

NOTE:

1. PAVEMENT LINE MARKING LAYOUT WILL BE PROVIDED BY OWNER TO SELECTED CONTRACTOR DURING THE WORK.
2. CONSTRUCTION FIELD TESTING ALLOWANCE OF \$16,500.00

GENERAL SCOPE OF WORK:

1. MOBILIZATION/DEMobilIZATION
2. INSTALL TEMPORARY FREE STANDING METALLIC FENCING OF MINIMUM 2.0 M HEIGHT TO ENCLOSE THE CONSTRUCTION AREA IN EVERY PHASE.

- LEGENDS:**
- ASPHALT REHABILITATION AREA
 - EXISTING CONCRETE PAD TO BE REPLACED WITH ASPHALT
 - PROPOSED TURF
 - CATCH BASIN
 - MANHOLE
 - BOLLARD
 - FENCE POST

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 2121 ARGENTIA ROAD, SUITE 401
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NORTH

ISSUED FOR:	DATE (Y-M-D):
1. DRAFT LAYOUT	2024-01-26
2. DRAFT LAYOUT	2024 -02-07
3. TENDER	2024-02-26
4. TENDER R-1	2024-03-21
5. TENDER R-2	2024-04-09

SHEET TITLE:
2024 PAVEMENT REHABILITATION AND SITE IMPROVEMENT

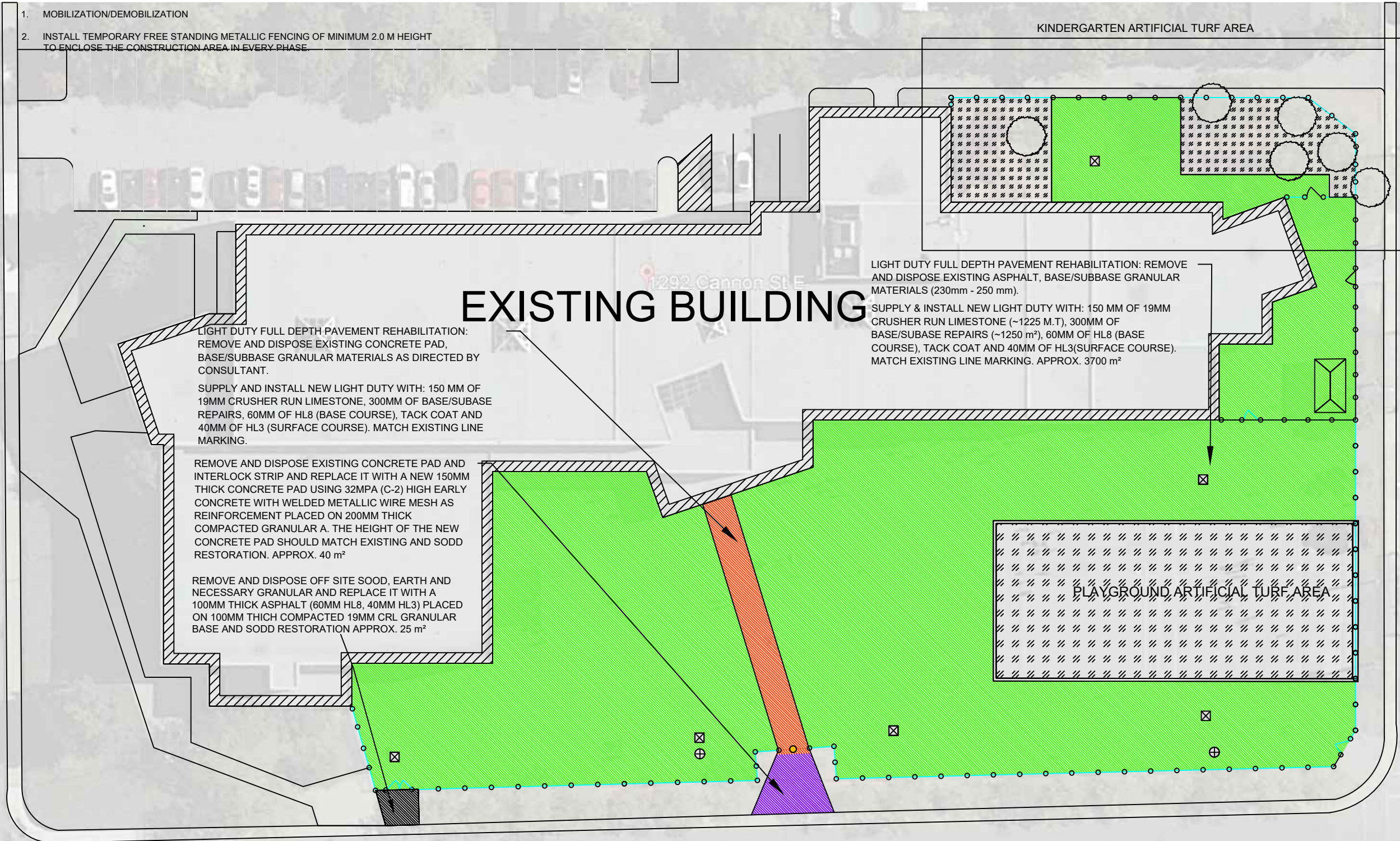
CLIENT:

PROJECT ADDRESS:
**1292 CANNON STREET EAST
 HAMILTON, ON**

FOR CLIENT'S SOLE USE PER GOVERNING CONTRACT AND LIMITED TO APPLICABLE PROJECT. NO MODIFICATIONS OR REPRODUCTIONS WITHOUT WRITTEN APPROVAL OF RIMKUS. CONTRACTOR SOLELY RESPONSIBLE FOR VERIFYING ALL DIMENSIONS.

MATTER NO:	100241787
WORK ORDER NO:	-
DATE (Y-M-D):	2024-04-09
DESIGNED BY:	RIMKUS
DRAWN BY:	H.C
CHECKED BY:	M.M
SCALE:	N.T.S

DRAWING NO:
D1
 SHEET NO: 1 OF 7



LIGHT DUTY FULL DEPTH PAVEMENT REHABILITATION: REMOVE AND DISPOSE EXISTING CONCRETE PAD, BASE/SUBBASE GRANULAR MATERIALS AS DIRECTED BY CONSULTANT.

SUPPLY AND INSTALL NEW LIGHT DUTY WITH: 150 MM OF 19MM CRUSHER RUN LIMESTONE, 300MM OF BASE/SUBBASE REPAIRS, 60MM OF HL8 (BASE COURSE), TACK COAT AND 40MM OF HL3 (SURFACE COURSE). MATCH EXISTING LINE MARKING. APPROX. 40 m²

REMOVE AND DISPOSE EXISTING CONCRETE PAD AND INTERLOCK STRIP AND REPLACE IT WITH A NEW 150MM THICK CONCRETE PAD USING 32MPA (C-2) HIGH EARLY CONCRETE WITH WELDED METALLIC WIRE MESH AS REINFORCEMENT PLACED ON 200MM THICK COMPACTED GRANULAR A. THE HEIGHT OF THE NEW CONCRETE PAD SHOULD MATCH EXISTING AND SODD RESTORATION. APPROX. 40 m²

REMOVE AND DISPOSE OFF SITE SODD, EARTH AND NECESSARY GRANULAR AND REPLACE IT WITH A 100MM THICK ASPHALT (60MM HL8, 40MM HL3) PLACED ON 100MM THICK COMPACTED 19MM CRL GRANULAR BASE AND SODD RESTORATION APPROX. 25 m²

LIGHT DUTY FULL DEPTH PAVEMENT REHABILITATION: REMOVE AND DISPOSE EXISTING ASPHALT, BASE/SUBBASE GRANULAR MATERIALS (230mm - 250 mm).

SUPPLY & INSTALL NEW LIGHT DUTY WITH: 150 MM OF 19MM CRUSHER RUN LIMESTONE (~1225 M.T), 300MM OF BASE/SUBBASE REPAIRS (~1250 m²), 60MM OF HL8 (BASE COURSE), TACK COAT AND 40MM OF HL3(SURFACE COURSE). MATCH EXISTING LINE MARKING. APPROX. 3700 m²

C:\WORKING 2022\KG\2024\SP\SCHOOLOUQUEEN\MARYREV1-D1-K.G.DWG

GENERAL SCOPE OF WORK:

1. REMOVE, STORE ON SITE EXISTING BLACKBOARD AND PLAY STRUCTURE AND REINSTATE IN THE EXACT SAME LOCATION AS PER THE DIRECTIONS OF OWNER.
2. REMOVE, RELOCATE AND REINSTALL EXISTING BENCH AS DIRECTED BY THE CONSULTANT OR OWNER. THE COST SHOULD INCLUDE ALL NECESSARY EXCAVATIONS AND BACKFILL FOR EXISTING FOUNDATION AND INSTALLING NEW FOUNDATION AT THE NEW LOCATIONS. THE HEIGHT OF THE BENCH INSTALLED SHOULD MATCH EXISTING.
3. REMOVE AND DISPOSE OFF SITE DEBRIS/SETTLEMENTS USING VAC TRUCK FROM EXISTING CATCH BASIN LOCATED IN THE KINDERGARTEN AREA.
4. REMOVE AND DISPOSE OFF SITE DEBRIS/SETTLEMENTS USING VAC TRUCK FROM EXISTING CATCH BASINS LOCATED IN THE AREA OF REHABILITATION AFTER COMPLETION OF ALL ASPHALT WORK.
5. LANDSCAPING RESTORATION FOR THE AFFECTED SECTIONS. THE COST INCLUDE NECESSARY GRADING, TOP SOIL, SOD INSTALLATION AND ALL OTHER WORK.

1. REMOVE AND DISPOSE OFF-SITE EXISTING WOODEN STRUCTURE IN KINDERGARTEN PLAY AREA.
2. REMOVE AND DISPOSE OFF SITE EXISTING WOODEN DECK, TIMBER CURBS AND ALL OTHER ITEMS IN THE KINDERGARTEN PLAY AREA AS DIRECTED BY THE ENGINEER AND OWNER.

REMOVE AND DISPOSE OFF EXISTING STEEL BOLLARD WITH FOUNDATION AND INSTALL NEW 8" STEEL BOLLARD ALONG WITH FOUNDATION, SUPPLYING AND INSTALLING YELLOW REFLECTIVE SLEEVES, AND OTHER FIXTURES AS REQUIRED. SEE ATTACHED DRAWING #2AC13.

EXISTING BUILDING

EXISTING STRUCTURE TO REMAIN IN PLACE

REMOVE EXISTING FENCE AND REPLACE WITH NEW 5' FENCE

REMOVE EXISTING FENCE AND REPLACE WITH NEW 5' FENCE

REMOVE, STORE ON SITE EXISTING SIGN POST ALONG WITH SIGNAGE AND REINSTALL AT THE EXACT SAME LOCATION AFTER COMPLETION OF FENCE WORK.

REMOVE EXISTING FENCE AND REPLACE WITH NEW 5' FENCE

REMOVE EXISTING FENCE AND REPLACE WITH NEW 5' FENCE

REMOVE EXISTING FENCE AND REPLACE WITH NEW 5' FENCE

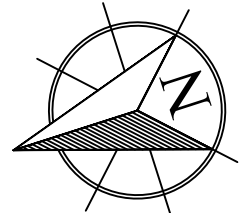
PROVINCE ST N

- LEGENDS:
- EXISTING CONCRETE PAD TO BE REPLACED WITH ASPHALT
 - PROPOSED TURF
 - BLACKBOARD AND PLAY STRUCTURE
 - CATCH BASIN
 - MANHOLE
 - BOLLARD
 - FENCE POST



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1. TENDER	2024-02-26
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3. TENDER R-2	2024-04-09
4.	
5.	

SHEET TITLE:
2024 PAVEMENT REHABILITATION AND SITE IMPROVEMENT



PROJECT ADDRESS:
**1292 CANNON STREET EAST
HAMILTON, ON**

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WORK ORDER NO:	-
DATE (Y-M-D):	2024-04-09
DESIGNED BY:	RIMKUS
DRAWN BY:	H.C
CHECKED BY:	M.M
SCALE:	N.T.S

DRAWING NO:
D2

SHEET NO: 2 OF 7

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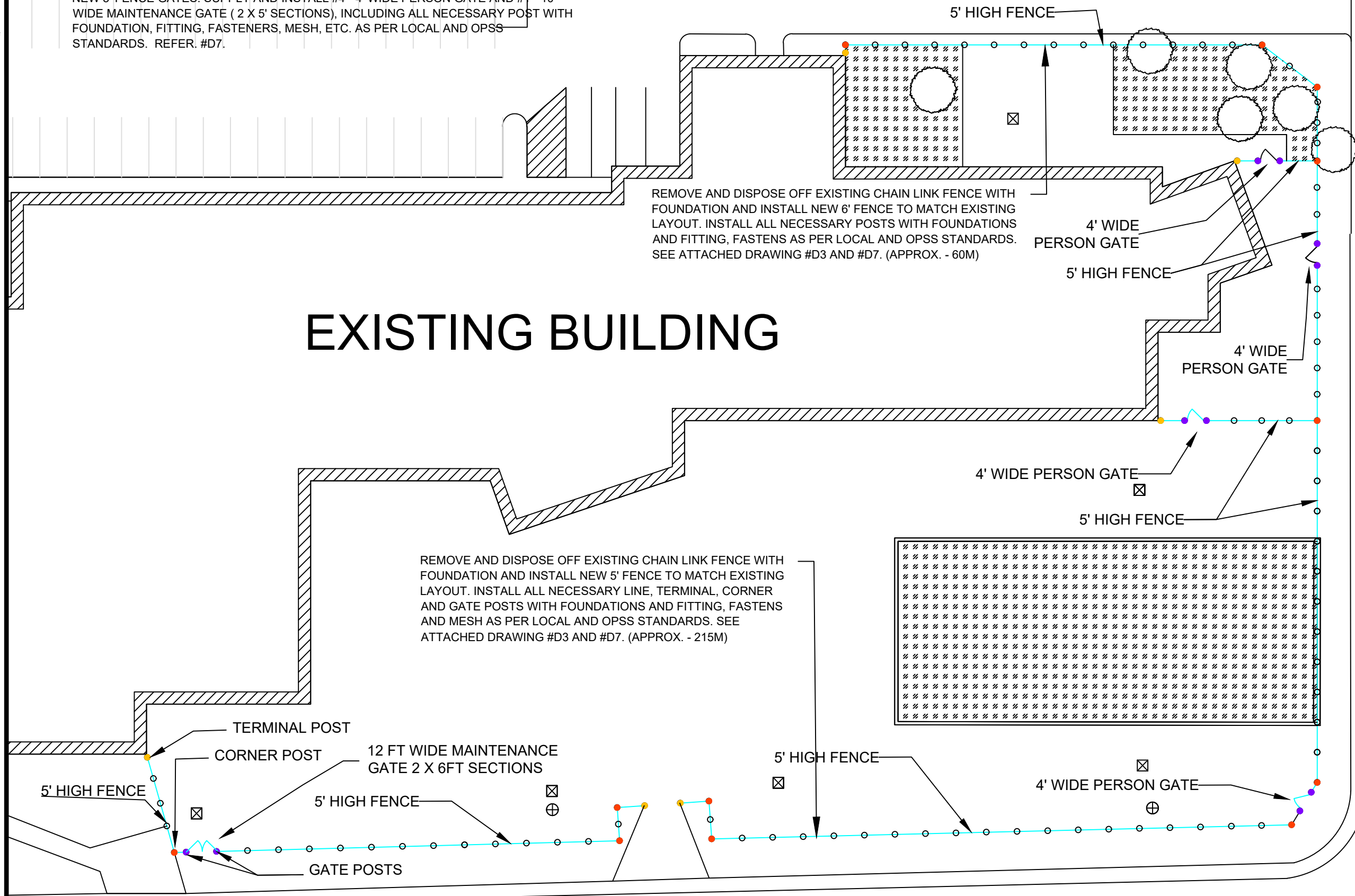
GENERAL SCOPE OF WORK:

1. REMOVE AND DISPOSE OFF EXISTING CHAIN LINK FENCE GATES AND REPLACE WITH NEW 5' FENCE GATES. SUPPLY AND INSTALL #4 - 4' WIDE PERSON GATE AND #1 - 10' WIDE MAINTENANCE GATE (2 X 5' SECTIONS), INCLUDING ALL NECESSARY POST WITH FOUNDATION, FITTING, FASTENERS, MESH, ETC. AS PER LOCAL AND OPSS STANDARDS. REFER. #D7.

REMOVE AND DISPOSE OFF EXISTING CHAIN LINK FENCE WITH FOUNDATION AND INSTALL NEW 6' FENCE TO MATCH EXISTING LAYOUT. INSTALL ALL NECESSARY POSTS WITH FOUNDATIONS AND FITTING, FASTENS AS PER LOCAL AND OPSS STANDARDS. SEE ATTACHED DRAWING #D3 AND #D7. (APPROX. - 60M)

EXISTING BUILDING

REMOVE AND DISPOSE OFF EXISTING CHAIN LINK FENCE WITH FOUNDATION AND INSTALL NEW 5' FENCE TO MATCH EXISTING LAYOUT. INSTALL ALL NECESSARY LINE, TERMINAL, CORNER AND GATE POSTS WITH FOUNDATIONS AND FITTING, FASTENS AND MESH AS PER LOCAL AND OPSS STANDARDS. SEE ATTACHED DRAWING #D3 AND #D7. (APPROX. - 215M)



- LEGENDS:**
- LINE POST - 60 MM
 - TERMINAL POST - 90 MM
 - CORNER POST - 90 MM
 - GATE POST - 115 MM
 - FENCE LAYOUT
 - ▨ PROPOSED TURF
 - ⊠ CATCH BASIN

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SHEET TITLE:
CHAIN LINK FENCE LAYOUT DETAILS

CLIENT:
HWDSB

PROJECT ADDRESS:
**1292 CANNON STREET EAST
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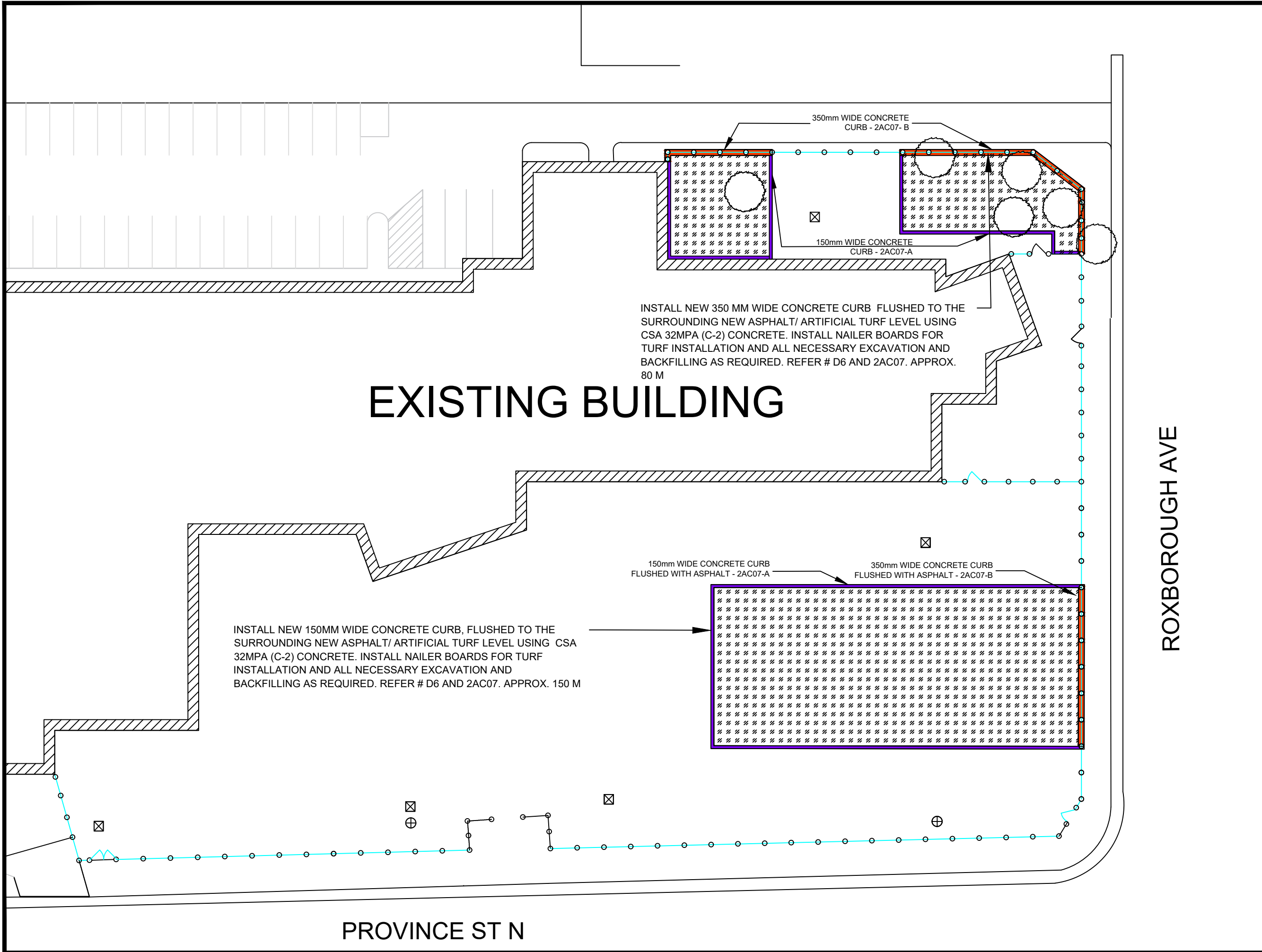
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DESIGNED BY:	RIMKUS
DRAWN BY:	H.C
CHECKED BY:	M.M
SCALE:	N.T.S

DRAWING NO:
D3

SHEET NO: 3 OF 7

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EXISTING BUILDING

INSTALL NEW 350 MM WIDE CONCRETE CURB FLUSHED TO THE SURROUNDING NEW ASPHALT/ ARTIFICIAL TURF LEVEL USING CSA 32MPA (C-2) CONCRETE. INSTALL NAILER BOARDS FOR TURF INSTALLATION AND ALL NECESSARY EXCAVATION AND BACKFILLING AS REQUIRED. REFER # D6 AND 2AC07. APPROX. 80 M

INSTALL NEW 150MM WIDE CONCRETE CURB, FLUSHED TO THE SURROUNDING NEW ASPHALT/ ARTIFICIAL TURF LEVEL USING CSA 32MPA (C-2) CONCRETE. INSTALL NAILER BOARDS FOR TURF INSTALLATION AND ALL NECESSARY EXCAVATION AND BACKFILLING AS REQUIRED. REFER # D6 AND 2AC07. APPROX. 150 M

150mm WIDE CONCRETE CURB FLUSHED WITH ASPHALT - 2AC07-A

350mm WIDE CONCRETE CURB FLUSHED WITH ASPHALT - 2AC07-B

- LEGENDS:
- 350 MM WIDE CURB
 - 150 MM WIDE CURB
 - FENCE LAYOUT
 - PROPOSED TURF
 - CATCH BASIN

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SHEET TITLE:
CONCRETE TURF ANCHOR CURB LAYOUT DETAILS

CLIENT: **HWDSB**

PROJECT ADDRESS:
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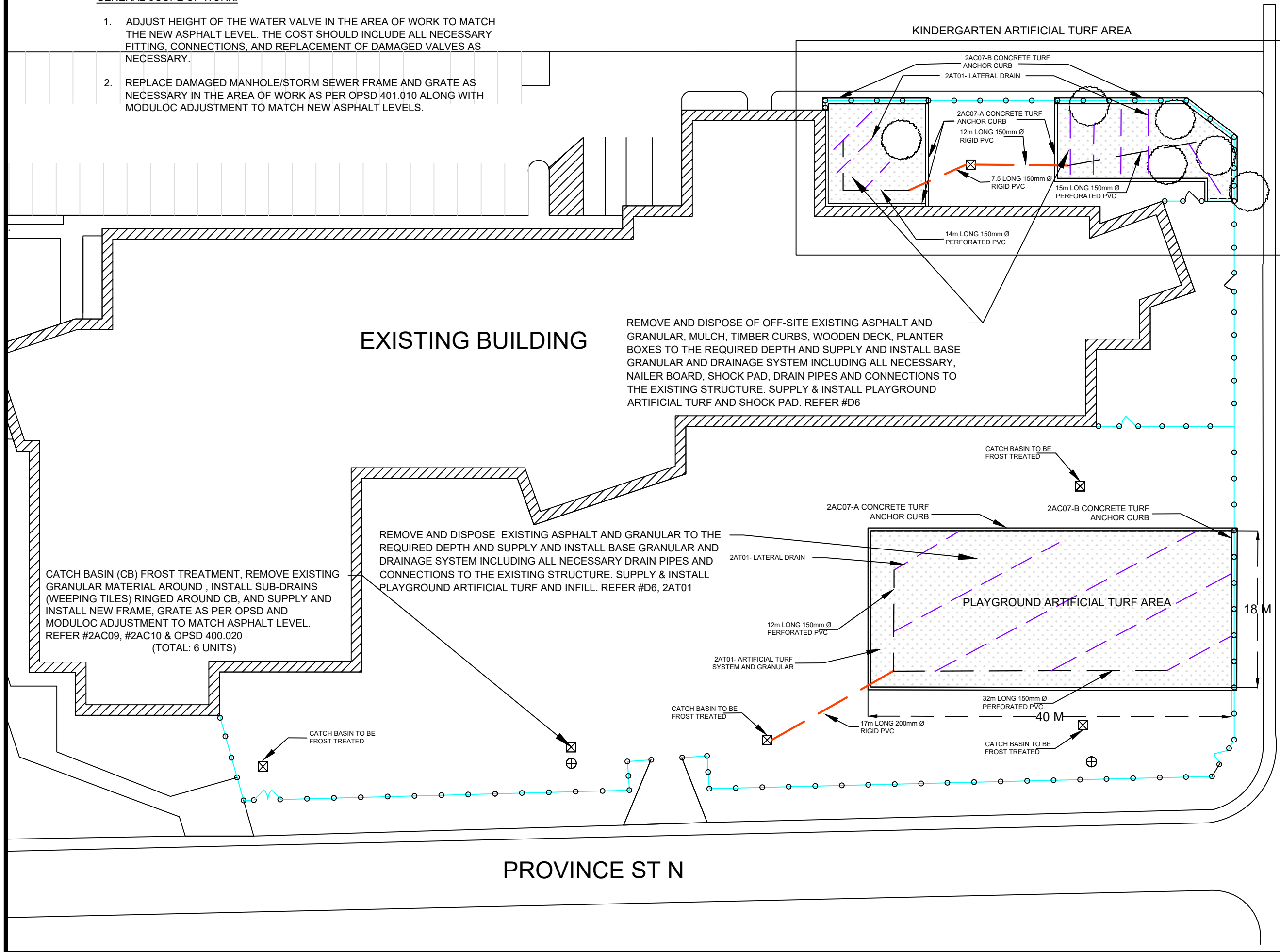
MATTER NO:	100241787
WORK ORDER NO:	-
DATE (Y-M-D):	2024-04-09
DESIGNED BY:	RIMKUS
DRAWN BY:	H.C
CHECKED BY:	M.M
SCALE:	N.T.S

DRAWING NO: **D4**
SHEET NO: 4 OF 7

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GENERAL SCOPE OF WORK:

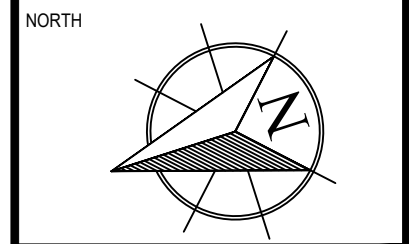
1. ADJUST HEIGHT OF THE WATER VALVE IN THE AREA OF WORK TO MATCH THE NEW ASPHALT LEVEL. THE COST SHOULD INCLUDE ALL NECESSARY FITTING, CONNECTIONS, AND REPLACEMENT OF DAMAGED VALVES AS NECESSARY.
2. REPLACE DAMAGED MANHOLE/STORM SEWER FRAME AND GRATE AS NECESSARY IN THE AREA OF WORK AS PER OPSD 401.010 ALONG WITH MODULOC ADJUSTMENT TO MATCH NEW ASPHALT LEVELS.



- LEGENDS:**
- FENCE LAYOUT
 - ▨ PROPOSED TURF
 - ⊠ CATCH BASIN
 - ⊕ MANHOLE

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3. TENDER R-2	2024-04-09
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5.	

SHEET TITLE:

ARTIFICIAL TURF LAYOUT AND DRAINAGE DETAILS

CLIENT:

HWDSB

PROJECT ADDRESS:

**1292 CANNON STREET EAST
HAMILTON, ON**

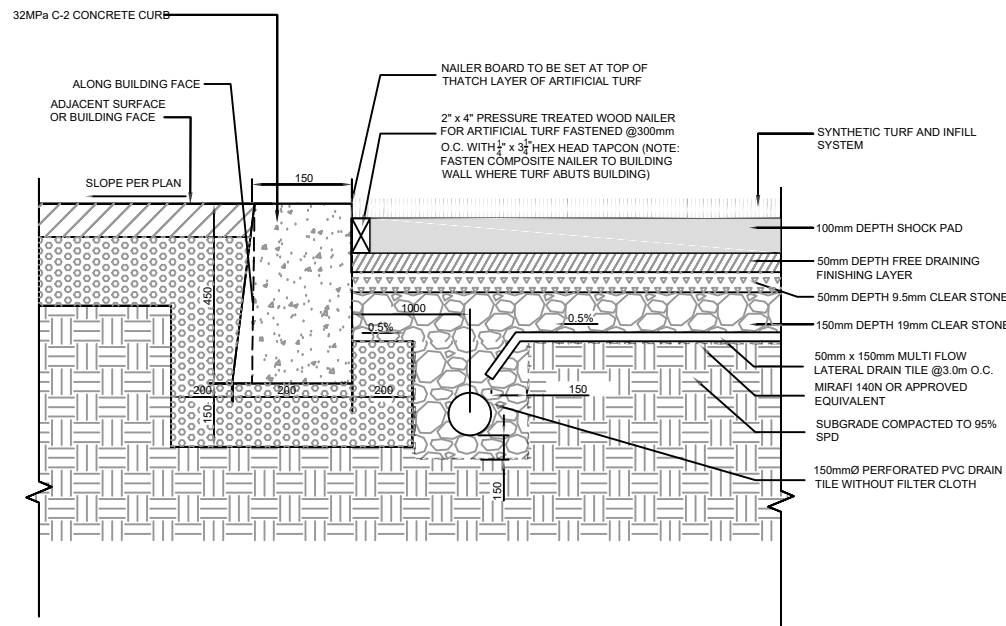
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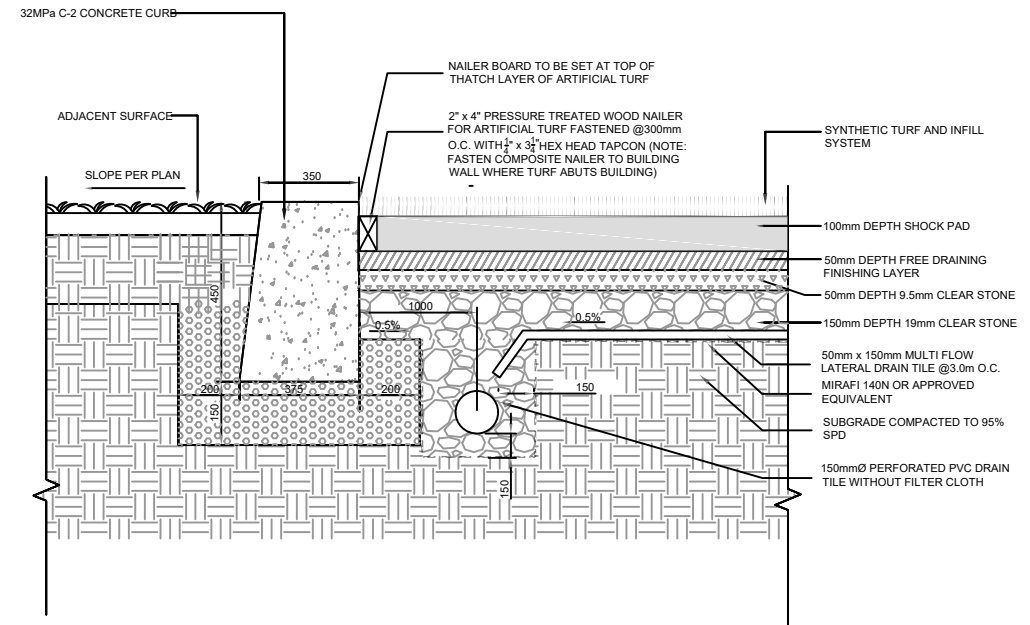
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D5

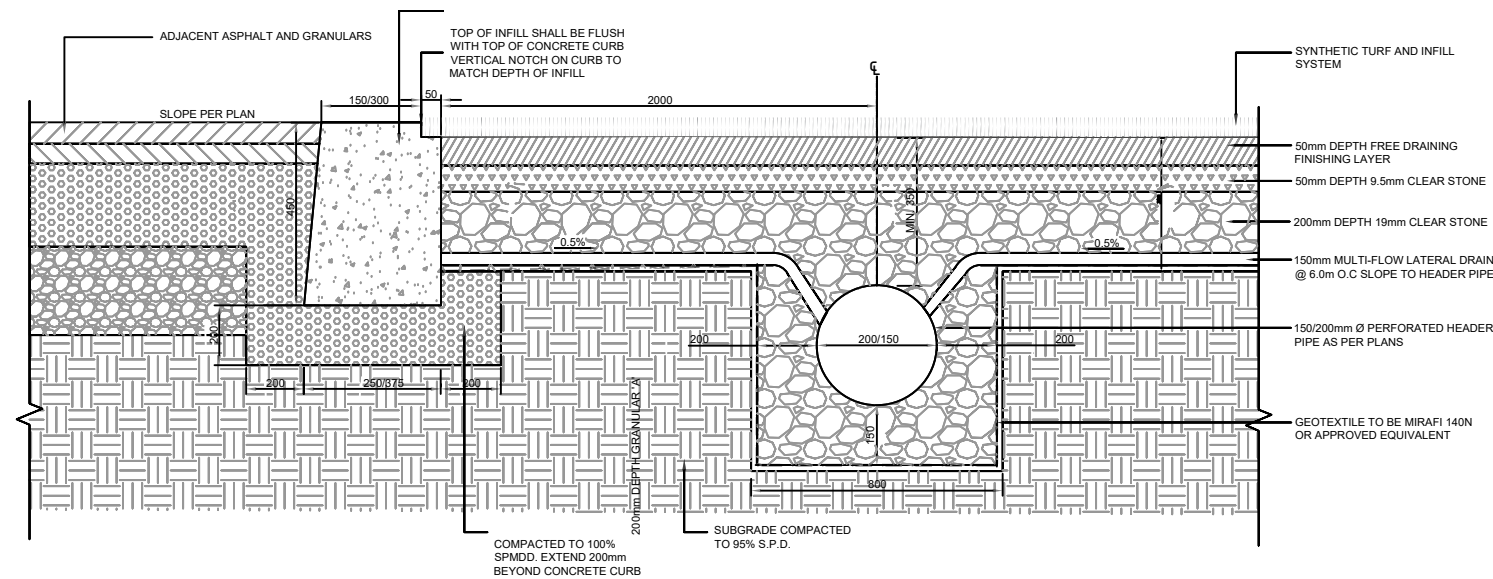
SHEET NO: 5 OF 7



2AC07 - A - 150mm WIDE CONCRETE CURB FLUSHED WITH ASPHALT



2AC07 - B - 300mm WIDE CONCRETE CURB FLUSHED WITH ASPHALT



2AT01 - ARTIFICIAL TURF SYSTEM AND GRANULAR STRUCTURE

LEGENDS:



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SHEET TITLE:

CONCRETE CURB AND
ARTIFICIAL TURF GRANULAR
STRUCTURE DETAILS

CLIENT:



PROJECT ADDRESS:

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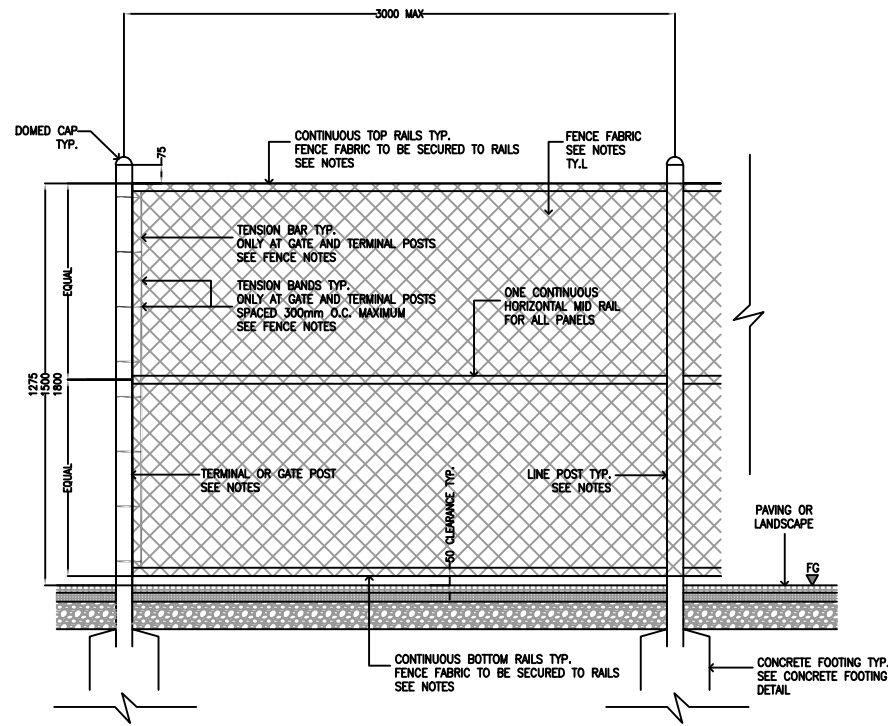
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SCALE: N.T.S

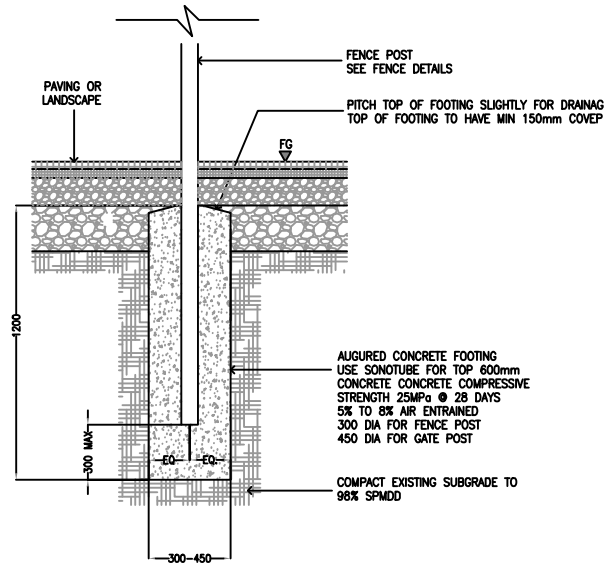
DRAWING NO: D6

SHEET NO: 6 OF 7

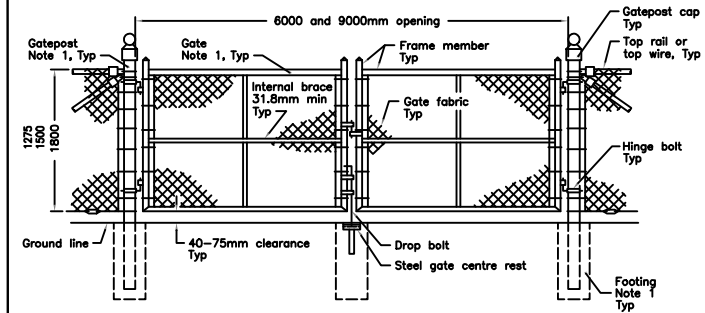


- NOTES:
- SEE FENCE NOTES IN TITLE BLOCK OF THIS DRAWING
 - WHEREVER CHAINLINK FENCE IS ADJACENT TO CURB, THE BOTTOM RAIL TO BE 50mm ABOVE THE TOP OF CURB.

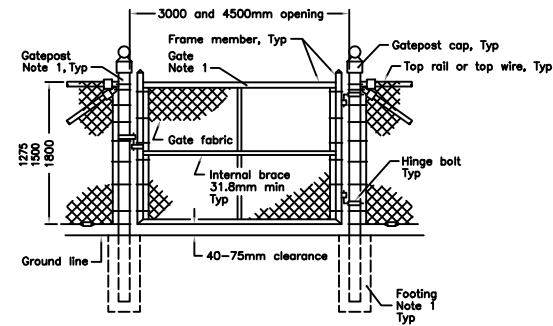
CHAIN-LINK FENCE



CONCRETE FOOTING FOR CHAIN-LINK FENCE & GATES



DOUBLE SWING GATE OPENING



SINGLE SWING GATE OPENING

- NOTES:
- For footing details and Gate and Gatepost Details Table refer to OPSD 972.132.
 - Gates as viewed from the roadway.
 - All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 2	
FENCE, CHAIN-LINK COMPONENT - GATE			
OPSD 972.102			

LEGENDS:



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2. TENDER R-2	2024-04-09
3.	
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SHEET TITLE:
CHAIN LINK FENCE DETAILS

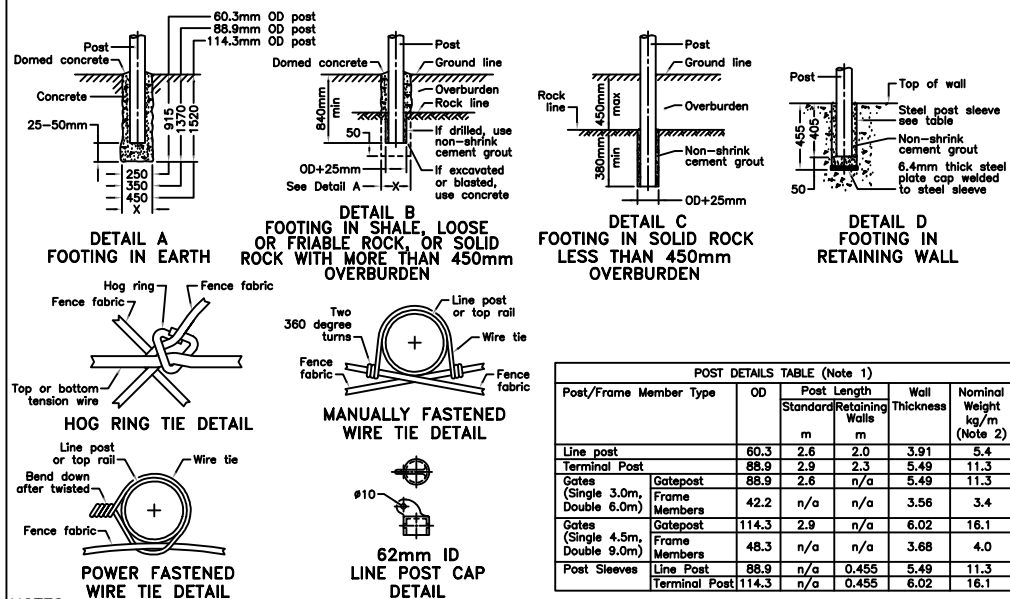


PROJECT ADDRESS:
**1292 CANNON STREET EAST
HAMILTON, ON**

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SCALE:	N.T.S

DRAWING NO:
D7
SHEET NO: 7 OF 7

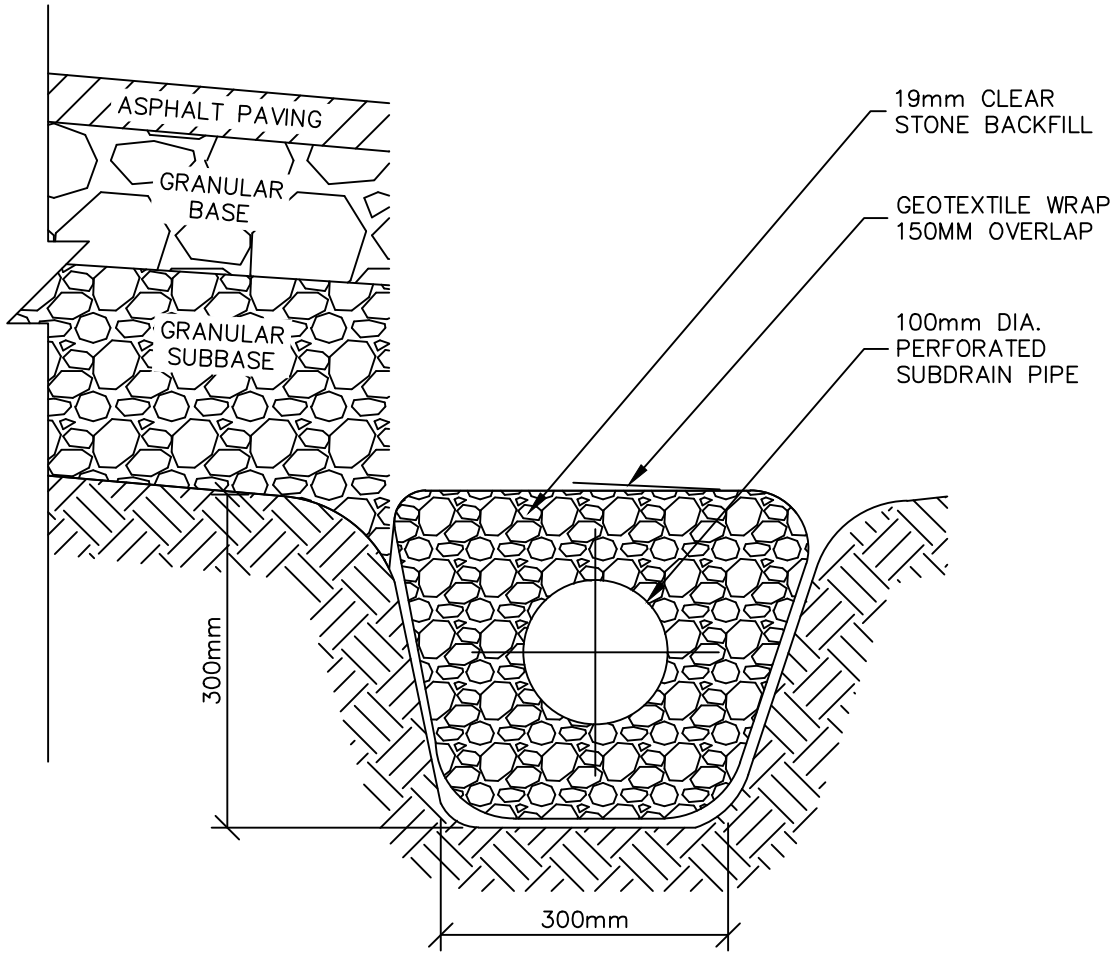


- NOTES:
- All posts and frame members are Schedule 40, Regular Grade, steel pipe.
 - The actual weight shall not vary by more than 10% of the nominal weight.
- A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 0	
FENCE, CHAIN-LINK DETAILS AND TABLE			
OPSD 972.132			

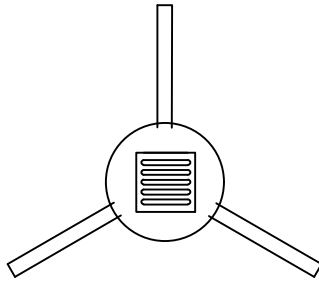
CHAINLINK FENCE SPECS:

- ALL FENCE POSTS, FENCE POSTS CAPS AND FABRIC COMPONENTS SHALL BE NEW AND HOT DIPPED GALVANIZED, ZINC PAINTED.
- ALL RAILS AND BRACES TO BE WELDED TO POSTS.
- FENCE FABRIC TO BE 50mm X 50mm WOVEN MESH No.6 GAUGE.
- FASTEN FABRIC TO RAILS, BRACES AND POSTS WITH No.7 GAUGE STEEL FENCE TIES 200mm O.C. MAX.
- CHAINLINK FABRIC SHALL BE FASTENED TO THE POSTS FACING THE SCHOOL PLAY YARD.
- ALL ACCESSORIES TO BE RUST RESISTANT GALVANIZED (TENSION BARS, POST CAPS, BANDS, CLAMPS, SLEEVES, ETC.)
- TOP, BOTTOM, MIDRAILS AND BRACES TO BE CONTINUOUS PIPE.
- ALL POSTS TO BE ±60mm OUTSIDE DIAMETER WITH WEIGHT 15.3kg/m AND THICKNESS OF ±7.6mm
- ALL TOP, BOTTOM AND MID RAILS TO BE ±47mm OUTSIDE DIAMETER, BUTT WELDED, SCHEDULE 40 PIPE.

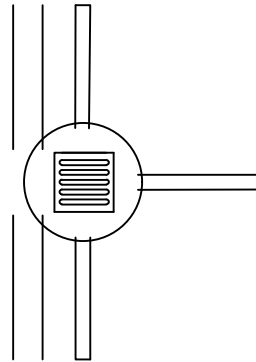


**SECTION DETAIL
PAVEMENT SUBDRAIN**

SCALE: N.T.S.



**PLAN DETAIL
AREA CATCH BASIN**
SCALE: N.T.S.



**PLAN DETAIL
CATCH BASIN AT CURB**
SCALE: N.T.S.

NOTES:

1. PLACE 100mm DIAMETER PERFORATED SUBDRAIN PIPE SURROUNDED BY 20mm CLEAR CRUSHED STONE AND WRAPPED IN FILTER CLOTH.

2. SUBDRAINS TO BE INSTALLED AT MINIMUM 0.5 PERCENT GRADE AND CONNECT TO POSITIVE OUTLET (I.E. DITCH OR CATCHBASIN); UNIT PRICE TO INCLUDE TEE CONNECTIONS.

3. RING AROUND WITH ONE (1) CORE PER CATCHBASIN

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SHEET TITLE: **NEW SUBDRAIN DETAIL**



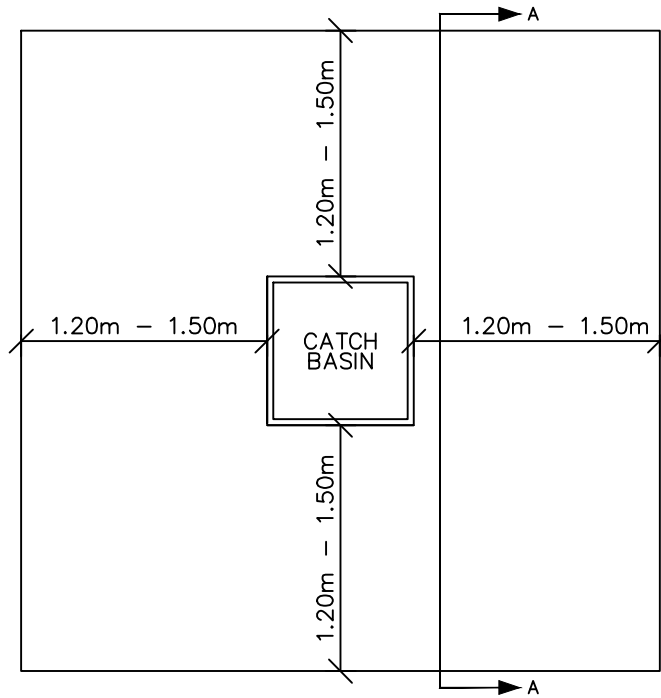
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DESIGNED BY: **RIMKUS**
DRAWN BY: **K.G**
CHECKED BY: **M.M**
VERSION: **2023**

SCALE: **NTS**

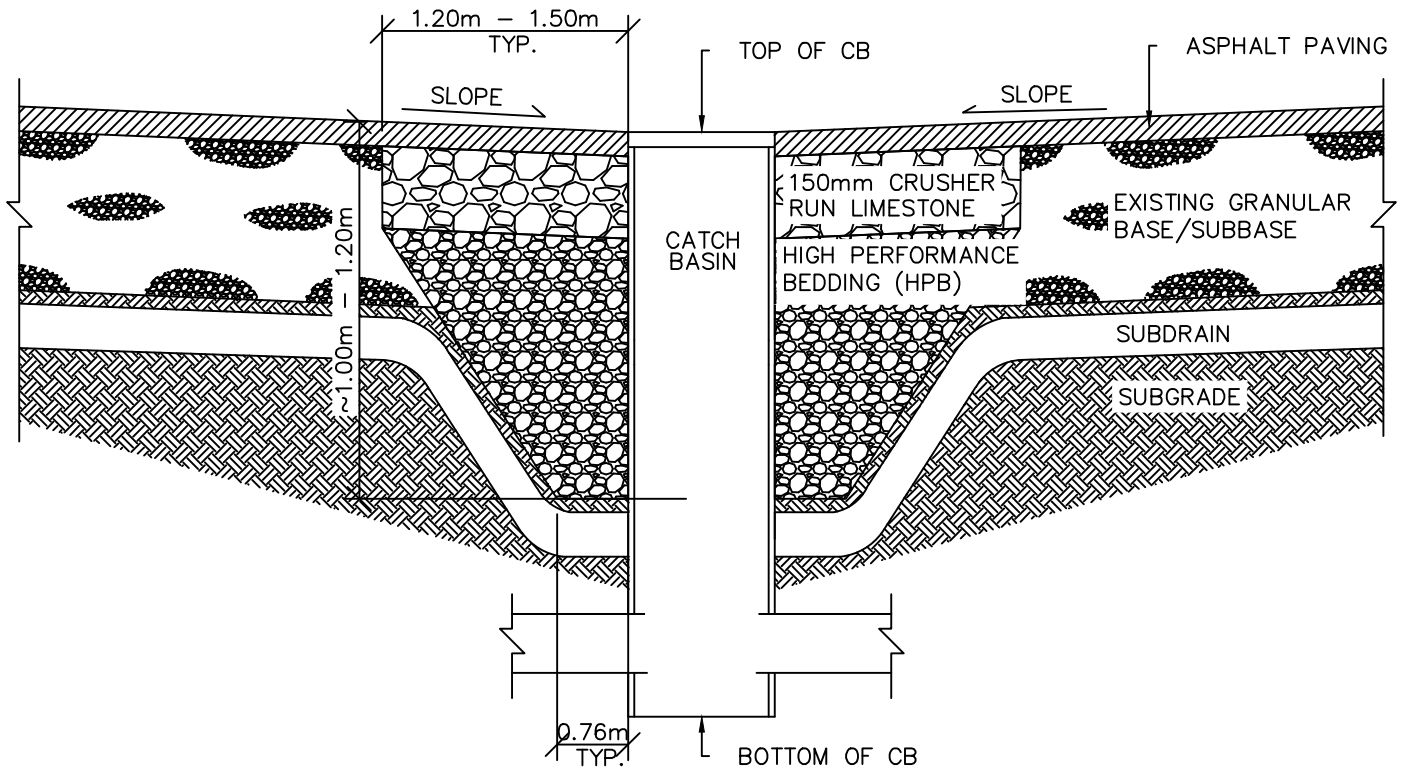
DRAWING NO.: **2AC09**

SHEET NO.: **1 OF 1**



PLAN DETAIL
FROST TREATMENT AREA

SCALE: N.T.S.



SECTION A - A DETAIL
FROST TREATMENT AREA

SCALE: N.T.S.

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SHEET TITLE: CATCHBASIN FROST
TREATMENT DETAIL



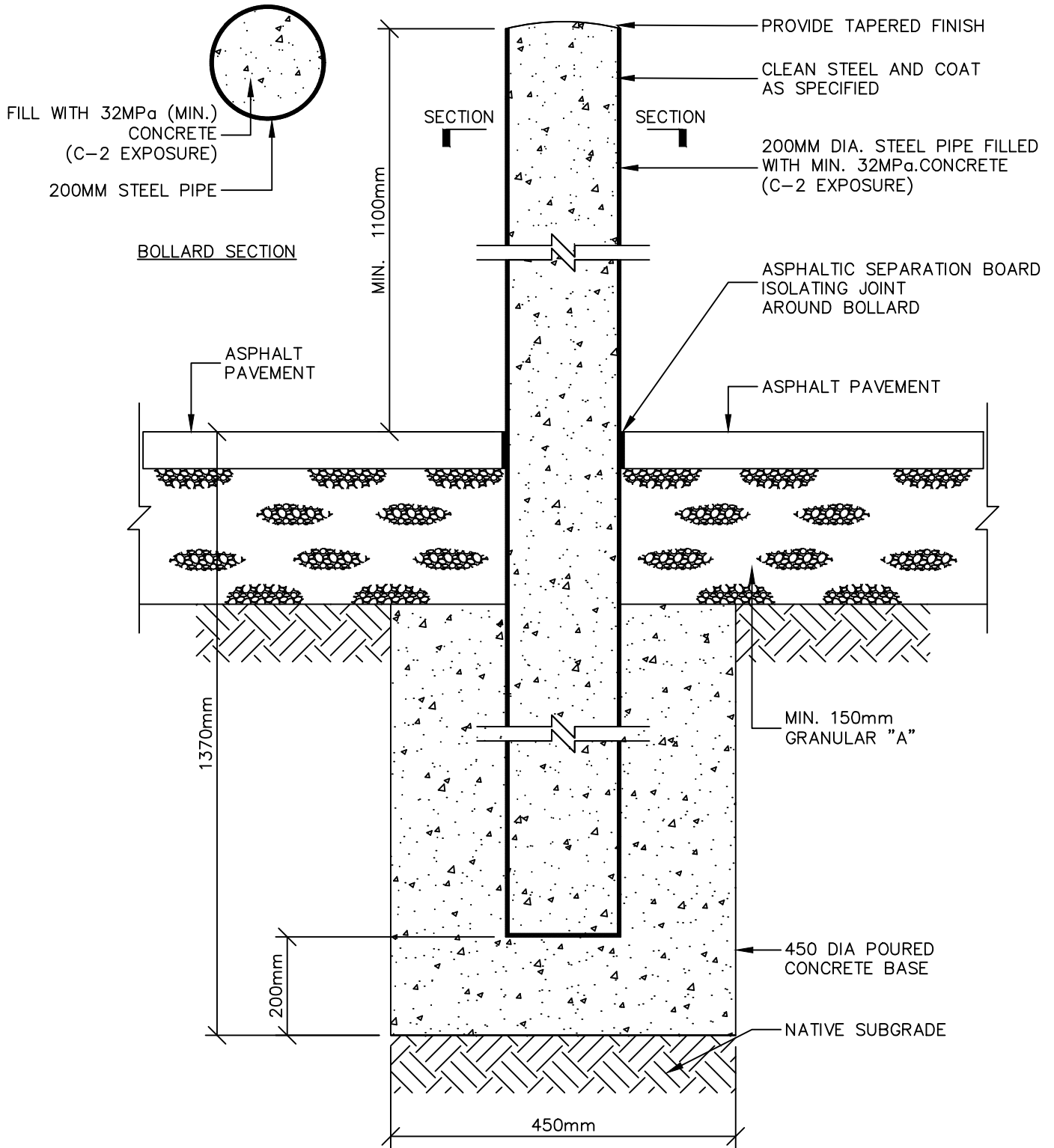
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CHECKED BY: M.M
VERSION: 2023

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DRAWING NO.: 2AC10

SHEET NO.: 1 OF 1



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SHEET TITLE: STEEL BOLLARD DETAIL



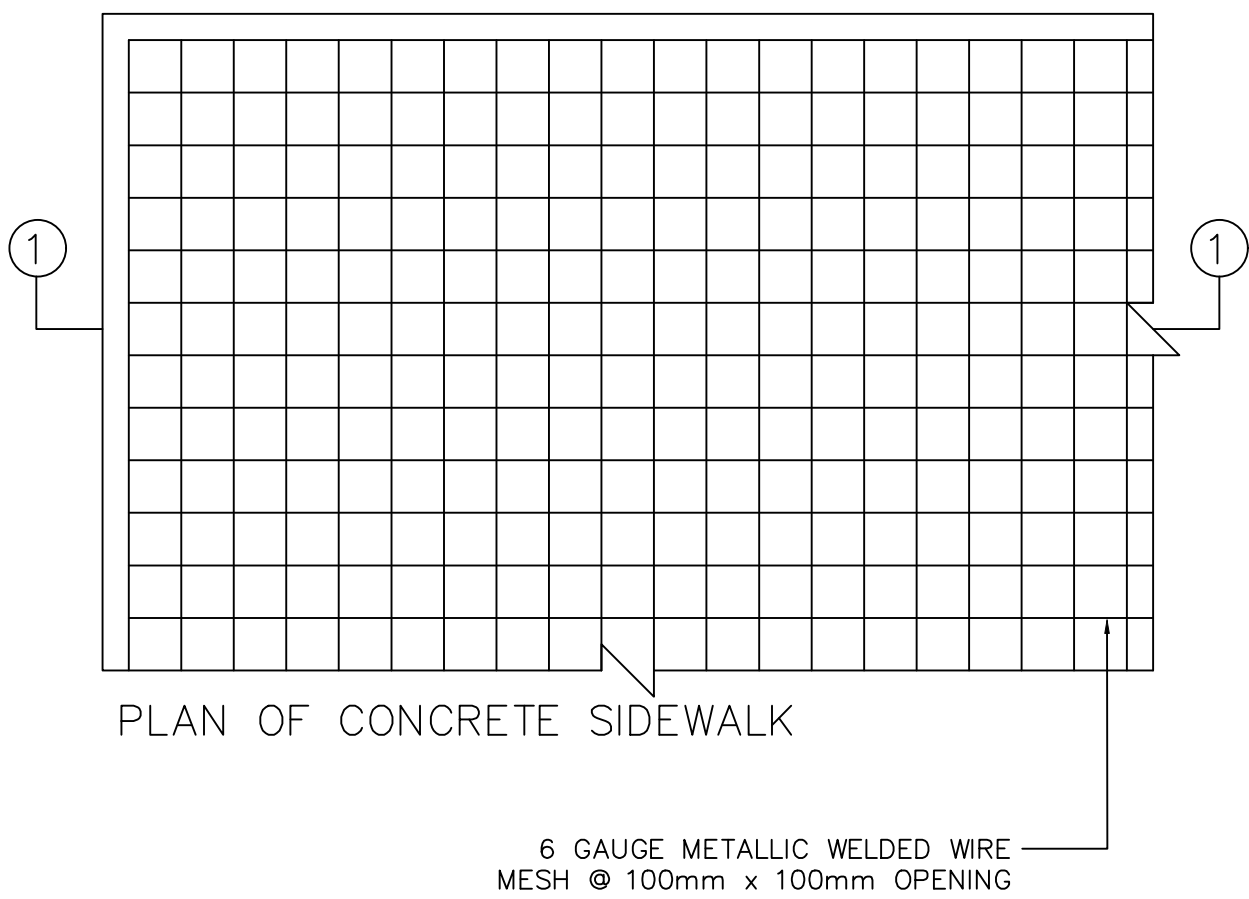
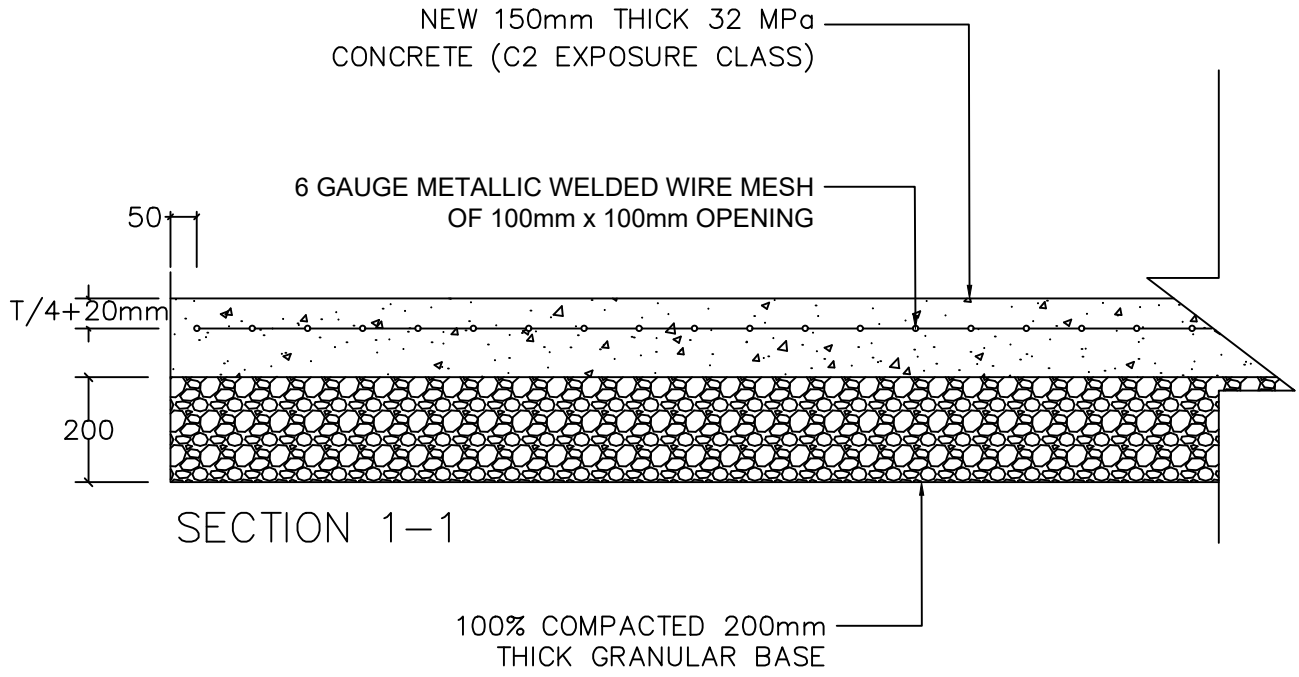
2121 ARGENTIA ROAD, SUITE 401
MISSISSAUGA, ONTARIO, L5N 2X4
EXPERT@RIMKUS.COM
(905) 607-7244

DESIGNED BY: RIMKUS
DRAWN BY: K.G
CHECKED BY: M.M
VERSION: 2023

SCALE: NTS

DRAWING NO.: 2AC13B

SHEET NO.: 1 OF 1



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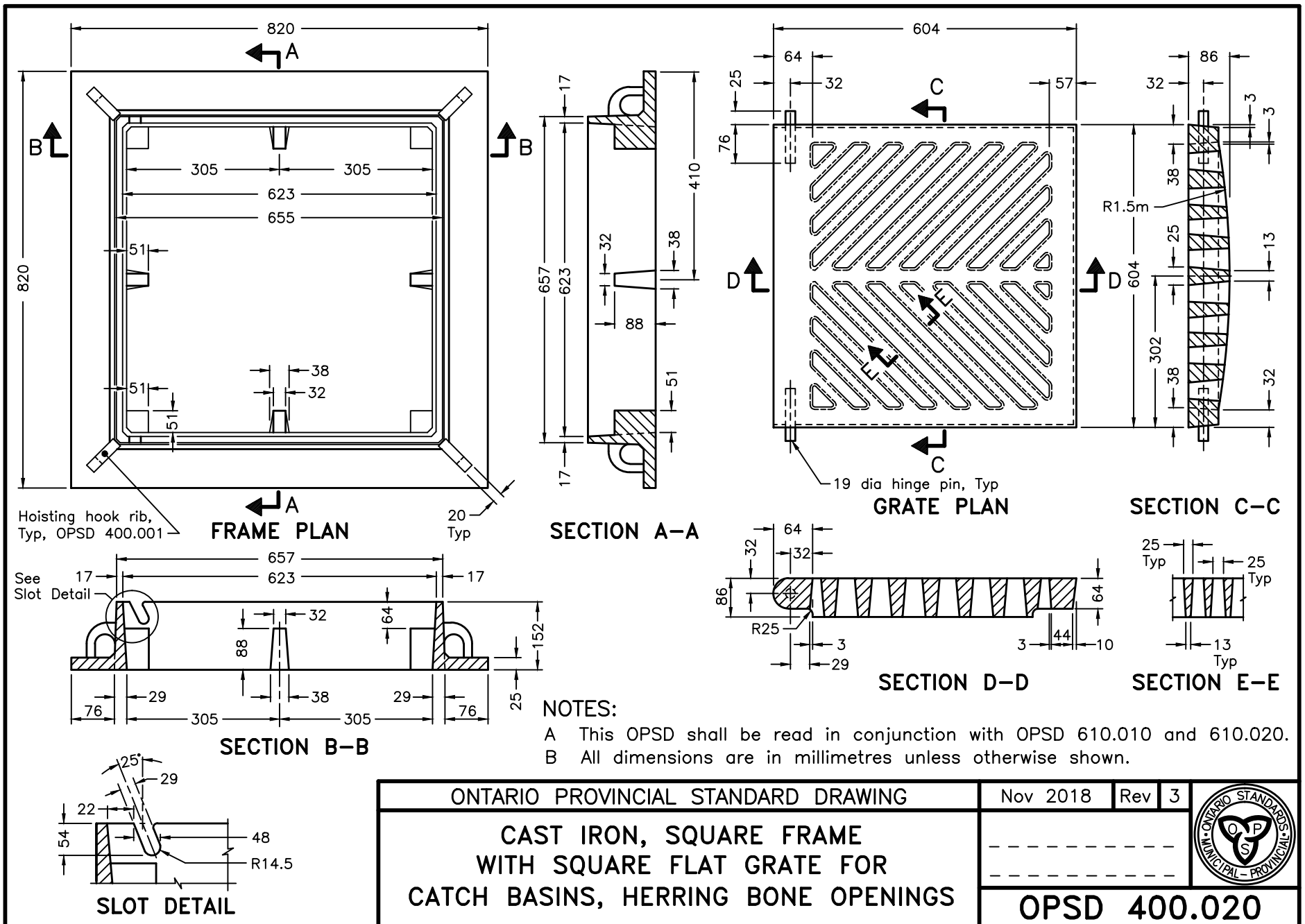
SHEET TITLE: NEW SIDEWALK/SLAB DETAILS




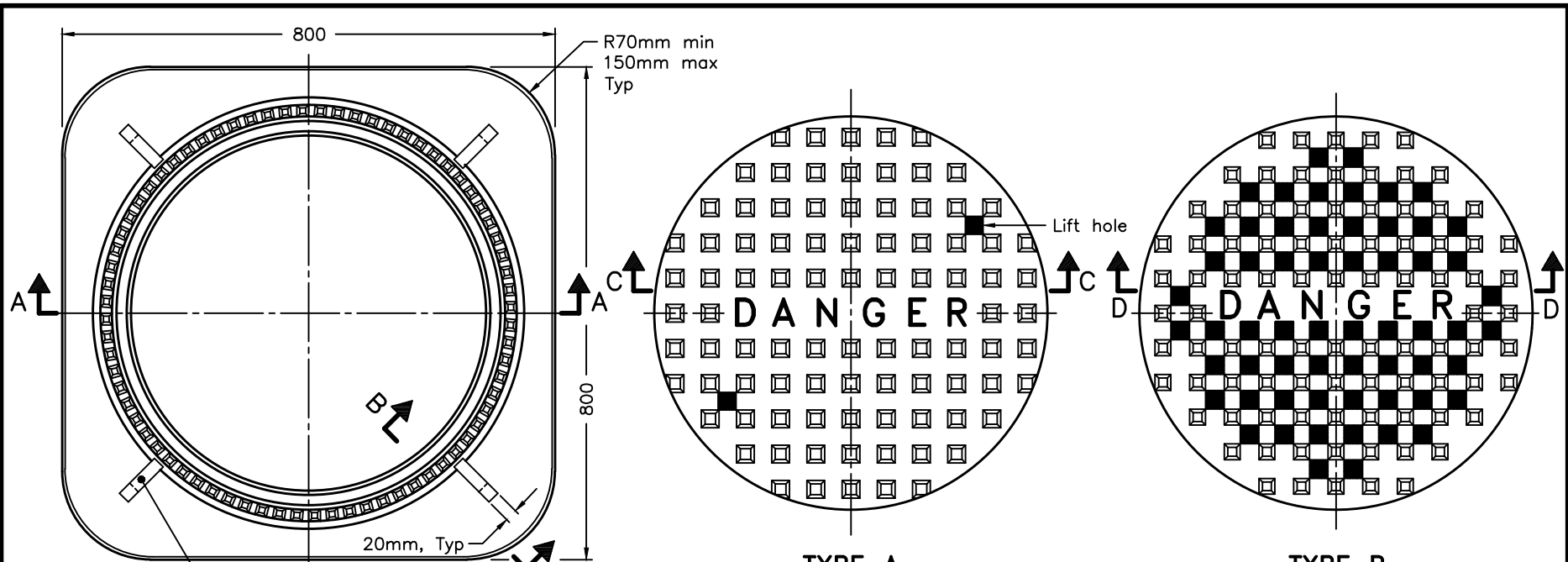
2121 ARGENTIA ROAD, SUITE 401
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DESIGNED BY: RIMKUS
DRAWN BY: K.G
CHECKED BY: M.M
VERSION: 2023

SCALE: NTS
DRAWING NO.: **2CR05**
SHEET NO.: 1 OF 1

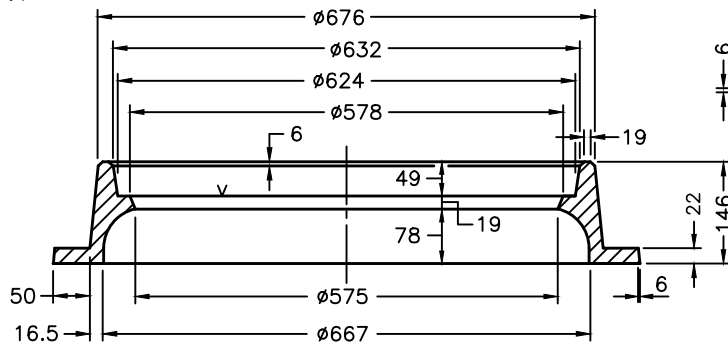


ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2018	Rev 3	
CAST IRON, SQUARE FRAME WITH SQUARE FLAT GRATE FOR CATCH BASINS, HERRING BONE OPENINGS	-----		
OPSD 400.020			

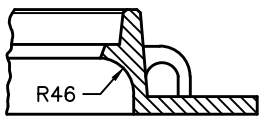


Hoisting hook rib,
Typ, OPSD 400.001

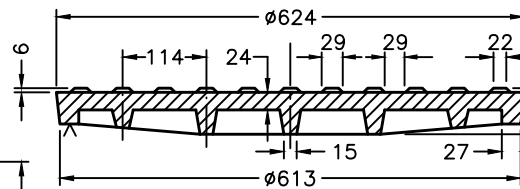
FRAME PLAN



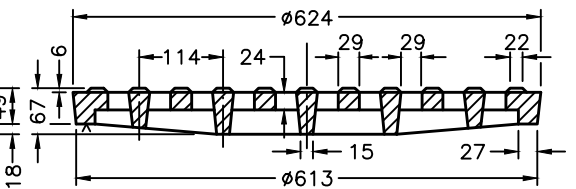
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

NOTES:

A Covers shall be Type A or Type B, as specified.

B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2018

Rev 4

**CAST IRON, SQUARE FRAME WITH
CIRCULAR CLOSED OR OPEN COVER
FOR MAINTENANCE HOLES**



OPSD 401.010