04"E LENGTH=214.084m

STREET B			
LINE/CURVE No.	STATION	COORDINATES	LINE/CURVE DATA
L9	2+000.000	N=686300.621 E=394128.293	BEARING=S70°34'55.12"W LENGTH=223.081m

NOTES  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

LEGEND

- SILT FENCE (PR.)
- STRAW BALE CHECK DAM (PR.)
- RIP RAP CHECK DAM (PR.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- AIR RELEASE VALVE (PR.)
- WATERMAIN FITTINGS (EX.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (EX.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM CATCHBASIN (RND.) (EX.)
- STORM CATCHBASIN (RND.) (PR.)
- DITCH (PR.)
- SWALE (PR.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (PR.)
- LIMITS OF ROADWAY DISTURBANCE (PR.)
- SPOT ELEVATION (PR.)

**NOT FOR CONSTRUCTION**

ISSUED FOR APPROVAL & TENDER MAR 17/23

No.	Description	Date	By

Revision or Issue

TOWN OF STRATFORD  
COMMUNITY CAMPUS  
SITE SERVICING  
CIVIL  
PLAN & PROFILE STREET A  
STA 1+580 TO 1+730

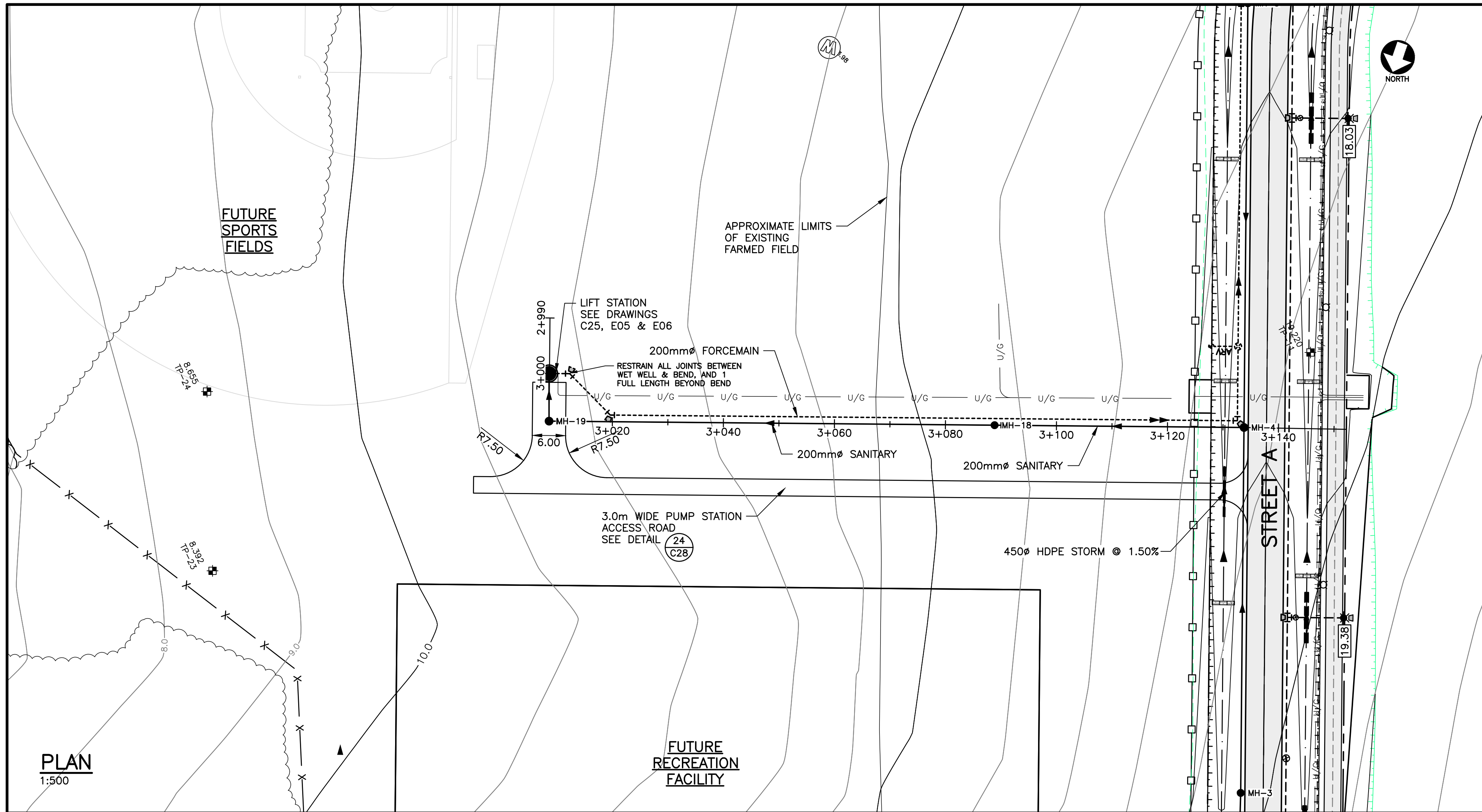
CBCL No.	Contract No.	Date	Scale
222617.00	222617.00	MAR, 2023	AS NOTED

Designed	Drawn
TSL	DRC

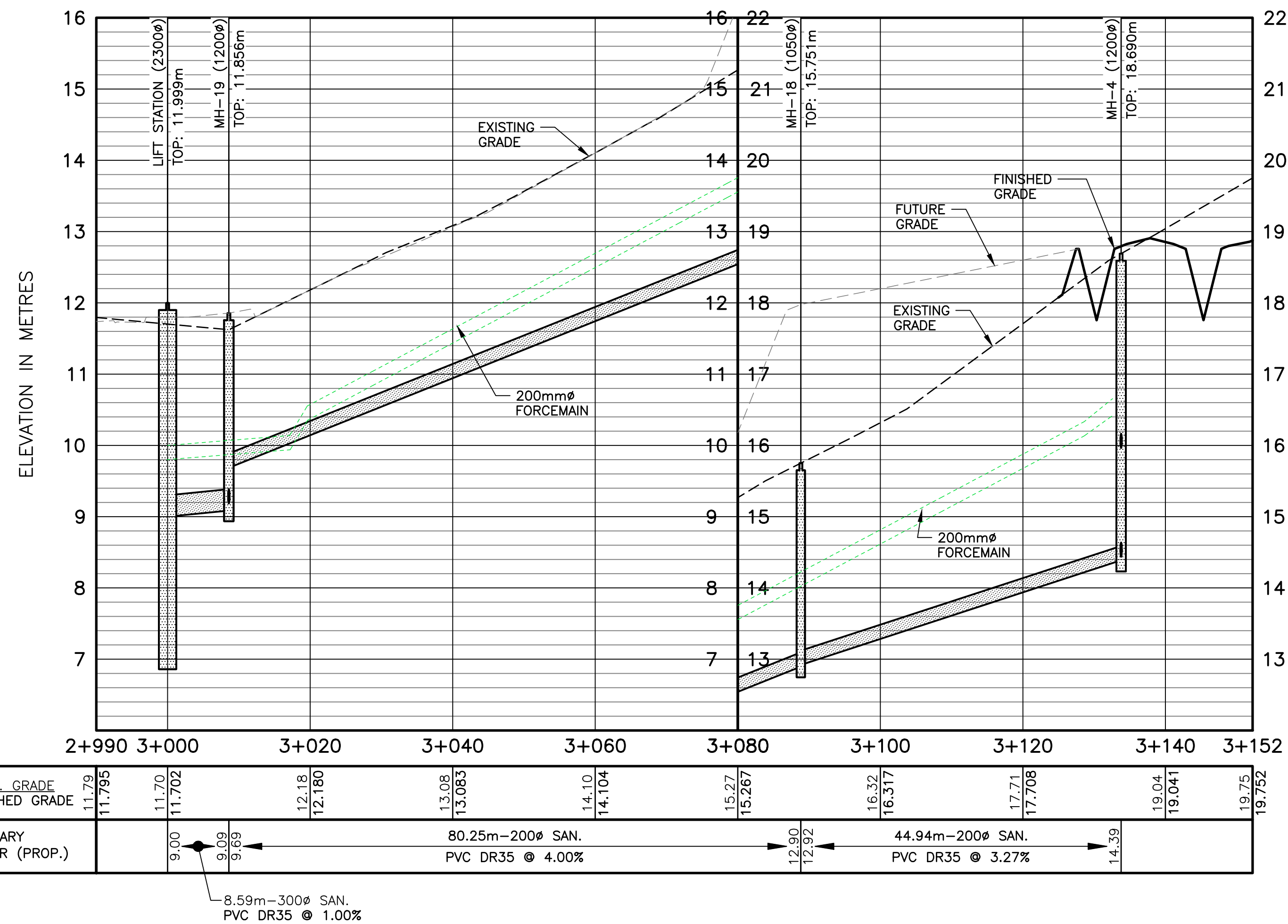
Checked	Approved
PSH	TSL

Sheet No. 16 of 29  
Drawing No. C16





PLAN  
1:500



PROFILE  
1:500 [H] 1:50 [V]

SANITARY								
DESIGNATION	DIAMETER	NORTHING	EASTING	TOP	INV. IN	FROM	INV. OUT	TO
LIFT STATION	2400mm	686161.580	394311.651	11.999	9.000m (300#)	MH-19		
MH-1	1050mm	686354.388	394119.069	23.358	20.230m (150#)	SCHOOL	20.180m (200#)	MH-2
MH-2	1200mm	686306.454	394132.711	23.052	20.131m (200#)	MH-16	19.731m (200#)	MH-3
MH-3	1050mm	686192.106	394169.160	19.784	17.331m (200#)	MH-2	17.281m (200#)	MH-4
MH-4	1200mm	686129.703	394190.198	18.690	15.964m (200#)	MH-3	14.388m (200#)	MH-18
MH-5	1050mm	686057.255	394214.622	17.636	14.870m (200#)	MH-6	14.820m (200#)	MH-4
MH-6	1050mm	686014.340	394215.937	17.577	15.146m (200#)	MH-7	15.085m (200#)	MH-5
MH-7	1050mm	685926.211	394192.125	20.208	17.204m (200#)	MH-8	17.154m (200#)	MH-6
MH-8	1050mm	685887.314	394193.317	21.348	17.449m (200#)	MH-9	17.399m (200#)	MH-7
MH-9	1050mm	685818.683	394216.391	21.099	17.861m (200#)	MH-10	17.811m (200#)	MH-8
MH-10	1050mm	685788.684	394221.783	21.092	18.063m (200#)	MH-11	18.013m (200#)	MH-9
MH-11	1050mm	685758.225	394218.715	21.632	18.787m (200#)	MH-12	18.737m (200#)	MH-10
MH-12	1050mm	685709.632	394205.585	22.739	19.944m (200#)	MH-13	19.894m (200#)	MH-11
MH-13	1050mm	685679.493	394201.922	23.459	20.662m (200#)	MH-14	20.612m (200#)	MH-12
MH-14	1050mm	685649.932	394208.842	24.139	21.380m (200#)	MH-15	21.330m (200#)	MH-13
MH-15	1050mm	685600.340	394228.240	24.677			21.806m (200#)	MH-14
MH-16	1200mm	686270.447	394030.483	27.515	25.319m (200#)	MH-17	24.466m (200#)	MH-2
MH-17	1050mm	686230.552	393917.308	33.154	30.169m (200#)		30.119m (200#)	MH-16
MH-18	1050mm	686144.059	394232.783	15.751	12.920m (200#)	MH-4	12.896m (200#)	MH-19
MH-19	1200mm	686169.697	394308.829	11.856	9.666m (200#)	MH-100	9.086m (300#)	LIFT STATION

STORM								
DESIGNATION	DIAMETER	NORTHING	EASTING	TOP	INV. IN	FROM	INV. OUT	TO
CB-7	2050mm	686539.771	394186.651	18.063	16.141m (1200#)	CB-8	16.141m (1200#)	
CB-8	2050mm	686541.355	394171.590	18.058	16.750m (750#)	SCHOOL-2	16.292m (1200#)	CB-7
CB-9	1050mm	686408.209	394114.715	21.915	20.759m (450#)	CB-10	20.609m (450#)	CB-9
CB-10	1050mm	686361.723	394104.117	23.131			21.914m (450#)	CB-9
CB-11	750mm	686311.188	394133.648	22.796			21.796m (300#)	CB-12
CB-12	1050mm	686305.413	394116.470	22.873	21.615m (300#)	CB-11	21.435m (525#)	CB-13
CB-13	1050mm	686288.954	394122.441	22.715	21.260m (525#)	CB-12	21.260m (525#)	CB-14
CB-14	1050mm	686248.134	394137.087	21.022	19.661m (525#)	CB-13	19.623m (600#)	
CB-15	750mm	686253.738	394153.026	21.055	19.831m (300#)	CB-15		CB-14
CB-16	2050mm	686034.016	394205.527	17.273	15.923m (750#)		15.623m (1050#)	CB-17
CB-17	2050mm	686034.237	394220.646	17.310	15.470m (1050#)	CB-16	15.470m (1050#)	
CB-18	1500mm	685822.151	394218.927	20.968	19.177m (750#)	CB-19	19.177m (750#)	
CB-19	1500mm	685817.447	394204.672	20.902	19.327m (600#)	CB-20	19.327m (750#)	CB-18
CB-20	1200mm	685801.564	394208.924	20.635	19.406m (600#)	CB-21	19.409m (600#)	CB-19
CB-21	1200mm	685766.869	394208.440	21.143	19.726m (450#)	CB-22	19.579m (600#)	CB-20
CB-22	1050mm	685736.951	394200.489	21.837	20.331m (450#)	CB-23	20.331m (450#)	CB-21
CB-23	1050mm	685708.882	394193.029	22.467	20.899m (450#)	CB-24	20.899m (450#)	CB-22
CB-24	1050mm	685662.773	394192.544	23.417	22.051m (300#)	CB-25	21.914m (450#)	CB-23
CB-25	750mm	685645.561	394197.666	23.779	22.309m (300#)	CB-26	22.299m (300#)	CB-24
CB-26	750mm	685622.986	394206.496	24.254			22.794m (300#)	CB-25
CB-27	750mm	685579.758	394223.406	24.085			23.118m (300#)	CB-28
CB-28	1050mm	685547.711	394235.941	23.833	22.701m (300#)	CB-29	22.633m (600#)	CB-27
CB-29	750mm	685539.174	394239.282	23.894	22.881m (300#)	CB-30	22.806m (300#)	CB-28
CB-30	750mm	685500.502	394254.408	24.366			23.359m (300#)	CB-29
CB-31	1050mm	686301.917	394106.888	22.696	21.612m (450#)		21.612m (450#)	CB-12
CB-32	1500mm	686619.754	394157.518	20.717	19.642m (600#)	SCHOOL-1	19.642m (750#)	
CB-33	1050mm	686286.358	394111.668	22.800	21.595m (450#)	CT-1	21.595m (450#)	CB-13
CT-1	450mm	686280.393	394094.460	23.518	22.758m (450#)		22.758m (450#)	CB-33

NOTES  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

LEGEND

- SILT FENCE (PR.)
- STRAW BALE CHECK DAM (PR.)
- RIP RAP CHECK DAM (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- AIR RELEASE VALVE (PR.)
- WATERMAIN FITTINGS (EX.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (EX.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM CATCHBASIN (RND.) (EX.)
- STORM CATCHBASIN (RND.) (PR.)
- DITCH (PR.)
- SWALE (PR.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (PR.)
- LIMITS OF ROADWAY DISTURBANCE (PR.)
- SPOT ELEVATION (PR.)

**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

Revision or Issue



TOWN OF STRATFORD

COMMUNITY CAMPUS

SITE SERVICING

CIVIL

PLAN & PROFILE LIFT  
STATION SEWER

STA 3+000 TO 3+240



CBCL No	Contract No	Date	Scale
222617.00	222617.00	MAR, 2023	AS NOTED

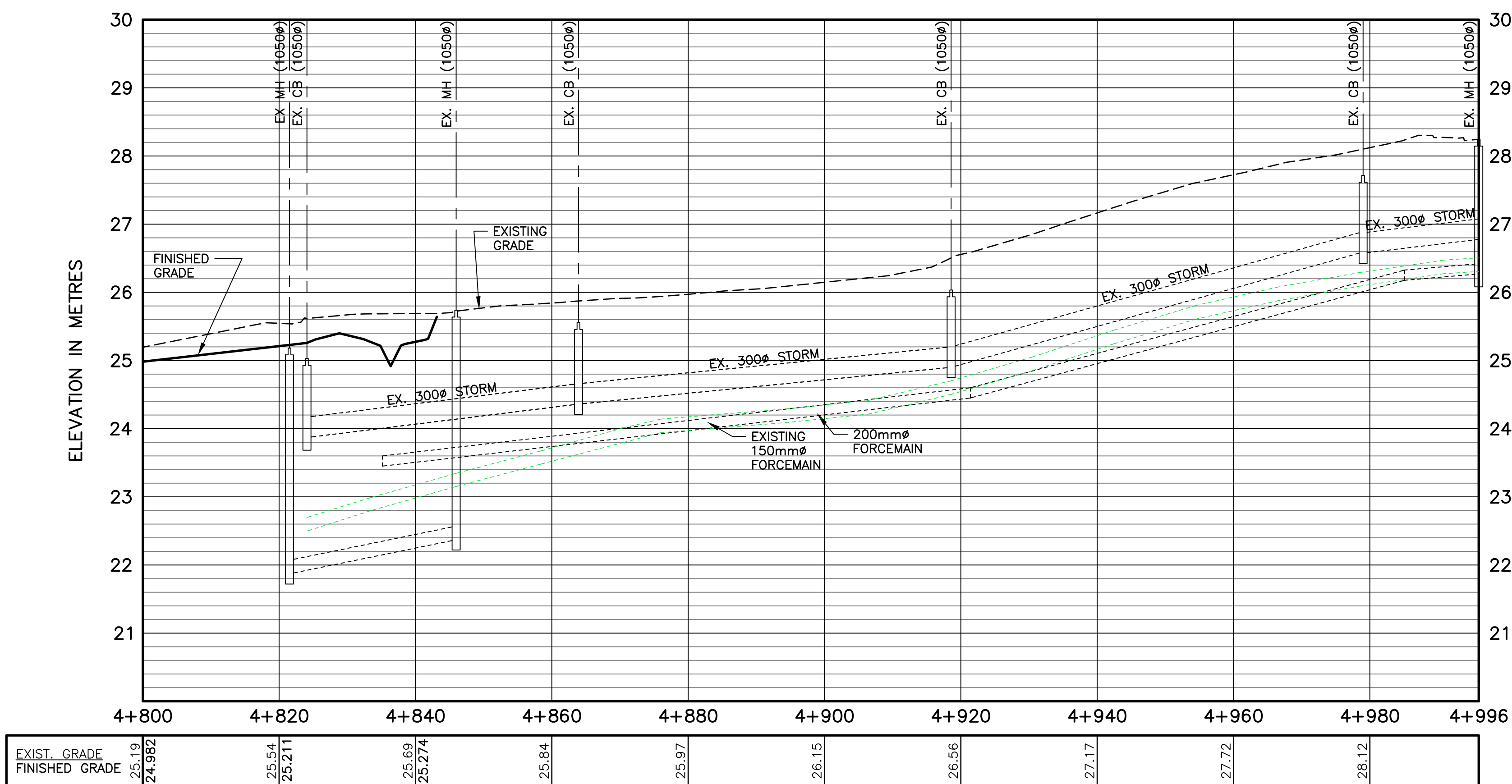
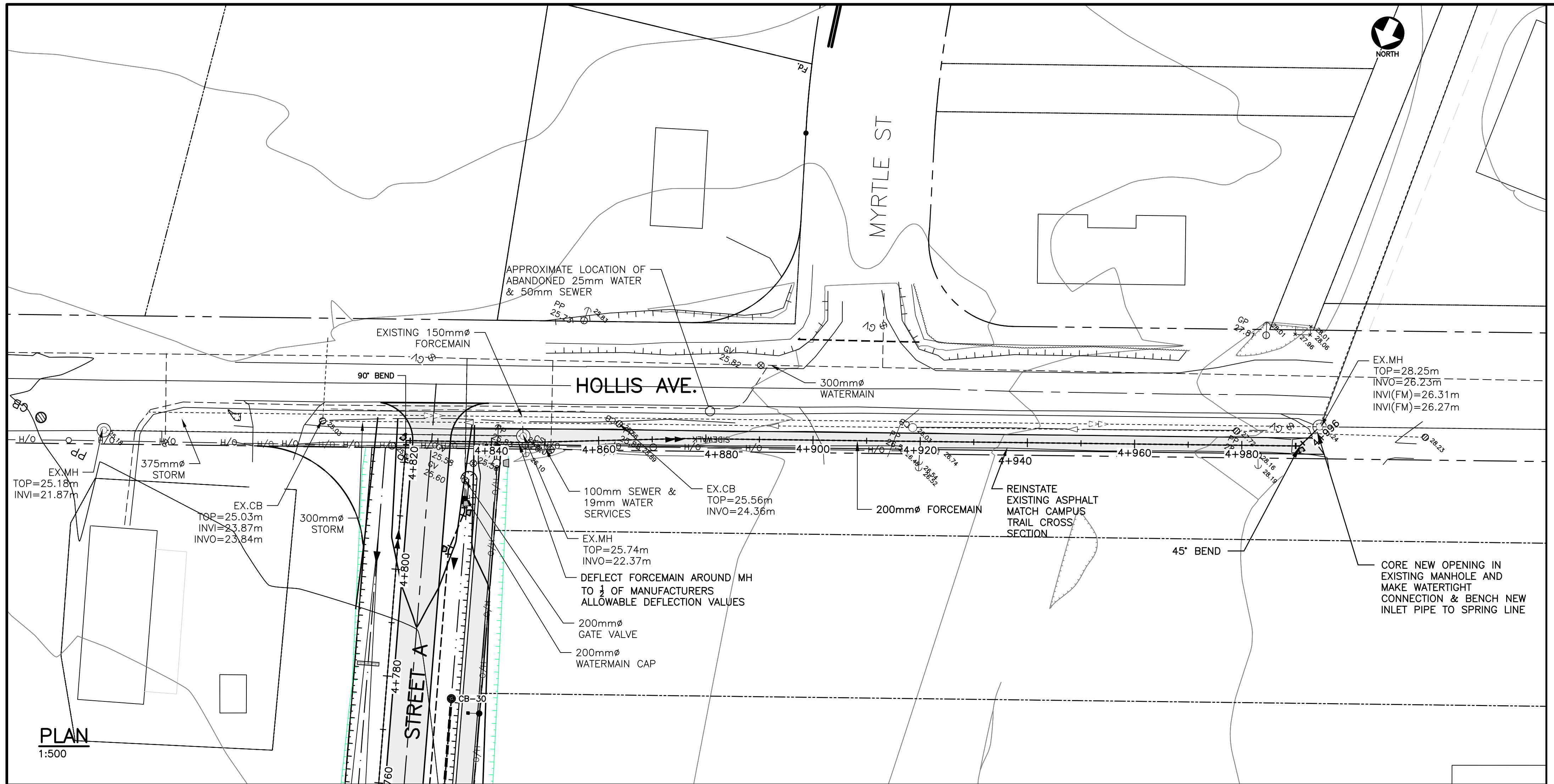
Designed	Drawn
TSL	DRC

Checked	Approved
PSH	TSL

Sheet No	18 of 29
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Drawing No

**C18**



**PROFILE**  
1:500 [H] 1:50 [V]

**NOTES**  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**LEGEND**

[Symbol]	SILT FENCE (PR.)
[Symbol]	STRAW BALE CHECK DAM (PR.)
[Symbol]	RIP RAP CHECK DAM (PR.)
[Symbol]	WATERMAIN (EX.)
[Symbol]	WATERMAIN (PR.)
[Symbol]	GATE VALVE (EX.)
[Symbol]	GATE VALVE (PR.)
[Symbol]	AIR RELEASE VALVE (PR.)
[Symbol]	WATERMAIN FITTINGS (EX.)
[Symbol]	WATERMAIN FITTINGS (PR.)
[Symbol]	WATERMAIN BENDS (EX.)
[Symbol]	WATERMAIN BENDS (PR.)
[Symbol]	FIRE HYDRANT (EX.)
[Symbol]	FIRE HYDRANT (PR.)
[Symbol]	SANITARY SEWER (EX.)
[Symbol]	SANITARY SEWER (PR.)
[Symbol]	SANITARY MH (EX.)
[Symbol]	SANITARY MH (PR.)
[Symbol]	SANITARY FORCEMAIN (EX.)
[Symbol]	SANITARY FORCEMAIN (PR.)
[Symbol]	STORM SEWER (EX.)
[Symbol]	STORM SEWER (PR.)
[Symbol]	STORM CATCHBASIN (RND.) (EX.)
[Symbol]	STORM CATCHBASIN (RND.) (PR.)
[Symbol]	DITCH (PR.)
[Symbol]	SWALE (PR.)
[Symbol]	TOP OF SLOPE (PR.)
[Symbol]	BOTTOM OF SLOPE (PR.)
[Symbol]	LIMITS OF ROADWAY DISTURBANCE (PR.)
[Symbol]	SPOT ELEVATION (PR.)

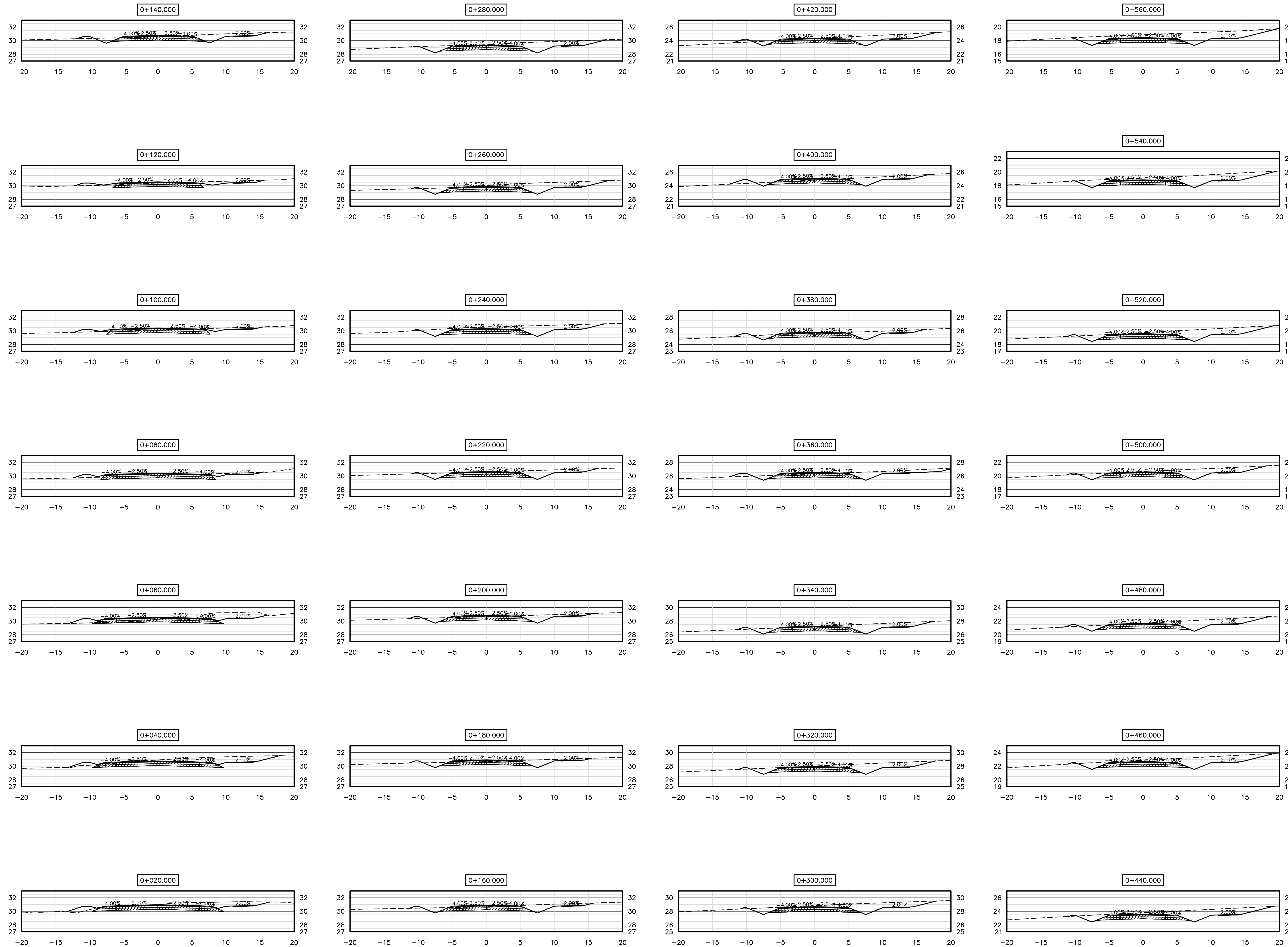
**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

Revision or Issue

**TOWN OF STRATFORD**  
**COMMUNITY CAMPUS**  
SITE SERVICING  
CIVIL  
**PLAN & PROFILE HOLLIS AVE**  
STA 4+800 TO 4+996

CBCL No 222617.00	Contract No 222617.00	Date MAR, 2023	Scale AS NOTED
Designed TSL	Checked PSH	Drawn DRC	Approved TSL
Sheet No 19 of 29		Drawing No C19	



**NOTES**  
 1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TL

Revision or Issue



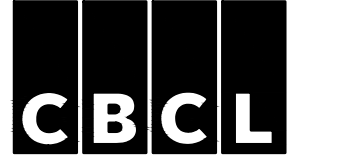
TOWN OF STRATFORD

COMMUNITY CAMPUS

SITE SERVICING  
 CIVIL

SECTIONS

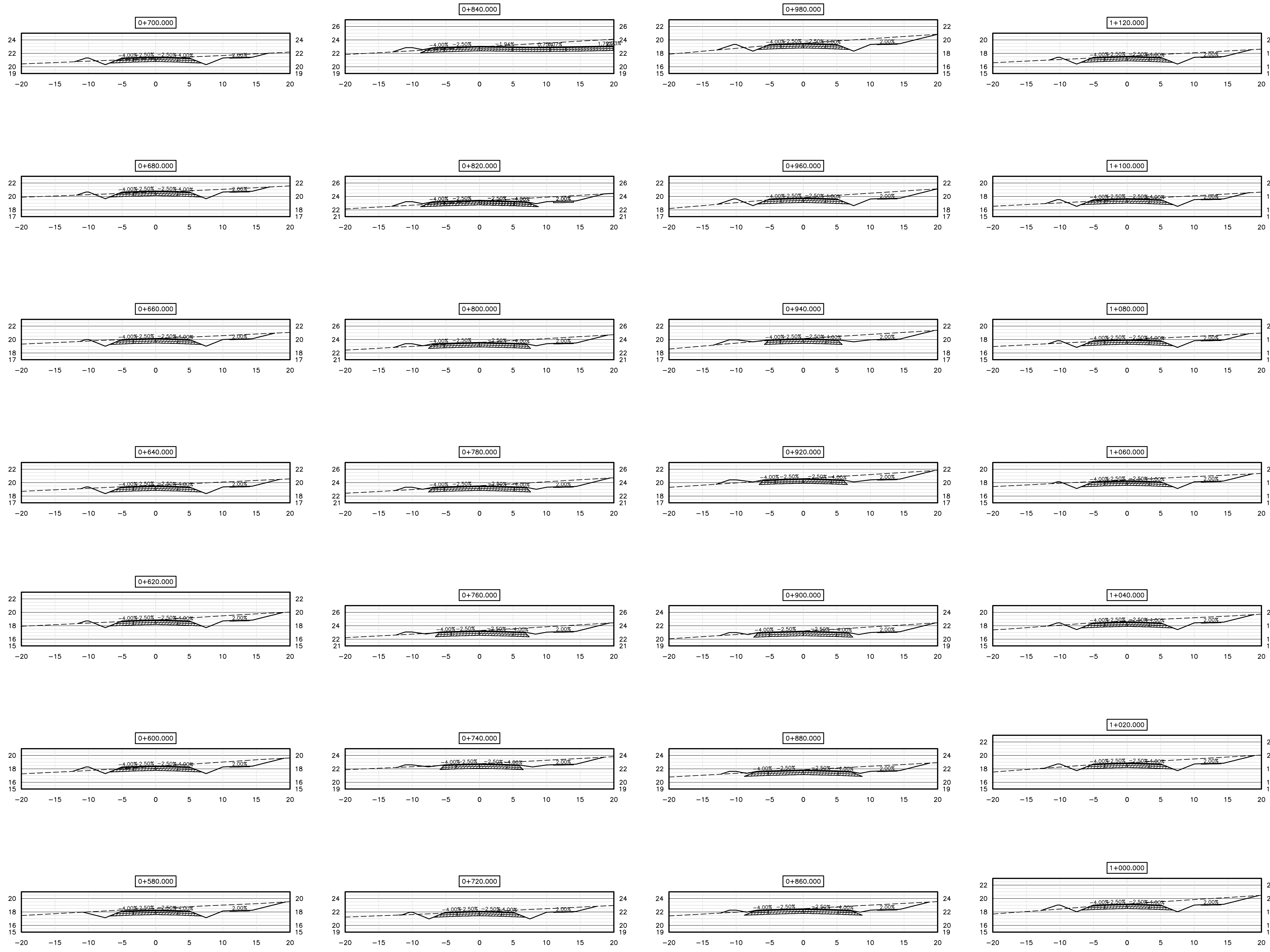
STA 0+020 TO 0+560



CBCL No.	Contract No.	Date	Scale
222617.00	222617.00	MAR, 2023	1:250

Designed	Drawn
TSL	SEM
Checked	Approved
PSH	TSL
Sheet No.	Drawing No.
20 of 29	

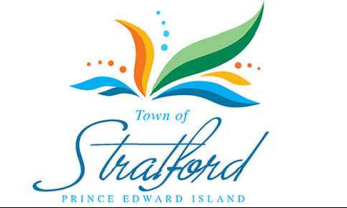
**C20**



**NOTES**  
 1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

NOT FOR CONSTRUCTION

No.	Description	Date	By
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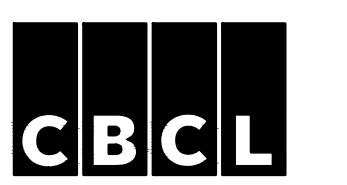


**TOWN OF STRATFORD**  
**COMMUNITY CAMPUS**

SITE SERVICING  
 CIVIL

**SECTIONS**

STA 0+580 TO 1+120

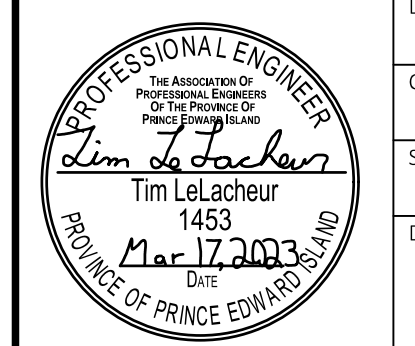


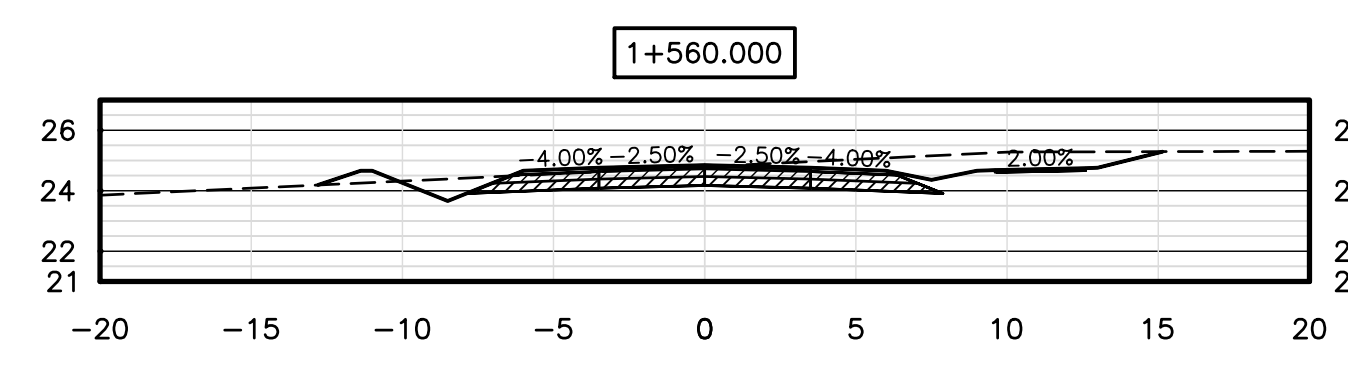
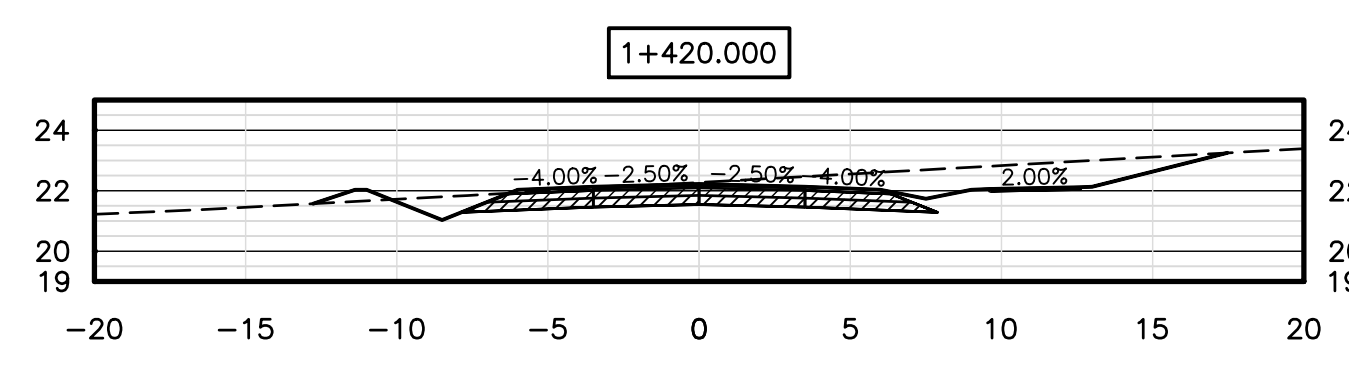
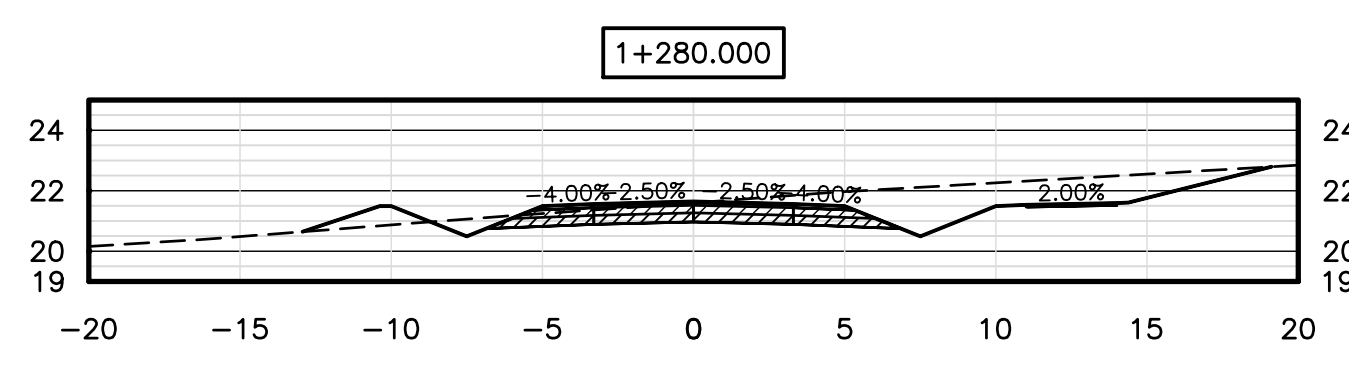
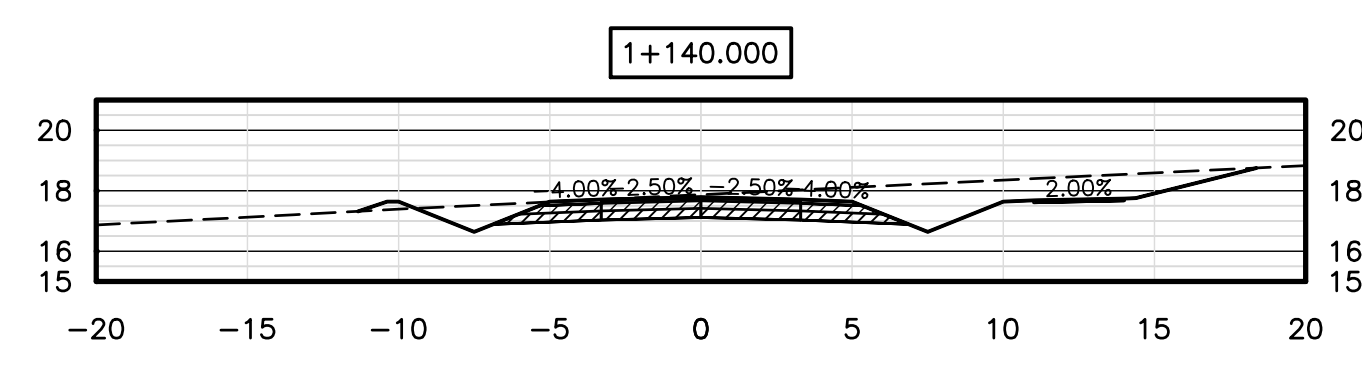
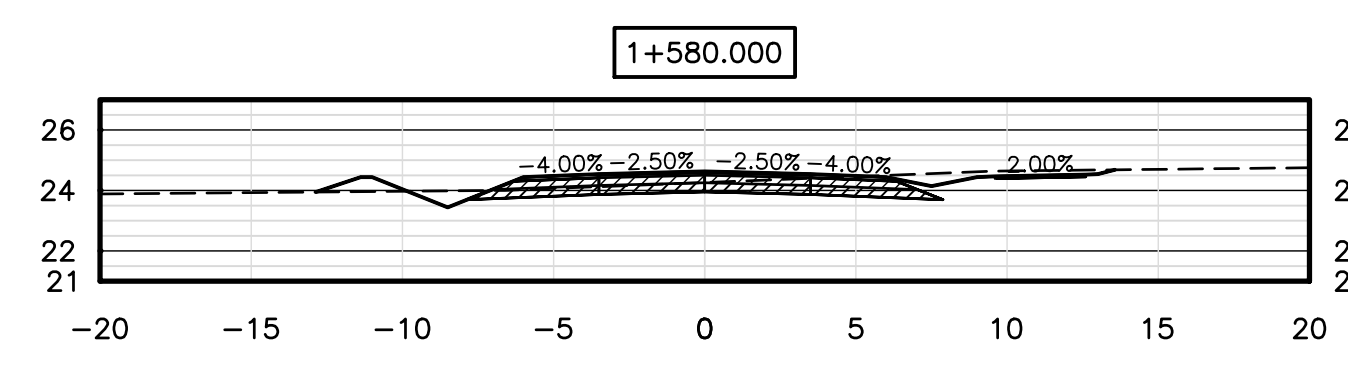
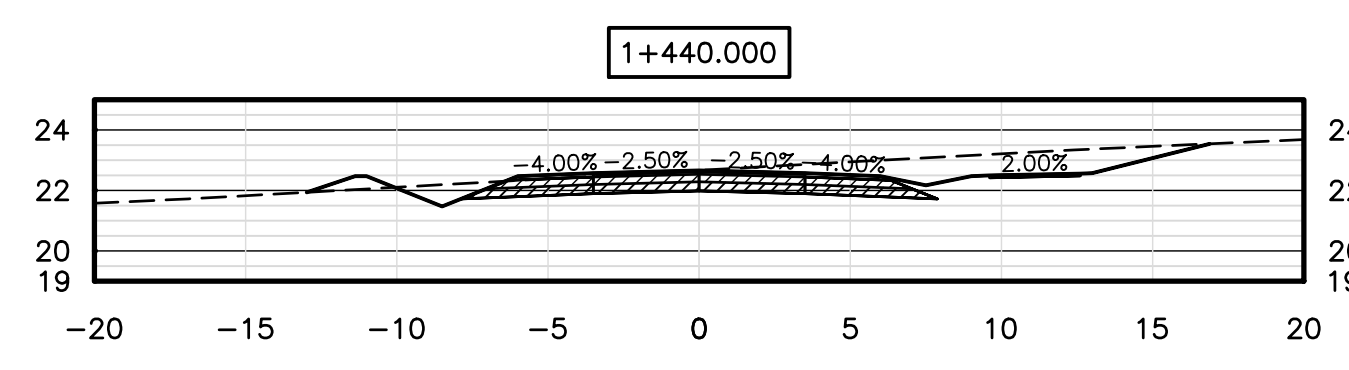
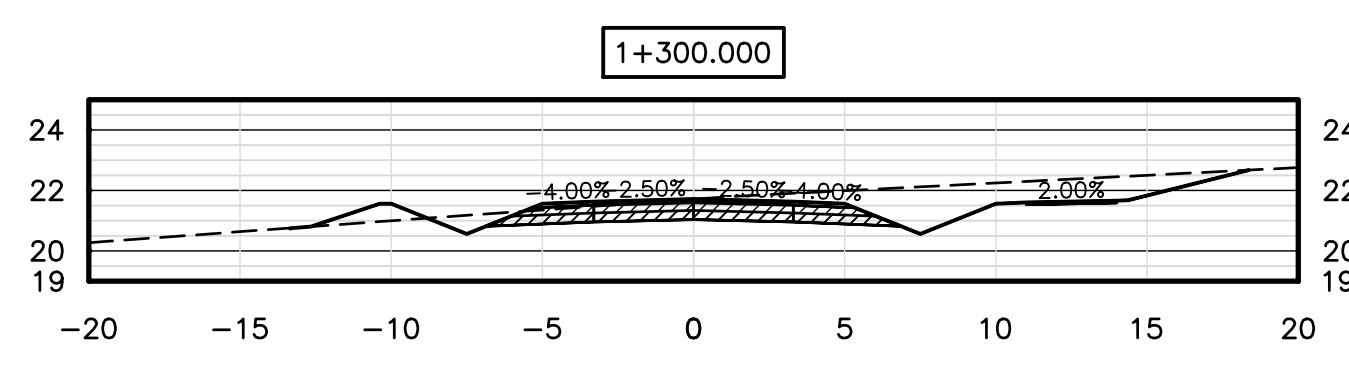
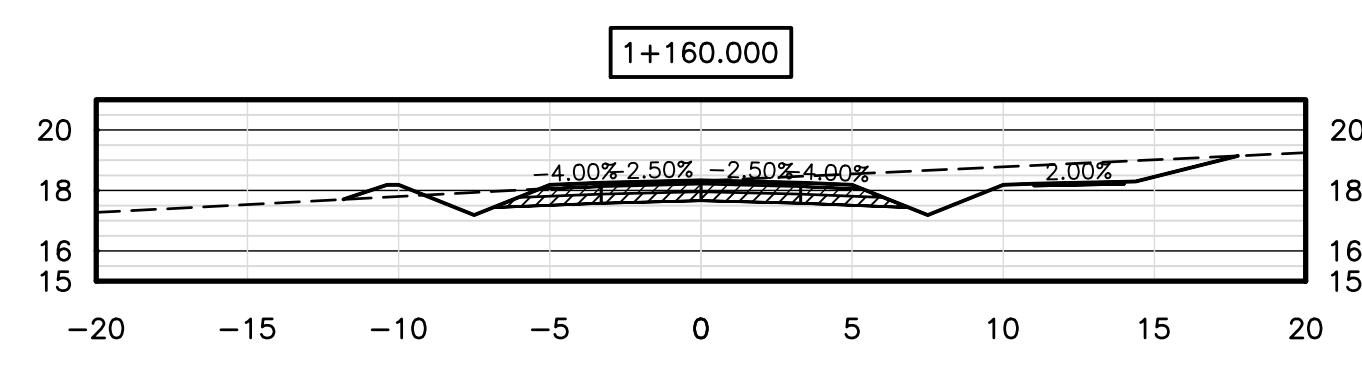
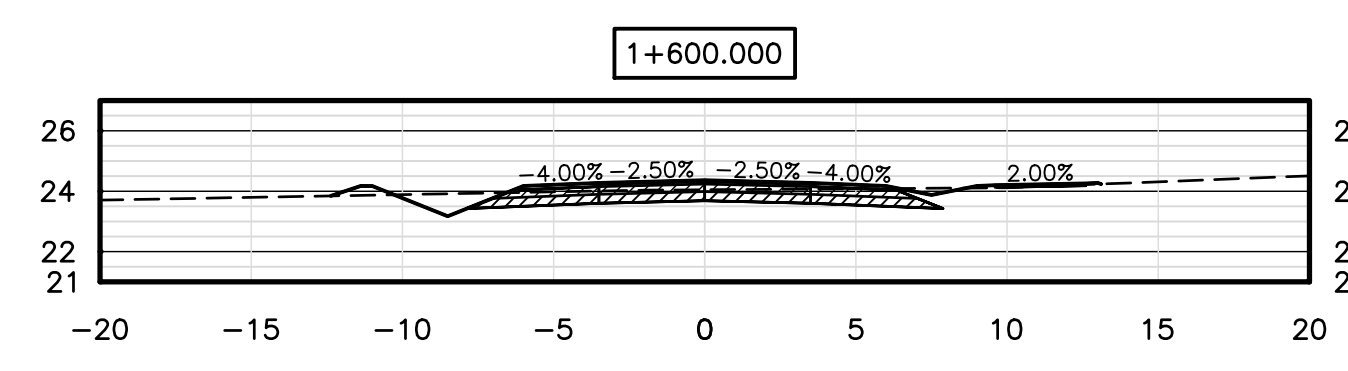
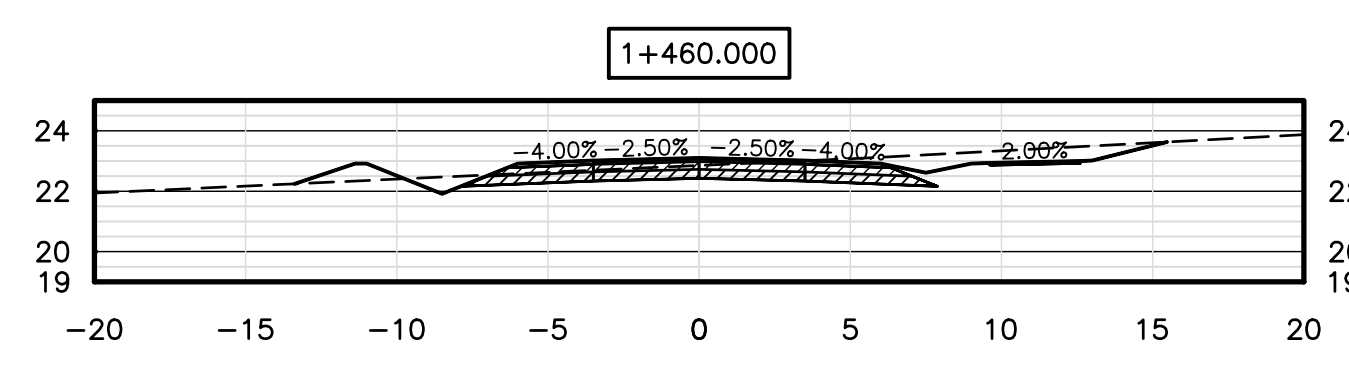
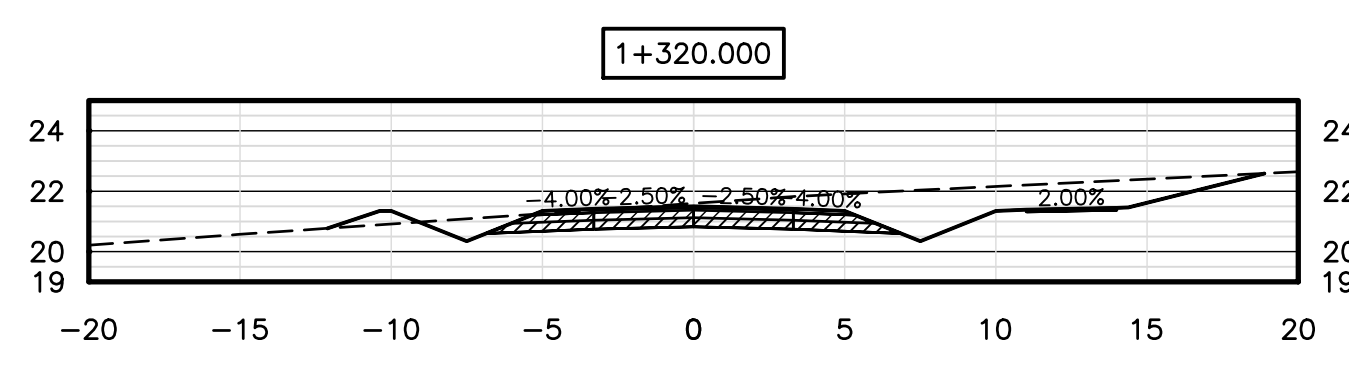
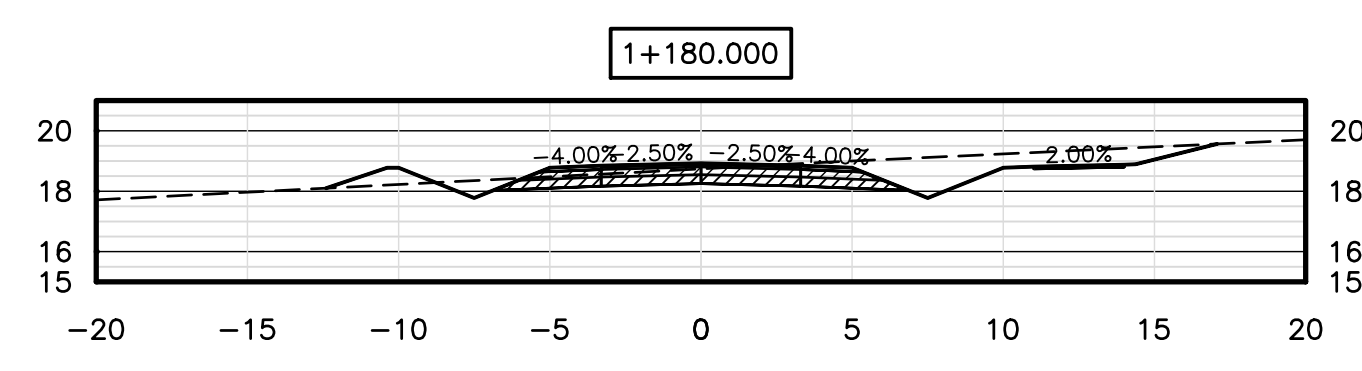
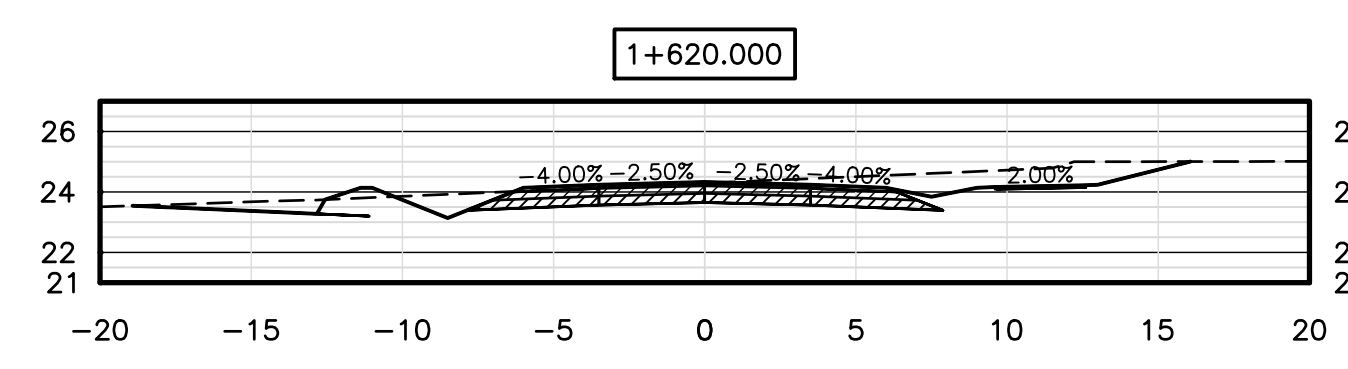
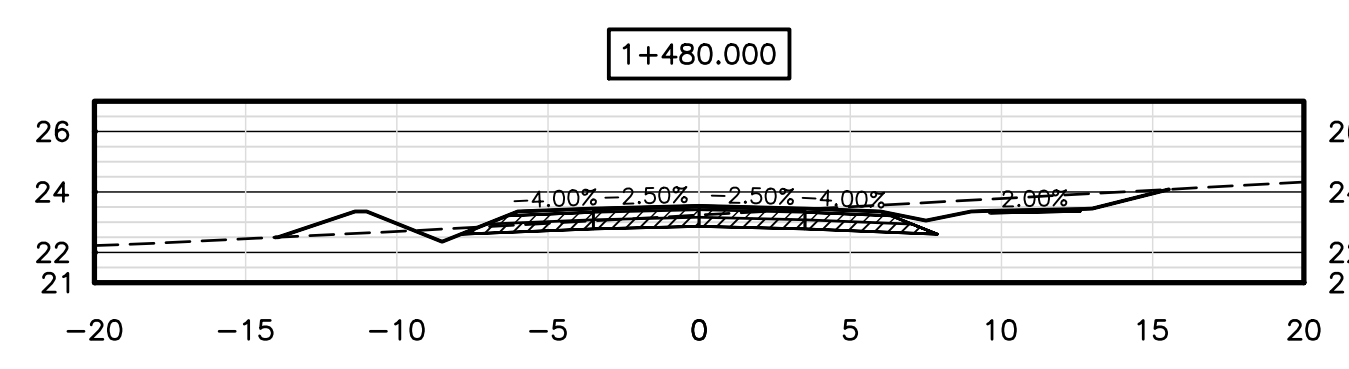
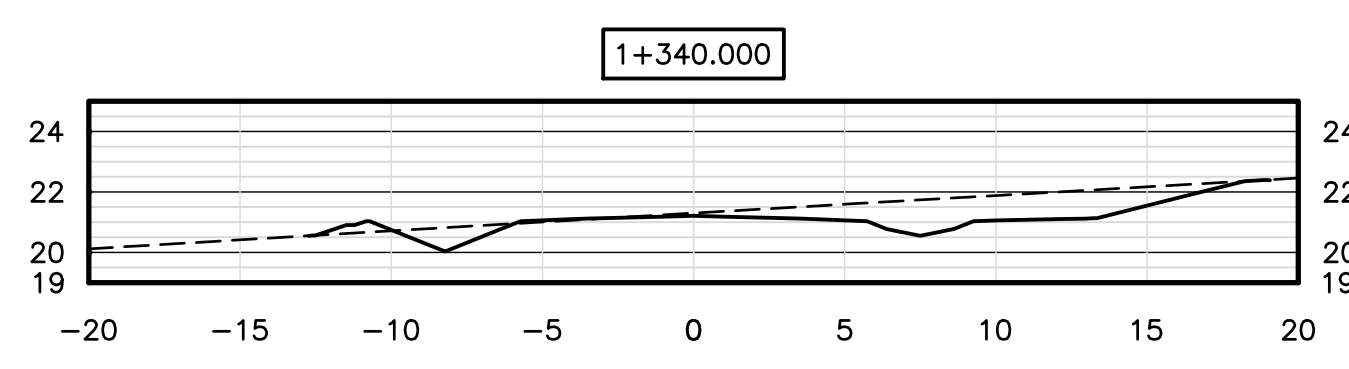
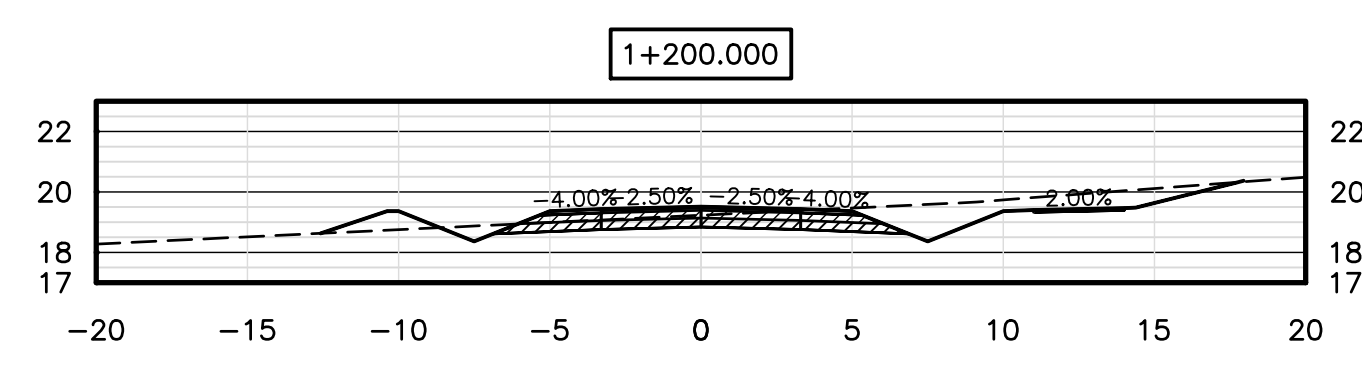
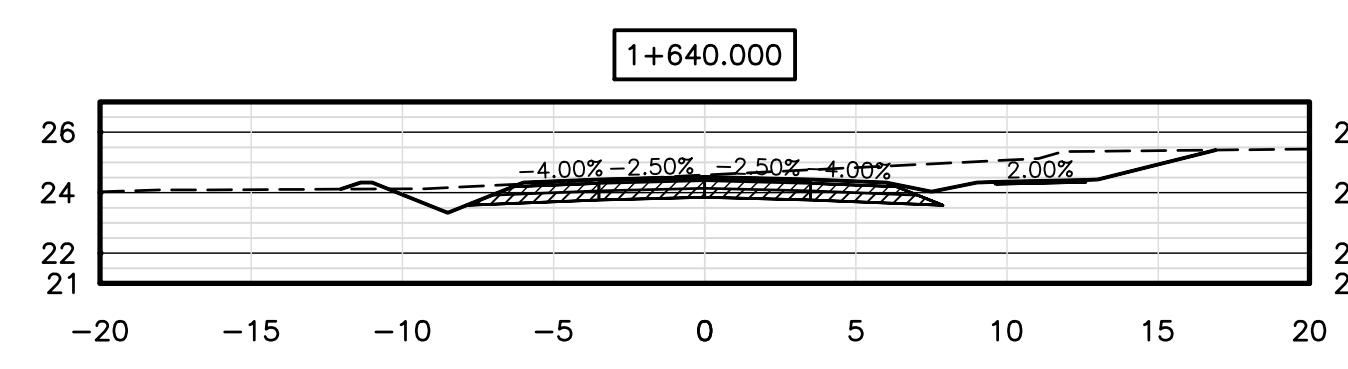
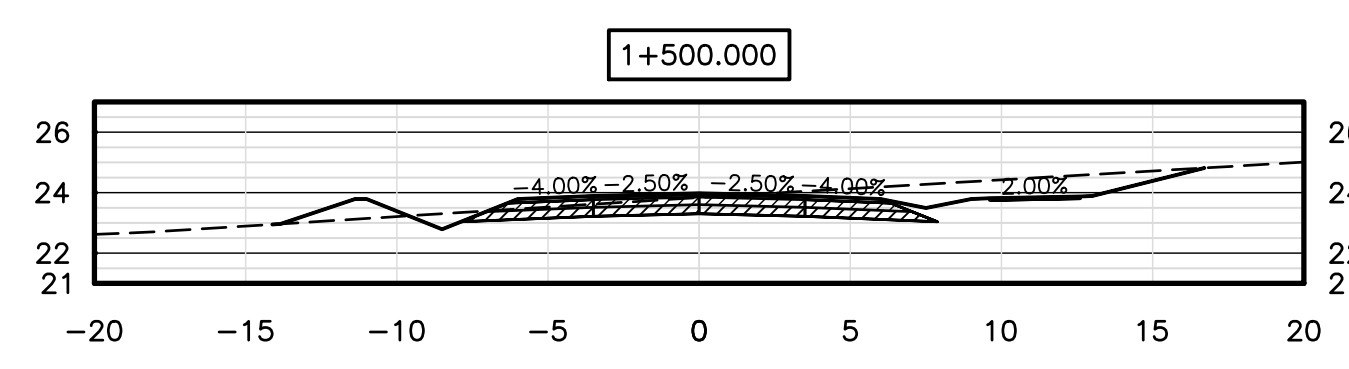
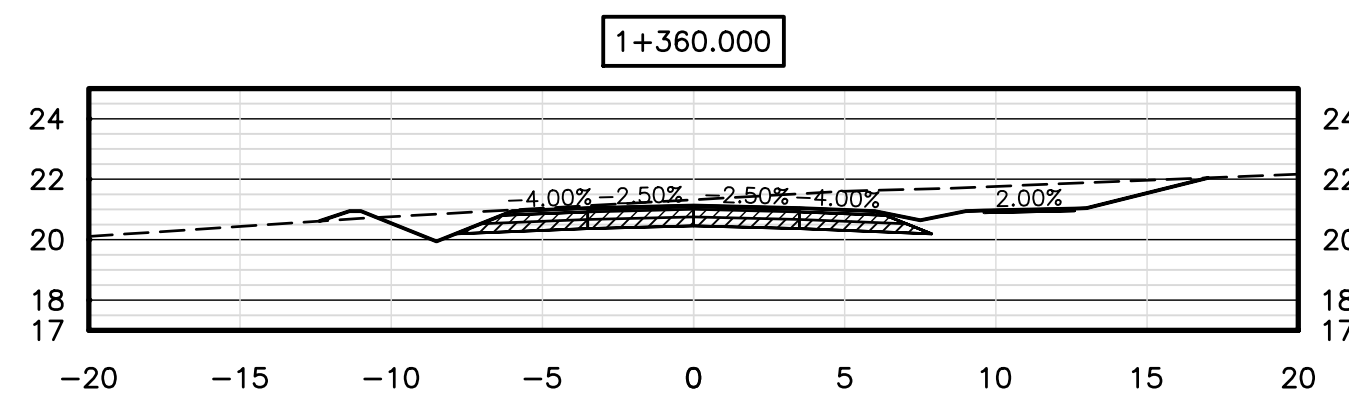
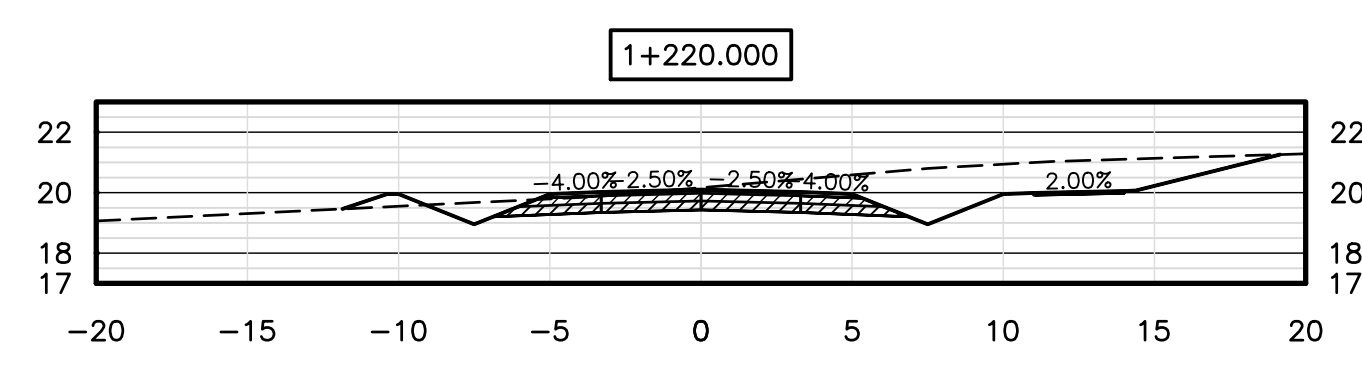
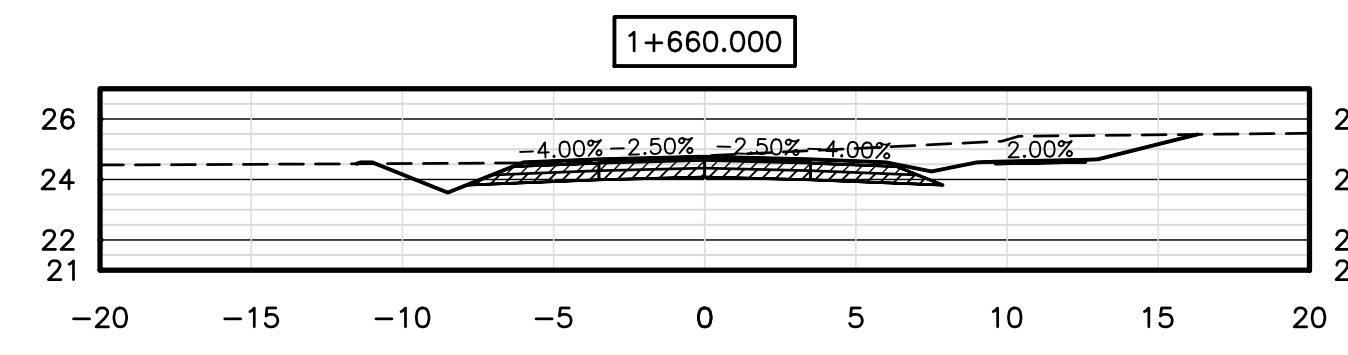
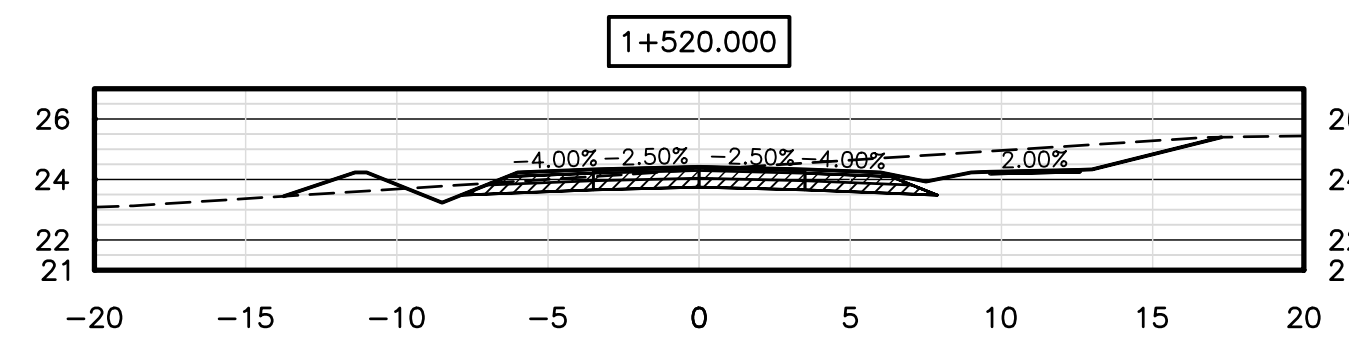
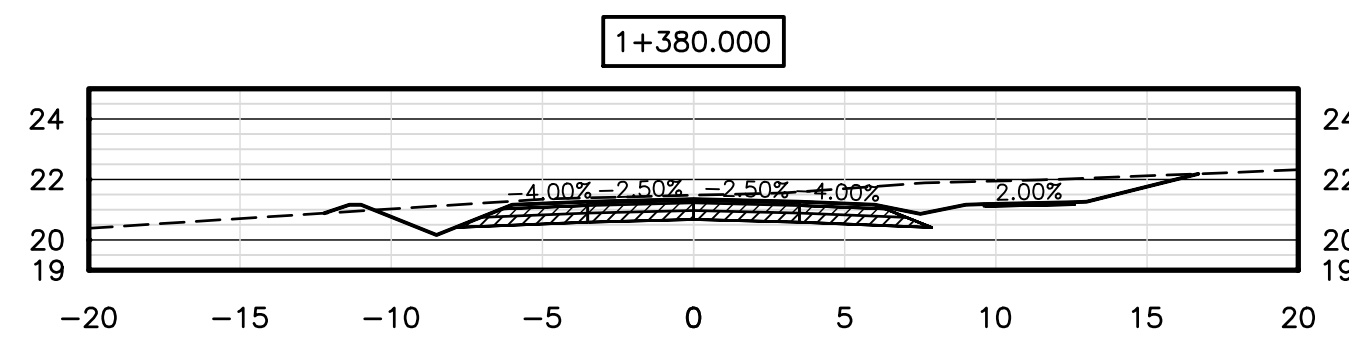
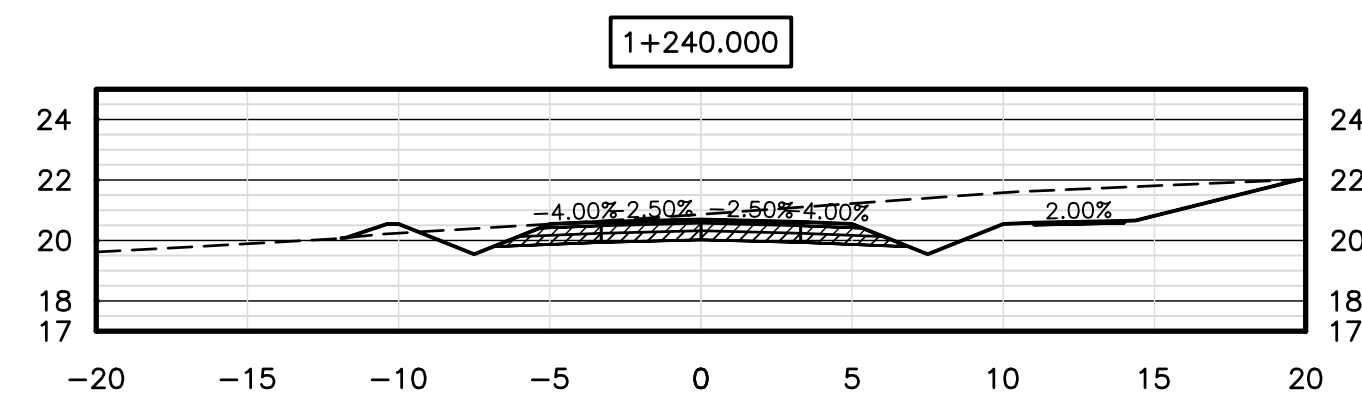
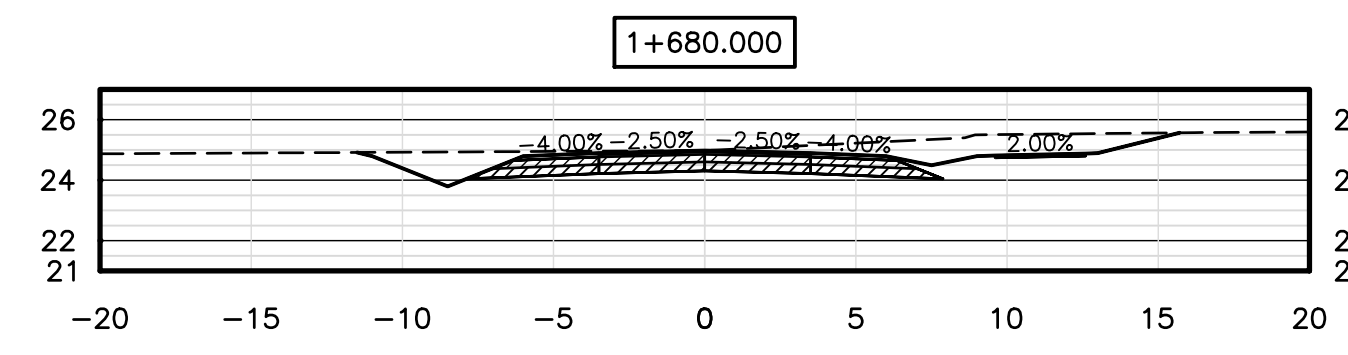
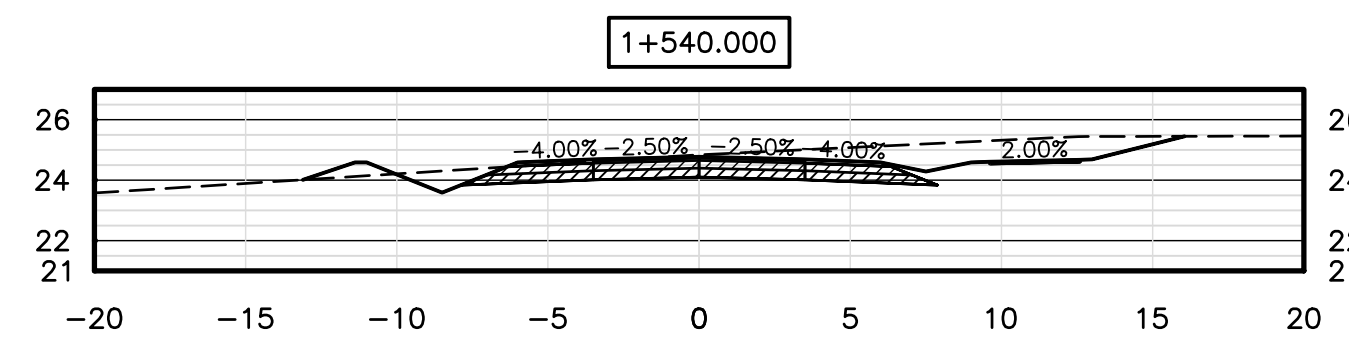
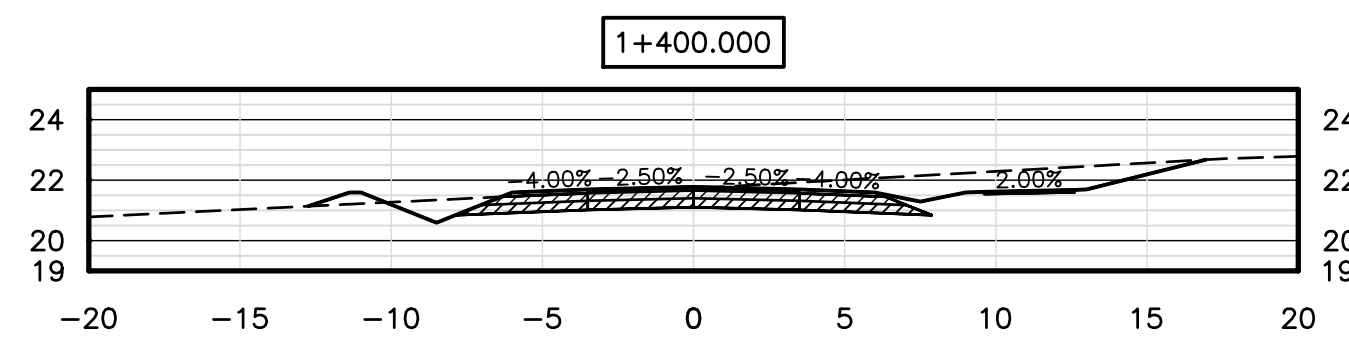
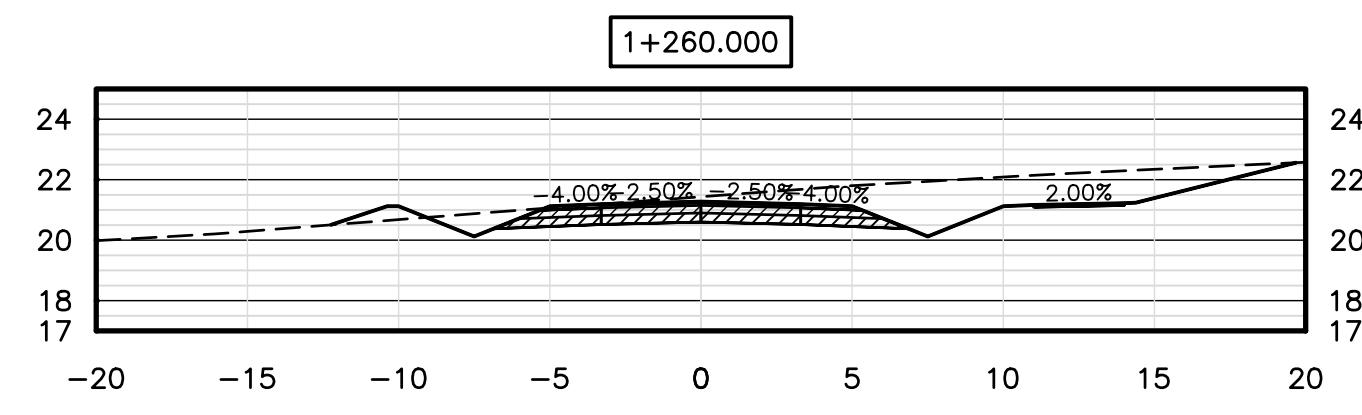
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Designed TSL	Drawn SEM
Checked PSH	Approved TSL

Sheet No. 21 of 29  
 Drawing No.

C21






**NOTES**  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	SL

Revision or Issue



TOWN OF STRATFORD

COMMUNITY CAMPUS

SITE SERVICING

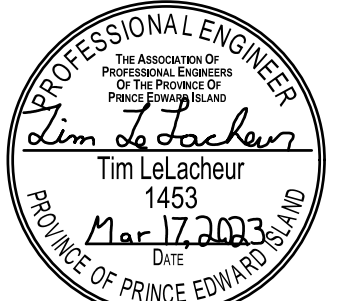
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SECTIONS

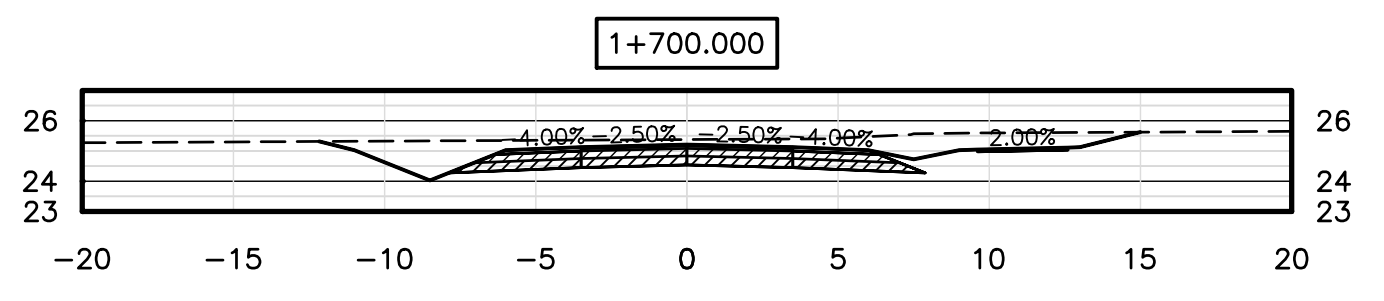
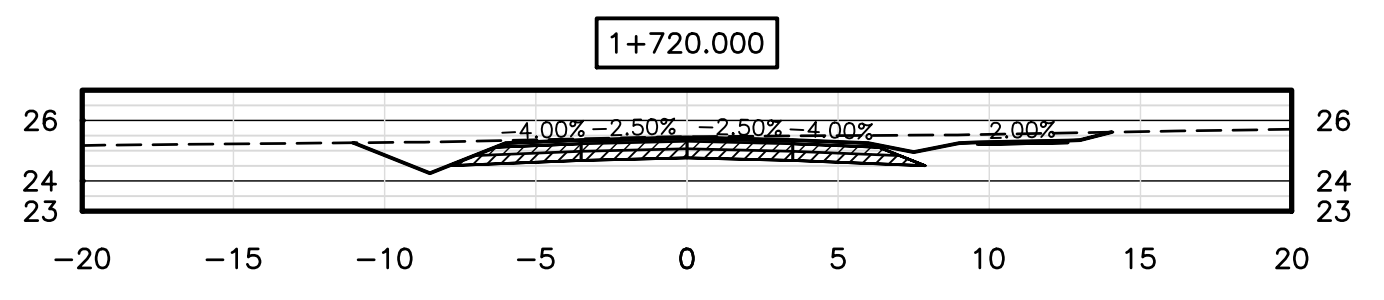
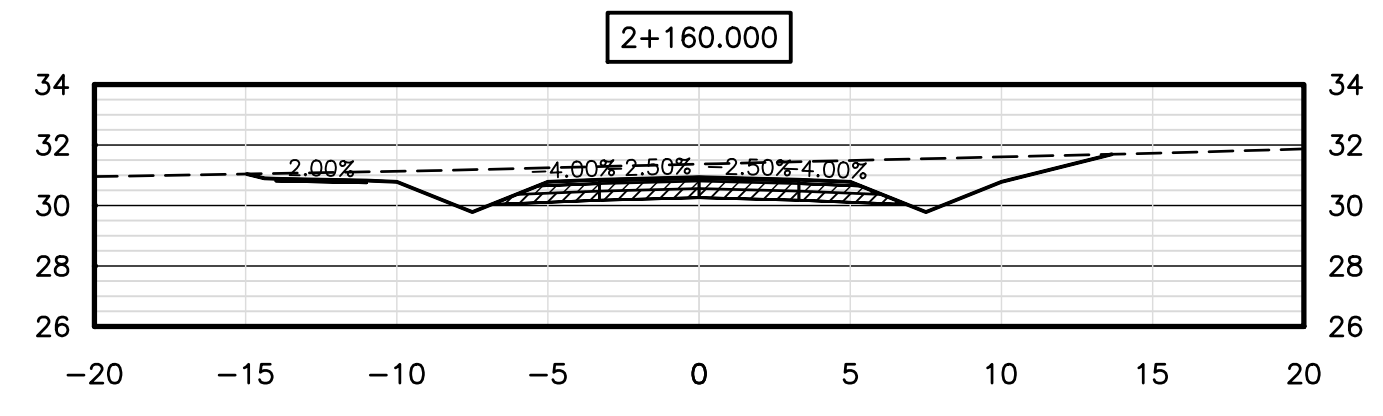
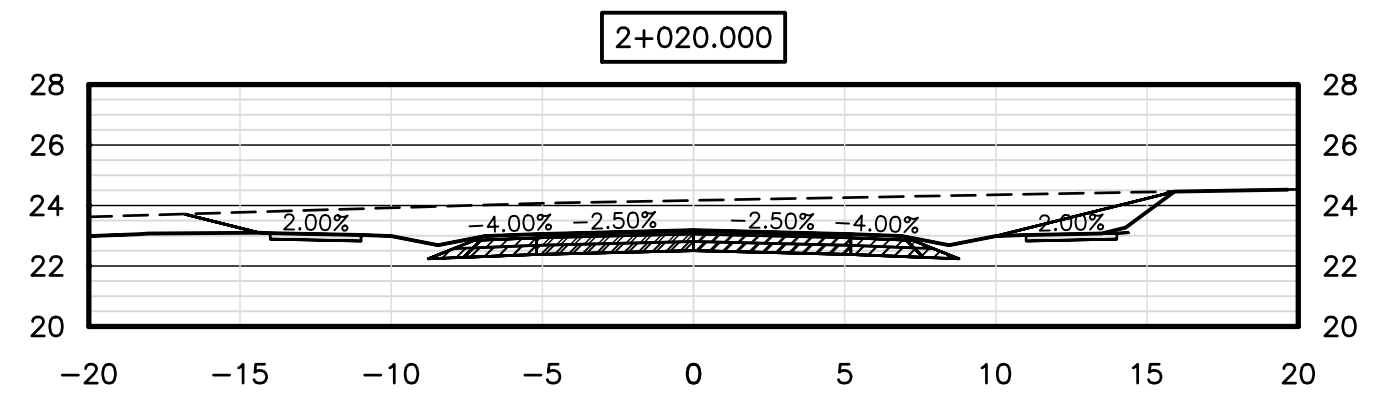
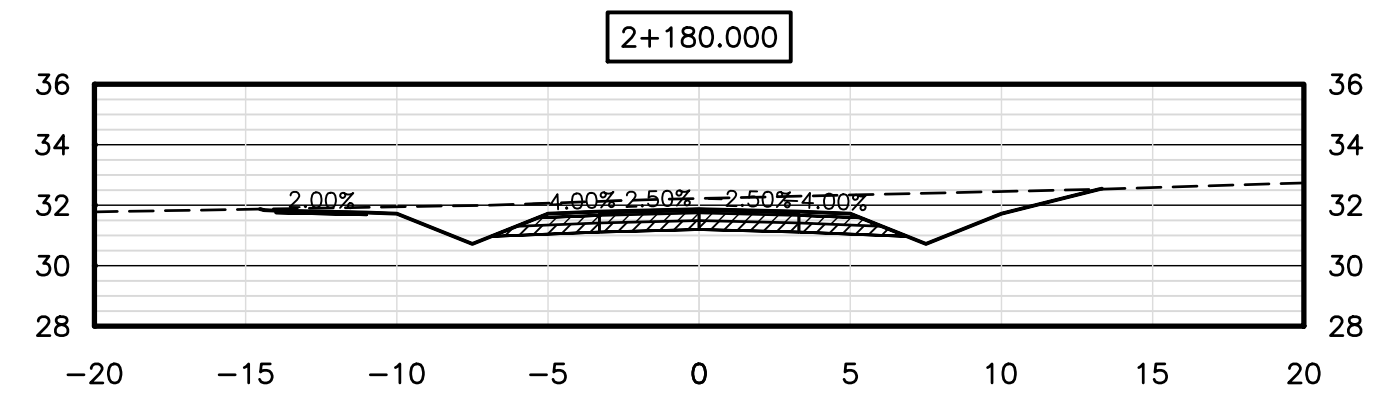
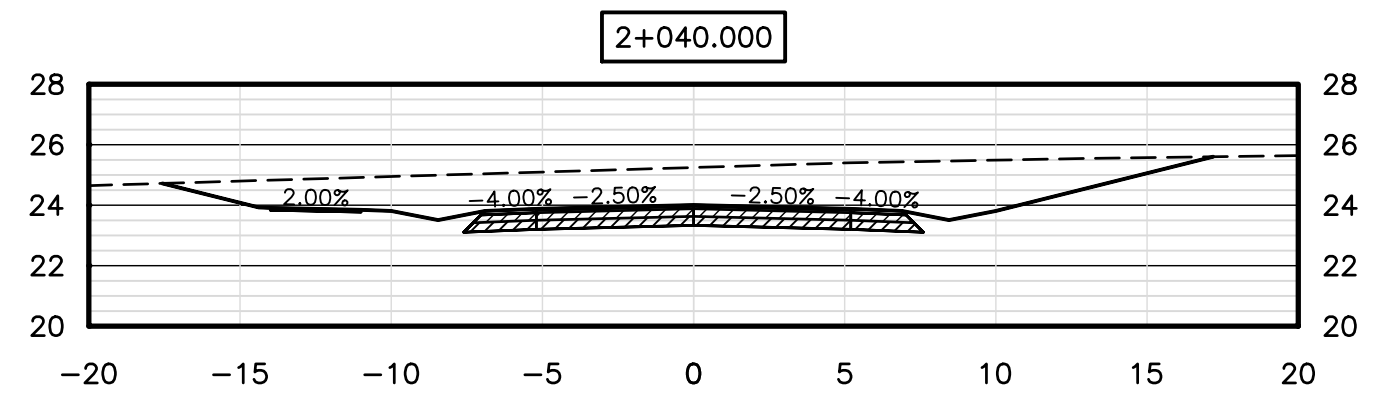
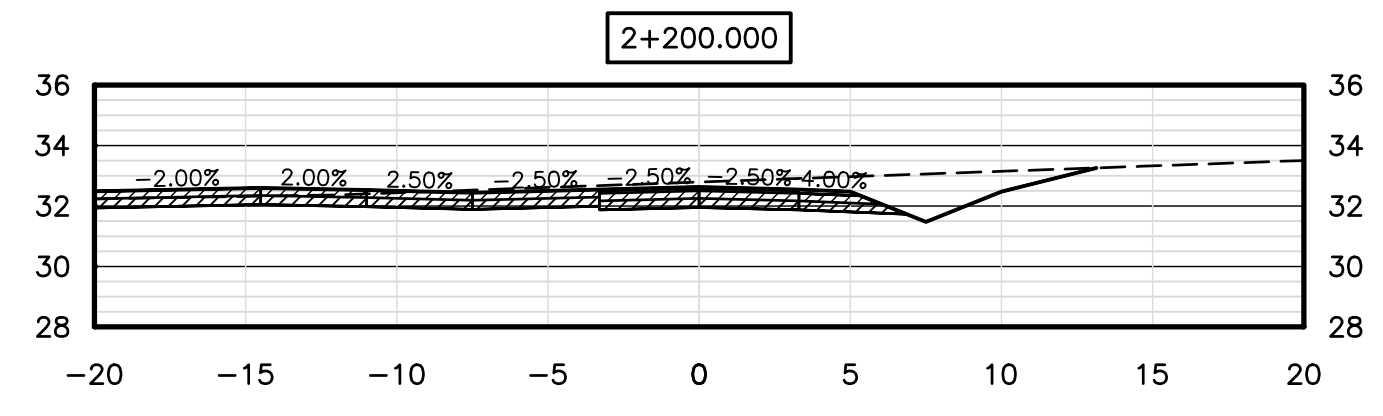
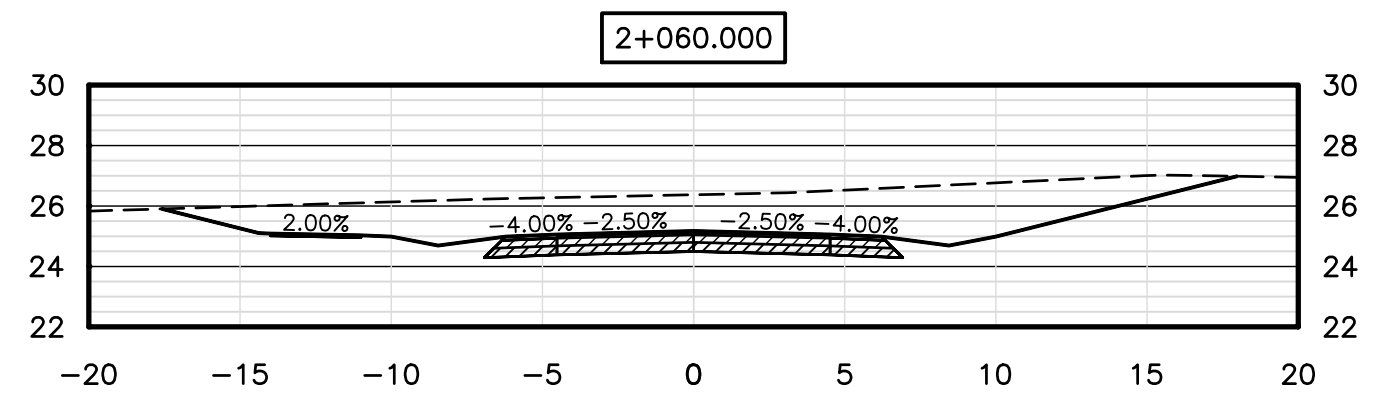
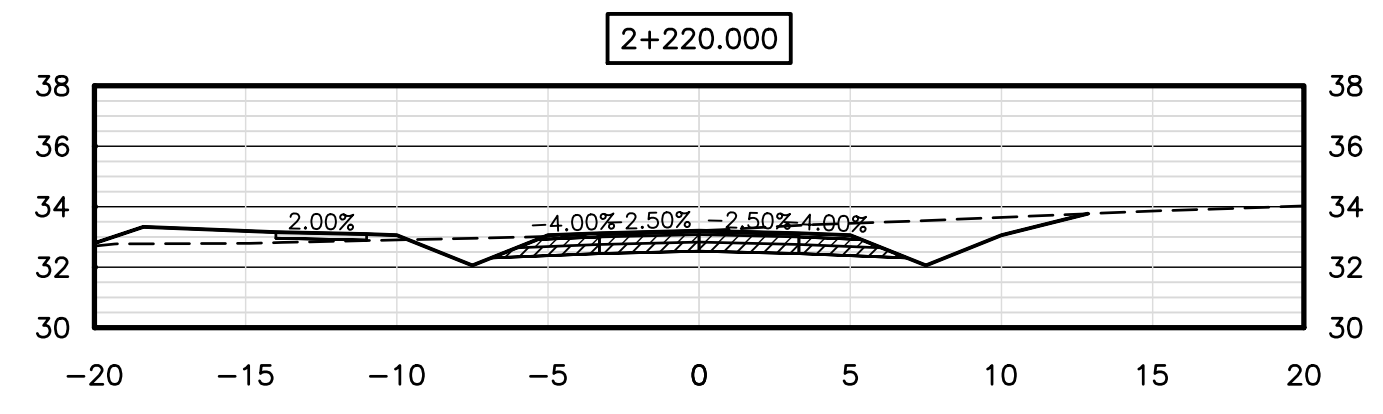
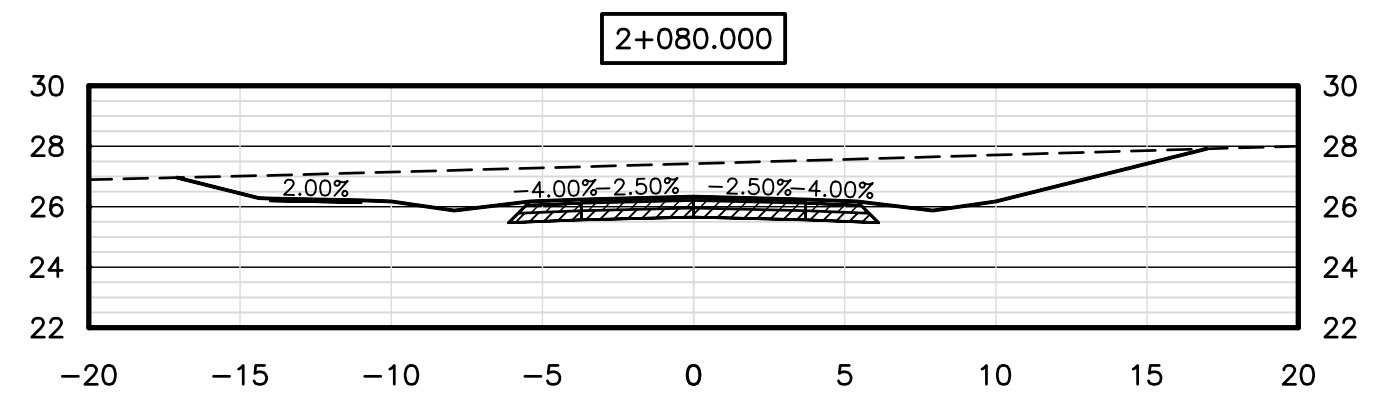
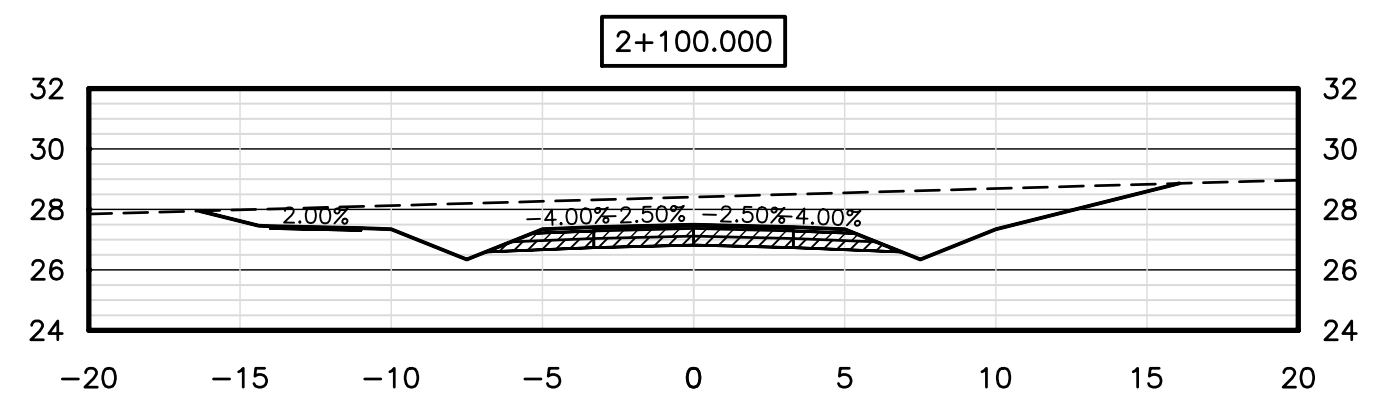
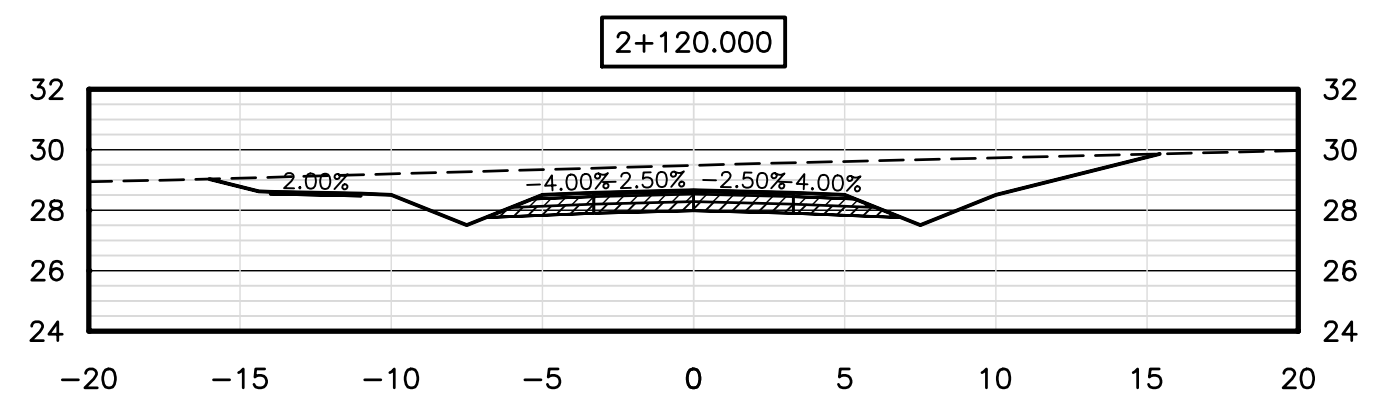
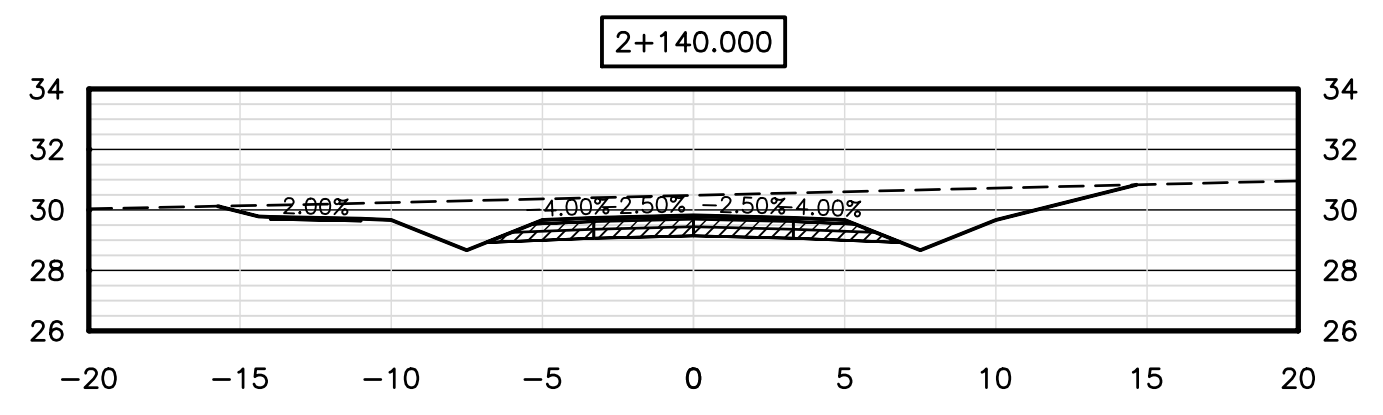
STA 1+140 TO 1+680



CBCL No 222617.00	Contract No 222617.00	Date MAR, 2023	Scale 1:250
Designed TSL	Drawn SEM	Checked PSH	Approved TSL
Sheet No 22 of 29		Drawing No C22	

  
Tim LeLacheur  
1453  
MAR 17 2023  
PROVINCE OF PRINCE EDWARD ISLAND

**NOTES**  
 1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.



**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

Revision or Issue

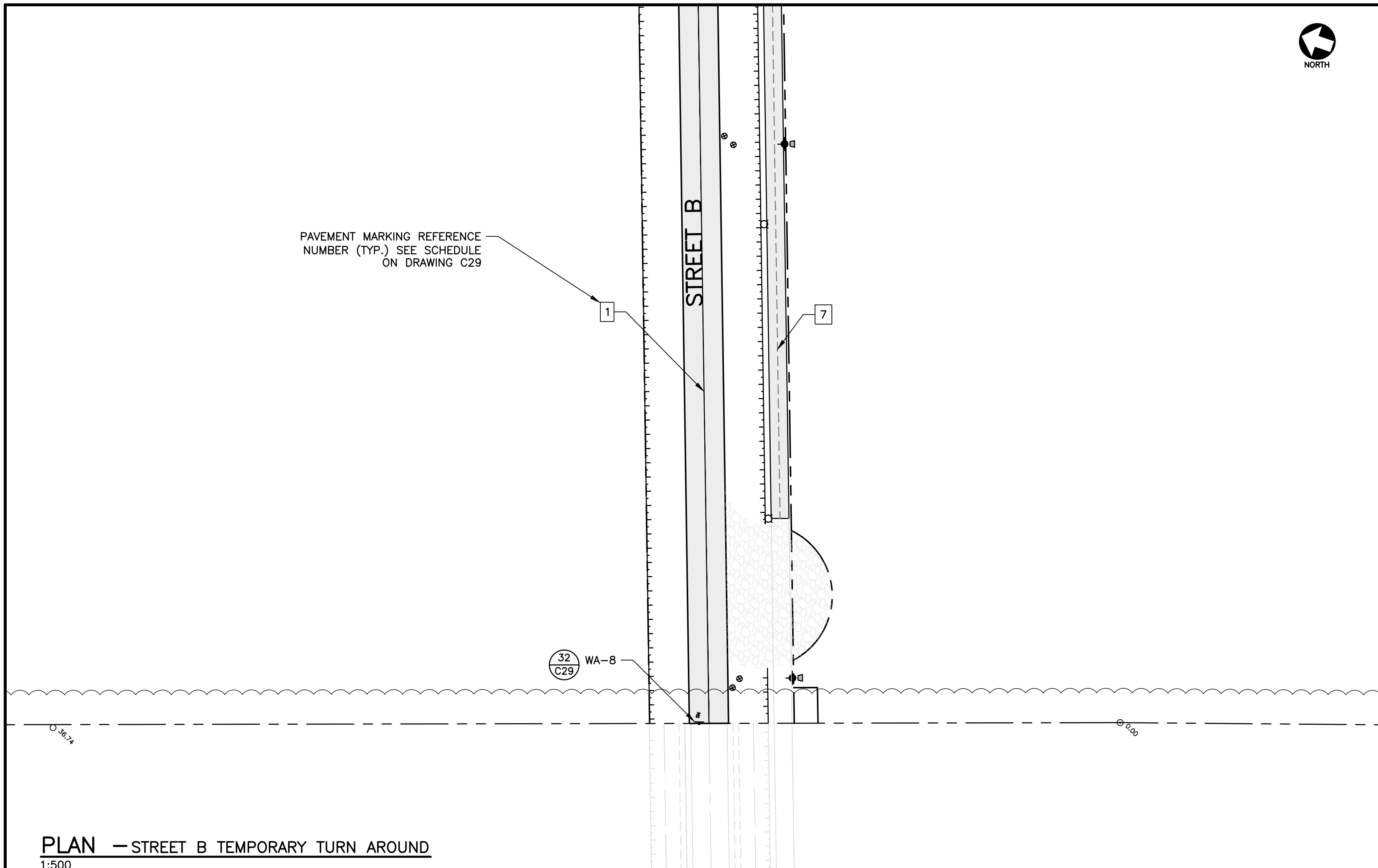
**Town of Stratford**  
 COMMUNITY CAMPUS  
 SITE SERVICING  
 CIVIL  
 SECTIONS  
 STA 1+700 TO 1+720 & 2+020 TO 2+240



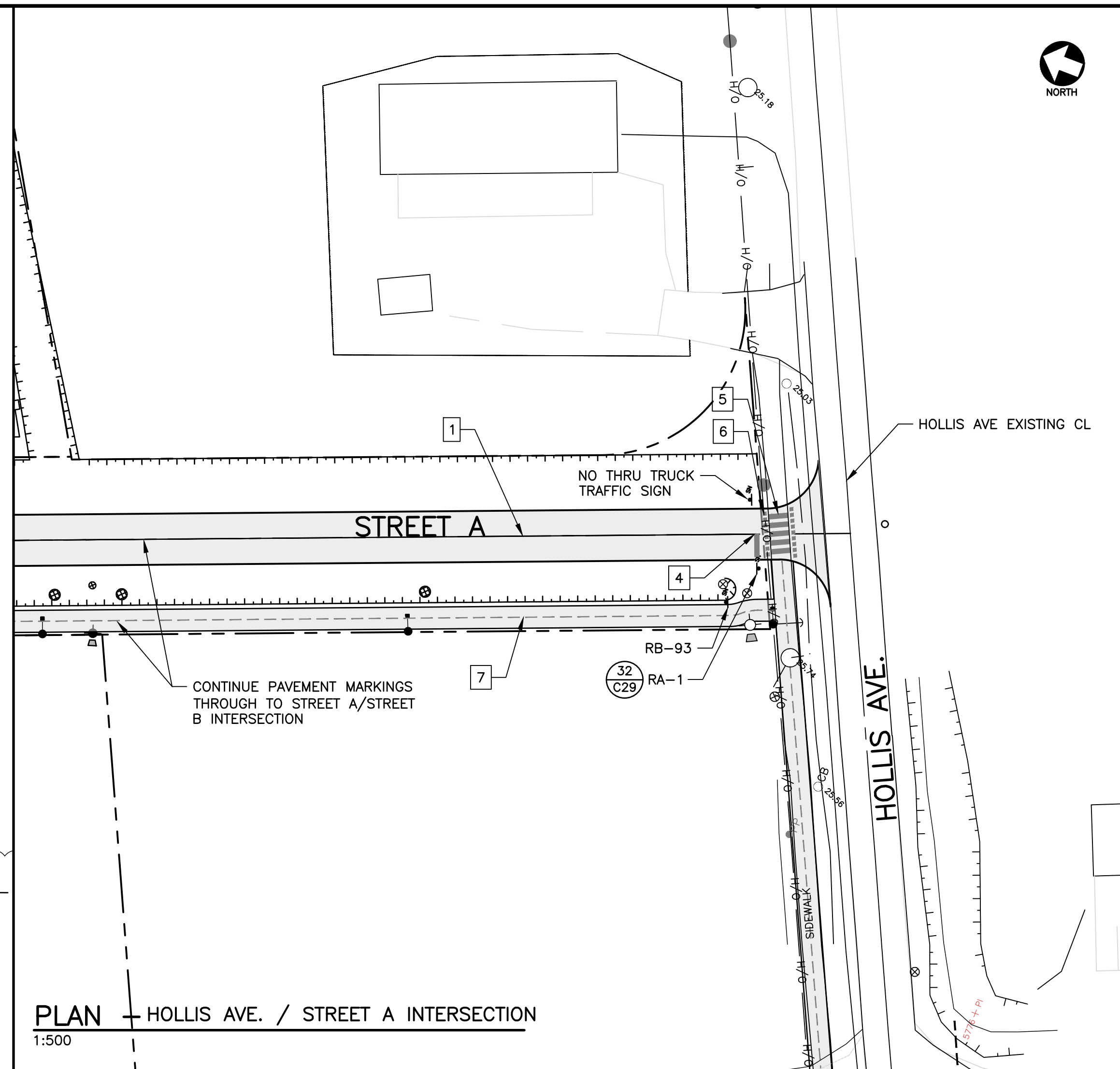
CBCL No 222617.00	Contract No 222617.00	Date MAR 2023	Scale 1:250
Designed TSL	Drawn SEM	Checked PSH	Approved TSL
Sheet No 23 of 29		Drawing No C23	

**PROFESSIONAL ENGINEER**  
 The Association of Professional Engineers of the Province of Prince Edward Island  
 Tim LeLacheur  
 1453  
 Mar 17, 2023  
 DATE

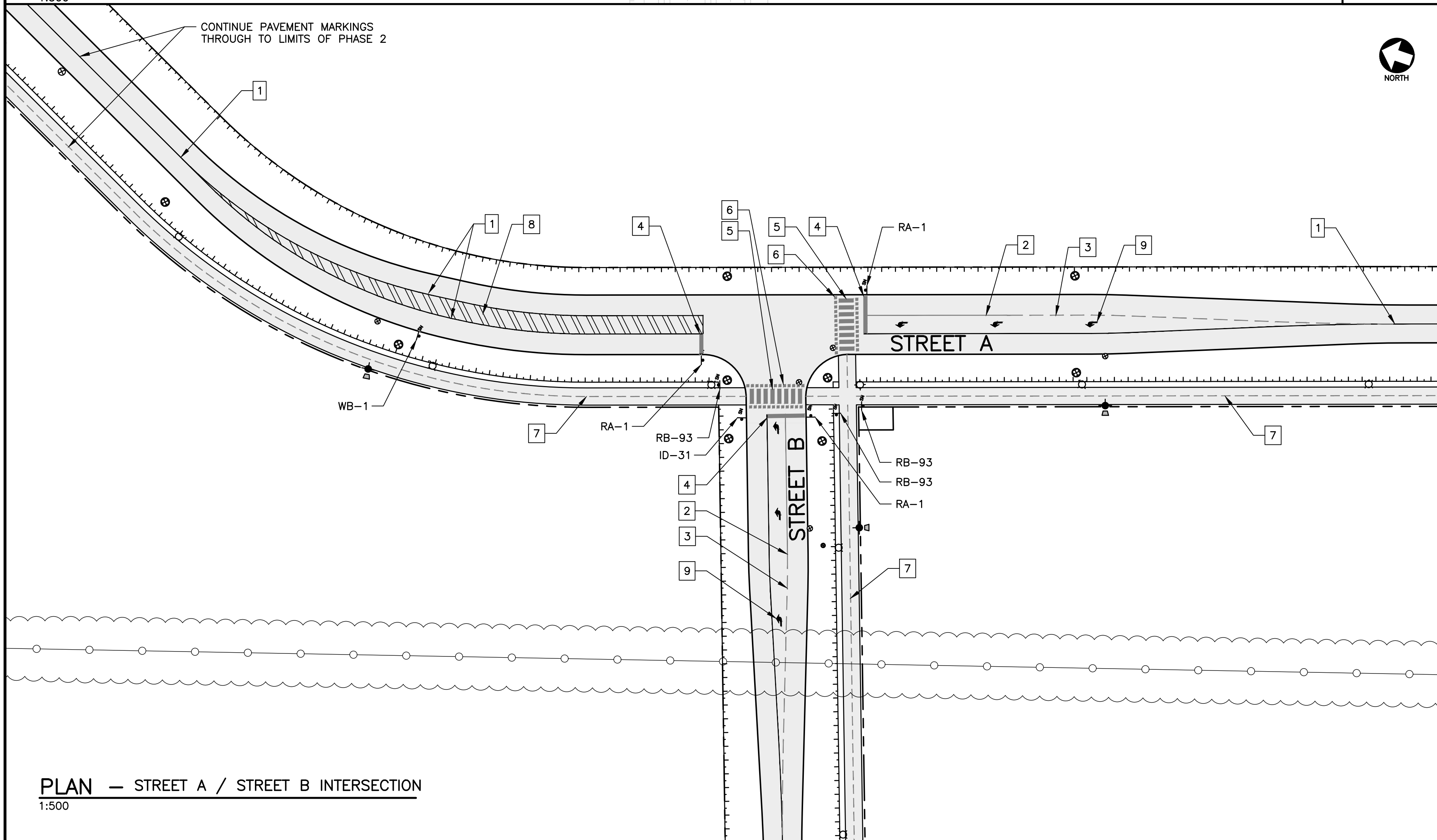




**PLAN — STREET B TEMPORARY TURN AROUND**  
1:500



**PLAN — HOLLIS AVE. / STREET A INTERSECTION**  
1:500



**PLAN — STREET A / STREET B INTERSECTION**  
1:500

- NOTES**
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.
  2. REFER TO DRAWING C29 FOR PAVEMENT MARKING AND TRAFFIC SIGN SCHEDULES.
  3. REFER TO DRAWING C29 FOR PAVEMENT MARKING AND SIGNAGE DETAILS.

**LEGEND**

	ROAD CL PAVEMENT MARKING (PR.)
	TRAIL CL PAVEMENT MARKING (PR.)
	PAVEMENT MARKING IDENTIFICATION
	TRAFFIC SIGN (PR.)

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No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

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**TOWN OF STRATFORD**

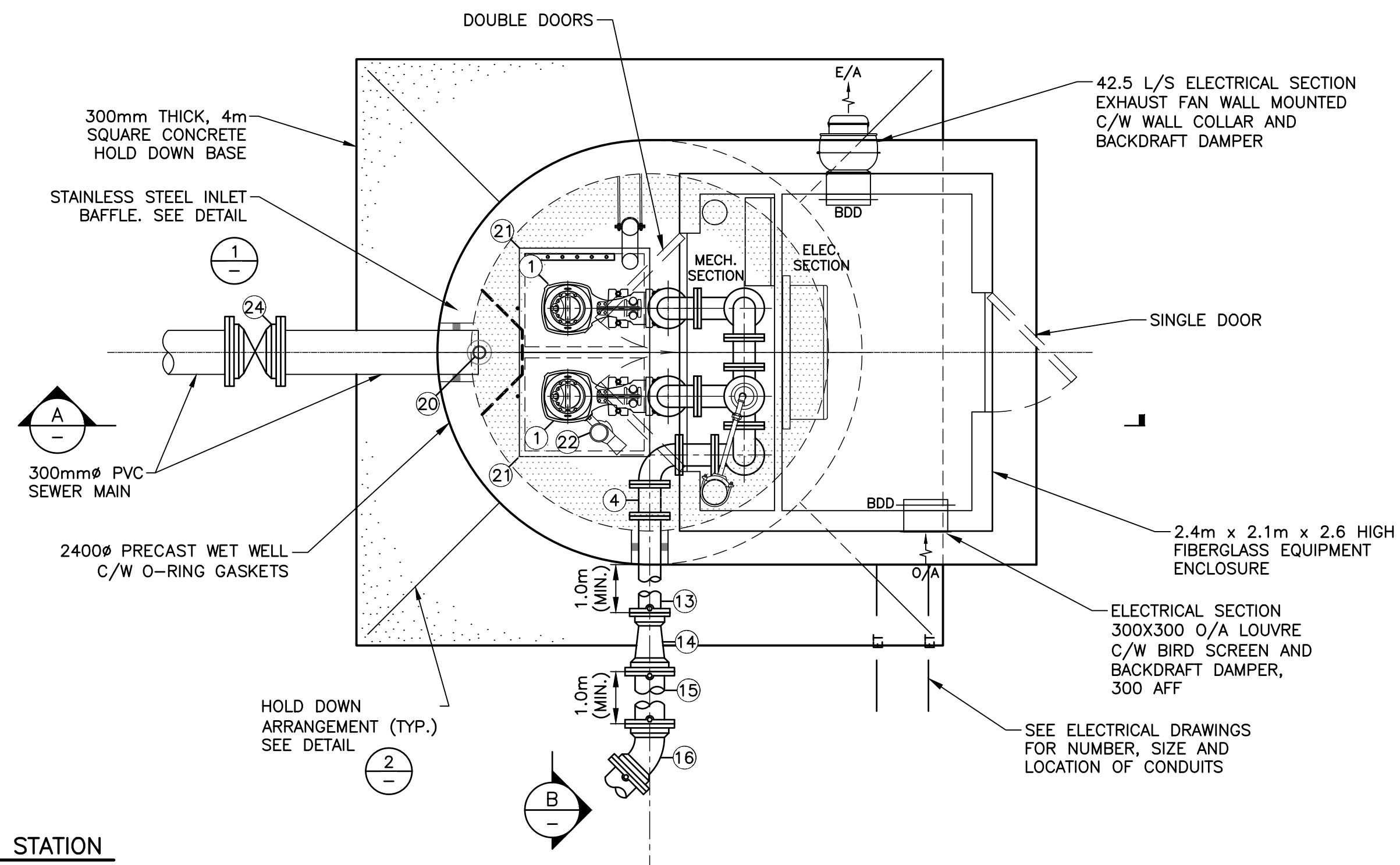
COMMUNITY CAMPUS

SITE SERVICING  
CIVIL

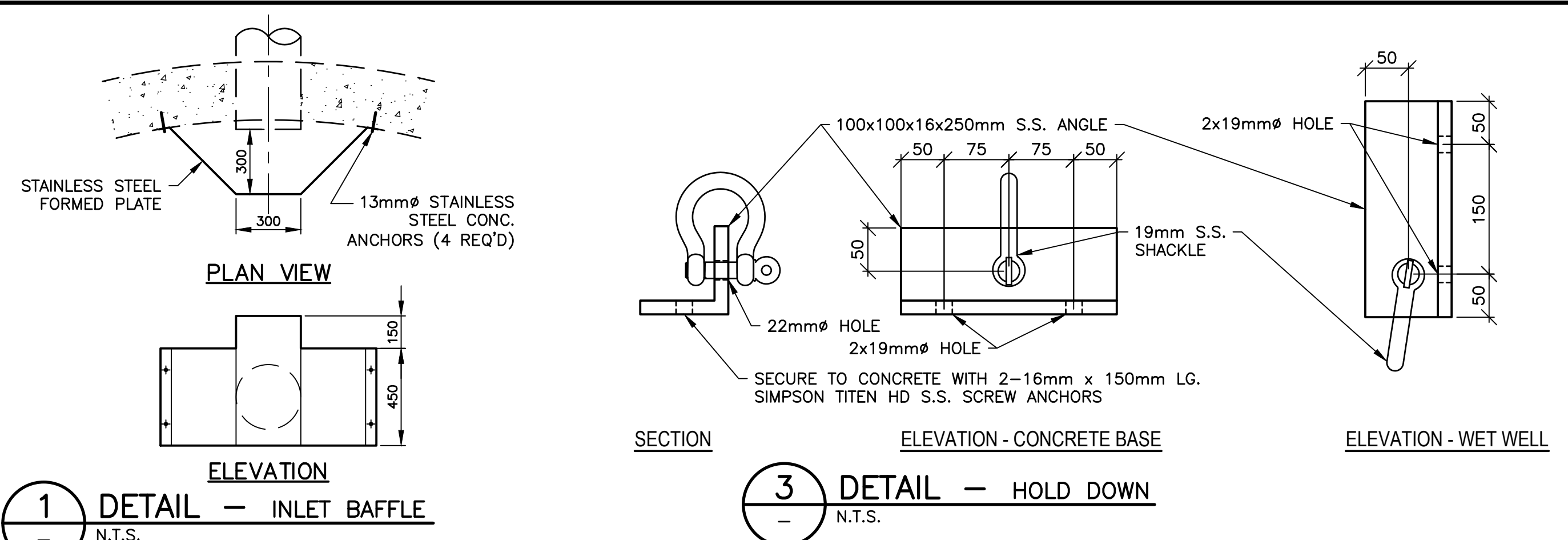
PAVEMENT MARKING & SIGNAGE PLAN

CBCL No 222617.00	Contract No 222617.00	Date MAR, 2023	Scale AS NOTED
Designed TSL	Checked MRM	Drawn TSL	Approved TSL
Sheet No 24 of 29		Drawing No	

**C24**

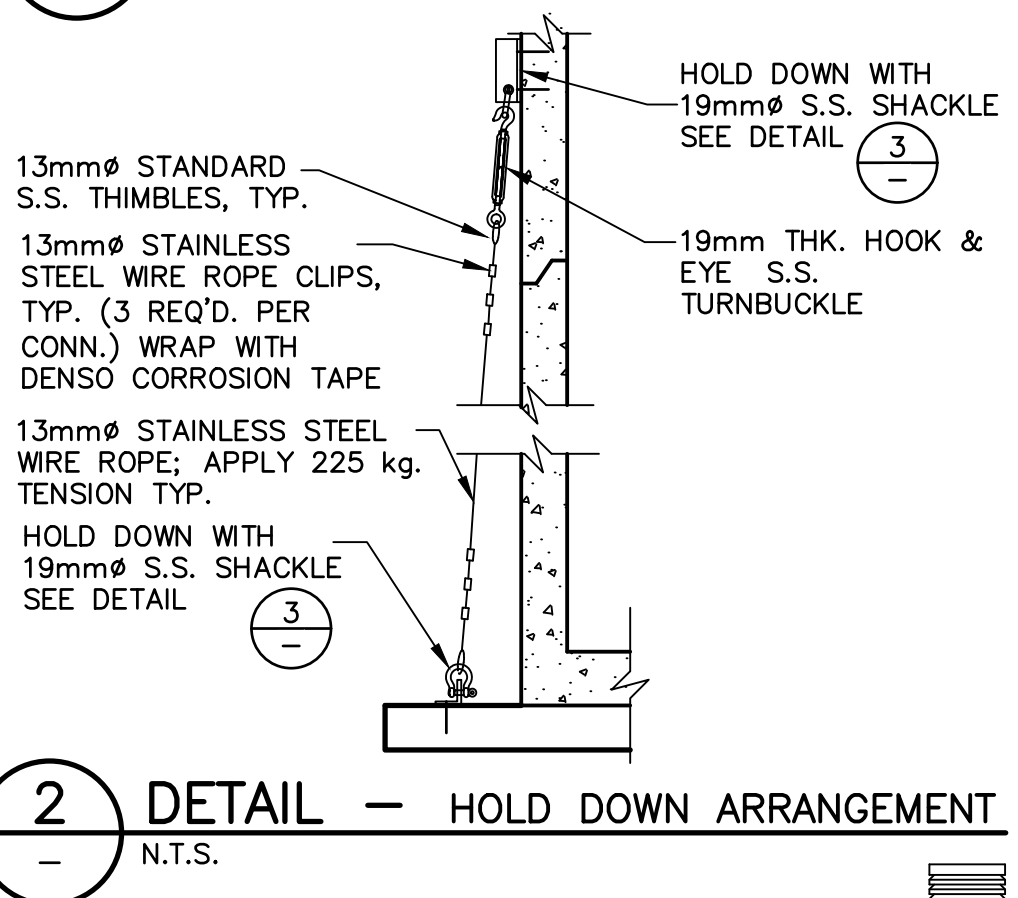


PLAN - LIFT STATION  
1:30

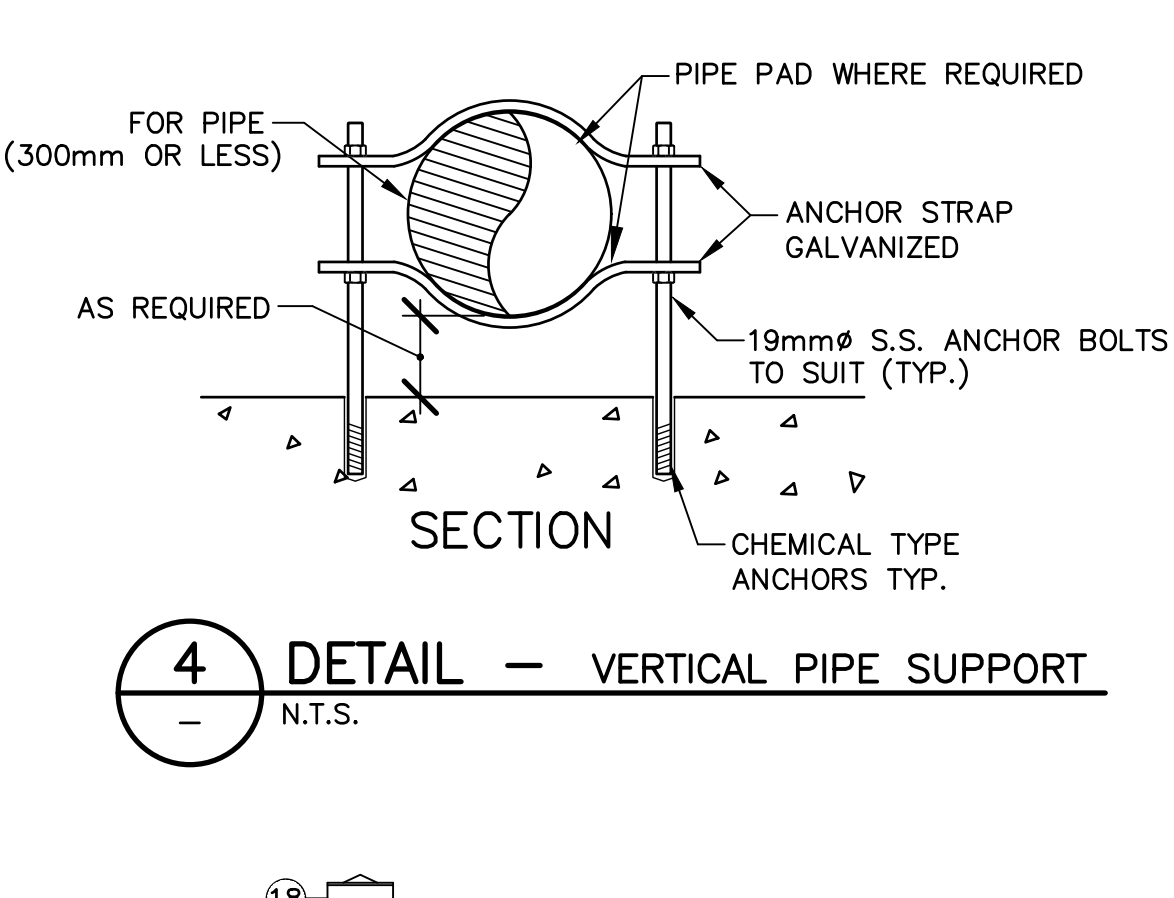


1 DETAIL - INLET BAFFLE  
N.T.S.

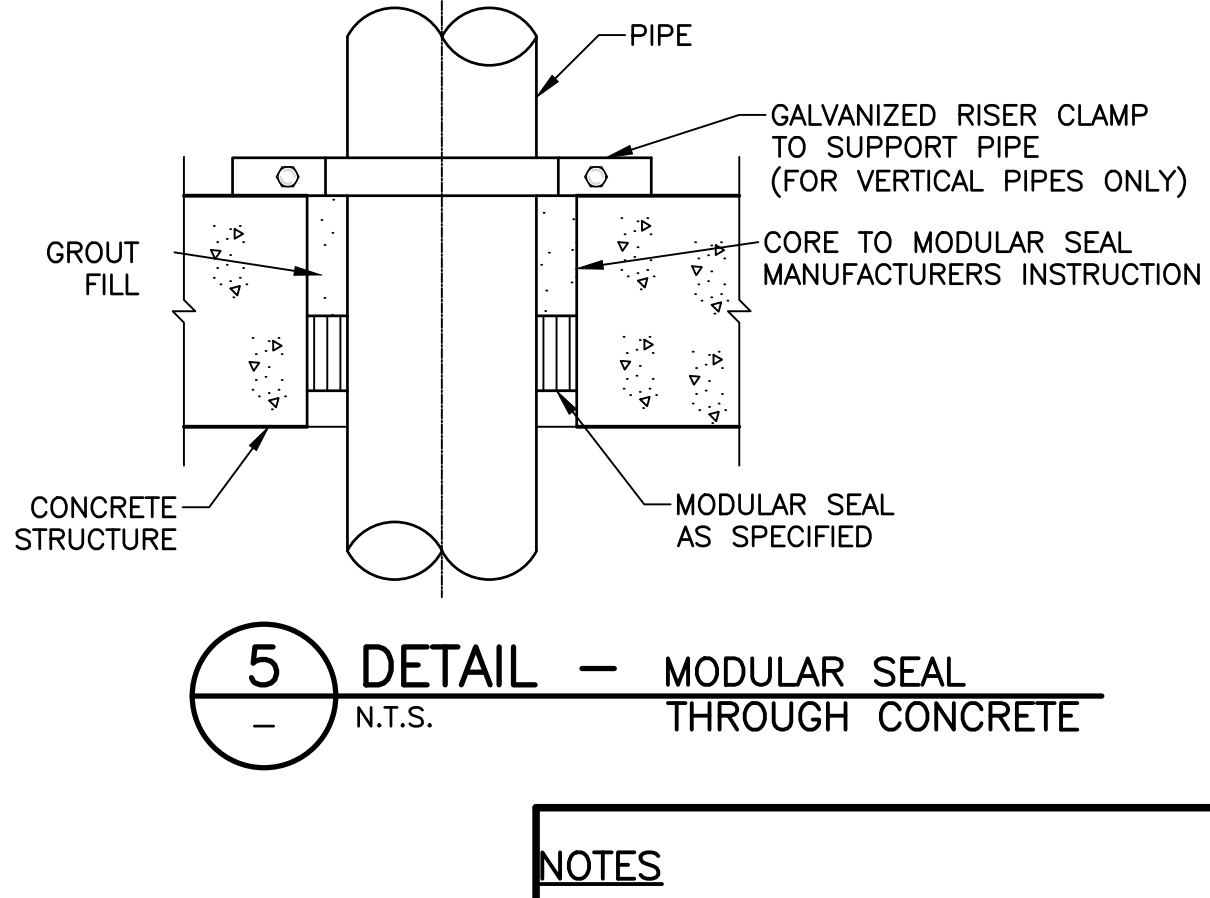
3 DETAIL - HOLD DOWN  
N.T.S.



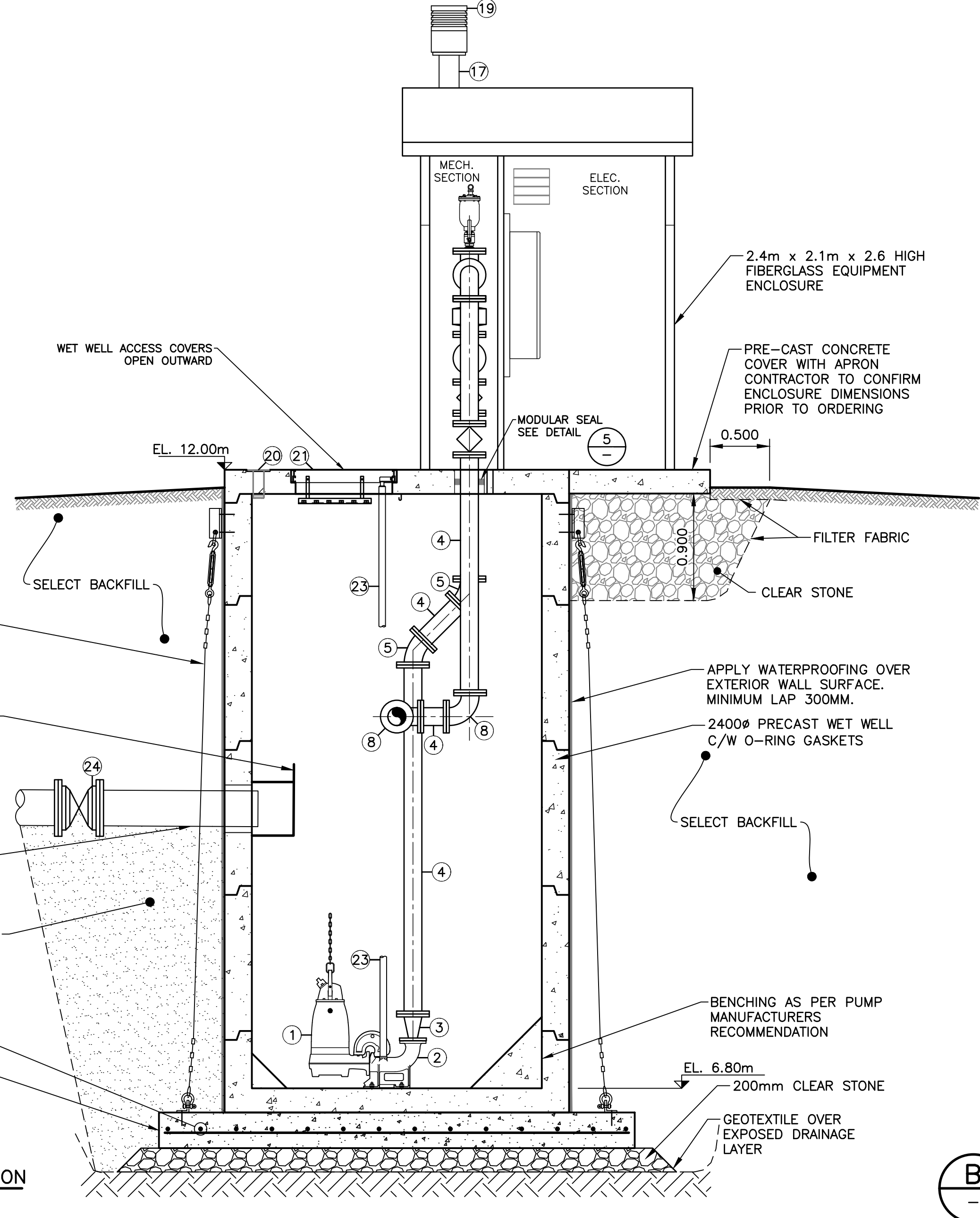
2 DETAIL - HOLD DOWN ARRANGEMENT  
N.T.S.



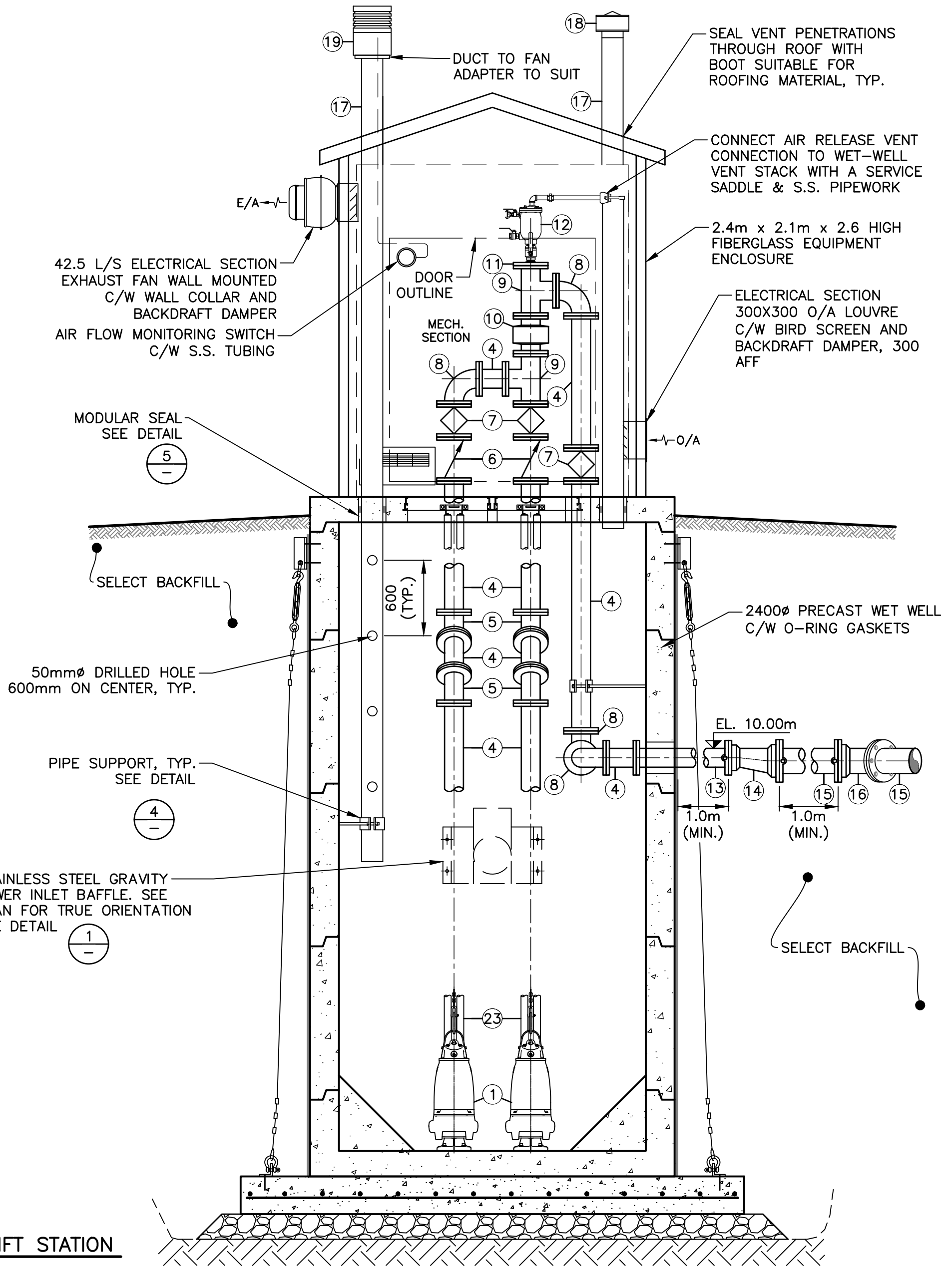
4 DETAIL - VERTICAL PIPE SUPPORT  
N.T.S.



5 DETAIL - MODULAR SEAL THROUGH CONCRETE  
N.T.S.



A SECTION - LIFT STATION  
1:30



B SECTION - LIFT STATION  
1:30

LIST OF FITTINGS		
No.	QTY.	DESCRIPTION
1	2	FLYGT MODEL NP-3153 SH276 SUBMERSIBLE PUMP. 17.2kW/23HP 600 VOLT, 3 PHASE. 26.2 L/S @ 24.1m T.D.H.
2	2	FLYGT DISCHARGE CONNECTION
3	2	150x75# DUCTILE IRON REDUCER (FLG.)
4	11	150# DUCTILE IRON MAKE UP PIECE (FLG.)
5	4	150# DUCTILE IRON 45° BEND (FLG.)
6	2	150# CHECK VALVE (FLG.)
7	3	150# PLUG VALVE (FLG.)
8	4	150# DUCTILE IRON 90° BEND (FLG.)
9	2	150# DUCTILE IRON TEE (FLG.)
10	1	150# MAGNETIC FLOWMETER
11	1	DUCTILE IRON BLIND FLANGE C/W 50mm TAPPING
12	1	50# SHORT BODY SEWAGE AIR RELEASE VALVE
13	1	150# DUCTILE IRON MAKE UP PIECE (FLG. x P.E.)
14	1	200x150# DUCTILE IRON ECCENTRIC REDUCER (RESTRAINED MJ)
15	1	200# PVC FORCEMAIN - SEE DRAWING C18
16	1	200# DUCTILE IRON 45° BEND (RESTRAINED MJ)
17	2	150# XFR DWV PVC PIPE (P.E.)
18	1	150# PUL-AIR STATIONARY VENTILATOR
19	1	150# DEXON SMDV2 PIPE MOUNTED VENTILATION FAN
20	1	DAVIT SOCKET SEE NOTE 2.
21	2	FLYGT SAFE-HATCH ACCESS COVER MODEL 13-430081
22	1	FLYGT MIX/FLUSH VALVE MODEL: 4901
23	2 SETS	50mm GALVANIZED GUIDE BARS C/W UPPER SUPPORTS
24	1	300# GATE VALVE (MJ) C/W VALVE BOX & RISER

- NOTES**
- SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.
  - COORDINATE SLEEVE & RECESS FOR DAVIT SOCKET WITH WET WELL COVER SUPPLY.

NOT FOR CONSTRUCTION

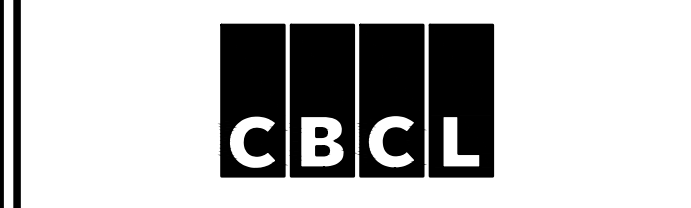
No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL



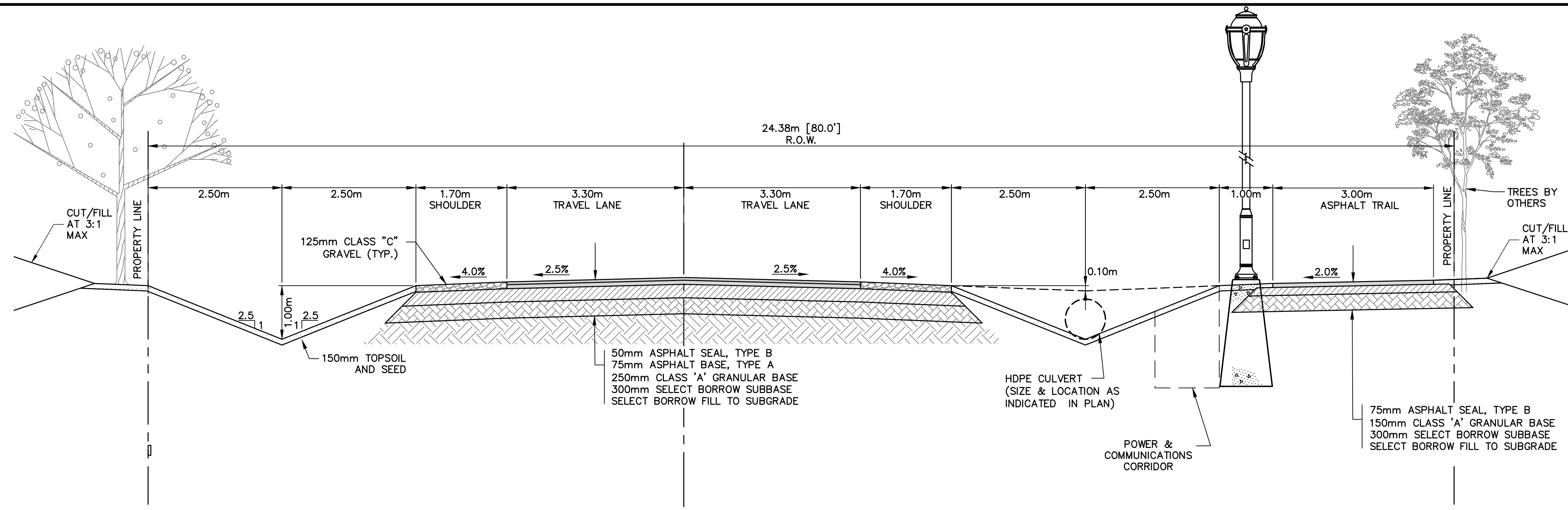
TOWN OF STRATFORD  
COMMUNITY CAMPUS

SITE SERVICING  
CIVIL

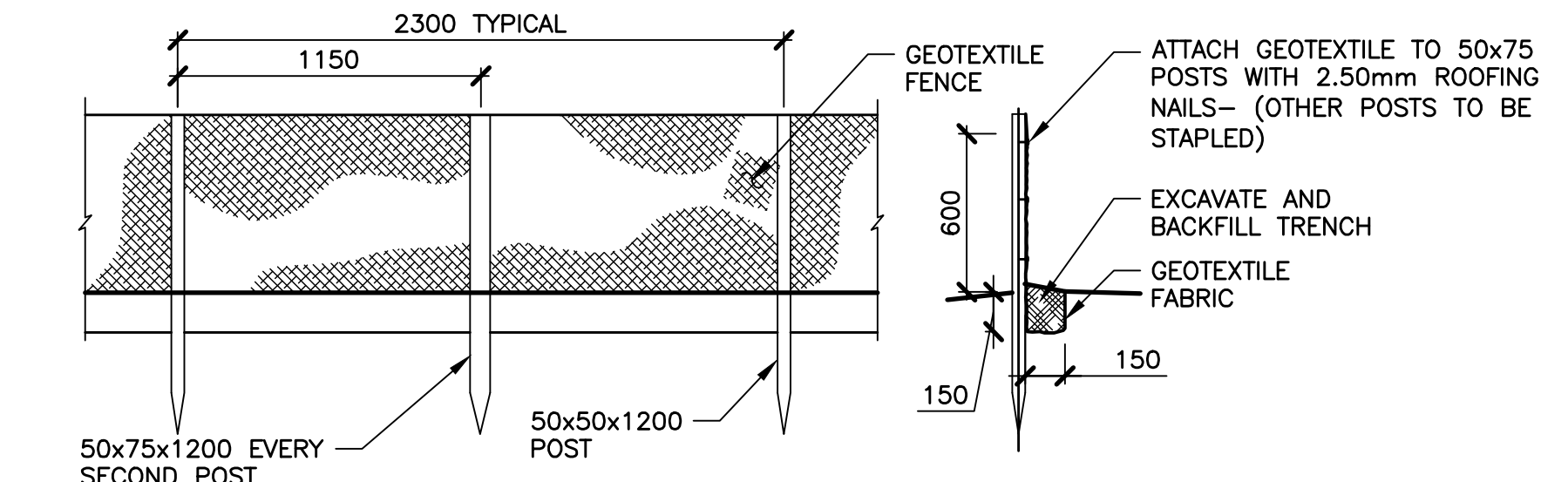
LIFT STATION  
PLAN & SECTIONS



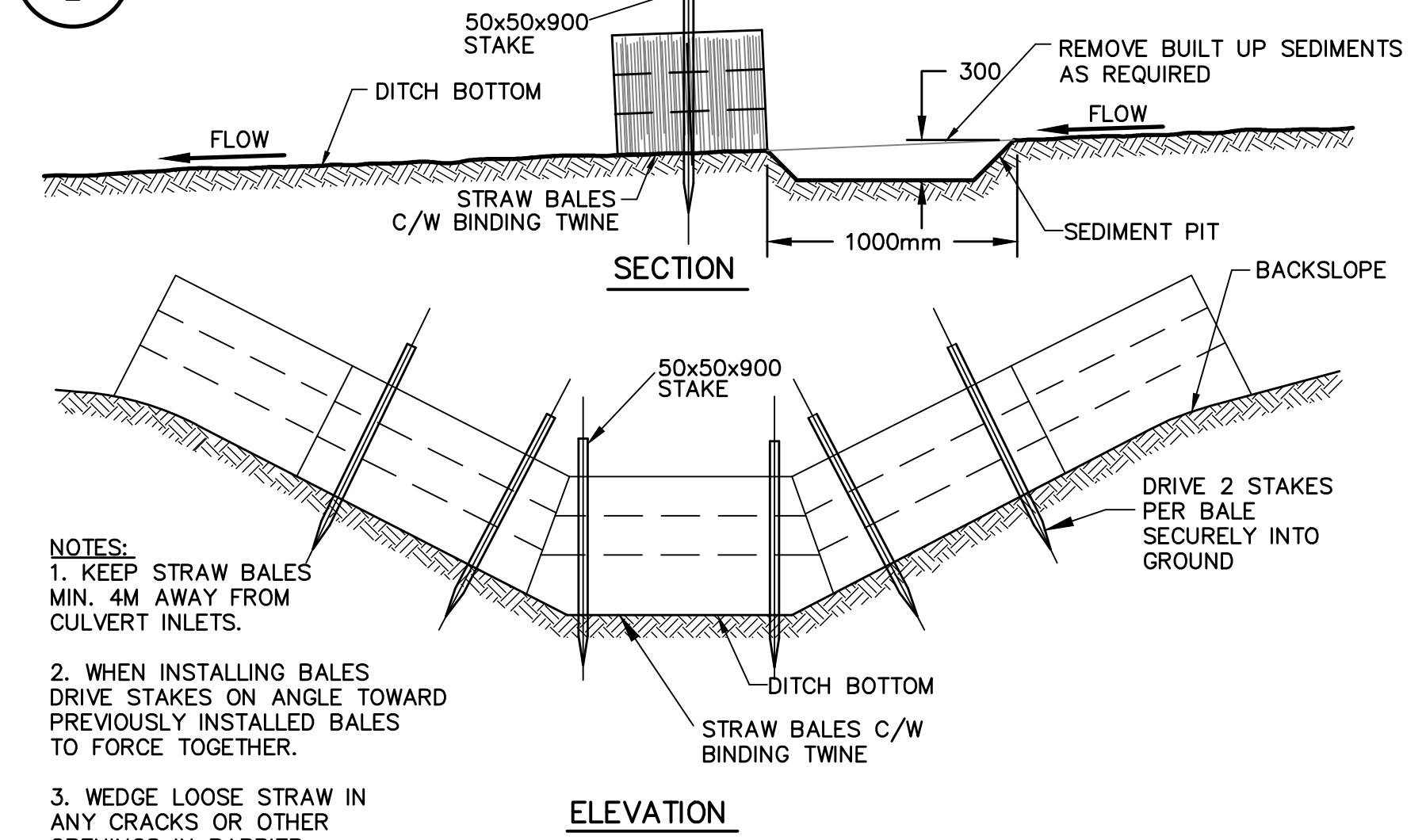
CBCL No. 222617.00	Contract No. 222617.00	Date MAR. 2023	Scale AS NOTED
Designed TSL	Drawn TSL	Checked DA	Approved TSL
Sheet No. 25	of 29	<b>C25</b>	



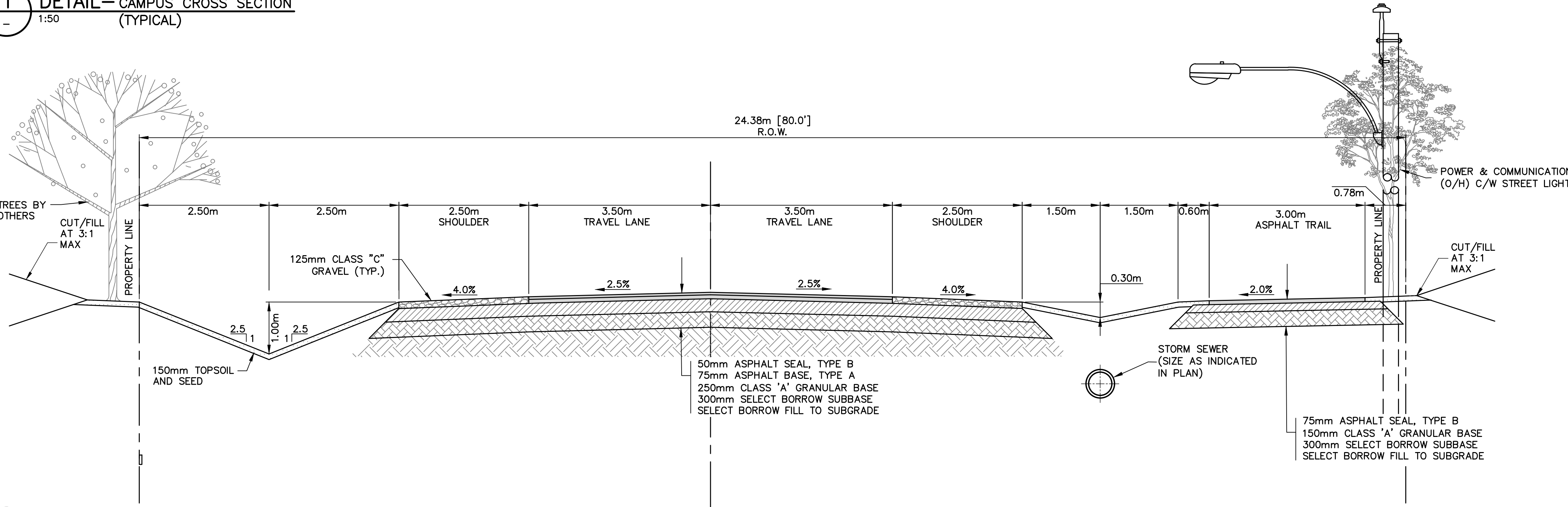
**1 DETAIL—CAMPUS CROSS SECTION**  
1:50 (TYPICAL)



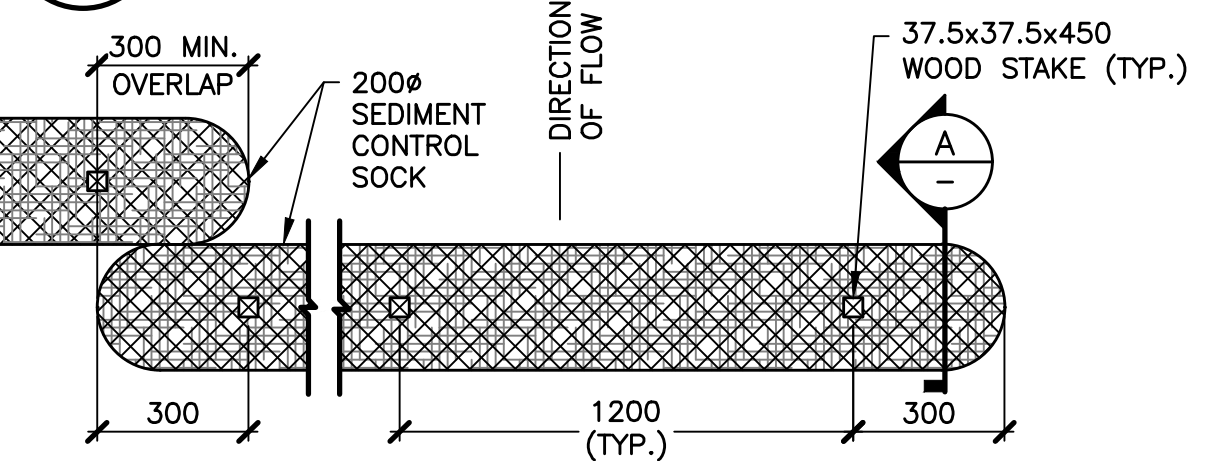
**4 DETAIL—SILT FENCE**  
N.T.S.



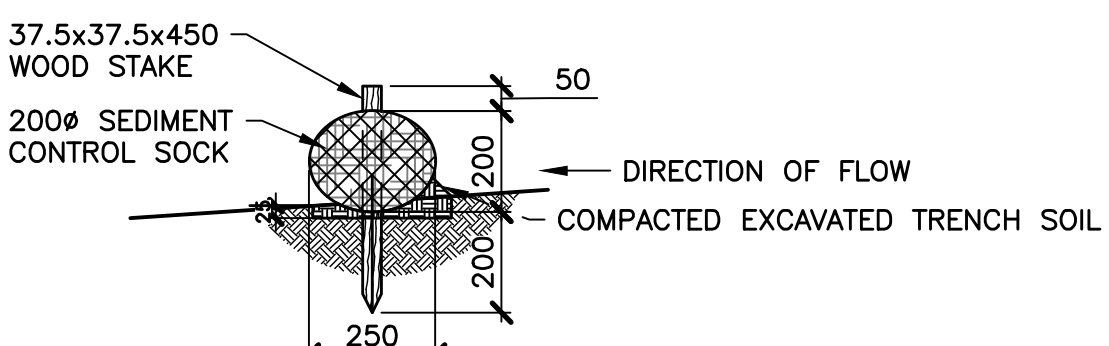
**5 DETAIL—STRAW BALE CHECK DAM**  
N.T.S.



**2 DETAIL—BUSINESS PARK CROSS SECTION**  
1:50 (TYPICAL)

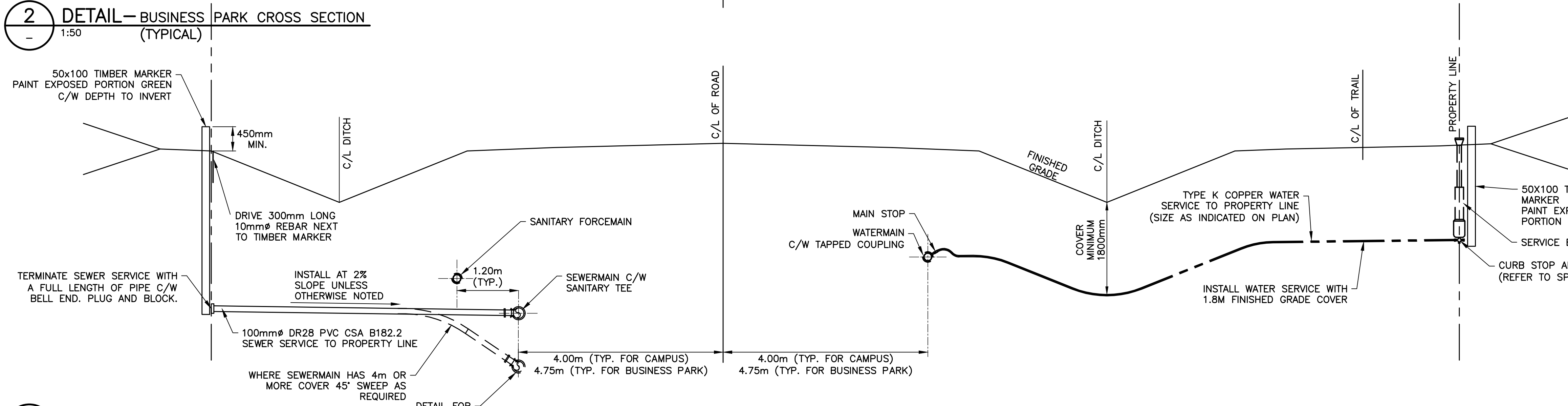


**PLAN**  
N.T.S.

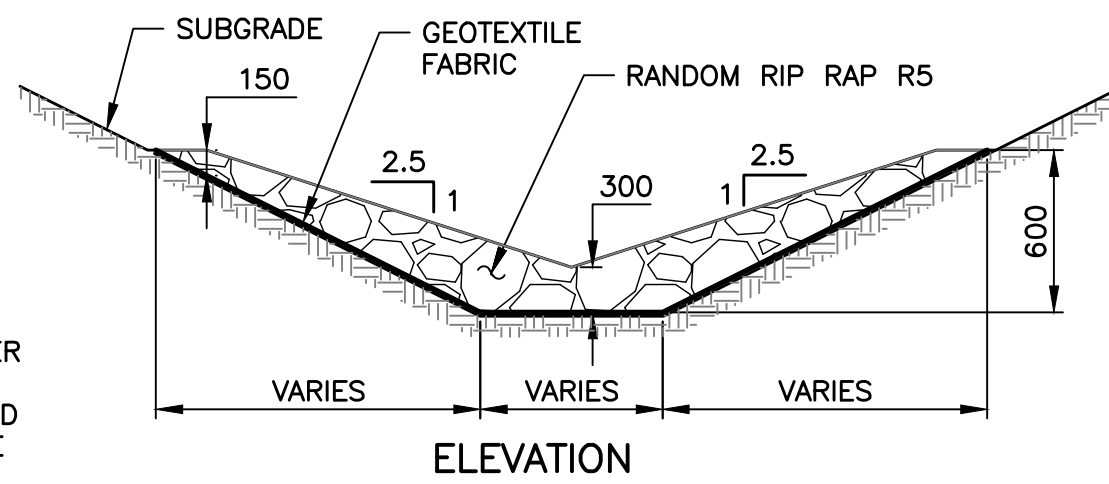


**A SECTION**  
N.T.S.

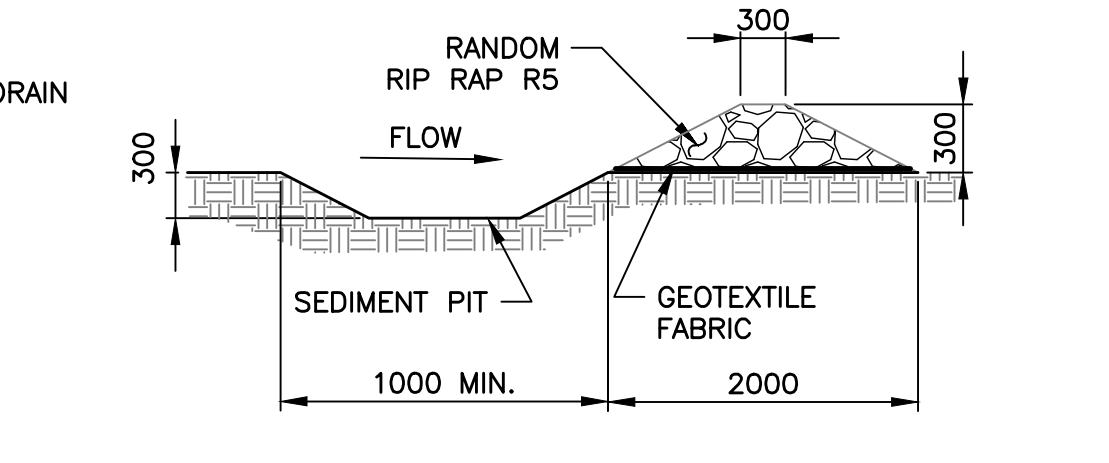
**6 DETAIL—SEDIMENT CONTROL SOCK**  
N.T.S.



**3 DETAIL—SERVICING CROSS SECTION**  
1:50 (TYPICAL)



**ELEVATION**



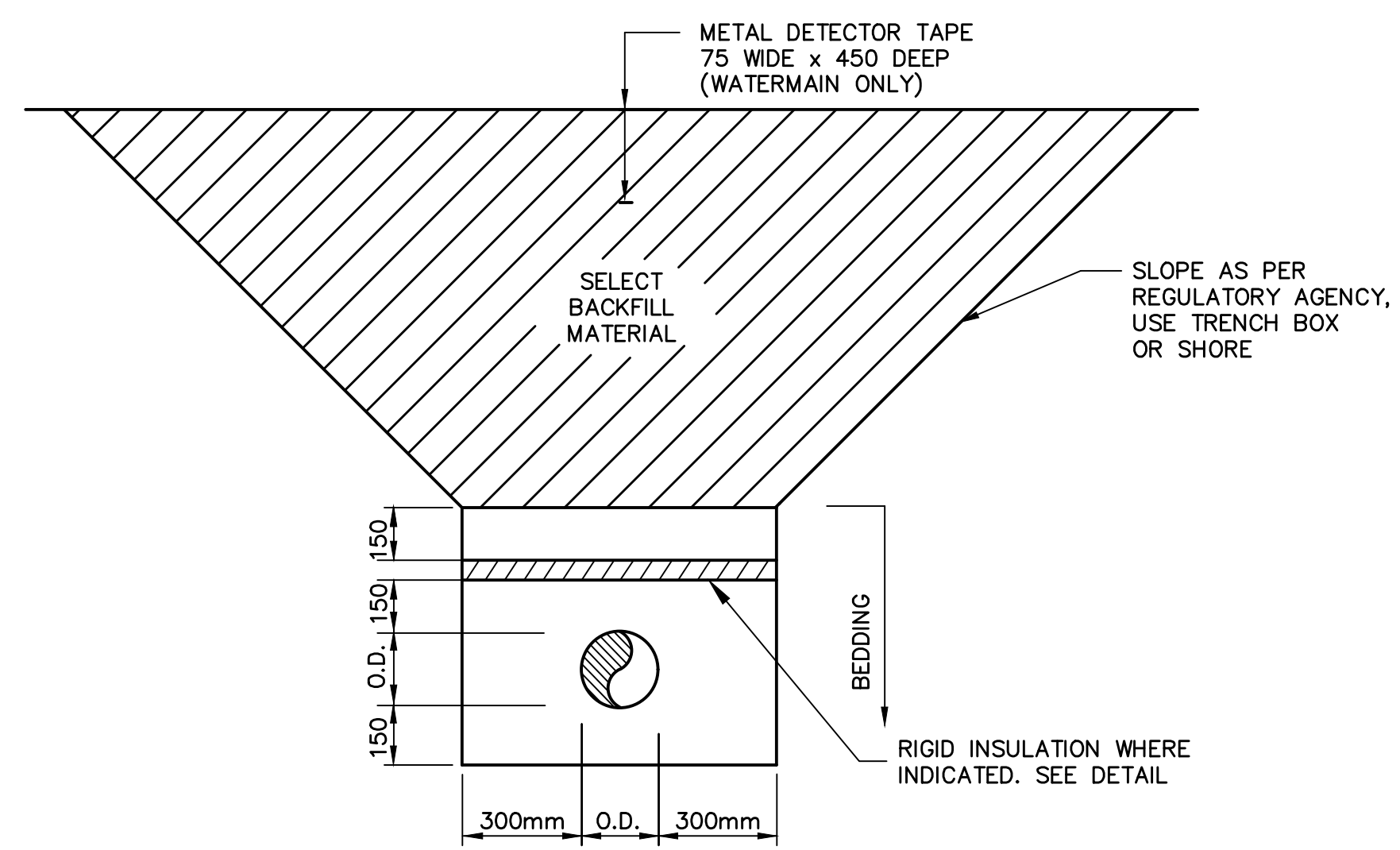
**SECTION**

**7 DETAIL—RIP RAP CHECK DAM**  
N.T.S.

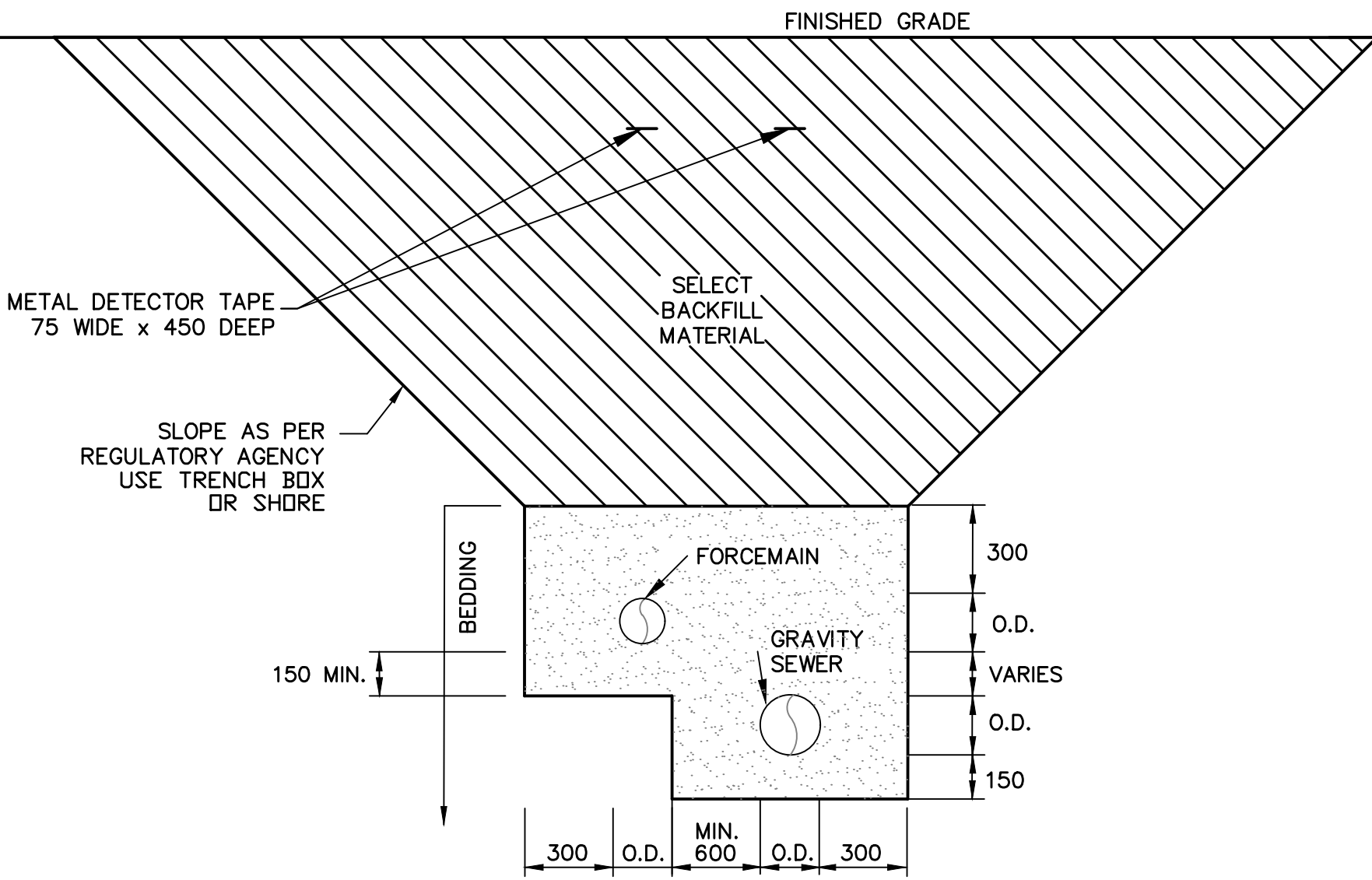
<b>NOT FOR CONSTRUCTION</b>			
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL
No.	Description	Date	By
Revision or Issue			

**TOWN OF STRATFORD**  
**COMMUNITY CAMPUS**  
 SITE SERVICING  
 CIVIL  
**DETAILS NO. 1**

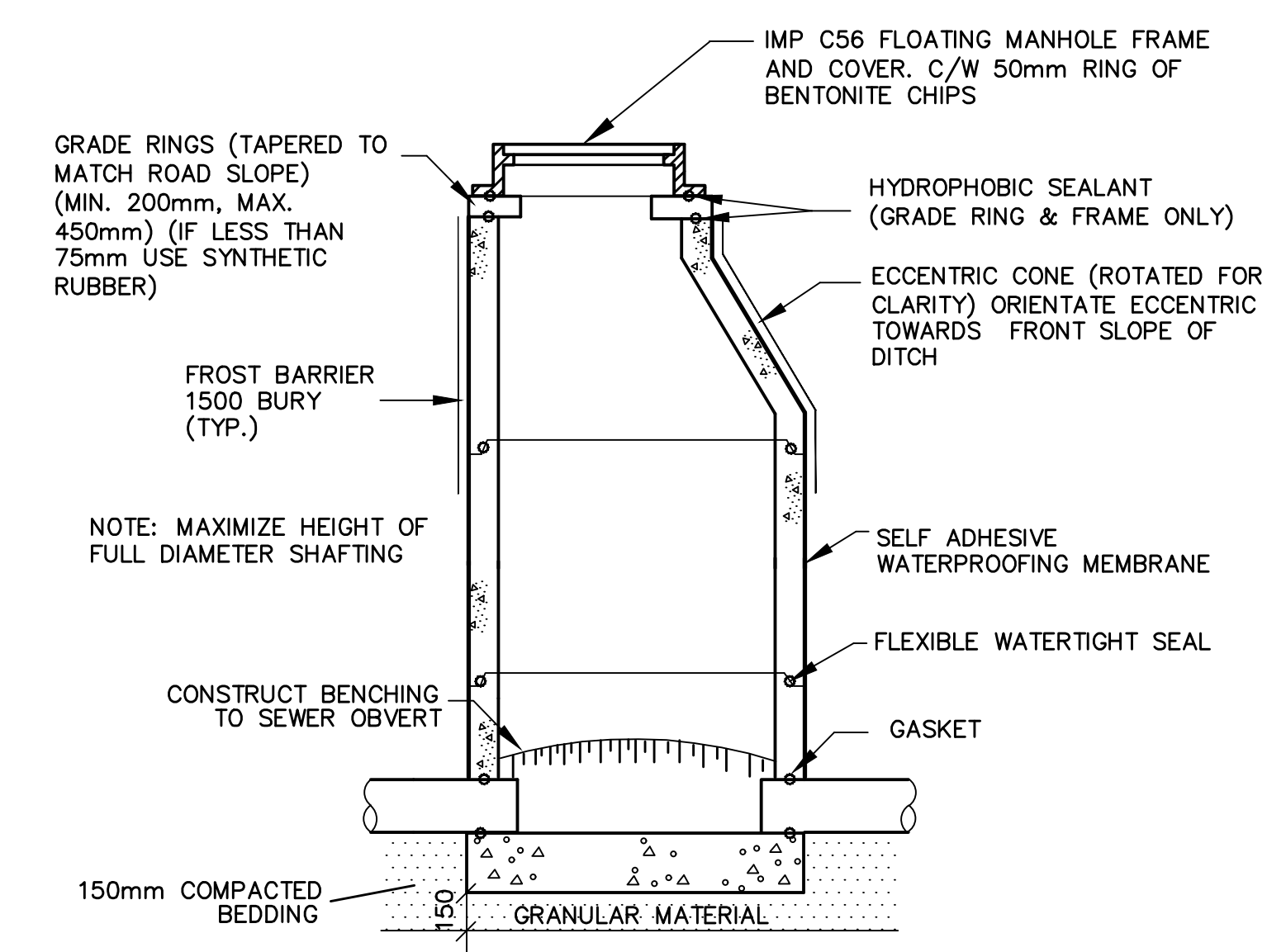
Contract No. 222617.00 Date MAR, 2023 Scale AS NOTED  
 Designed TSL Drawn DRC  
 Checked PSH Approved TSL  
 Sheet No. 26 of 29 Drawing No.  
**C26**



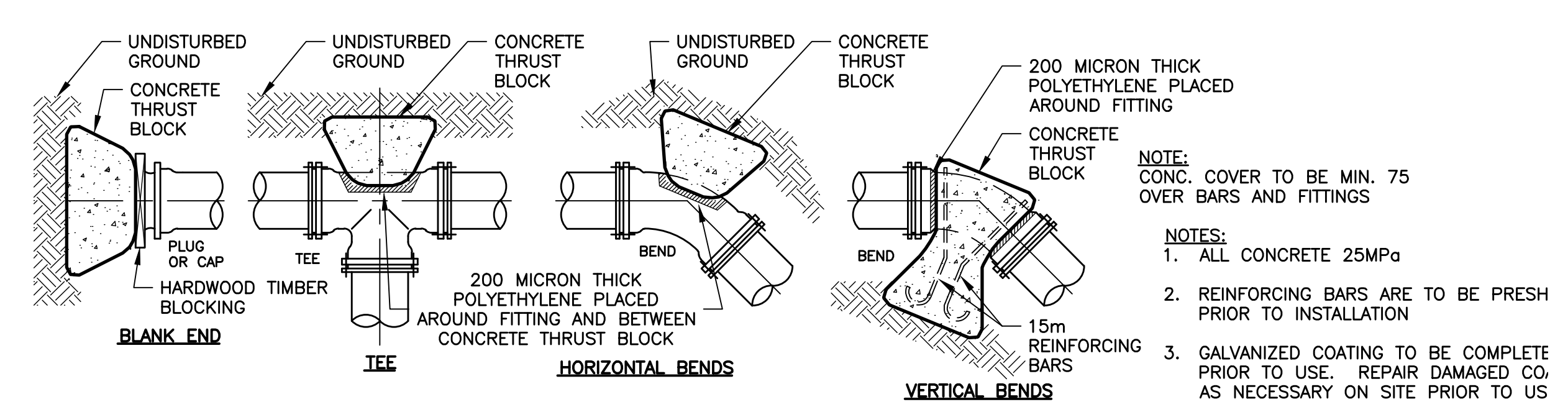
**8** DETAIL—SINGLE PIPE TRENCH  
N.T.S.



**9** DETAIL—TWO PIPE TRENCH  
N.T.S.



**10** DETAIL—ECCENTRIC CONE MANHOLE  
N.T.S.



**MINIMUM CONTACT AREAS FOR CONC. THRUST BLOCKS**

PIPE #	AREA m <sup>2</sup> FOR SOIL SUPPORTING CAPACITY OF 100 kPa	90° BEND	45° BEND	22.5° BEND	1.25° BEND
100	0.25	0.25	0.32	0.20	0.16
150	0.48	0.48	0.64	0.40	0.24
200	0.80	0.80	1.12	0.64	0.32
250	1.28	1.28	1.76	0.96	0.48
300	1.76	1.76	2.56	1.44	0.72

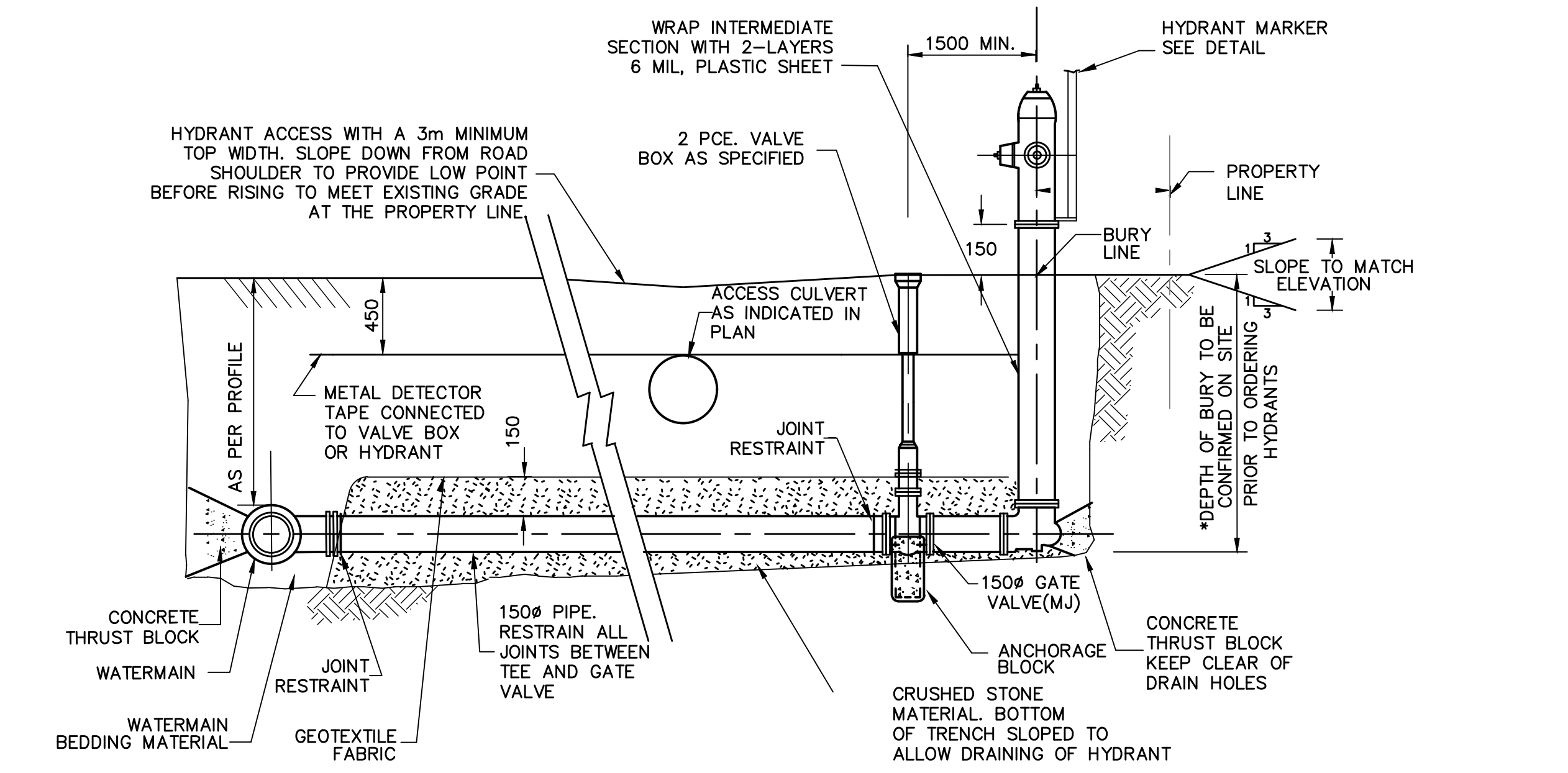
**MINIMUM DISTANCE FROM FITTING TO UNDISTURBED GROUND**

PIPE #	mm
100	450
150	450
200	450
250	600
300	750

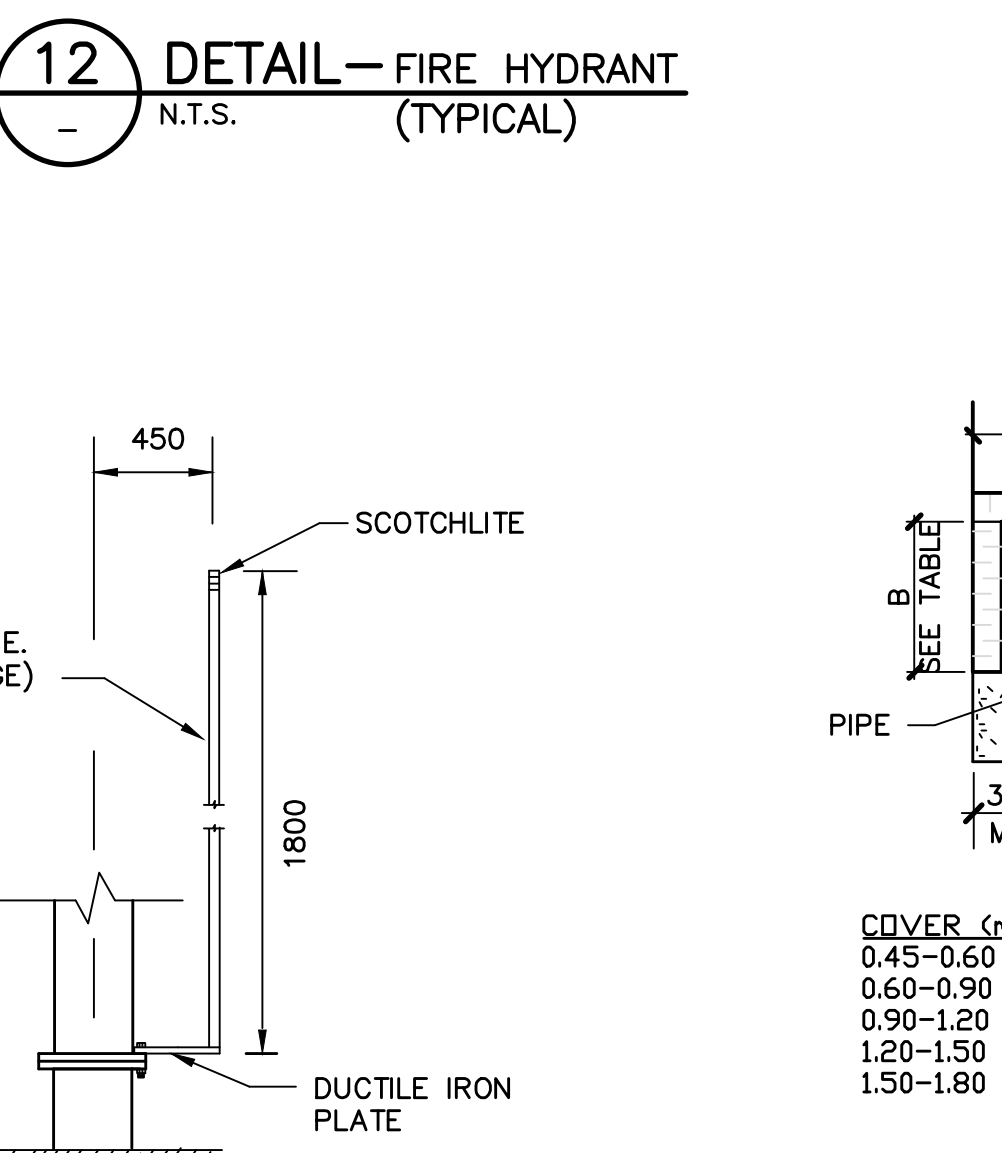
**VERTICAL THRUST BLOCKS THRUST COMPENSATED FOR BY MASS OF CONCRETE (m<sup>3</sup>)**

PIPE #	45° BEND	22.5° BEND	1.25° BEND
100	0.40	0.20	0.20
150	0.80	0.40	0.40
200	1.40	0.70	0.70
250	2.10	1.10	1.10
300	3.00	1.50	1.50

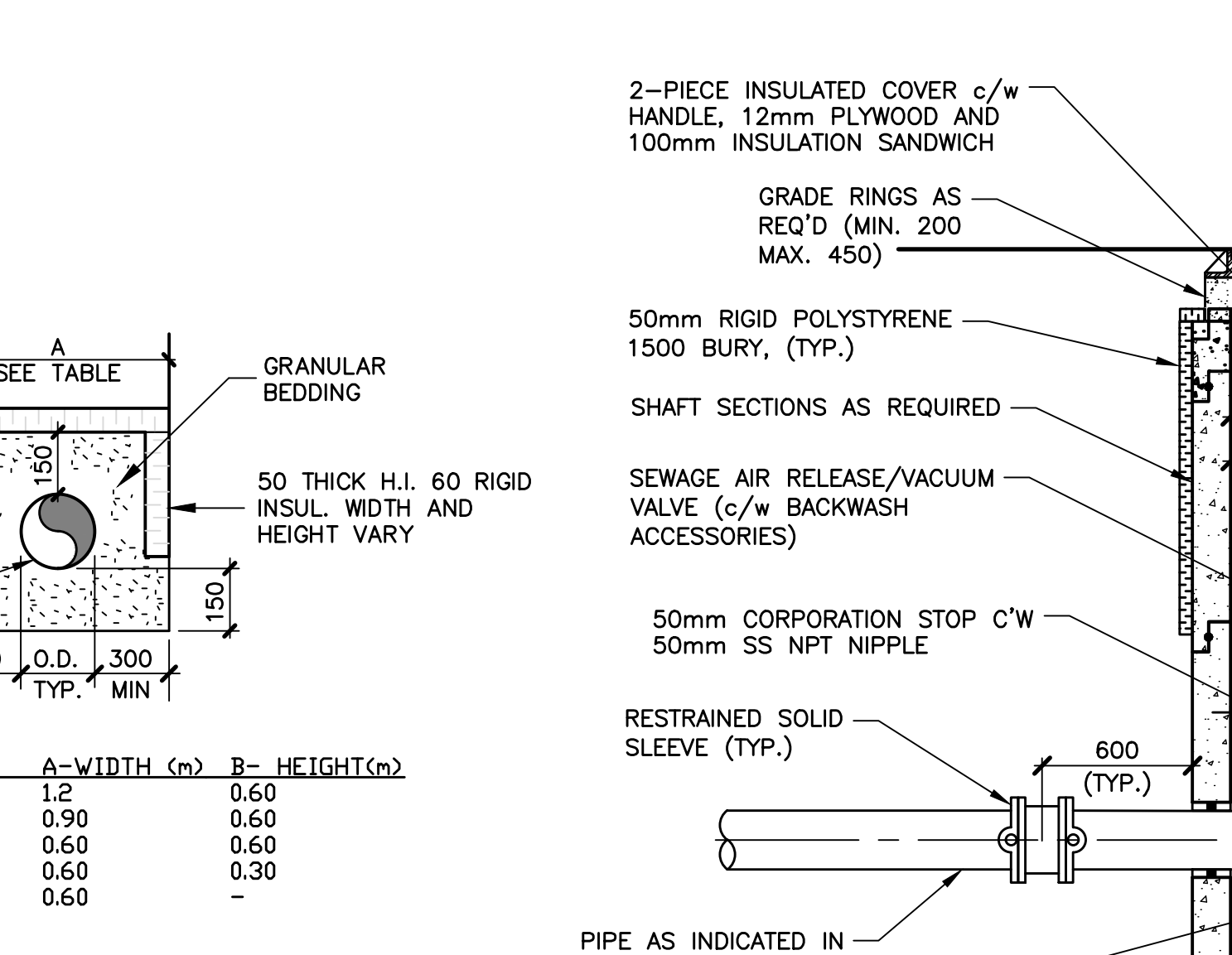
**11** DETAIL—THRUST BLOCK DETAIL  
N.T.S.



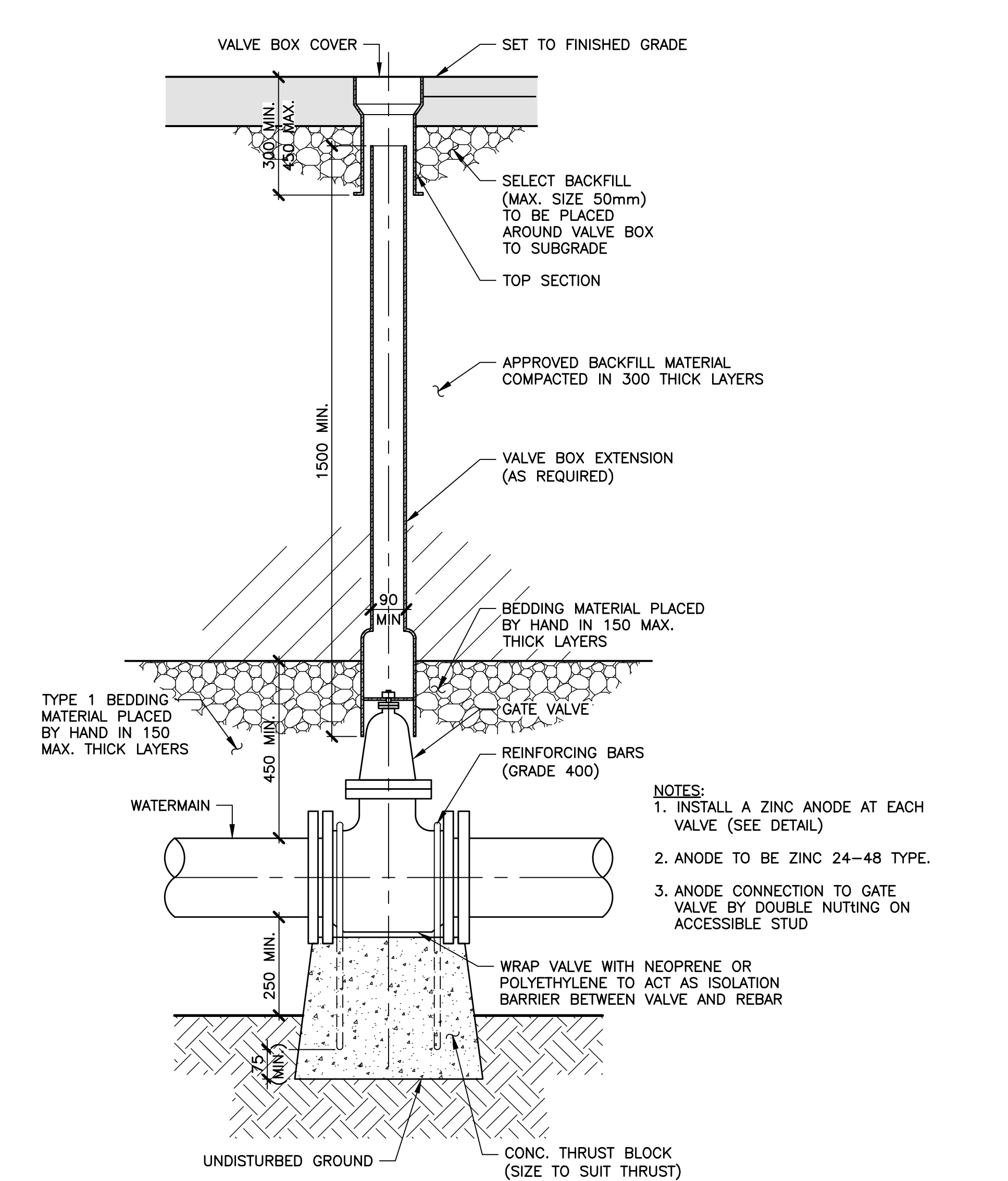
**12** DETAIL—FIRE HYDRANT (TYPICAL)  
N.T.S.



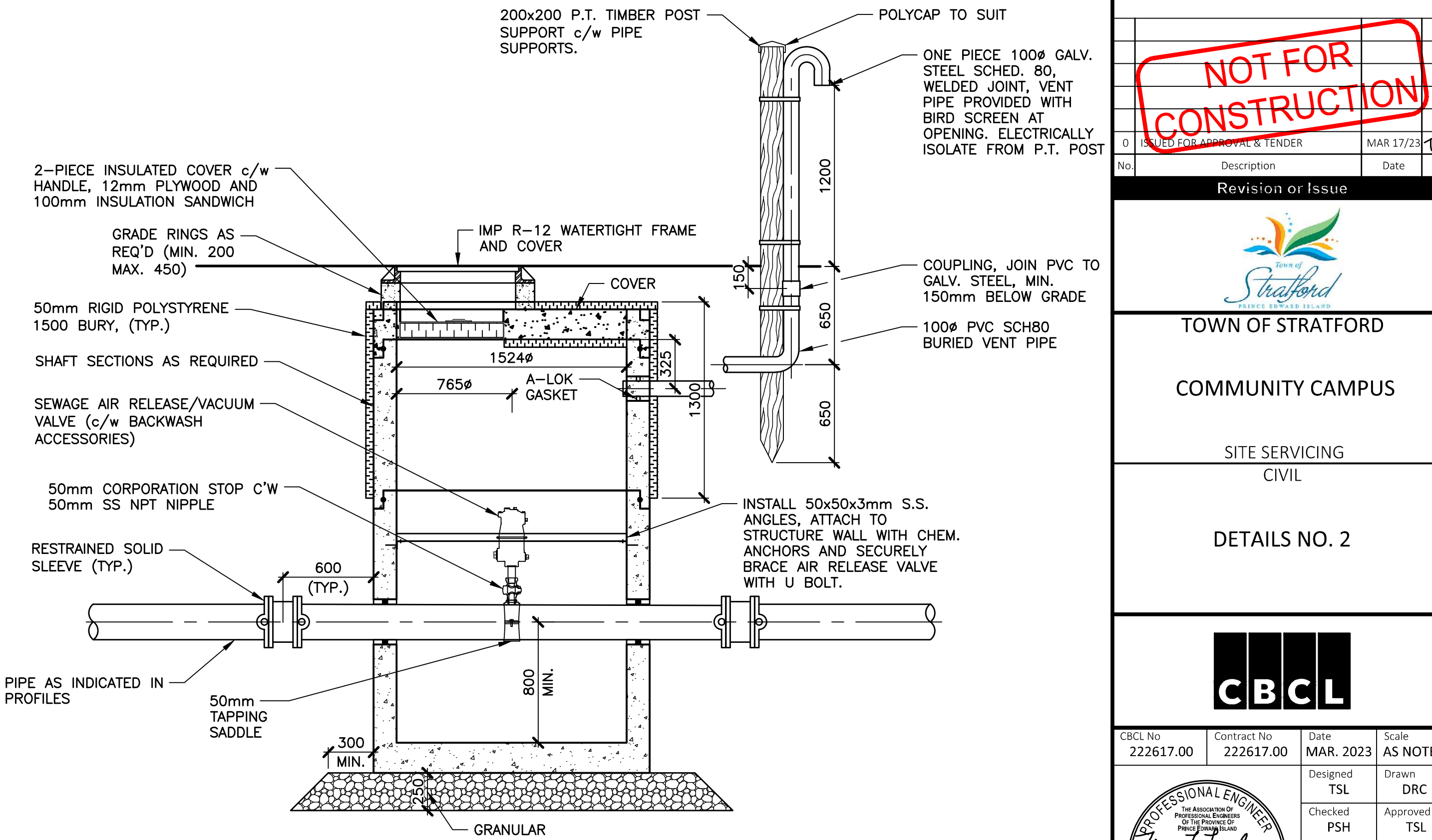
**13** DETAIL—HYDRANT MARKER  
N.T.S.



**14** DETAIL—PIPE INSULATION  
N.T.S.



**15** DETAIL—GATE VALVE & BOX  
N.T.S.



**16** DETAIL—AIR RELEASE VALVE & CHAMBER  
N.T.S.

**NOT FOR CONSTRUCTION**

Contract No. 222617.00 Date MAR. 2023 Scale AS NOTED

Designed TSL Drawn DRC

Checked PSH Approved TSL

Sheet No. 27 of 29

Drawing No. C27

**TOWN OF STRATFORD**

**COMMUNITY CAMPUS**

**SITE SERVICING CIVIL**

**DETAILS NO. 2**

**CBCL**

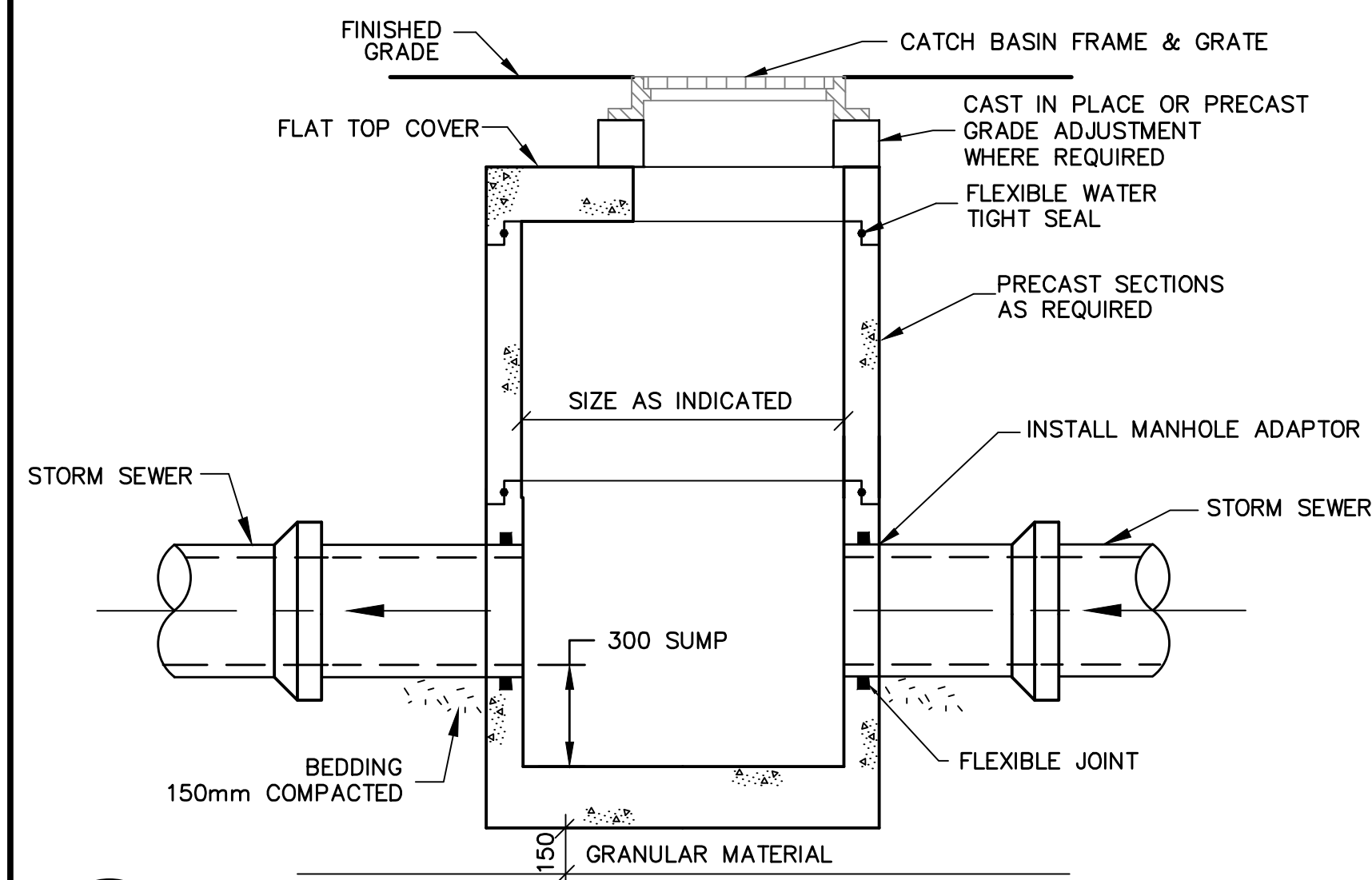
Contract No. 222617.00 Date MAR. 2023 Scale AS NOTED

Designed TSL Drawn DRC

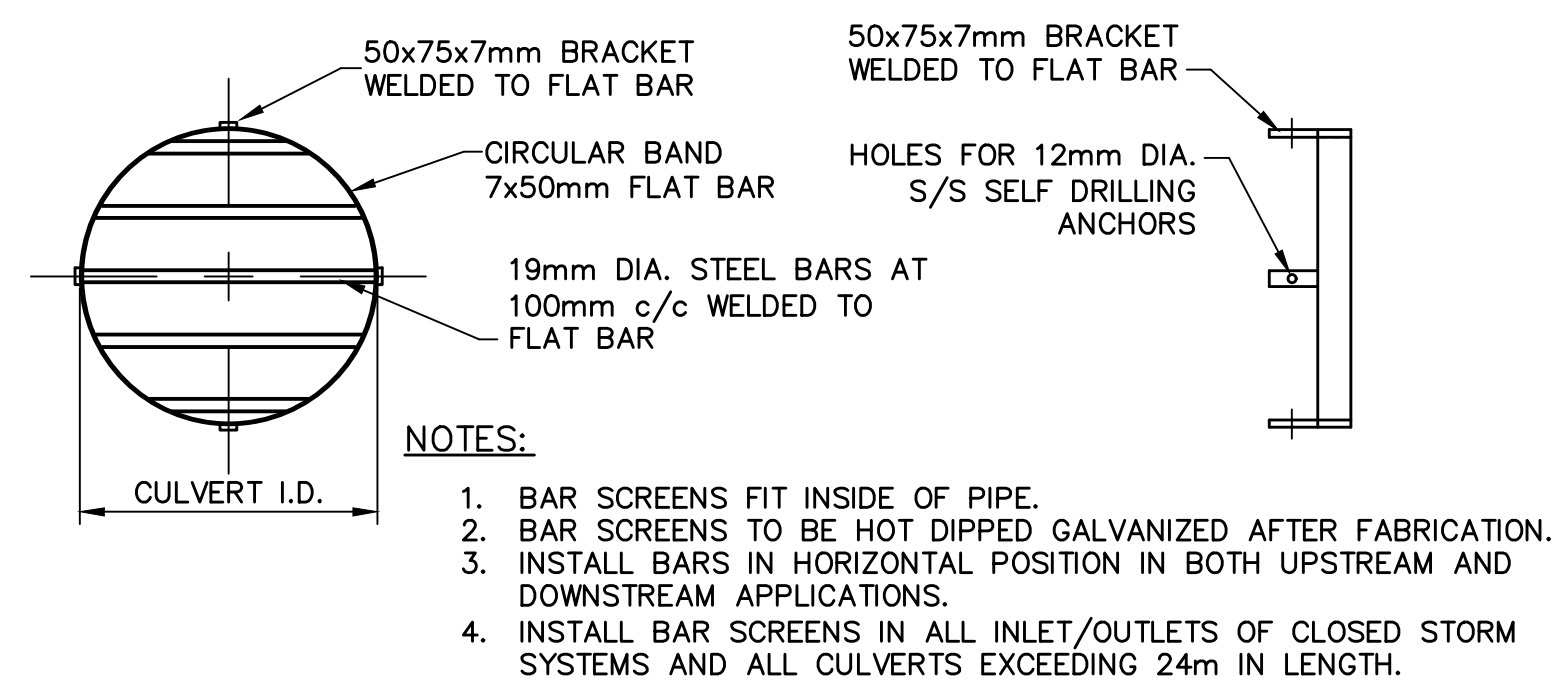
Checked PSH Approved TSL

Sheet No. 27 of 29

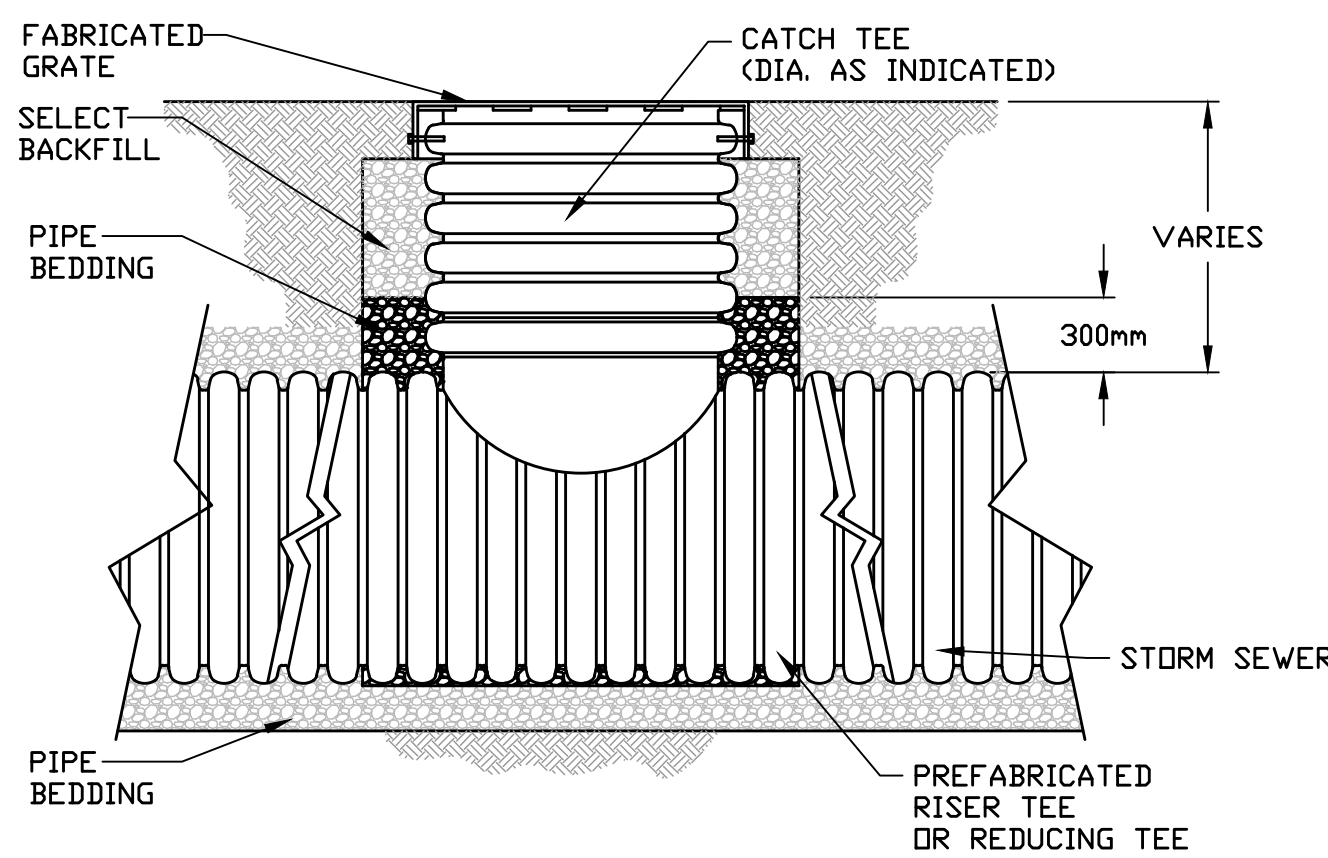
Drawing No. C27



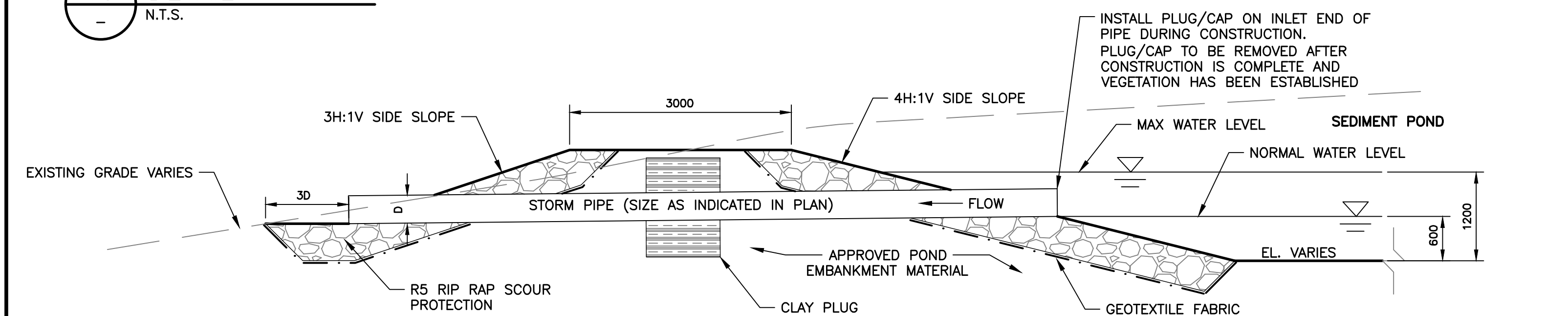
**17** DETAIL—CATCH BASIN  
N.T.S.



**18** DETAIL—BAR SCREEN  
N.T.S.

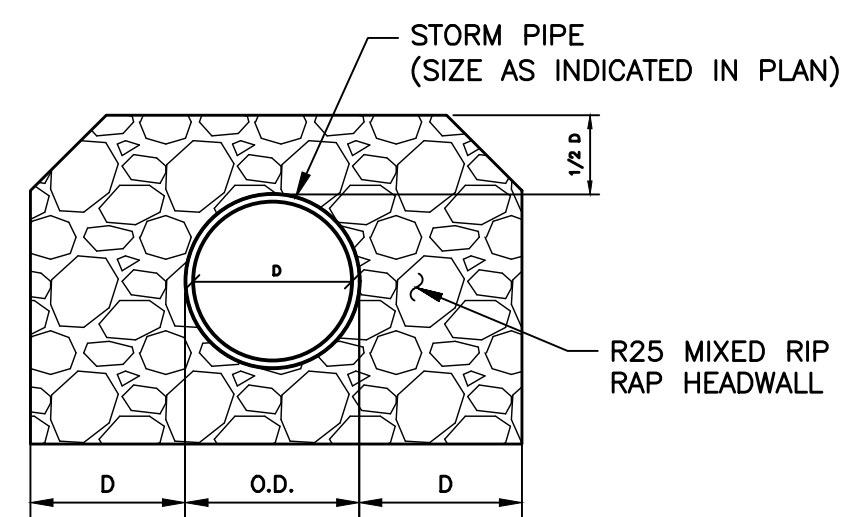


**19** DETAIL—CATCH TEE  
N.T.S.

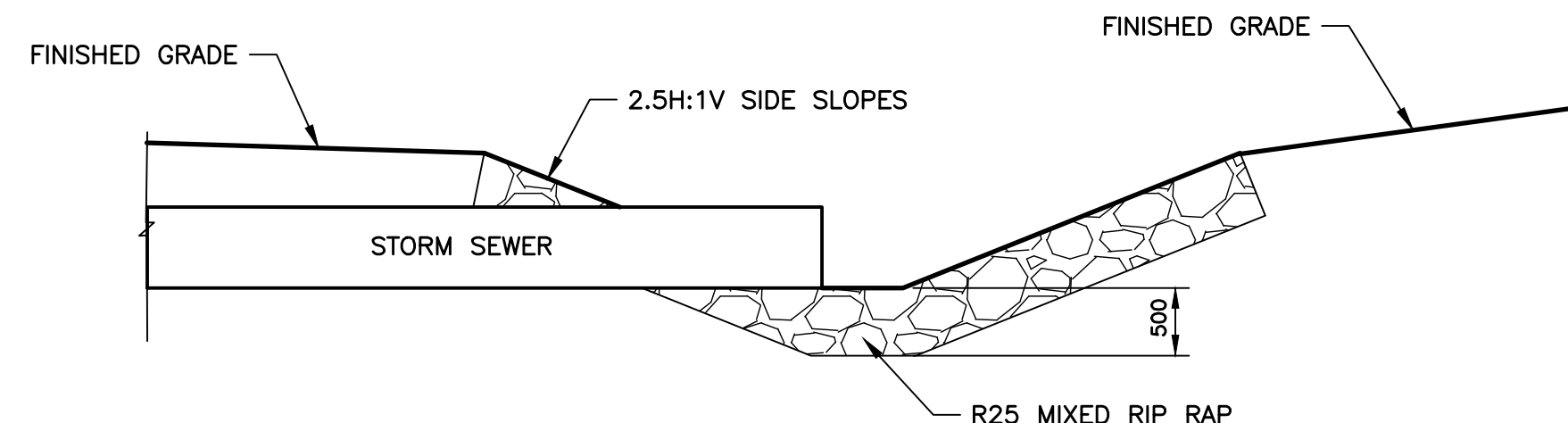


**20** DETAIL—SEDIMENT POND OUTLET  
N.T.S.

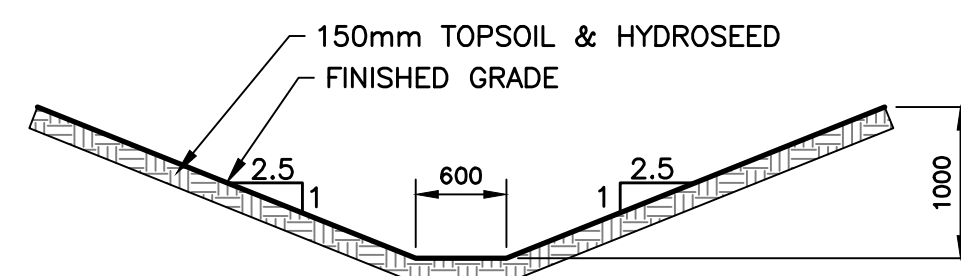
- CLAY PLUG NOTES:**
1. CLAY PLUGS TO BE PLACED AT MID POINT OF FULL LENGTH OF PIPE.
  2. CLAY PLUG TO BE A MINIMUM OF 1.0m LONG AND A MINIMUM OF 450mm ON ALL SIDES OF THE PIPE.
  3. CLAY PLUG MUST EXTEND BEYOND BEDDING MATERIALS IN ALL DIRECTIONS.
  4. CLAY TO BE FREE OF BEDDING AND OTHER FOREIGN MATERIAL.
  5. CLAY TO BE COMPACTED AND TO BE FREE FROM SEAMS AND VOIDS.



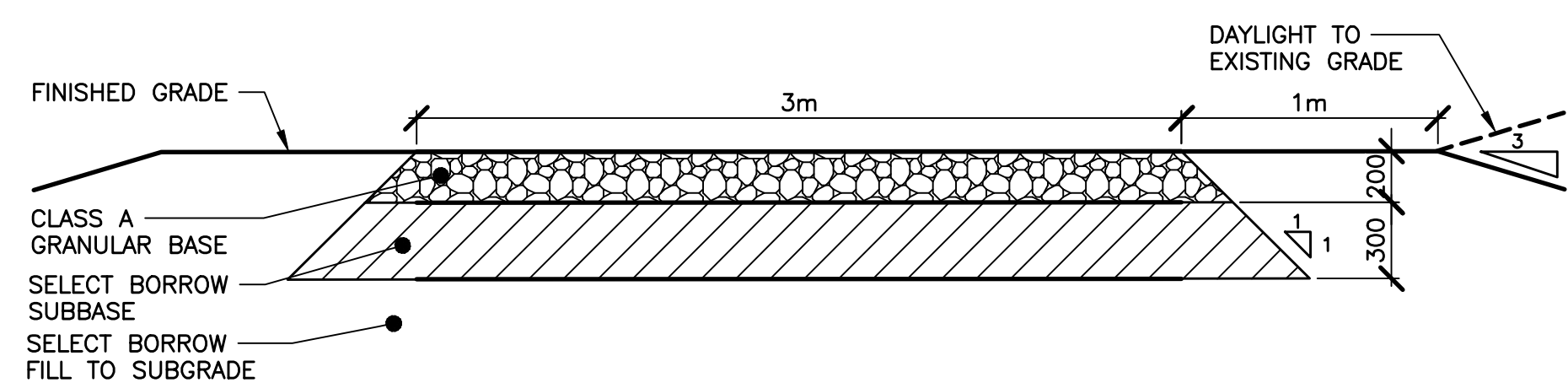
**21** DETAIL—RIP RAP HEADWALL ELEVATION  
N.T.S.



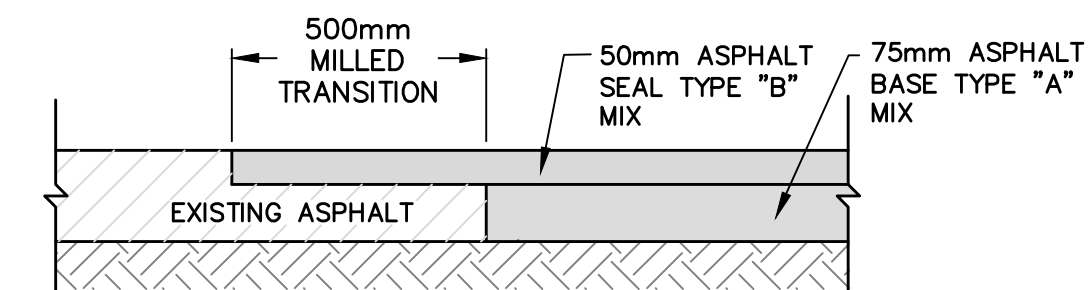
**22** DETAIL—RIP RAP HEADWALL SECTION  
N.T.S.



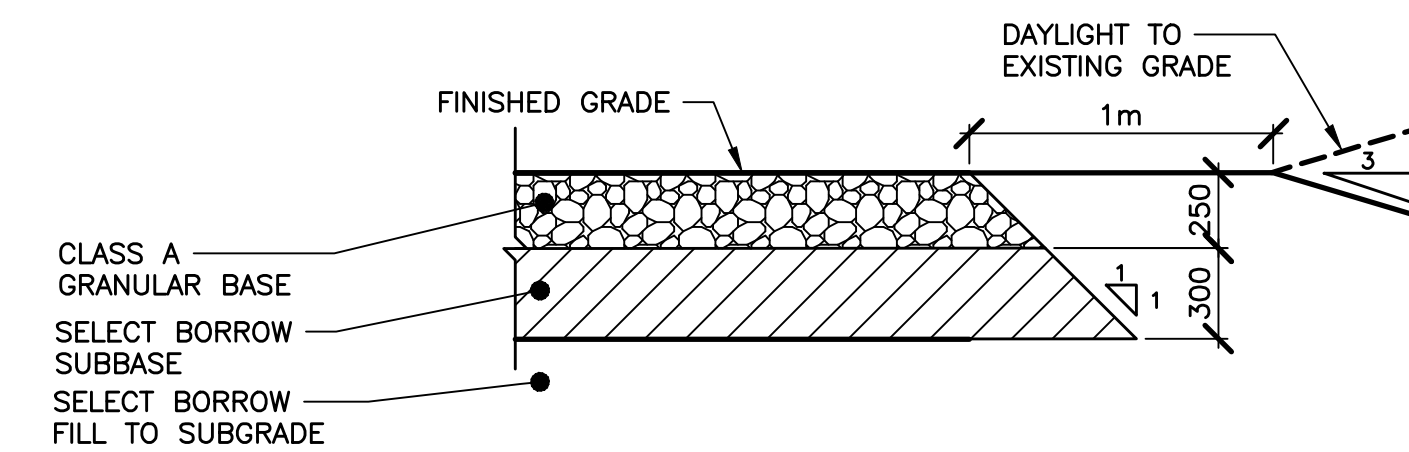
**23** DETAIL—DRAINAGE SWALE  
N.T.S.



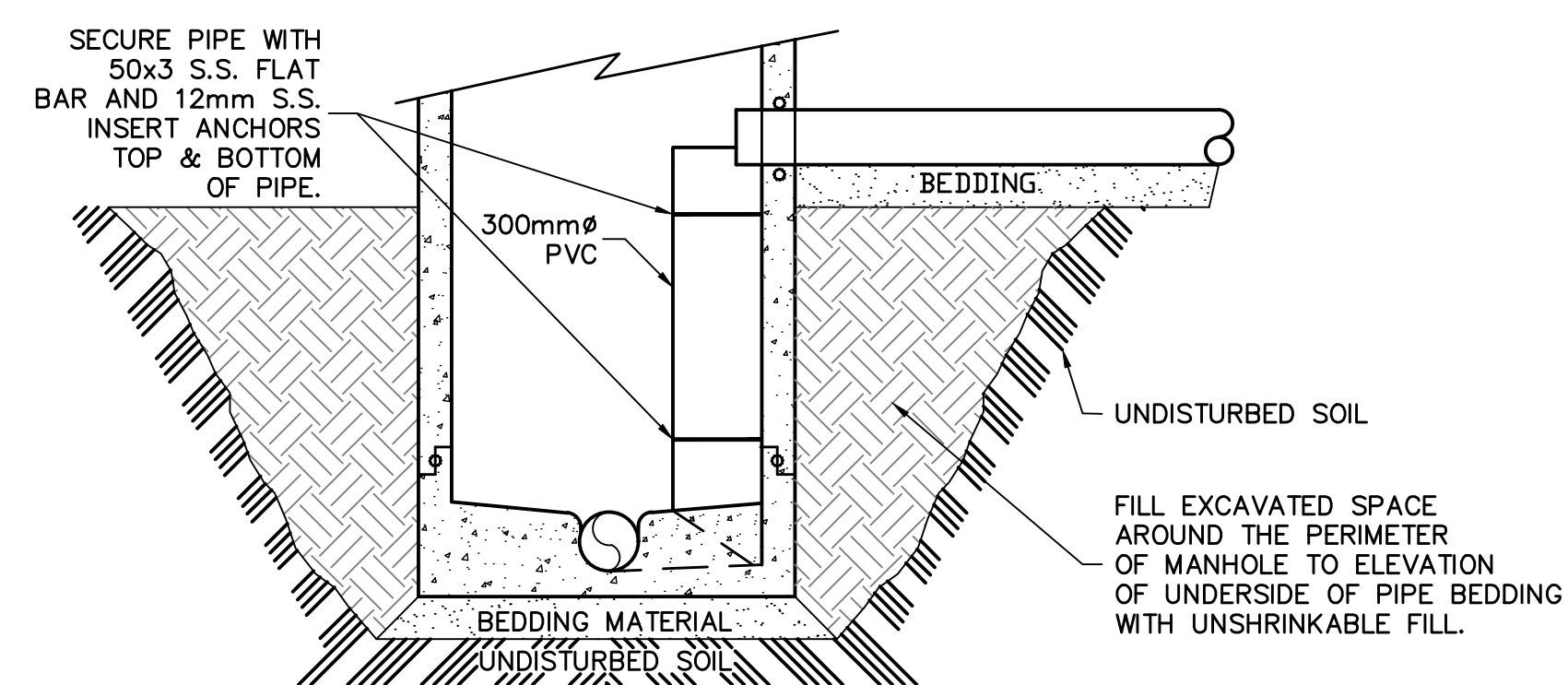
**24** DETAIL—PUMP STATION ACCESS  
N.T.S.



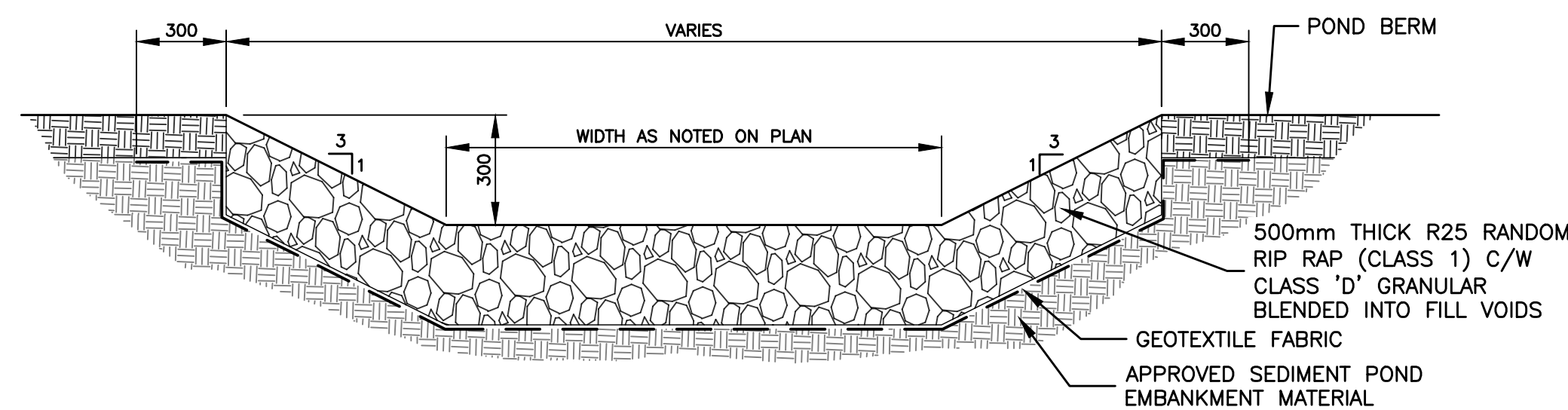
**25** DETAIL—ASPHALT TRANSITION TO EX. SURFACE  
N.T.S.



**26** DETAIL—TEMPORARY CUL-DE-SAC  
N.T.S.



**27** DETAIL—DROP MANHOLE  
N.T.S.



**28** DETAIL—SEDIMENT POND SPILLWAY  
N.T.S.

<b>NOT FOR CONSTRUCTION</b>			
No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

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TOWN OF STRATFORD

COMMUNITY CAMPUS

SITE SERVICING  
CIVIL

DETAILS NO. 3

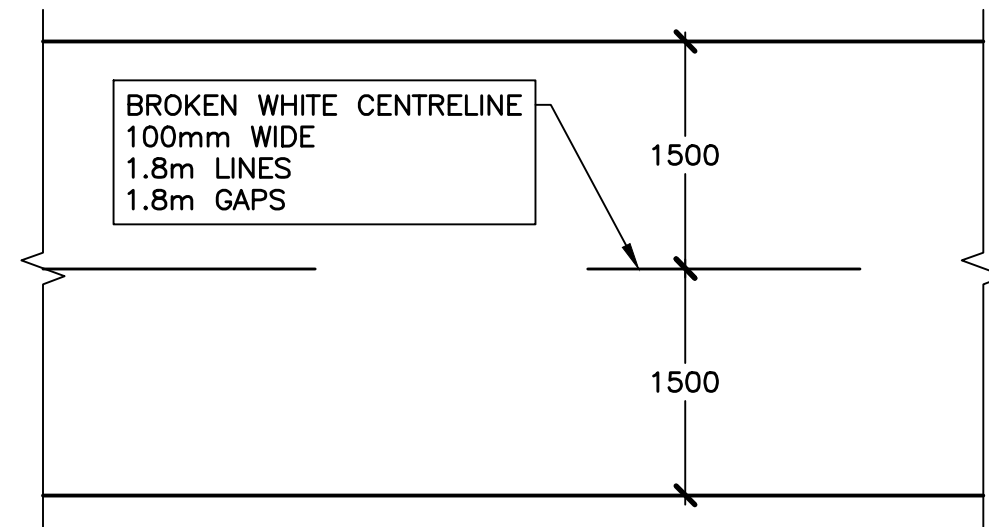


Contract No. 222617.00	Date MAR, 2023	Scale AS NOTED
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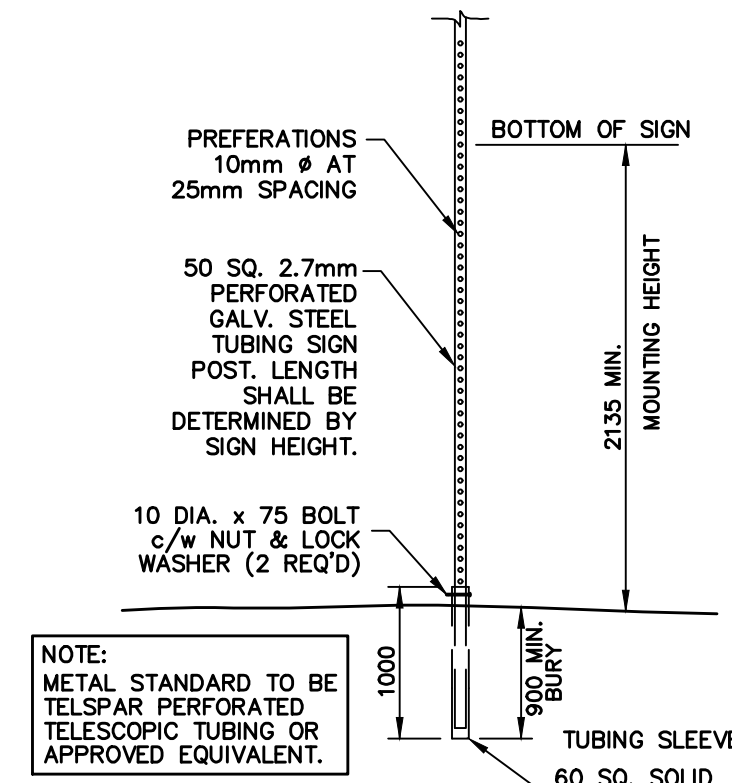
Designed TSL	Drawn DRC
Checked PSH	Approved TSL

Sheet No. 28 of 29  
Drawing No.

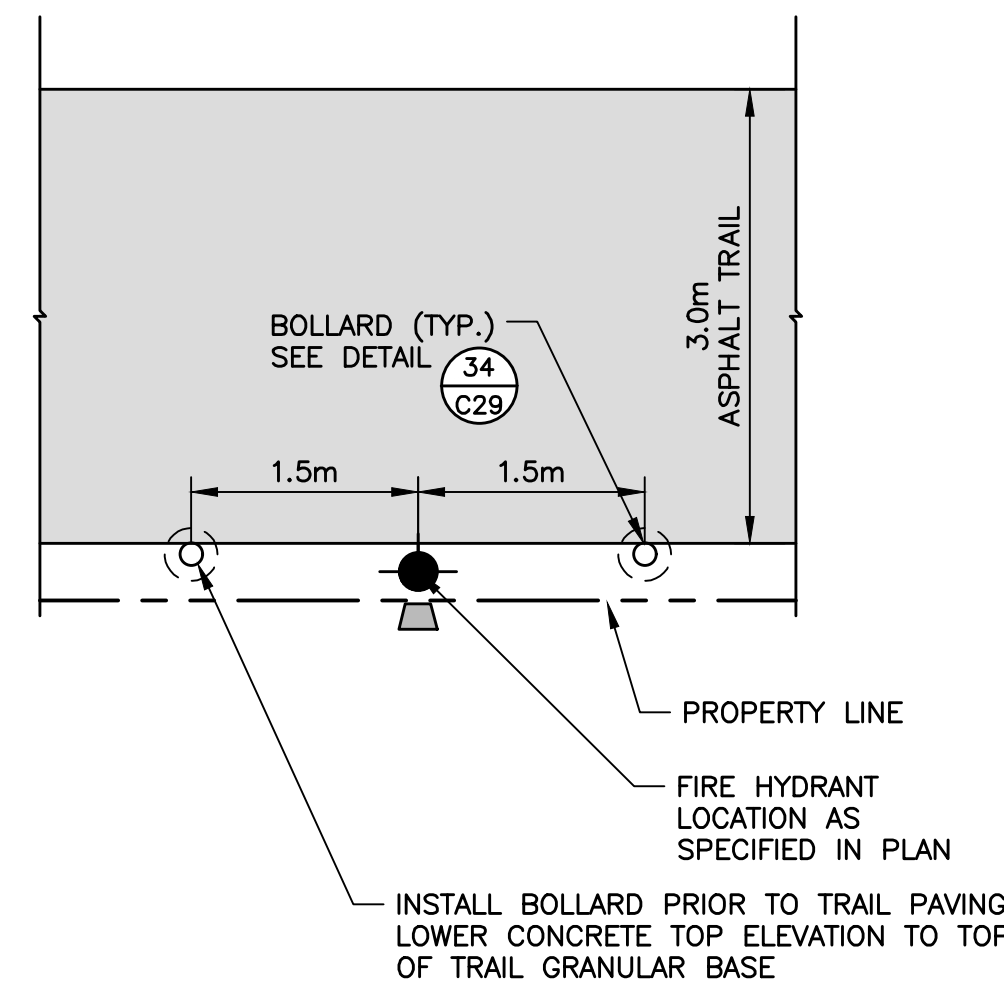
**C28**



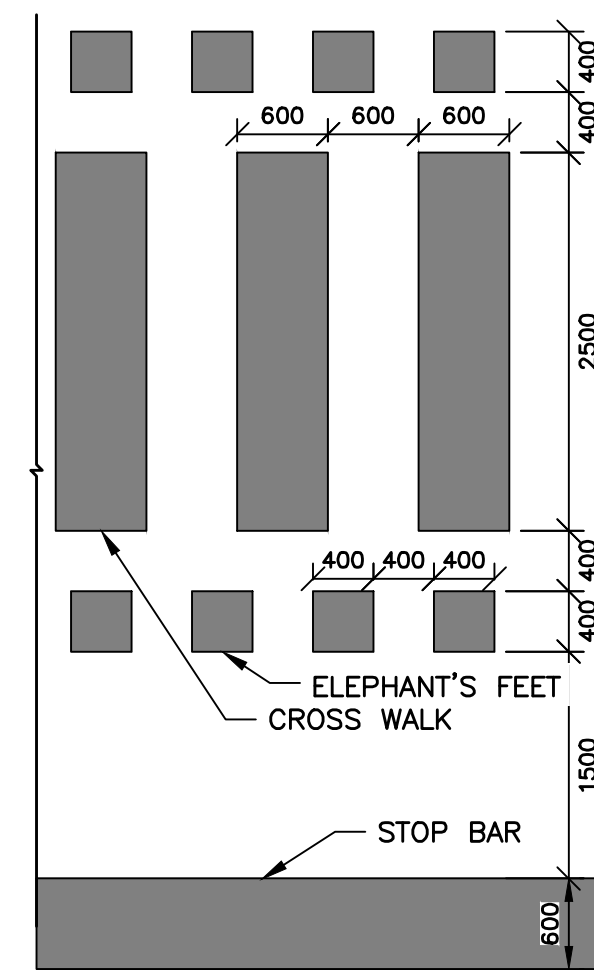
**29** DETAIL— TRAIL MARKINGS  
N.T.S.



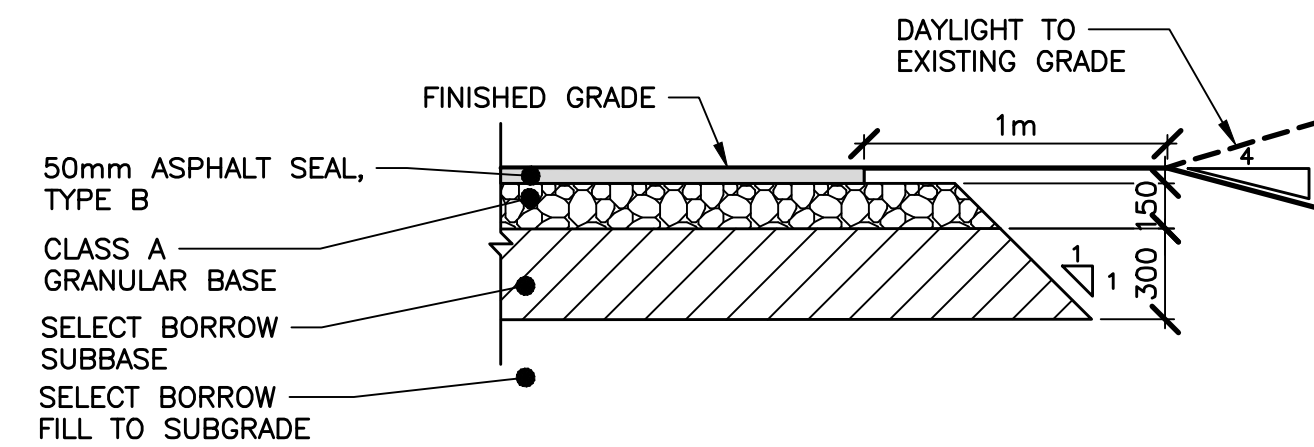
**32** DETAIL— SIGN POST  
N.T.S.



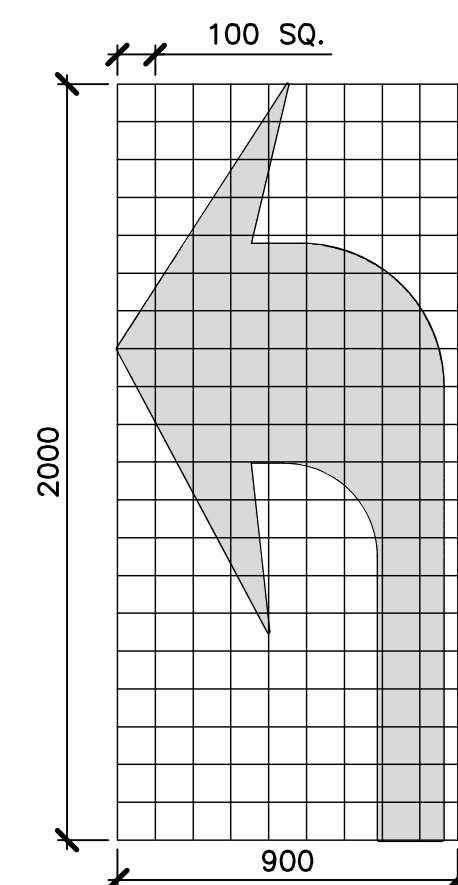
**35** DETAIL— HYDRANT BOLLARDS  
N.T.S.



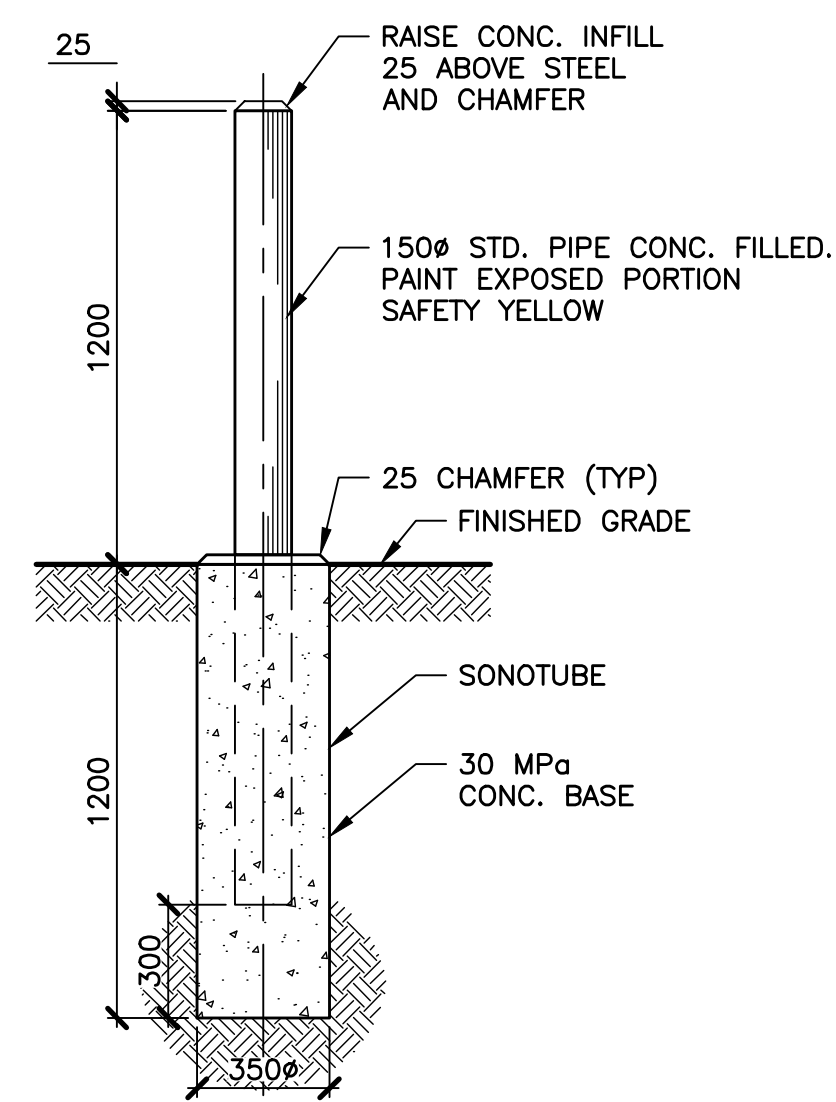
**30** DETAIL— MULTI-USE TRAIL CROSSWALK  
N.T.S.



**33** DETAIL— ASPHALT DRIVEWAY  
N.T.S.



**31** DETAIL— PAINTED LEFT TURN ARROW  
N.T.S.



**34** DETAIL— BOLLARD  
N.T.S.

PAVEMENT MARKING SCHEDULE			
IDENTIFICATION	TYPE	COLOUR	WIDTH (mm)
1	SOLID	YELLOW	100
2	SOLID	WHITE	100
3	3.0-3.0-3.0 CONTINUITY LINE	WHITE	100
4	SOLID STOP LINE	WHITE	600
5	0.6-0.6-0.6 CROSSWALK	WHITE	2500
6	0.4-0.4-0.4 ELEPHANT'S FEET	WHITE	400
7	1.8-1.8-1.8 TRAIL CENTER LINE	WHITE	100
8	0.6-3-0.6 CORE AREA	YELLOW	VARIES
9	SYMBOLS & ARROWS	WHITE	VARIES

NOTES:  
1. 3-3-3 DENOTES PAVEMENT MARKING SPACING (E., 3m LINE, 3m GAP, 3m LINE)

TRAFFIC SIGN SCHEDULE			
SIGN	NAME	QUANTITY	
	RA-1 (600x600mm) STOP SIGN	5	
	WB-1 (750x750mm) STOP AHEAD	2	
	RB-93 (450x600mm) SHARED PATHWAY	5	
	ID-31 (450x450mm) CUL-DE-SAC	1	
	(450x600mm) NO THRU TRUCK TRAFFIC	2	
	WA-8 (750x750mm) CHECKERBOARD	1	
	WA-23 (750x750mm) ROAD NARROWS	1	

**NOT FOR CONSTRUCTION**

No.	Description	Date	By
0	ISSUED FOR APPROVAL & TENDER	MAR 17/23	TSL

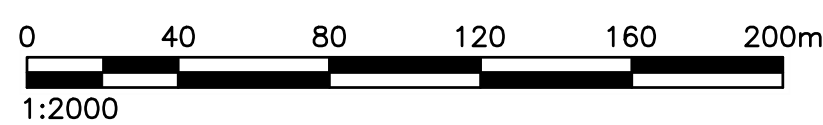
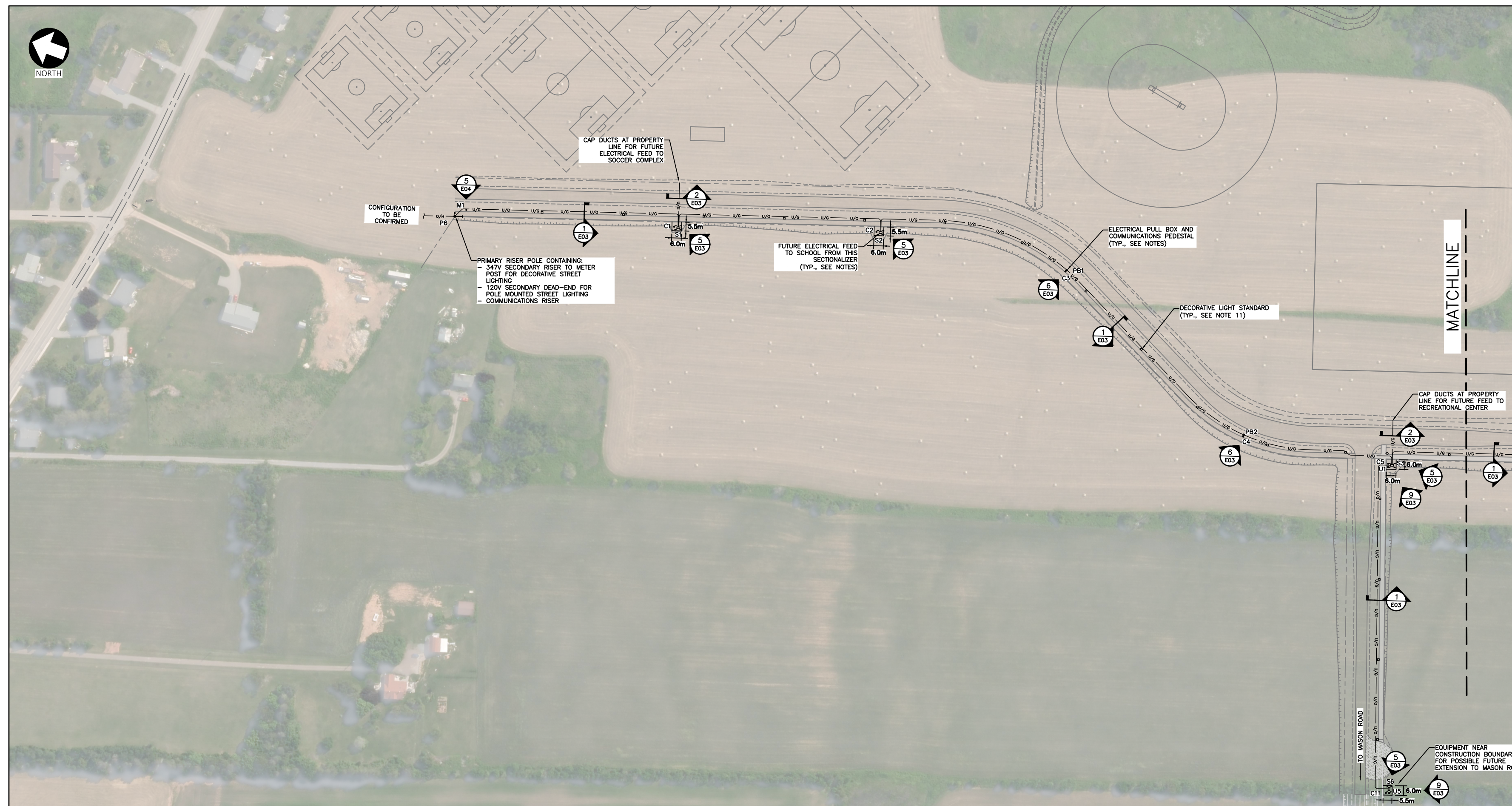
Revision or Issue

TOWN OF STRATFORD  
COMMUNITY CAMPUS  
SITE SERVICING  
CIVIL  
DETAILS NO. 4

**CBCL**

Contract No. 222617.00	Date MAR, 2023	Scale AS NOTED
Designed TSL	Drawn DRC	
Checked PSH	Approved TSL	
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Drawing No.		

**C29**



BILL OF MATERIALS			
UNDERGROUNDING	QTY.	UNITS.	NOTES
PVC 127mm	3200	m	PRIMARY DUCTS
PVC 100mm	7000	m	SECONDARY AND COMMUNICATIONS DUCTS
PVC 53mm	3000	m	STREET LIGHTING DUCTS
UTILITY BENDS & CONNECTORS	AS REQ.	EA.	1525mm & 915mm RAD. BENDS AS APPLICABLE (SEE NOTE 2)
50 X 150 mm PLANKS	AS REQ.	EA.	REFER TO E03 DUCTBANK DETAILS
HIGH VOLTAGE WARNING RIBBON	AS REQ.	EA.	REFER TO E03 DUCTBANK DETAILS
BOLLARDS & COVERS	32	EA.	4 PER PADMOUNT PRIMARY EQUIPMENT
ELECTRICAL			
QTY.	UNITS.	NOTES	
PRIMARY RISERS	2	EA.	AS PER MECL STANDARD
URD BOX	4	EA.	
SECONDARY RISER	3	EA.	PROVISION FOR 2 SERVICES (SOUTH), RE-FEED 1 EXST. SERVICE (NORTH)
UTILITY METER	1	EA.	PUMPING STATION: REFER TO SHEET E05 & E06
OTHER ITEMS (PUMPING)	1	LOT	REFER TO SHEETS E05 & E06
PULL BOXES	3	EA.	SEE NOTES 3 & 7
CABLES	1	LOT	SECONDARY TO PUMPING STATION, REFER TO E02, E05, & E06
2/0 CU STRANDED BARE	1700	m	MAIN DUCTBANK RUN, PLUS EXTRA AS REQ. FOR PADMOUNT EQUIP. GROUND LOOP
GROUNDING RODS	75	EA.	PADMOUNTED EQUIPMENT (4 EACH), DECORATIVE LIGHT STANDARDS (1 EACH), METER POSTS, COMMUNICATIONS PEDESTALS (1 EACH)
#2 AWG CU STRANDED BARE	54	m	DECORATIVE LIGHT STANDARD GROUNDING, APPROX. (SEE NOTE 11)
STREET LIGHTING			
QTY.	UNITS.	NOTES	
METER/SERVICE POST	2	EA.	ONE PER U/G LIGHTING CIRCUIT (NEAR NORTH/SOUTH RISERS)
DECORATIVE POLES	27	EA.	REFER TO E04 FOR DETAILED REQUIREMENTS
DECORATIVE LUMINAIRES	27	EA.	REFER TO E04 FOR DETAILED REQUIREMENTS
LIGHT STANDARD BASE	27	EA.	ONE PER LIGHT STANDARD, REFER TO E04 FOR DETAILED REQUIREMENTS
URD/PEDESTAL	2	EA.	NEAR INTERSECTION (OPEN POINT) & CONSTRUCTION BOUNDARY
CABLES	1	LOT	REFER TO E02/E04 FOR DETAILED REQUIREMENTS
COMMUNICATIONS			
QTY.	UNITS.	NOTES	
PEDESTALS	11	EA.	ESTIMATED QUANTITY FOR COMMUNICATIONS
COMMUNICATIONS RISER	5	EA.	ONE PER SECONDARY RISER FROM O/H SERVICES AND ONE PER PRIMARY RISER

**NOTES:**

- REFER TO CIVIL PLANS FOR DETAILS OF SITE LAYOUT, REFER TO TYPICAL ROAD CROSS-SECTIONS FOR STANDARD PLACEMENT OF UTILITY POLES AND DECORATIVE LIGHT STANDARDS.
- USE LONG SWEEP 1525mm RADIUS PVC CONDUIT UTILITY BENDS IN ALL RISER POLE VERTICAL TO HORIZONTAL TRANSITIONS, AND ALL HORIZONTAL BENDS. FOR HORIZONTAL TO VERTICAL TRANSITIONS TO PADMOUNT EQUIPMENT, 915mm BEND MAY BE USED.
- SECTIONALIZING CABINETS AND PULL BOXES ARE PLACED TO LIMIT CABLE PULLING DISTANCE AND ALLOW FOR EXPANSION IN FUTURE PHASES. PLACEMENT AND QUANTITY TO BE CONFIRMED BY MECL.
- ALL WORK SHALL BE CARRIED OUT IN CONFORMANCE WITH MARITIME ELECTRIC AND TELECOMMUNICATIONS STANDARDS.
- ALL COMMUNICATIONS PEDESTALS AND CABLES SUPPLIED AND INSTALLED BY TELECOMMUNICATIONS COMPANY. ALL BOXES UNDER PEDESTALS AND RISER MATERIALS TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.
- ALL PRIMARY CABLES SUPPLIED AND INSTALLED BY MARITIME ELECTRIC.
- SECONDARY PEDESTALS, TRANSFORMER PADS, AND PULL BOXES ARE TO BE SUPPLIED AND INSTALLED IN PLACE BY THE CONTRACTOR. SECTIONALIZING CABINETS AND PADMOUNT TRANSFORMERS ARE TO BE SUPPLIED BY MECL AND INSTALLED IN PLACE BY THE CONTRACTOR. ALL OVERHEAD MATERIALS TO BE SUPPLIED AND INSTALLED BY MECL (EXCL. RISER DUCTS AND OTHER MATERIALS).
- STUB UP ALL ELECTRICAL CONDUITS IN SECTIONALIZING CABINETS, TRANSFORMER PADS AND PULL BOXES, AS SPECIFIED BY MARITIME ELECTRIC. CONTRACTOR TO CONSULT WITH MARITIME ELECTRIC ON THE DELIVERY SCHEDULE FOR THE EQUIPMENT AND CONFIRM ARRANGEMENT OF THE CONDUITS WITHIN THE CABINETS.
- ALL PADMOUNT EQUIPMENT PLACEMENT AS PER MECL STANDARD E-90-03: PADMOUNT EQUIPMENT LOCATION DETAILS.
- ALL PADMOUNT PRIMARY EQUIPMENT TO HAVE BOLLARD INSTALLATION AS PER MARITIME ELECTRIC REQUIREMENTS. REFER TO SHEET E03 - DISTRIBUTION DETAILS.
- FOR STREET LIGHTING INFORMATION, INCLUDING SERVICE/METER POST INSTALLATION, SINGLE LINE DIAGRAM, AND STREET LIGHT CIRCUIT WIRING, REFER TO SHEET E04 - LIGHTING DETAILS.
- SIDEWALK STRUT GUYING SHOULD BE USED WHERE GUYS ARE SHOWN CROSSING TRAIL.
- GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 10 OF THE LATEST CANADIAN ELECTRICAL CODE.
- METER AS PER MECL STANDARD. REFER TO UG-18-08.
- CONTRACTOR TO ARRANGE START-UP MEETINGS WITH CONSULTANT, MARITIME ELECTRIC, AND TELECOMMUNICATIONS COMPANIES BEFORE COMMENCING WORK.

**LEGEND:**

—○—○—	OVERHEAD LINE
—□—□—	U/G MAIN TRENCH
—□—□—	U/G SECONDARY
—	PROPERTY LINES
●	POLE
→	GUY & ANCHOR
•	BOLLARD
□	URD/SECONDARY PEDESTAL
□	PULL BOX
□	COMMUNICATIONS PEDESTAL
□	SECTIONALIZING CABINET
□	TRANSFORMER PAD
→	UTILITY POLE MOUNT STREET LIGHT
□	DECORATIVE LIGHT STANDARD
⊙	METER POST

**GENERAL NOTES:**

- ALL DIMENSIONS IN METRIC UNLESS OTHERWISE NOTED.

NOT FOR CONSTRUCTION

No.	Description	Date	By
0	ISSUED FOR TENDER	MAR 17/23	TSL
A	ISSUED FOR MECL REVIEW	FEB 27/23	MWC

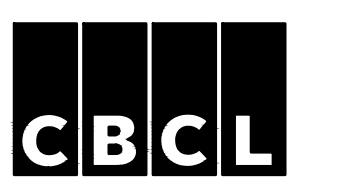
Revision or Issue

**TOWN OF STRATFORD**

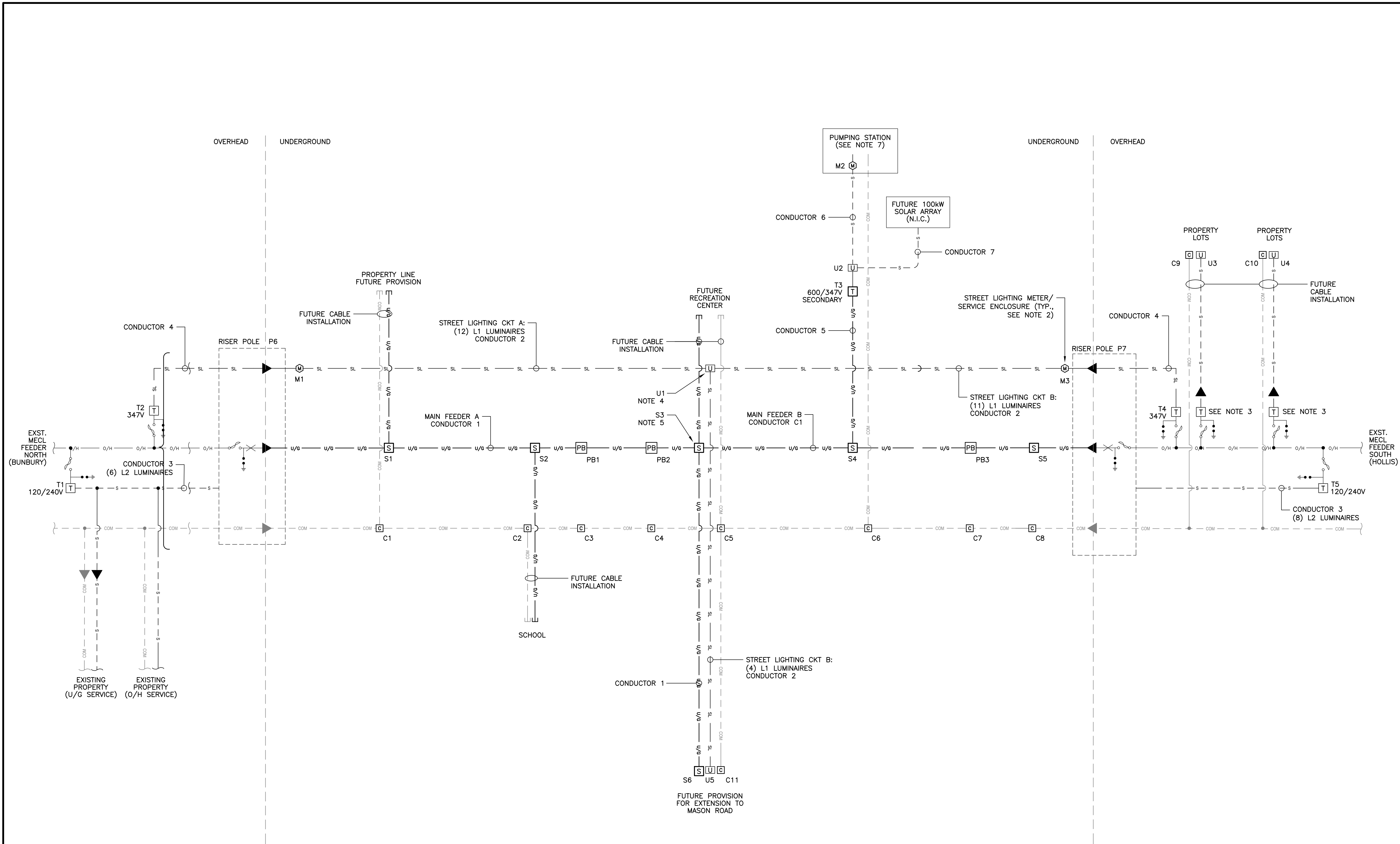
**COMMUNITY CAMPUS**

SITE SERVICING  
ELECTRICAL

**DISTRIBUTION & LIGHTING  
SYSTEM LAYOUT**



CBCL No. 222617.00	Contract No. 222617.00
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Checked MWC	Approved
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- LEGEND:**
- O/H — O/H PRIMARY
  - U/G — U/G PRIMARY
  - - - - - SECONDARY
  - SL — STREET LIGHTING
  - - - - - COMMUNICATIONS
  - ◀ — O/H TO U/G RISER
  - ⊗ — FUSED CUTOFF (AERIAL)
  - X — SWITCH
  - ⚡ — LIGHTNING ARRESTOR
  - U — SEC. PEDESTAL (URD)
  - PB — PULL BOX
  - C — COMMS PEDESTAL
  - S — SECTIONALIZING CABINET
  - T — TRANSFORMER
  - M — METER (POST/BLDG)

- NOTES:**
1. REFER TO SHEET E01 - DISTRIBUTION & LIGHTING SYSTEM LAYOUT FOR EQUIPMENT LOCATIONS.
  2. REFER TO SHEET E04 - LIGHTING DETAILS FOR LUMINAIRE INFORMATION AND DIAGRAMS.
  3. TRANSFORMERS TO BE INSTALLED AS REQUIRED FOR BUSINESS PARK SERVICES. SIZING TO BE DETERMINED BY CUSTOMER LOADS. 120V SERVICE MAY BE FED FROM EXISTING SECONDARY (STREET LIGHTING CIRCUIT) IF THREE-PHASE NOT REQUIRED.
  4. OPEN POINT IN URD TO SPLIT U/G STREET LIGHTING CKT A & B.
  5. OPEN POINT IN SECTIONALIZING CABINET TO SPLIT MAIN NORTH AND SOUTH CIRCUITS. ALLOWS SWITCHING OF LOADS BETWEEN BUNBURY AND HOLLIS FEEDERS, AND FUTURE MASON ROAD FEEDER.
  6. REFER TO SHEET FOR E03 - DISTRIBUTION DETAILS SOME EQUIPMENT DETAILS.
  7. REFER TO SHEETS E05 - LIFT STATION PLAN & SECTIONS & E06 - LIFT STATION SINGLE LINE DIAGRAM & DETAILS.

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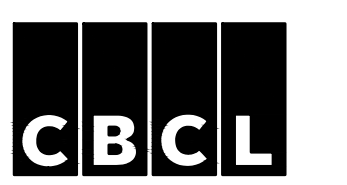


TOWN OF STRATFORD

COMMUNITY CAMPUS

SITE SERVICING  
ELECTRICAL

DISTRIBUTION & LIGHTING  
SCHEMATIC



CBCL No. 222617.00	Contract No. 222617.00
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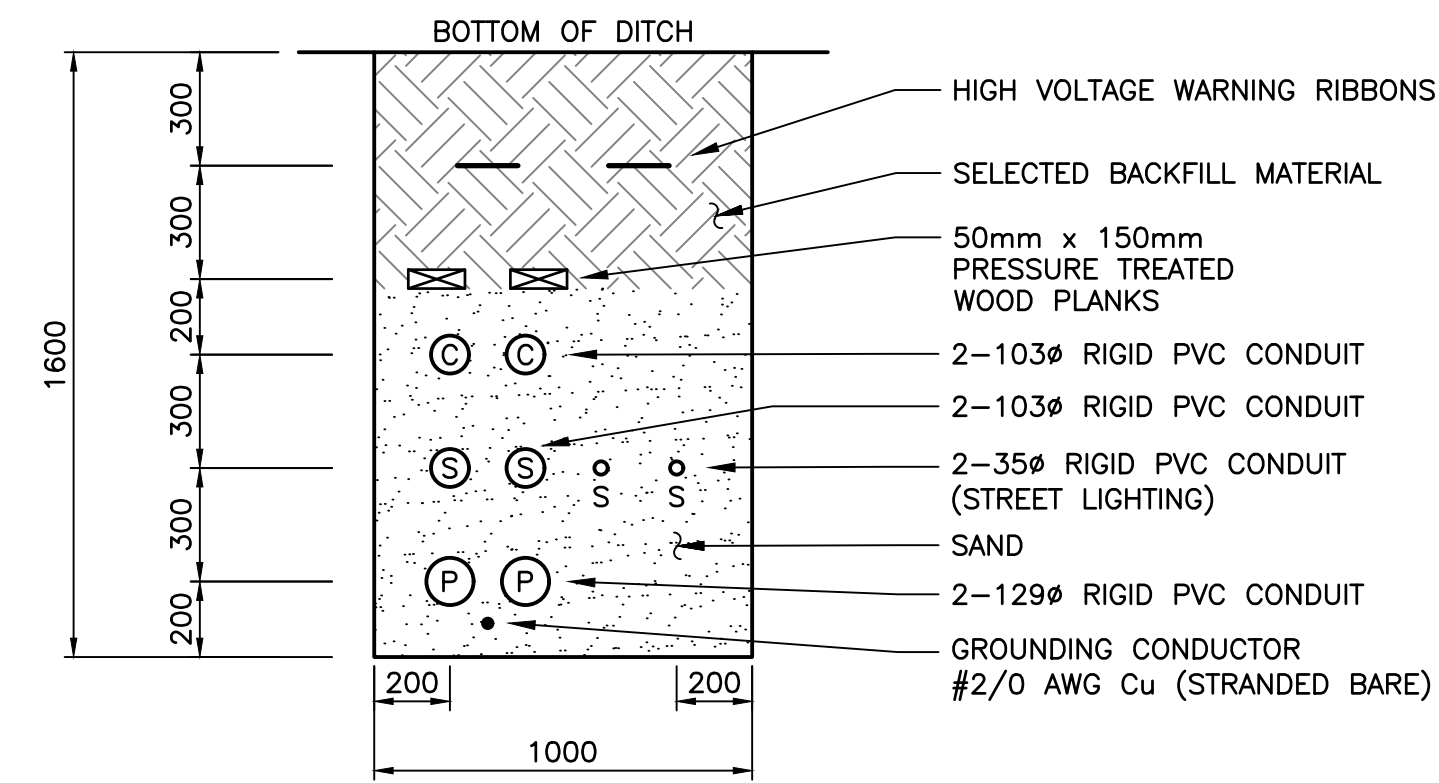
E02

UNDERGROUND LIGHTING CIRCUIT DATA				
CKT	QTY.	TOTAL W	TOTAL A	DIST. (m, APPROX.)
A (NORTH)	12	660	1.90	675
B (SOUTH/WEST)	15	825	2.38	770

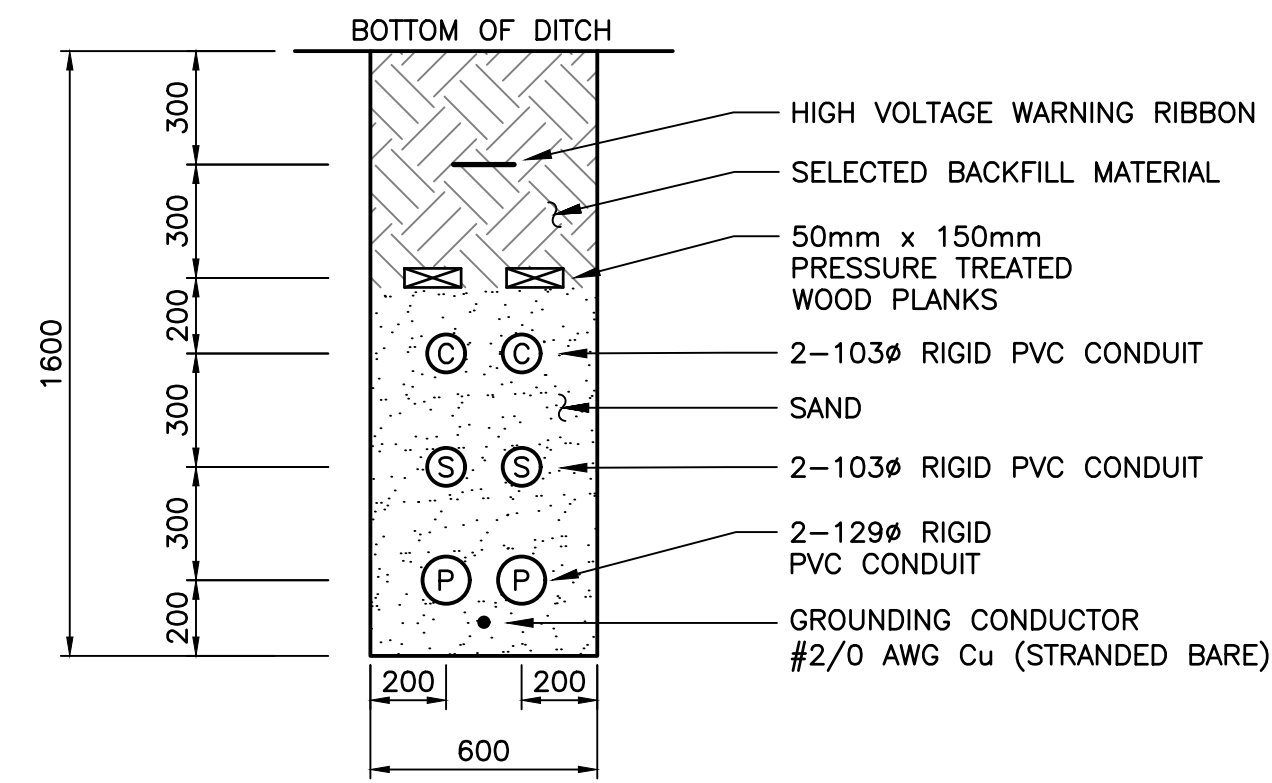
\*NOTE: MECL SYSTEM VOLTAGE IS ASSUMED. TO BE CONFIRMED BY MECL.

CABLE SCHEDULE		
ID	DESCRIPTION	APPLICATIONS
1	15kV*, U/G, AL, 3C-4/0 AWG	MAIN U/G FEEDERS
2	347V, U/G, CU, 3C-#6 AWG (INCL. 1C-#8 AWG BOND WIRE)	U/G STREET LIGHTING CIRCUITS A & B
3	120/240V, O/H, TRIPLEX, SIZE TBD	O/H SECONDARY CIRCUITS (STREET LIGHTING AND SERVICES)
4	347V, O/H, TRIPLEX, SIZE TBD	DECORATIVE STREET LIGHTING O/H SECTION TO RISER
5	15kV*, U/G, AL, TBD	PUMPING STATION/SOLAR ARRAY PRIMARY BRANCH
6	600/347V, U/G, AL, 4C-#2 AWG (INCL. 1C-#6 AWG BOND WIRE)	PUMPING STATION SECONDARY
7	600/347V, U/G, TBD	SOLAR ARRAY SECONDARY

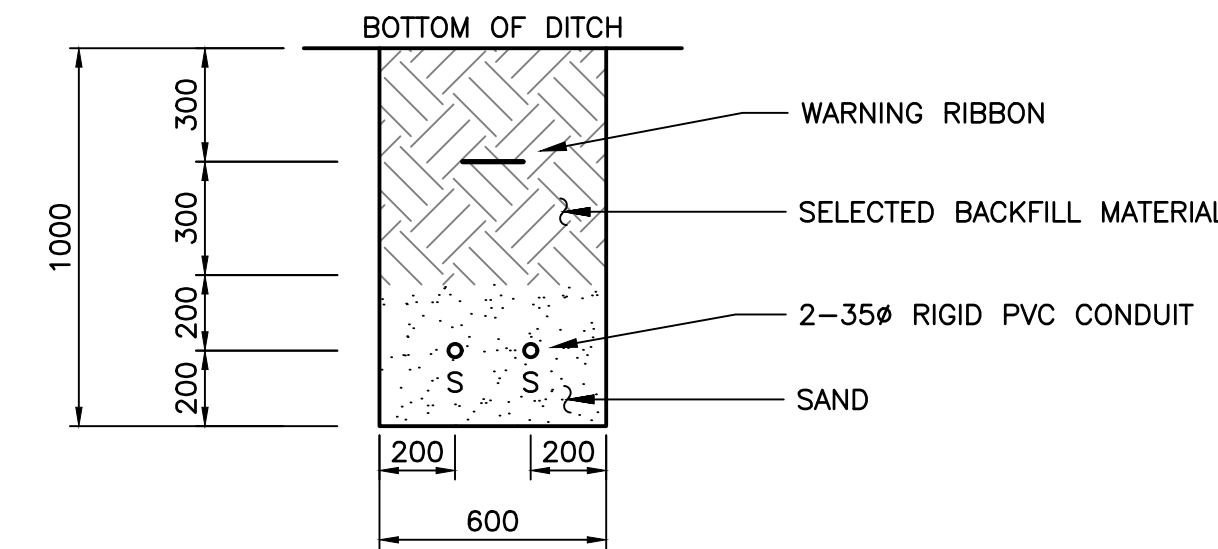




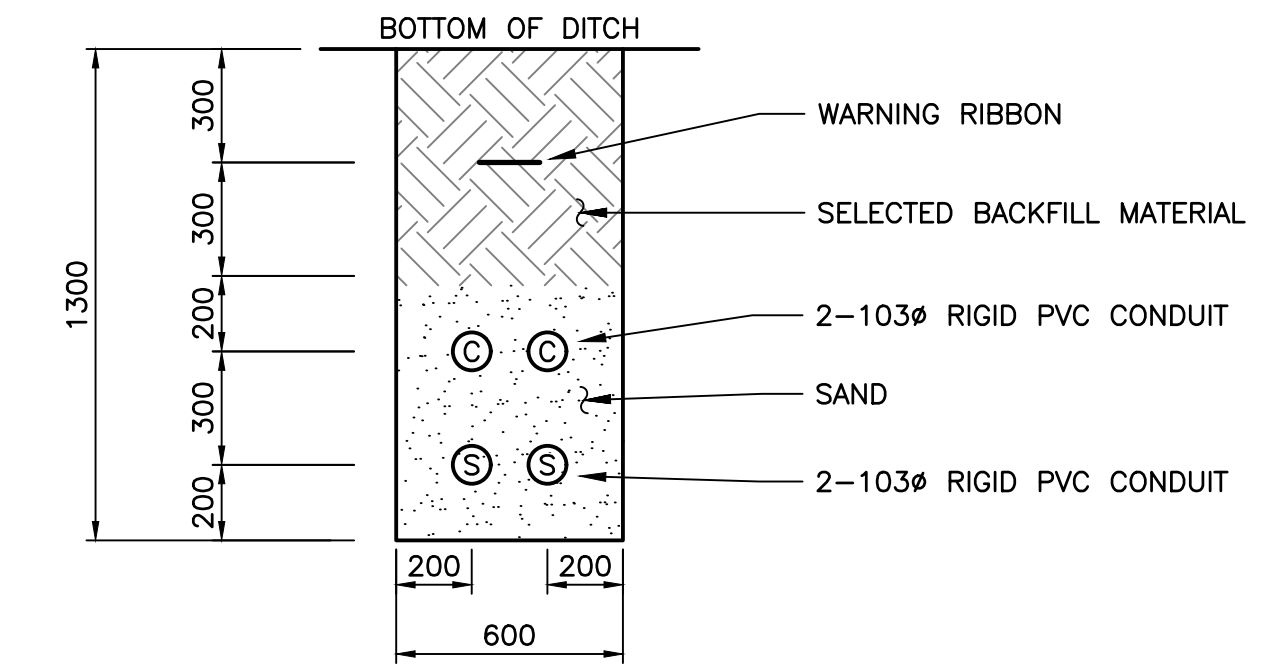
**1** DETAIL—MAIN JOINT—USE TRENCH  
1:20 (SEE NOTE 2)



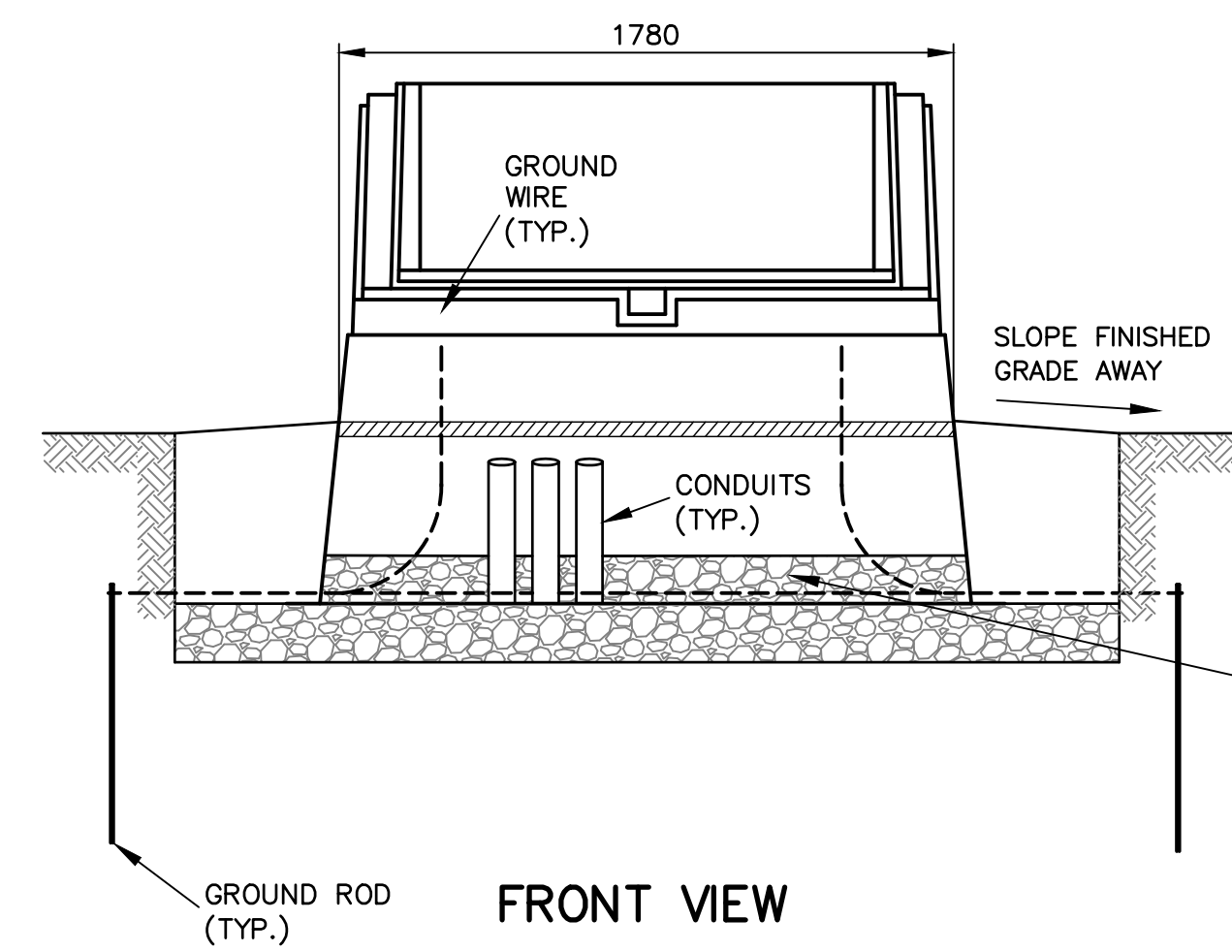
**2** DETAIL—PRIMARY SERVICE LATERAL  
1:20 (SEE NOTE 2)



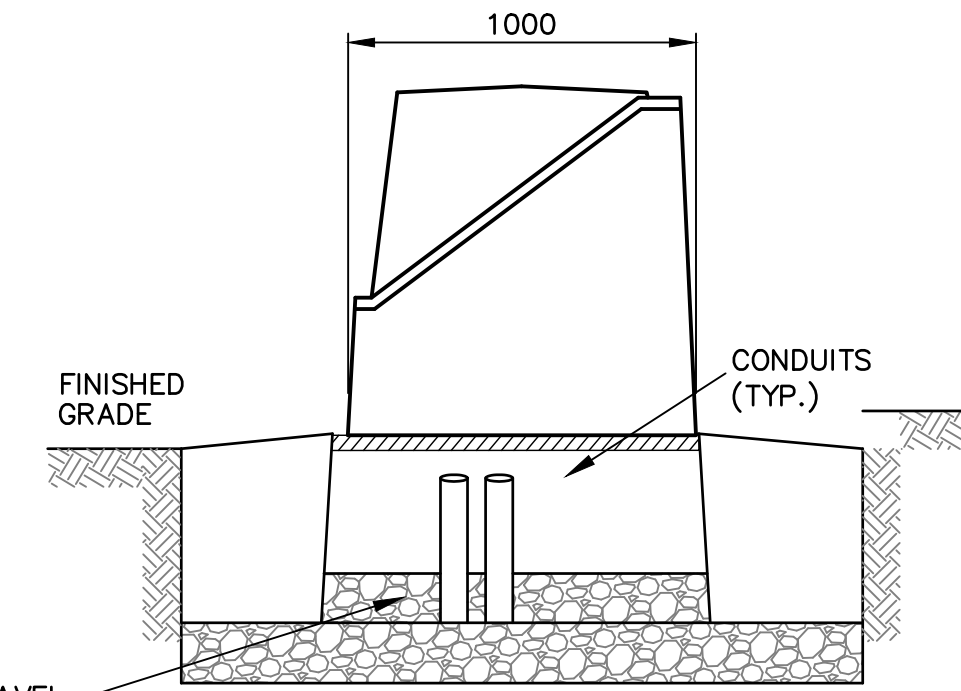
**3** DETAIL—SECONDARY TRENCH (LIGHTING ONLY)  
1:20 (SEE NOTE 2)



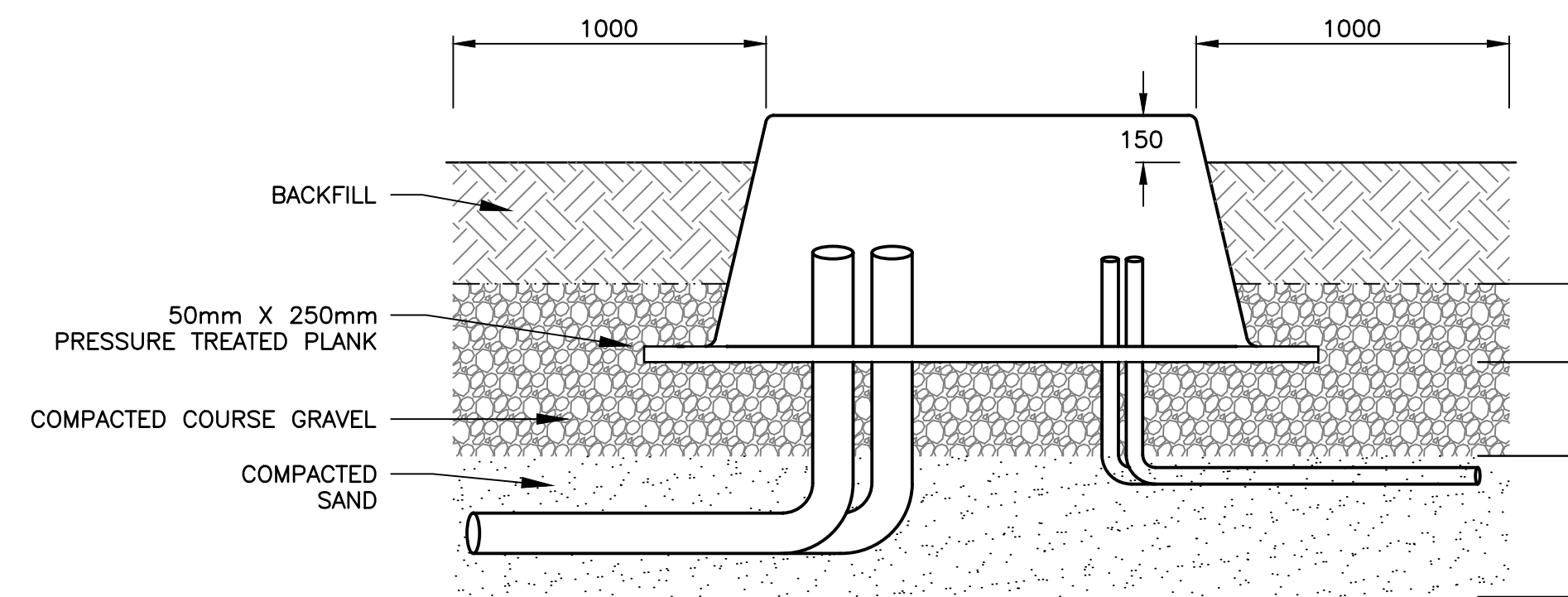
**4** DETAIL—SECONDARY SERVICE LATERAL  
1:20 (SEE NOTE 2)



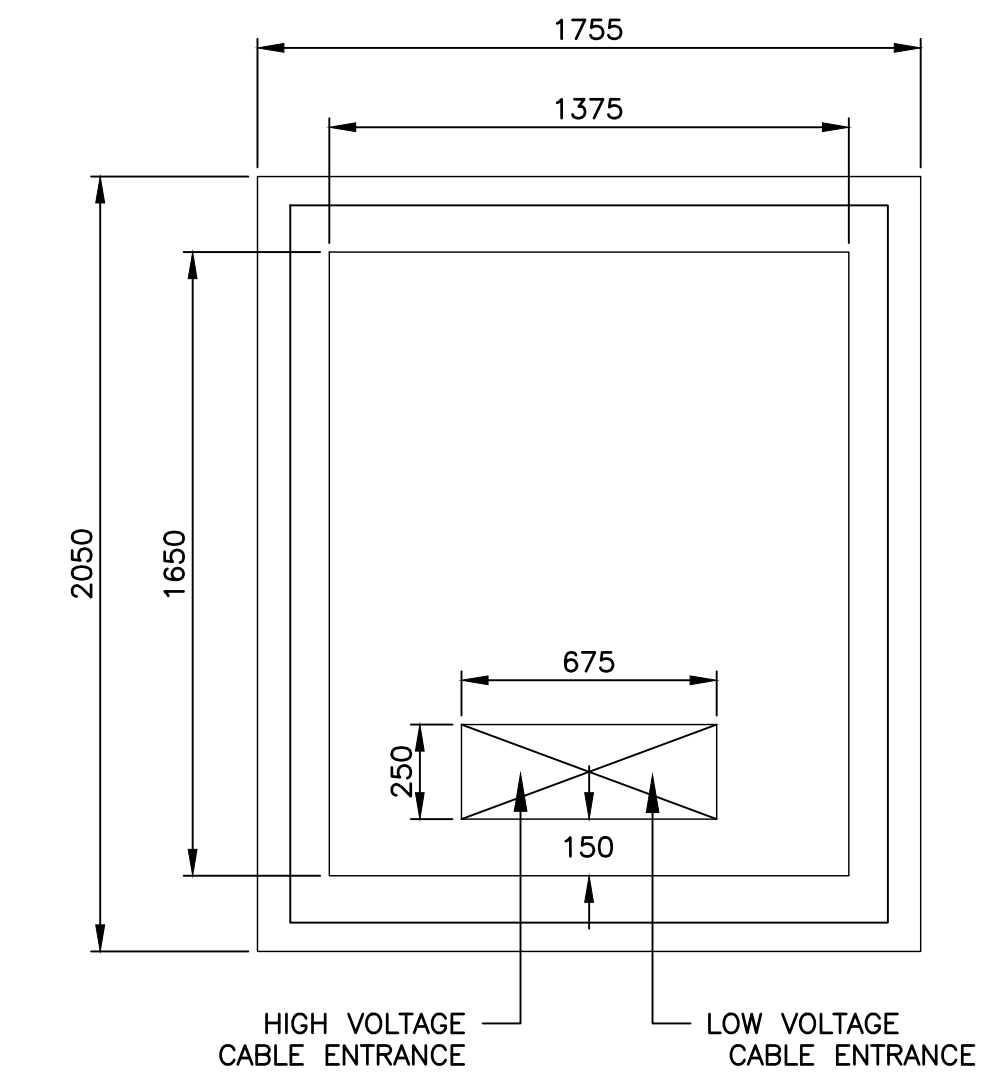
FRONT VIEW



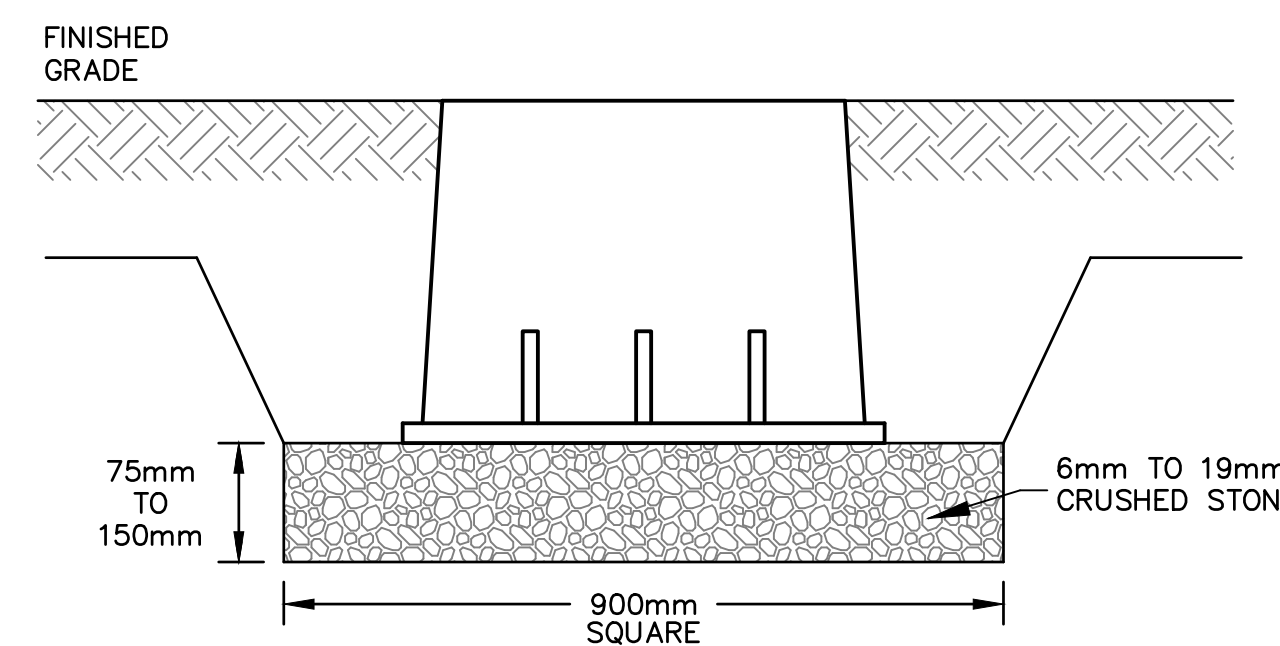
SIDE VIEW



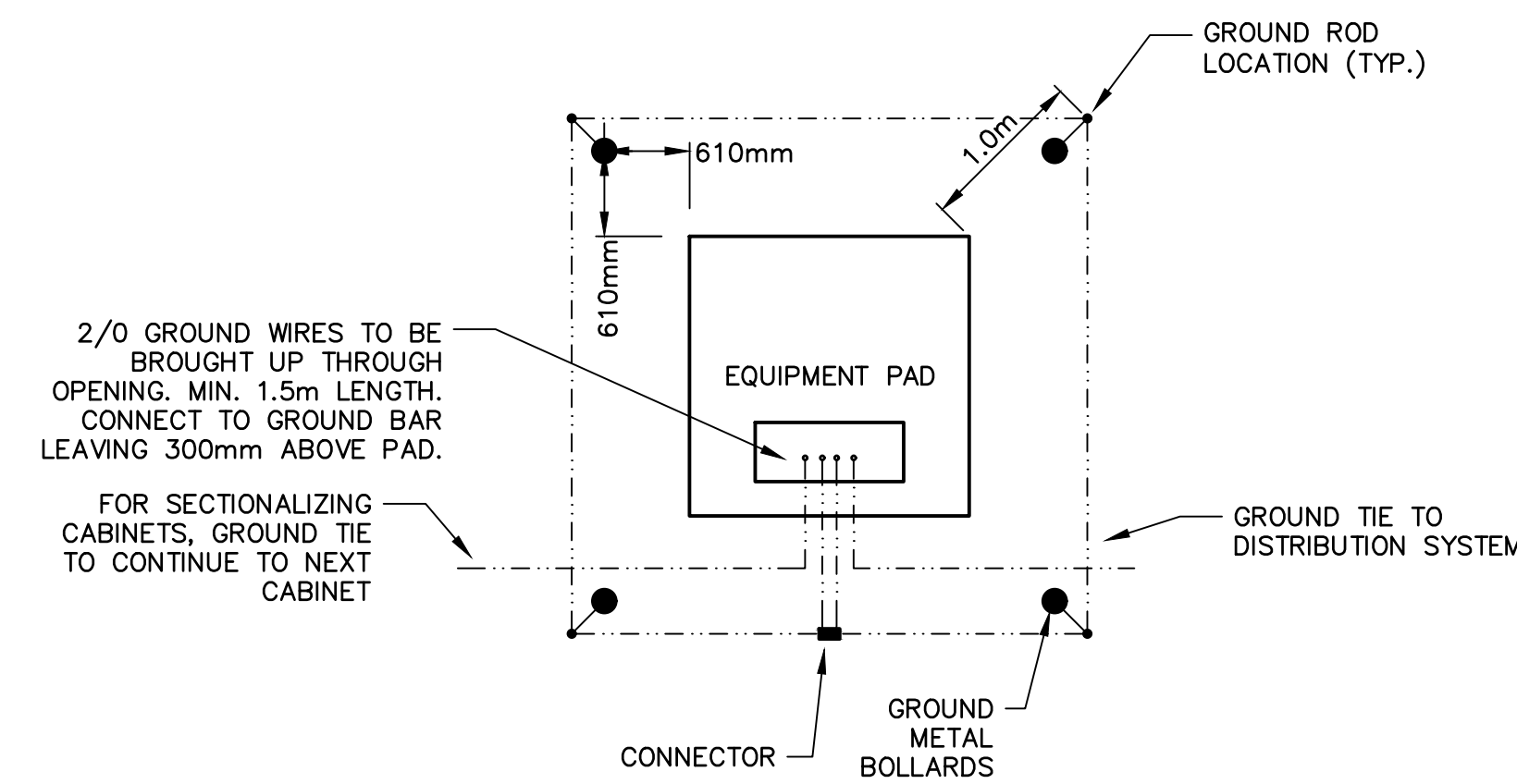
**8** DETAIL—TRANSFORMER FIBREGLASS PAD  
N.T.S. (SEE NOTES 6 & 8)



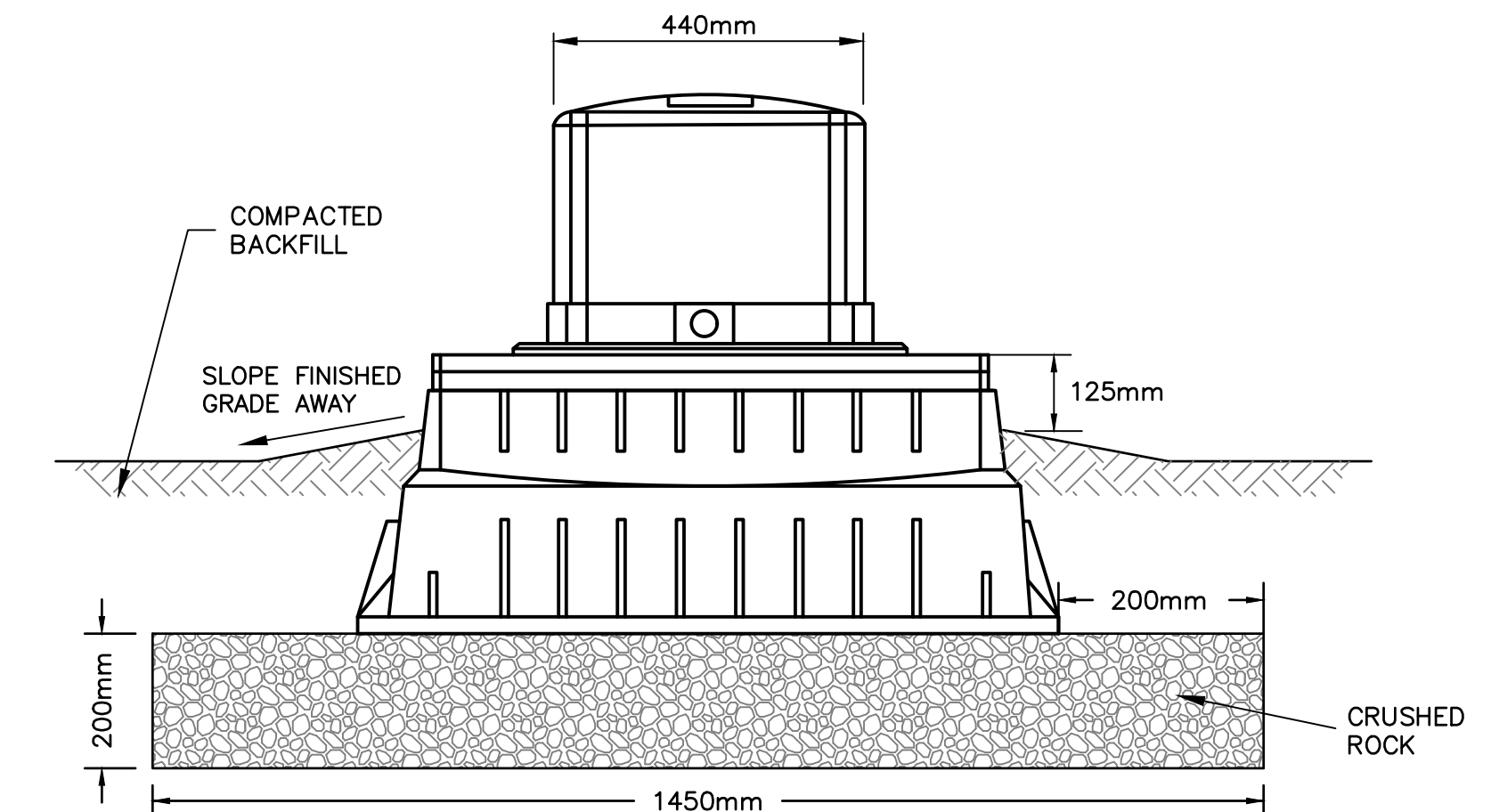
**5** DETAIL—PRIMARY SECTIONALIZING CABINET & PAD  
N.T.S. (SEE NOTES 3, 4, & 6)



**6** DETAIL—GRADE LEVEL ENCLOSURE (PULL BOX)  
N.T.S. (SEE NOTE 5)



**7** DETAIL—PADMOUNT EQUIPMENT INSTALLATION  
N.T.S. (SEE NOTES 6 & 9)



**9** DETAIL—SECONDARY PEDESTAL/URD  
N.T.S. (SEE NOTE 7)

- NOTES:**
- ALL INSTALLATIONS TO MEET MECL STANDARDS.
  - REFER TO MECL STANDARD E-85-29B: STANDARD TRENCHING DETAIL AND UG-92-01: UNDERGROUND CLEARANCES AT DITCHES IN R.O.W.
  - REFER TO MECL STANDARD UG-05-06: THREE PHASE HIGH VOLTAGE SECTIONALIZING CABINET (PRIMARY).
  - SECTIONALIZING CABINETS TO BE EQUIPPED WITH JUNCTIONS AND PARKING STANDS.
  - REFER TO MECL STANDARD E-99-01: GRADE LEVEL ENCLOSURES INSTALLATION DETAILS.
  - REFER TO MECL STANDARD E-85-143: GROUNDING DETAILS FOR PAD MOUNTED TRANSFORMER, AND UG-18-01: GROUNDING DETAILS FOR SECTIONALIZING CABINET.
  - REFER TO MECL STANDARD UG-05-03: SECONDARY ABOVE GRADE ENCLOSURES/SECONDARY PEDESTALS.
  - REFER TO MECL STANDARD E-12-01: FIBERGLASS PAD 3 PHASE PADMOUNTED UP TO 750kVA.
  - REFER TO MECL STANDARDS E-85-144: PADMOUNT XFMR & SECTIONALIZING CABINET CONCRETE PROTECTIVE BOLLARDS AND E-18-100: SPECIFICATION FOR PLASTIC BOLLARD COVERS.

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0	ISSUED FOR TENDER	MAR 17/23	TSJ
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Revision or Issue



TOWN OF STRATFORD

COMMUNITY CAMPUS

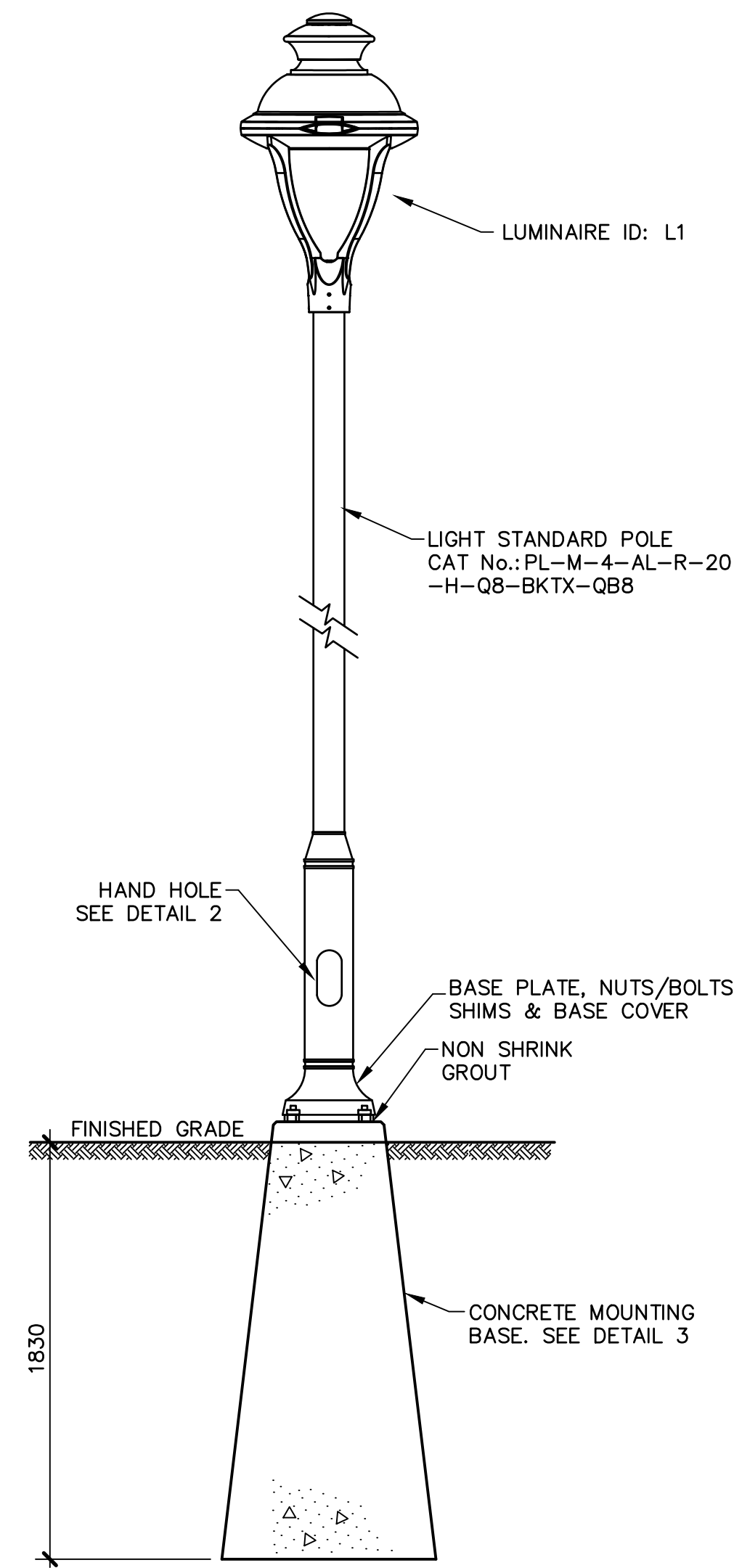
SITE SERVICING  
ELECTRICAL

DISTRIBUTION DETAILS

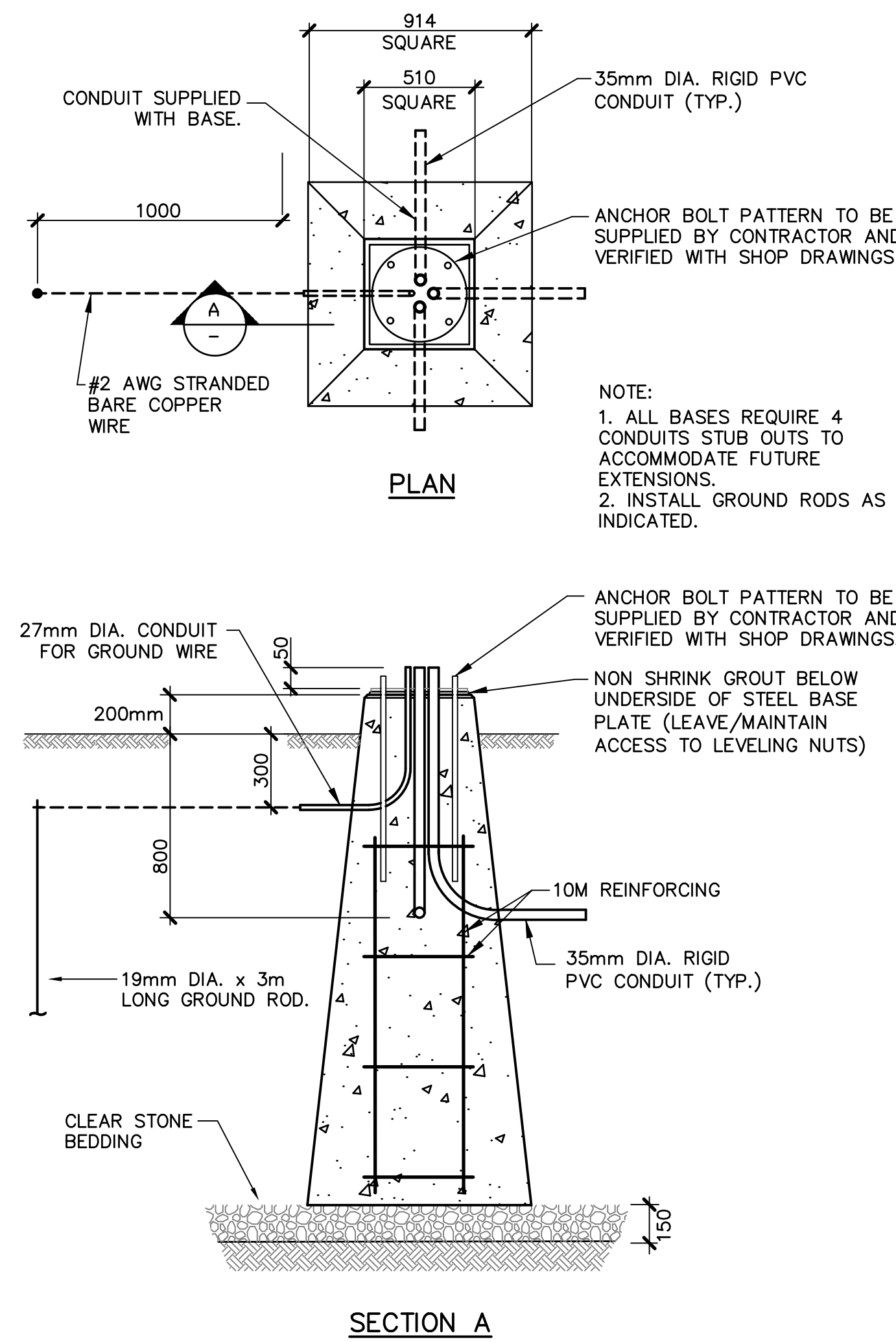
PHASE 1



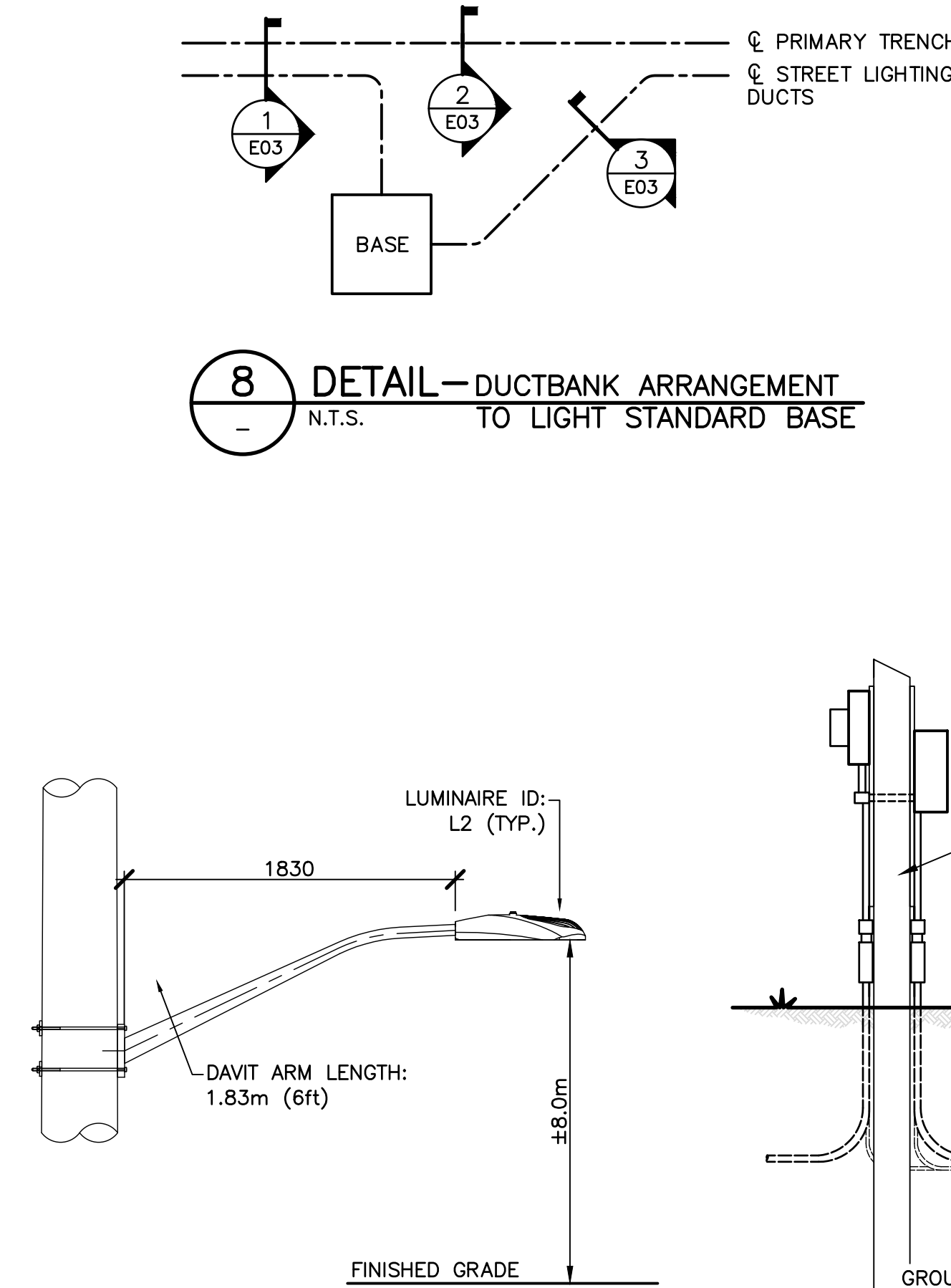
CBCL No. 222617.00	Contract No. 222617.00
Date FEB 2023	Scale AS NOTED
Designed MEF	Drawn MEF
Checked MWC	Approved
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**1** DETAIL—LIGHTING POLE (TYP.)  
N.T.S.



**3** DETAIL—PRECAST LIGHT STANDARD BASE (TYP.)  
N.T.S.

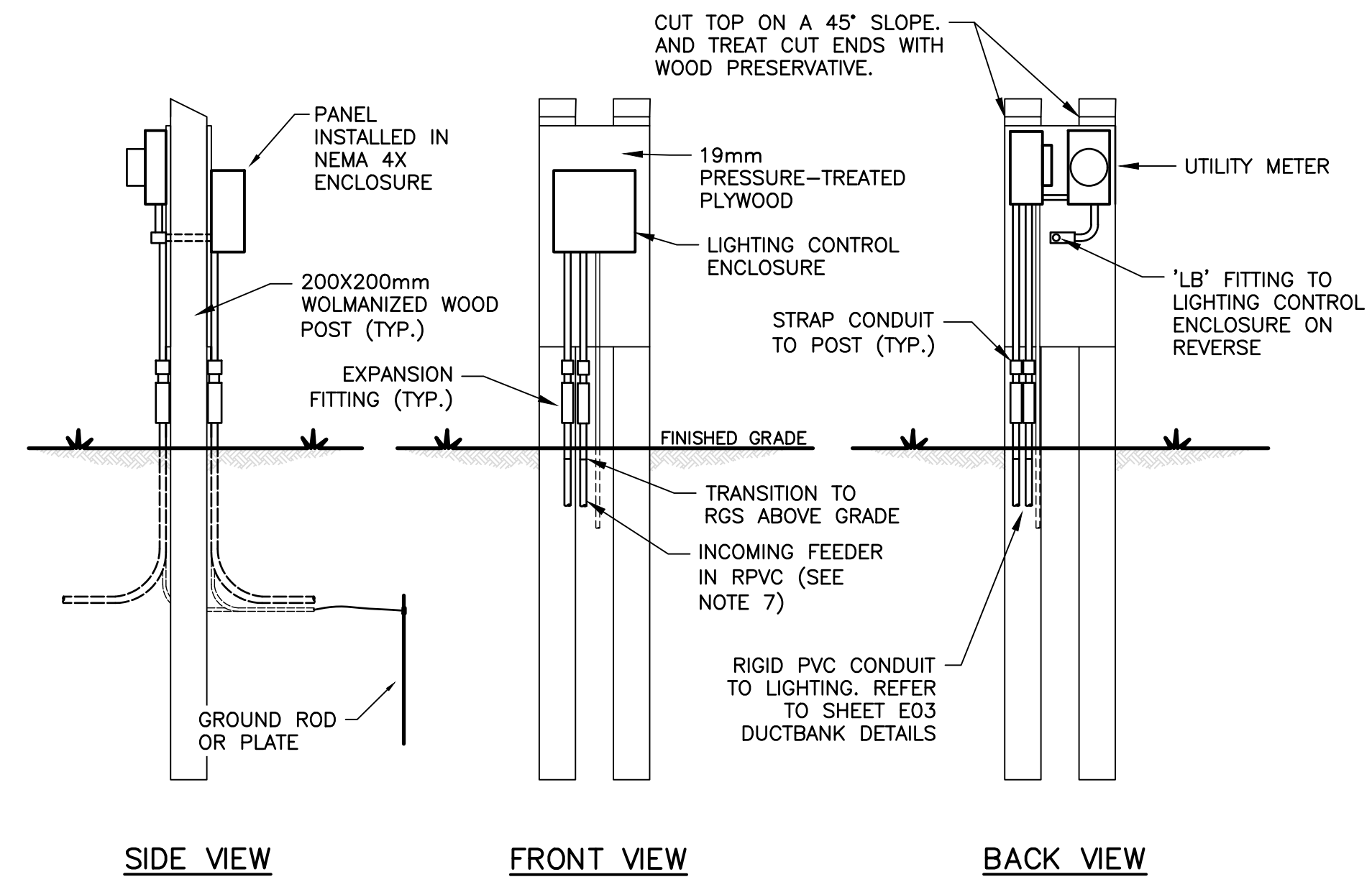


**4** DETAIL—POLE MOUNTED STREET LIGHT BY MECL  
N.T.S.

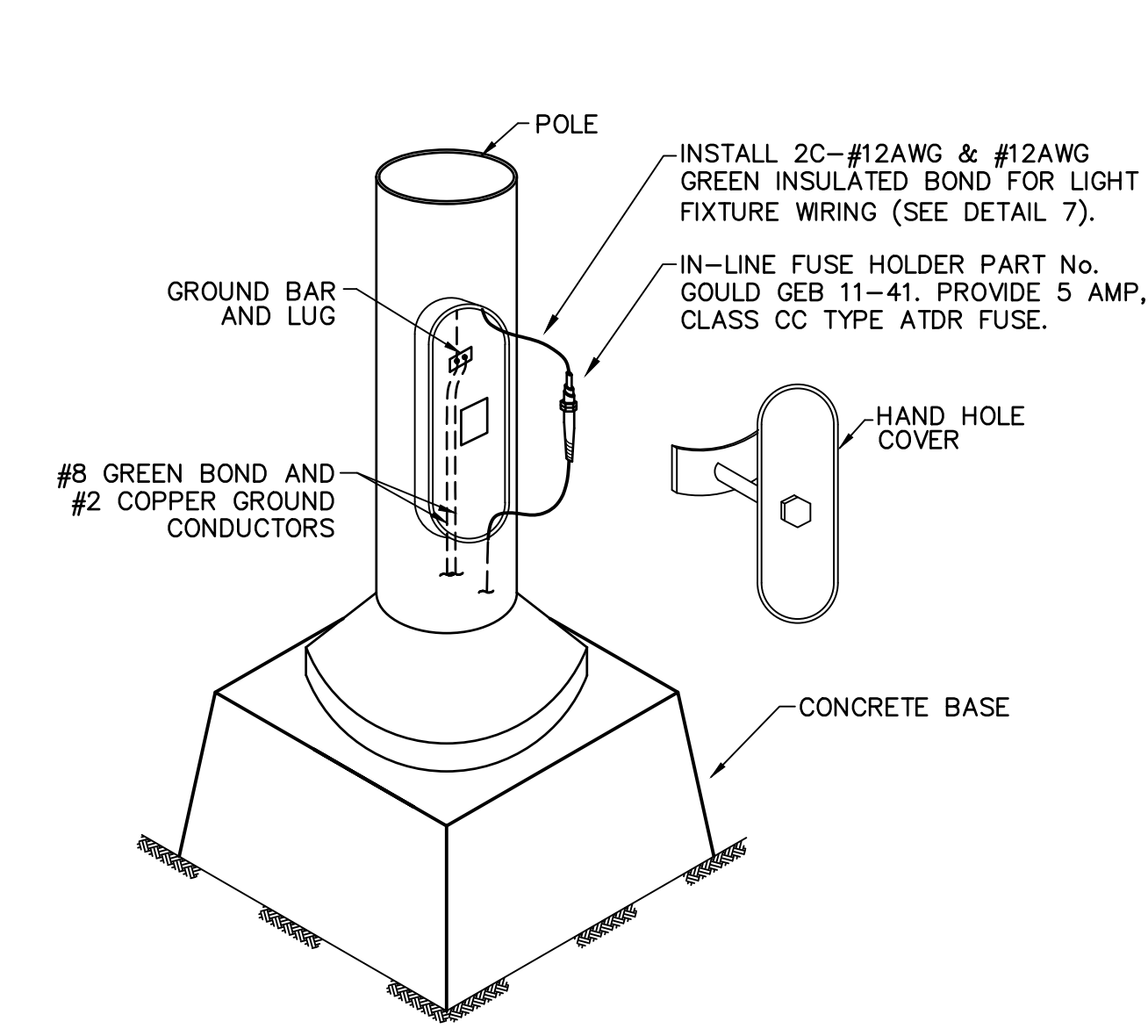
LABEL	Symbol	Qty	APPLICATION	Description	Lum. Watts	Lum. Lumens
L1	□	27	DECORATIVE	LUMENPULSE: PUR312T-347-CSL-S60-30K-CRI 80-2	55	4430
L2	■	14	UTILITY POLE MOUNTED	NXT 36S 2ES 350mA 4000K (TYP., TBD BY UTILITY)	42.3	4978

DECORATIVE LIGHT POLE SCHEDULE							
POLE ID	CKT	X	Y	POLE ID	CKT	X	Y
LP1	B	394199.84	685823.66	LP15	B	394123.07	686283.21
LP2	B	394183.44	685870.95	LP16	A	394114.81	686307.77
LP3	B	394176.50	685910.25	LP17	A	394102.47	686354.91
LP4	B	394185.96	685959.24	LP18	A	394109.75	686404.00
LP5	B	394199.01	686007.51	LP19	A	394131.61	686448.97
LP6	B	394199.13	686057.09	LP20	A	394153.86	686493.75
LP7	B	394183.36	686104.40	LP21	A	394168.60	686541.41
LP8	B	394167.39	686151.78	LP22	A	394164.04	686590.90
LP9	B	394151.42	686199.16	LP23	A	394148.18	686638.25
LP10	B	393953.79	686227.96	LP24	A	394132.21	686685.63
LP11	B	394000.61	686244.43	LP25	A	394116.24	686733.01
LP12	B	394135.45	686246.54	LP26	A	394100.21	686780.37
LP13	B	394047.75	686261.02	LP27	A	394084.09	686828.48
LP14	B	394094.94	686277.69				

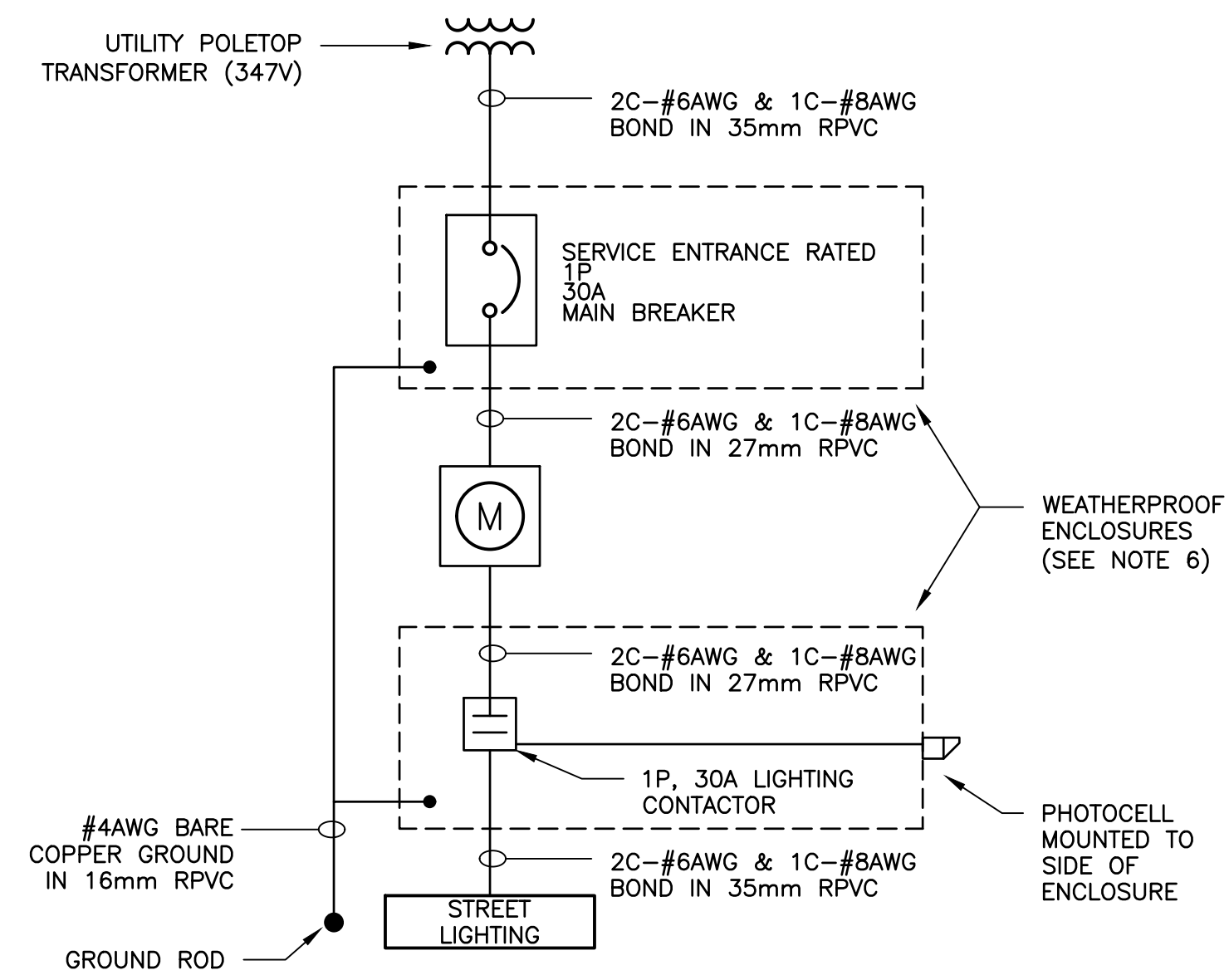
**8** DETAIL—DUCTBANK ARRANGEMENT TO LIGHT STANDARD BASE  
N.T.S.



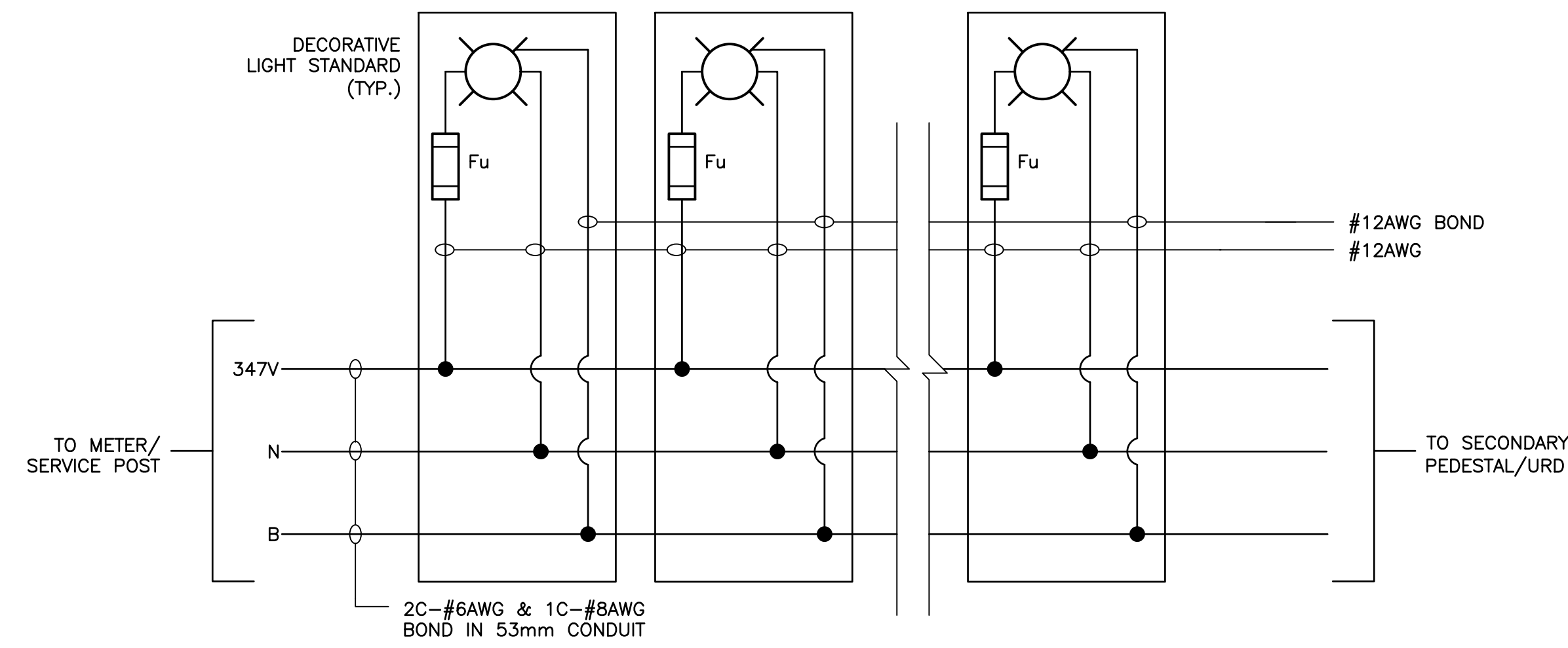
**5** DETAIL—TYPICAL LIGHTING METER POST  
1:30 (SEE NOTE 6)



**2** DETAIL—POLE & HAND HOLE APPROXIMATE CONFIGURATION  
N.T.S.



**6** DETAIL—TYPICAL SINGLE LINE DIAGRAM  
N.T.S.



**7** DETAIL—LIGHTING CIRCUIT WIRING DIAGRAM  
N.T.S.

**NOTES:**

- PEDESTRIAN CONFLICT FOR THE TRAIL IS VERY LOW DUE TO SEPARATION FROM ROADWAY. PEDESTRIAN CONFLICT IS ANTICIPATED TO BE MEDIUM AT CROSSWALKS AND LOCATIONS WHERE DRIVEWAY EXIST/WILL BE CONSTRUCTED IN FUTURE PHASES. THE DESIGN FOR PHASE 1 PROVIDES SUFFICIENT LIGHTING DISTRIBUTION FOR THE VERY LOW CONFLICT TRAIL AREAS. IT IS RECOMMENDED THAT INTERSECTION LIGHTING AND CROSSWALK LIGHTING BE REVISITED DURING LATER PHASES WHERE HIGHER PEDESTRIAN ACTIVITY MAY BE EVIDENT.
- DAVIT ARM LENGTH: 1.83m (6')
- DESIGN LIGHT LOSS FACTOR (LLF): 0.80
- TILT = 2.5° FOR UTILITY POLE MOUNTED FIXTURES.
- DECORATIVE LIGHT STANDARD SPACING: APPROX. 50m (REFER TO SHEET E01 - DISTRIBUTION & LIGHTING SYSTEM LAYOUT).
- INSTALLATION OF SERVICE EQUIPMENT SHALL COMPLY WITH MECL SERVICE ENTRANCE STANDARDS. COORDINATE INSTALLATION WITH UTILITY. HAVE INSTALLATION INSPECTED AND CERTIFIED. PAY ALL ASSOCIATED FEES.
- REFER TO MECL STANDARD UG-18-05: SECONDARY RISER ON PRIMARY VOLTAGE POLE TO METER POST.

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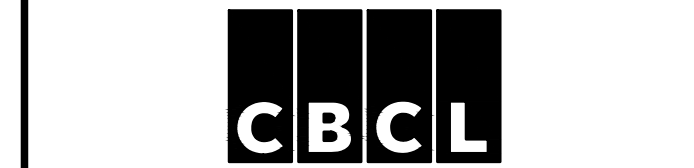
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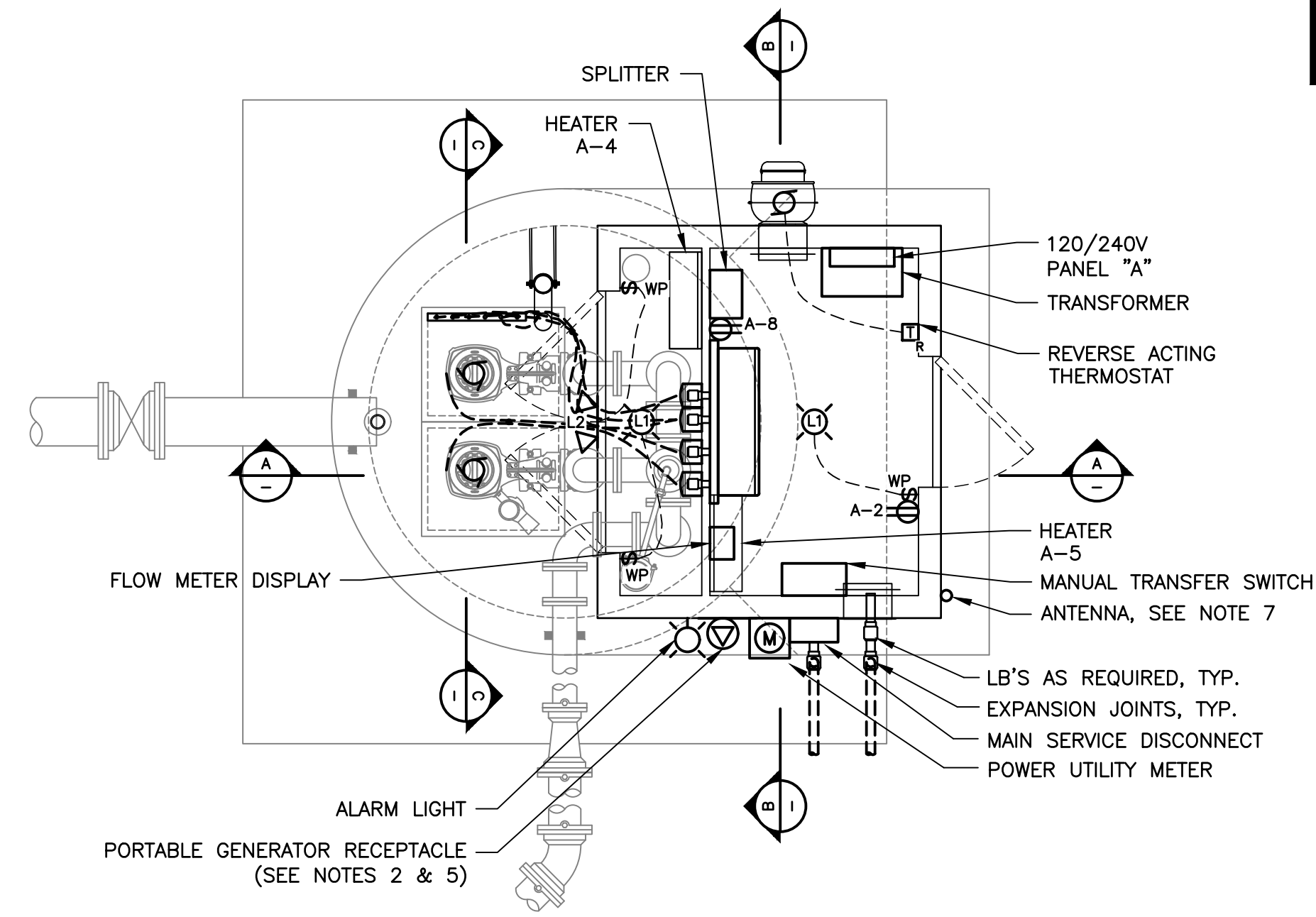
LIGHTING DETAILS

PHASE 1

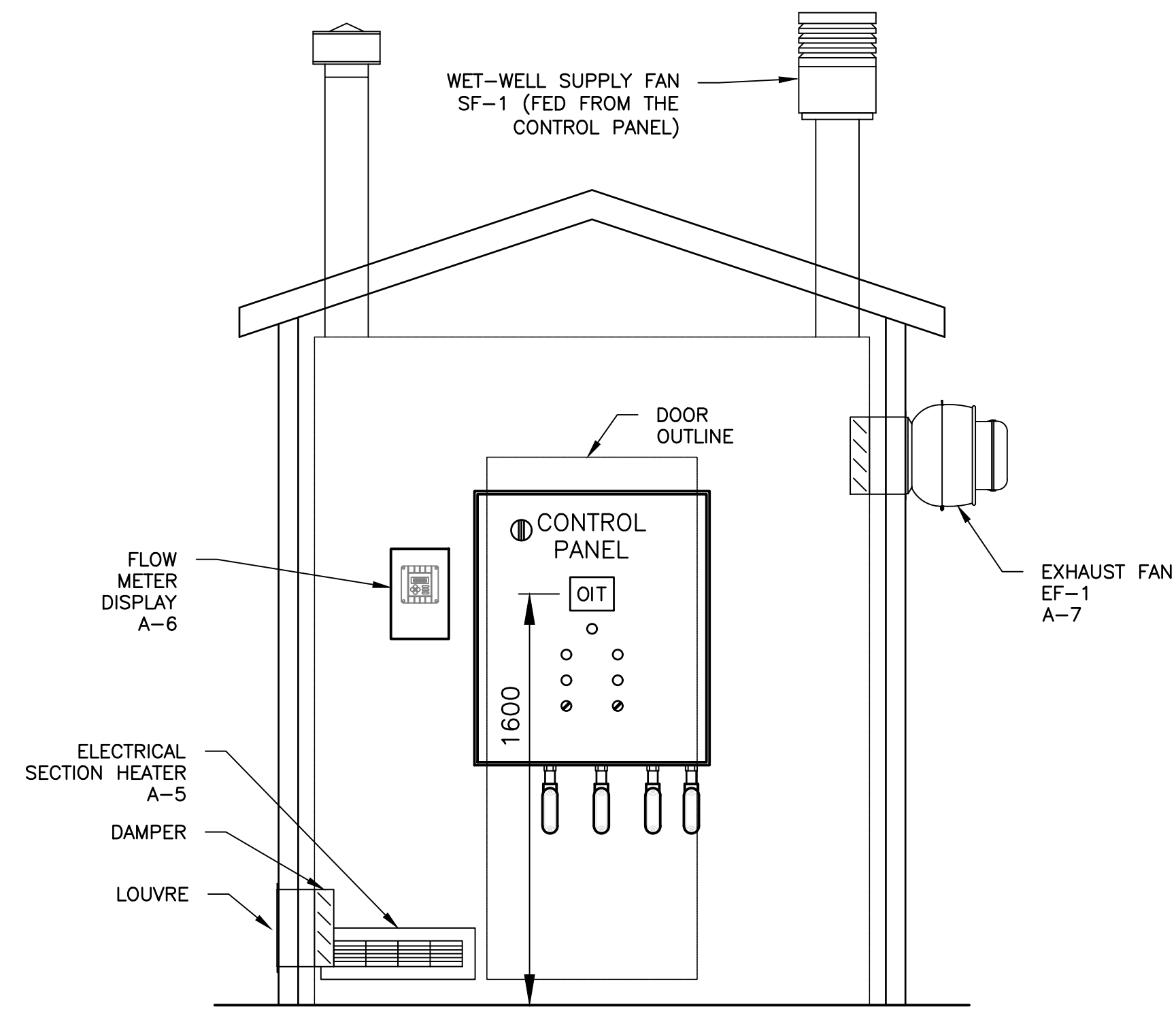


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Designed MEF	Approved MM
Checked MM	Sheet No. 4 of 6
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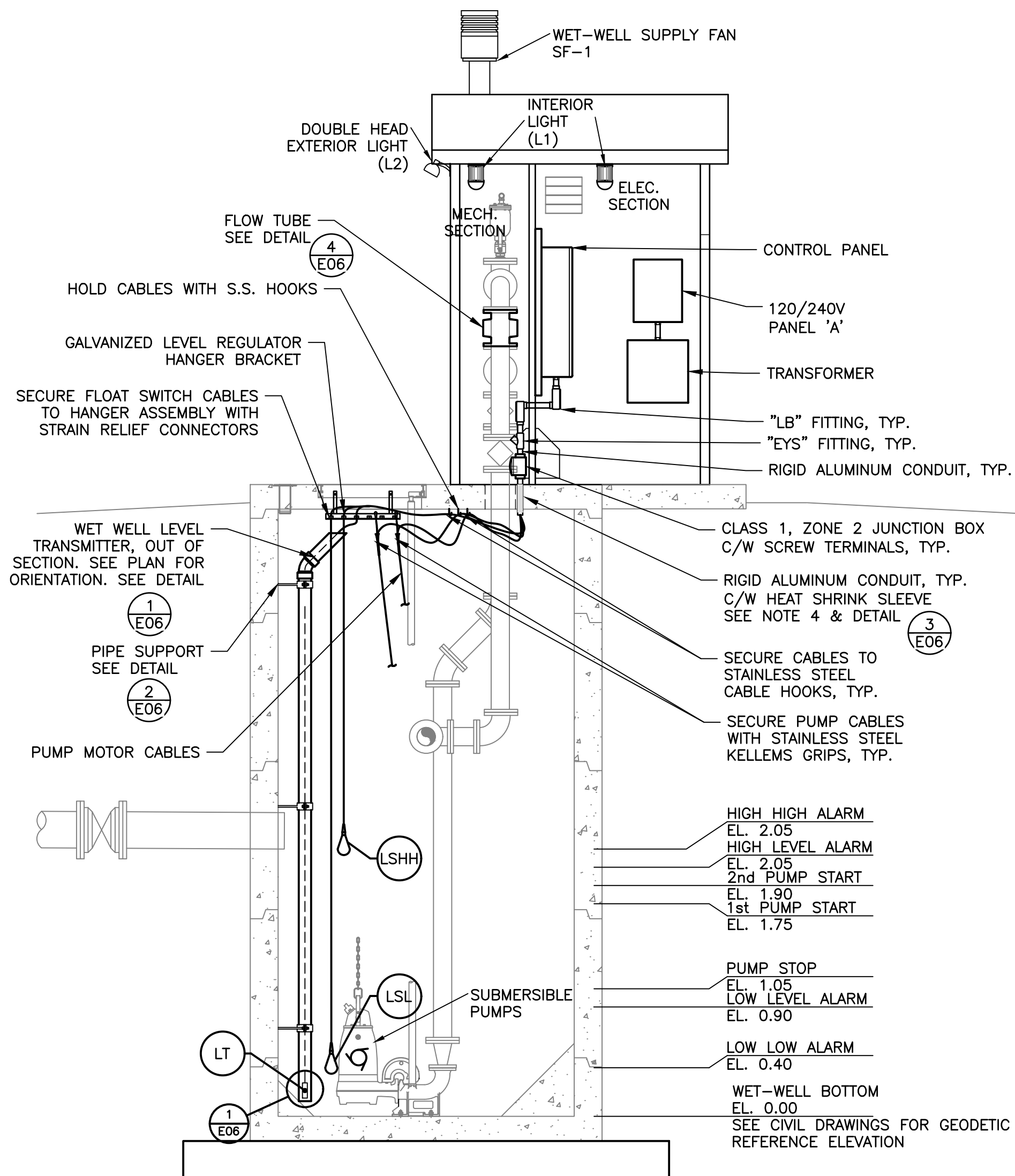
LIFT STATION WET-WELL DESIGNATED AS A ZONE 2 HAZARDOUS AREA. THE AREA AROUND EACH ACCESS HATCH IS UNCLASSIFIED.  
 THE AREA EXTENDING 0.9m RADIUS FROM A VENT PIPE SITUATED OVER THE SERVICE ENCLOSURE SHALL BE DESIGNATED AS A ZONE 2 HAZARDOUS AREA.



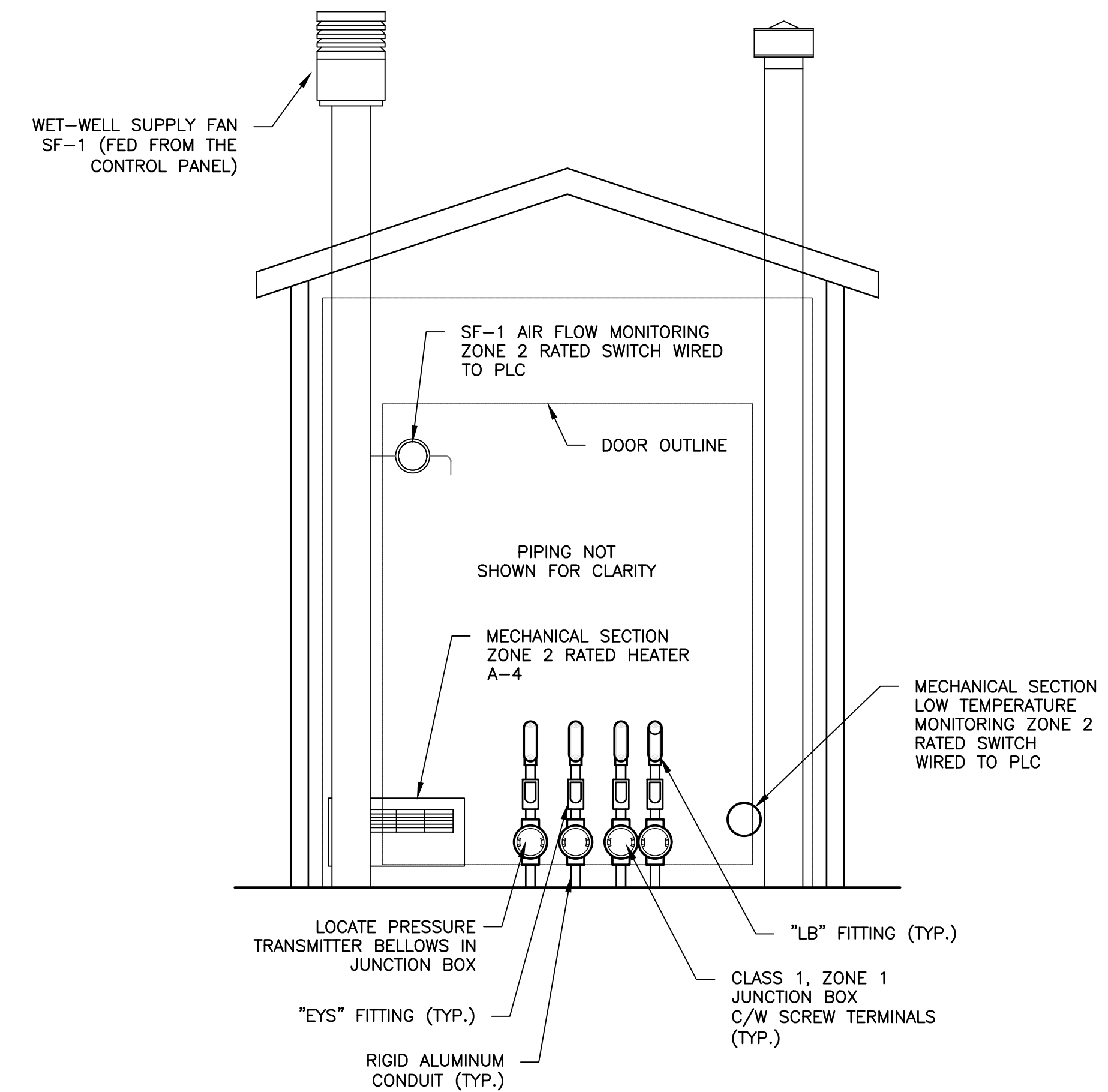
**PLAN - SEWEGAE LIFT STATION**  
1:30



**B SECTION - SERVICE ENCLOSURE (ELECTRICAL)**  
1:20



**A SECTION - LIFT STATION**  
1:30



**C SECTION - SERVICE ENCLOSURE (MECHANICAL)**  
1:20

**NOTES:**

- UNLESS OTHERWISE NOTED, ALL EQUIPMENT SHOWN IS NEW.
- GENERATOR RECEPTACLE AND MATCHING PLUG, MELTRIC 37-98147 C/W BACK BOX, ANGLE ADAPTER AND WEATHER COVER.
- REFER TO SPECIFICATION 26 90 00 FOR CONTROL PANEL.
- ALL PENETRATIONS INTO THE WET-WELL FROM THE EQUIPMENT ENCLOSURE SHALL BE SEALED AND GAS TIGHT WITH NON-SHRINK GROUT.
- SUPPLY AND INSTALL LAMICOID NAMEPLATE AT THE PORTABLE GENERATOR RECEPTACLE INDICATING "600V, 3Ø PORTABLE GENERATOR" AND "NEUTRAL FLOATING ONLY AT THE GENERATOR".
- CONFIRM LEVEL SET POINTS FOR EACH STATION WITH ENGINEER PRIOR TO INSTALLATION OF LEVEL CONTROLS.
- GROUND ANTENNA MAST AND CABLE IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE AND ELECTRICAL INSPECTION AUTHORITY HAVING JURISDICTION.

**LEGEND:**

- WP WEATHERPROOF
- ⊕ 120V, 15A GRADE DUPLEX RECEPTACLE
- \$ 120V, 20A SINGLE POLE SWITCH
- T<sub>R</sub> THERMOSTAT
- ⊗ LIGHTING FIXTURE TYPE AS INDICATED
- ⊗ FLOOD LIGHTING FIXTURE TYPE AS INDICATED
- ⊗ SINGLE PHASE MOTOR
- ⊗ THREE PHASE MOTOR
- ⊗ GENERATOR RECEPTACLE
- M METER

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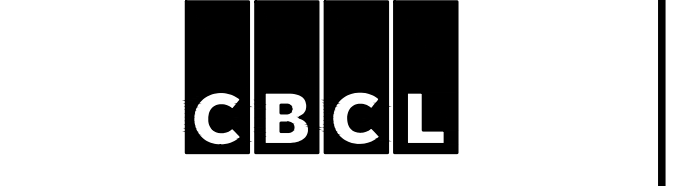
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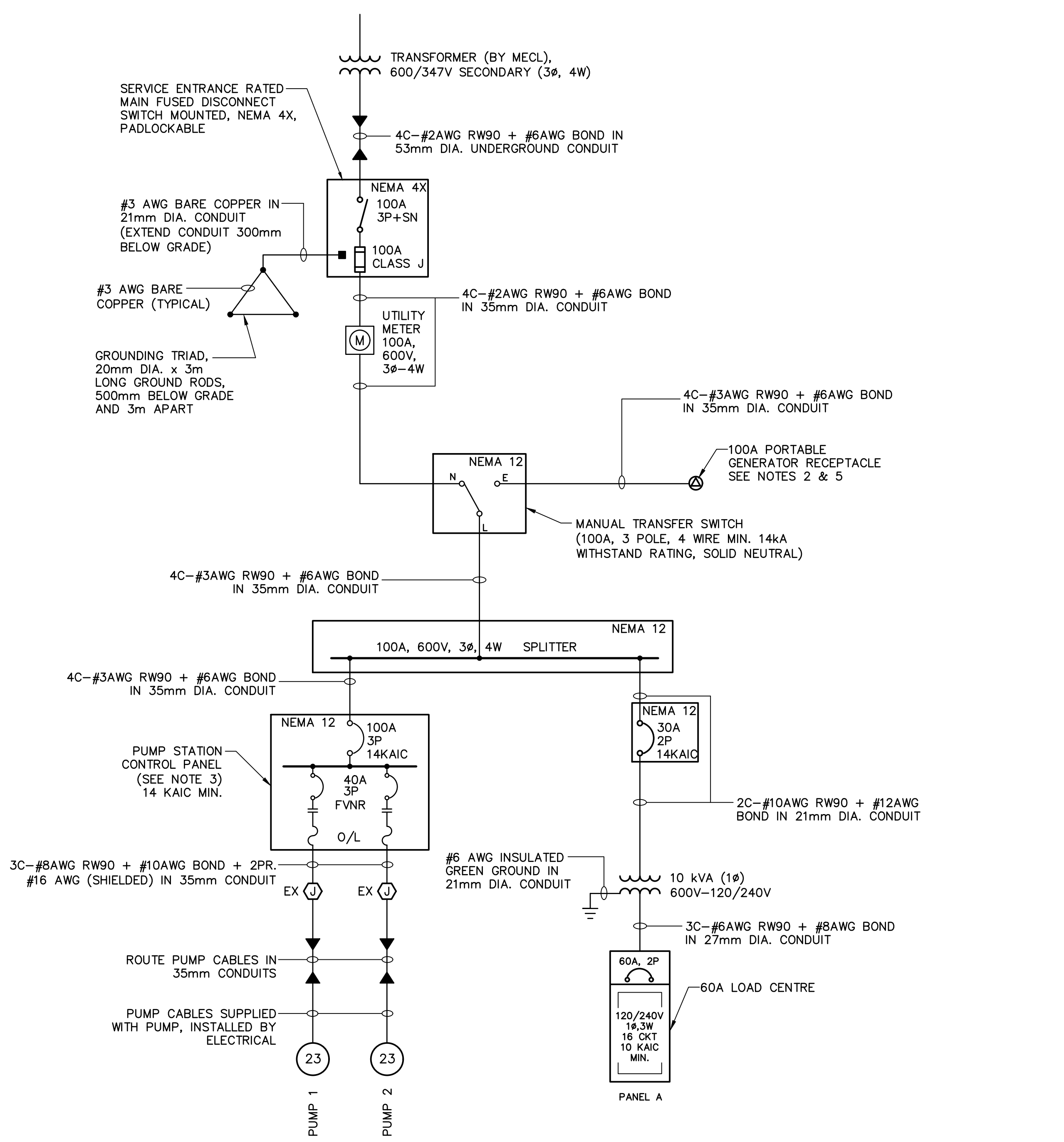
SITE SERVICING  
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LIFT STATION PLAN &  
SECTIONS

PHASE 1

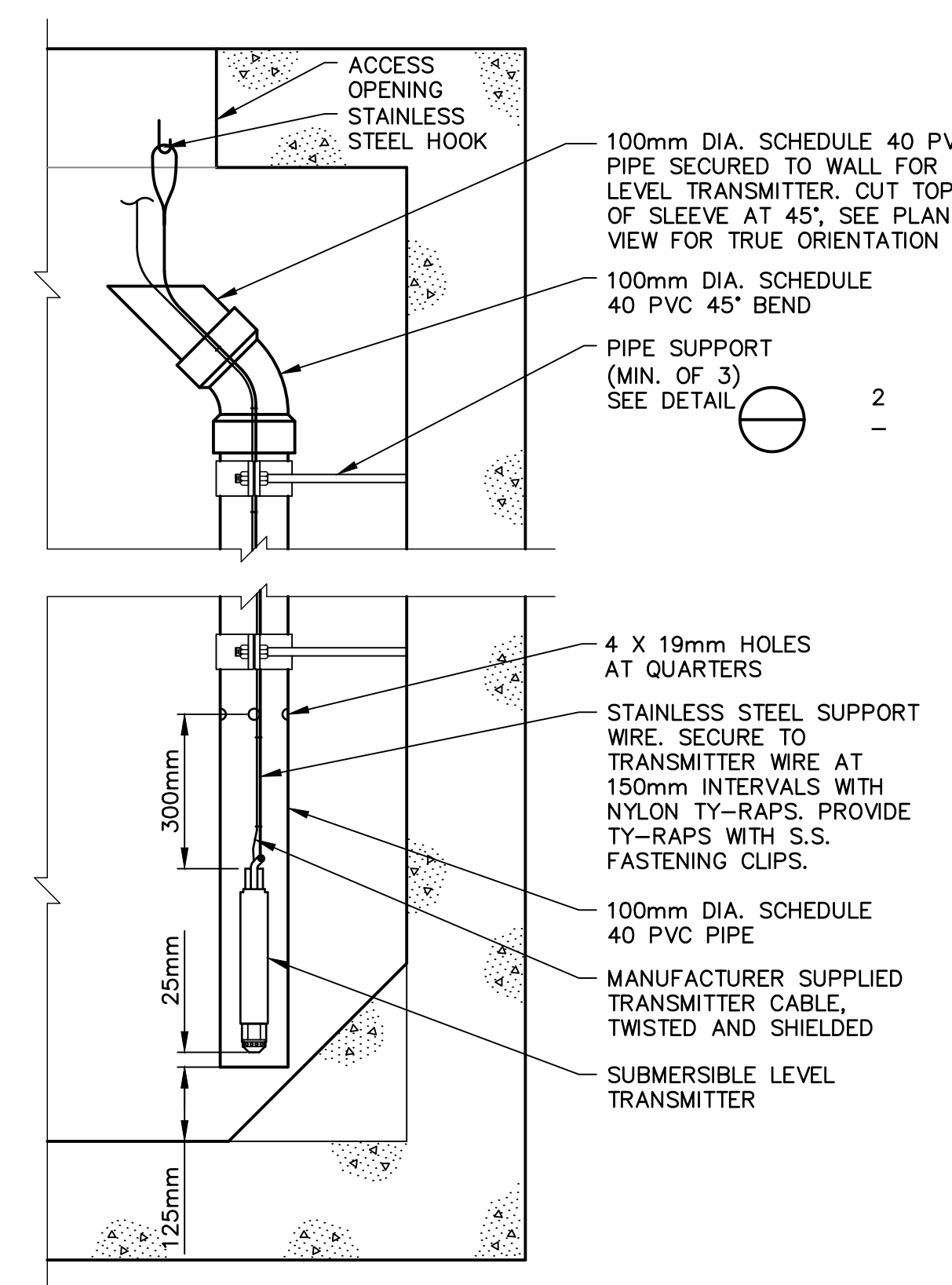


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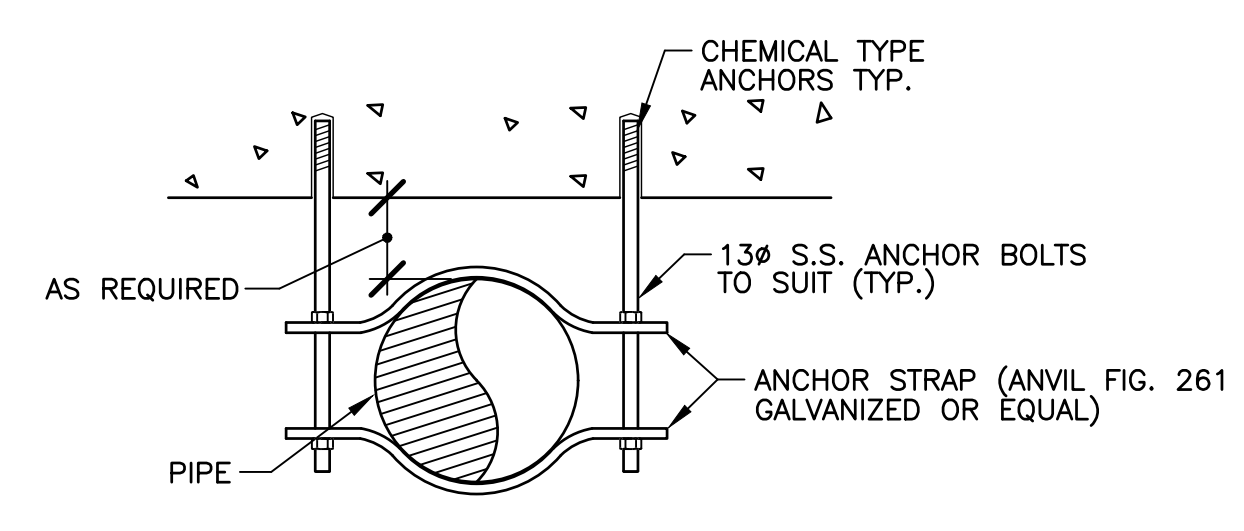


**SINGLE LINE DIAGRAM**  
N.T.S.

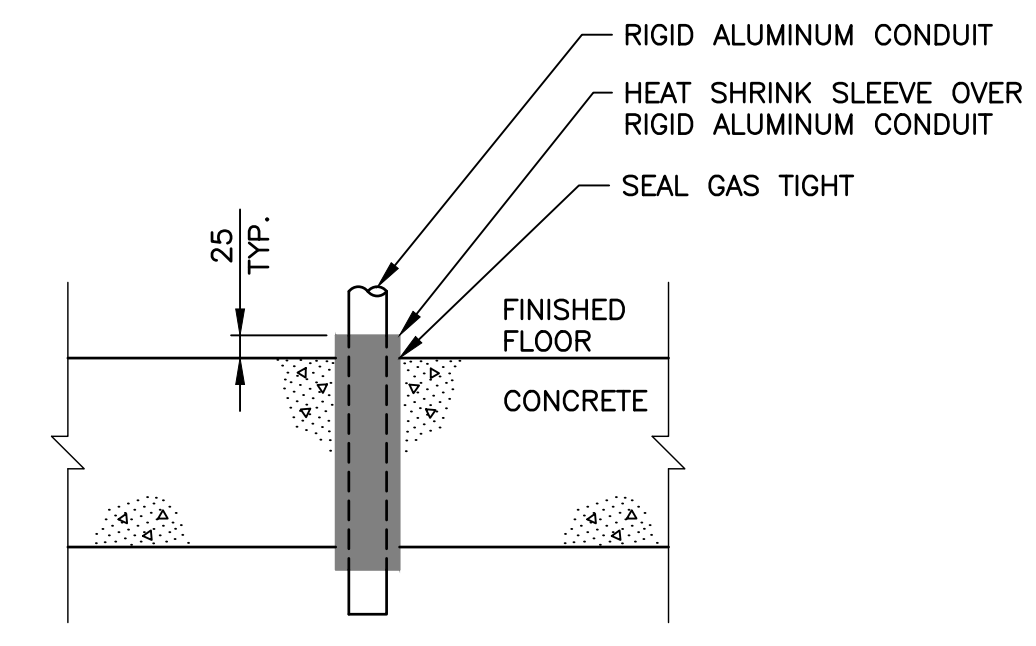
REMARKS	POWER: 120/240, 1P, 3W	PANEL: <b>PANEL A</b>	SYM. I.C.: 10,000	AMPS	REMARKS
	No. of CCTS.: 16	LOCATION: EQUIPMENT ENCLOSURE	MAINS: 60A	AMPS	
		FED FROM: TRANSFORMER	ENTER AT: =	MTG. =	
	DESIGNATION	LOAD	CIR.		DESIGNATION
	LIGHTS - INTERIOR	100	1	15A	RECEPTACLE
	LIGHTS - EXTERIOR	100	3	15A	ELECTRIC HEATER (MECHANICAL SIDE)
	ELECTRIC HEATER (ELECTRICAL SIDE)	1000	5	15A	FLOW METER
	VENTILATION FAN (ELECTRICAL SIDE)	150	7	15A	RECEPTACLE
	SPARE		9	15A	SPARE
	SPACE		11		SPACE
	SPACE		13		SPACE
	SPACE		15		SPACE
	PHASE A - TOTAL				
	PHASE B - TOTAL				
	TOTAL LOAD: _____ KW _____ AMP.				
	REMARKS: ① PANEL c/w MAIN BREAKER ② PANEL GFCI BREAKER				



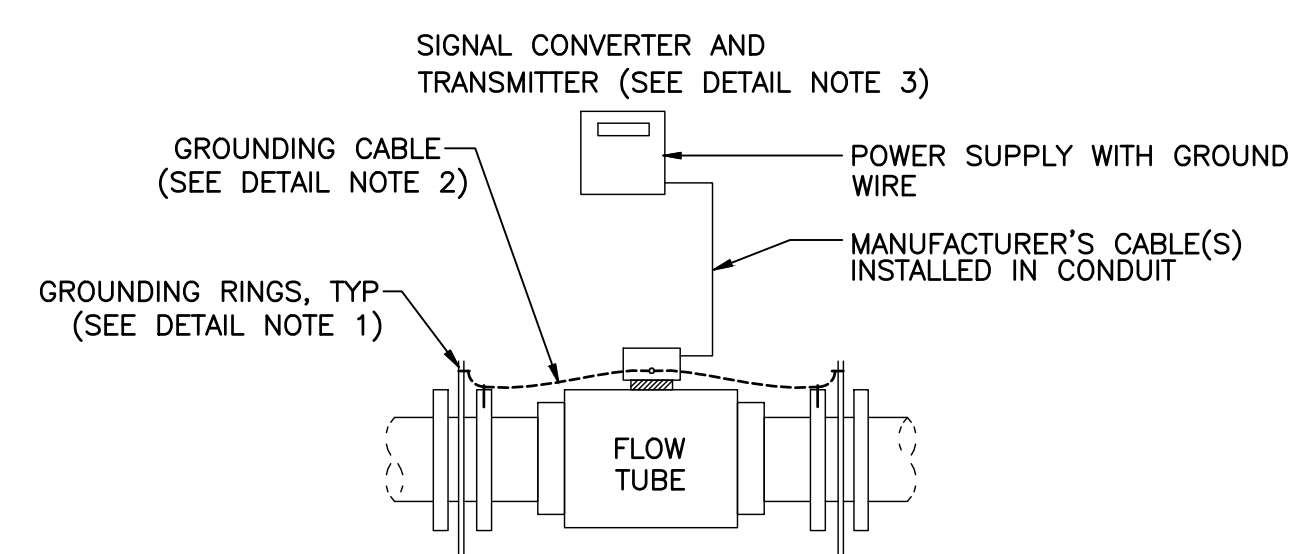
**1 DETAIL - WET WELL LEVEL TRANSMITTER**  
N.T.S.



**2 DETAIL - PIPE SUPPORT**  
N.T.S.



**3 DETAIL - TYPICAL CONDUIT STUB UP AND HEAT SHRINK SLEEVE**  
N.T.S.



- DETAIL NOTES:**
- MAGNETIC FLOW METERS SHALL BE INSTALLED WITH GROUNDING RINGS AND PROPER GROUNDING.
  - GROUNDING CABLE SHALL BE #10 AWG INSULATED. IF THE LENGTH OF CABLE EXCEEDS 1.8m IT SHALL BE INSTALLED IN A 21mm CONDUIT.
  - THE SIGNAL CONVERTER AND TRANSMITTER SHALL BE REMOTELY MOUNTED. REFER TO DRAWINGS FOR TRANSMITTER LOCATIONS.
  - FOR SPECIAL CASES SUCH AS PIPELINES WITH CATHODIC PROTECTION, INSTALL GROUNDING PER MANUFACTURER'S RECOMMENDATIONS.

**4 DETAIL - MAGNETIC FLOW METER INSTALLATION (REMOTE TRANSMITTER)**  
N.T.S.

**NOTES:**  
1. SEE ALL DRAWINGS FOR ADDITIONAL NOTES & DETAILS.

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**LIFT STATION SINGLE LINE DIAGRAM & DETAILS**

PHASE 1



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Drawing No. <b>E06</b>	