# CITY OF DRYDEN

## MARIO MILANESE SUBDIVISION STAGE 3

ISSUED FOR
99% REVIEW

JR Cousin Consultants Ltd.

91A Scurfield Blvd. Winnipeg MB R3Y 1G4
p. (204) 489-0474
f. (204) 489-0487
www.jrcc.ca

ENGINEERING EXCELLENCE SINCE 1981

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## DRAWING LEGEND:

### PIPING:

- EXISTING WATERMAIN
- PROPOSED WATERMAIN
- FUTURE WATERMAIN
- EXISTING SEWERMAIN
- PROPOSED SEWERMAIN
- FUTURE SEWERMAIN
- EXISTING FORCEMAIN/PRESSURE SEWER
- PROPOSED FORCEMAIN/PRESSURE SEWER
- FUTURE FORCEMAIN/PRESSURE SEWER
- EXISTING RAW WATERMAIN
- PROPOSED RAW WATERMAIN
- FUTURE RAW WATERMAIN
- EXISTING LAND DRAINAGE SEWER
- PROPOSED LAND DRAINAGE SEWER
- FUTURE LAND DRAINAGE SEWER
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING VALVE
- PROPOSED VALVE
- EXISTING CLEANOUT
- PROPOSED CLEANOUT
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING CURBSTOP
- PROPOSED CURBSTOP
- EXISTING CURB INLET
- PROPOSED CURB INLET
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN

### ROADS AND DRAINAGE:

- EXISTING ROAD CENTERLINE
- PROPOSED ROAD CENTERLINE
- FUTURE ROAD CENTERLINE
- EXISTING ROAD SHOULDER
- PROPOSED ROAD SHOULDER
- EXISTING ROAD EDGE
- PROPOSED ROAD EDGE
- FUTURE ROAD EDGE
- EXISTING SIDEWALK
- PROPOSED SIDEWALK
- EXISTING DITCH
- PROPOSED DITCH
- EXISTING CULVERT
- PROPOSED CULVERT
- EXISTING DRAINAGE DIRECTION
- PROPOSED DRAINAGE DIRECTION
- CONTOURS – MAJOR INTERVALS (100)
- CONTOURS – MINOR INTERVALS (100.5)
- EXISTING GROUND ELEVATION (×100.00)
- PROPOSED GROUND ELEVATION (100.00)
- EXISTING ROAD ELEVATION (100.00)
- PROPOSED ROAD ELEVATION (100.00)
- EXISTING SLOPE (TOP / BOTTOM)
- PROPOSED SLOPE (TOP / BOTTOM)
- ASPHALT SURFACE
- GRAVEL SURFACE

### MISCELLANEOUS:

- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- EXISTING PROPANE LINE
- PROPOSED PROPANE LINE
- EXISTING HYDRO LINE
- PROPOSED HYDRO LINE
- EXISTING GAS LINE
- EXISTING MTS LINE
- EXISTING BUILDING
- PROPOSED BUILDING
- LEGAL/LOT LINE
- RAILWAY LINE
- MATCH LINE
- EXISTING HYDRO POLE
- PROPOSED HYDRO POLE
- WATER HOLDING TANK
- SEPTIC TANK
- SEWAGE HOLDING TANK
- SURVEY BAR
- SURVEY MONUMENT/BENCHMARK
- EXISTING VEGETATION
- PROPOSED VEGETATION
- DOOR CONSTRUCTION TYPE (D1)
- WALL CONSTRUCTION TYPE (W1)
- WELDING SYMBOL (5)
- EASEMENT
- NORTH ARROW

## ABBREVIATIONS:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| @ | AT | E | EAST | JCT | JUNCTION | RAD | RADIUS |
| A/C | AIR CONDITIONING | EC | END OF CURVE | JP | JOCKEY PUMP | RD | ROAD |
| ALUM | ALUMINUM | ELEV | ELEVATION | | | REV | REVISION |
| ASPH | ASPHALT | ELEC | ELECTRICAL | LAB | LABORATORY | ROW | RIGHT OF WAY |
| AVE | AVENUE | EP | EDGE OF PAVEMENT | LAM | LAMINATE | RM | ROOM |
| AVG | AVERAGE | ER | EDGE OF ROAD | LAT | LATITUDE | | |
| | | E/W | EACHWAY | LDS | LAND DRAINAGE SEWER | S | SOUTH |
| BD | BOTTOM OF DITCH | EXT | EXTERIOR | LFS | LEVEL FLOAT SWITCH | SCH | SCHEDULE |
| BLDG | BUILDING | | | LONG | LONGITUDE | SECT | SECTION |
| BLVD | BOULEVARD | FAX | FAX MACHINE STAND | LPS | LOW PRESSURE SEWER | SHT | SHEET |
| BM | BENCHMARK | FC | FILE CABINET | LWL | LOW WATER LEVEL | SIB | STEEL IRON BAR |
| BOT | BOTTOM | FD | FLOOR DRAIN | | | SPEC | SPECIFICATION |
| BP | BACKWASH PUMP | F/F | FACE TO FACE | m | METRE | SQ | SQUARE |
| B/W | BOTHWAYS | FH | FIRE HYDRANT | MAX | MAXIMUM | SSL | SEWER SERVICE LINE |
| | | FM | FORCEMAIN | MCC | MOTOR CONTROL CENTER | ST | STREET |
| CB | CATCH BASIN | FP | FIRE PUMP | MECH | MECHANICAL | STD | STANDARD |
| CI | CAST IRON | FT | FOOT, FEET | MEMB | MEMBRANE | SUSP | SUSPENDED |
| CHKD | CHECKED | | | MH | MANHOLE | SW | SIDEWALK |
| CNR | CANADIAN NATIONAL RAILWAY | GA | GAUGE | MIN | MINIMUM | | |
| CO | CLEANOUT | GALV | GALVANIZED | mm | MILLIMETRE | TEL | TELEPHONE |
| COL | COLUMN | | | MON | MONUMENT | TEMP | TEMPORARY |
| CONC | CONCRETE | HA | HECTARE | | | TP | TRUCKFILL PUMP |
| CONST | CONSTRUCTION | HB | HOSE BIBB | N | NORTH | TYP | TYPICAL |
| CONT | CONTINUOUS | HDPE | HIGH DENSITY POLYETHYLENE | NAT | NATURAL | | |
| COORD | COORDINATE | HI | HEIGHT OF INSTRUMENT | NBC | NATIONAL BUILDING CODE | VERT | VERTICAL |
| CPR | CANADIAN PACIFIC RAILWAY | HPW | HIGH PRESSURE WATER LINE | NTS | NOT TO SCALE | VOL | VOLUME |
| C/W | COMPLETE WITH | HORIZ | HORIZONTAL | NWL | NORMAL WATER LEVEL | | |
| | | HP | HYDRO POLE | | | US | ULTRASONIC TRANSDUCER |
| DCW | DOMESTIC COLD WATER | HR | HOUR | O/C | ON CENTRE | | |
| DEG,° | DEGREE | HVAC | HEATING, VENTILATING AND AIR CONDITIONING | O/D | OUTSIDE DIAMETER | VAR | VARIES |
| DHW | DOMESTIC HOT WATER | | | O/F | OUTSIDE FACE | VB | VAPOUR BARRIER |
| DIA,ø | DIAMETER | HW | HOT WATER TANK | O/H | OVER HEAD | VERT | VERTICAL |
| DIM | DIMENSION | HWL | HIGH WATER LEVEL | OD | OUTSIDE DIAMETER | VFD | VARIABLE FREQUENCY DRIVE |
| DIST | DISTANCE | | | ORIG | ORIGINAL | | |
| DN | DOWN | ID | INSIDE DIAMETER | OWSJ | OPEN WEB STEEL JOIST | W | WEST |
| DP | DUTY PUMP | IL | ICE LEVEL | | | W/O | WITHOUT |
| DR | DRIVE | INCL | INCLUDE | PLYWD | PLYWOOD | WL | WATER LEVEL |
| DWG | DRAWING | INT | INTERIOR | PROP | PROPERTY | WM | WATERMAIN |
| | | INV | INVERT | PS | PRESSURE SEWER | WSL | WATER SERVICE LINE |
| | | | | PVC | POLYVINYL CHLORIDE | WWS | WASTEWATER SEWER |
| | | | | | | WT | WEIGHT |

A – DETAIL NUMBER
B – PLAN WHERE DETAIL EXPANDED
C – PLAN WHERE DETAIL ORIGINATES

NOTE:

DECIMALIZED NUMBERS INDICATE METRES.
WHOLE NUMBERS INDICATE MILLIMETRES.




| PROJECT BENCHMARKS | | | |
|---|---|---|---|
| BENCHMARK | NORTHING | EASTING | ELEVATION |
| FH 1 | 5513590.985 | 512841.241 | 388.655 |
| FH 2 | 5513493.723 | 512727.537 | 387.420 |
| FH 3 | 5513349.571 | 512878.934 | 377.145 |

LOCATION PLAN
SCALE = 1:2000

SCALE BAR
(IN METRES)
40 0 20 40 80 120 160 200
1:2000

| No. | REVISIONS | DATE | INITIALS |
|---|---|---|---|
| 1 | ISSUED FOR 99% REVIEW | 26/10/26 | RA |

B.M. EL.
SEE TABLE ABOVE

LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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| CODE: | D-536.02 |
| DESIGNED BY: | MF |
| DRAWN BY: | JW |
| REVIEWED BY: | SB |

PROJECT:
CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE:
DRAWING LEGEND, ABBREVIATIONS, AND LOCATION PLAN

| SCALE: | DATE: | PLAN: | SHEET: |
|---|---|---|---|
| 1:2000 | 26/10/26 | GI1 | 1 of 18 |

Oct 26, 2026 - 11:25am G:\500\536 City of Dryden\536.02 Van Horne Landing Subdv Design & Mario Milanese Subdv Reqs 2\04 Drawings\Civil\Design Plans - Mario Milanese\Annotation Plans\GI1.dwg

MARIO MILANESE PLACE

MARIO MILANESE PLACE

ELMS AVENUE

CUT AND CAP EXISTING 150ø WM

CUT AND CAP EXISTING 150ø WM

ABANDON EXISTING 150ø HDPE WM

HYDRO-BOX

SCALE BAR
(IN METRES)

10 0 5 10 20 30 40 50

1:500

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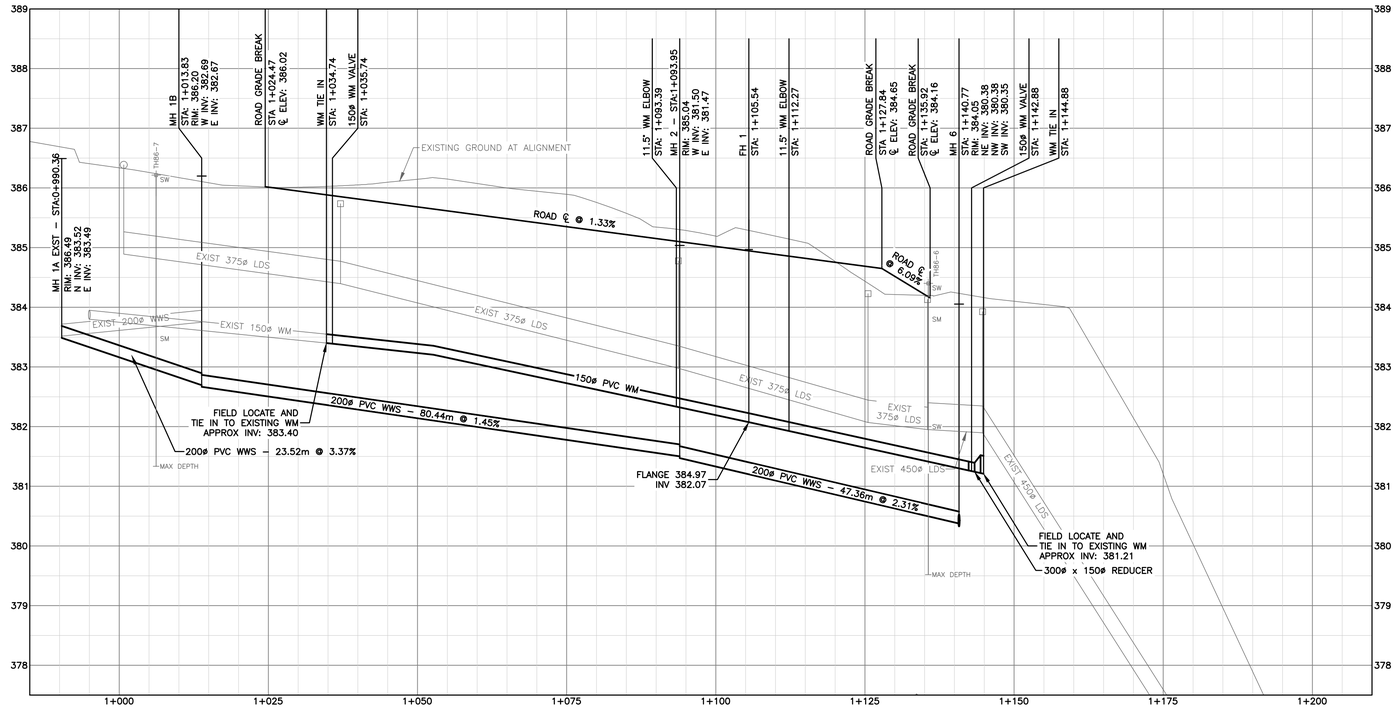
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PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: TEMPORARY WATERMAIN REMOVAL

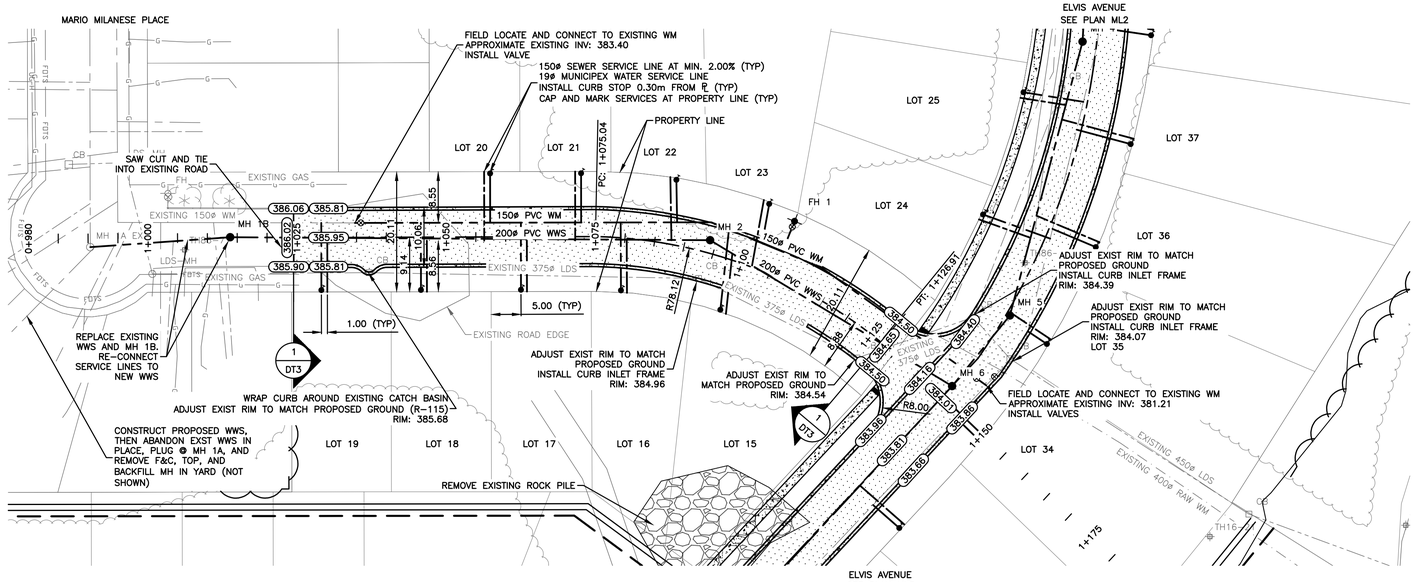
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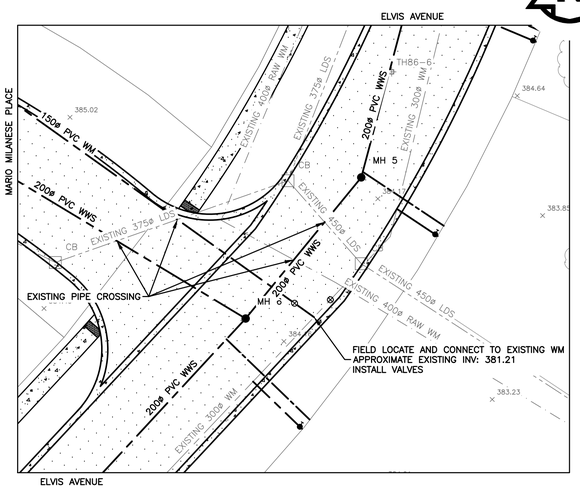

MARIO MILANESE PLACE – STA 1+000.00 TO STA 1+155.00

SCALE = V: 1:50
H: 1:500



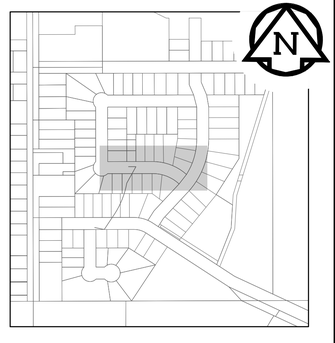

MARIO MILANESE PLACE – STA 1+000.00 TO STA 1+155.00

SCALE = 1:500




MARIO MILANESE PLACE AND ELVIS AVENUE U/G INTERSECTION

SCALE = 1:250



KEY PLAN

SCALE = 1:5000

NOTES:

- COMPLETE ALL WORKS IN ACCORDANCE WITH THE CITY OF THUNDER BAY ENGINEERING AND DEVELOPMENT STANDARDS AS WELL AS THE ONTARIO PROVINCIAL STANDARDS. THUNDER BAY STANDARDS TO TAKE PRECEDENCE.
- FIELD LOCATE ALL EXISTING SERVICE LINES, MAINLINES, AND UTILITIES PRIOR TO CONSTRUCTION.
- MAINTAIN WATER AND SEWER SERVICE DURING CONSTRUCTION.
- CONTRACTOR TO COORDINATE WITH AFFECTED PROPERTY OWNERS AND MINIMIZE DISRUPTION TO DRIVEWAY ACCESS.
- MAINTAIN MIN. 2.60m COVER FOR ALL PIPING UNLESS OTHERWISE NOTED.
- MAINTAIN MIN. 3.00m COVER FOR PIPING BENEATH EXISTING/FUTURE ROADWAYS AND PARKING STALLS.
- BOX INSULATION TO BE USED WHERE MINIMUM COVER CANNOT BE ACHIEVED.
- MINIMUM 0.50m SEPARATION BETWEEN WATER AND SEWER PIPING AT CROSSINGS, WITH THE WATER PIPING ABOVE THE SEWER.
- CLEAR AND GRUB ALL TREES WITHIN PROJECT LIMITS UNLESS OTHERWISE NOTED. TREES TO BE PROTECTED AS DIRECTED BY ENGINEER.
- RESTORE ALL EXISTING ROADWAYS AFFECTED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. SUPPLY ADDITIONAL GRANULAR AND ASPHALT MATERIAL AS REQUIRED.
- INSTALL TEMPORARY SILT FENCING IN ALL DRAINAGE OUTLETS DIRECTLY AFFECTED BY CONSTRUCTION WORKS.
- PROPOSED GROUND ELEVATIONS DENOTE FINISHED GRADE. ADJUST ELEVATIONS AS REQUIRED FOR TOPSOIL AND SOD PLACEMENT.
- CURB ELEVATIONS NOTED ON PLANS ARE GUTTER ELEVATION.
- CROSSWALK SIDEWALK RAMPING AS PER C.O.T.B SD R–120.
- ALLOW MUNICIPAL ENGINEER ACCESS TO THE SITE FOR REGULAR INSPECTIONS OF THE WORK.
- REFER TO PLAN GD1 FOR TEST HOLE LOCATIONS AND INFORMATION.
- ALIGNMENT FOLLOWS PROPOSED ROAD CENTRELINE. ROAD CENTRELINE DEVIATES FROM RIGHT OF WAY CENTRELINE.

SCALE BAR
(IN METRES)

10 0 5 10 20 30 40 50

1:500

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B.M. EL.
SEE PLAN G11

LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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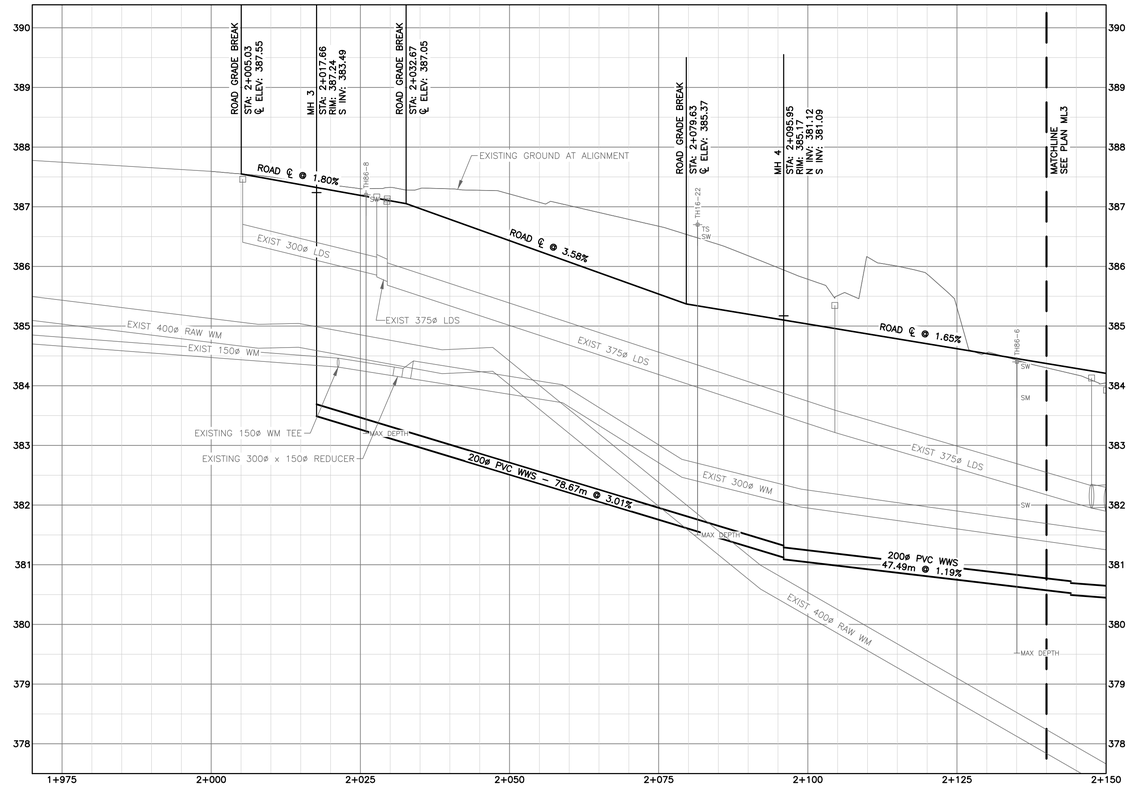
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| DRAWN BY: | JW |
| REVIEWED BY: | SB |

PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: MARIO MILANESE PLACE
PLAN AND PROFILE
STA 1+000.00 TO STA 1+155.00

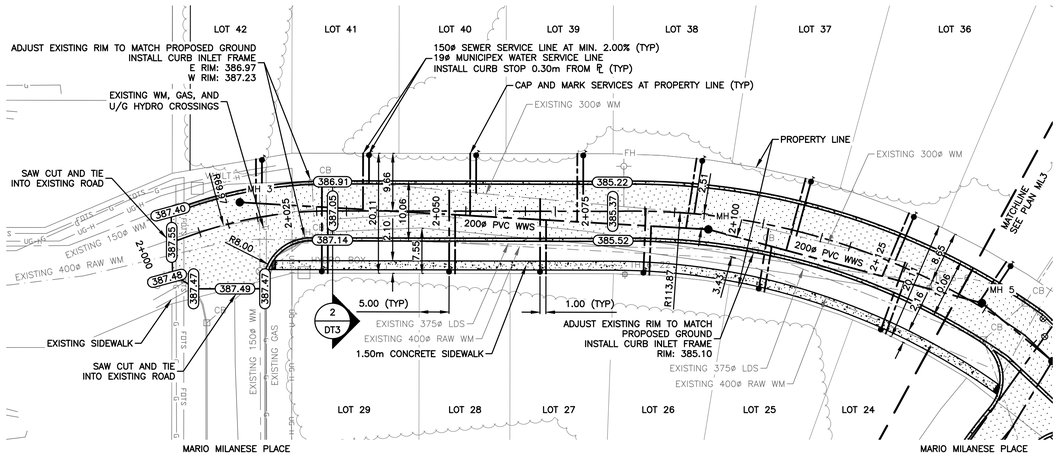
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ELVIS AVENUE – STA 2+000.00 TO STA 2+140.00

SCALE = V: 1:50
H: 1:500

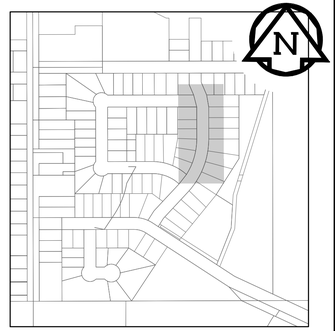



ELVIS AVENUE – STA 2+000.00 TO STA 2+140.00

SCALE = 1:500

NOTES:

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- FIELD LOCATE ALL EXISTING SERVICE LINES, MAINLINES, AND UTILITIES PRIOR TO CONSTRUCTION.
- MAINTAIN WATER AND SEWER SERVICE DURING CONSTRUCTION.
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- REFER TO PLAN GD1 FOR TEST HOLE LOCATIONS AND INFORMATION.
- ALIGNMENT FOLLOWS PROPOSED ROAD CENTRELINE. ROAD CENTRELINE DEVIATES FROM RIGHT OF WAY CENTRELINE.



KEY PLAN

SCALE = 1:5000

SCALE BAR
(IN METRES)

10 0 5 10 20 30 40 50

1:500

| No. | REVISIONS | DATE | INITIALS |
|---|---|---|---|
| 1 | ISSUED FOR 99% REVIEW | 26/10/26 | RA |

B.M. EL.
SEE PLAN GI1

LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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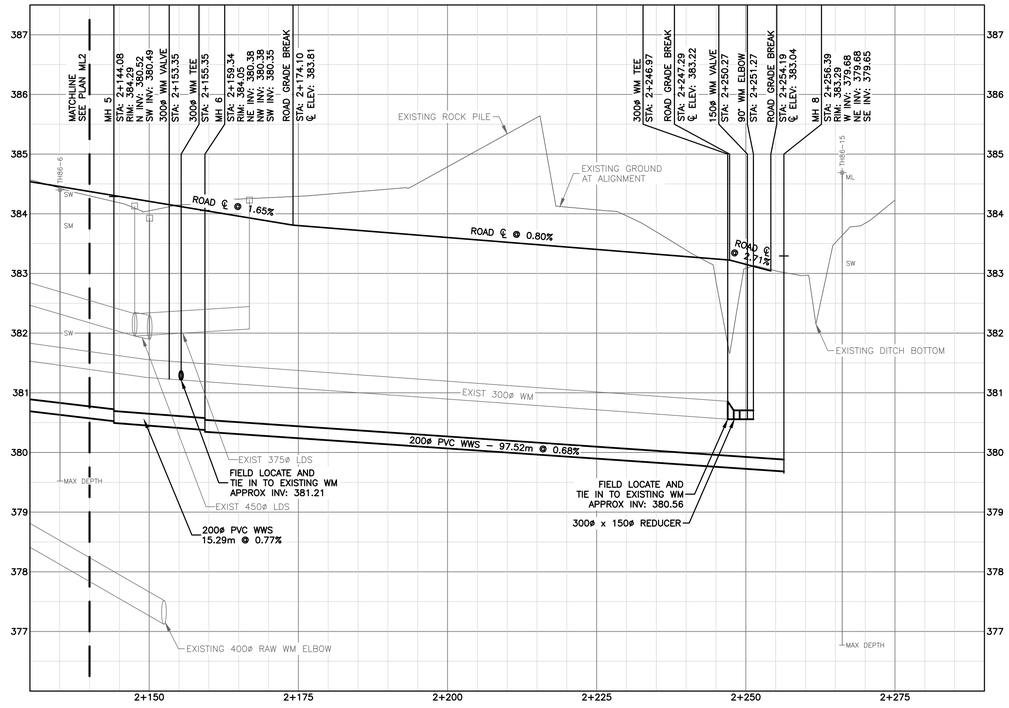
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| REVIEWED BY: | SB |

PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: ELVIS AVENUE
PLAN AND PROFILE
STA 2+000.00 TO STA 2+140.00

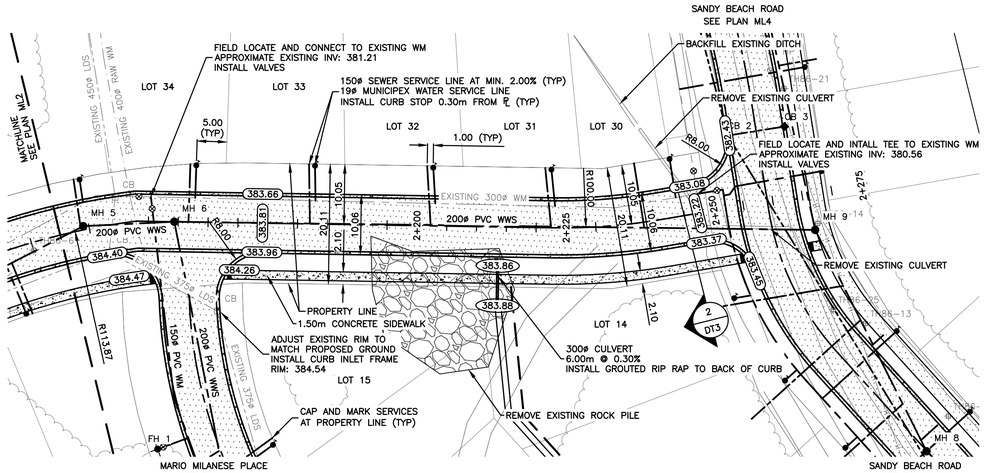
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| 1:500 | 26/10/26 | ML2 | 3 of 18 |

Oct 26, 2026 - 11:27pm G:\500\536 City of Dryden\536.02 Van Horne Landing Subdiv Design & Mario Milanese Subdiv Stage 3\04 Drawings\Land Design Plans — Mario Milanese\Construction Plan\ML1–4.dwg




ELVIS AVENUE – STA 2+140.00 TO STA 2+275.00

SCALE = V: 1:50
H: 1:500

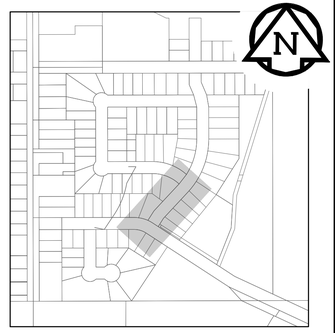



ELVIS AVENUE – STA 2+140.00 TO STA 2+275.00

SCALE = 1:500

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- FIELD LOCATE ALL EXISTING SERVICE LINES, MAINLINES, AND UTILITIES PRIOR TO CONSTRUCTION.
- MAINTAIN WATER AND SEWER SERVICE DURING CONSTRUCTION.
- CONTRACTOR TO COORDINATE WITH AFFECTED PROPERTY OWNERS AND MINIMIZE DISRUPTION TO DRIVEWAY ACCESS.
- MAINTAIN MIN. 2.60m COVER FOR ALL PIPING UNLESS OTHERWISE NOTED.
- MAINTAIN MIN. 3.00m COVER FOR PIPING BENEATH EXISTING/FUTURE ROADWAYS AND PARKING STALLS.
- BOX INSULATION TO BE USED WHERE MINIMUM COVER CANNOT BE ACHIEVED.
- MINIMUM 0.50m SEPARATION BETWEEN WATER AND SEWER PIPING AT CROSSINGS, WITH THE WATER PIPING ABOVE THE SEWER.
- CLEAR AND GRUB ALL TREES WITHIN PROJECT LIMITS UNLESS OTHERWISE NOTED. TREES TO BE PROTECTED AS DIRECTED BY ENGINEER.
- RESTORE ALL EXISTING ROADWAYS AFFECTED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. SUPPLY ADDITIONAL GRANULAR AND ASPHALT MATERIAL AS REQUIRED.
- INSTALL TEMPORARY SILT FENCING IN ALL DRAINAGE OUTLETS DIRECTLY AFFECTED BY CONSTRUCTION WORKS.
- PROPOSED GROUND ELEVATIONS DENOTE FINISHED GRADE. ADJUST ELEVATIONS AS REQUIRED FOR TOPSOIL AND SOD PLACEMENT.
- CURB ELEVATIONS NOTED ON PLANS ARE GUTTER ELEVATION.
- CROSSWALK SIDEWALK RAMPING AS PER O.G.T.B SD R-120.
- ALLOW MUNICIPAL ENGINEER ACCESS TO THE SITE FOR REGULAR INSPECTIONS OF THE WORK.
- REFER TO PLAN GD1 FOR TEST HOLE LOCATIONS AND INFORMATION.
- ALIGNMENT FOLLOWS PROPOSED ROAD CENTRELINE. ROAD CENTRELINE DEVIATES FROM RIGHT OF WAY CENTRELINE.



KEY PLAN

SCALE = 1:5000

SCALE BAR
(IN METRES)
10 0 5 10 20 30 40 50
1:500

| No. | REVISIONS | DATE | INITIALS |
|---|---|---|---|
| 1 | ISSUED FOR 99% REVIEW | 26/10/26 | RA |

B.M. EL.
SEE PLAN GI1

LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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JR Cousin Consultants Ltd.
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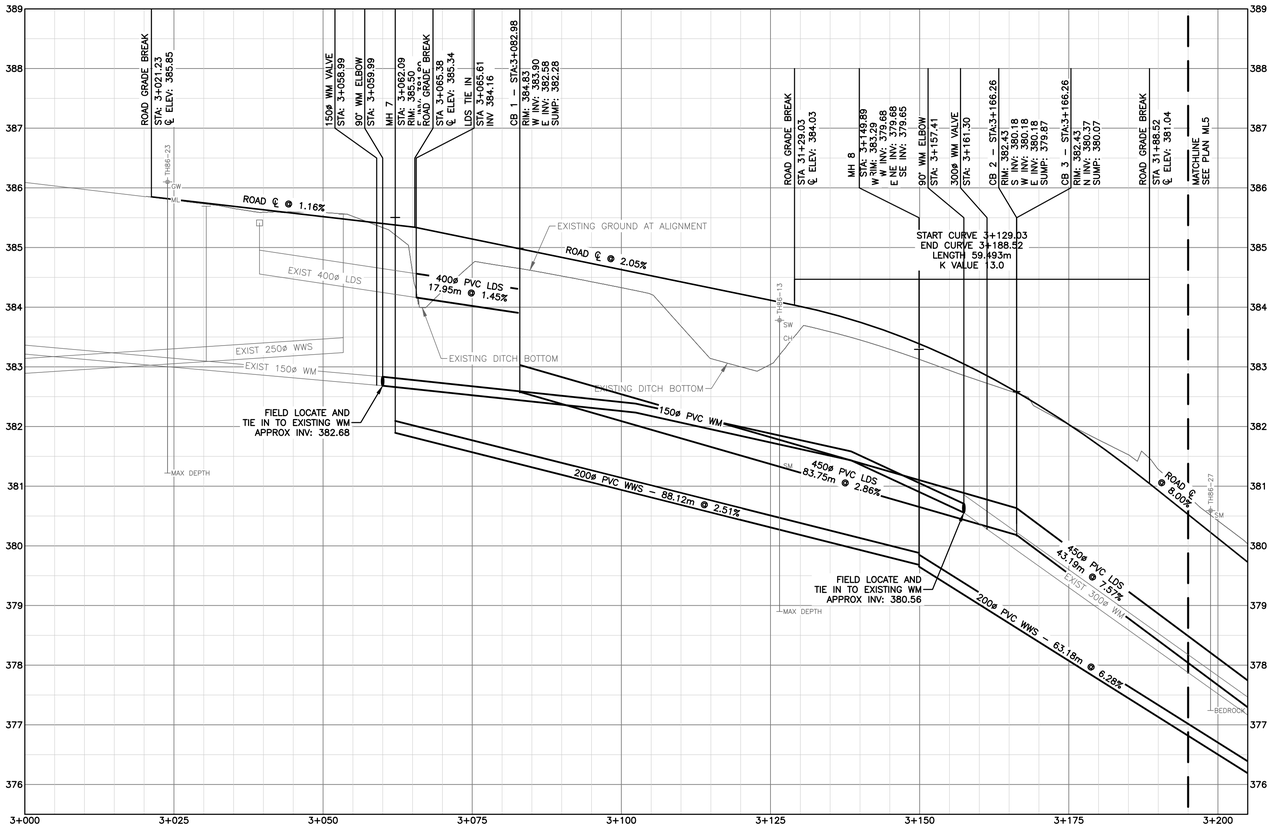
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| CODE: | D-536.02 |
| DESIGNED BY: | MF |
| DRAWN BY: | JW |
| REVIEWED BY: | SB |

PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: ELVIS AVENUE
PLAN AND PROFILE
STA 2+140.00 TO STA 2+275.00

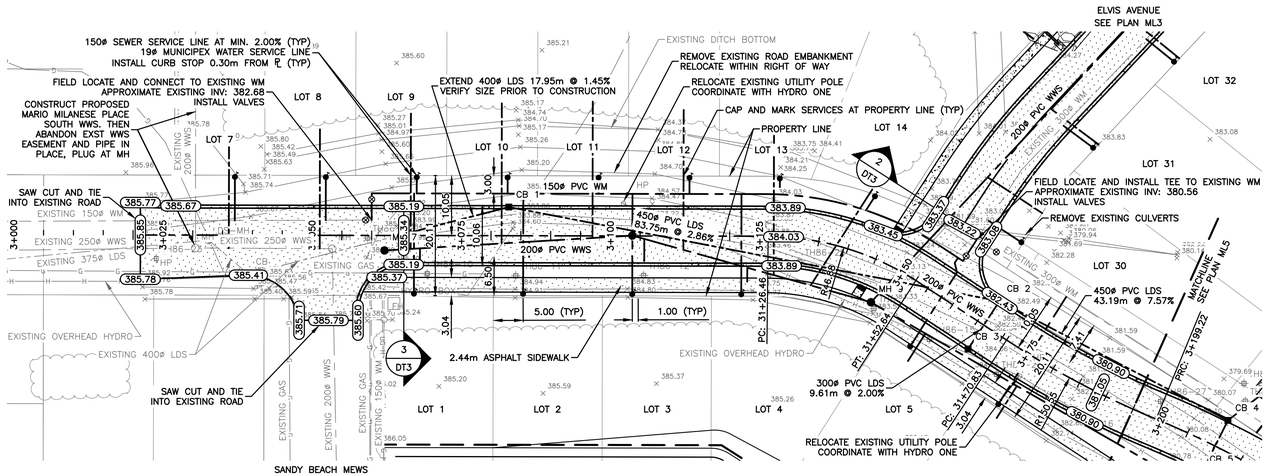
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| 1:500 | 26/10/26 | ML3 | 4 of 18 |

Oct 26, 2026 - 11:25am G:\500\536 City of Dryden\536.02 Mario Milanese Subdiv Stage 3\04 Drawings\dwg\Design Plans - Mario Milanese\Annotation Plans\ML1-5.dwg




SANDY BEACH ROAD – STA 3+000.00 TO STA 3+195.00

SCALE = V: 1:50
H: 1:500




SANDY BEACH ROAD – STA 3+000.00 TO STA 3+195.00

SCALE = 1:500



KEY PLAN

SCALE = 1:5000

NOTES:

- COMPLETE ALL WORKS IN ACCORDANCE WITH THE CITY OF THUNDER BAY ENGINEERING AND DEVELOPMENT STANDARDS AS WELL AS THE ONTARIO PROVINCIAL STANDARDS. THUNDER BAY STANDARDS TO TAKE PRECEDENCE.
- FIELD LOCATE ALL EXISTING SERVICE LINES, MAINLINES, AND UTILITIES PRIOR TO CONSTRUCTION.
- MAINTAIN WATER AND SEWER SERVICE DURING CONSTRUCTION.
- CONTRACTOR TO COORDINATE WITH AFFECTED PROPERTY OWNERS AND MINIMIZE DISRUPTION TO DRIVEWAY ACCESS.
- MAINTAIN MIN. 2.60m COVER FOR ALL PIPING UNLESS OTHERWISE NOTED.
- MAINTAIN MIN. 3.00m COVER FOR PIPING BENEATH EXISTING/FUTURE ROADWAYS AND PARKING STALLS.
- BOX INSULATION TO BE USED WHERE MINIMUM COVER CANNOT BE ACHIEVED.
- MINIMUM 0.50m SEPARATION BETWEEN WATER AND SEWER PIPING AT CROSSINGS, WITH THE WATER PIPING ABOVE THE SEWER.
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- RESTORE ALL EXISTING ROADWAYS AFFECTED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. SUPPLY ADDITIONAL GRANULAR AND ASPHALT MATERIAL AS REQUIRED.
- INSTALL TEMPORARY SILT FENCING IN ALL DRAINAGE OUTLETS DIRECTLY AFFECTED BY CONSTRUCTION WORKS.
- PROPOSED GROUND ELEVATIONS DENOTE FINISHED GRADE. ADJUST ELEVATIONS AS REQUIRED FOR TOPSOIL AND SOD PLACEMENT.
- CURB ELEVATIONS NOTED ON PLANS ARE GUTTER ELEVATION.
- CROSSWALK SIDEWALK RAMPING AS PER C.O.T.B SD R–120.
- ALLOW MUNICIPAL ENGINEER ACCESS TO THE SITE FOR REGULAR INSPECTIONS OF THE WORK.
- REFER TO PLAN GD1 FOR TEST HOLE LOCATIONS AND INFORMATION.
- ALIGNMENT FOLLOWS PROPOSED ROAD CENTRELINE. ROAD CENTRELINE DEVIATES FROM RIGHT OF WAY CENTRELINE.

SCALE BAR
(IN METRES)

10 0 5 10 20 30 40 50

1:500

| No. | REVISIONS | DATE | INITIALS |
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| 1 | ISSUED FOR 99% REVIEW | 26/10/26 | RA |

B.M. EL.
SEE PLAN GI1

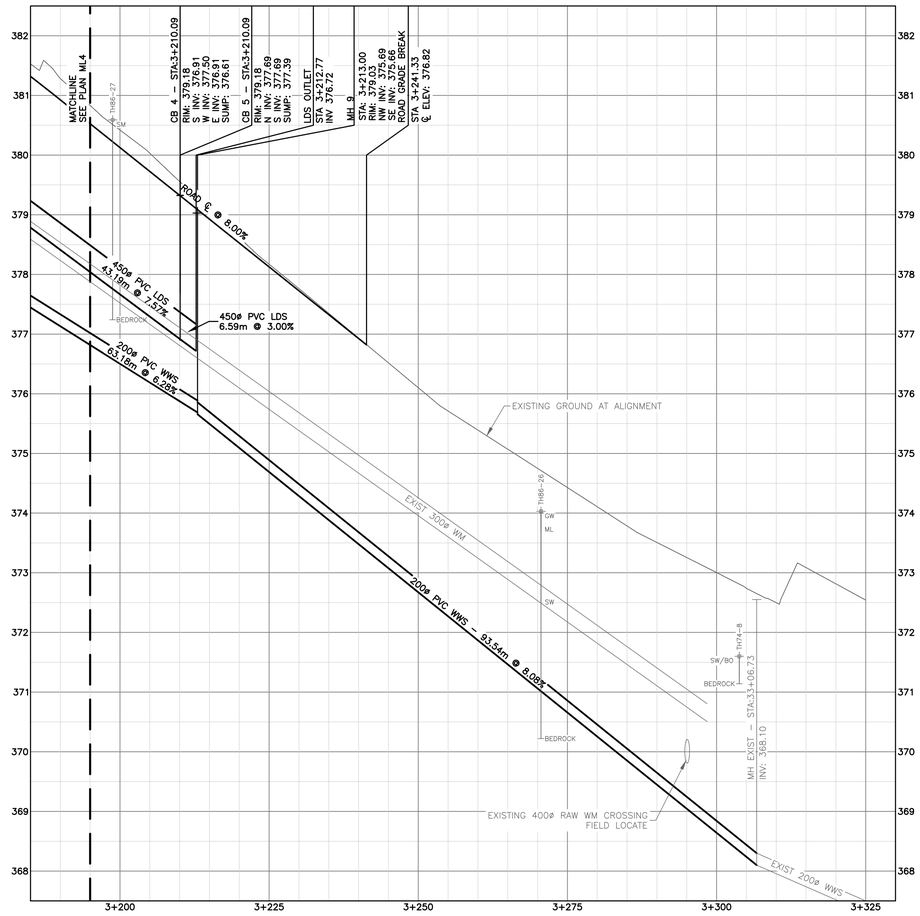
LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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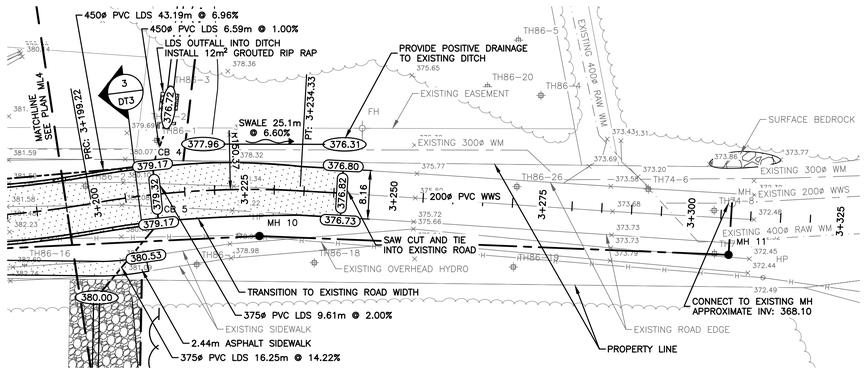
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| DESIGNED BY: | MF |
| DRAWN BY: | JW |
| REVIEWED BY: | SB |
| PROJECT: | CITY OF DRYDEN<br>MARIO MILANESE SUBDIVISION STAGE 3 |
| TITLE: | SANDY BEACH ROAD<br>PLAN AND PROFILE<br>STA 3+000.00 TO STA 3+195.00 |
| SCALE: | 1:500 |
| DATE: | 26/10/26 |
| PLAN: | ML4 |
| SHEET: | 6 of 18 |

Oct 28, 2026 - 7:40pm G:\300\536 City of Dryden\536.02 Van Horne Landing Subdv Design & Mario Milanese Subdv Stage 3\04 Drawings\dwg\Design Plans - Mario Milanese\Annotation Plans\ML4-1.dwg




SANDY BEACH ROAD – STA 3+195.00 TO STA 3+325.00

SCALE = V: 1:50
H: 1:500

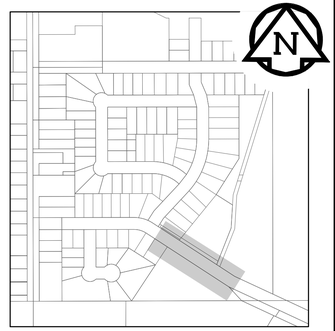



SANDY BEACH ROAD – STA 3+195.00 TO STA 3+325.00

SCALE = 1:500

NOTES:

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- MAINTAIN MIN. 2.60m COVER FOR ALL PIPING UNLESS OTHERWISE NOTED.
- MAINTAIN MIN. 3.00m COVER FOR PIPING BENEATH EXISTING/FUTURE ROADWAYS AND PARKING STALLS.
- BOX INSULATION TO BE USED WHERE MINIMUM COVER CANNOT BE ACHIEVED.
- MINIMUM 0.50m SEPARATION BETWEEN WATER AND SEWER PIPING AT CROSSINGS, WITH THE WATER PIPING ABOVE THE SEWER.
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- PROPOSED GROUND ELEVATIONS DENOTE FINISHED GRADE. ADJUST ELEVATIONS AS REQUIRED FOR TOPSOIL AND SOD PLACEMENT.
- CURB ELEVATIONS NOTED ON PLANS ARE GUTTER ELEVATION.
- CROSSWALK SIDEWALK RAMPING AS PER C.O.T.B SD R–120.
- ALLOW MUNICIPAL ENGINEER ACCESS TO THE SITE FOR REGULAR INSPECTIONS OF THE WORK.
- REFER TO PLAN GD1 FOR TEST HOLE LOCATIONS AND INFORMATION.
- ALIGNMENT FOLLOWS PROPOSED ROAD CENTRELINE. ROAD CENTRELINE DEVIATES FROM RIGHT OF WAY CENTRELINE.



KEY PLAN

SCALE = 1:5000

SCALE BAR
(IN METRES)

10 0 5 10 20 30 40 50

1:500

| No. | REVISIONS | DATE | INITIALS |
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| 1 | ISSUED FOR 99% REVIEW | 26/10/26 | RA |

B.M. EL.
SEE PLAN GI1

LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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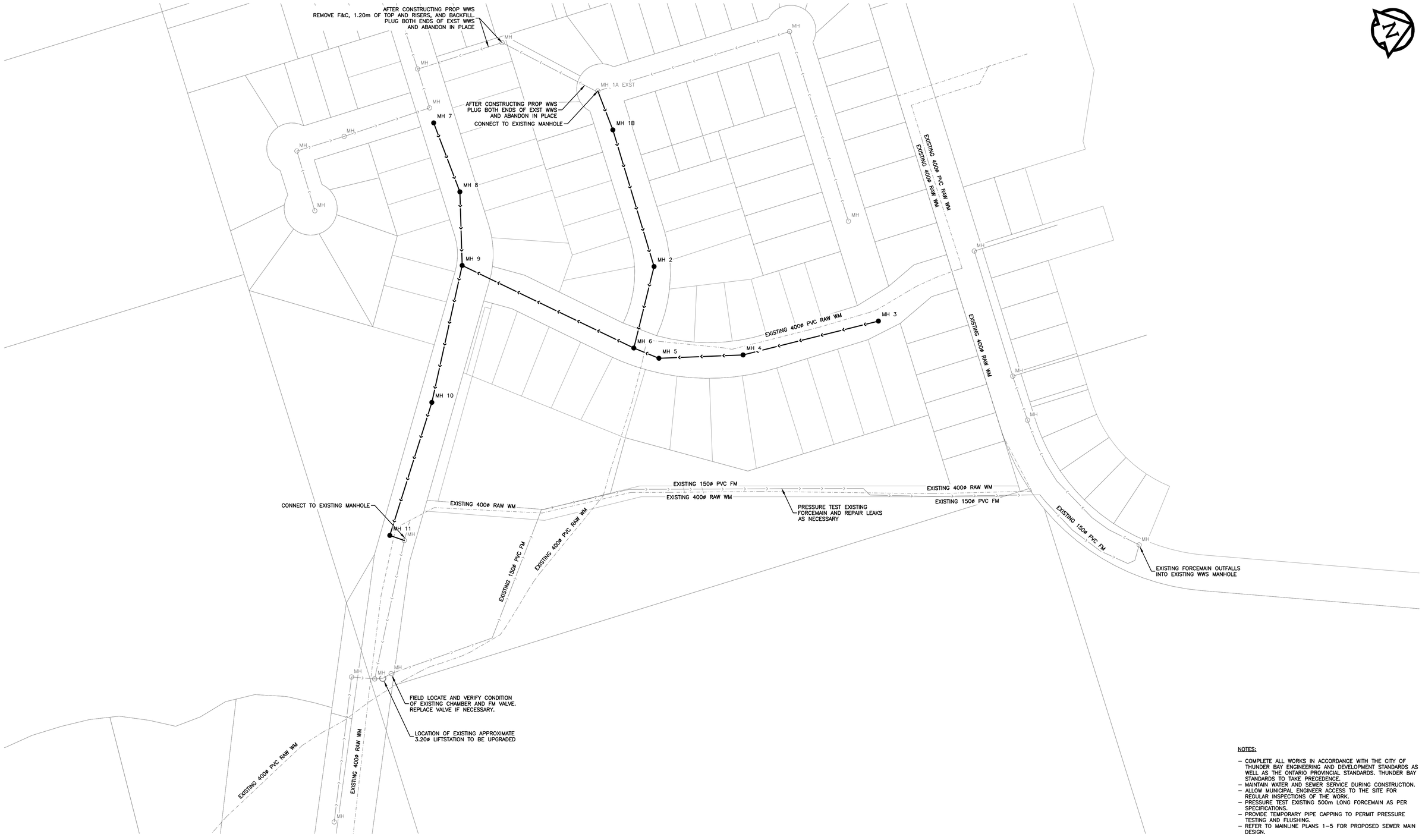
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| DESIGNED BY: | MF |
| DRAWN BY: | JW |
| REVIEWED BY: | SB |

PROJECT:
CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE:
SANDY BEACH ROAD
PLAN AND PROFILE
STA 3+195.00 TO STA 3+325.00

| SCALE: | DATE: | PLAN: | SHEET: |
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| 1:500 | 26/10/26 | ML5 | 7 of 18 |

Oct 28, 2026 – 7:47pm G:\500\536 City of Dryden\536.02 Van Horne Landing Subdiv Design & Mario Milanese Subdiv Stage 3\04 Drawing\Civil\Design Plans – Mario Milanese\Construction Plans\ML4–5.dwg




NOTES:

- COMPLETE ALL WORKS IN ACCORDANCE WITH THE CITY OF THUNDER BAY ENGINEERING AND DEVELOPMENT STANDARDS AS WELL AS THE ONTARIO PROVINCIAL STANDARDS. THUNDER BAY STANDARDS TO TAKE PRECEDENCE.
- MAINTAIN WATER AND SEWER SERVICE DURING CONSTRUCTION.
- ALLOW MUNICIPAL ENGINEER ACCESS TO THE SITE FOR REGULAR INSPECTIONS OF THE WORK.
- PRESSURE TEST EXISTING 500m LONG FORCEMAIN AS PER SPECIFICATIONS.
- PROVIDE TEMPORARY PIPE CAPPING TO PERMIT PRESSURE TESTING AND FLUSHING.
- REFER TO MAINLINE PLANS 1-5 FOR PROPOSED SEWER MAIN DESIGN.

SCALE BAR
(IN METRES)
20 0 10 20 40 60 80 100
1:1000

| No. | REVISIONS | DATE | INITIALS |
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B.M. EL.
SEE PLAN G11

LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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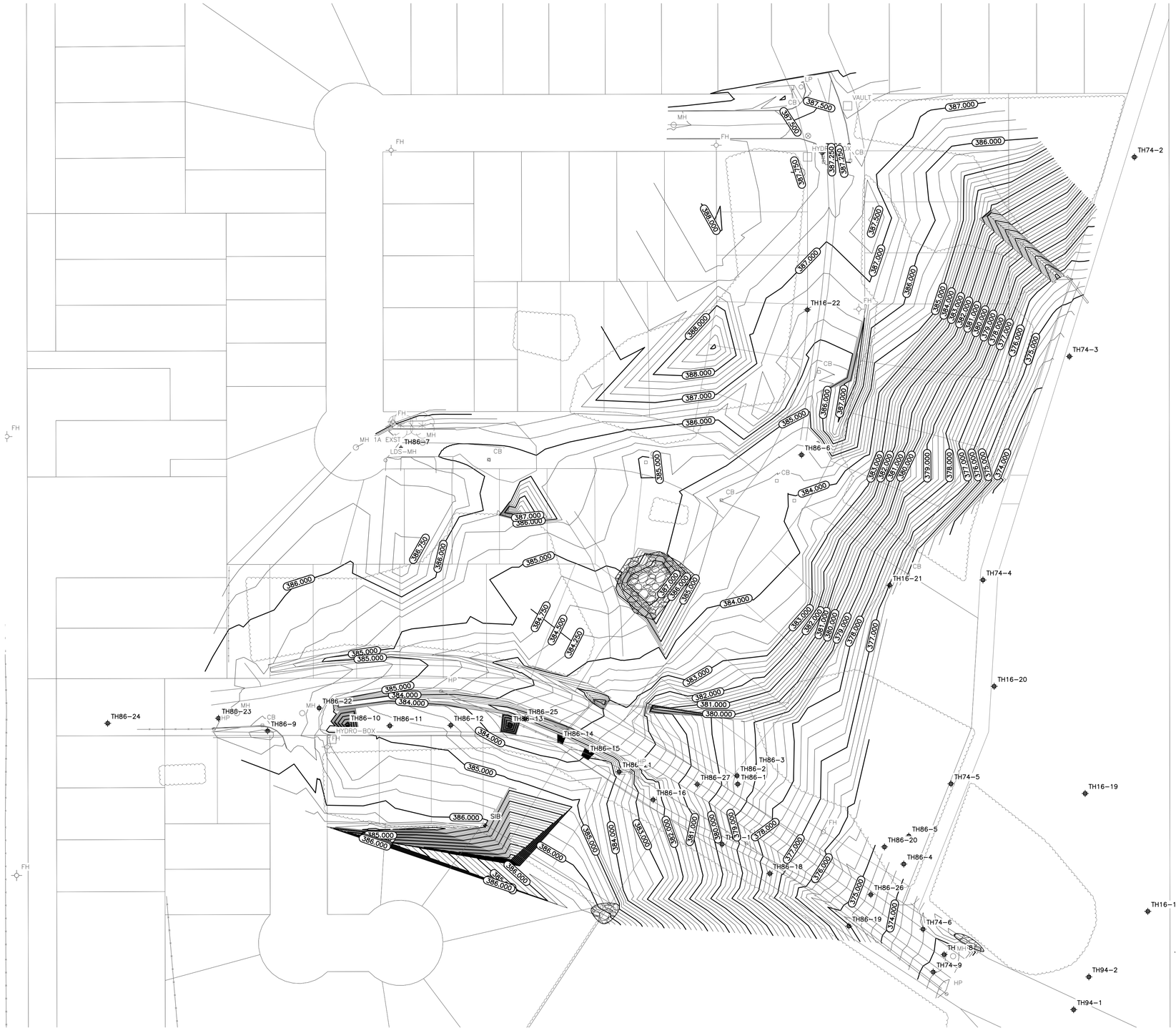
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DESIGNED BY: MF
DRAWN BY: JW
REVIEWED BY: SB

PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: LIFT STATION PRECEDENTS AND EXISTING FORCEMAIN

SCALE: 1:1000 | DATE: 26/10/26 | PLAN: ML6 | SHEET: 7 of 18

Oct 26, 2026 - 11:28am G:\500\536 City of Dryden\536.02 Van Horne Landing Subdv Design & Mario Milanese Subdv Stage 3\04 Drawings\dwg\Design Plans - Mario Milanese\Installation Plans\ML6.dwg




TESTHOLE LOG:

TEST HOLES FROM 1974 INTAKE LINE PROFILE

TH74-2 – ELEV. 381.8
- SAND TO 3.0m (MAX DEPTH DRILLED)

TH74-3 – ELEV. 373.6
- SAND TO 2.6m (MAX DEPTH DRILLED)
- (WET/WATER AT 1.5m)

TH74-4 – ELEV. 372.8
- LOOSE SAND TO 1.8m (MAX DEPTH DRILLED)
- (WET AND CAVING AT 0.6m)

TH74-5 – ELEV. 374.1
- SAND & BOULDERS TO 1.0m
- BEDROCK @ 1.0m

TH74-6 – ELEV. 372.9
- SAND & BOULDERS TO 2.0m
- BEDROCK @ 2.0m

TH74-8 – ELEV. 371.6
- SAND & BOULDERS TO 0.46m
- BEDROCK @ 0.46m

TH74-9 – ELEV. 371.6
- SAND & BOULDERS TO 0.9m
- BEDROCK @ 0.9m

MILANESE SUBDIVISION TEST HOLES (UMA-1986)

TH86-1 – ELEV. 378.47
- SAND TO 1.67m
- BEDROCK @ 1.67m

TH86-2 – ELEV. 378.53
- SAND TO 1.83m
- BEDROCK @ 1.83m

TH86-3 – ELEV. 379.17
- SAND WITH SILT TO 9.9m
- WATER LEVEL AT 5.8m
- BEDROCK @ 9.9m

TH86-4 – ELEV. 374.09
- SAND WITH SHOT ROCK TO 1.52m
- BEDROCK @ 1.52m

TH86-5 – ELEV. 373.85
- SAND TO 2.13m
- BEDROCK @ 2.13m

TH86-6 – ELEV. 384.4
- SAND TO 0.6m
- SILTY CLAY 0.6m TO 2.4m
- SAND 2.4m TO 4.88m (MAX DEPTH DRILLED)

TH86-7 – ELEV. 386.2
- SAND TO 2.74m
- SILTY SAND 2.74m TO 4.88m (MAX DEPTH DRILLED)

TH86-8 – ELEV. 387.2
- FINE SAND TO 2.7m
- WET SAND 2.7m TO 4.0m (MAX DEPTH DRILLED)

TH86-9 – ELEV. 385.53
- SAND TO 0.46m
- CLAY 0.46m TO 4.34m
- SILTY SAND 4.34m TO 4.88m (MAX DEPTH DRILLED)

TH86-10 – ELEV. 385.24
- CLAY TO 3.96m
- SAND 3.96m TO 4.88m (MAX DEPTH DRILLED)

TH86-11 – ELEV. 385.12
- SAND TO 0.30m
- CLAY 0.30m TO 3.96m
- SILT 3.96m TO 4.88m (MAX DEPTH DRILLED)

TH86-12 – ELEV. 384.73
- SAND TO 0.15m
- CLAY 0.15m TO 3.66m
- SAND 3.66m TO 4.88m (MAX DEPTH DRILLED)

TH86-13 – ELEV. 383.78
- SAND TO 0.30m
- CLAY 0.30m TO 2.44m
- SILT WITH SAND 2.44m TO 4.88m (MAX DEPTH DRILLED)

TH86-14 – ELEV. 384.12
- CLAY TO 1.83m
- SAND WITH SILT 1.83m TO 4.88m
- SAND 4.88m 6.40m (MAX DEPTH DRILLED)

TH86-15 – ELEV. 384.69
- SILT TO 1.52m
- SAND 1.52m TO 7.92m (MAX DEPTH DRILLED)

TH86-16 – ELEV. 382.09
- SAND TO 5.64m
- BEDROCK @ 5.64m

TH86-17 – ELEV. 378.95
- SAND TO 3.81m
- BEDROCK @ 3.81m

TH86-18 – ELEV. 378.93
- SAND TO 0.61m
- BEDROCK @ 0.61m

TH86-19 – ELEV. 375.07
- SAND TO 1.52m
- BEDROCK @ 1.52m

TH86-20 – ELEV. 373.82
- SAND TO 1.52m
- SAND WITH SILT AND CLAY 1.52m TO 2.29m
- SAND 2.29m TO 2.74m
- BEDROCK @ 2.74m

TH86-21 – ELEV. 380.56
- SILT TO 4.88m (MAX DEPTH DRILLED)

TH86-22 – ELEV. 380.56
- SAND TO 1.22m
- CLAY 1.22m TO 3.05m
- SILT 3.05m TO 4.88m (MAX DEPTH DRILLED)

TH86-23 – ELEV. 386.10
- GRANULAR TO 0.15m
- SILT 0.15m TO 4.88m (MAX DEPTH DRILLED)

TH86-24 – ELEV. 386.58
- GRANULAR TO 0.15m
- SAND 0.15m TO 1.21m
- CLAY 1.21m TO 1.83m
- SILT 1.83m TO 4.88m (MAX DEPTH DRILLED)

TH86-25 – ELEV. 384.80
- GRANULAR TO 0.15m
- CLAY 0.15m TO 2.44m
- SILT 2.44m TO 4.88m (MAX DEPTH DRILLED)

TH86-26 – ELEV. 374.03
- GRANULAR TO 0.15m
- SILT 0.15m TO 1.52m
- SAND 1.52m TO 3.81m
- BEDROCK @ 3.81m

TH86-27 – ELEV. 380.59
- SILTY SAND TO 3.35m
- BEDROCK @ 3.35m

SANDY BEACH ROAD PUMPING STATION TEST HOLES (TROW 1994)

TH94-1 – ELEV. 370.4
- GRAVEL FILL (ROAD BED) TO 1.2m
- SAND MED GRAIN 1.2m TO 1.7m
- PEAT SOFT WET 1.7m TO 3.0m
- LAKE SEDIMENT, VERY SOFT 3.0m TO 4.1m
- SAND (COMPACT AT 4.9) 4.1m TO 6.3m
- BEDROCK @ 6.3m

TH94-2 – ELEV. 370.30
- SILTY SAND SOME CLAY TO 1.5m
- PEAT SOFT WET 1.5m TO 3.0m
- LAKE SEDIMENT, VERY SOFT 3.0m TO 3.5m
- SILTY SAND (SATURATED) 3.5m TO 4.6m
- SAND 4.6m TO 5.6m
- BEDROCK @ 5.6m

TEST HOLES FROM 2016 INTAKE LINE PROFILE

TH16-18 – ELEV. 371.9m
- TOPSOIL TO 0.2m
- SAND 0.2m TO 0.7m
- BEDROCK 0.7m TO 4.6m (MAX DEPTH DRILLED)

TH16-19 – ELEV. 370.9m
- TOPSOIL TO 0.2m
- SAND 0.2m TO 0.9m
- BEDROCK 0.9m TO 4.4m (MAX DEPTH DRILLED)

TH16-20 – ELEV. 373.8m
- TOPSOIL TO 0.2m
- SAND 0.2m TO 5.2m (MAX DEPTH DRILLED)

TH16-21 – ELEV. 377.0m
- TOPSOIL TO 0.2m
- SAND 0.2m TO 5.2m (MAX DEPTH DRILLED)

TH16-22 – ELEV. 386.7m
- TOPSOIL TO 0.2m
- SAND 0.2m TO 5.2m (MAX DEPTH DRILLED)

SCALE BAR
(IN METRES)
15 0 7.5 15 30 45 60 75
1:750

| No. | REVISIONS | DATE | INITIALS |
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| 1 | ISSUED FOR 99% REVIEW | 26/10/26 | RA |

B.M. EL.
SEE PLAN G1

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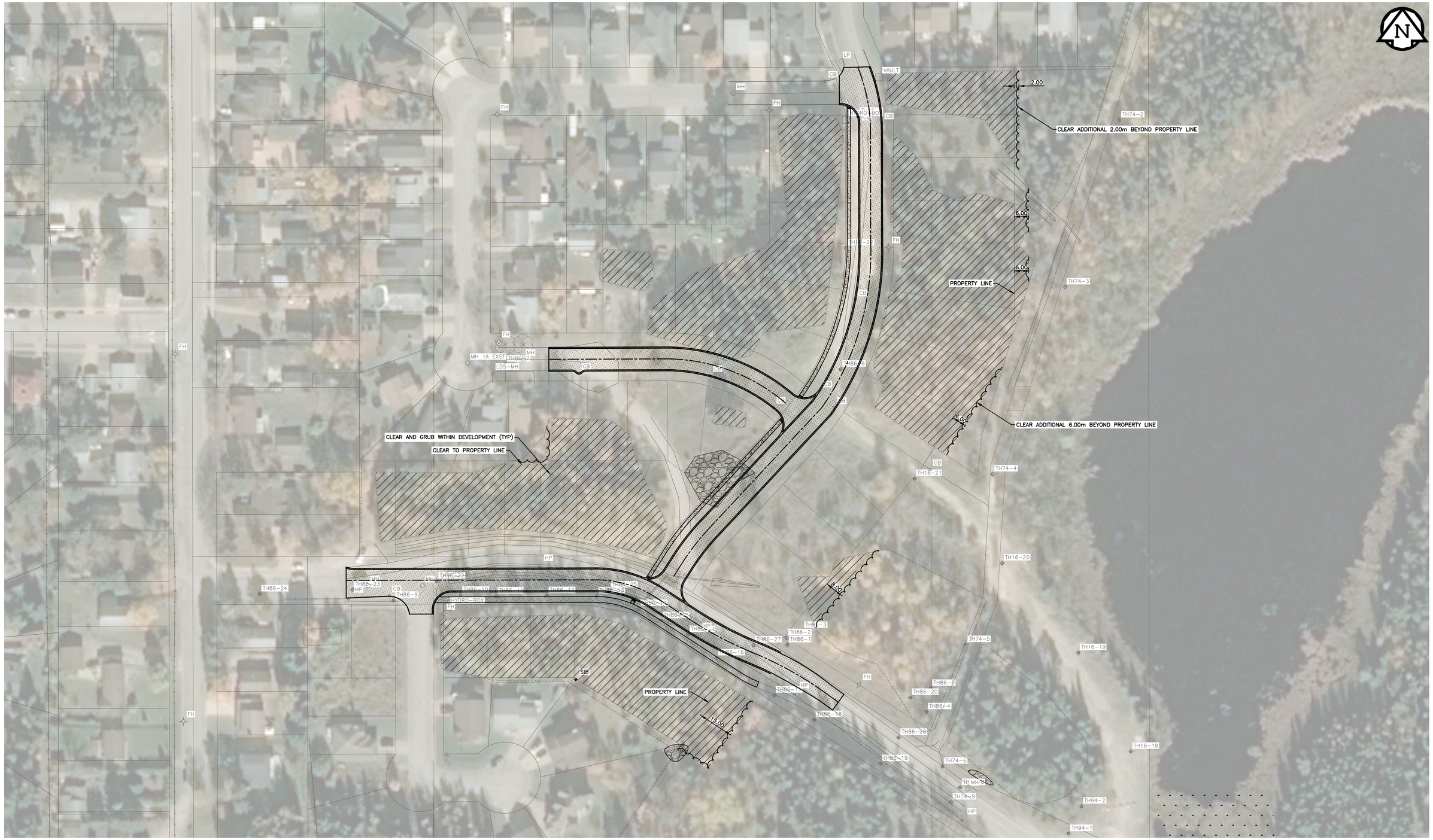
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| DESIGNED BY: | MF |
| DRAWN BY: | JW |
| REVIEWED BY: | SB |

PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: EXISTING CONTOUR PLAN AND TEST HOLE INFORMATION

| SCALE: | DATE: | PLAN: | SHEET: |
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| 1:750 | 26/10/26 | GD1 | 8 of 18 |

Oct 26, 2026 - 11:25am G:\500\536 City of Dryden\536.02 Van Horne Landing Subdv Design & Mario Milanese Subdv Stage 3\04 Drawings\Arch\Design Plans - Mario Milanese\Annotation Plans\001-002.dwg




SCALE BAR
(IN METRES)

15 0 7.5 15 30 45 60 75

1:750

| No. | REVISIONS | DATE | INITIALS |
|---|---|---|---|
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B.M. EL.

SEE PLAN GI1

LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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| CODE: | D-536.02 |
| DESIGNED BY: | MF |
| DRAWN BY: | JW |
| REVIEWED BY: | SB |

PROJECT:
CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE:
TREE CLEARING EXTENTS

| SCALE: | DATE: | PLAN: | SHEET: |
|---|---|---|---|
| 1:750 | 26/10/26 | GD2 | 9 of 18 |

Oct 26, 2026 - 11:02am G:\000\536 City of Dryden\536.02 Van Horne Landing Subdiv Design & Mario Milanese Subdiv Stage 3\04 Drawings\Dwg\Design Plans - Mario Milanese\Innovation Plans\GD1 GD2.dwg

MARIO MILANESE PLACE

ELVIS AVENUE

SANDY BEACH ROAD

MATCH EXISTING GROUND ALONG DEVELOPED PROPERTY LINE (TYP)

MATCH EXISTING GROUND ALONG DEVELOPED PROPERTY LINE (TYP)

LOT 1 386.35 — 10.01m @ 5.00% — 25.51m @ 4.60%

LOT 2 386.20 — 23.99m @ 2.42%

LOT 3 385.40 — 22.51m @ 4.00%

LOT 4 385.20 — 27.42m @ 1.50%

LOT 5 384.10 — 25.87m @ 1.00%

LOT 6 383.05 — 24.32m DITCH @ 6.78% — 28.81m DITCH @ 0.50%

LOT 7 386.30 — 4.00 EASEMENT — 36.07m @ 1.83%

LOT 8 386.15 — 36.05m @ 1.53%

LOT 9 385.55 — 36.04m @ 1.32%

LOT 10 385.80 — 36.04m @ 1.81%

LOT 11 385.72 — 36.03m @ 2.66%

LOT 12 385.45 — 36.02m @ 2.94%

LOT 13 385.02 — 36.01m @ 2.20%

LOT 14 384.55 — 39.20m @ 1.65%

LOT 15 385.25 — 40.85m @ 2.06%

LOT 16 385.55 — 33.57m @ 1.49%

LOT 17 385.85 — 33.56m @ 2.09%

LOT 18 386.03 — 33.56m @ 2.85%

LOT 19 386.25 — 33.52m @ 1.22%

LOT 20 385.97 — 45.71m @ 1.75%

LOT 21 385.55 — 45.73m @ 3.44%

LOT 22 386.50 — 45.84m @ 3.93%

LOT 23 386.40 — 47.84m @ 4.29%

LOT 24 385.65 — 27.25m @ 1.47%

LOT 25 386.26 — 31.77m @ 2.52%

LOT 26 386.82 — 33.40m @ 3.52%

LOT 27 387.45 — 32.04m @ 4.51%

LOT 28 387.75 — 32.02m @ 4.38%

LOT 29 387.90 — 32.00m @ 3.22%

LOT 30 384.15 — 12.23m @ 25.96% — 14.14m @ 42.60%

LOT 31 384.26

LOT 32 384.36 — 13.43m @ 45.30% — 13.67m @ 44.40%

LOT 33 384.45 — 13.60m @ 44.65%

LOT 34 384.78

LOT 35 385.08 — 13.32m @ 45.77% — 14.06m @ 42.90%

LOT 36 385.35 — 13.56m @ 45.60%

LOT 37 385.67 — 13.53m @ 44.50%

LOT 38 385.98 — 13.53m @ 44.90%

LOT 39 386.50 — 13.68m @ 44.40%

LOT 40 387.28 — 13.68m @ 44.40%

LOT 41 387.83 — 13.67m @ 44.40%

LOT 42 387.87 — 11.58m @ 9.20%

54.10m @ 1.48% — 33.90m @ 2.63%

27.37m @ 3.00%

26.70m @ 2.00%

28.68m @ 5.00%

28.64m @ 7.00%

23.33m @ 7.00%

17.35m @ 5.00%

16.55m @ 7.00%

15.70m @ 3.00%

16.83m @ 2.00%

18.35m @ 2.00%

18.76m @ 5.00%

16.82m @ 2.00%

8.00 EASEMENT

8.00 EASEMENT

6.00 EASEMENT

6.00 EASEMENT

5.00 EASEMENT

4.00 EASEMENT

37.41m DITCH @ 1.00%

18.59m DITCH @ 3.57%

15.24m DITCH @ 0.25%

15.24m DITCH @ 0.25%

15.24m DITCH @ 5.00%

4.60m DITCH @ 1.25%

52.86m DITCH @ 0.85%

20.81m DITCH @ 6.98%

11.33m DITCH @ 22.54%

65.57m DITCH @ 0.20%

26.98m DITCH @ 2.18%

SWALE @ 6.92% — 25.1m

40.04m @ 0.32%

17.84m @ 1.59%

18.70m @ 1.87%

15.49m @ 3.80%

15.50m @ 5.00%

15.46m @ 5.00%

7.07m @ 3.19%

15.54m @ 3.80%

15.50m @ 5.00%

15.54m @ 3.80%

15.54m @ 5.00%

23.75m @ 3.80%

300ø CULVERT
6.00m @ 0.30%
INSTALL GROUTED RIP RAP TO BACK OF CURB

11.51m @ 3.00%

11.57m @ 3.00%

11.50m @ 3.00%

11.45m @ 3.00%

11.51m @ 3.00%

11.50m @ 3.00%

11.48m @ 3.00%

11.54m @ 3.00%

11.56m @ 3.00%

11.51m @ 3.00%

11.51m @ 3.00%

11.51m @ 4.00%

SURFACE BEDROCK

INSTALL RIP RAP WITHIN EASEMENT

GRADE TO EXISTING GROUND AT 4:1

GRADE TO EXISTING GROUND AT 4:1

BUILD UP MIN. 0.30m BACKSLOPE TO DIRECT DITCH FLOW INTO EXISTING CATCHBASIN

GRADE TO EXISTING GROUND AT 4:1

EXISTING DITCH

EXISTING CULVERT

RAISE EXISTING PATHWAY

EXISTING SIDEWALK

TRANSITION GRADE TO EXISTING GROUND AT 2:1

TH86-24 TH86-23 TH86-9 TH86-8 TH86-7 TH86-6 TH86-5 TH86-4 TH86-3 TH86-2 TH86-1 TH86-25 TH74-2 TH74-3 TH74-4

MH 1A EXST LDS-MH MH FH CB LP

SCALE BAR
(IN METRES)
10 0 5 10 20 30 40 50
1:500

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SEE PLAN G11

LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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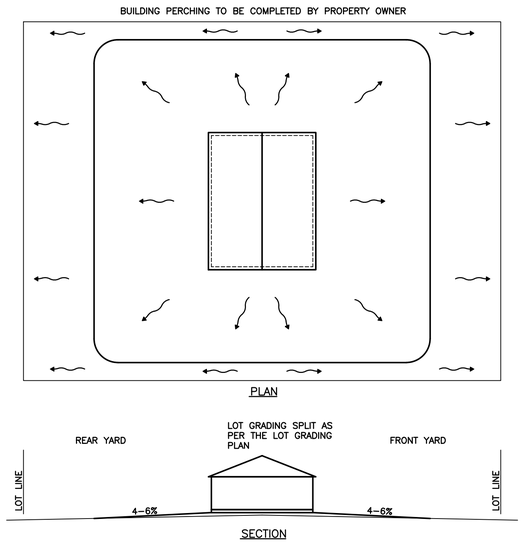
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| REVIEWED BY: | SB |

PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

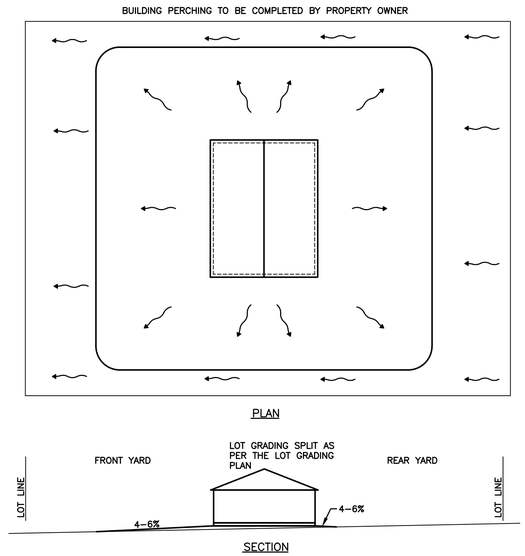
TITLE: GRADING PLAN

| SCALE: | DATE: | PLAN: | SHEET: |
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| 1:500 | 26/10/26 | GD3 | 11 of 18 |

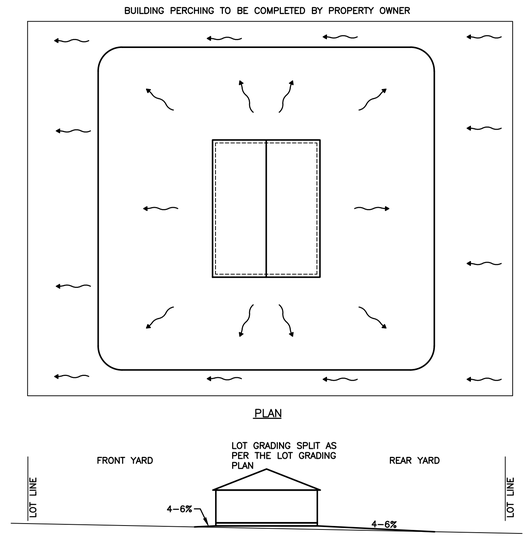
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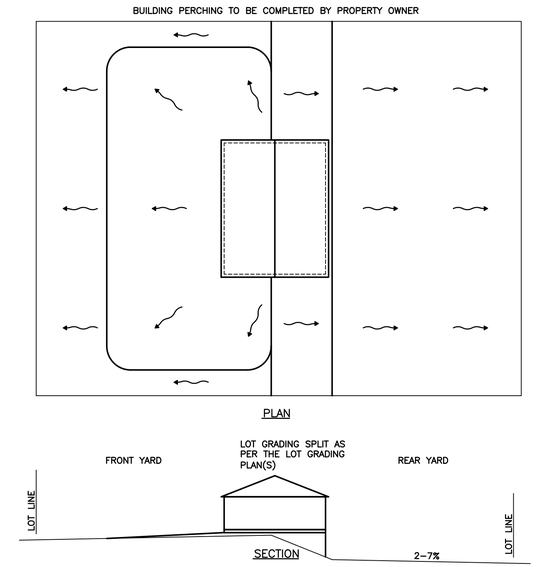

1/1 SPLIT LOT DRAINAGE – HOUSE PERCHING
SCALE = NTS



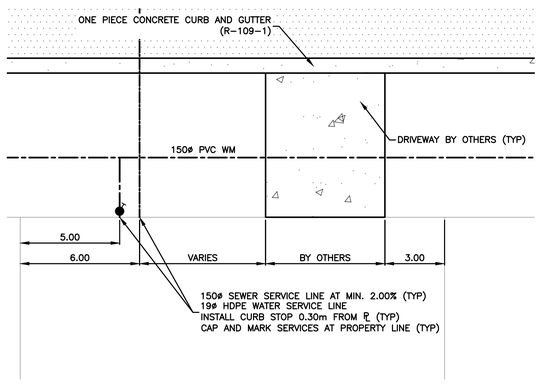

2/1 BACK–FRONT LOT DRAINAGE – HOUSE PERCHING
SCALE = NTS



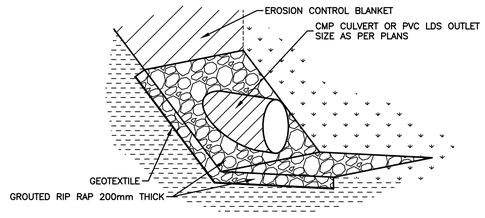

3/1 FRONT–BACK LOT DRAINAGE – HOUSE PERCHING
SCALE = NTS



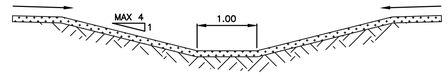

4/1 REAR WALK–OUT LOT DRAINAGE – HOUSE PERCHING
SCALE = NTS




5/1 TYPICAL LOT FRONTAGE
SCALE = 1:150




6/1 CULVERT RIP RAP DETAIL
SCALE = 1:50




7/1 TRAPEZOIDAL DITCH CROSS SECTION
SCALE = 1:50




8/1 INTERLOT SWALE CROSS SECTION
SCALE = 1:50

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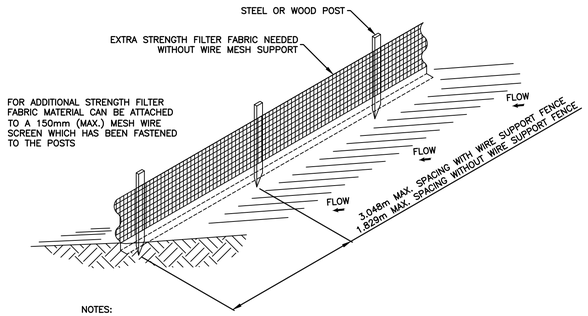
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PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: GRADING AND DRAINAGE DETAILS

| SCALE: | DATE: | PLAN: | SHEET: |
|---|---|---|---|
| AS NOTED | 26/10/26 | DT1 | 11 of 18 |

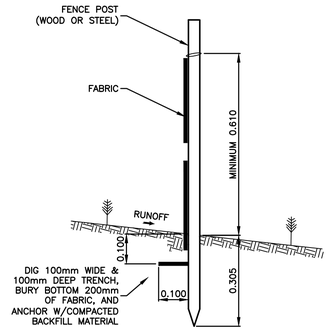
Oct 26, 2026 – 11:25am G:\500\536 City of Dryden\536.02 Mario Milanese Subdiv Stage 3\04 Drawings\Civil\Design Plans – Mario Milanese\Annotation Plans\DT1 DT2 DT3 DT4.dwg



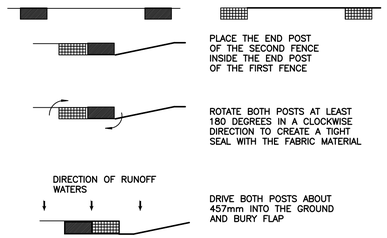

NOTES:

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 914mm.
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
3. POSTS SHALL BE SPACED A MAXIMUM OF 3.048m APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 300mm. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 1.829m.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 100mm WIDE AND 100mm DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 25mm LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 50mm AND SHALL NOT EXTEND MORE THAN 914mm ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 200mm OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 914mm ABOVE THE ORIGINAL GROUND SURFACE.
7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
8. SILT FENCING TO BE POLYPROPYLENE SYNTHETIC FIBRE WITH ULTRAVIOLET STABILIZERS. AMOCO 1198 OR APPROVED EQUAL.
9. WOOD POSTS TO BE 38mm X 89mm (2" X 4"), POINTED AT ONE END AND FABRICATED.
10. INSTALL ALL SUPPORTING POSTS ON THE DOWN SLOPE SIDE OF THE FENCING
11. MAINTAIN SILT FENCE THROUGHOUT CONSTRUCTION AND UNTIL REVEGETATION OCCURS.

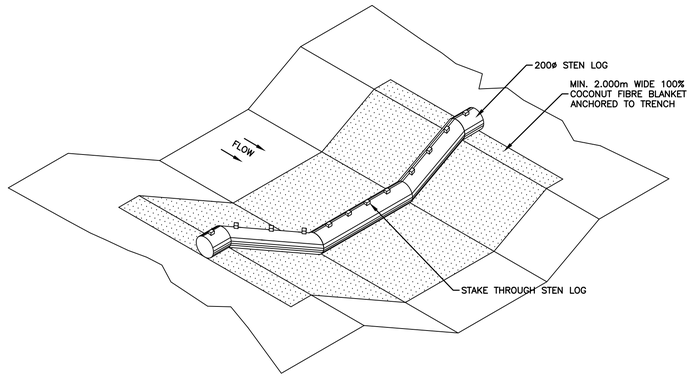
1/2 SILT FENCE DETAIL
SCALE = 1:40




SILT FENCE SECTION
SCALE = 1:10



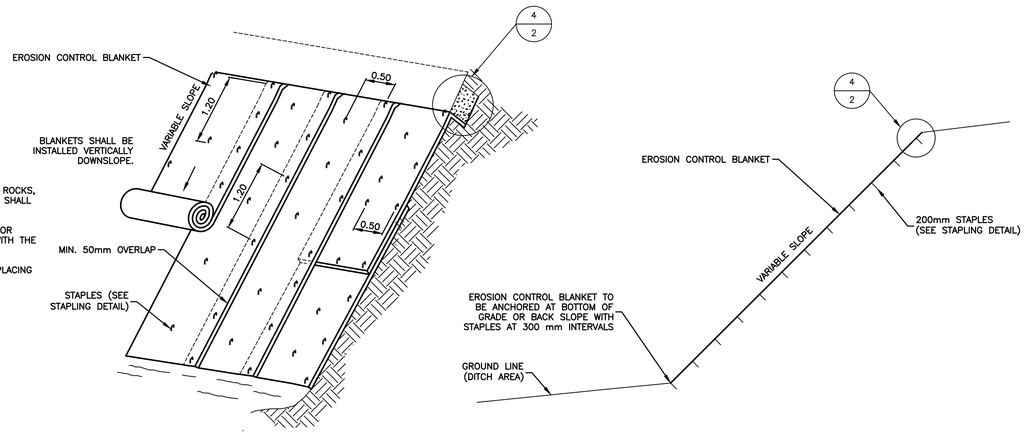

ATTACHING TWO SILT FENCES
SCALE = 1:10



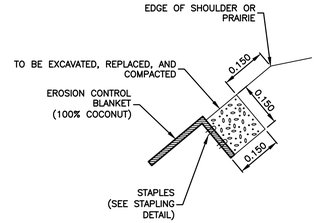

3/2 STEN LOG DETAIL
SCALE = 1:30

NOTES:

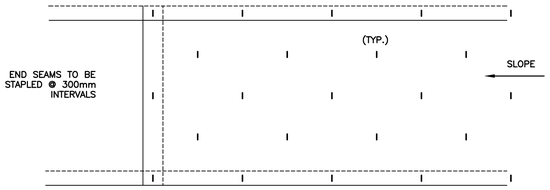
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
3. SEED SHALL BE PLACED PRIOR TO PLACING BLANKET.




4/2 EROSION CONTROL BLANKET ON GRADE OR BACK SLOPE (GS OR BS)
SCALE = 1:50




5/2 STAPLING DETAIL
SCALE = 1:10




6/2 STAPLING DETAIL
SCALE = 1:10

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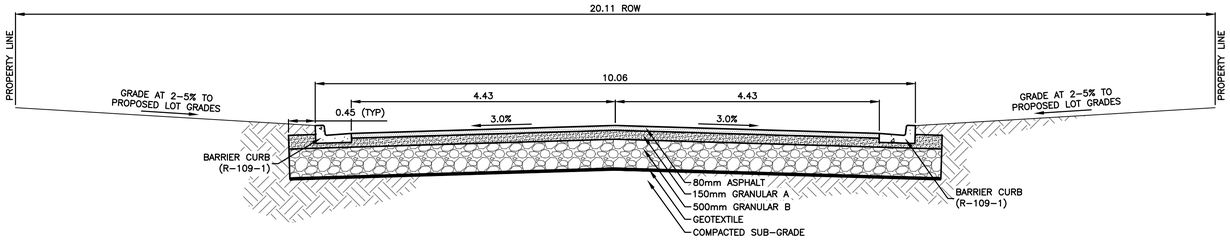
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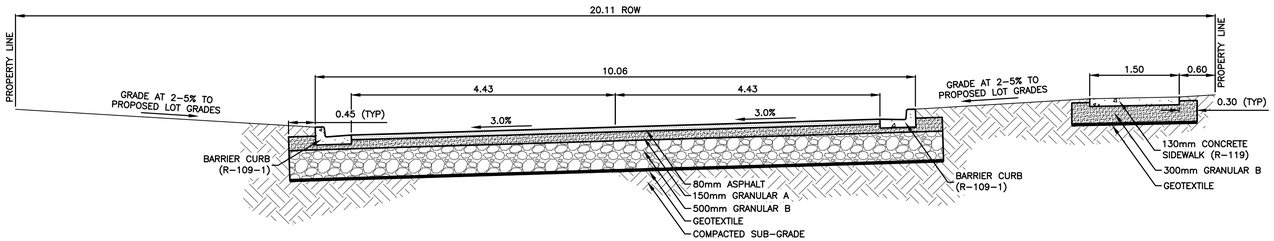
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| PROJECT: | CITY OF DRYDEN<br>MARIO MILANESE SUBDIVISION STAGE 3 |
| TITLE: | EROSION CONTROL DETAILS |
| SCALE: | AS NOTED |
| DATE: | 26/10/26 |
| PLAN: | DT2 |
| SHEET: | 12 of 18 |

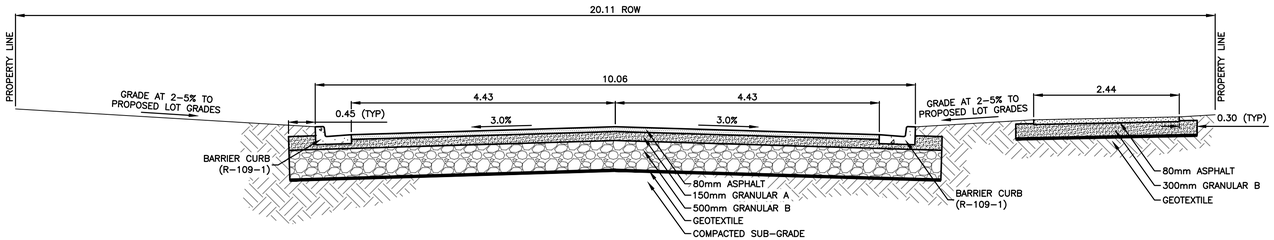
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1/3 ROAD CROSS SECTION
SCALE = 1:50




2/3 ROAD CROSS SECTION
SCALE = 1:50




3/3 ROAD CROSS SECTION WITH SIDEWALK
SCALE = 1:50

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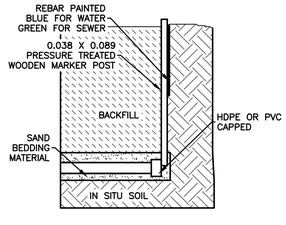
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PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: ROADWAY DETAILS

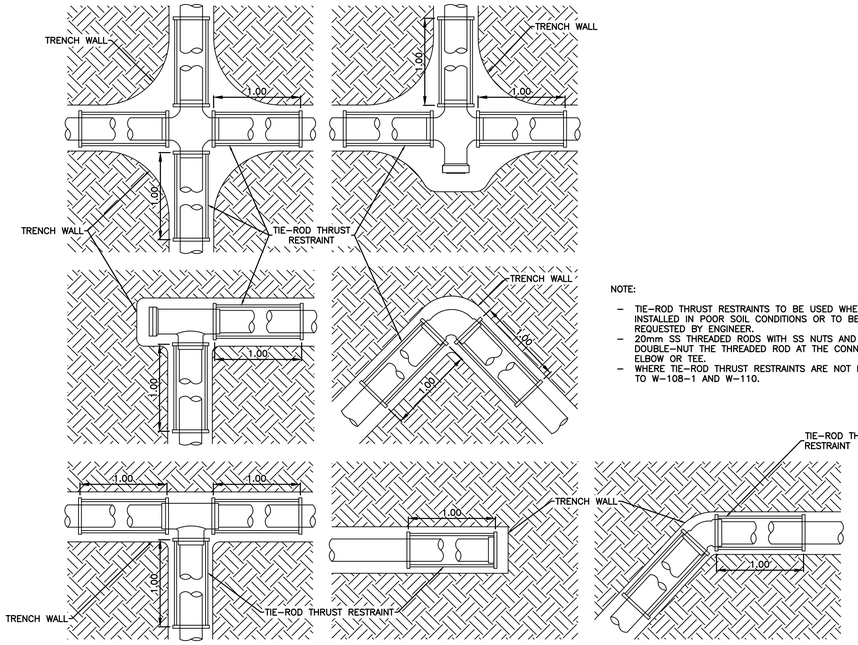
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1/4 PIPE END MARKER

SCALE = 1:20




NOTE:

- TIE–ROD THRUST RESTRAINTS TO BE USED WHEN PIPE IS INSTALLED IN POOR SOIL CONDITIONS OR TO BE USED AS REQUESTED BY ENGINEER.
- 20mm SS THREADED RODS WITH SS NUTS AND WASHERS. DOUBLE–NUT THE THREADED ROD AT THE CONNECTION TO THE ELBOW OR TEE.
- WHERE TIE–ROD THRUST RESTRAINTS ARE NOT REQUIRED, DEFER TO W–108–1 AND W–110.

2/4 TIE–ROD THRUST RESTRAINT DETAILS

SCALE = 1:20

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LOCATIONS OF UNDERGROUND STRUCTURES/UTILITIES AS SHOWN ARE BASED ON AVAILABLE INFORMATION BUT NO GUARANTEE IS GIVEN OR IMPLIED THAT ALL EXISTING UNDERGROUND STRUCTURES/UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL UNDERGROUND STRUCTURES/UTILITIES MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY/OWNER, BY THE CONTRACTOR, BEFORE PROCEEDING WITH CONSTRUCTION.

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| CODE: | D–536.02 |
| DESIGNED BY: | MF |
| DRAWN BY: | JW |
| REVIEWED BY: | SB |

PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: UNDERGROUND DETAILS

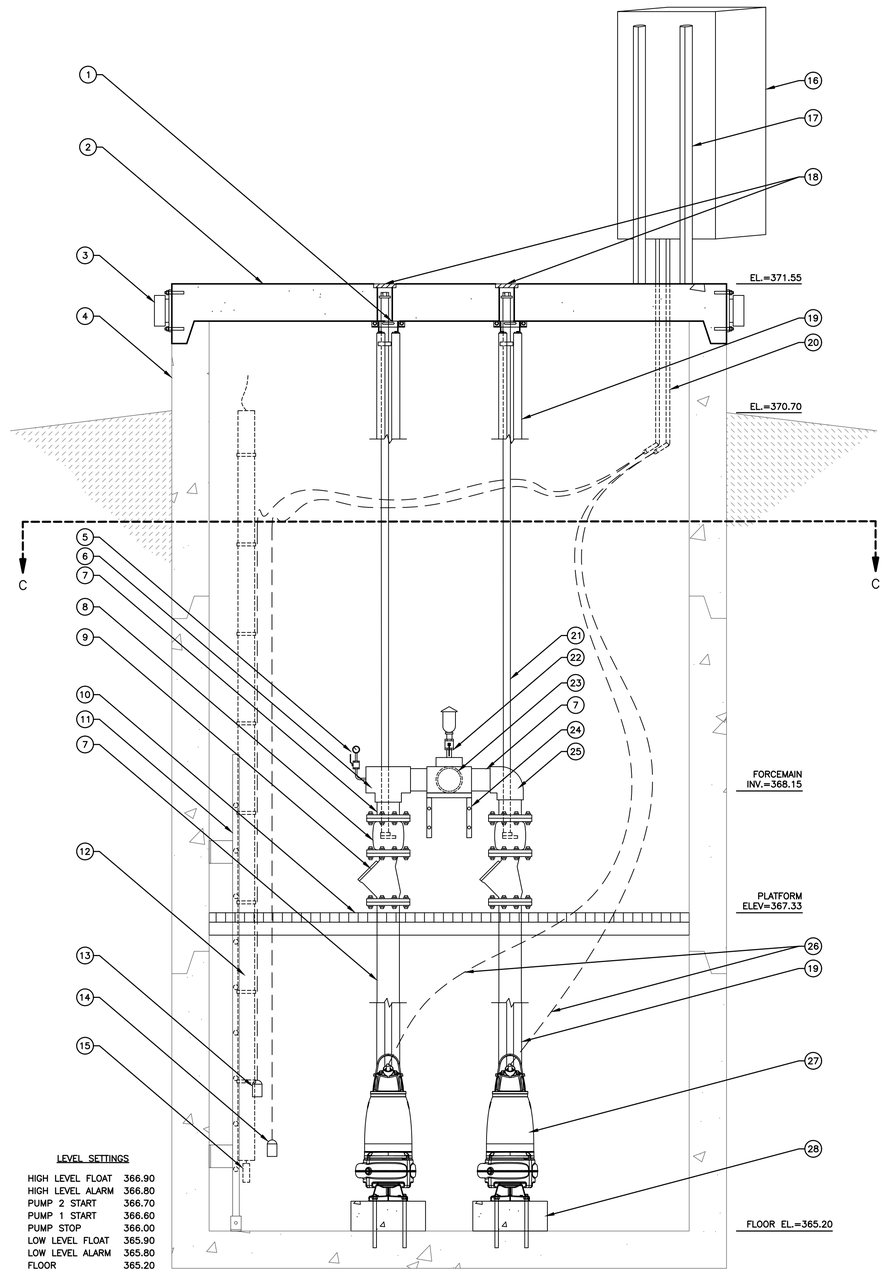
| SCALE: | DATE: | PLAN: | SHEET: |
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| AS NOTED | 26/10/26 | DT4 | 14 of 18 |

Oct 26, 2026 – 11:25am G:\500\536 City of Dryden\536.02 Van Home Landing Subdiv Design & Mario Milanese Subdiv Stage 3\04 Drawings\Arch\Design Plans – Mario Milanese\Annotation Plans\DT1 DT2 DT3 DT4.dwg

| ITEM | DESCRIPTION |
|---|---|
| 1 | STAINLESS STEEL UPPER GUIDE BAR HOLDER |
| 2 | REPLACEMENT CONCRETE FLAT TOP. MATCH EXISTING BARREL DIAMETER |
| 3 | SOCKET FOR LIFTING DAVIT |
| 4 | EXISTING LIFT STATION BARREL (APPROX 3200mm ID) |
| 5 | PRESSURE GAUGE |
| 6 | 150ø SS TEE (TAP BLIND FLANGE END FOR PRESSURE GAUGE) |
| 7 | 150ø SS PIPING C/W PIPE SUPPORT |
| 8 | 150ø PLUG VALVE |
| 9 | 150ø FLANGED BALL CHECK VALVE |
| 10 | SLIP RESISTANT FIBERGLASS INTERMEDIATE FLOOR 38mm THICK X 38mm MESH YELLOW GRATING. SUPPORT ON FRP I-BEAM OR ANGLE SUPPORTS SECURED TO WALL. DESIGN ASSEMBLY TO SUPPORT 100 LBS/SQ. FT. WITH LESS THAN 8.1mm OF DEFLECTION. (FIBREGRATE CANADA OR APPROVED EQUAL) |
| 11 | ACCESS LADDER LOWER LEVEL |
| 12 | 150ø PVC STILLING WELL. CUT PIPE AT 180°. FASTEN AT 600mm SPACING TO LIFT STATION BARREL WITH STAINLESS STEEL SUPPORTS. |
| 13 | HIGH LEVEL FLOAT |
| 14 | LOW LEVEL FLOAT |
| 15 | HYDROSTATIC LEVEL CONTROLLER |
| 16 | LIFT STATION PUMP CONTROL PANEL C/W HAZARDOUS JUNCTION BOX AND AUTOMATIC TRANSFER SWITCH PANEL |
| 17 | 2-75ø GALVANIZED STEEL PIPES AS SUPPORT POST |
| 18 | CORE HOLES THROUGH BARREL TOP FOR PLUG VALVE OPERATOR RODS. PROVIDE STAINLESS STEEL COVER BOLTED TO BARREL TOP. COVER TO BE FLUSH WITH BARREL TOP (TYP). |
| 19 | 50ø SS SCH. 40 PIPE AS GUIDE BARS COMPLETE WITH INTERMEDIATE GUIDE BAR HOLDERS AS REQUIRED (25ø PER OPTIONAL EQUIPMENT) |
| 20 | POWER AND CONTROL CONDUITS FROM LIFT STATION PANEL |
| 21 | PLUG VALVE OPERATOR ROD |
| 22 | AIR RELEASE VALVE C/W 25ø BALL VALVE |
| 23 | 150ø SS TEE |
| 24 | SS SUPPORT BRACKETS |
| 25 | 150ø SS ELBOW |
| 26 | ELECTRICAL CABLE FOR PUMPS |
| 27 | SUBMERSIBLE PUMPS AS PER SPECIFICATION |
| 28 | 200mm TALL CONCRETE PEDESTAL BASE FOR PUMPS. DRILL AND ANCHOR TO LIFT STATION FLOOR. |
| 29 | CORE HOLE THROUGH BARREL TOP FOR KNIFE GATE VALVE OPERATOR ROD. PROVIDE STAINLESS STEEL COVER BOLTED TO BARREL TOP. COVER TO BE FLUSH WITH BARREL TOP (TYP). |
| 30 | 7mmø GALVANIZED STEEL CHAIN. MINIMUM 12m LONG COMPLETE WITH STAINLESS STEEL CHAIN HOOK. LOCATE IN ACCESS OPENING. COIL EXCESS CHAIN AT HOOK |
| 31 | KNIFE GATE VALVE OPERATOR ROD |
| 32 | ACCESS LADDER UPPER LEVEL |
| 33 | PROVIDE STAINLESS STEEL SUPPORTS AS REQUIRED FOR VALVE OPERATING RODS |
| 34 | 200ø KNIFE GATE VALVE C/W FLANGE ADAPTER TO EXISTING SEWER STUB |
| 35 | EXISTING 200ø SEWER PIPING |
| 36 | 150ø SS CHAMBER VENT, C/W 150ø FLANGE, 180° RET. BEND, BIRDSCREEN |
| 37 | 150ø SS TEE (ONE END FLANGED FOR AIR RELEASE VALVE) |
| 38 | EXISTING 150ø PVC FORCEMAIN |
| 39 | 150ø RESTRAINED COUPLER |
| 40 | 150ø DISCHARGE ELBOW |
| 41 | ACCESS HATCH |

GENERAL NOTES:

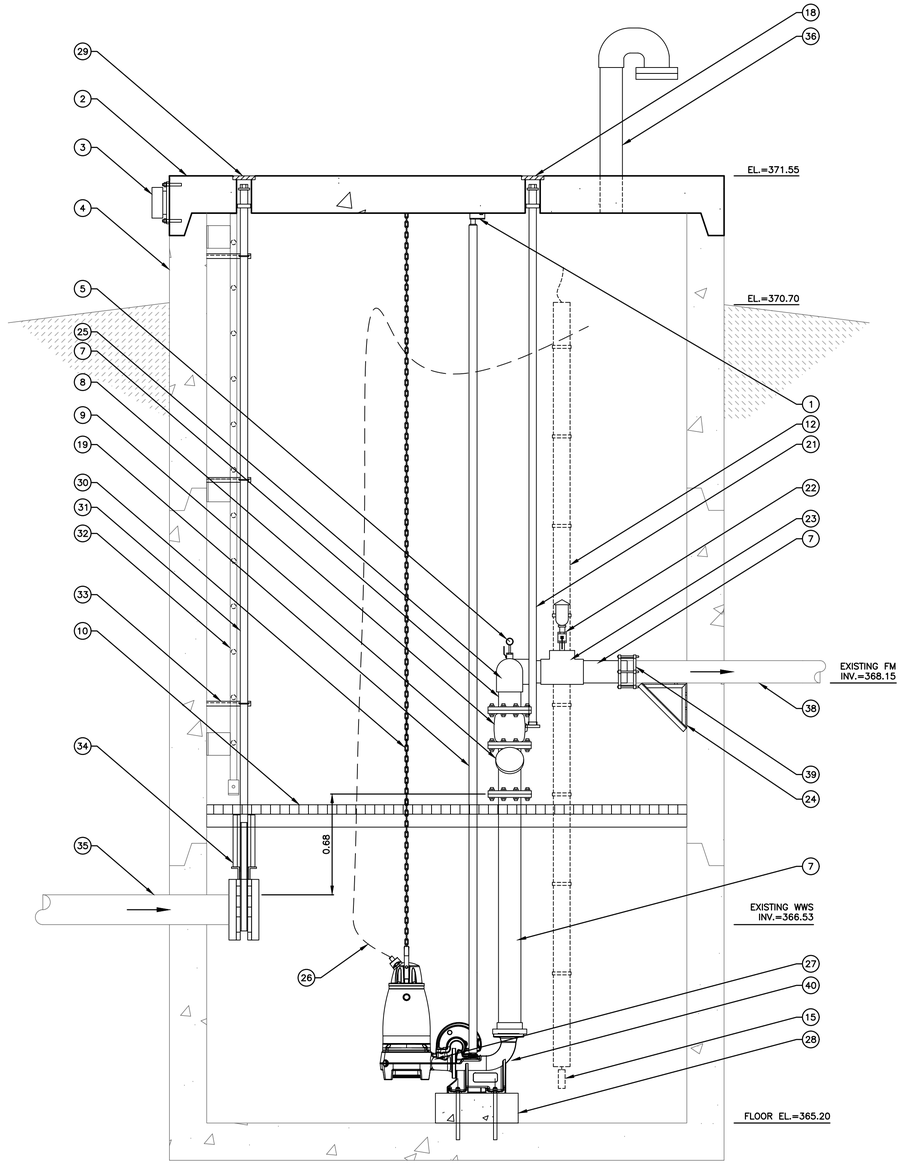
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- PROVIDE SUPPORT/RESTRAINT FOR ALL PIPING AS REQUIRED.
- PROVIDE GALVANIZED STEEL SUPPORT POST FOR CONTROL PANEL.
- SUPPORT POSTS FOR CONTROL PANEL TO EXTEND MINIMUM 1500mm BELOW GROUND AND BE BOLTED IN TWO LOCATIONS TO BARREL WITH STAINLESS STEEL BOLTS AND BRACKETS.
- ENSURE THE SWING OF THE LIFT STATION ACCESS HATCHES CLEAR THE CONTROL PANEL.
- ALL PIPING TO BE SCH 40 STAINLESS STEEL UNLESS OTHERWISE NOTED.
- LIFT STATION BARREL TO BE WATERTIGHT. INSPECT EXISTING CONCRETE BARREL AND PACK VOIDS WITH XPEX CONCENTRATE.
- CONTRACTOR SHALL PERFORM FIELD PRESSURE TEST ON PIPES AS PER SPECIFICATIONS.
- INSTALL PUMPS AS PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL PERFORM PUMP TESTS AS PER SPECIFICATIONS.
- REFER TO ELECTRICAL DRAWINGS FOR LIFT STATION EQUIPMENT CONTROLS AND OPERATIONAL REQUIREMENTS.




LEVEL SETTINGS

| | |
|---|---|
| HIGH LEVEL FLOAT | 366.90 |
| HIGH LEVEL ALARM | 366.80 |
| PUMP 2 START | 366.70 |
| PUMP 1 START | 366.60 |
| PUMP STOP | 366.00 |
| LOW LEVEL FLOAT | 365.90 |
| LOW LEVEL ALARM | 365.80 |
| FLOOR | 365.20 |

1/1 LIFT STATION SIDE SECTION A-A
SCALE = 1:20




2/1 LIFT STATION SIDE SECTION B-B
SCALE = 1:20

| No. | REVISIONS | DATE | INITIALS |
|---|---|---|---|
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B.M. EL.
SEE PLAN G11

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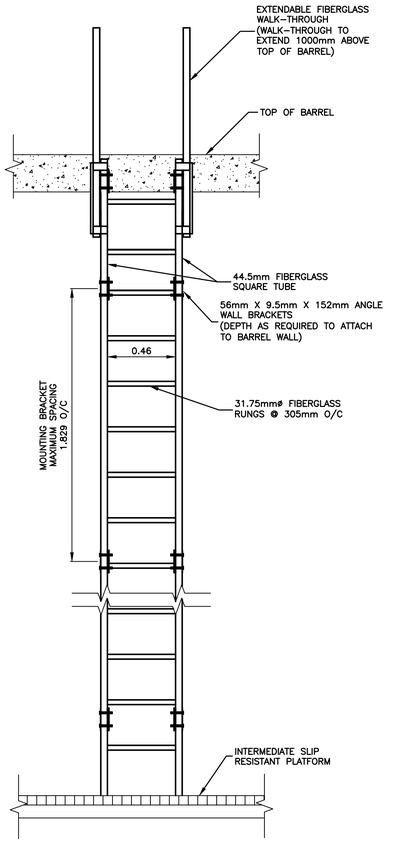
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PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

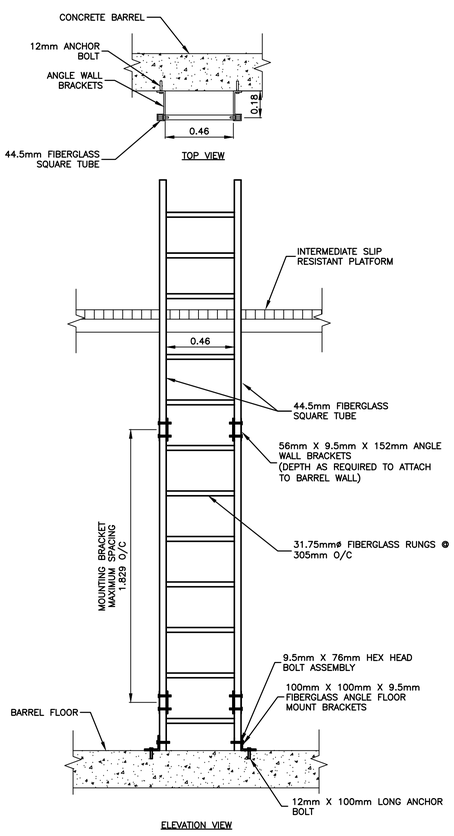
TITLE: LIFT STATION SECTION DETAILS

| SCALE: | DATE: | PLAN: | SHEET: |
|---|---|---|---|
| AS NOTED | 26/10/26 | LS1 | 16 of 18 |

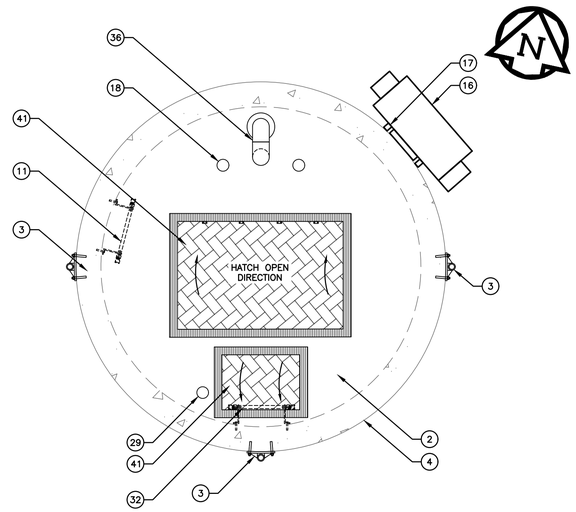
Oct 26, 2026 - 11:25am G:\300\536 City of Dryden\536.02 New Vienna Landfill\ Subdiv Design & Mario Milanese Subdiv Stage 3\04 Drawings\Dwg\Design Plans - Mario Milanese\Annotation Plans\LS1 LS3.dwg




1/2 UPPER ACCESS LADDER DETAIL
SCALE = 1:20



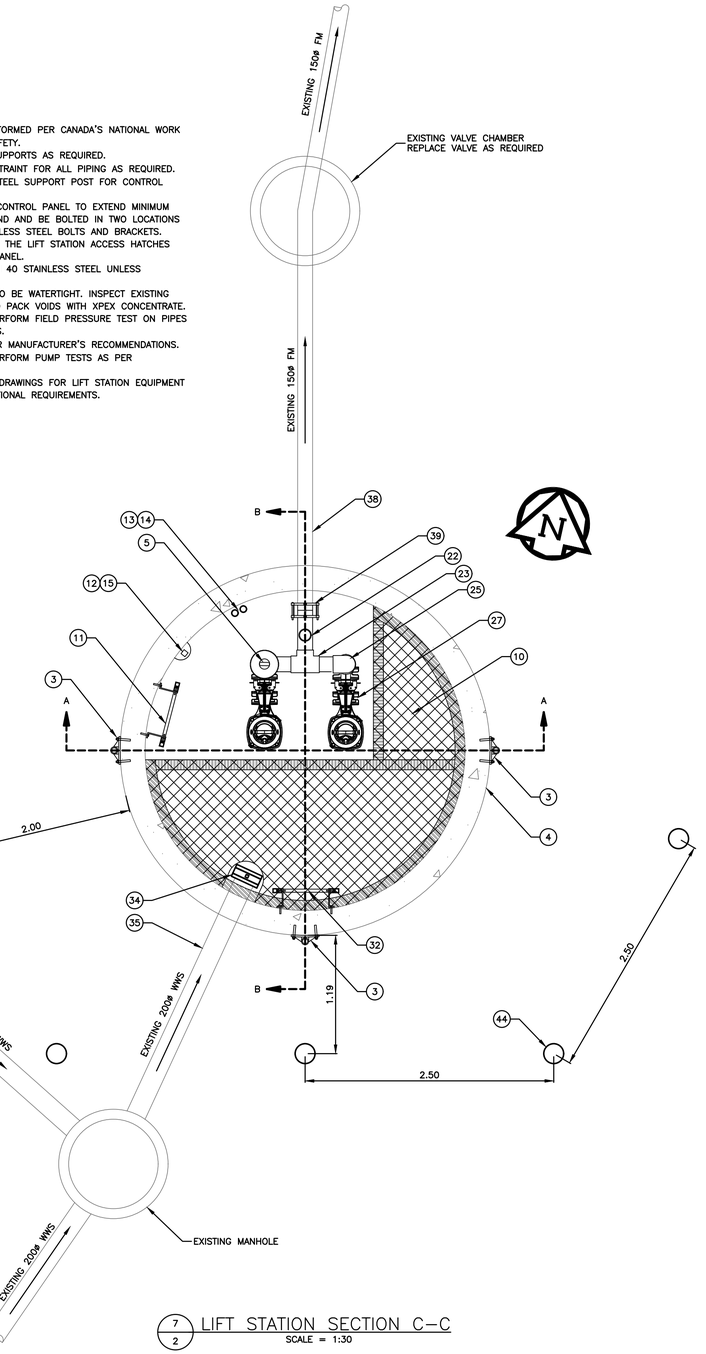

2/2 LOWER ACCESS LADDER DETAIL
SCALE = 1:20



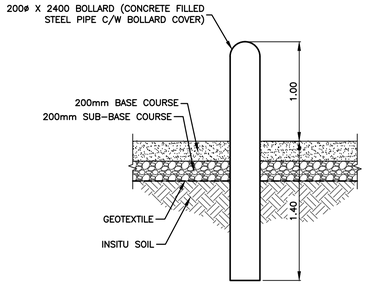

3/2 PROPOSED LIFT STATION TOP
SCALE = 1:30

GENERAL NOTES:

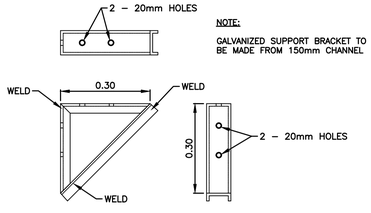
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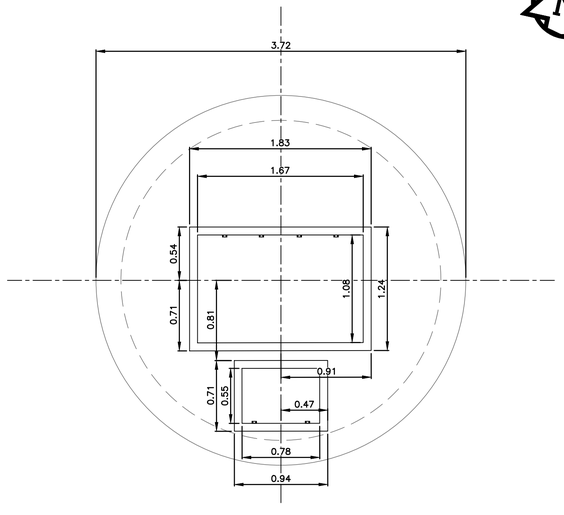

7/2 LIFT STATION SECTION C-C
SCALE = 1:30




4/2 TYPICAL BOLLARD DETAIL
SCALE = 1:30




5/2 TYPICAL SUPPORT BRACKET
SCALE = 1:10




6/2 ACCESS HATCH PLACEMENT
SCALE = 1:50

| No. | REVISIONS | DATE | INITIALS |
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SEE PLAN GI1

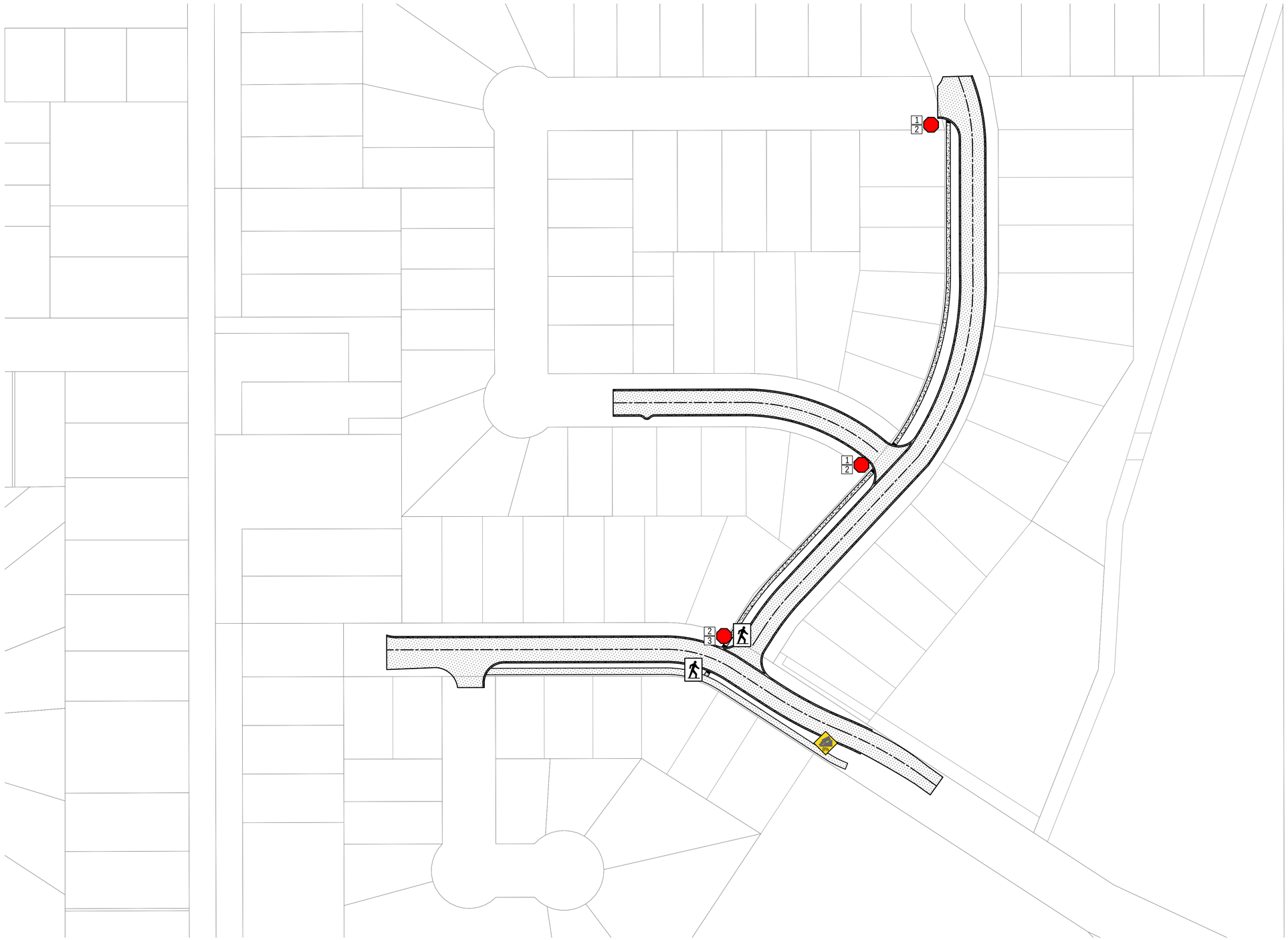
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| PROJECT: | CITY OF DRYDEN<br>MARIO MILANESE SUBDIVISION STAGE 3 |
| TITLE: | LIFT STATION DETAILS |
| SCALE: | AS NOTED |
| DATE: | 26/10/26 |
| PLAN: | LS2 |
| SHEET: | 17 of 18 |

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SIGNAGE LEGEND:

- 1 MARIO MILANESE PLACE
- 2 ELVIS AVENUE
- 3 SANDY BEACH ROAD
- STOP SIGN
- PEDESTRIAN CROSWALK
- STEEP SLOPE – 8%

NOTES:

- COMPLETE ALL WORKS IN ACCORDANCE WITH THE CITY OF THUNDER BAY ENGINEERING AND DEVELOPMENT STANDARDS AS WELL AS THE ONTARIO PROVINCIAL STANDARDS. THUNDER BAY STANDARDS TO TAKE PRECEDENCE.
- FIELD LOCATE ALL EXISTING SERVICE LINES, MAINLINES, AND UTILITIES PRIOR TO CONSTRUCTION.
- J.R. COUSIN CONSULTANTS LTD. RETAINS THE RIGHT TO ALTER THE DESIGN AT A LATER DATE AS ACTUAL CONDITIONS MAY DICTATE.
- SALVAGE AND REINSTALL EXISTING SIGNAGE AS DIRECTED BY ENGINEER.
- FINAL LOCATION OF SIGNS TO BE DETERMINED ON SITE.
- STREET PARKING AND PUBLIC TRANSIT SIGNAGE TO BE INSTALLED AS DIRECTED BY THE CITY OF DRYDEN.

SCALE BAR
(IN METRES)

15 0 7.5 15 30 45 60 75

1:750

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PROJECT: CITY OF DRYDEN
MARIO MILANESE SUBDIVISION STAGE 3

TITLE: SIGNAGE PLAN

| SCALE: | DATE: | PLAN: | SHEET: |
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| 1:750 | 26/10/26 | SG1 | 18 of 18 |

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