# City of Prince Albert
# Standard Detail Drawings

Construction of Traffic, Utility Services, Streetscape, Curbs, Right of Way, Sidewalks and Ramps, Miscellaneous

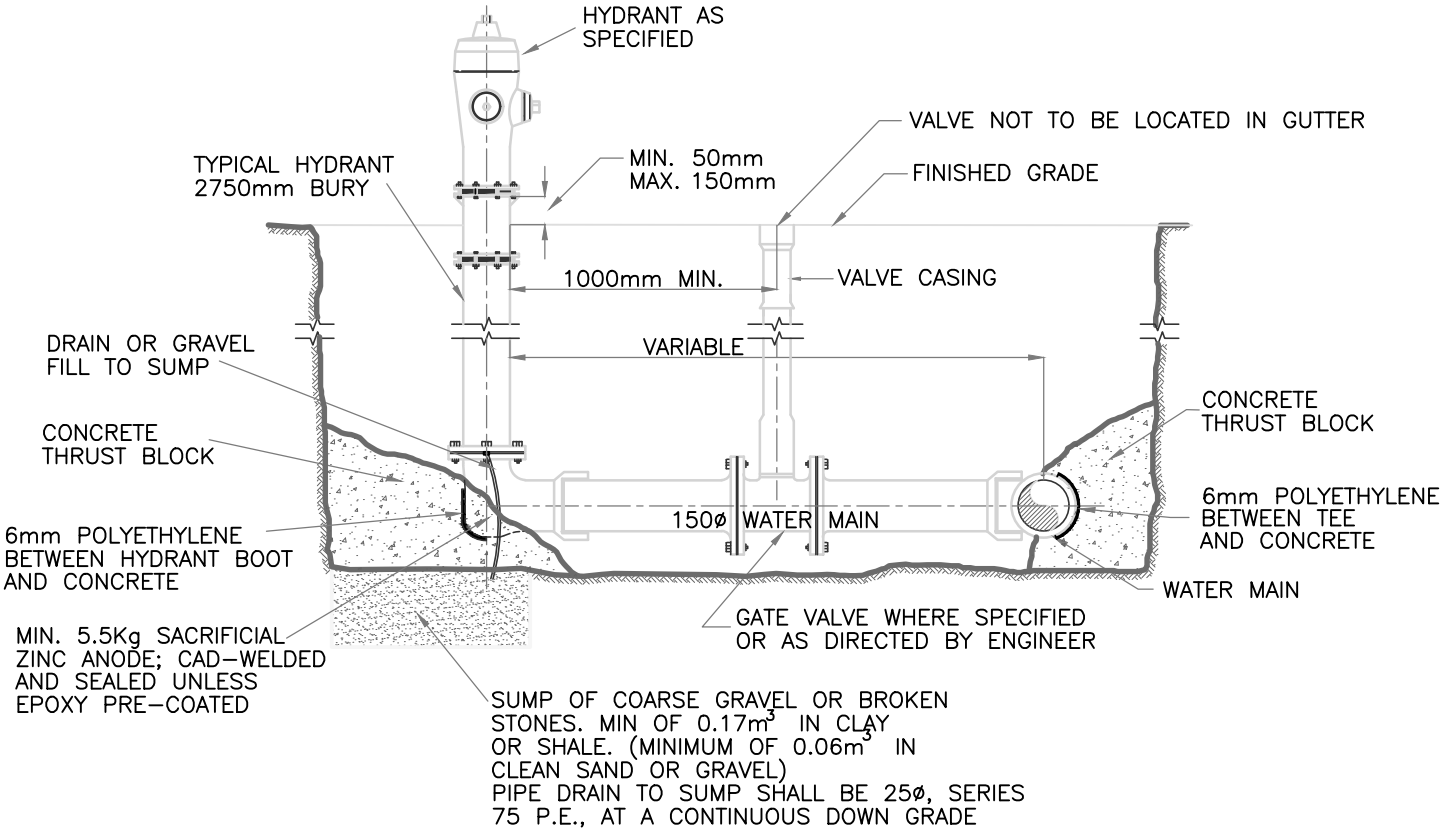
**Approved April 6, 2020**
**Updated January, 2025**

City of Prince Albert

# TABLE OF CONTENTS

| Category | File Number | New File # | Description |
|---|---|---|---|
| | 00-04-06 | | Rehabilitated Roadway Pavement Structures |
| | 00-04-06A | | New Construction Roadway Pavement Structures |
| | 00-04-07 | | Lane Pavement Structure |
| | 00-04-08 | | Granular Surfacing Structure |
| | 00-04-09 | | Typical Pathway Structures |
| | 00-04-10 | | Multi-use Trail Pathway Ramp Configurations |
| | 00-04-11 | | Typical Island Design |
| | 00-04-12 | | Typical Right In or Right Out Only Crossing Detail |
| | 00-04-13 | | Typical Right In Right Out Island Dedicated Auxilary Lane |
| | 00-04-14 | | Standard Rural Crossing Requirements |
| | 00-04-15 | | Shallow Buried Utility Repair Less Than 300mm Asphalt Cut |
| | 00-04-16 | | Shallow Buried Utility Repair 300-1000m Asphalt-Method 1 |
| | 00-04-17 | | Shallow Buried Utility Repair 300-1000m Asphalt-Method 2 |
| | 00-04-18 | | Shallow Buried Utility Repair Typical Gravel Lane & Street Cut |
| | 00-04-19 | | Shallow Buried Utility Repair Typical Concrete Cut |
| | 00-04-20 | | Utility Cut Request Form |
| | 00-04-21 | | Shallow Buried Utitlity Repair Typical Boulevard Park Cut |
| | | | |
| Walk & Ramp Details | 00-05-01 | | Ramp Detail - 1 |
| | 00-05-02 | | Ramp Detail - 2 |
| | | | |
| Miscellaneous | 00-06-01 | | Easement Grading |
| | 00-06-02 | | Lot Grading Types A,B,C & D |
| | 00-06-03 | | Lot Grading - Split Drainage Back to Front/Walk-Out Basment |

| SIZE OF SUMP | HYDRANT BASE SOIL TYPE | PAD SIZE OF PAD |
|---|---|---|
| $0.17m^3$ | SOFT CLAY | $2\ m^2$ |
| $0.06m^3$ | SAND | $1\ m^2$ |
| $0.06m^3$ | SAND AND GRAVEL | $0.7m^2$ |
| $0.06m^3$ | SAND AND GRAVEL CEMENTED WITH CLAY | $0.5m^2$ |
| $0.17m^3$ | SHALE | $0.2m^2$ |




## NOTES

1. HYDRANT LEAD FROM MAIN TO BE 150ø PVC AWWA C-900 CL 140 PIPE, CSA B137.3-M86
2. THRUST BLOCKS SHALL BE OF CONCRETE OBTAINING A COMPRESSIVE STRENGTH OF AT LEAST 32MPa @ 28 DAYS; CEMENT TO BE TYPE 50 (SULPHATE RESISTANT)
3. HYDRANTS SHALL BE MUELLER OR DARLING - CANADA VALVE THREE-WAY HYDRANT DRY BARREL. THE COLOUR OF THE HYDRANT ABOVE GROUND SHALL BE RED. NO ALTERNATES.

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## NEW HYDRANT CONNECTION

APPROVED

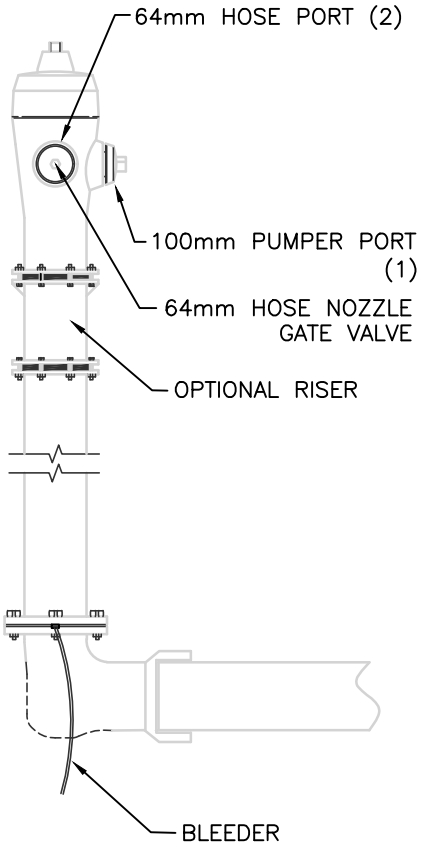
Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:00:27-06'00'

SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

DWG. No. 00-01-01




## NOTES

WATER MAY BE TAKEN FROM THE HYDRANTS ONLY WITH THE PERMISSION OF THE ENGINEER. HYDRANTS SHALL BE OPERATED CORRECTLY AND AS SELDOM AS POSSIBLE. THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE TO FIRE HYDRANTS USED BY HIM. DURING ANY NON–WORKING PERIODS OR ANY TIME WHEN THE CONTRACTOR'S MEN ARE NOT IN THE VICINITY OF THE HYDRANT, IT SHALL BE RESTORED TO ITS NORMAL CONDITION FOR FIRE FIGHTING. DURING WORKING PERIODS, THE HYDRANT SHALL BE LEFT IN "FULL OPEN" POSITION. WATER FLOW SHALL BE CONTROLLED WITH THE 64mm GATE VALVE. THE CITY HAS TWO TYPES OF HYDRANTS IN OPERATION.

## CONNECTIONS

THE WATERWORKS DEPARTMENT WILL SUPPLY A 64mm GATE VALVE AND A SUFFICIENT LENGTH OF 64mm FIRE HOSE. THE CONTRACTOR SHALL PLACE A DEPOSIT WITH THE WATERWORKS DEPARTMENT ON RECEIPT OF THIS GATE VALVE AND FIRE HOSE. SUCH DEPOSIT WILL BE RETURNED TO THE CONTRACTOR WHEN SAID VALVE AND FIRE HOSE ARE RETURNED IN GOOD CONDITION.

## OPERATION

1. NOTIFY ENGINEER'S DEPARTMENT 24 HOURS PRIOR TO OPERATING ANY HYDRANT.
2. NOTIFY FIRE DEPARTMENT TO ADVISE THAT HYDRANT IS TEMPORARILY NOT AVAILABLE FOR THEIR USE.

## PROCEDURE FOR COMPRESSION TYPE (MUELLER, McAVITY, DARLING – CANADA VALVE)

TURN TO LEFT (COUNTER CLOCKWISE) UNTIL WATER IS HEARD RISING IN THE HYDRANT. WAIT UNTIL HYDRANT IS FULL AND THEN OPEN NO MORE THAN THREE TURNS FURTHER.

## PROCEDURE FOR GATE TYPE (JOHN EAST, KERR)

TO OPEN HYDRANT, TURN AT LEAST 15 COMPLETE TURNS TO THE LEFT, USING PROPER HYDRANT KEY. MAKE SURE HYDRANT IS FULLY OPEN, WHEN PARTIALLY OPEN, HYDRANT BLEEDS UNDER PRESSURE CAUSING A WASHOUT AT ITS BASE.

CONTROL AMOUNT OF WATER BY SMALL OPERATING VALVE.

TO CLOSE HYDRANT THE LAST TURN SHOULD BE COMPLETED WITH A FAIRLY SHARP PULL TO CLOSE "BLEEDER". DO NOT USE EXCESSIVE FORCE AS THIS BENDS THE HYDRANT STEM.

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

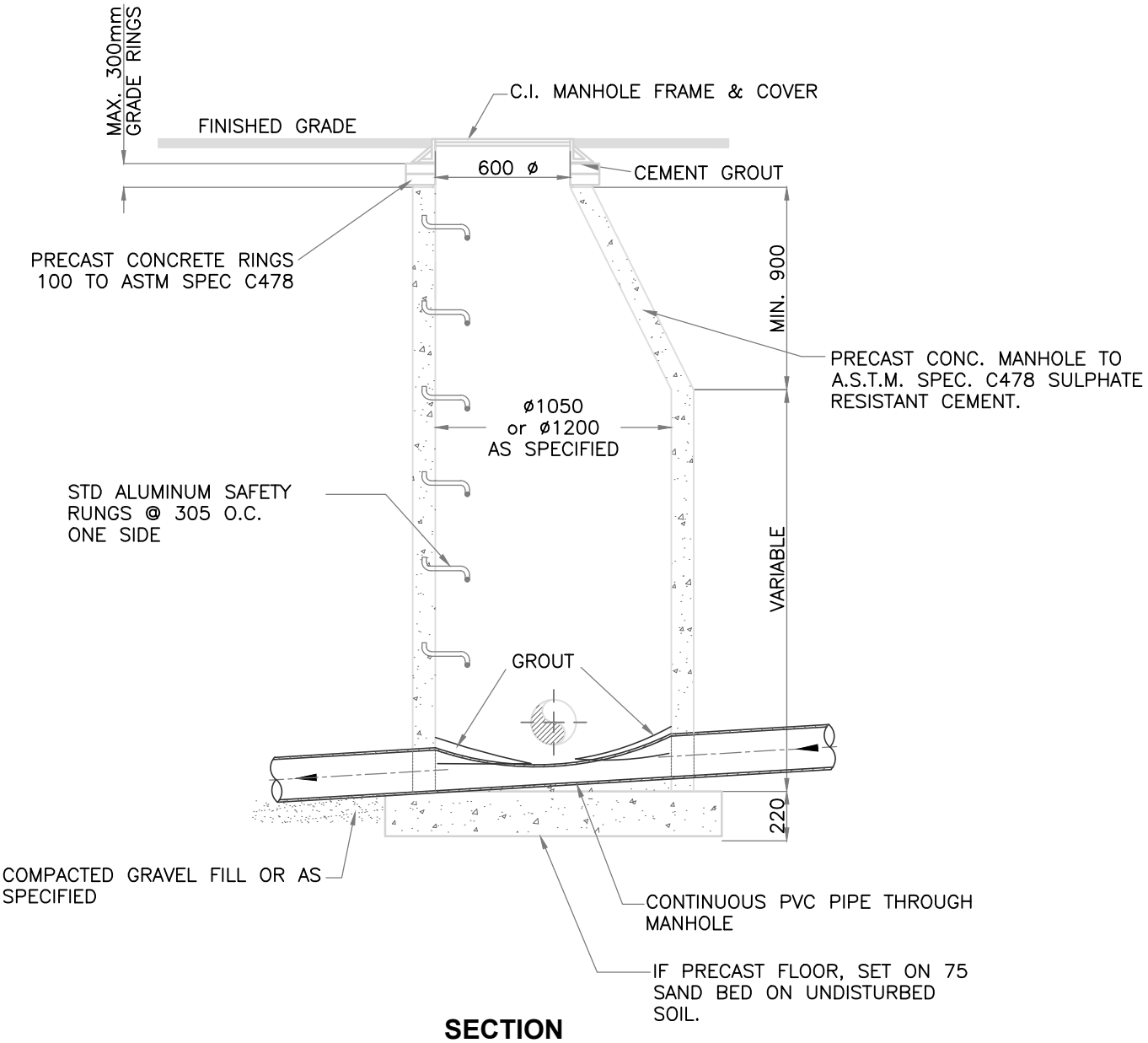
## EXISTING HYDRANT CONNECTION

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:00:40-06'00'

SCALE N.T.S.

DWG. No. 00–01–02



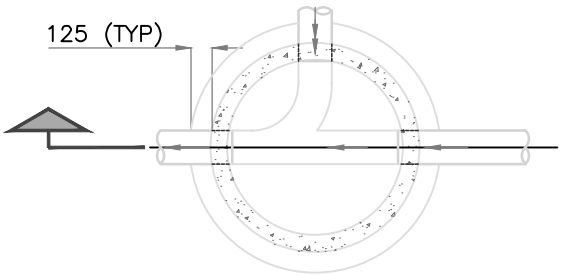

**SECTION**

## SPECIFICATIONS

1. MANUFACTURED IN ACCORDANCE WITH ASTM SPECIFICATIONS C-478 AND ALL CURRENT REVISIONS
2. MINIMUM BARREL DIAMETER SHALL BE 1050mm FOR SANITARY SEWER & 1200mm FOR STORM SEWER
3. MINIMUM CONCRETE STRENGTH SHALL BE 32 MPa IN 28 DAYS
4. MINIMUM STEEL REQUIREMENTS SHALL BE 150x150xW2.9/W2.9 WWM
5. REINFORCING STEEL FOR BASE SHALL BE 10m REINFORCING RODS PLACED 150mm OFF-CENTER EACH WAY
6. ALL CONCRETE SHALL BE PLACED MONOLITHICALLY

## NOTES

1. ALL REINFORCING BARS TO HAVE 50mm MINIMUM COVER
2. GRANULAR BACKFILL TO BE PLACE TO A MINIMUM THICKNESS OF 300mm ON ALL SIDES
3. MAXIMUM SEWER SIZE 600ø
4. ALL BARRELS AND GRADE RINGS TO BE SEALED WITH ONE OF THE FOLLOWING: BITUMINOUS CAULKING, CEMENT MORTAR OR FIBRE GUM.




| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

## STANDARD MANHOLE
## PIPE SIZE < Ø600mm

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

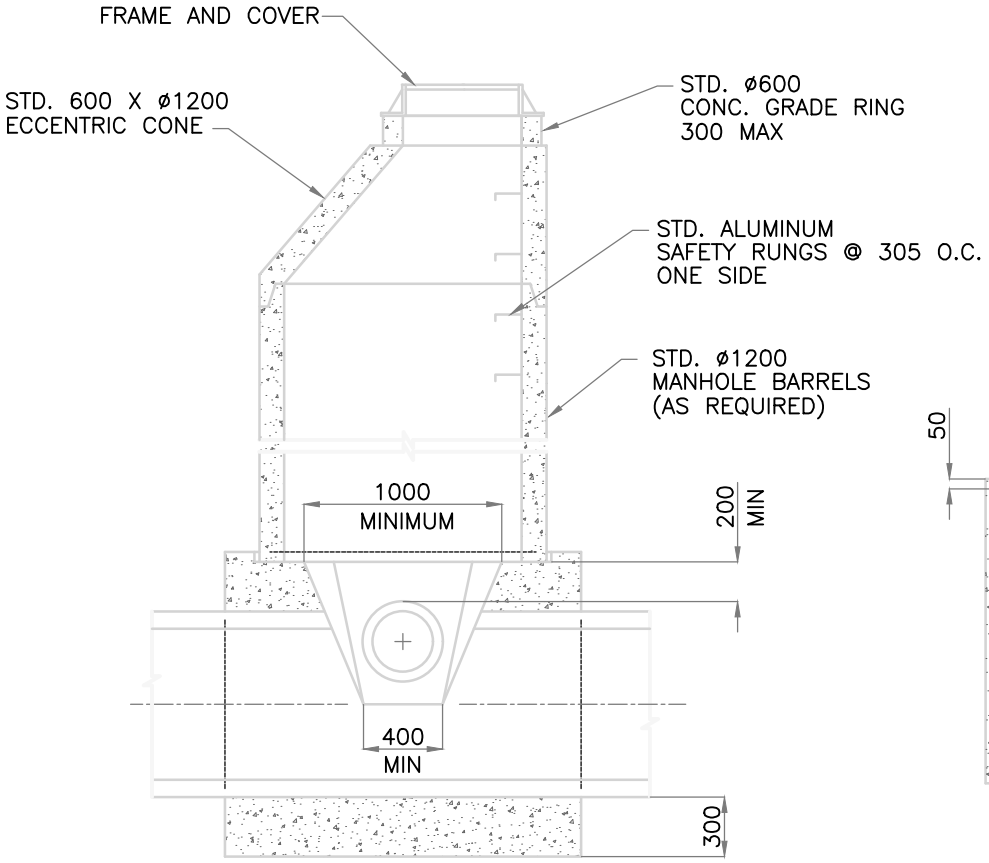
APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, [illegible], O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:00:50-06'00'

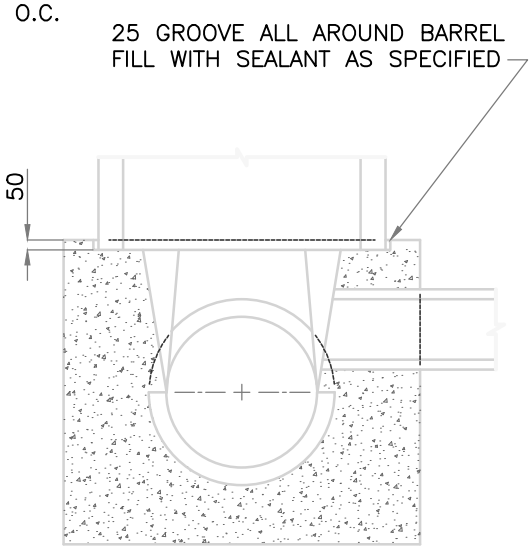
SCALE N.T.S.

DWG. No. 00-01-03

| A | B (Max.) | C (Max.) |
|---|---|---|
| 600 | 600 | 600 |
| 750 | 750 | 525 |
| 900 | 900 | 600 |

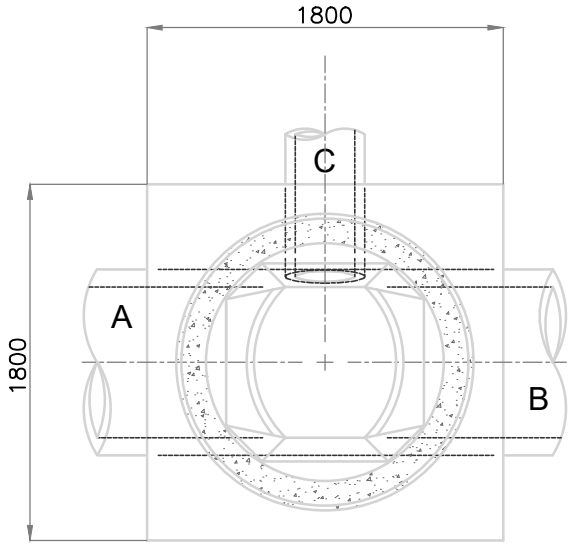
NOTE: IF C > C (MAX.) IN TABLE THEN SPECIAL DESIGN IS REQUIRED.




## NOTES

1. ALL POURED IN PLACE CONCRETE TO BE 32MPa SULPHATE RESISTANT
2. EXTERIOR DROP REQUIRED FOR SANITARY SEWERS WHEN INVERT OF INLET PIPE IS 750mm OR MORE ABOVE INVERT OF OUTLET PIPE
3. ALL PRECAST CONCRETE SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH A.S.T.M. SPECIFICATION C-478
4. ALL WALLS SHALL BE FORMED INSIDE AND OUTSIDE, AND POURED IN PLACE
5. SAFETY PLATFORM REQUIRED FOR MANHOLE DEPTHS GREATER THAN 6.0m. MAXIMUM SPACING OF PLATFORMS SHALL BE 6.0m




# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## STANDARD MANHOLE
## PIPE SIZE Ø600mm TO Ø900mm

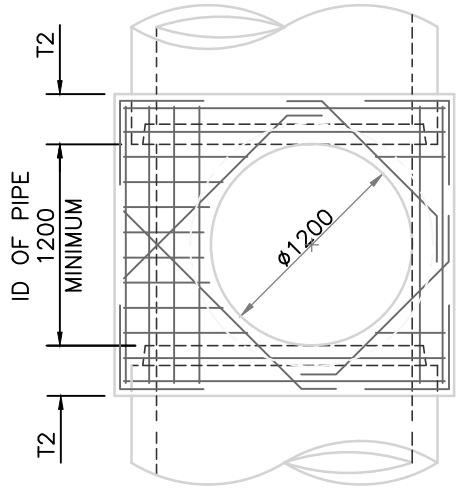
APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:02:39-06'00'

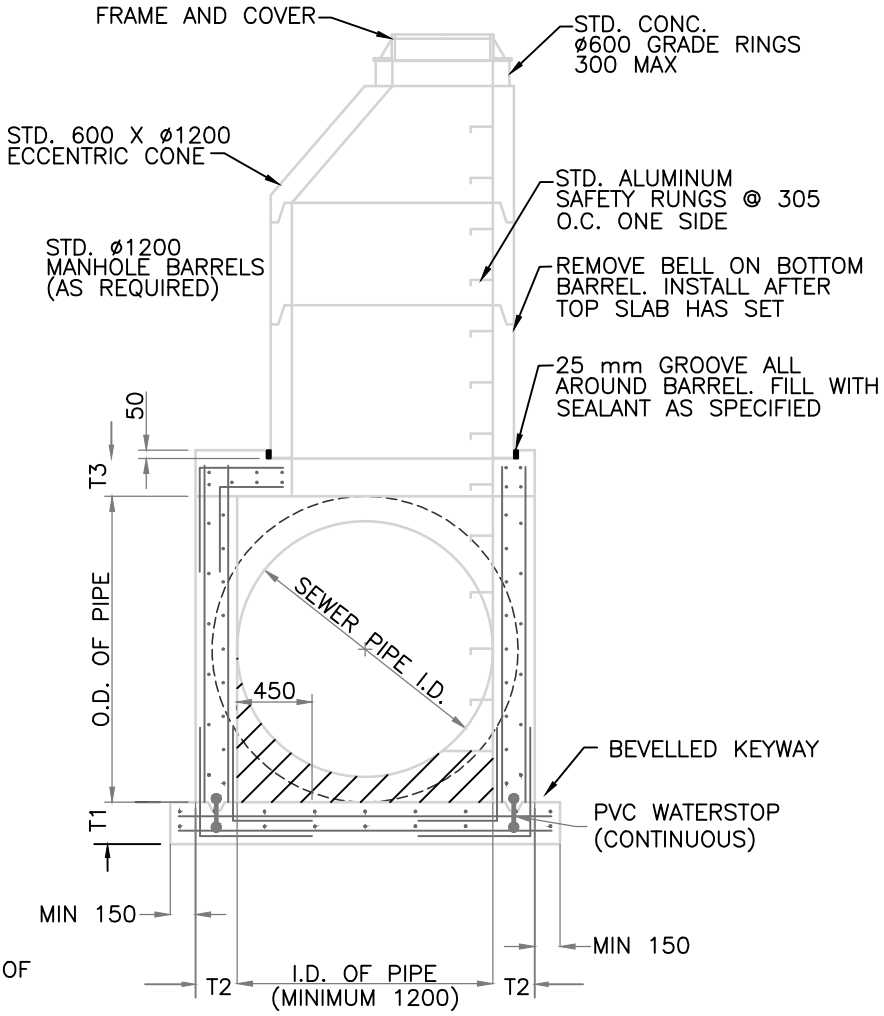
SCALE N.T.S.

DWG. No. 00-01-04

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014




## NOTES

1. ALL BARS 50mm CLEAR EXCEPT BOTTOM FACE OF BASE SLAB 75mm CLEAR
2. BOTTOM FACE BARS OF SLABS TO BE LAPPED INTO WALLS 450 MIN OR INSTALL DOWELS OF EQUIVALENT LENGTH AND SIZE
3. SULPHATE RESISTANT CONCRETE STRENGTH TO BE 32MPa IN 28 DAYS
4. ALL PRECAST CONCRETE SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM SPEC C478
5. THE CONTRACTOR SHALL SUPPLY AND PLACE ALL REINFORCING STEEL, CONCRETE, ø1200 MANHOLE SECTIONS,
6. RUNGS, FRAME AND COVER, SPECIFIED BY DESIGN ENGINEER
   THE INSIDE HEIGHT OF THE CAST IN PLACE WALL SHALL BE SUCH THAT ALL SEWERS ø600 AND LARGER ARE INCLUDED
7. WITHIN THE CAST IN PLACE STRUCTURE
   DIMENSIONS T1, T2, AND T3 SHALL BE DETERMINED BY THE LARGEST SEWER ENTERING THE MANHOLE
8. APPLY TWO COATS OF EMULSIFIED ASPHALT WATERPROOFING TO ALL EXTERIOR SURFACES OF THE CAST IN PLACE CONCRETE
9. SAFETY PLATFORM REQUIRED FOR MANHOLE DEPTHS GREATER THAN 6.0m. MAXIMUM SPACING OF PLATFORMS SHALL BE 6.0m
10. CAST IN PLACE MANHOLE STRUCTURE TO BE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER. DRAWINGS TO BE SIGNED AND SEALED.

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

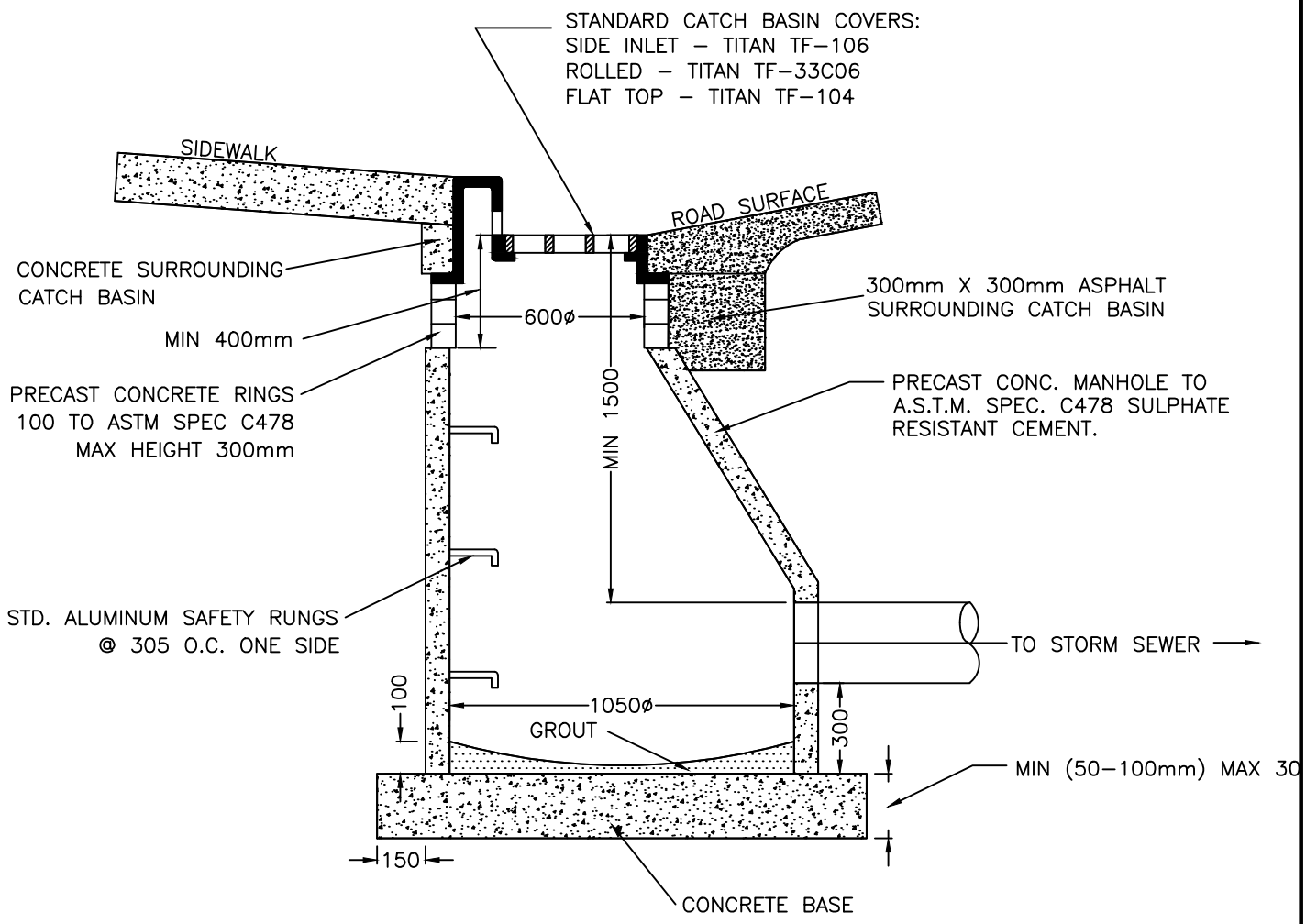
## STANDARD MANHOLE
## PIPE SIZE > Ø900mm

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:02:46-06'00'

SCALE N.T.S.

DWG. No. 00–01–05




TYPICAL SECTION

## SPECIFICATIONS

1. MANUFACTURED IN ACCORDANCE WITH ASTM SPECIFICATIONS C–478 AND ALL CURRENT REVISIONS
2. MINIMUM CONCRETE STRENGTH SHALL BE 32 MPa IN 28 DAYS
3. MINIMUM STEEL REQUIREMENTS SHALL BE 150x150xW2.9/W2.9 WWM
4. REINFORCING STEEL FOR BASE SHALL BE 10m REINFORCING RODS PLACED 150mm OFF–CENTER EACH WAY
5. ALL CONCRETE SHALL BE PLACED MONOLITHICALLY

## NOTES

1. ALL REINFORCING BARS TO HAVE 50mm MINIMUM COVER
2. GRANULAR BACKFILL TO BE PLACE TO A MINIMUM THICKNESS OF 300mm ON ALL SIDES
3. MAXIMUM SEWER SIZE 600ø
4. ALL BARRELS AND GRADE RINGS TO BE SEALED WITH ONE OF THE FOLLOWING: BITUMINOUS CAULKING, CEMENT MORTAR OR FIBRE GUM.
5. NO RUBBER RISER ON MANHOLES THAT ARE >50mm FROM TOP OF CONCRETE CONE/BARREL TO BOTTOM OF RIM

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | 01/2025 | COMMENTS, CONE TO CB DEPTH |
| 1 | 07/2021 | REVISED LEAD DEPTH |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

APPROVED Wes Hicks

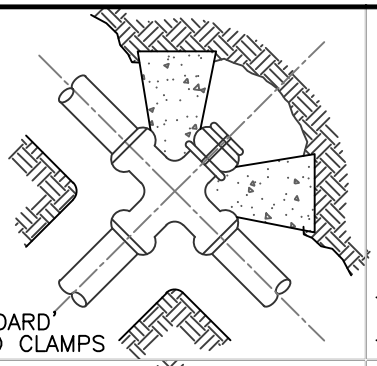
## CATCH BASIN

SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

DWG. No. 00–01–06

1 CROSS



USE 'STANDARD' PLUGS AND CLAMPS

2 CROSS

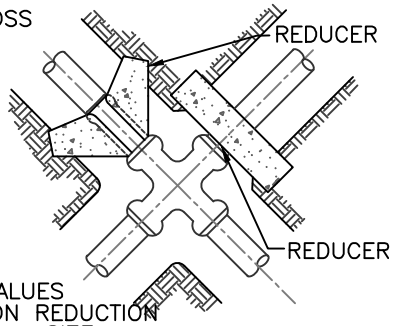
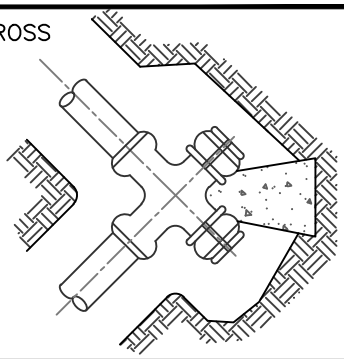
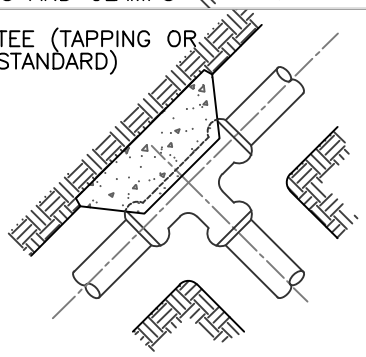



TABLE VALUES BASED ON REDUCTION TO 150mm SIZE

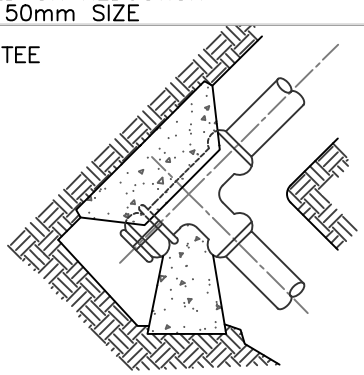
3 CROSS



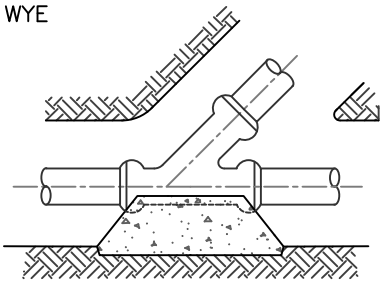
4 TEE (TAPPING OR STANDARD)



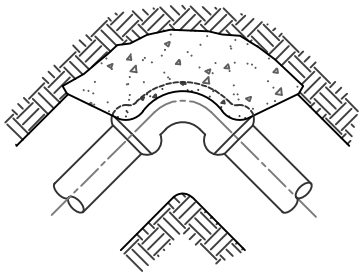
5 TEE



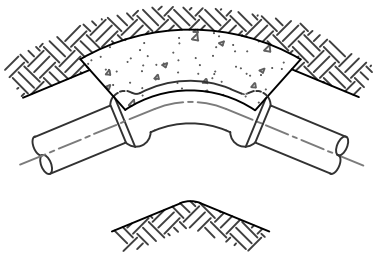
6 WYE



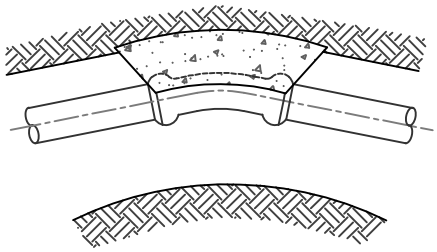
7 90° BEND



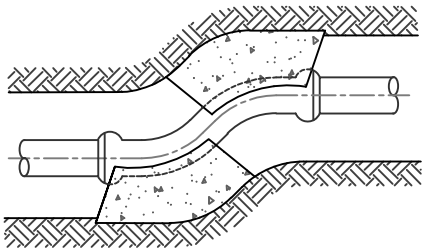
8 45° BEND



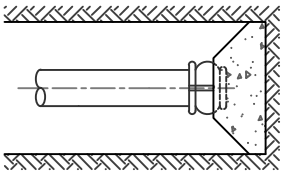
9 11° 1/4 & 22° 1/2 BENDS



10 OFFSET BEND

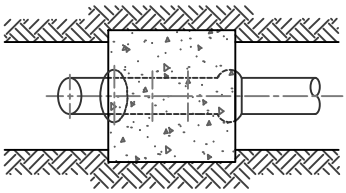


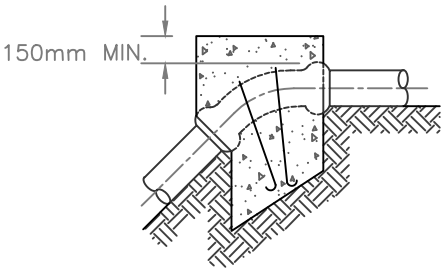
11 DEAD END



USE 'STANDARD' PLUG

12 VERTICAL BEND






## NOTES

1. HYDRAULIC PRESSURE 1.38MPa SOIL BEARING 100kPa MEDIUM SOFT CLAY
2. CONCRETE SHALL BE SULPHATE RESISTANT
3. TEMPORARY BLOCKING MUST BE APPROVED BY THE ENGINEER
4. 2 PLY OF 0.15mm POLYETHYLENE SHALL BE PLACED BETWEEN PIPE AND CONCRETE
5. CONCRETE SHALL BE 32MPa AT 28 DAY STRENGTH. MAXIMUM SLUMP = 75mm
6. IN DISTURBED GROUND (COMPACTED BACKFILL) INCREASE BEARING AREA BY 50%

BEARING AREA OF BLOCKS

| TYPE OF FITTING | CONCRETE AREAS IN SQ. METERS | | | | | | |
|---|---|---|---|---|---|---|---|
| | PIPE SIZE | 100 | 150 | 200 | 250 | 300 | 400 |
| | 1.4.11 | 0.2 | 0.4 | 0.7 | 1.0 | 1.4 | 1.9 |
| | 3.5.7 | 0.3 | 0.5 | 0.9 | 1.4 | 2.0 | 2.7 |
| | 2 | | | | 0.5 | 0.7 | 1.6 |
| | 6.8.12 | 0.2 | 0.3 | 0.5 | 0.6 | 1.1 | 1.4 |
| | 9 | 0.1 | 0.2 | 0.3 | 0.4 | 0.6 | 0.7 |
| | 10 | 0.3 | 0.6 | 1.0 | 1.2 | 2.2 | 2.9 |

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

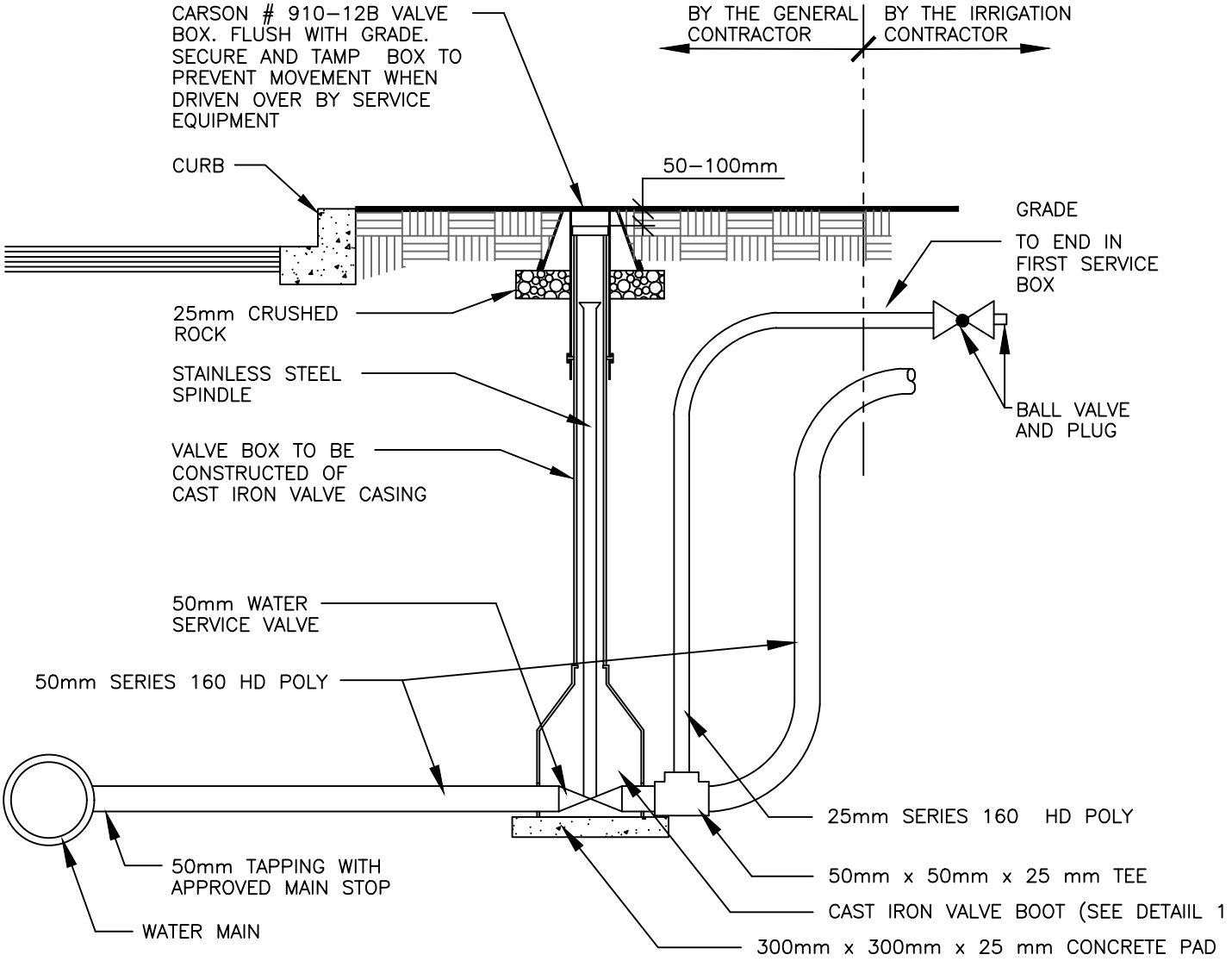
## THRUST BLOCKING DETAILS

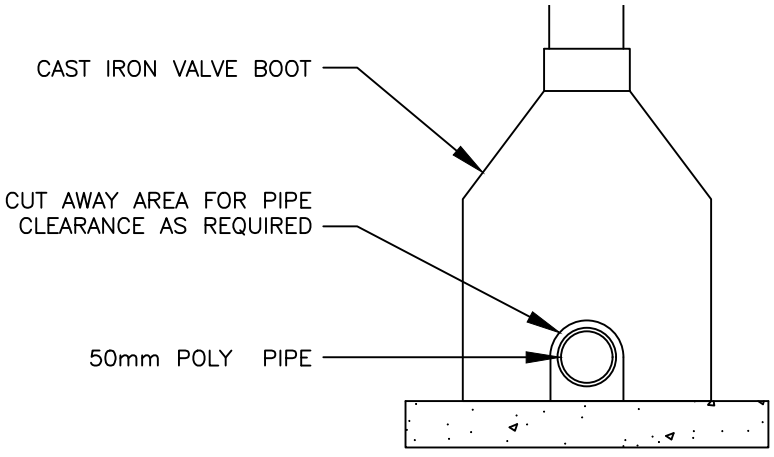
APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:03:08-06'00'

SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

DWG. No. 00–01–08




DETAIL 1

## NOTES

1. ALL PIPE LENGTHS DETERMINED IN FIELD
2. ALL BRASS FITTINGS TO BE CONNECTED TO 2.2Kg ZINC ANODES
3. ALL PIPE RESTRAINERS TO BE CONNECTED TO 2.2Kg ZINC ANODES

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## TYPICAL IRRIGATION CONNECTION 50mm SERVICE

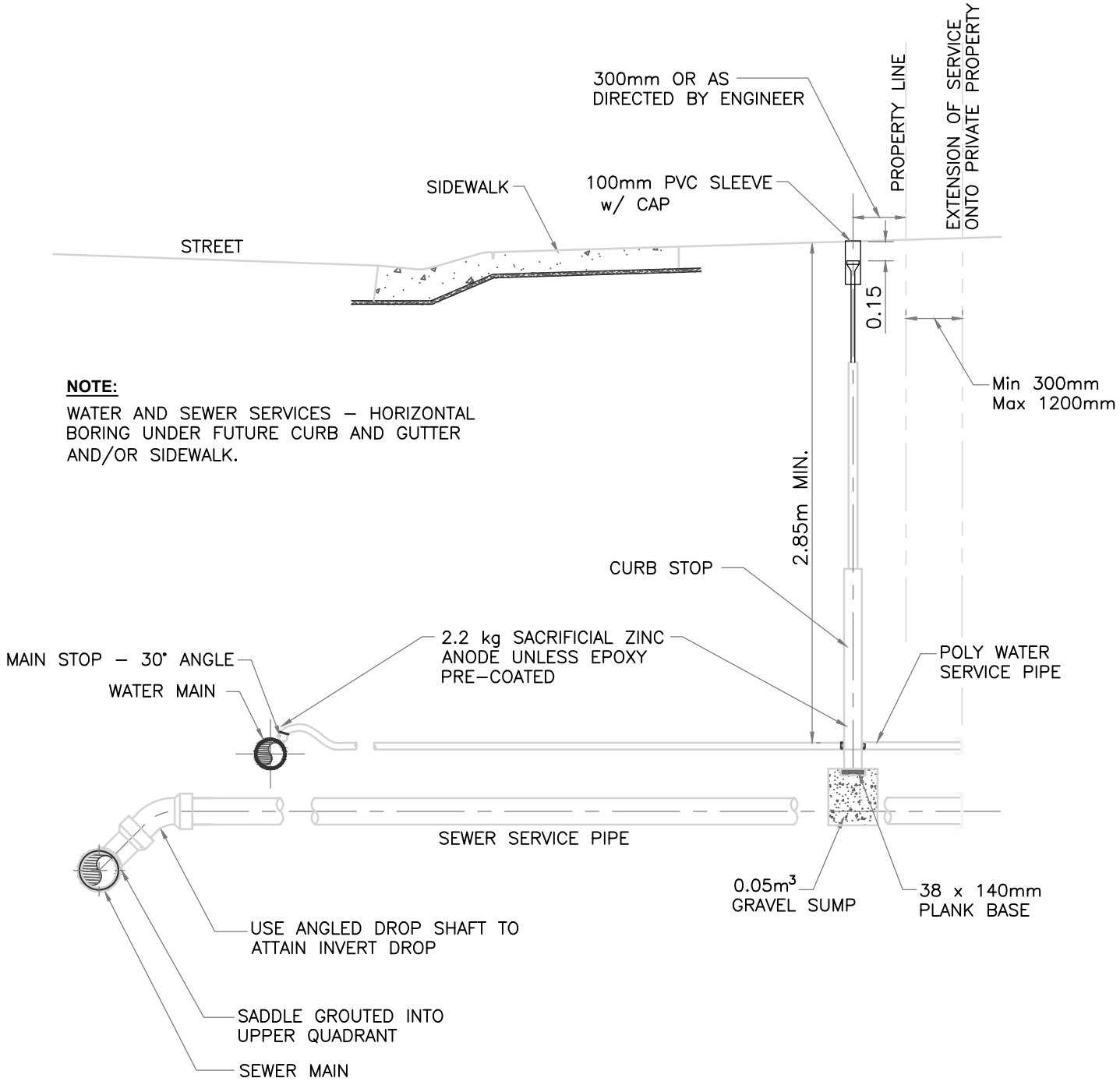
APPROVED

Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:03:17-06'00'

SCALE N.T.S

| DRAWN | DESIGNED | DATE | DWG. No. |
|---|---|---|---|
| S. NUMEDAHL | N. MILLER | OCT. 2014 | 00–01–09 |




**NOTE:**

WATER AND SEWER SERVICES – HORIZONTAL BORING UNDER FUTURE CURB AND GUTTER AND/OR SIDEWALK.

## NOTES:

1. MINIMUM GRADE FOR 100mm SEWER PIPE IS 2.00%.
   MINIMUM GRADE FOR 150mm SEWER PIPE IS 1.00%.
2. ON PRE-SERVICED CONNECTIONS, END OF SEWER TO HAVE END PLUG INSTALLED AND WATER LINES SEALED WITH P.V.C. TAPE.
3. WHEN FACING BUIILDING – SERVICES:

| LEFT | CENTRE | RIGHT |
|---|---|---|
| STORM | SANITARY | WATER |

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## TYPICAL SEWER AND WATER CONNECTION

APPROVED

Jeffrey Da Silva

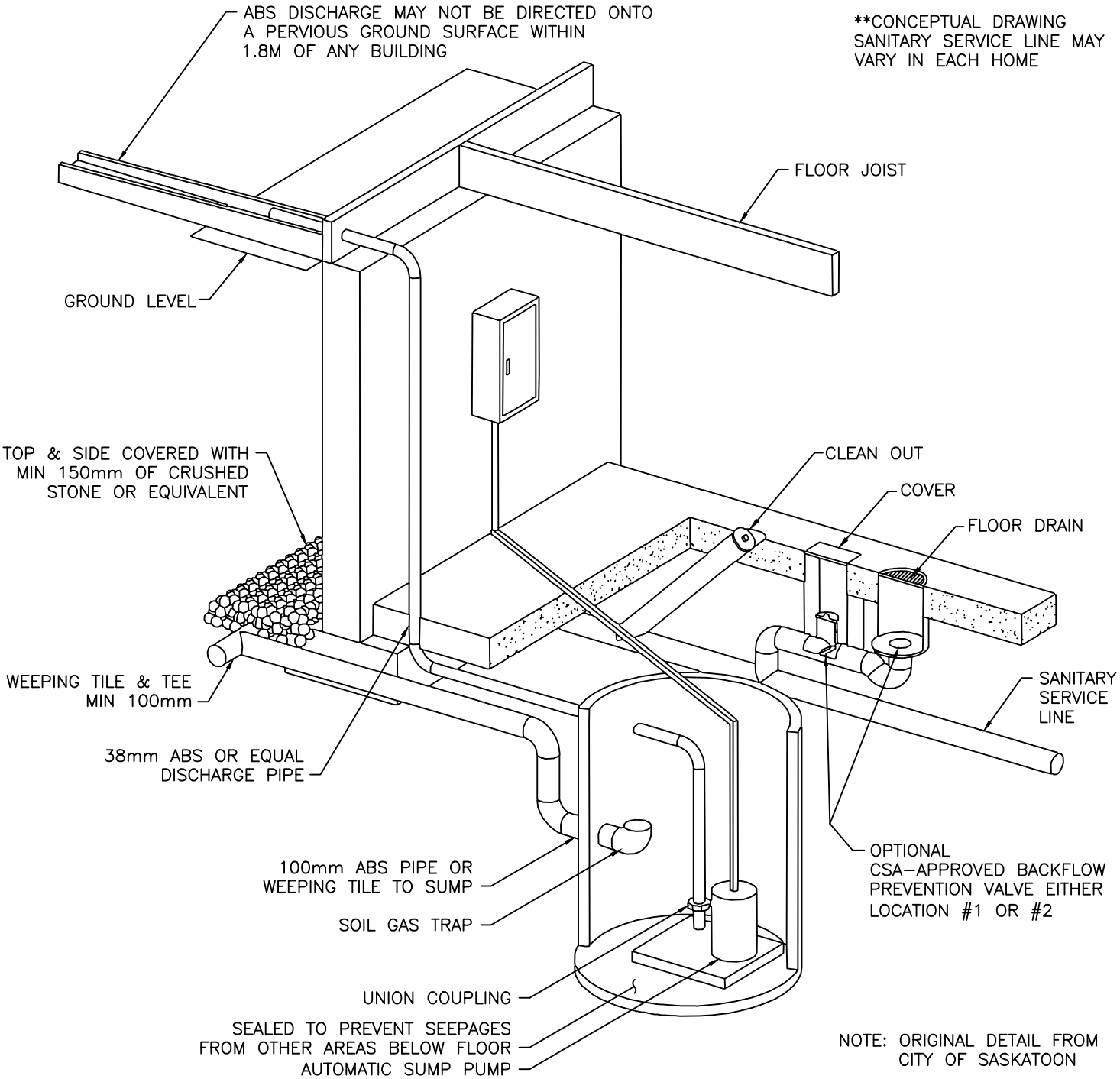
Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:03:26-06'00'

SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

DWG. No. 00–01–10

# PERMANENT CHANGES TO PLUMBING REQUIRES A PLUMBING PERMIT




– ENSURE THAT THE SUMP IS A MINIMUM 1m FROM THE FOOTINGS.
– PROVISIONS REQUIRED TO PREVENT SOIL GAS FROM ENTERING THE DWELLING FROM THE SUMP AND WEEPING TILE.

CODE REFERENCE ON SUMP:
NATIONAL BUILDING CODE SECTION 9.14.2
FOUNDATION DRAINAGE
9.14.5.2 SUMP PITS

SUMP PIT MAY BE CONSTRUCTED OF:
A) CONCRETE
B) CORROSION RESISTANT STEEL
C) PLASTIC

WHERE A SUMP PIT IS PROVIDED IT SHALL BE:
A) NOT LESS THAN 600mm DEEP
B) NOT LESS THAN 0.25sq.m IN AREA, AND
C) PROVIDED WITH A COVER

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | JAN 2017 | REVISED TO ADD TYPICAL SUMP |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

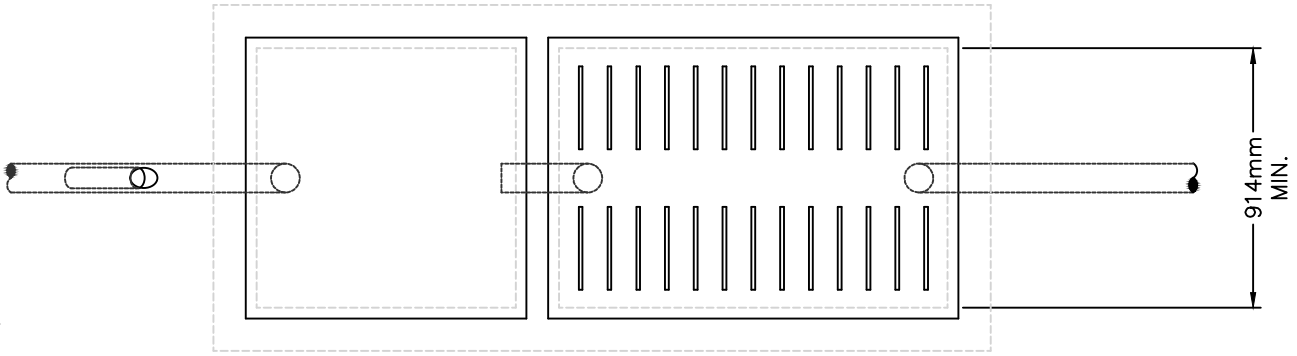
## TYPICAL WEEPING TILE CONNECTION

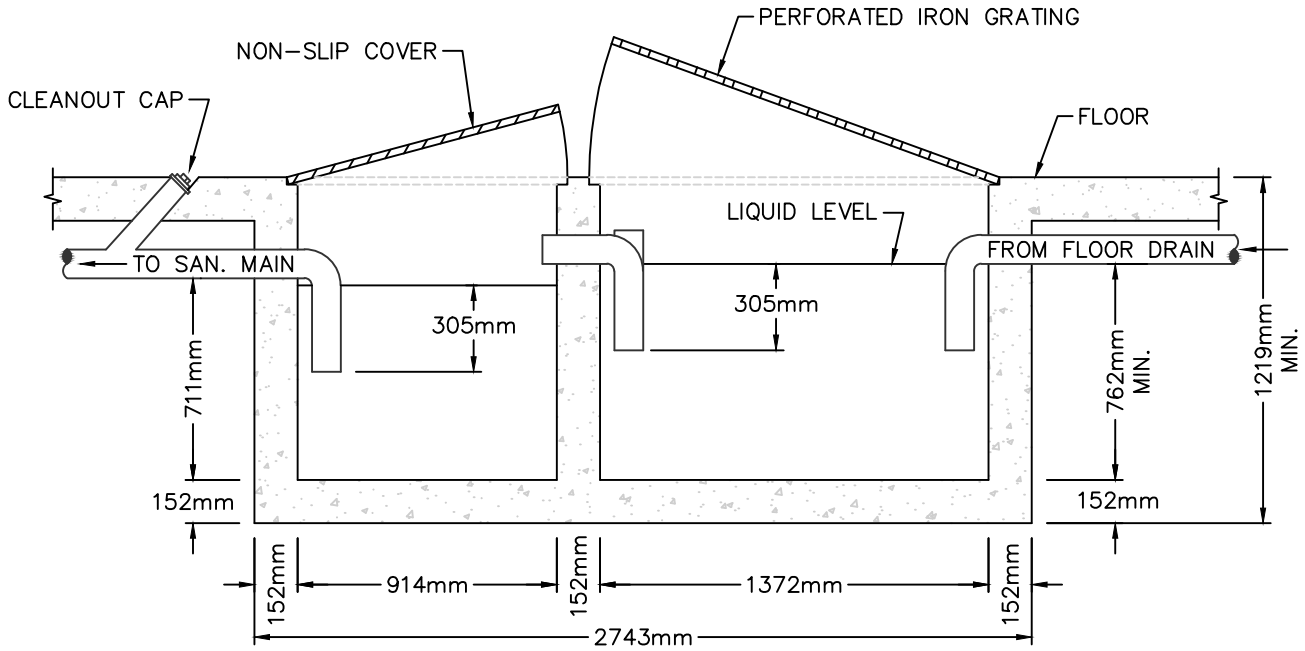
DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:03:36-06'00'

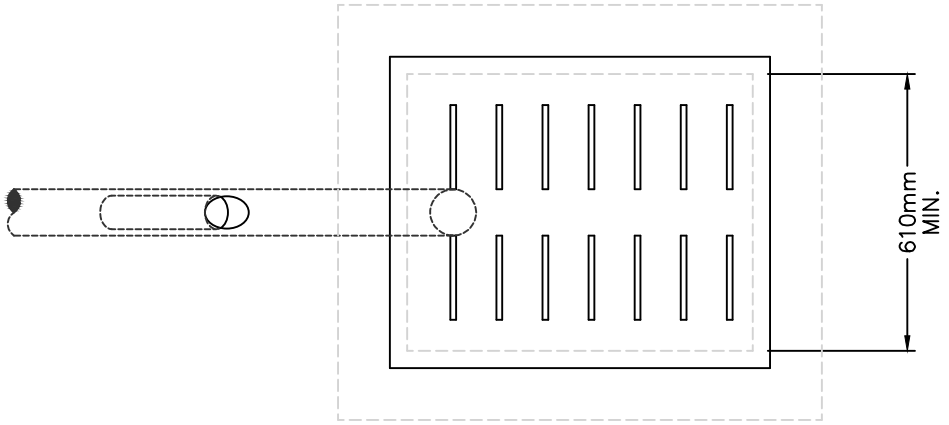
SCALE N.T.S.

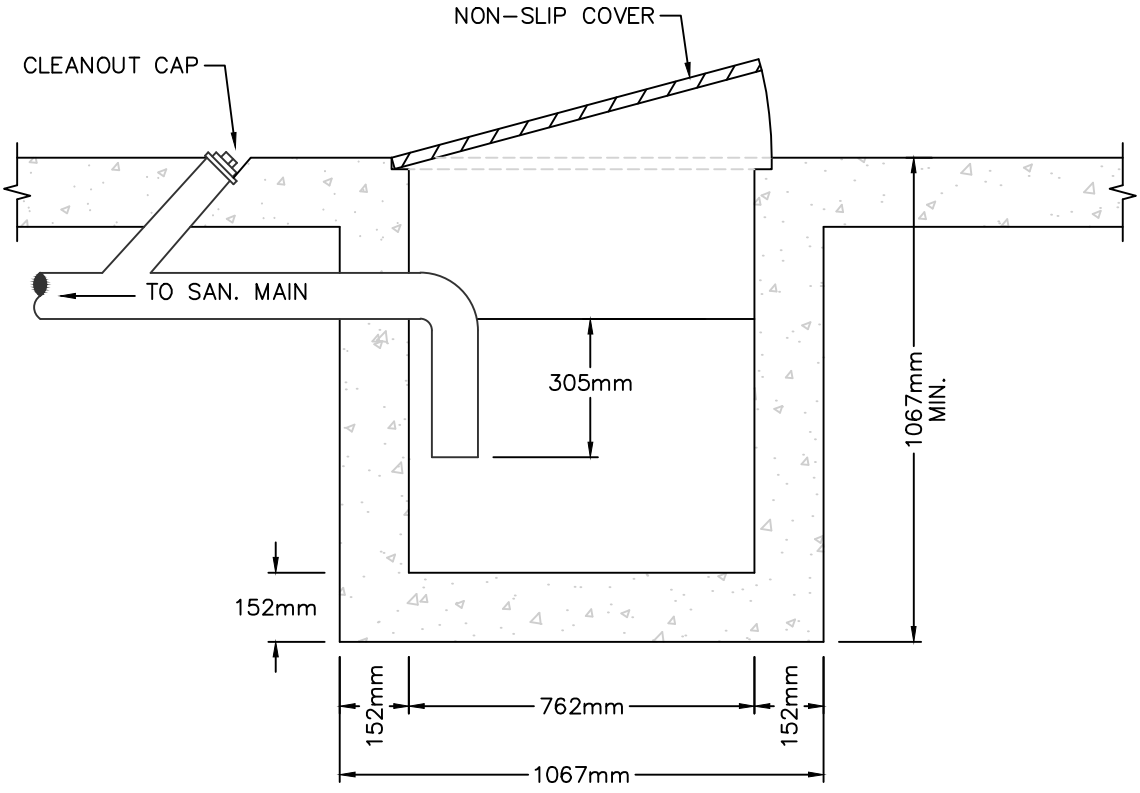
DWG. No. 00–01–11




| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Wes Hicks |
| | | | GARAGE INTERCEPTOR | |
| 1 | 4/3/2020 | UPDATED GRATING DETAILS | | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00-01-12 |




# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## INTERIOR CATCH BASIN & TRAP

APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:03:46-06'00'

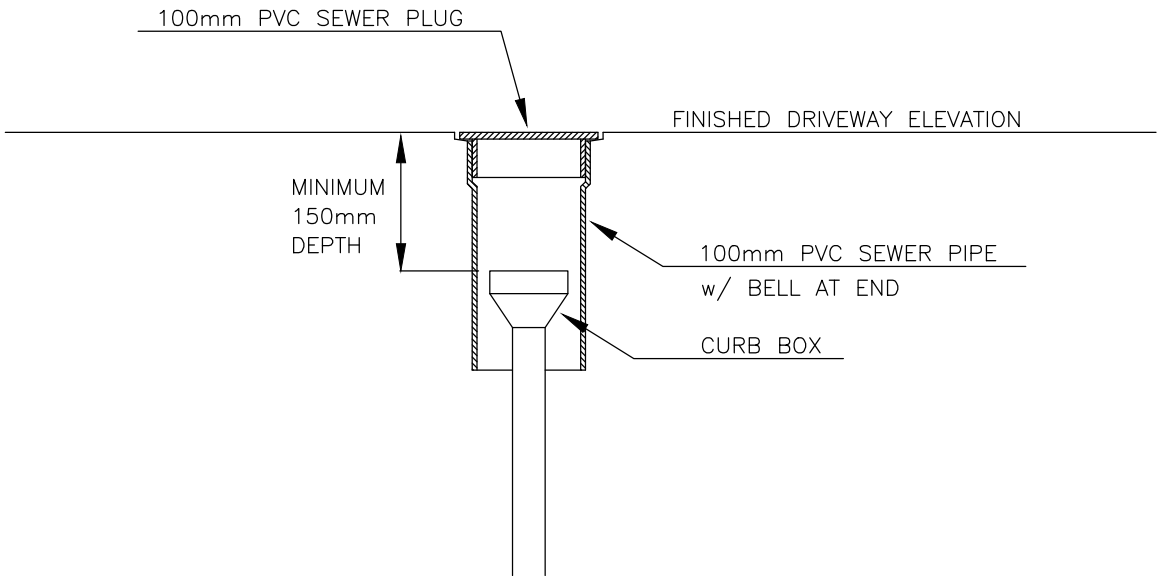
SCALE N.T.S.

DWG. No. 00–01–13

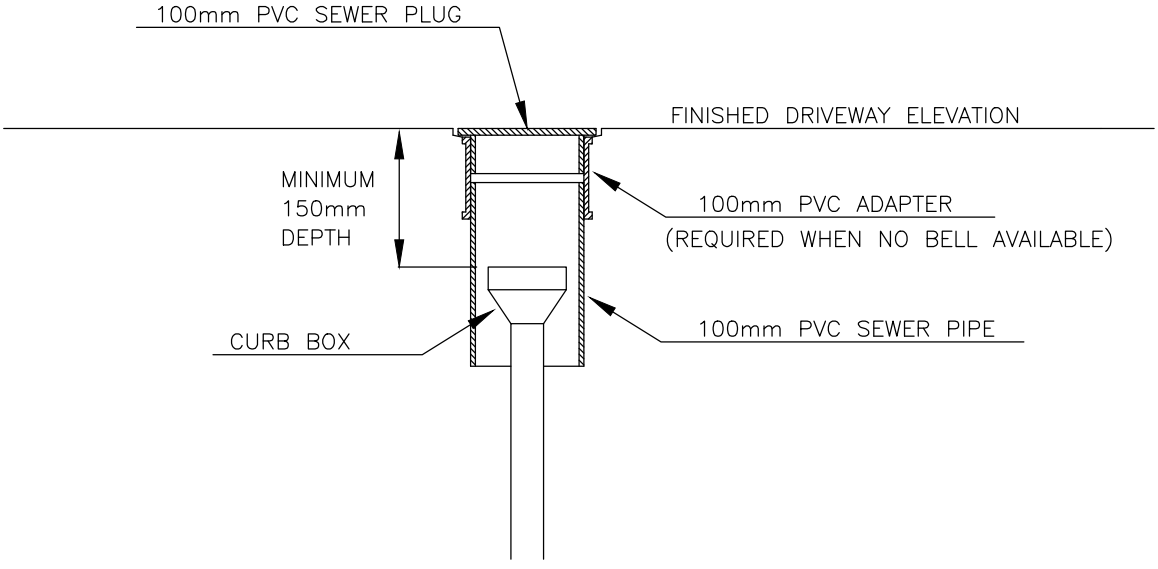
| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

## SLEEVE WHEN BELL END IS AVAILABLE



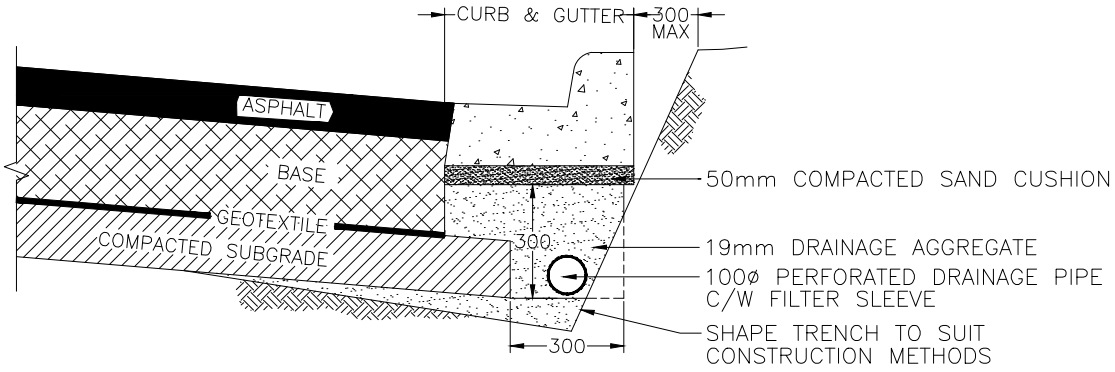

## SLEEVE WHEN ADAPTOR IS USED



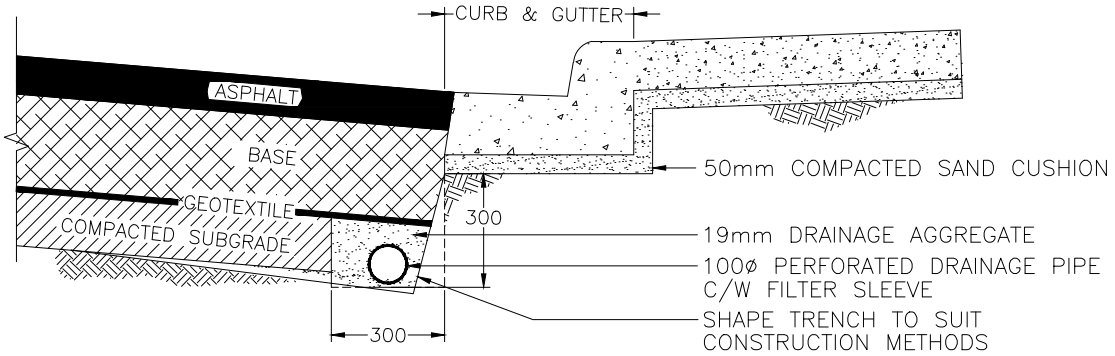

## NOTES

1. PRIOR TO INSTALLING CAP, REMOVE TOP GASKET OF BELL OR ADAPTER

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:04:14-06'00' |
| | | | PVC SLEEVE SPECIFICATIONS<br>FOR HARD SURFACED DRIVEWAYS | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED K. CALLAGHAN \| DATE OCT. 2014 | DWG. No. 00–01–14 |




## EXISTING ROAD, CURB & SEPARATE SIDEWALK RECONSTRUCTION




## EXISTING ROADWAY RECONSTRUCTION

## NOTES

1. ALL DIMENSIONS ARE GIVEN IN 'mm' UNLESS OTHERWISE STATED
2. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | FEB 2020 | MODIFIED DRAINAGE AGGREGATE |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

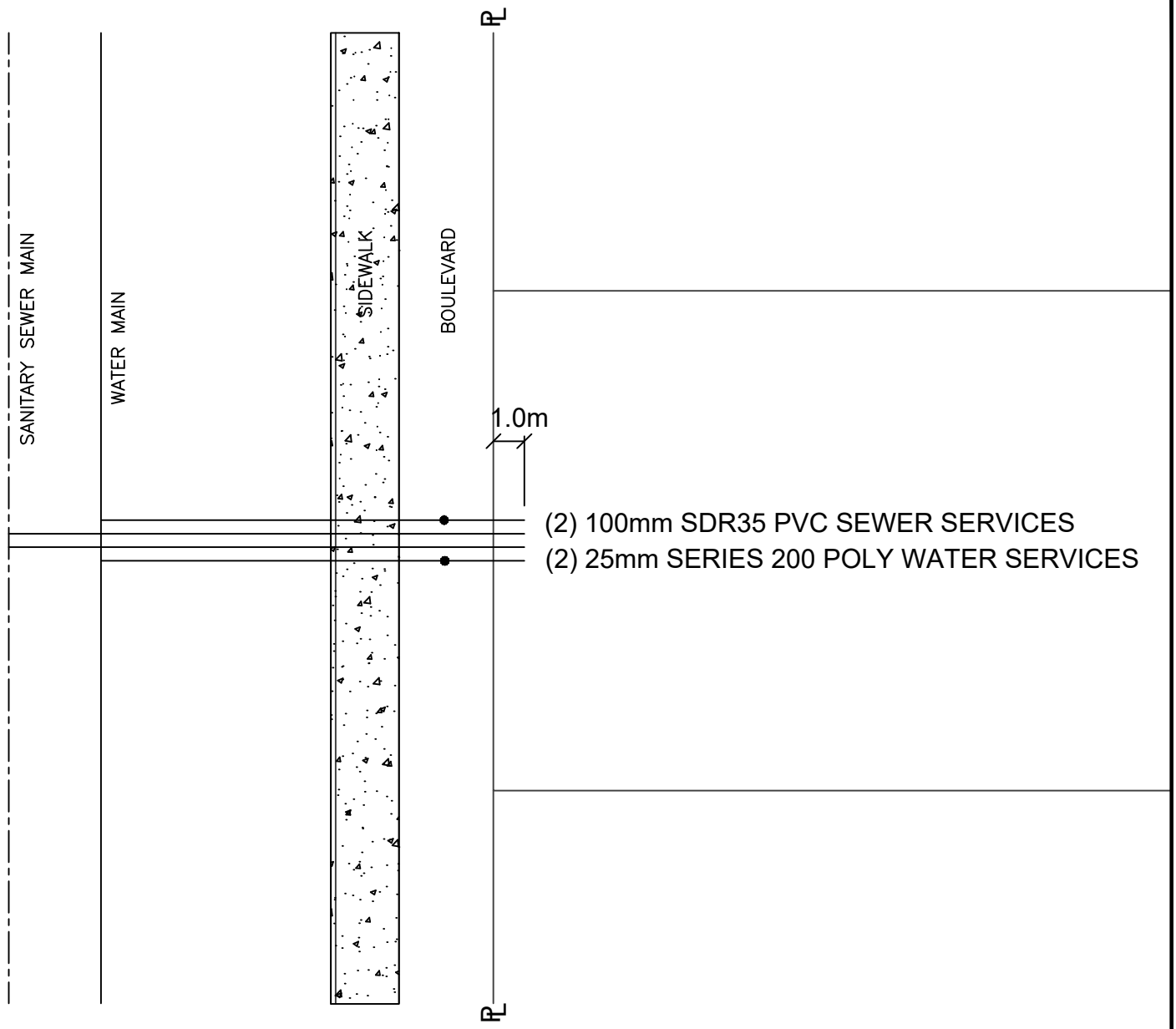
APPROVED
Wes Hicks

## PAVEMENT STRUCTURES w/ WEEPING TILE

SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

DWG. No. 00–01–15




## NOTES

1. INSTALLATION SPECIFICATIONS ARE THE SAME AS A SINGLE SERVICE
2. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | 4/16/15 | CHANGED LOCATIONS OF SERVICES |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

## DUPLEX SERVICE CONNECTION

DRAWN S. NUMEDAHL | DESIGNED K. CALLAGHAN | DATE OCT. 2014

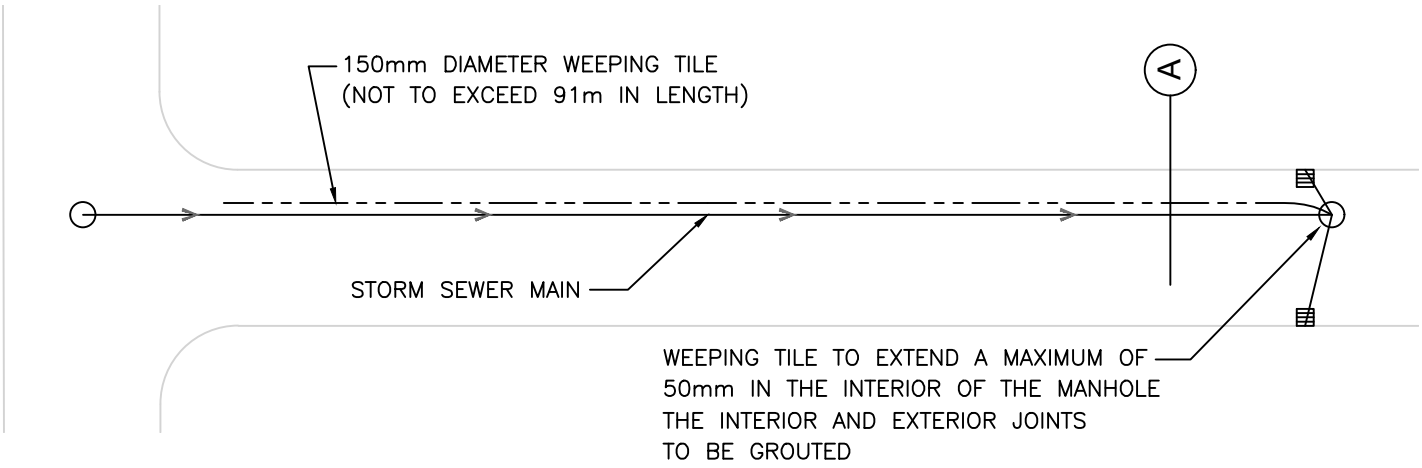
APPROVED

Jeffrey Da Silva

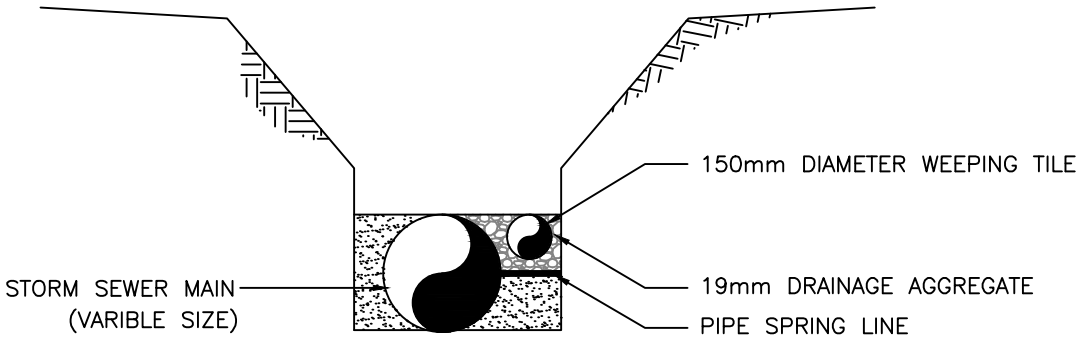
Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:04:23-06'00'

SCALE N.T.S.

DWG. No. 00–01–16




PLAN VIEW

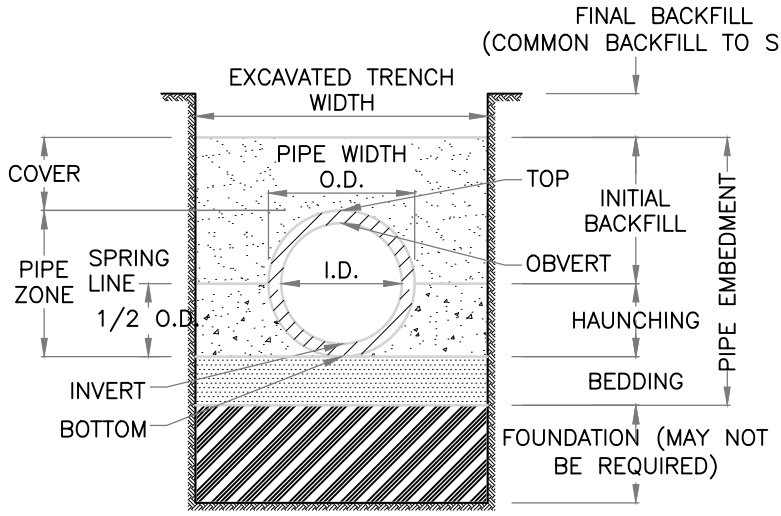



DETAIL 'A'

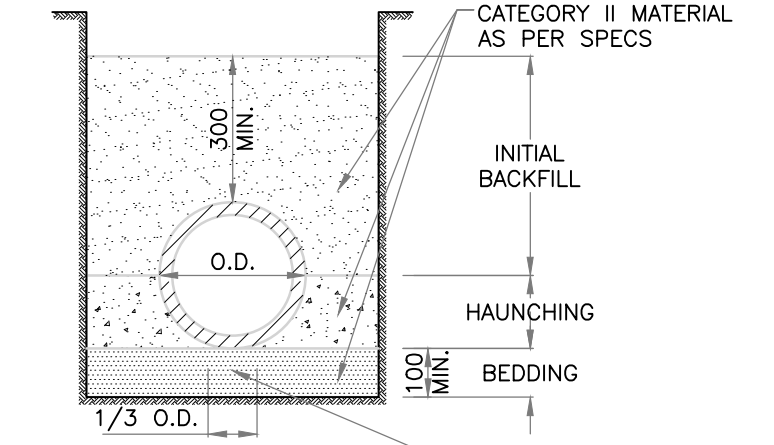
## NOTES

1. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS

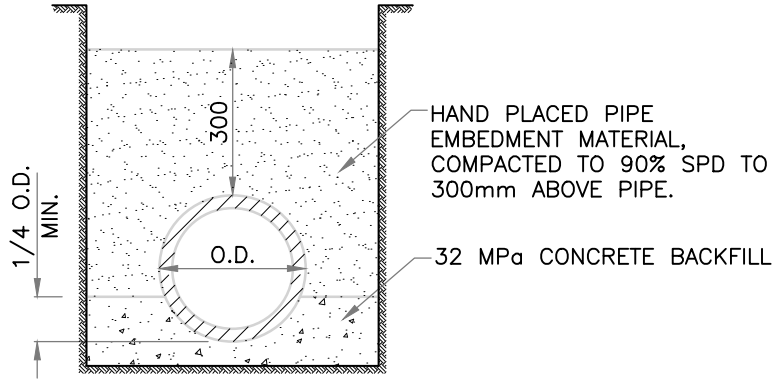
| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Wes Hicks |
| | | | STORM SEWER WEEPING TILE DETAIL | |
| 1 | FEB 2020 | REVISED SPECIFICATIONS | | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED M.GAREAU \| DATE OCT. 2014 | DWG. No. 00–01–17 |



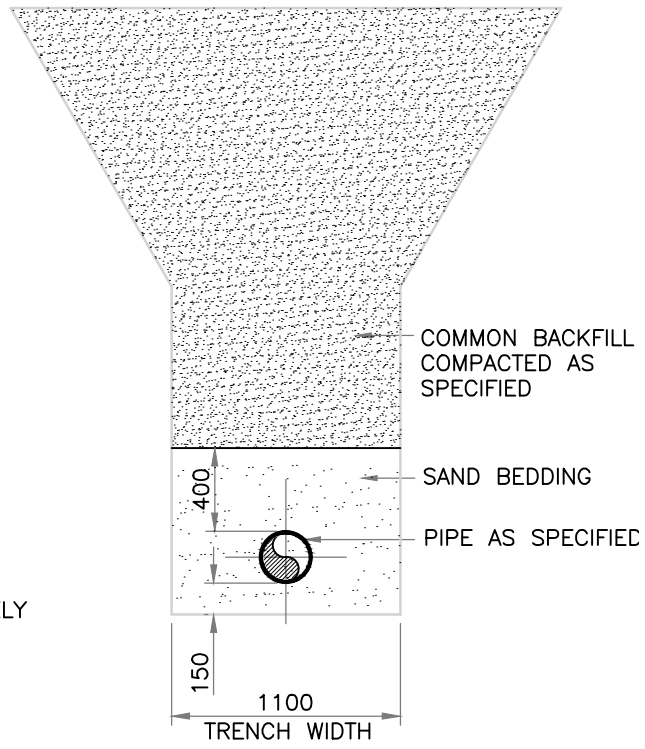

## TERMINOLOGY




## PVC & CONCRETE PIPE BEDDING DETAILS




## CLASS "A" BEDDING
(CONCRETE BACKFILL & BEDDING)

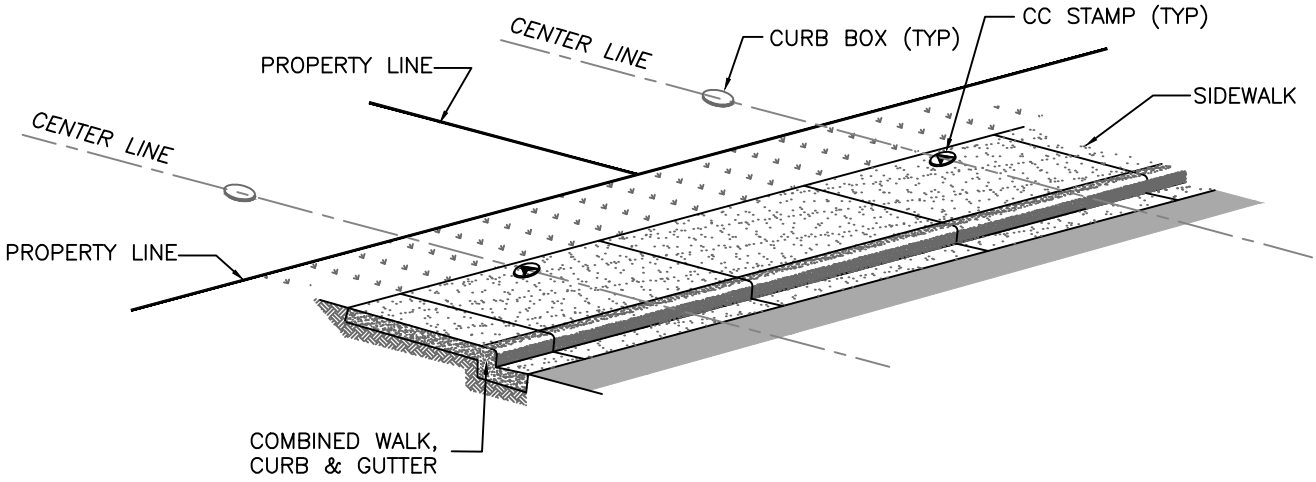



## TYPICAL TRENCH

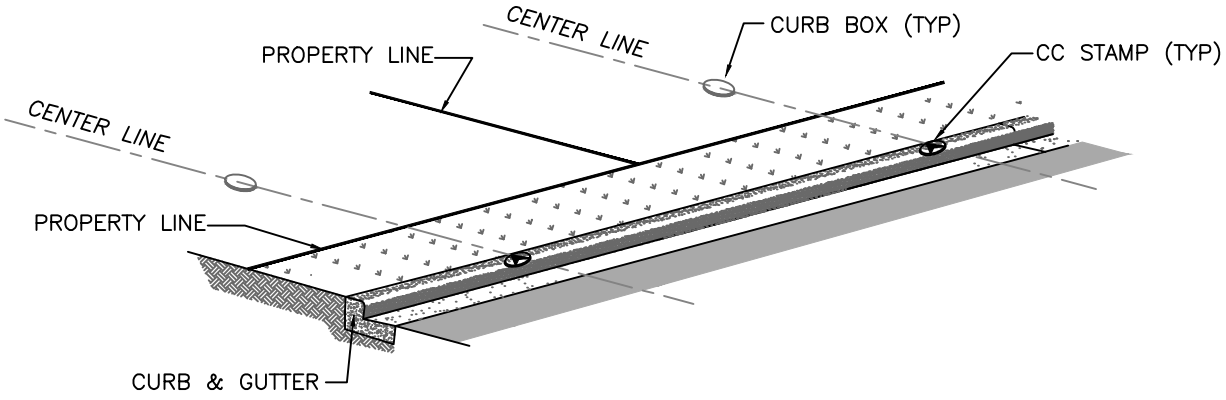
## NOTES

1. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, E=jdasilva@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:04:40-06'00' |
| | | | TRENCH AND BEDDING DETAILS | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–01–18 |




COMBINED WALK, CURB & GUTTER CC STAMP




CURB & GUTTER CC STAMP

| | | | | | |
|---|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | | APPROVED<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, [illegible]<br>O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:04:48-06'00'<br>Jeffrey Da Silva |
| | | | CURB COCK (CC) STAMP DETAIL | | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014 | DWG. No. 00–01–19 |

# City of Prince Albert

## Service Connection Note

CIVIC ADDRESS _____ DATE _____

LOT _____ BLOCK _____ PLAN _____

SEWER SERVICE

PIPE: DIA. _____ TYPE _____ LENGTH _____

WATER SERVICE

PIPE: DIA. _____ TYPE _____ LENGTH _____

THAW WIRE: Y / N LENGTH _____

FITTING SIZES: CLAMP _____ CORP _____ CURB _____

SPECIALS _____

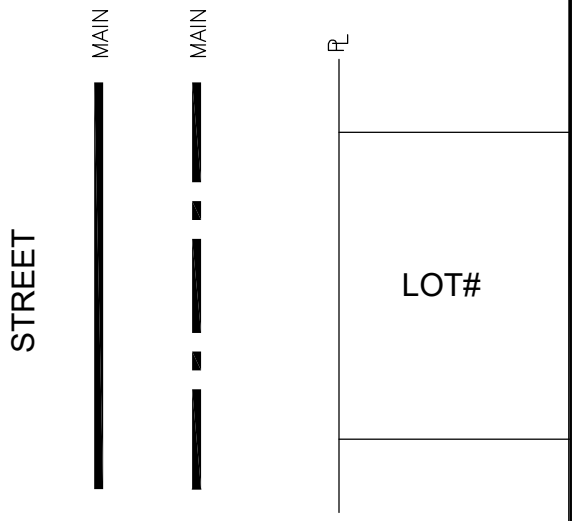
TRENCHING

LENGTHS: MACHINE _____ HAND _____ AUGER _____

OTHER _____

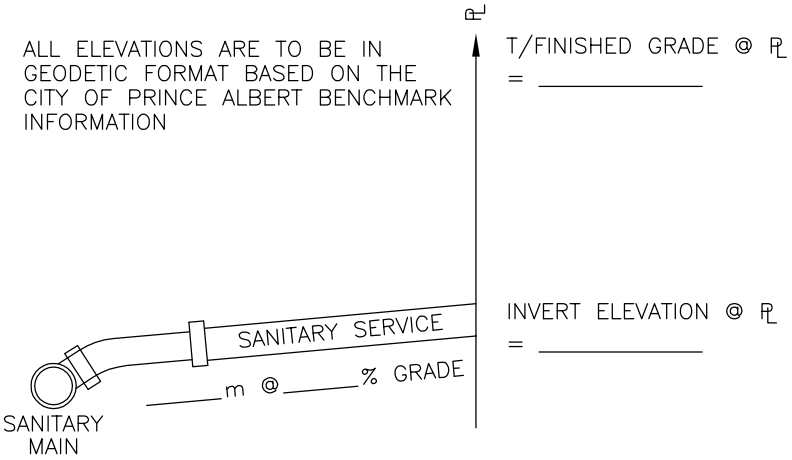
## Service Connection Tie-in

SHOW LOCATION OF WATER AND SEWER SERVICES IN RELATION TO LOT PROPERTY LINES




## Service Connection Profile

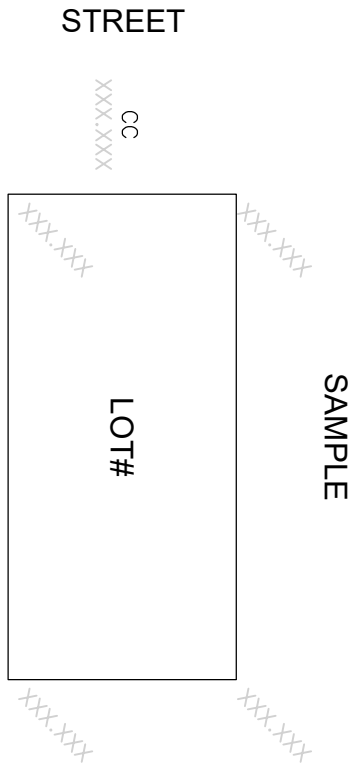
ALL ELEVATIONS ARE TO BE IN GEODETIC FORMAT BASED ON THE CITY OF PRINCE ALBERT BENCHMARK INFORMATION




NOTE: MINIMUM GRADE FOR 100mm SEWER PIPE IS 2.00%.
MINIMUM GRADE FOR 150mm SEWER PIPE IS 1.00%.

## Lot Grading Plan

PROVIDE DIAGRAM OF TOP VIEW OF LOT INDICATING FINISHED GRADE AT EACH PROPERTY DEFLECTION POINT AND ELEVATION AT THE STAMPED CC




| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT

PUBLIC WORKS

## SERVICE CONNECTION NOTE RESIDENTIAL DEVELOPMENTS

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE MAR. 2015

APPROVED Wes Hicks

SCALE N.T.S.

DWG. No. 00-01-20

# City of Prince Albert

## Service Connection Note

CIVIC ADDRESS _____ DATE _____

LOT _____ BLOCK _____ PLAN _____

STORM SEWER SERVICE

PIPE: DIA. _____ TYPE _____ LENGTH _____

SANITARY SEWER SERVICE

PIPE: DIA. _____ TYPE _____ LENGTH _____

WATER SERVICE

PIPE: DIA. _____ TYPE _____ LENGTH _____

THAW WIRE: Y / N LENGTH _____

FITTING SIZES: CLAMP _____ CORP _____ CURB _____

SPECIALS _____

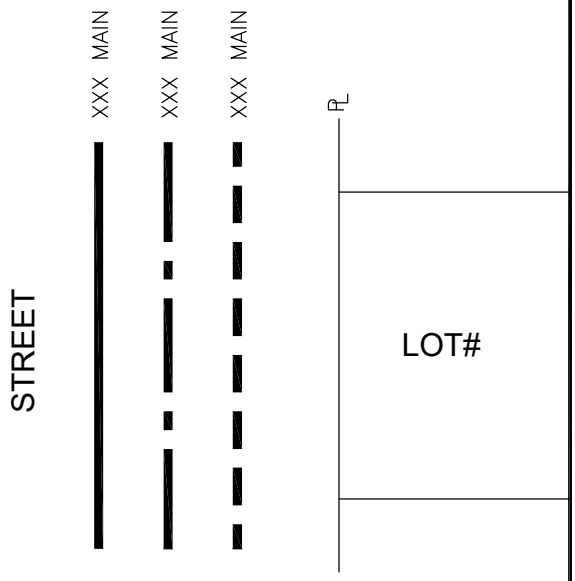
TRENCHING

LENGTHS: MACHINE _____ HAND _____ AUGER _____

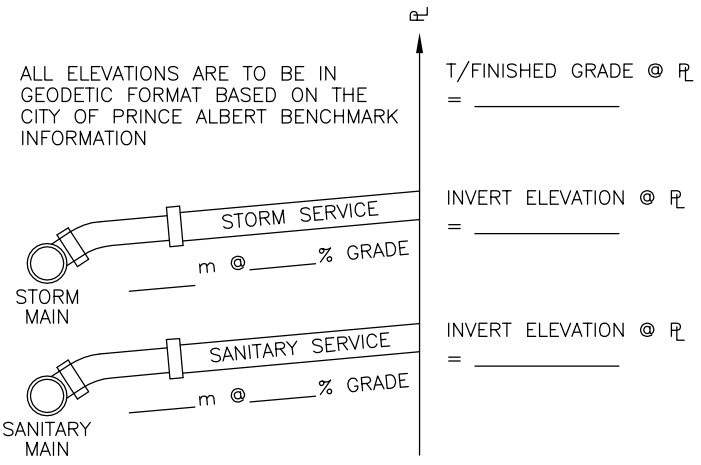
OTHER _____

## Service Connection Tie-in

SHOW LOCATION OF WATER AND SEWER SERVICES IN RELATION TO LOT PROPERTY LINES



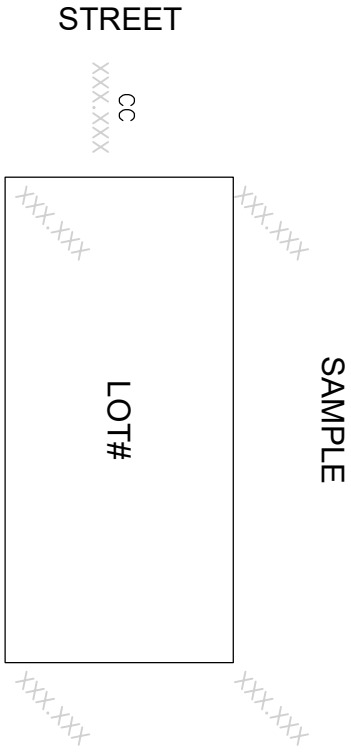

## Service Connection Profile




NOTE: MINIMUM GRADE FOR 250mm STM SEWER PIPE IS 0.50%.
MINIMUM GRADE FOR 100mm SAN SEWER PIPE IS 2.00%.
MINIMUM GRADE FOR 150mm SAN SEWER PIPE IS 1.00%.

## Lot Grading Plan

PROVIDE DIAGRAM OF TOP VIEW OF LOT INDICATING FINISHED GRADE AT EACH PROPERTY DEFLECTION POINT AND ELEVATION AT THE STAMPED CC




| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | Feb 2017 | REVISED DETAIL TITLE |

# CITY OF PRINCE ALBERT

PUBLIC WORKS

## SERVICE CONNECTION NOTE DEVELOPMENTS WITH STORM SEWER

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE MAR. 2015

APPROVED Wes Hicks

SCALE N.T.S.

DWG. No. 00-01-21

**CITY OF PRINCE ALBERT**
**CURB BOX REPORT**
**LOCATION AND ADJUSTMENT**

**Address:** _____

**Legal Description:**

Lot: _____

Block: _____

River Lot: _____

Plan: _____

**Work Performed:**

Curb Box Located: _____

Curb Box Raised: _____

Curb Box Marked: _____

**Note:**

Any Additional Repairs Required?: _____

_____

_____

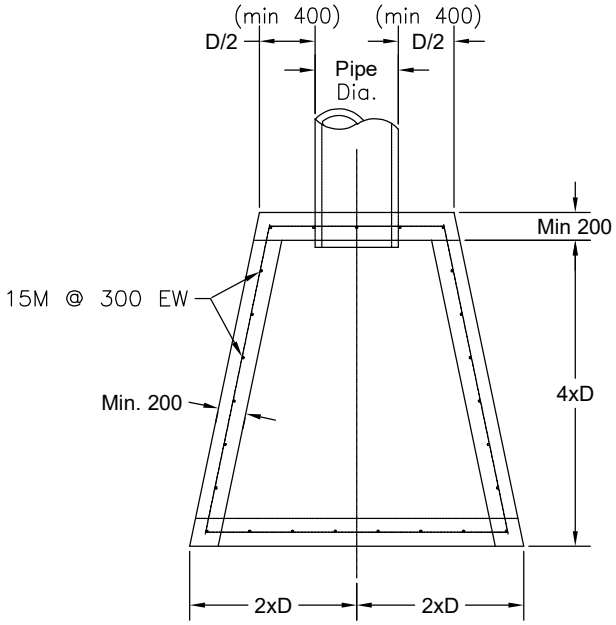
_____

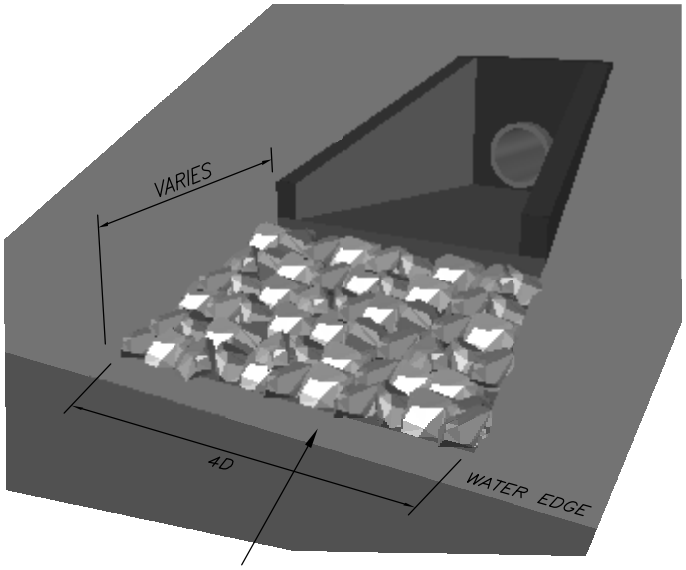
Date of Location or Repair Completed: _____

Performed by: _____

Foreman: _____

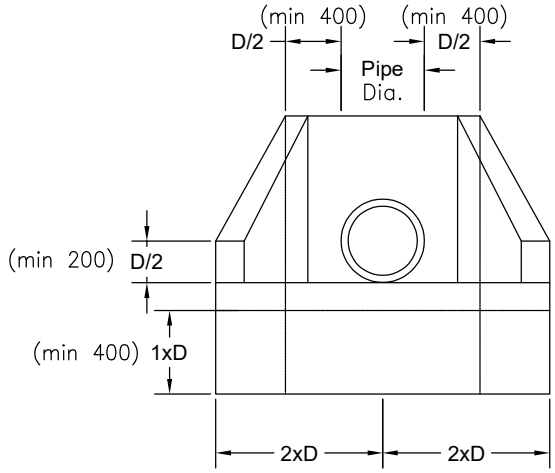
Supervisor: _____

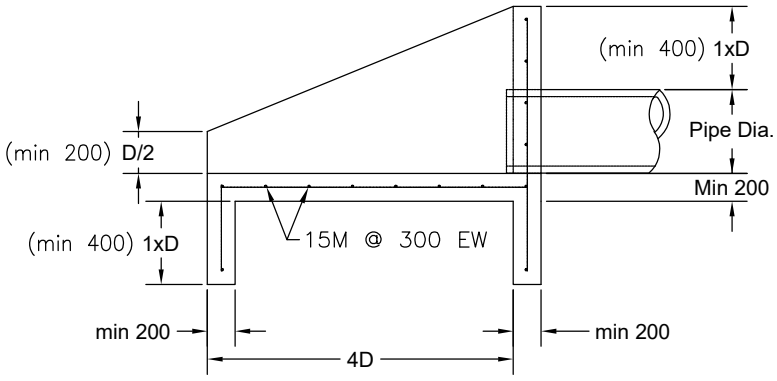


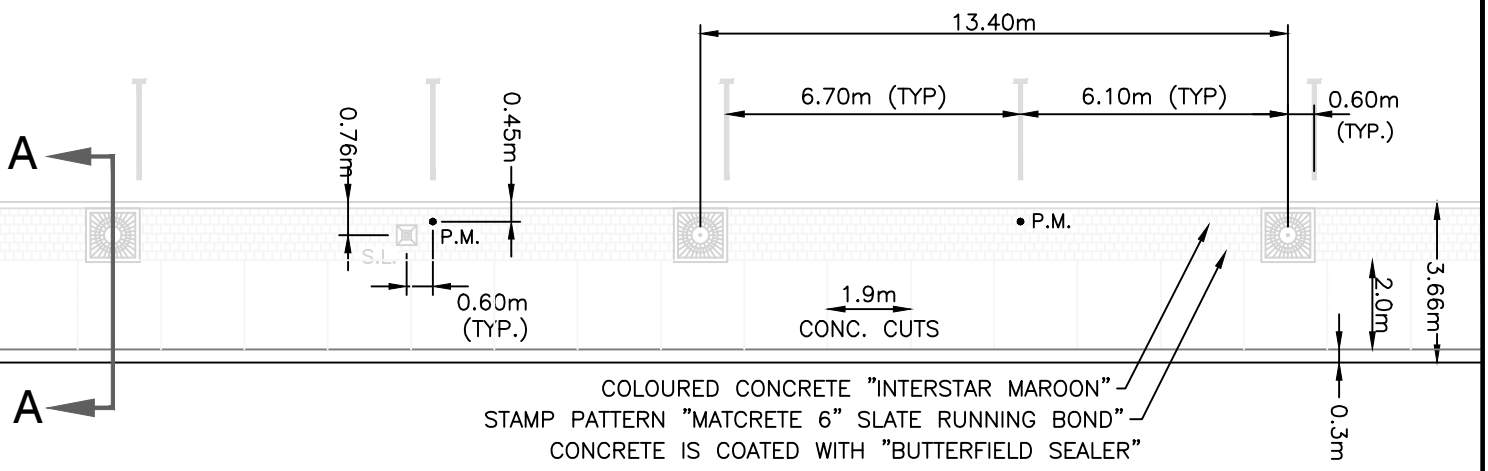

DO NOT ALTER SHORE LINE IN ANY WAY
DO NOT PLACE ANY MATERIAL INTO THE WATER

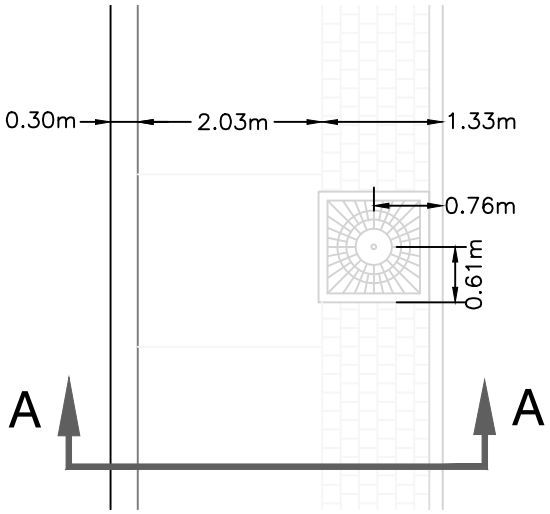
| RIPRAP STONE SIZE | |
|---|---|
| 100% | < 350mm |
| 80% | < 275mm |

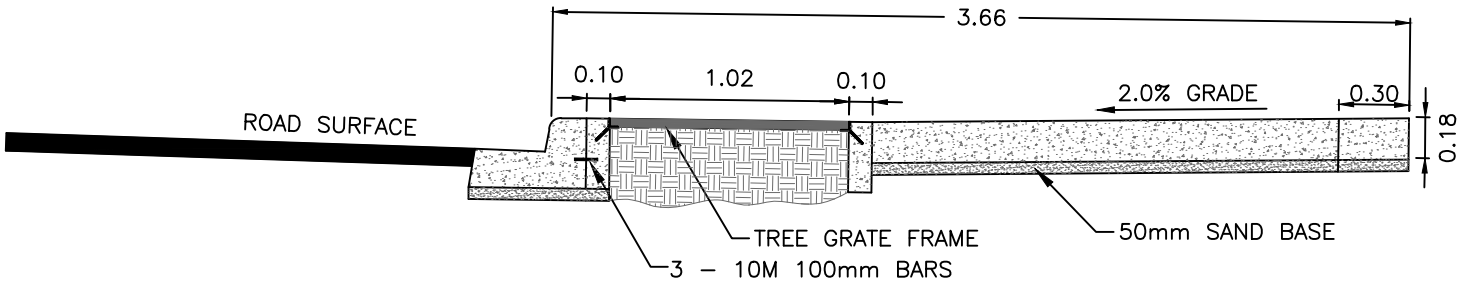



| | | | | | | |
|---|---|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | | | APPROVED<br>Wes Hicks |
| | | | STORM OUTFALL DESIGN | | | SCALE N.T.S. |
| 1 | JAN 2017 | REVISED RIPRAP REQUIREMENTS | | | | |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014 | DWG. No. 00–01–23 |



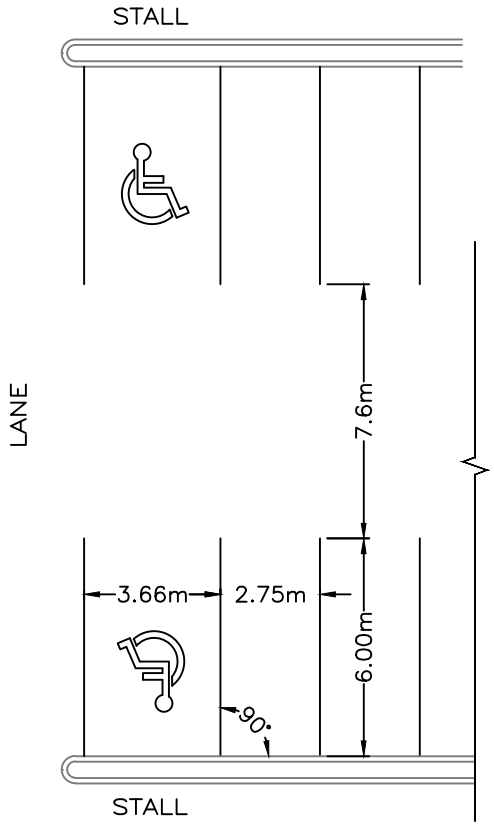




## NOTES

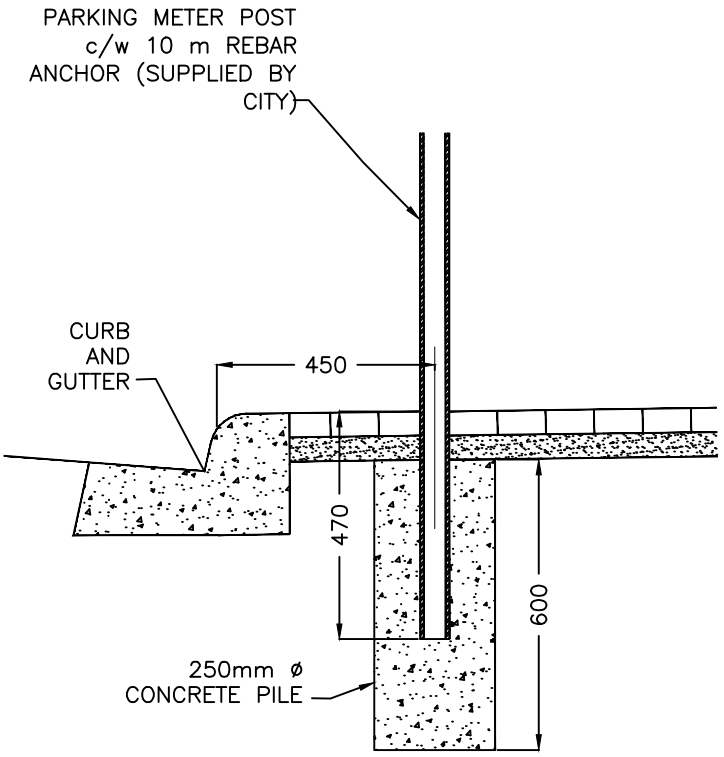
1. CONCRETE COMPRESSIVE STRENGTH = 32MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:05:03-06'00'<br>Jeffrey Da Silva |
| | | | STREETSCAPE DETAIL<br>AND TREE GRATE DETAIL | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–02–01 |

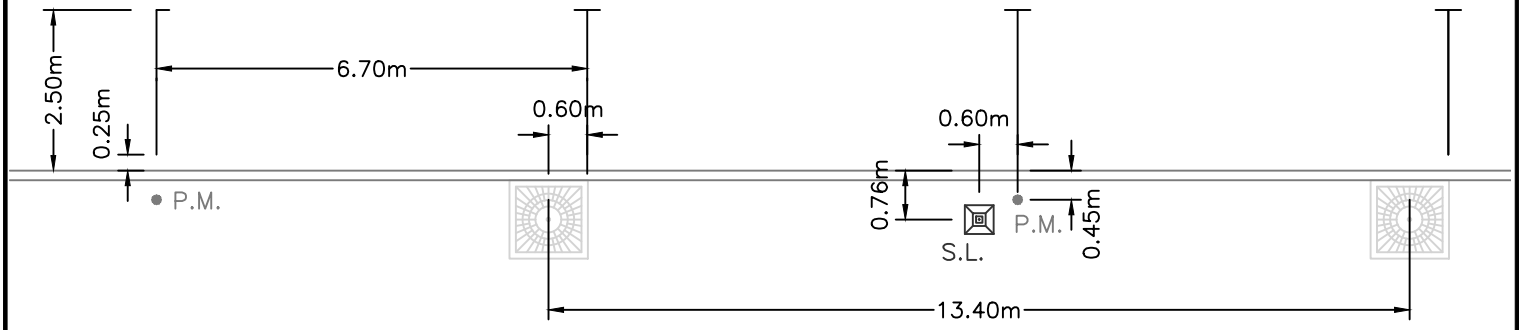
90° PARKING DETAIL




PARKING METER POST BASE




METERED PARKING DETAIL




## NOTES

1. 90° PARKING DIMENSIONS ARE A MINIMUM REQUIREMENT AND METERED PARKING DIMENSIONS ARE TYPICAL
2. ZONING BYLAW NO. 1 OF 1987 STATES THERE SHALL BE 1 STALL AVAILABLE FOR PERSONS WITH DISABILITIES, FOR LOTS WITH 10 SPACES OR LESS FOR LOTS WITH 11–400 SPACES, 2 SPACES OR 2% OF THE TOTAL SPACES, WHICHEVER IS GREATER, MUST BE AVAILABLE FOR PERSONS WITH DISABILITIES

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

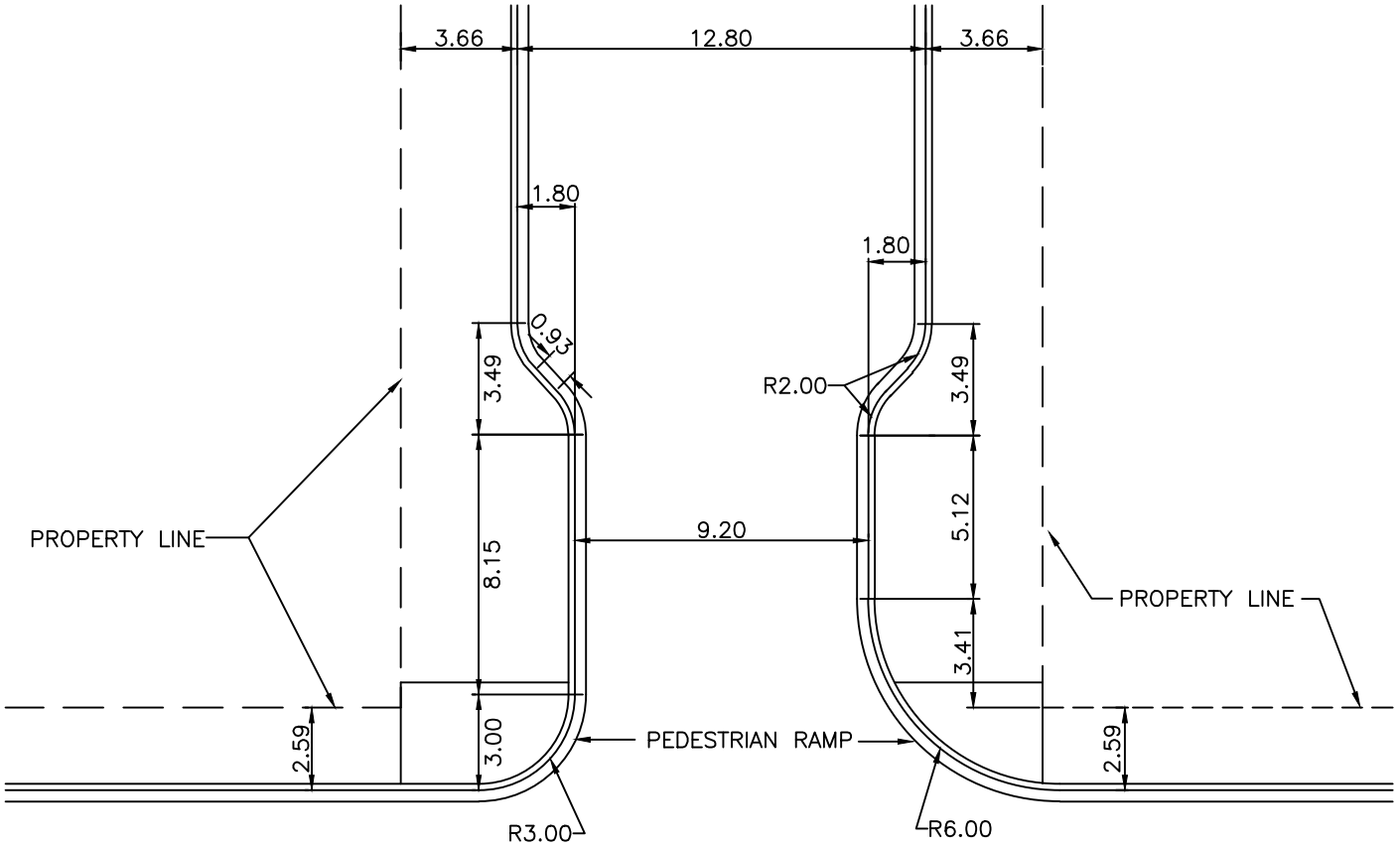
## METERED PARKING DETAIL

APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:05:13-06'00'

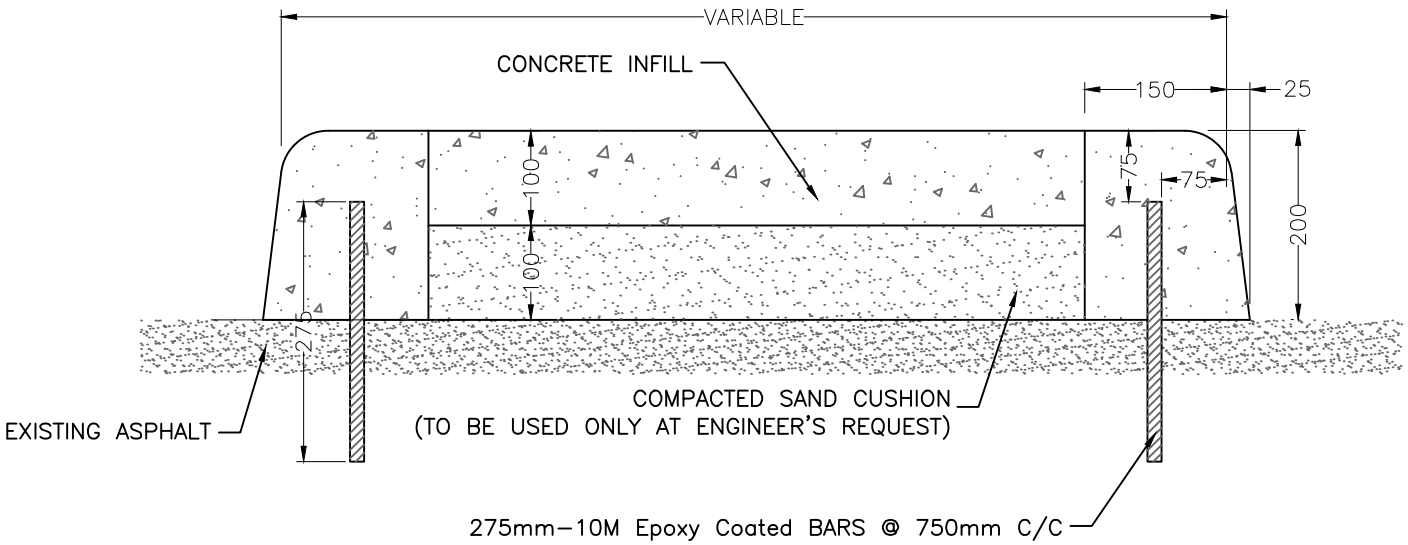
SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

DWG. No. 00–02–02




| | | | | | |
|---|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, E=JSilva@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:05:22-06'00' |
| | | | | | |
| | | | DOWNTOWN CURB DETAIL | | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014 | DWG. No. 00–02–03 |




## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED @ INTERVALS OF 1.5m WITH GROOVES APPROX. 3mm IN WIDTH AND SHALL EXTEND 1/4 THE DEPTH OF THE STRUCTURE
5. ALL DIMENSIONS ARE IN "mm" UNLESS OTHERWISE SHOWN

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

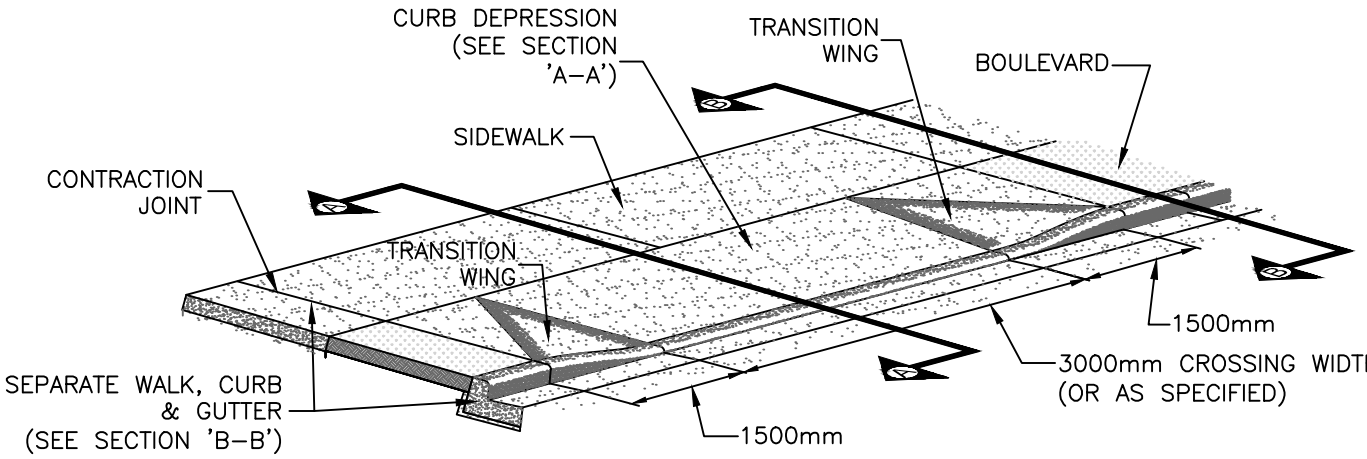
## MEDIAN DETAIL ON EXISTING ASPHALT

APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:05:31-06'00'

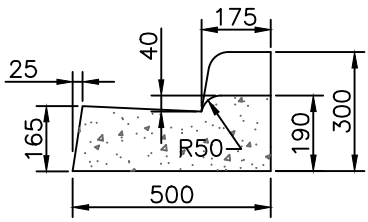
SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

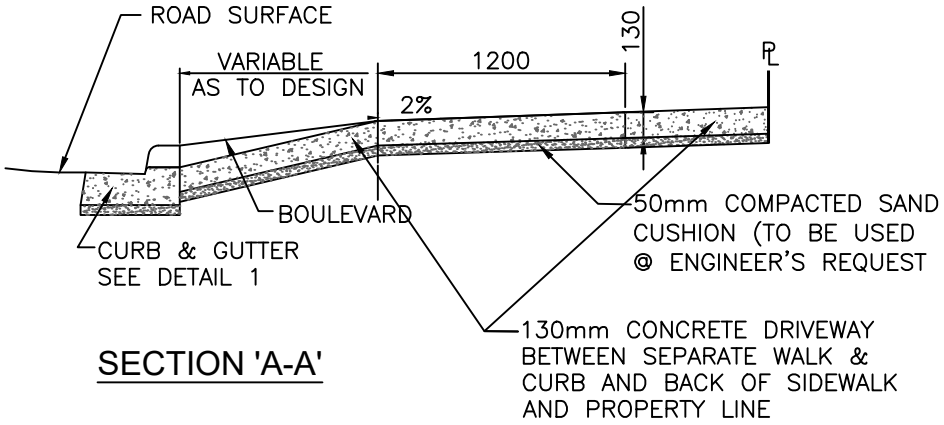
DWG. No. 00–03–01



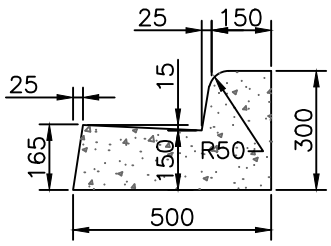

## SEPARATE WALK, CURB & GUTTER CROSSING



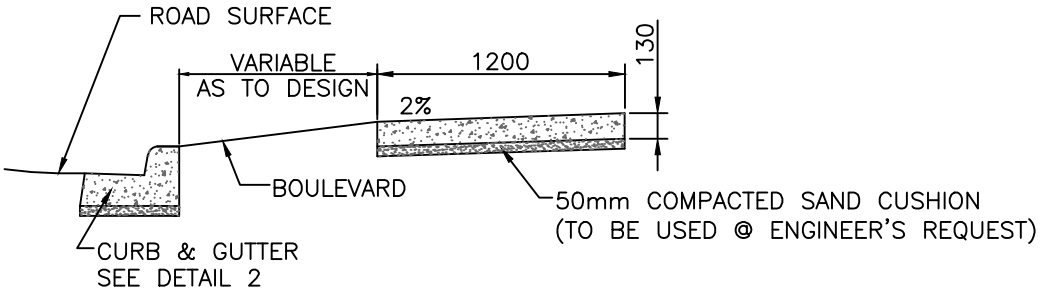

DETAIL 1




SECTION 'A-A'




DETAIL 2




SECTION 'B-B'

## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN INTERVALS OF 1500mm WITH GROOVES APPROXIMATELY 3mm IN WIDTH AND SHALL EXTEND 1/4 OF THE DEPTH OF THE STRUCTURE
5. SEPARATE WALK AND DRIVEWAY AT COMMERCIAL/INDUSTRIAL, MULTI–FAMILY AND LANE CROSSING SHALL BE CONSTRUCTED TO A DEPTH OF 175mm TO PROPERTY LINE
6. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ALL CROSSINGS AT INTERVALS OF 4000mm OR AT THE CENTRE OF CROSSINGS 6000mm OR LESS IN WIDTH
7. ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE STATED

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | 10/12/2023 | THICKENED CROSSING CLARIFICATIONS |
| 1 | 8/6/2018 | SURFACE REPAIR CLARIFICATIONS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

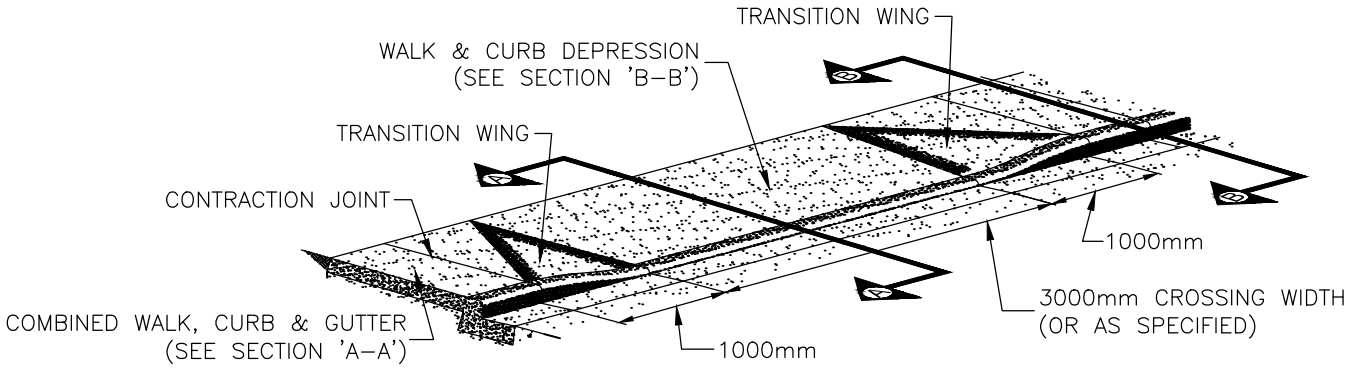
## VERTICAL CURB, GUTTER AND SEPARATE WALK

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

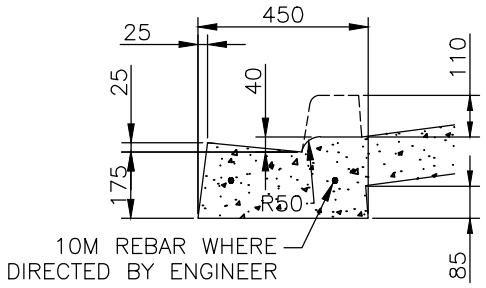
APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
Date: 2025.02.13 13:05:41-06'00'

SCALE N.T.S.

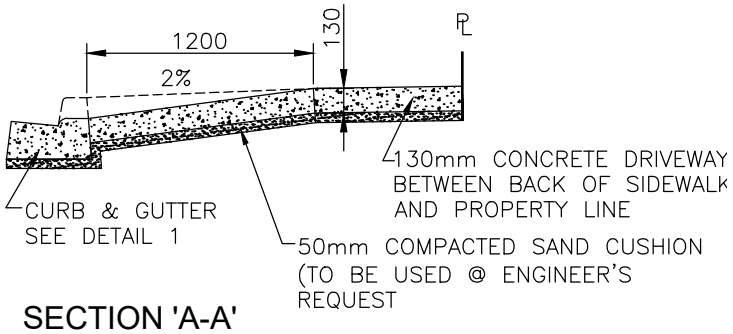
DWG. No. 00–03–02



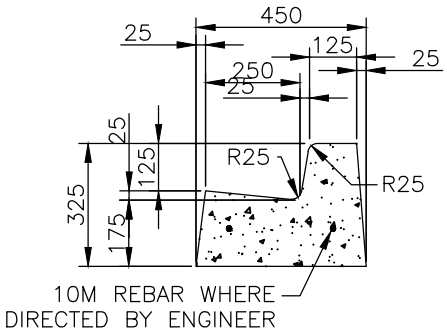

## COMBINED WALK, CURB & GUTTER CROSSING



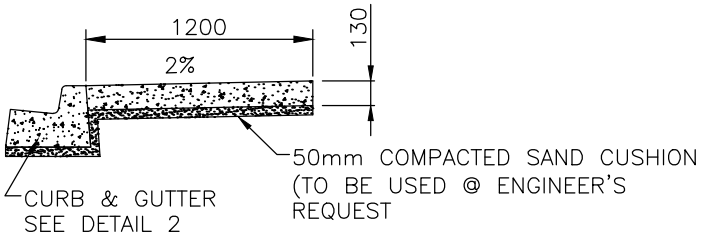

DETAIL 1




SECTION 'A-A'




DETAIL 2




SECTION 'B-B'

## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN INTERVALS OF 1500mm WITH GROOVES APPROXIMATELY 3mm IN WIDTH AND SHALL EXTEND 1/4 OF THE DEPTH OF THE STRUCTURE
5. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ALL CROSSINGS AT INTERVALS OF 4000mm OR AT THE CENTRE OF CROSSINGS 6000mm OR LESS IN WIDTH
6. ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE STATED

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | 8/2/2022 | UPDATED DETAILS & SECTIONS |
| 1 | 8/6/2018 | SURFACE REPAIR CLARIFICATIONS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

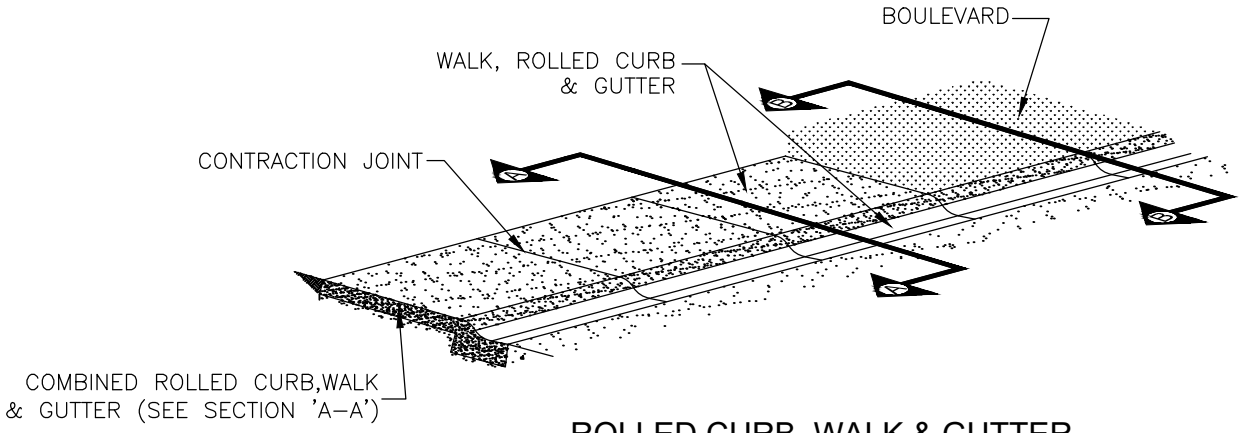
## VERTICAL CURB, GUTTER AND SIDEWALK MONOLITHIC

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

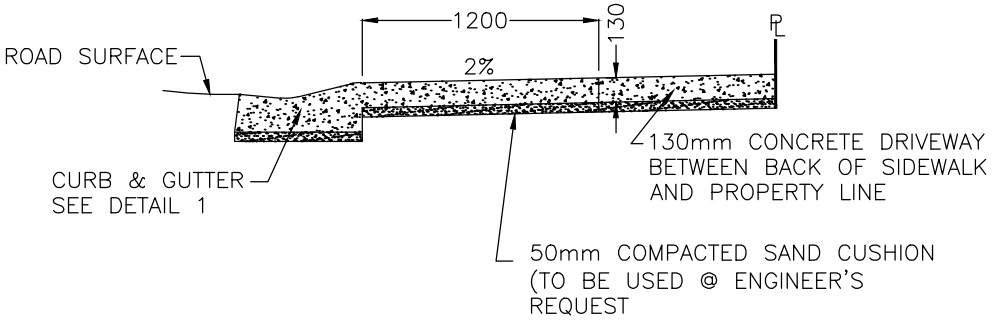
APPROVED
Wes Hicks

SCALE

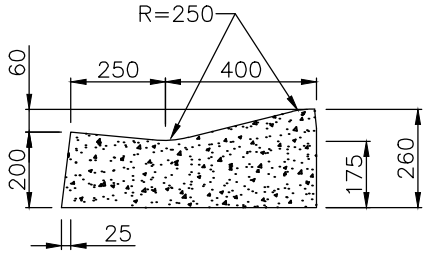
DWG. No. 00–03–03



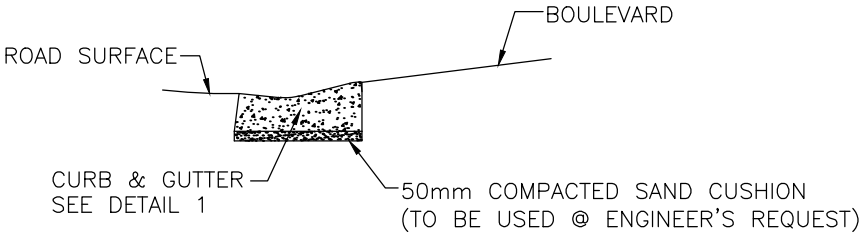

ROLLED CURB, WALK & GUTTER




SECTION 'A-A'




DETAIL 1




SECTION 'B-B'

## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN INTERVALS OF 1500mm WITH GROOVES APPROXIMATELY 3mm IN WIDTH AND SHALL EXTEND 1/4 OF THE DEPTH OF THE STRUCTURE
5. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ALL CROSSINGS AT INTERVALS OF 4000mm OR AT THE CENTRE OF CROSSINGS 6000mm OR LESS IN WIDTH
6. ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE STATED

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | 8/6/2018 | SURFACE REPAIR CLARIFICATIONS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

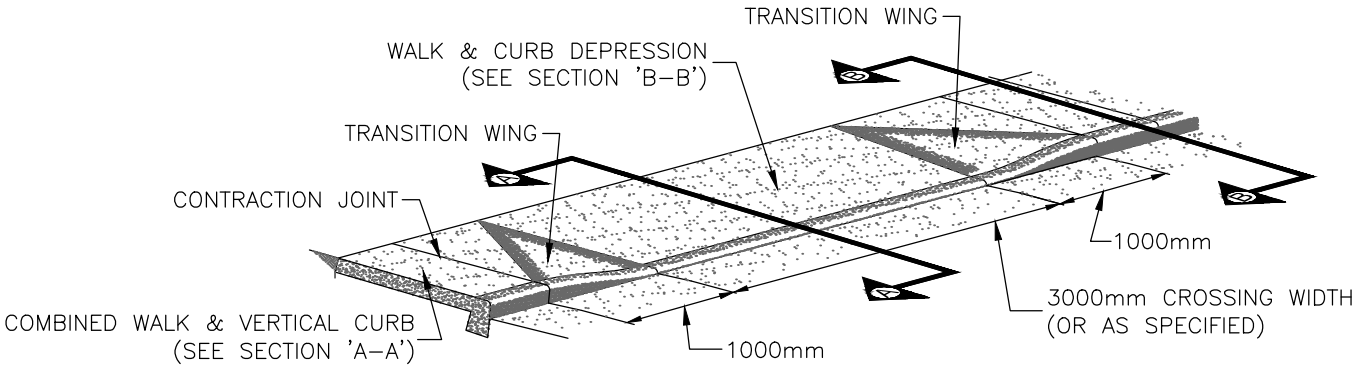
## ROLLED CURB, GUTTER AND SIDEWALK MONOLITHIC

APPROVED Wes Hicks

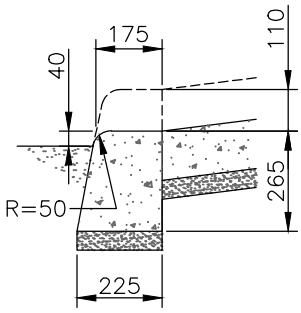
SCALE

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

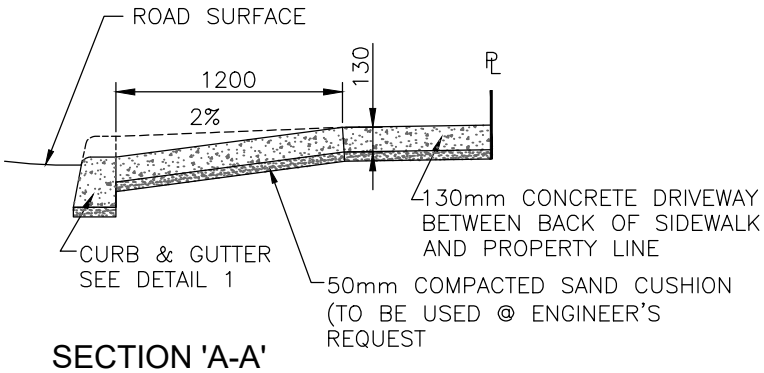
DWG. No. 00–03–04



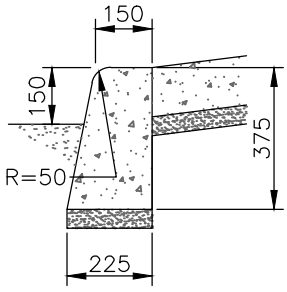

## COMBINED WALK & VERTICAL CURB CROSSING



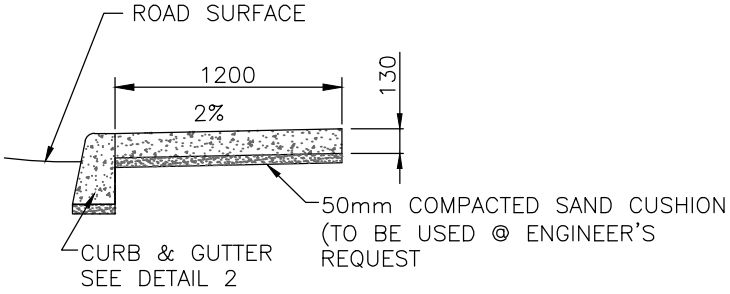

DETAIL 1




SECTION 'A-A'




DETAIL 2

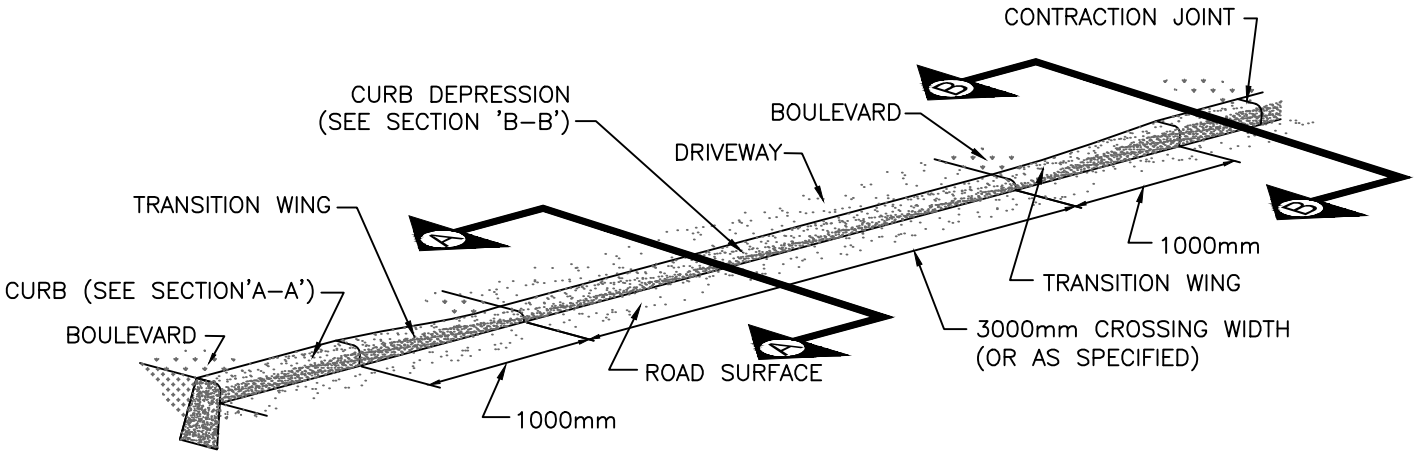



SECTION 'B-B'

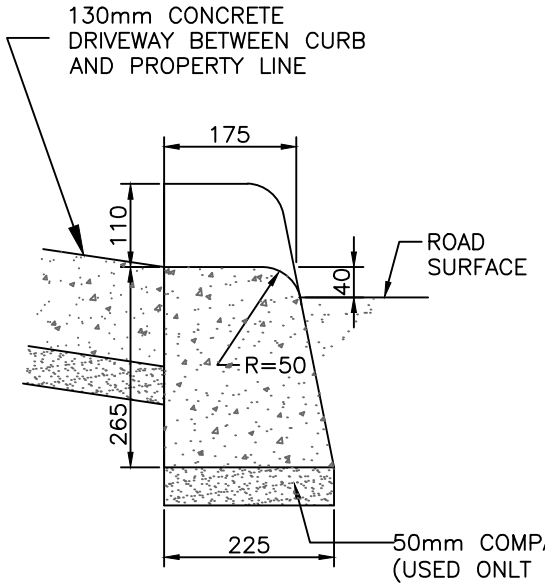
## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN INTERVALS OF 1500mm WITH GROOVES APPROXIMATELY 3mm IN WIDTH AND SHALL EXTEND 1/4 OF THE DEPTH OF THE STRUCTURE
5. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ALL CROSSINGS AT INTERVALS OF 4000mm OR AT THE CENTRE OF CROSSINGS 6000mm OR LESS IN WIDTH
6. ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE STATED

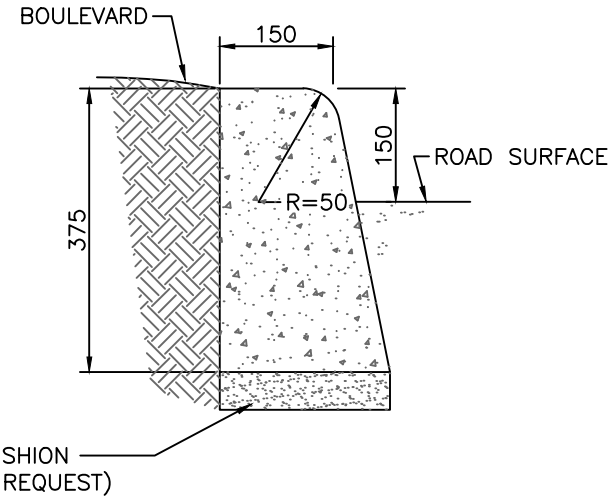
| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:05:53-06'00' |
| | | | VERTICAL CURB AND<br>SIDEWALK MONOLITHIC | SCALE |
| No. | DATE | REVISION | DRAWN V. SAWCHUK \| DESIGNED M. GAREAU \| DATE AUG. 2022 | DWG. No.<br>00–03–05 |




## CURB CROSSING




SECTION 'A-A'




SECTION 'B-B'

## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF 1.5m WITH GROOVES APPROXIMATELY 3mm IN WIDTH AND SHALL EXTEND 1/4 THE DEPTH OF THE STRUCTURE
5. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ALL CROSSINGS AT INTERVALS OF 4.0m OR AT THE CENTRE OF CROSSINGS 6.0m OR LESS IN WIDTH
6. ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE INDICATED

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | 06/01/18 | SURFACE REPAIR CLARIFICATIONS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

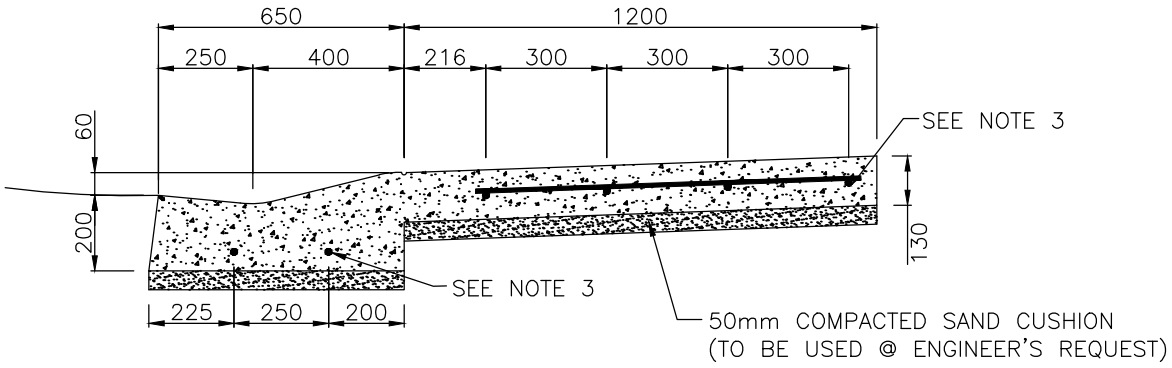
## VERTICAL CURB CROSSING DETAIL

APPROVED Wes Hicks

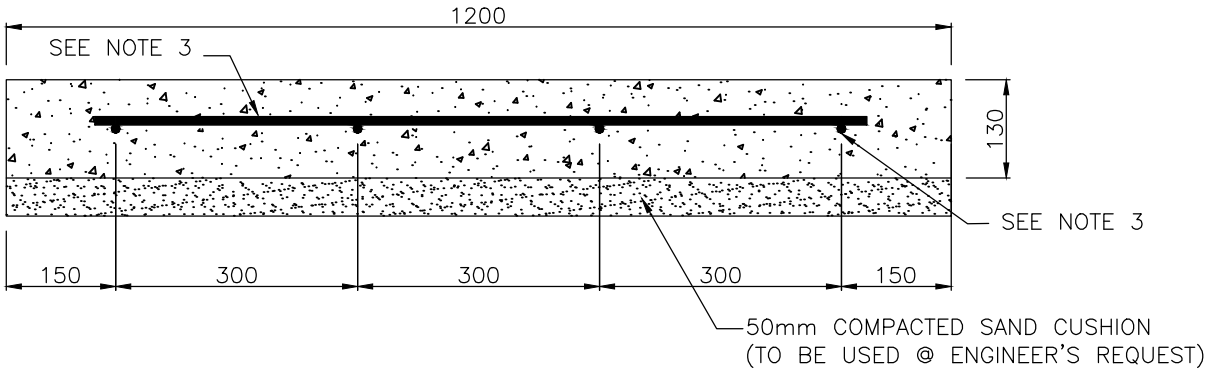
SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

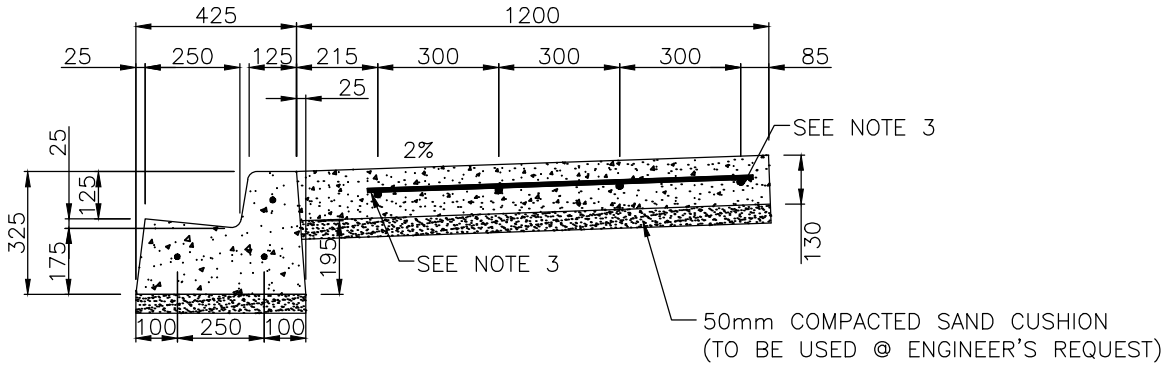
DWG. No. 00–03–06




COMBINED ROLLED CURB, WALK & GUTTER




SEPARATE WALK




COMBINED WALK, CURB & GUTTER

## NOTES

1. THE ENGINEER MAY REQUIRE THAT, PRIOR TO INSTALLING REINFORCING OVER BACKFILLED SERVICE CONNECTIONS, THE TRENCH BE WIDENED TO AN AREA 3m X 2m AND EXCAVATED TO A DEPTH OF 1m
2. MATERIAL TO BE REPLACED BY COMPACTION IN 150mm LIFTS @ 100% PROCTOR DENSITY
3. ALL REINFORCING BARS TO BE 10M MINIMUM

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | 8/2/2022 | UPDATED VERTICAL CURB |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

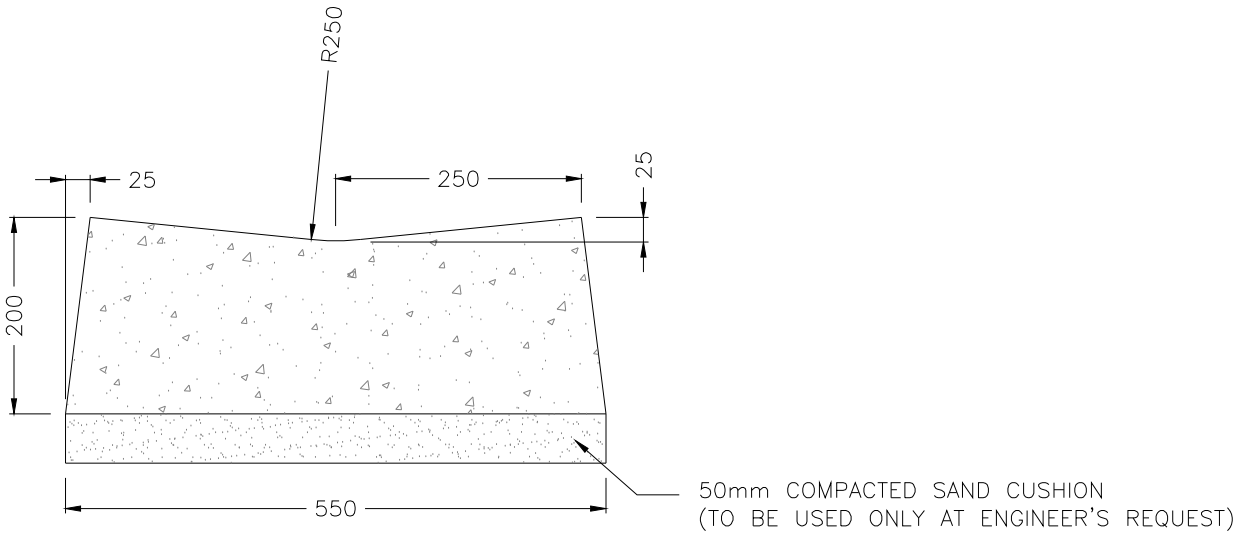
## REINFORCING REQUIREMENTS WHEN CROSSING BACKFILLED TRENCHES

APPROVED Wes Hicks

SCALE N.T.S.

DWG. No. 00–03–07

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014




## CONCRETE SWALE

## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED @ INTERVALS OF 1.5m WITH GROOVES APPROX. 3mm IN WIDTH AND SHALL EXTEND 1/4 THE DEPTH OF THE STRUCTURE
5. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ALL CROSSINGS AT INTERVALS OF 4m OR AT THE CENTRE OF CROSSINGS 6m OR LESS IN WIDTH

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

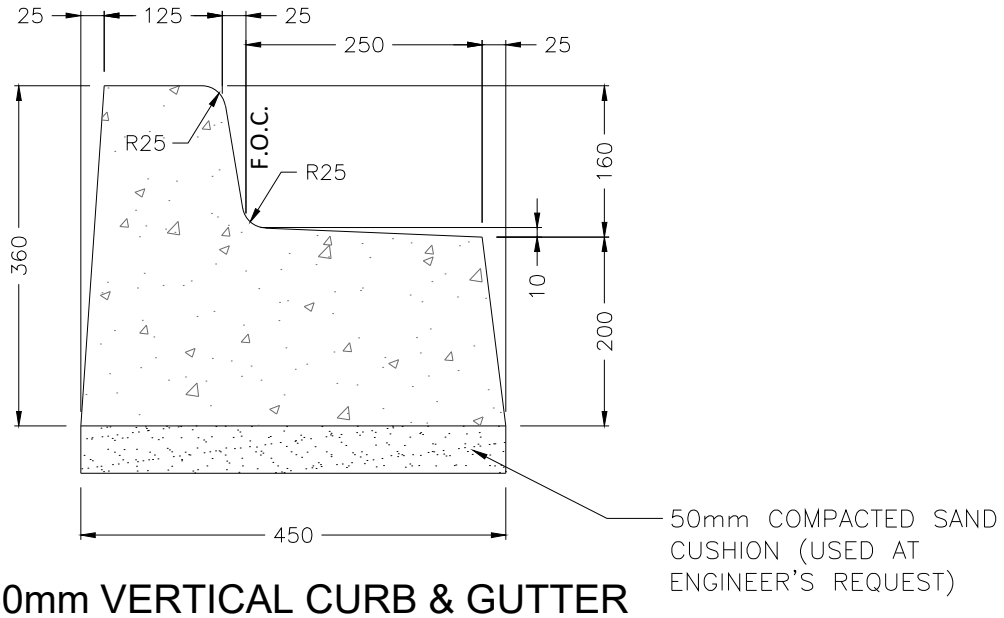
## CONCRETE SWALE DETAIL

APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, R:\Symbols\Signatures\Jeffrey@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:06:05-06'00'

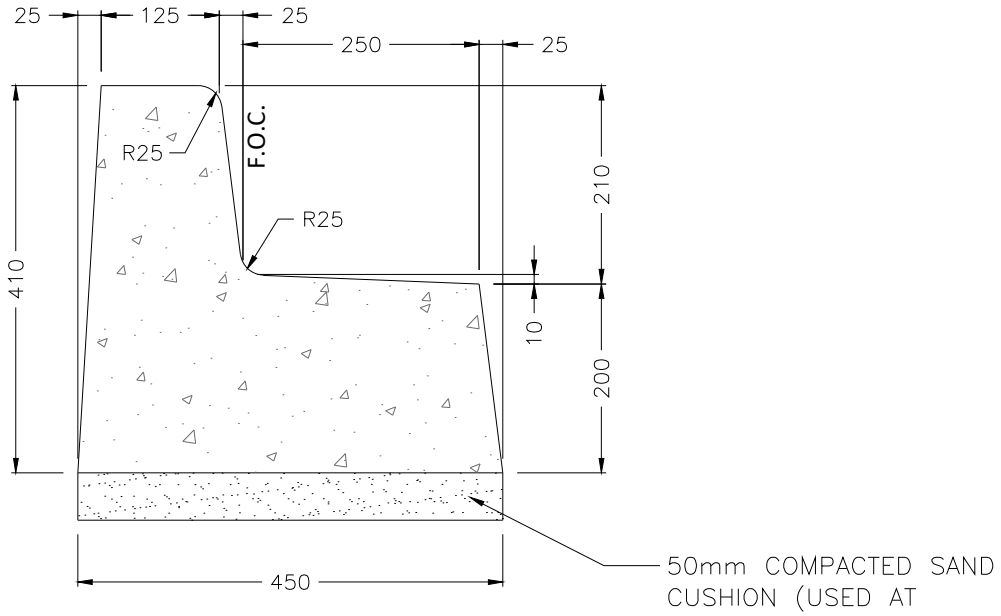
SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

DWG. No. 00-03-08




## 150mm VERTICAL CURB & GUTTER




## 200mm VERTICAL CURB & GUTTER

## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED @ INTERVALS OF 1.5m WITH GROOVES APPROX. 3mm IN WIDTH AND SHALL EXTEND 1/4 THE DEPTH OF THE STRUCTURE
5. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ALL CROSSINGS AT INTERVALS OF 4m OR AT THE CENTRE OF CROSSINGS 6m OR LESS IN WIDTH

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

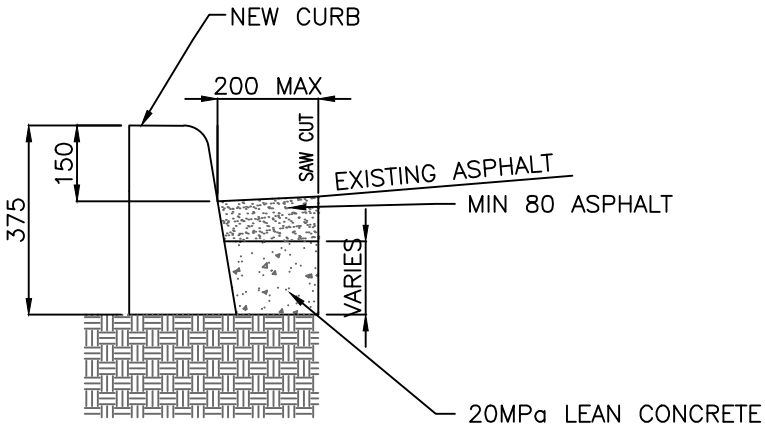
APPROVED Wes Hicks

## REVERSED CURB AND GUTTER DETAIL

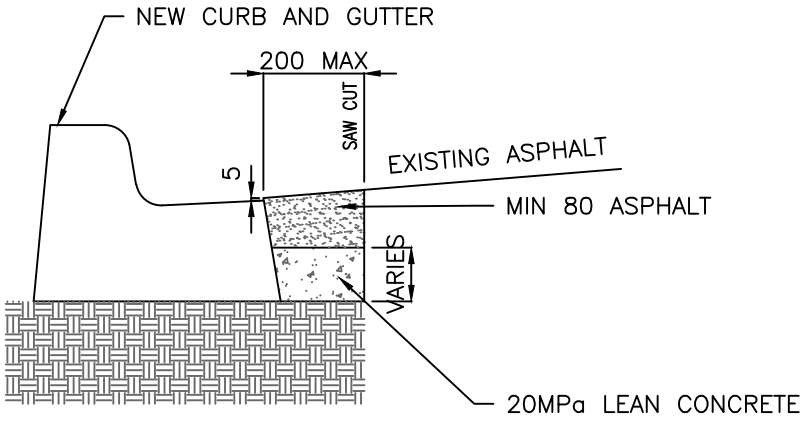
SCALE N.T.S.

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE JUNE 2015

DWG. No. 00-03-09




# CURB

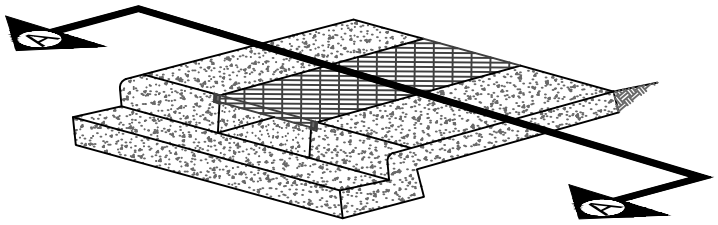



# CURB & GUTTER

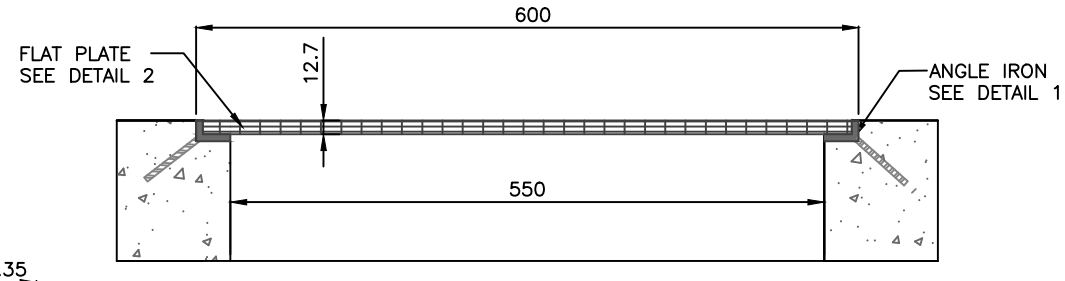
## NOTES

1. EDGE OF ASPHALT GUTTER PATCH TO BE SAWCUT
2. LEAN MIX COMPRESSIVE STRENGTH = 20MPa
3. TACK COAT REQUIRED ON LEAN MIX AND ADJOINING
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN INTERVALS OF 1500mm VERTICAL SURFACES PRIOR TO ASPHALT PATCHING.

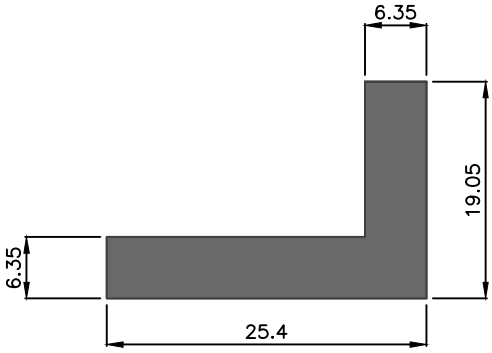
| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:06:16-06'00'<br>Jeffrey Da Silva |
| | | | GUTTER PATCH PAVING | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN R.REGNIER \| DESIGNED M. GAREAU \| DATE MAR. 2020 | DWG. No. 00–03–10 |



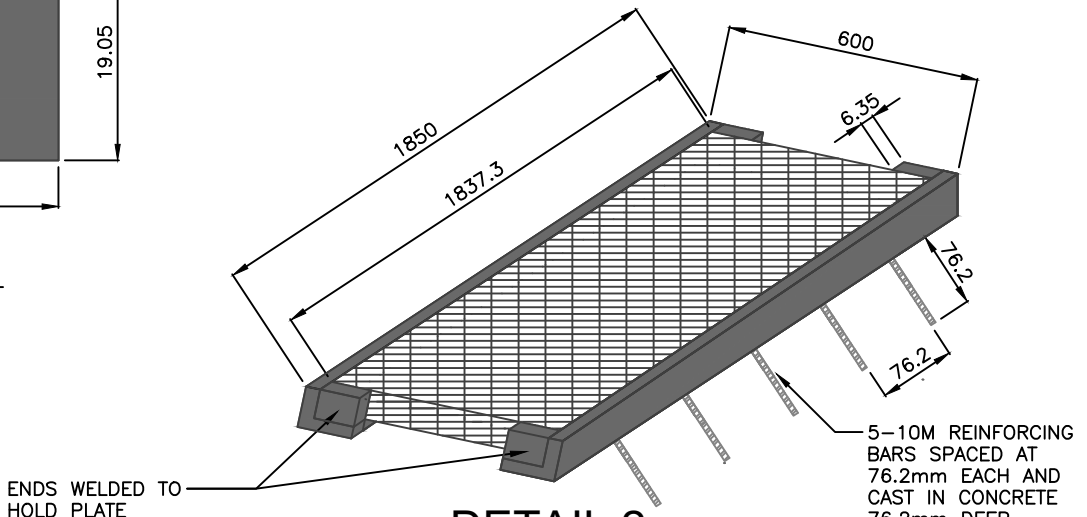
# TRENCH GRATE




## SECTION 'A-A'




## DETAIL 1




## DETAIL 2

## NOTES

1. APPLY GALVANIZED PRIMER, ZINC RICH, READY MIX TO CAN/CGSB-1.181
2. ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE STATED

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

CITY OF PRINCE ALBERT
PUBLIC WORKS

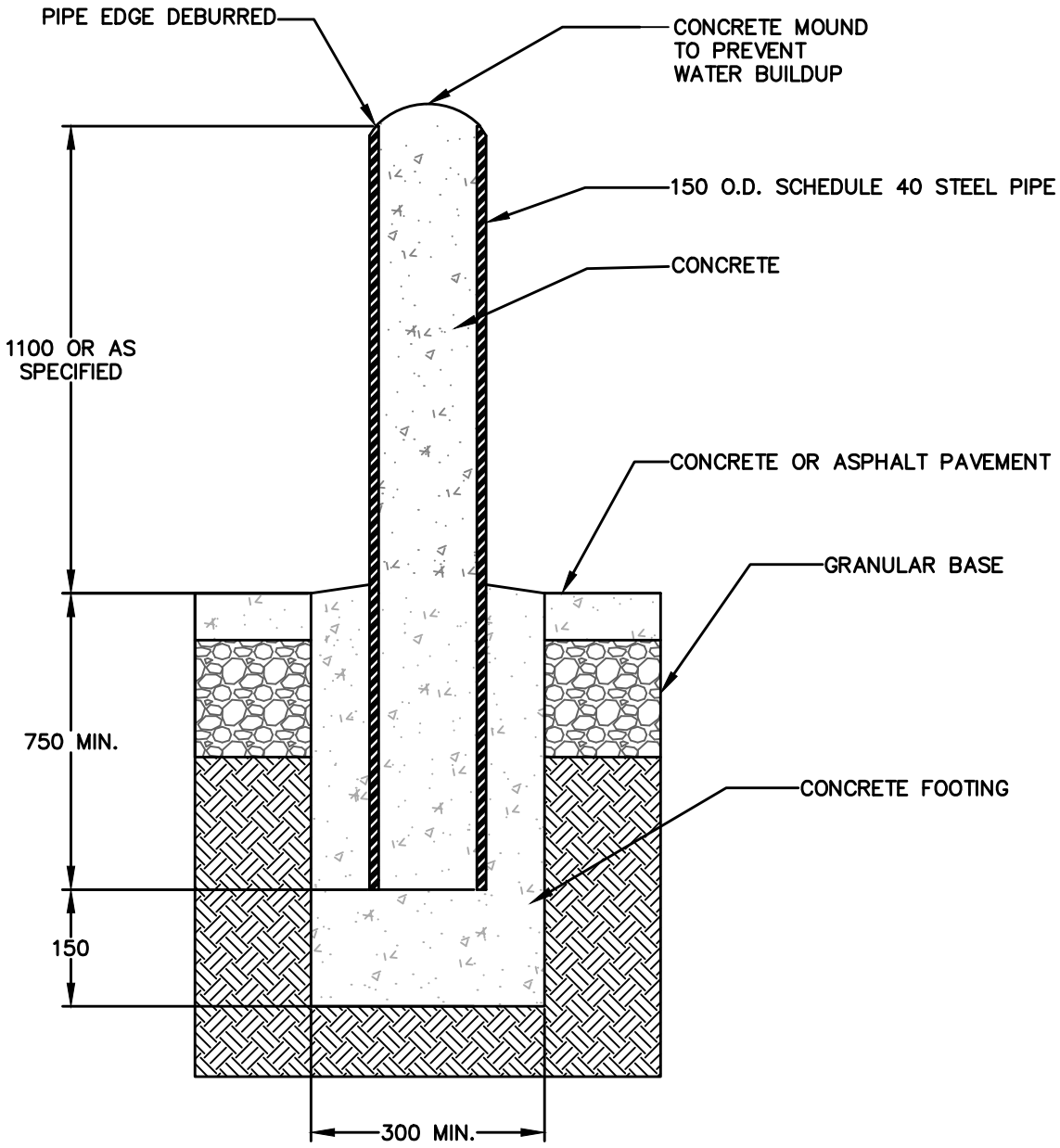
SIDEWALK TRENCH GRATE

APPROVED Wes Hicks

SCALE NTS

DRAWN R.REGNIER | DESIGNED M.GAREAU | DATE JULY 2019

DWG. No. 00-03-11




## NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. 150 O.D. SCHEDULE 40 STEEL PIPE
3. BOLLARD FINISHED WITH LATEX PRIMER AND TWO COATS OF FIRE HYDRANT RED METALLIC PAINT
4. ALL DIMENSIONS ARE GIVEN IN "mm" UNLESS OTHERWISE STATED

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

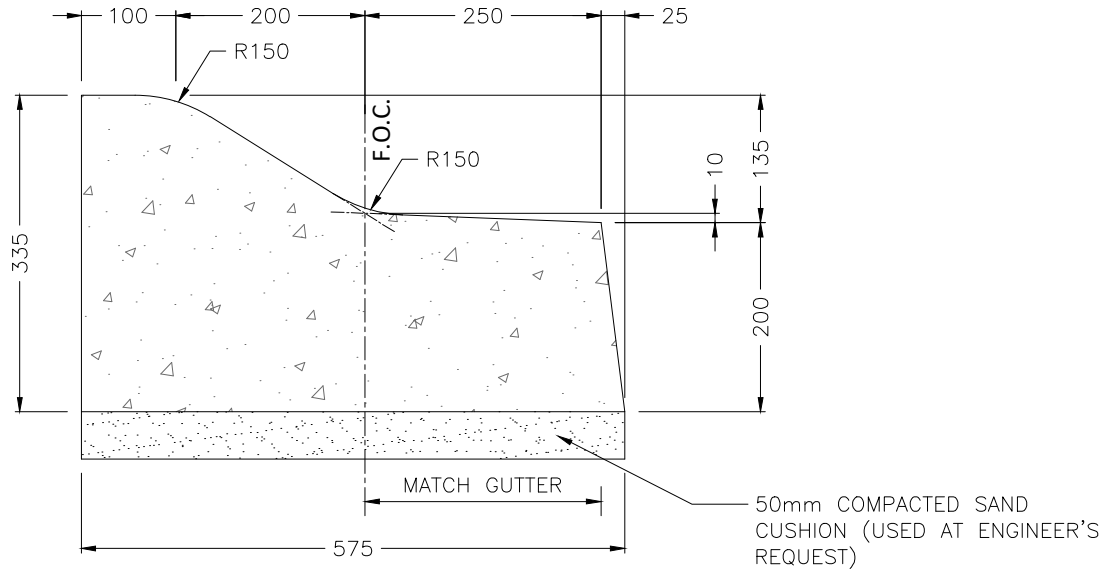
## STEEL BOLLARD FILLED WITH CONCRETE

APPROVED
Wes Hicks
CITY ENGINEER

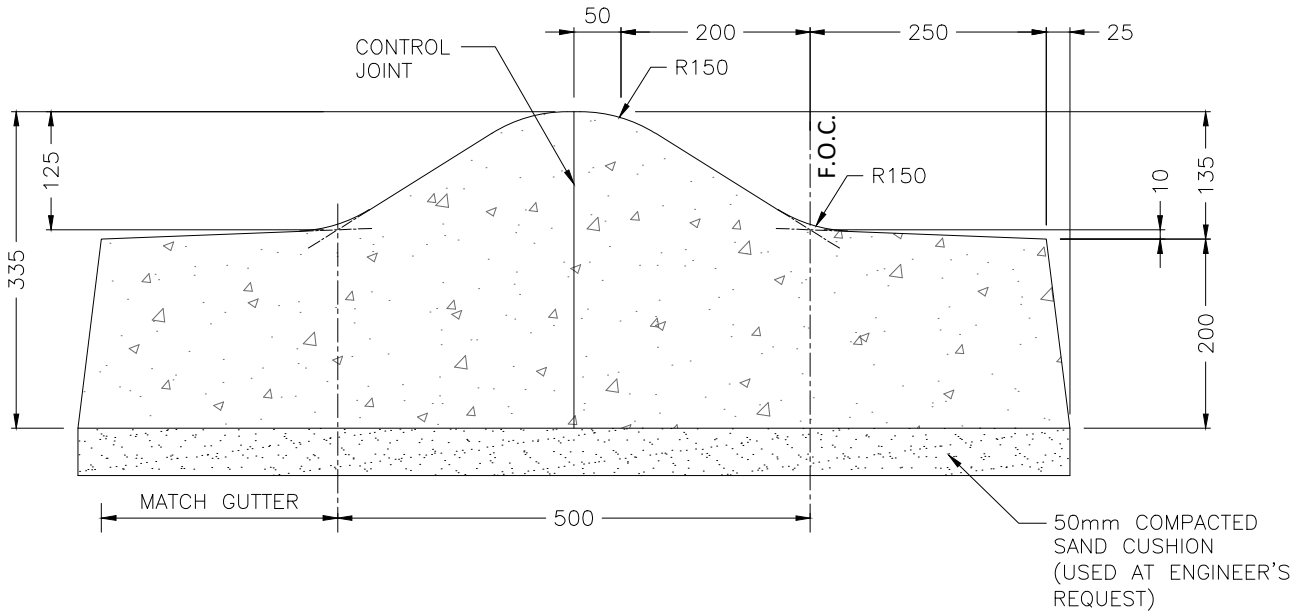
SCALE N.T.S.

DRAWN R.REGNIER | DESIGNED M.GAREAU | DATE AUGUST 2019

DWG. No. 00-03-12




## 125mm SEMI-MOUNTABLE CURB & REVERSED GUTTER




## 500mm WIDE SEMI-MOUNTABLE MEDIAN

### NOTES

1. CONCRETE COMPRESSIVE STRENGTH = 32 MPa
2. MAXIMUM AGGREGATE SIZE = 20mm
3. MAXIMUM SLUMP = 75mm
4. CONTRACTION JOINTS SHALL BE CONSTRUCTED @ INTERVALS OF 1.5m WITH GROOVES APPROX. 3mm IN WIDTH AND SHALL EXTEND 1/4 THE DEPTH OF THE STRUCTURE
5. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ALL CROSSINGS AT INTERVALS OF 4m OR AT THE CENTRE OF CROSSINGS 6m OR LESS IN WIDTH

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

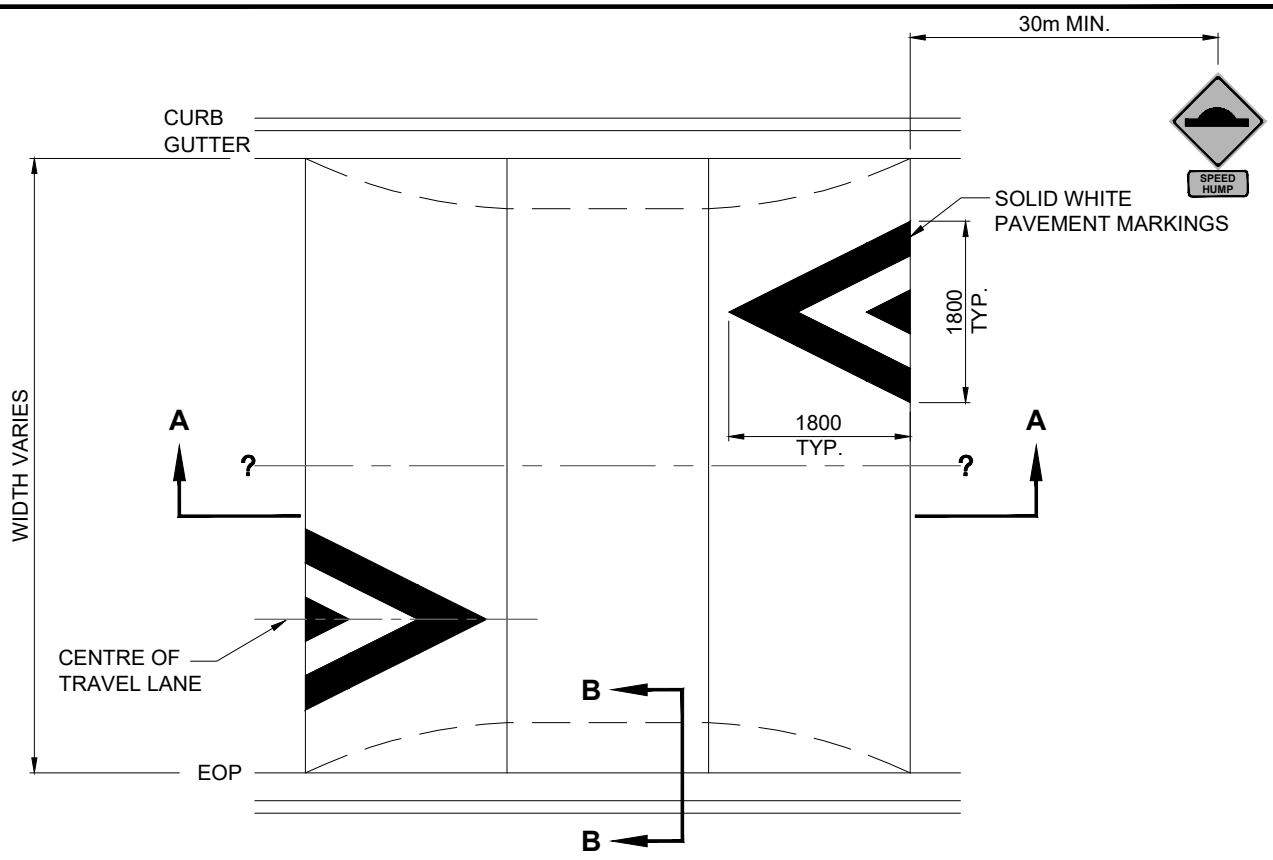
## 125mm SEMI-MOUNTABLE CURB AND MEDIAN

DRAWN V. SAWCHUK | DESIGNED M. GAREAU | DATE JAN 2021

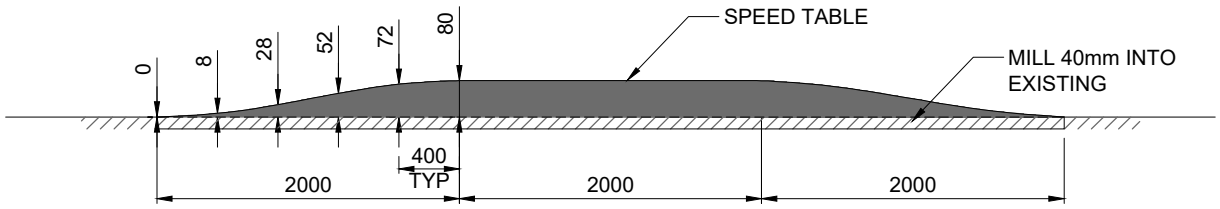
APPROVED
Jeffrey Da Silva
Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:06:28-06'00'

SCALE N.T.S.

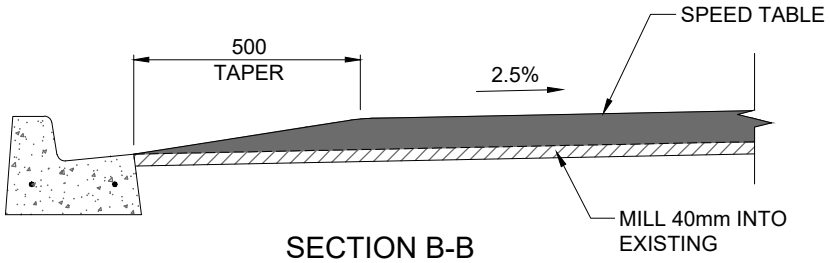
DWG. No. 00–03–13




SPEED TABLE




SECTION A-A




SECTION B-B

NOTES

1. ALL MATERIAL THICKNESS ARE AFTER COMPACTION
2. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS
3. TOLERANCE FOR CONSTRUCTION IS +/- 10mm RELATIVE TO THE CURVE.
4. THE EXISTING ASPHALT SURFACE TO BE MILLED TO A DEPTH OF 40mm WHEN RETROFITTING.
5. ALL DIMENSIONS ARE IN MILLIMETRES.

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## SPEED TABLE

APPROVED

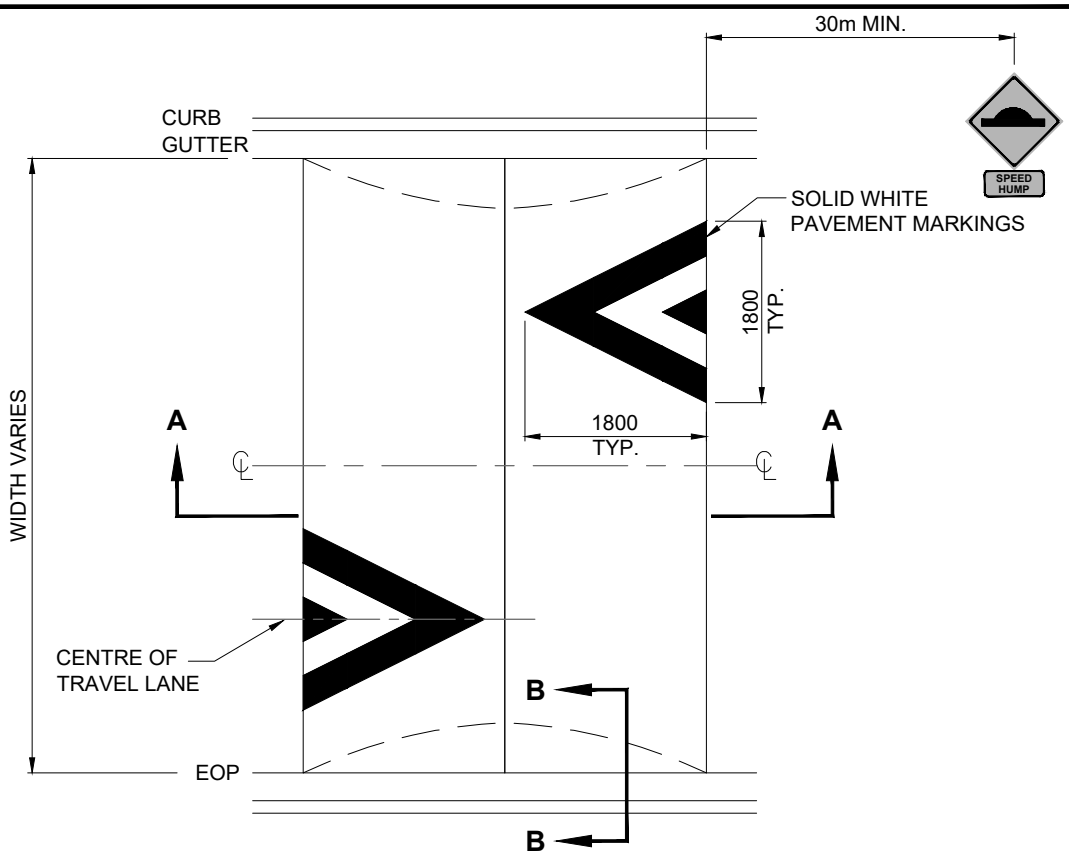
Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:06:57-06'00'

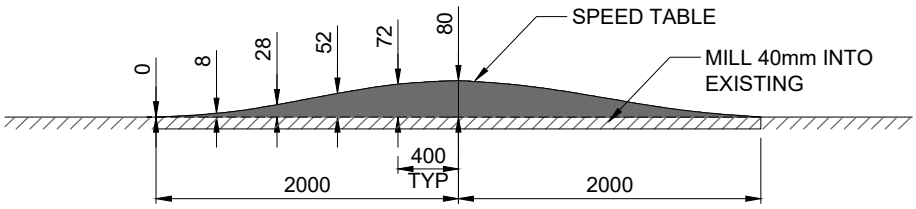
SCALE NTS

DRAWN V. SAWCHUK | DESIGNED | DATE JULY 2023

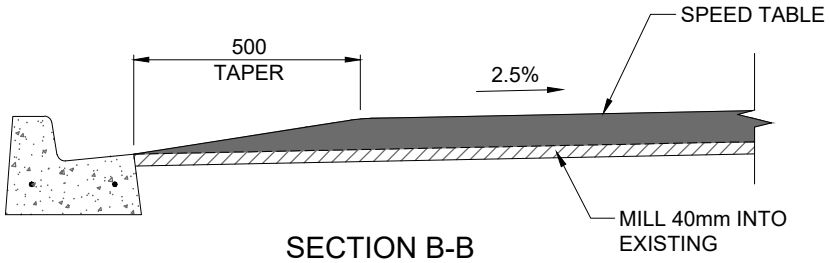
DWG. No. 00-03-15




SPEED TABLE




SECTION A-A




SECTION B-B

NOTES

1. ALL MATERIAL THICKNESS ARE AFTER COMPACTION
2. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS
3. TOLERANCE FOR CONSTRUCTION IS +/- 10mm RELATIVE TO THE CURVE.
4. THE EXISTING ASPHALT SURFACE TO BE MILLED TO A DEPTH OF 40mm WHEN RETROFITTING.
5. ALL DIMENSIONS ARE IN MILLIMETRES.

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## SPEED TABLE - LOCAL

APPROVED

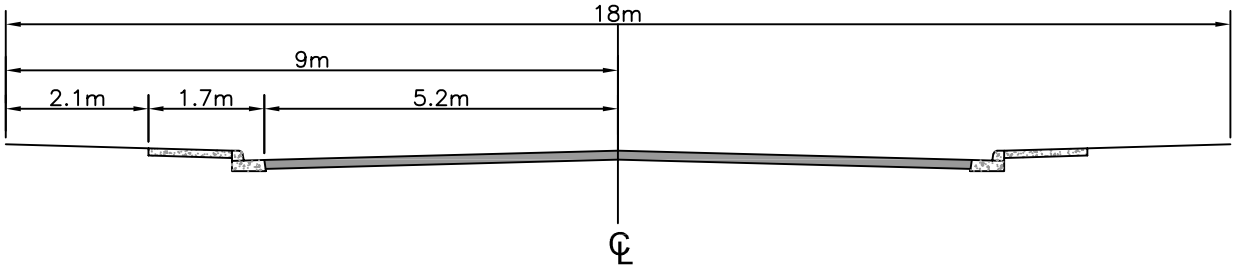
Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:07:05-06'00'

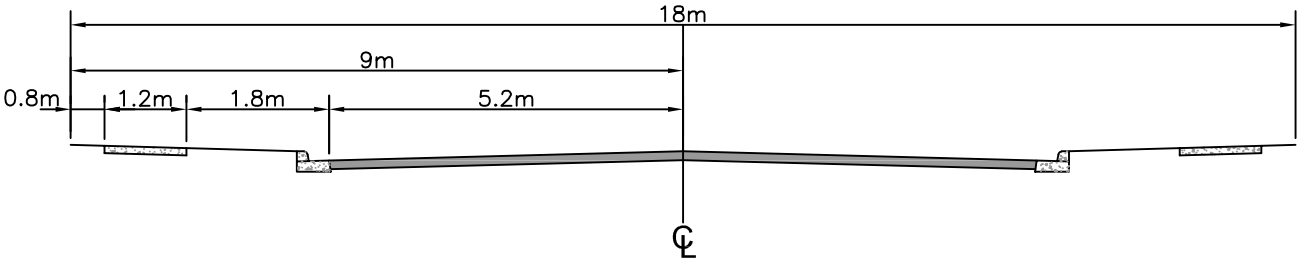
SCALE NTS

DRAWN V. SAWCHUK | DESIGNED | DATE NOV 2022

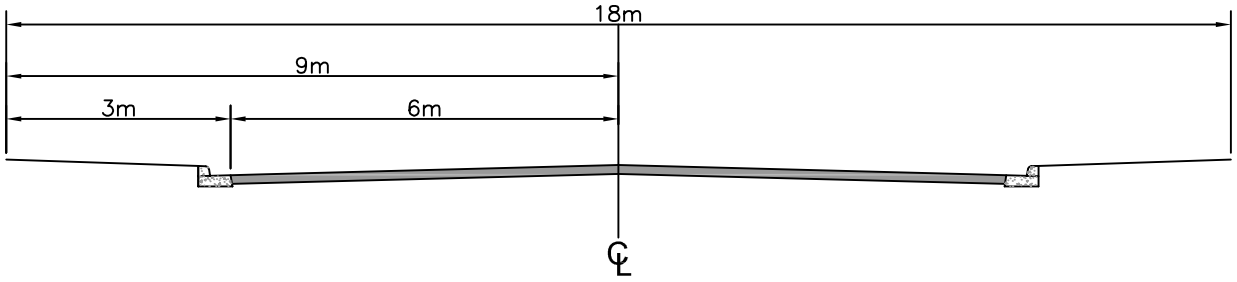
DWG. No. 00-03-16




18m RIGHT OF WAY
RESIDENTIAL COMBINED WALK




18m RIGHT OF WAY
RESIDENTIAL SEPARATE WALK




18m INDUSTRIAL RIGHT OF WAY

## NOTES

1. DRIVING LANES – RESIDENTIAL 3.0m; INDUSTRIAL 3.5m
2. PARKING LANES – RESIDENTIAL AND INDUSTRIAL 2.5m
3. CROSS SLOPE – RESIDENTIAL 2.7%; INDUSTRIAL 2.5%

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | 1/2025 | DIMENSION REVISED TO GUTTER LIP |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## 18m RIGHT OF WAY

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

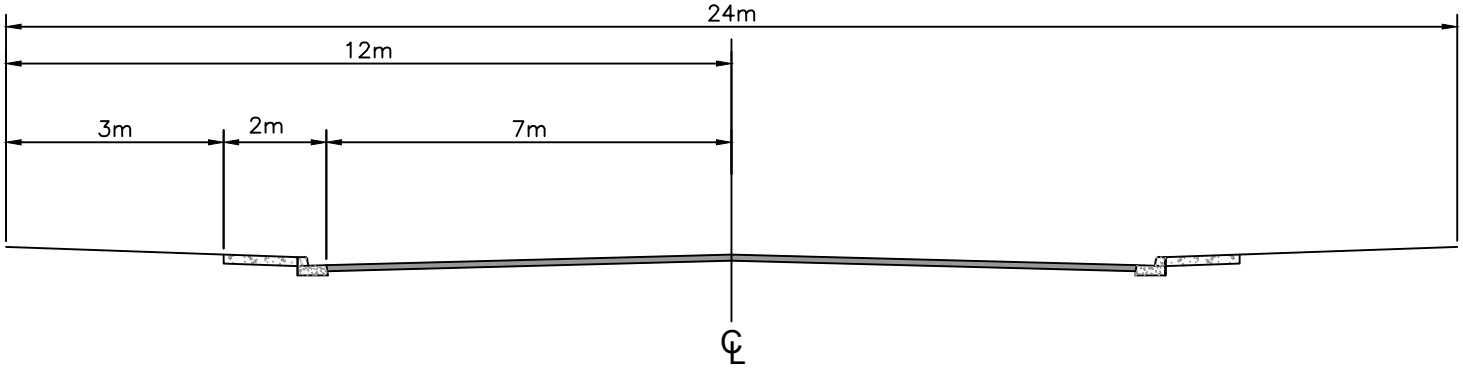
APPROVED

Jeffrey Da Silva

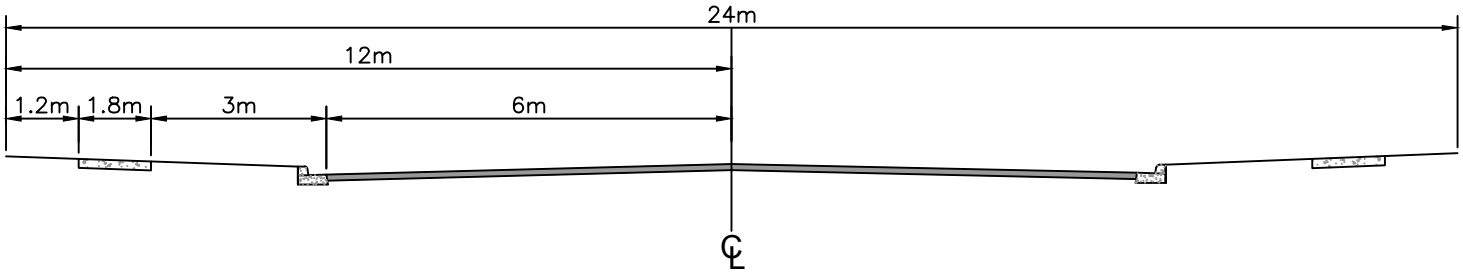
Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:07:19-06'00'

SCALE N.T.S.

DWG. No. 00–04–01




24m RIGHT OF WAY COMBINED WALK

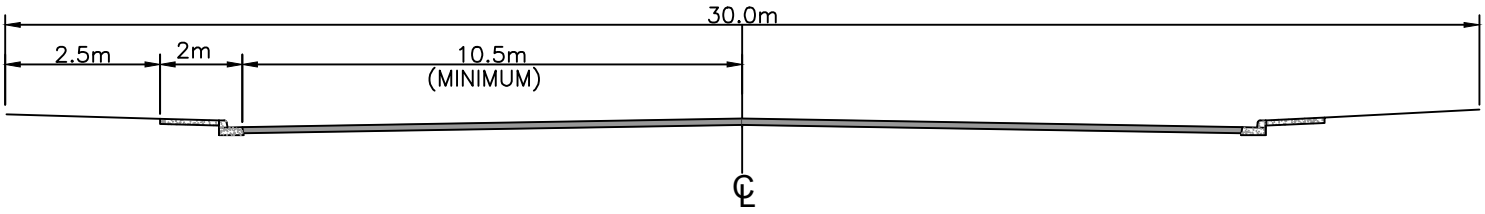



24m RIGHT OF WAY SEPARATE WALK

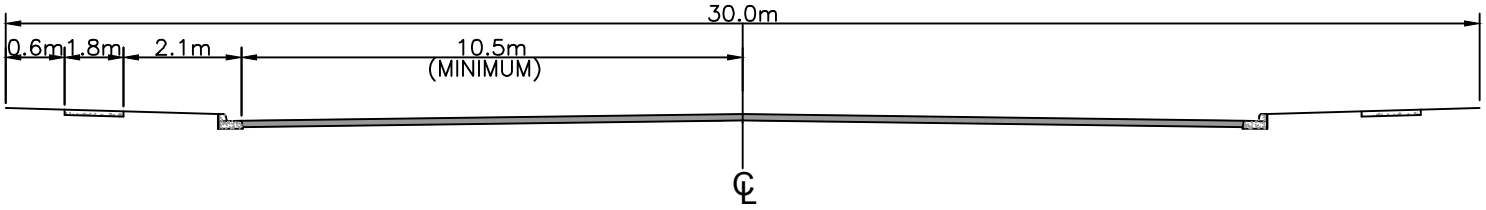
## NOTES

1. DRIVING LANES 3.50m
2. PARKING LANES 3.50m
3. CROSS SLOPE MINIMUM 2.5%

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva DN: C=CA, E=jdasilva@cityba.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva Location: MSC Reason: I am approving this document Date: 2025.02.13 13:07:30-06'00' |
| | | | 24m COLLECTOR<br>RIGHT OF WAY | SCALE N.T.S. |
| 1 | 1/2025 | DIMENSION REVISED TO GUTTER LIP | | |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–04–02 |




30m RIGHT OF WAY COMBINED WALK




30m RIGHT OF WAY SEPARATE WALK

## NOTES

1. DRIVING LANES 3.50m
2. PARKING LANES 3.50m
3. CROSS SLOPE MINIMUM 2.5%

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | 1/2025 | DIMENSION REVISED TO GUTTER LIP |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

## 30m ARTERIAL RIGHT OF WAY

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

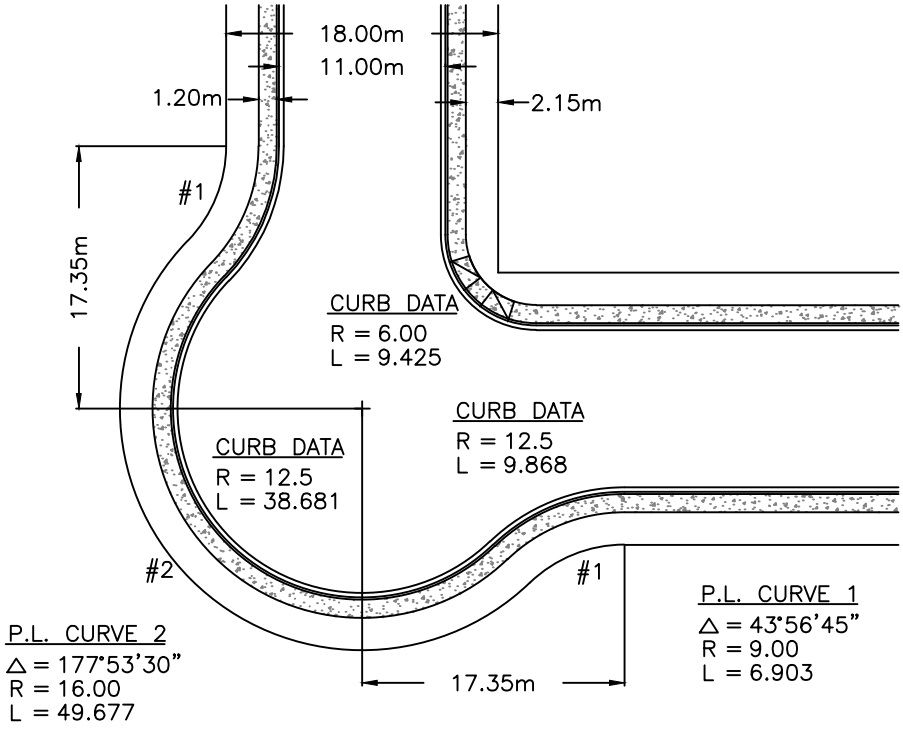
APPROVED

Jeffrey Da Silva

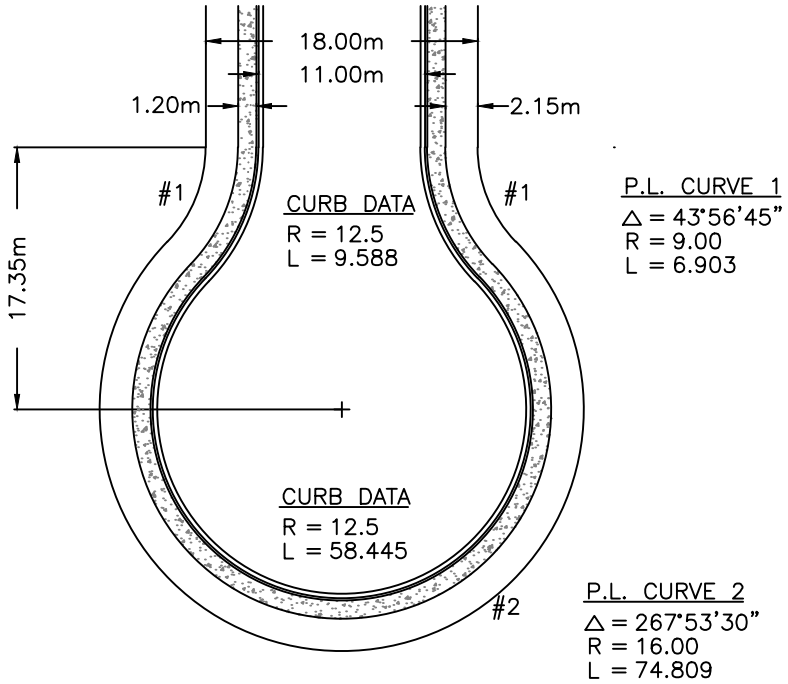
Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:07:51-06'00'

SCALE N.T.S.

DWG. No. 00–04–03

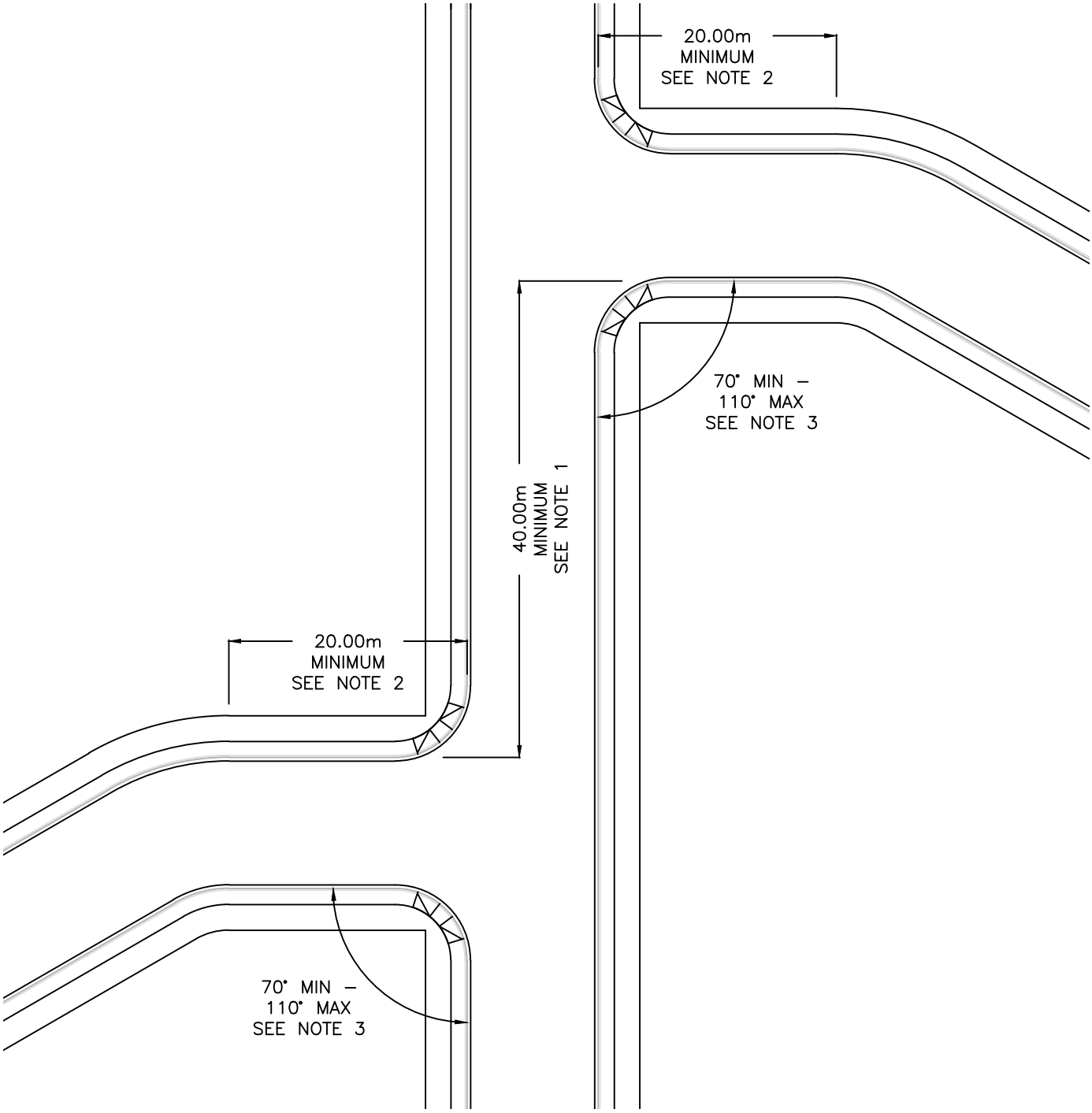



TYPICAL CRESCENT DESIGN - COMBINED WALK




TYPICAL CUL-DE-SAC DESIGN - COMBINED WALK

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Digitally signed by Jeffrey Da Silva<br>DN: CC=CA, [illegible], O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:08:03-06'00'<br>Jeffrey Da Silva |
| | | | RESIDENTIAL CRESCENT AND CUL-DE-SAC DESIGN | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–04–04 |




## NOTES

TO PREVENT DIFFICULT MANOEUVRES AND UNSAFE CONDITIONS:

1. OFFSET DISTANCE BETWEEN INTERSECTIONS SHALL BE NOT LESS THAN 40.0m.
2. TANGENT DISTANCE FROM AN INTERSECTION TO THE FIRST CURVE SHALL BE NOT LESS THAN 20.0m
3. TANGENT ANGLE OF APPROACH TO AN INTERSECTION SHALL BE NOT LESS THAN 70° AND NOT MORE THAN 110°.

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## OFFSET INTERSECTION CONFIGURATION - LOCAL ROADS

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED

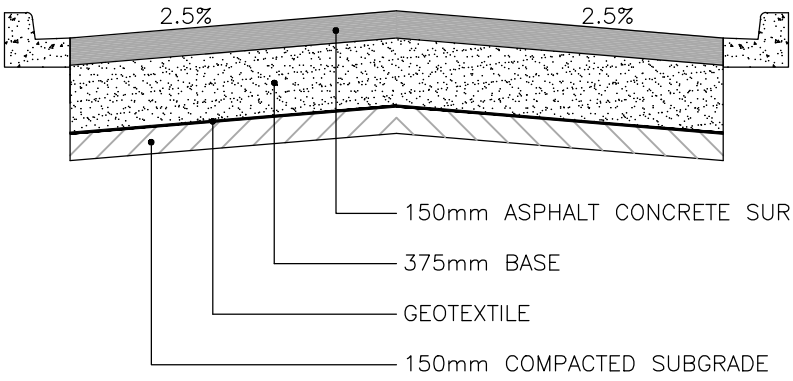
Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: C=CA, E=[redacted]@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:08:12 06'00'

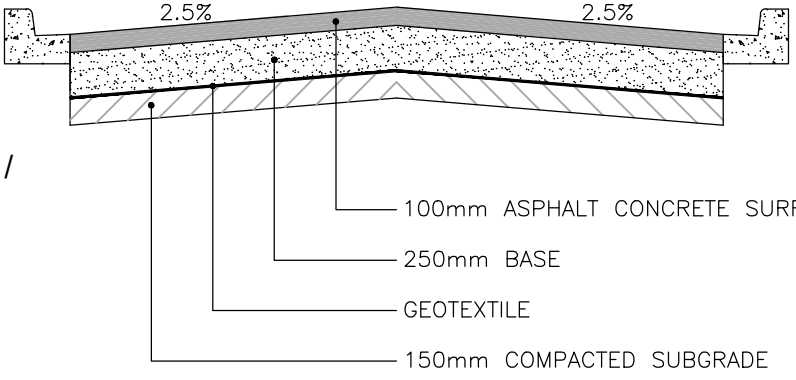
SCALE N.T.S.

DWG. No. 00–04–05

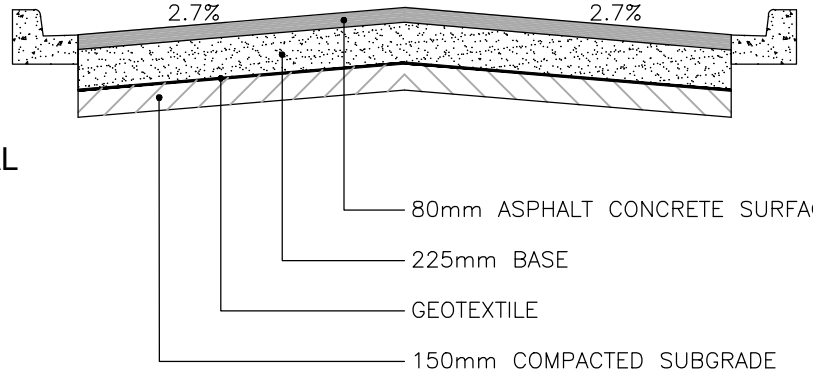
## ARTERIAL




## COLLECTOR / INDUSTRIAL




## RESIDENTIAL




## NOTES

1. ALL MATERIAL THICKNESS ARE AFTER COMPACTION
2. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | JUN. 2016 | GRADES ADDED, THICKNESSES PROPORTIONED |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

REHABILITATED PAVED ROADWAY STRUCTURE

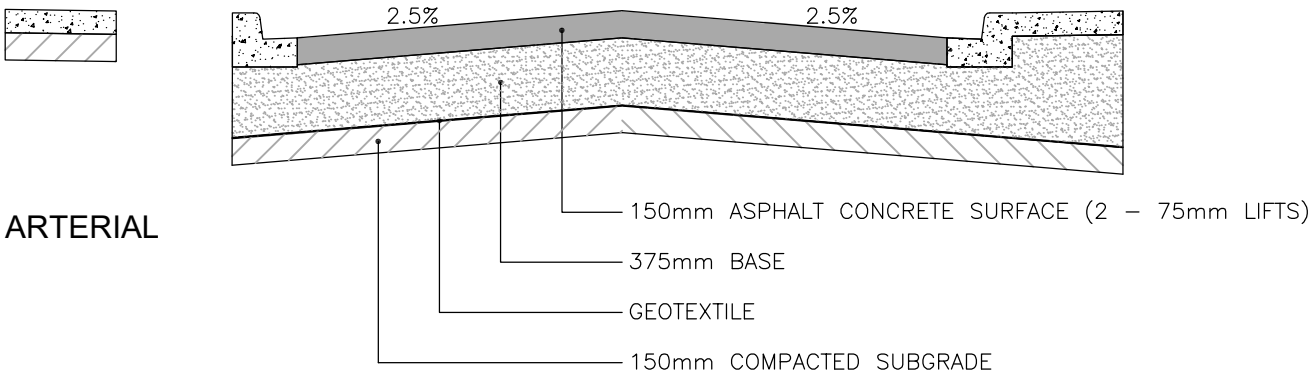
DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED Wes Hicks

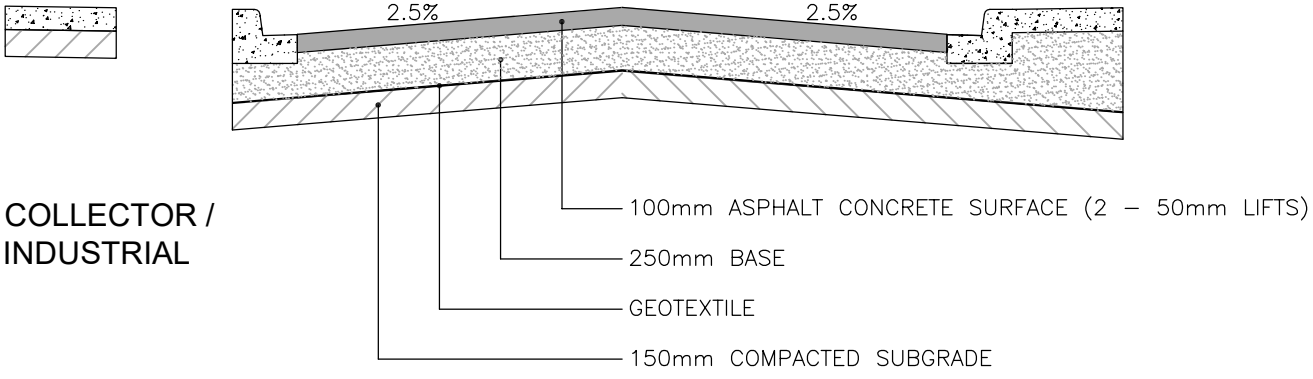
SCALE N.T.S.

DWG. No. 00–04–06

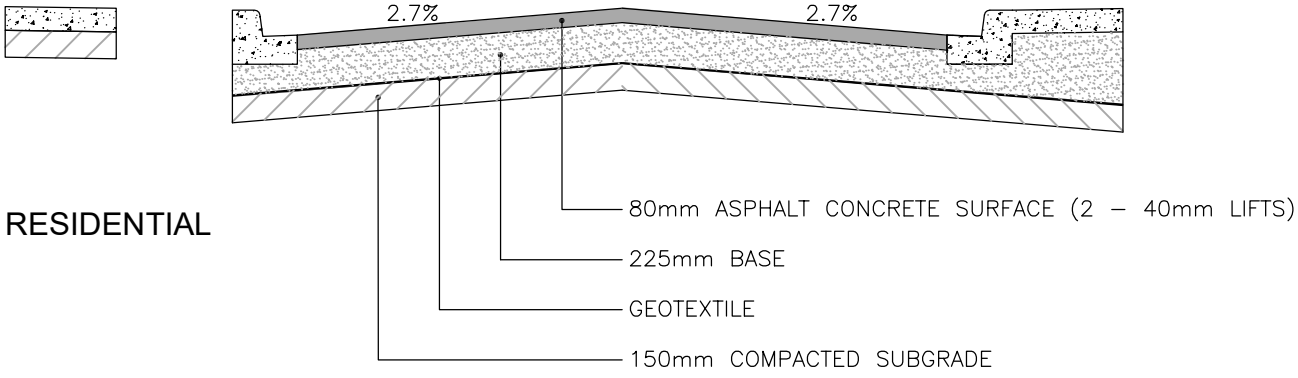
## ARTERIAL




## COLLECTOR / INDUSTRIAL




## RESIDENTIAL

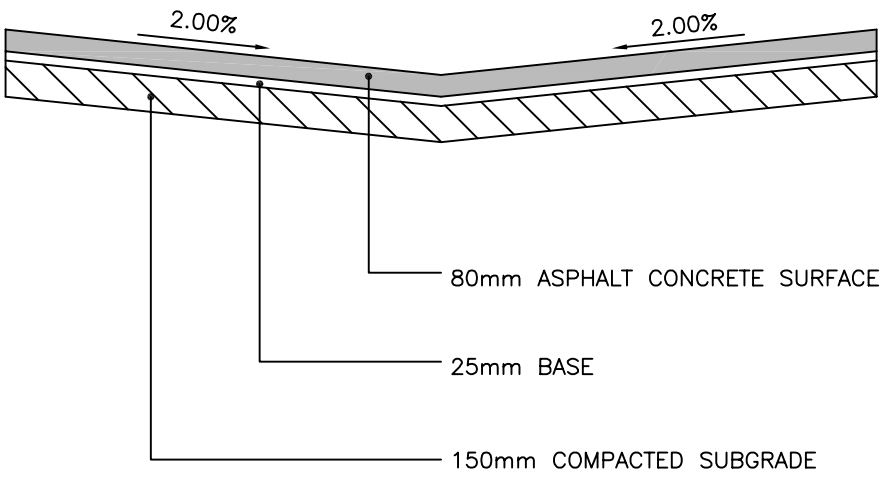



## NOTES

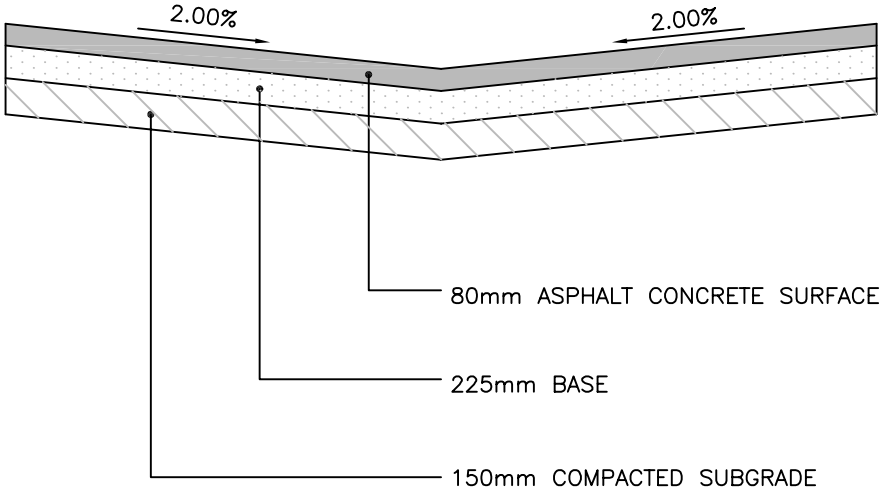
1. ALL MATERIAL THICKNESS ARE AFTER COMPACTION
2. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Wes Hicks |
| | | | NEW CONSTRUCTION PAVED ROADWAY STRUCTURE | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN L. ZHANG / DESIGNED N. MILLER / DATE JUN. 2016 | DWG. No. 00–04–06A |

## OPTION #1




## OPTION #2




## NOTES

1. OPTION #1 MAY ONLY BE USED IF THE LANE IS EXISTING AND THE STRUCTURE IS SUITABLE FOR PAVING
2. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS
3. ALL MATERIAL THICKNESSES ARE AFTER COMPACTION

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | 1/21/2025 | ASPHALT AND BASE THICKNESS UPDATE |
| 1 | 13/6/2018 | SURFACE REPAIR CLARIFICATIONS |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## LANE PAVEMENT STRUCTURES

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED

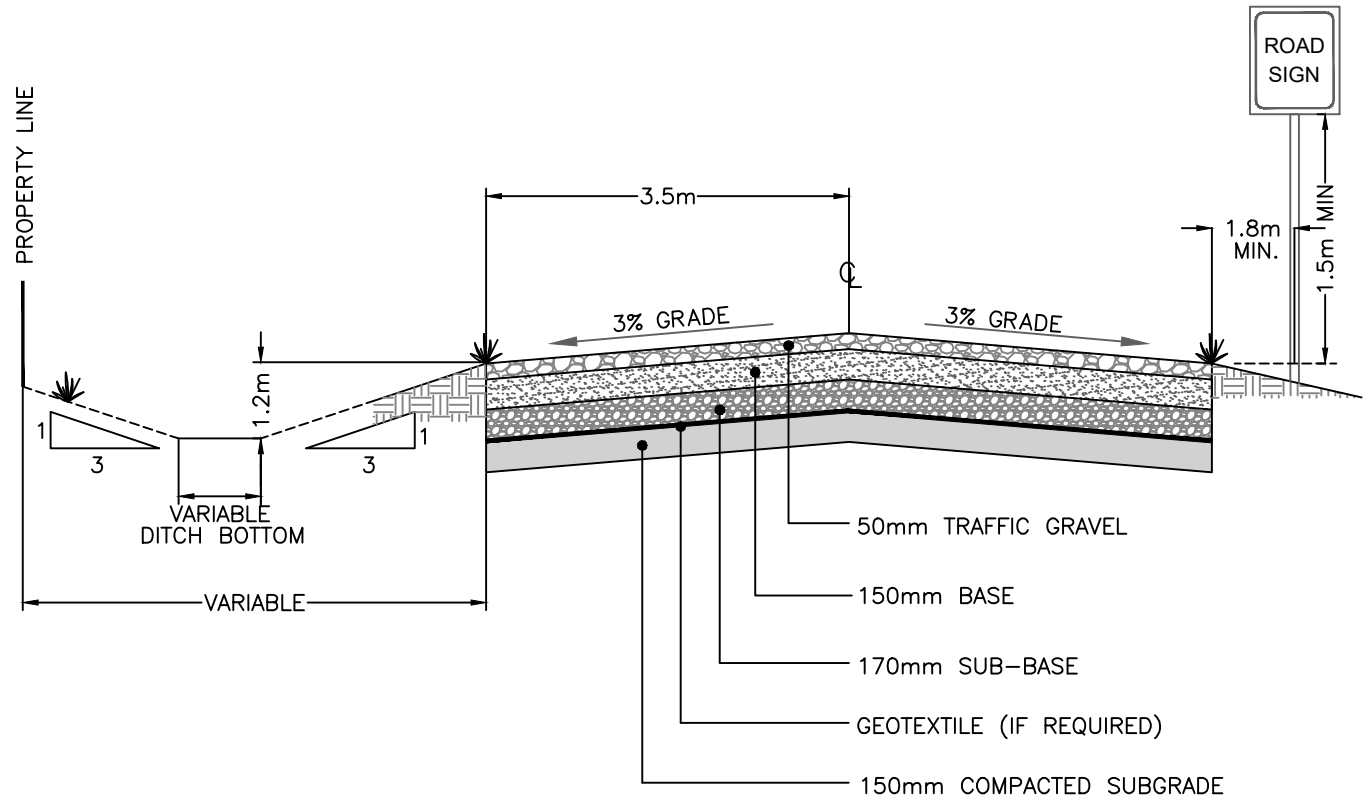
Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: C=CA, [illegible], O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:08:25-06'00'

SCALE N.T.S.

DWG. No. 00–04–07

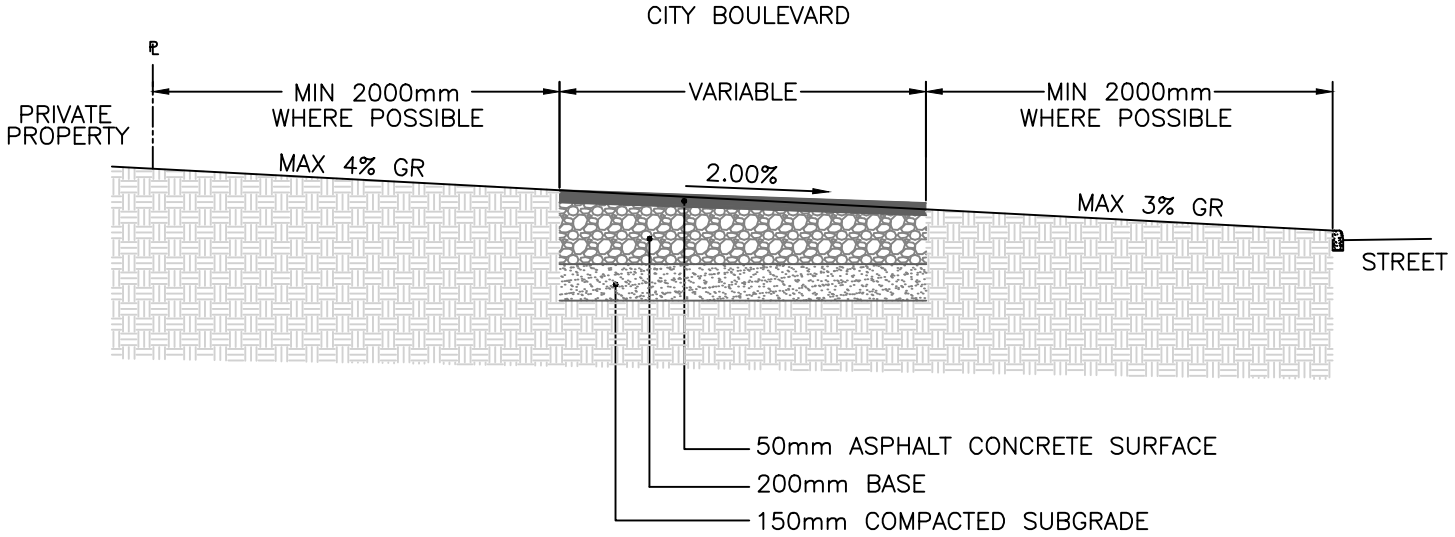
## COUNTRY RESIDENTIAL SUBDIVISIONS




## NOTES

1. CONTRACTOR RESPONSIBLE FOR BLENDING DITCHES TO MATCH EDGE OF PROPERTY LINE
2. DEVELOPER TO SUBMIT COMPACTION TESTS AND WASH SIEVE ANALYSIS TO THE CITY
3. GEOTEXTILE REQUIRED IF SOFT/ORGANIC SUBGRADES ARE ENCOUNTERED
4. ALL MATERIALS TO COMPLY WITH THE CITY OF PRINCE ALBERT MASTER SPECIFICATIONS
5. ALL MATERIAL THICKNESSES ARE AFTER COMPACTION

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva<br>E=jdasilva@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:08:35-06'00' |
| | | | GRANULAR SURFACING STRUCTURE | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–04–08 |




## NOTES

1. PATH WIDTH: RECREATIONAL PATHWAYS 1.5m AND MULTI–USE PATHWAYS 3.0m
2. WHERE SPACE PERMITS, HORIZONTAL ALIGNMENT MAY UNDULATE TO INCORPORATE AESTHETICAL CURVES AND/OR LANDSCAPING
3. TRAFFIC CONTROL SIGNAGE, BOLLARDS, BENCHES, AND/OR DOGGY BAGS MAY BE ADDED AT DESIGNER'S DISCRETION IN ACCORDANCE WITH REQUIREMENTS
4. VERTICAL CURVES/GRADES AND CROSS–SLOPES DETERMINED BY LOCAL TOPOGRAPHY
5. ALL MATERIALS TO COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | 11/6/2018 | SURFACE REPAIR CLARIFICATIONS |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## TYPICAL PATHWAY STRUCTURES

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

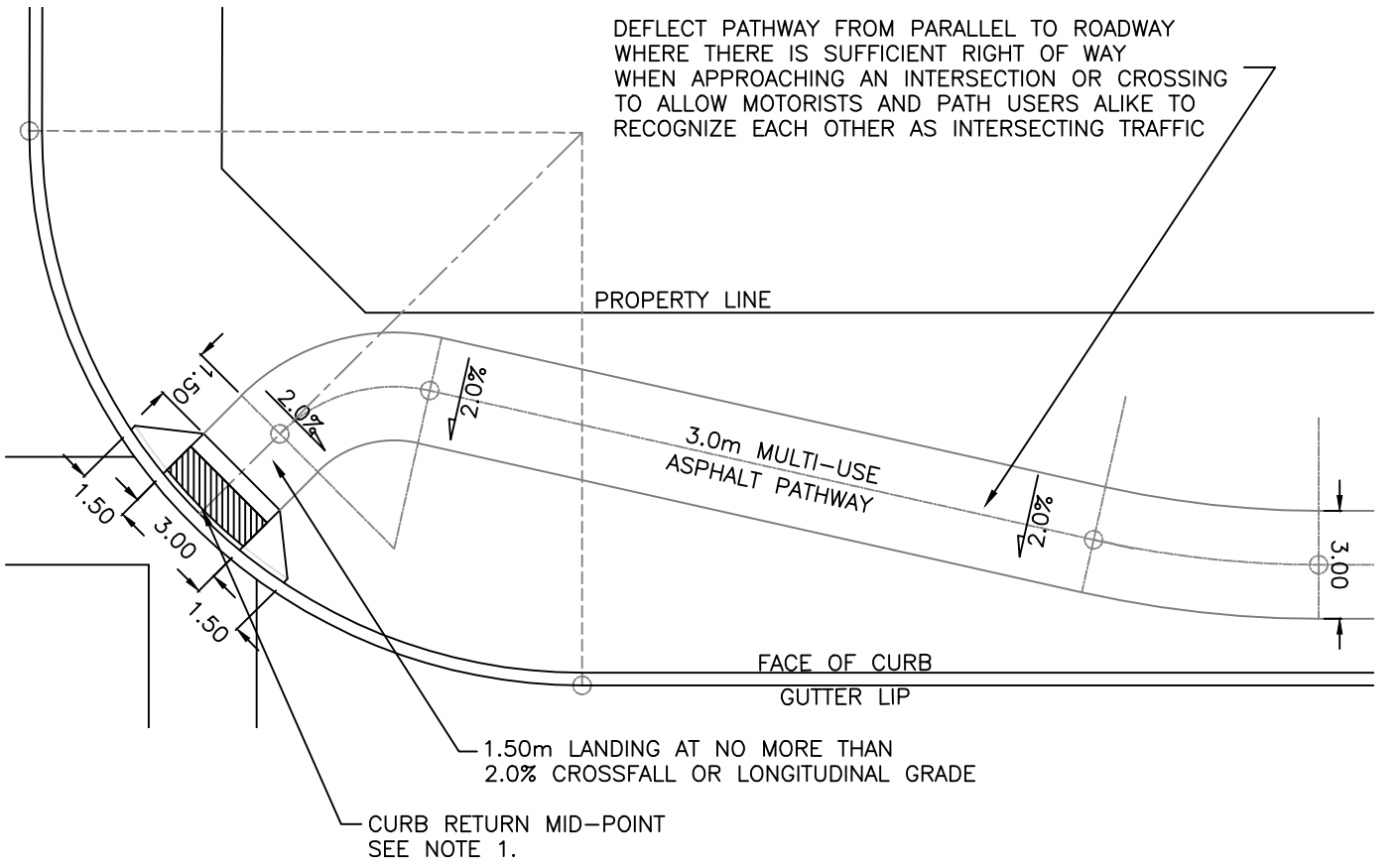
APPROVED

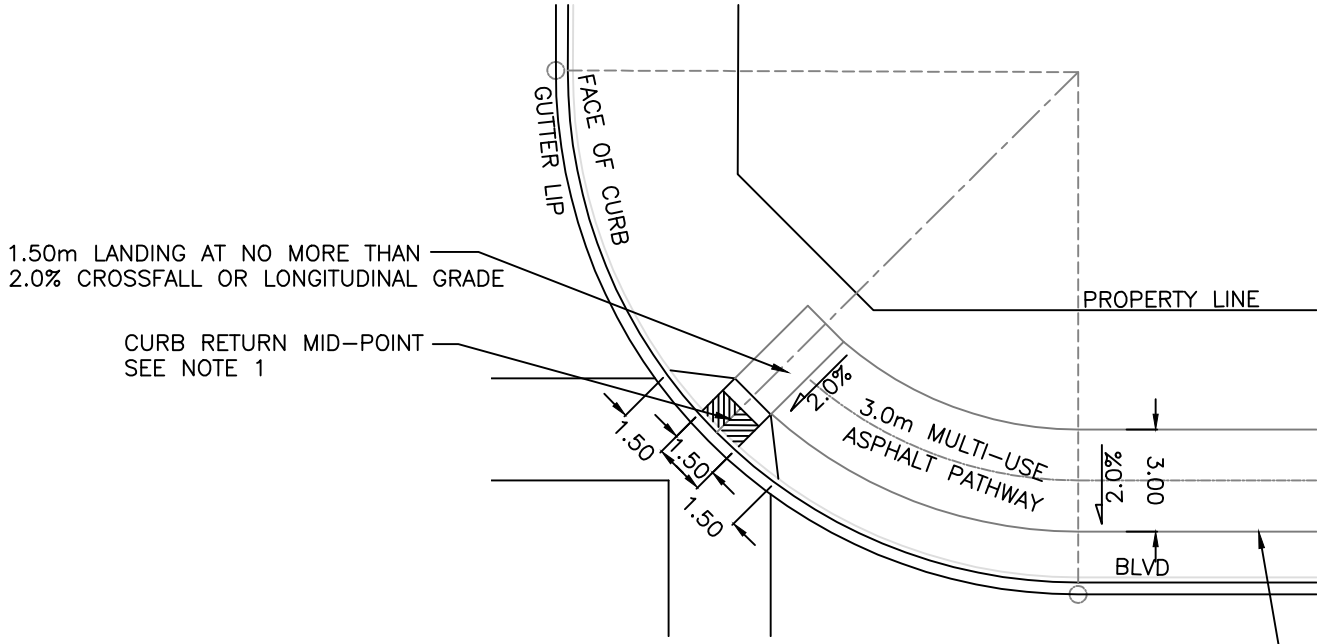
Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: cn=Jeffrey Da Silva, o=City of Prince Albert, ou=Public Works, email=JDASILVA@citypa.ca
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:08:44-06'00'

SCALE N.T.S.

DWG. No. 00–04–09




## NOTES

1. DETECTABLE WARNING SURFACE SHALL BE AT LEAST 900mm LONG AND OF A TEXTURE THAT CONTRASTS SURROUNDING WALKING SURFACES.
2. WARNING SURFACE SHALL BE SLIP RESISTANT AND HAVE A SMOOTH TRANSITION WITH ADJACENT SURFACES.

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## MULTI-USE TRAIL PATHWAY RAMP CONFIGURATIONS

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

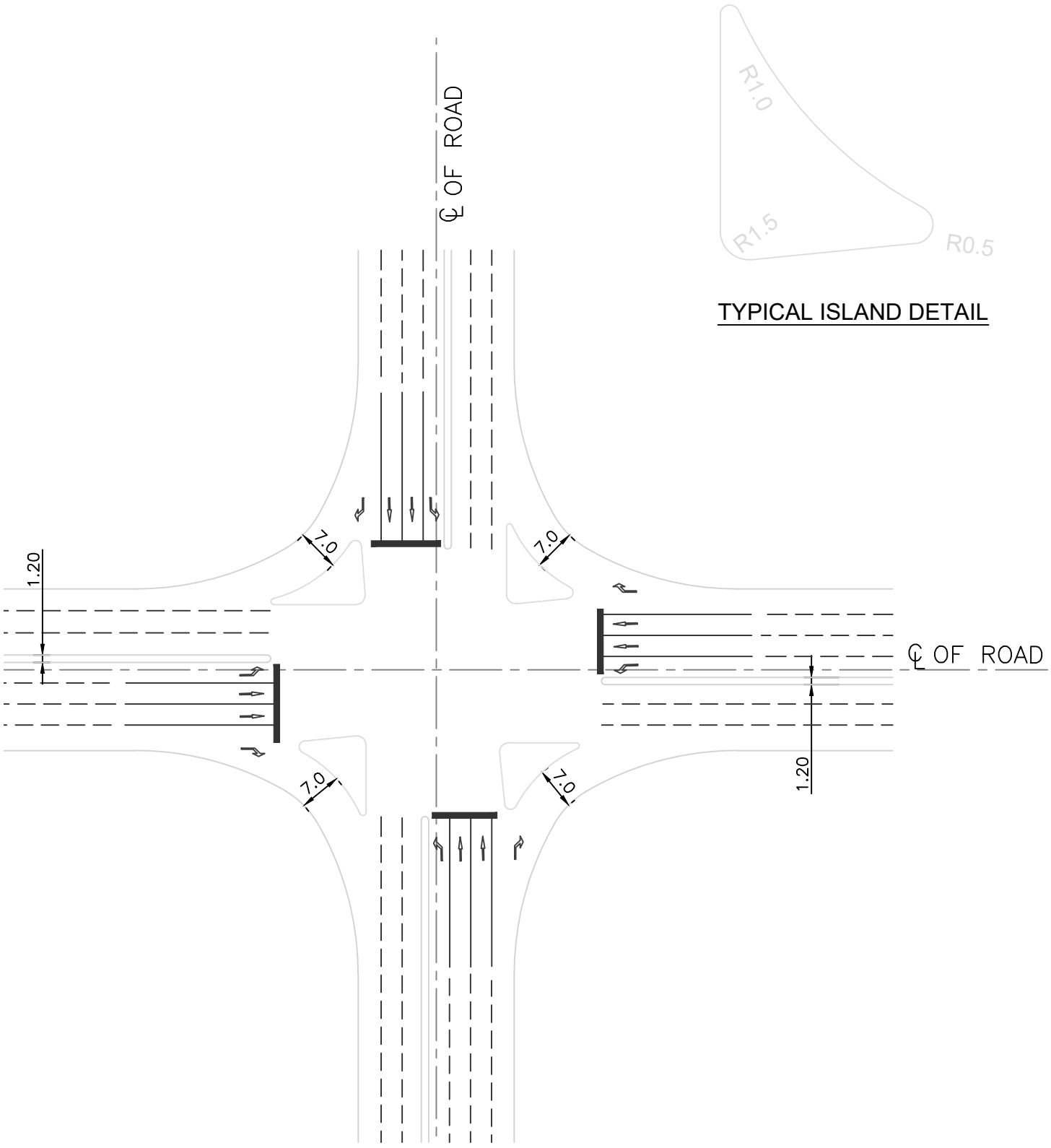
APPROVED

Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:08:54-06'00'

SCALE N.T.S.

DWG. No. 00-04-10

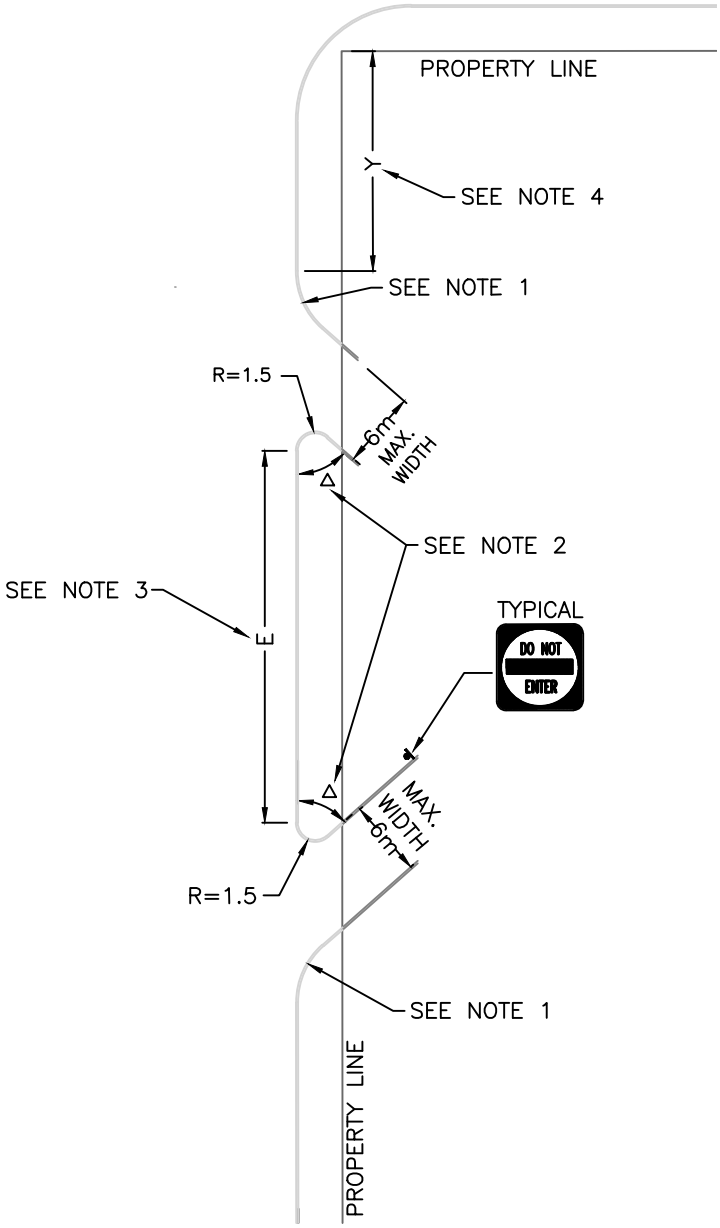



TYPICAL INTERSECTION




TYPICAL ISLAND DETAIL

| | | | | | |
|---|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:09:04-06'00' | |
| | | | TYPICAL ISLAND DESIGN | | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | | DWG. No. 00–04–11 |

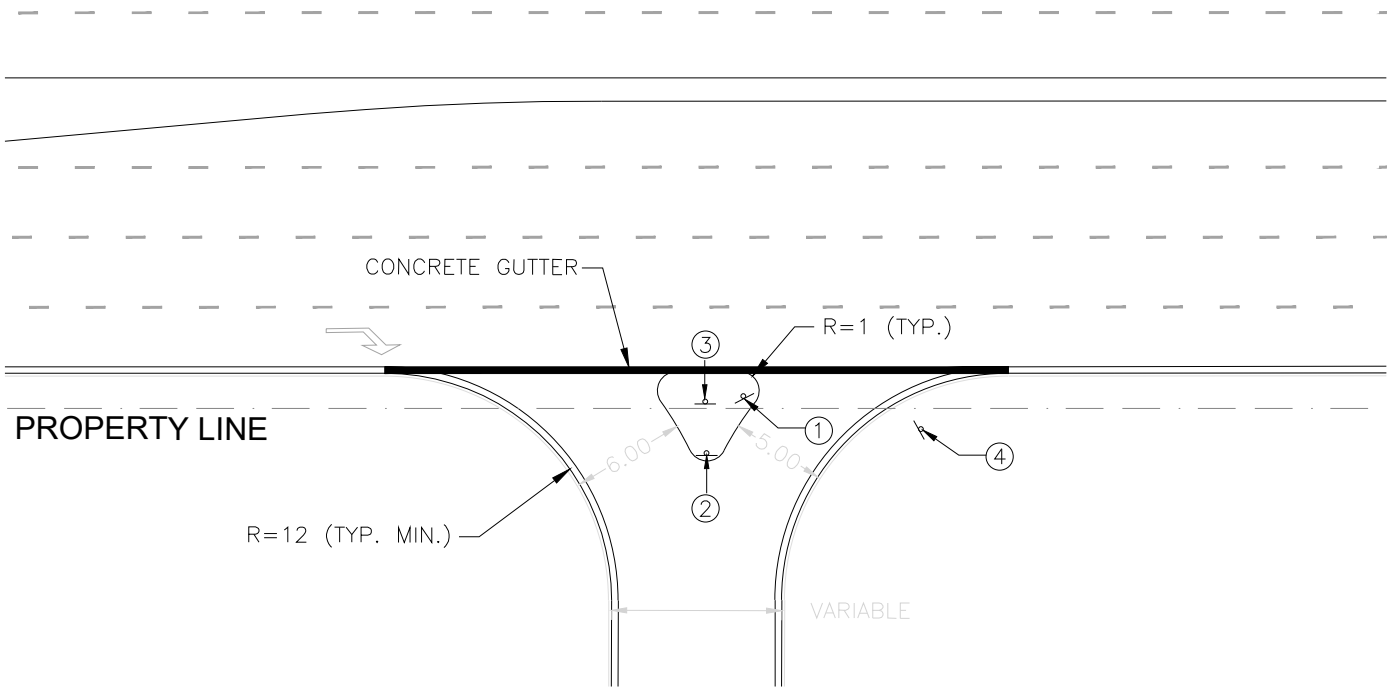


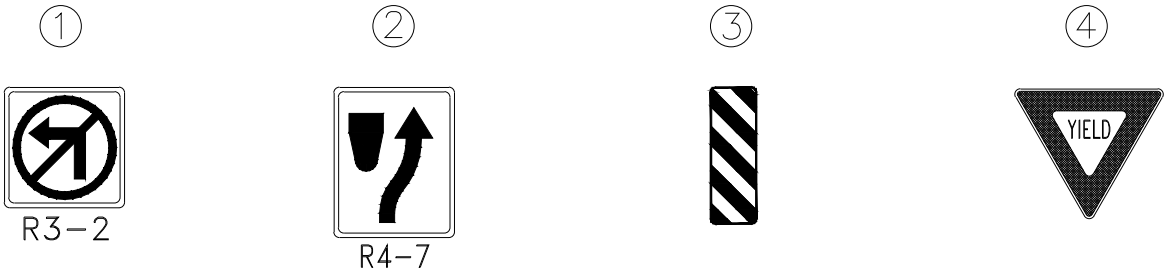

RIGHT IN or RIGHT OUT ONLY CROSSING

## NOTES

1. RADIUS 4.5m TO 12m FOR COMMERCIAL CROSSING
   RADIUS 6.0m TO 15m FOR INDUSTRIAL CROSSING
2. Δ 60° TO 70° FOR COMMERCIAL CROSSING
   45° TO 60° FOR INDUSTRIAL CROSSING
   MINIMUM ANGLE OF 70° WHERE PEDESTRIANS ROUTINELY CROSS
3. MINIMUM 25m BETWEEN DRIVEWAYS
4. MINIMUM 30m

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva<br>DN: C=CA, E=jdasilva@citypa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:09:13-06'00' |
| | | | TYPICAL RIGHT IN OR RIGHT OUT ONLY CROSSING DETAIL | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–04–12 |




R3-2

R4-7

## NOTES

1. MINIMUM ISLAND RADIUS = 1m
2. LIGHT VEHICLE USAGE, MINIMUM RIGHT IN/RIGHT OUT LANE WIDTH = 5m
3. HEAVY VEHICLES USAGE, MINIMUM LANE WIDTH = 7m
4. OFFSET FROM LANE EDGE MAY BE GREATER DEPENDING ON DRAINAGE

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
## PUBLIC WORKS

## TYPICAL RIGHT IN RIGHT OUT ISLAND DEDICATED AUXILARY LANE

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED

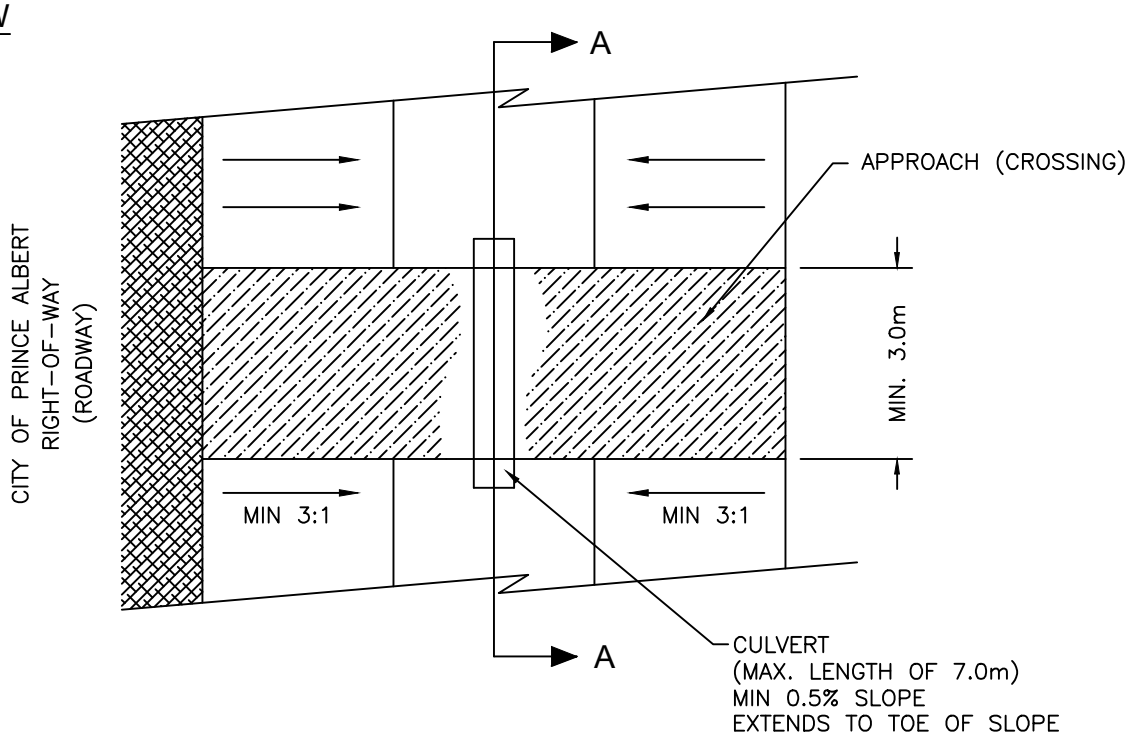
Jeffrey Da Silva

Digitally signed by Jeffrey Da Silva
DN: C=CA, E=jdasilva@cityp a.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva
Location: MSC
Reason: I am approving this document
Date: 2025.02.13 13:09:23 06'00'

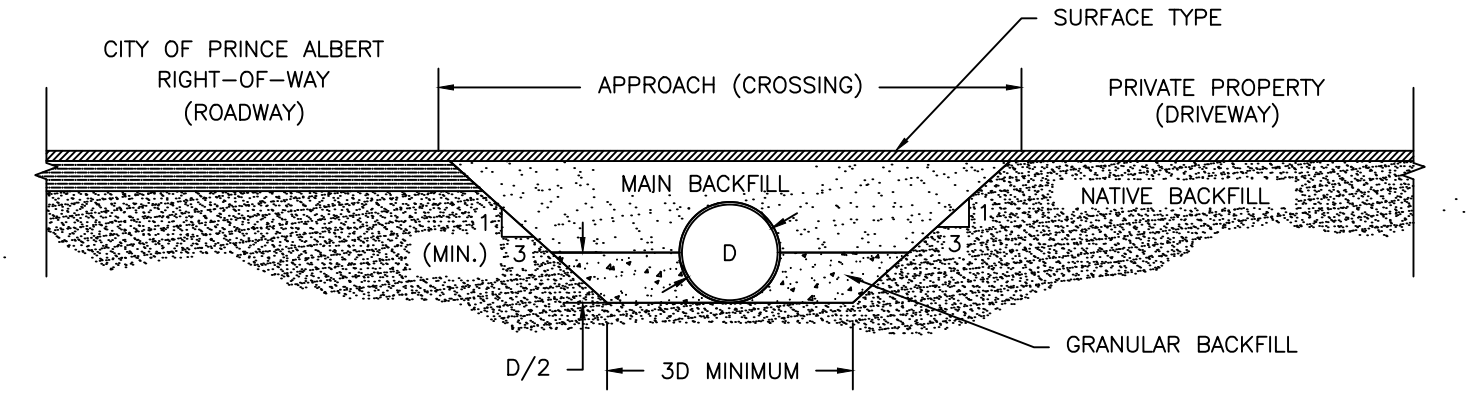
SCALE N.T.S.

DWG. No. 00-04-13

## PLAN VIEW




## SECTION A-A

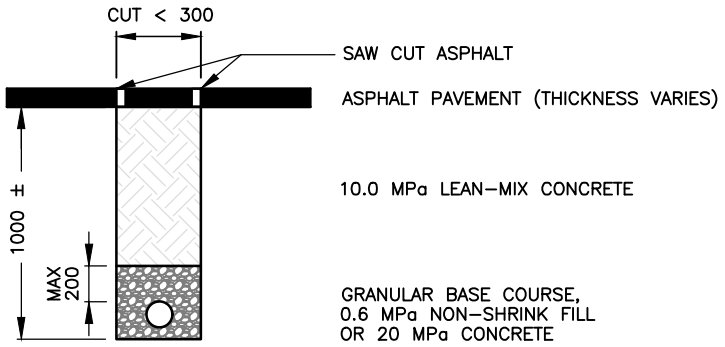



## NOTES

1. ALL MATERIALS MUST COMPLY WITH CITY OF PRINCE ALBERT MASTER SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Jeffrey Da Silva<br>Digitally signed by Jeffrey Da Silva<br>E=jdasilva@cityofpa.com, O=City of Prince Albert, OU=Public Works, CN=Jeffrey Da Silva<br>Location: MSC<br>Reason: I am approving this document<br>Date: 2025.02.13 13:09:32-06'00' |
| | | | STANDARD RURAL<br>CROSSING REQUIREMENTS | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–04–14 |

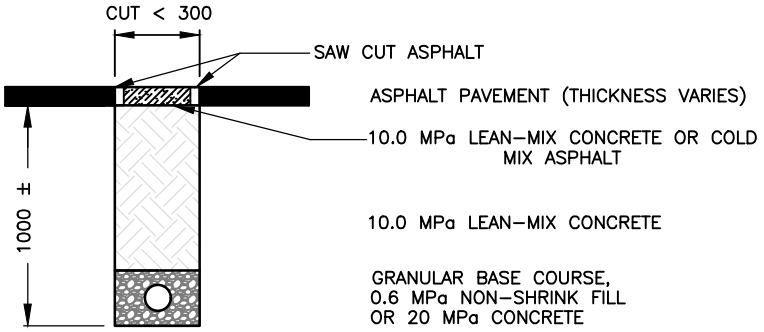
## SUMMER WORK CONDITIONS



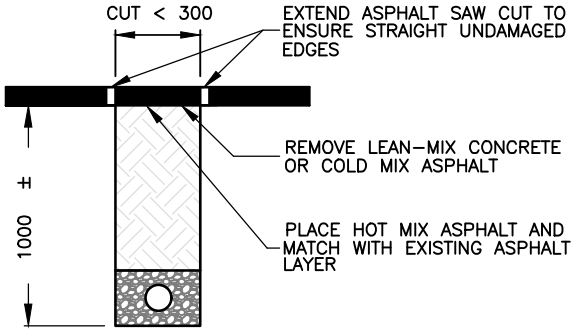

RESTORATION PROCEDURE

1. ALL PAVEMENT EDGES ARE TO BE SAW CUT.
2. ALL EXCAVATED MATERIAL WILL BE HAULED AND DISPOSED BY THE COMPANY.
3. THE COMPANY MAY PLACE GRANULAR BASE COURSE OR CONCRETE AROUND THE UTILITY.
4. 10 MPA LEAN MIX CONCRETE MUST BE USED FROM THE UTILITY COVER MATERIAL TO THE BOTTOM OF EXISTING PAVEMENT.
5. ASPHALT PATCH MUST BE THE GREATER OF 80MM THICK OR THE EXISTING ASPHALT THICKNESS. MAXIMUM LIFT THICKNESS IS 80MM.

## WINTER WORK CONDITIONS




TEMPORARY REPAIR




FINAL REPAIR

RESTORATION PROCEDURE

1. ALL PAVEMENT EDGES ARE TO BE SAW CUT.
2. ALL SNOW, ICE AND EXCAVATED MATERIAL IS TO BE HAULED TO AN APPROVED DISPOSAL AREA OFF SITE.
3. THE COMPANY MAY PLACE GRANULAR BASE COURSE OR CONCRETE AROUND THE UTILITY.
4. LEAN–MIX CONCRETE WITH A MAXIMUM STRENGTH OF 10.0MPA CAN BE USED FROM BOTTOM OF TRENCH TO BOTTOM OF EXISTING ASPHALT PAVEMENT WITH A COLD MIX PATCH COMPACTED IN PLACE TO THE TOP OF ASPHALT, OR;
5. LEAN–MIX CONCRETE WITH A MAXIMUM STRENGTH OF 10.0MPa CAN BE USED FROM BOTTOM OF TRENCH TO TOP OF EXISTING ASPHALT PAVEMENT.
6. THE COMPANY IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY SURFACE PATCH UNTIL IT CAN BE REPAIRED UNDER SUMMER CONDITIONS.
7. IN SUMMER CONDITIONS, THE TEMPORARY PATCH IS TO BE REMOVED BY THE COMPANY TO BOTTOM OF ASPHALT AND SAW CUT EXTENDED TO ENSURE STRAIGHT UNDAMAGED EDGES.
8. ASPHALT PATCH MUST BE THE GREATER OF 80MM THICK OR THE EXISTING ASPHALT THICKNESS. MAXIMUM LIFT THICKNESS IS 80MM.

## GENERAL NOTES

1. ALL BURIED UTILITY CUTS AND RESTORATIONS MUST BE REPORTED TO PUBLIC WORKS AND FOLLOW PROCEDURES AS PER MASTER SPECIFICATIONS 6100: SHALLOW BURIED UTILITIES.
2. ALL DIMENSIONS IN THE DRAWINGS ARE IN mm.
3. RELATED SECTIONS: ASPHALT 02741 | CONCRETE 02770 | GRANULAR BASE 02721

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | FEB 2020 | REVISED SPECIFICATIONS |
| 1 | NOV 2018 | REVISED SPECIFICATIONS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

## SHALLOW BURIED UTILITY REPAIR
## LESS THAN 300mm ASPHALT CUT

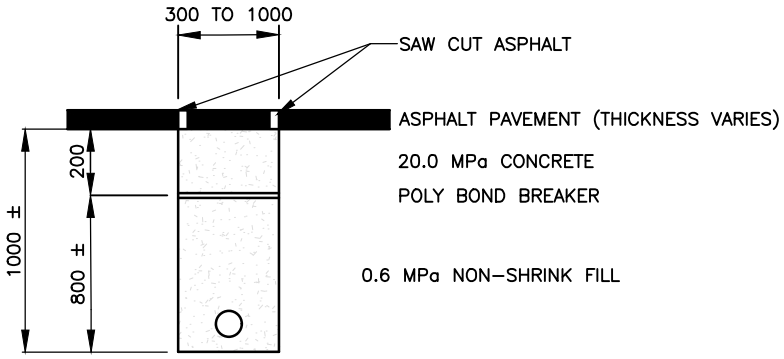
DRAWN R.REGNIER | DESIGNED M.GAREAU | DATE FEB 2020

APPROVED Wes Hicks

SCALE N.T.S.

DWG. No. 00–04–15

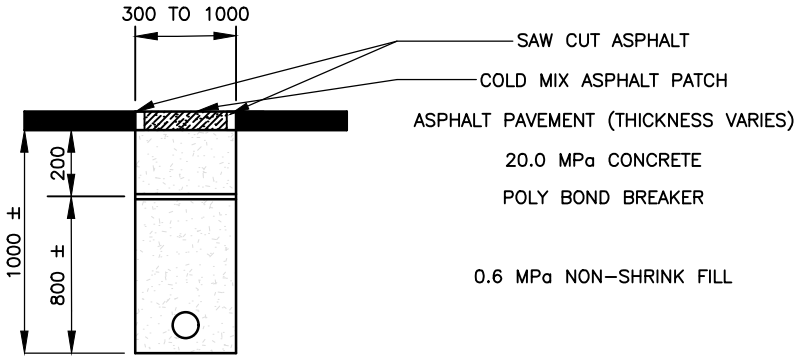
## SUMMER WORK CONDITIONS



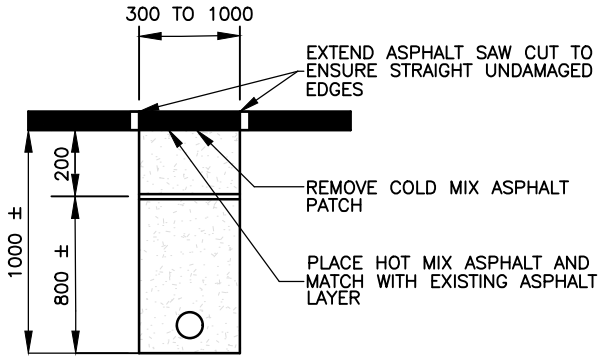

RESTORATION PROCEDURE

1. ALL PAVEMENT EDGES ARE TO BE SAW CUT.
2. ALL EXCAVATED MATERIAL WILL BE HAULED AND DISPOSED BY THE COMPANY.
3. 0.6 MPA NON-SHRINK FILL MUST BE USED FROM BOTTOM OF TRENCH TO 200MM BELOW THE BOTTOM OF FINISHED PAVEMENT SURFACE.
4. PLACE A POLYETHYLENE BOND BREAKER BETWEEN 0.6MPA AND THE 20MPA CONCRETE.
5. MINIMUM 200MM OF 20MPA CONCRETE MUST BE USED BELOW EXISTING ASPHALT.
6. ASPHALT PATCH MUST BE THE GREATER OF 80MM THICK OR THE EXISTING ASPHALT THICKNESS.
7. MAXIMUM LIFT THICKNESS IS 80MM.

## WINTER WORK CONDITIONS




TEMPORARY REPAIR




FINAL REPAIR

RESTORATION PROCEDURE

1. ALL PAVEMENT EDGES ARE TO BE SAW CUT.
2. ALL SNOW, ICE AND EXCAVATED MATERIAL IS TO BE HAULED TO AN APPROVED DISPOSAL AREA OFF SITE.
3. 0.6 MPA NON-SHRINK FILL MUST BE USED FROM BOTTOM OF TRENCH TO 200MM BELOW THE BOTTOM OF FINISHED PAVEMENT SURFACE.
4. PLACE A POLYETHYLENE BOND BREAKER BETWEEN THE 0.6MPA AND THE 20MPA CONCRETE.
5. MINIMUM 200MM OF 20MPA CONCRETE MUST BE USED BELOW EXISTING ASPHALT.
6. A TEMPORARY COLD MIX PATCH IS TO BE PLACED TO THE TOP OF ASPHALT AND COMPACTED IN PLACE.
7. THE COMPANY IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY SURFACE PATCH UNTIL IT CAN BE REPAIRED IN SUMMER CONDITIONS.
8. IN SUMMER CONDITIONS, THE TEMPORARY PATCH IS TO BE REMOVED BY THE COMPANY TO BOTTOM OF ASPHALT AND SAW CUT EXTENDED TO ENSURE STRAIGHT UNDAMAGED EDGES.
9. ASPHALT PATCH MUST BE THE GREATER OF 80MM THICK OR THE EXISTING ASPHALT THICKNESS. MAXIMUM LIFT THICKNESS IS 80MM.

## GENERAL NOTES

1. ALL BURIED UTILITY CUTS AND RESTORATIONS MUST BE REPORTED TO PUBLIC WORKS AND FOLLOW PROCEDURES AS PER MASTER SPECIFICATIONS 6100: SHALLOW BURIED UTILITIES.
2. ALL DIMENSIONS IN THE DRAWINGS ARE IN mm.
3. RELATED SECTIONS: ASPHALT 02741 | CONCRETE 02770 | GRANULAR BASE 02721

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | FEB 2020 | REVISED SPECIFICATIONS |
| 1 | NOV 2018 | REVISED SPECIFICATIONS |

CITY OF PRINCE ALBERT
PUBLIC WORKS

SHALLOW BURIED UTILITY REPAIR
300-1000mm ASPHALT CUT - METHOD 1

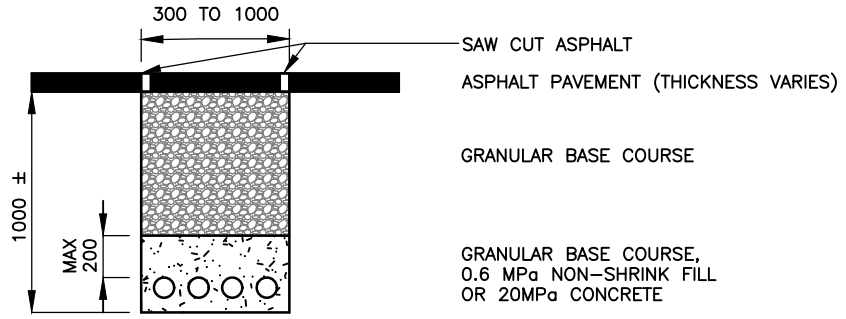
DRAWN R.REGNIER | DESIGNED M.GAREAU | DATE FEB 2020

APPROVED Wes Hicks

SCALE N.T.S.

DWG. No. 00-04-16

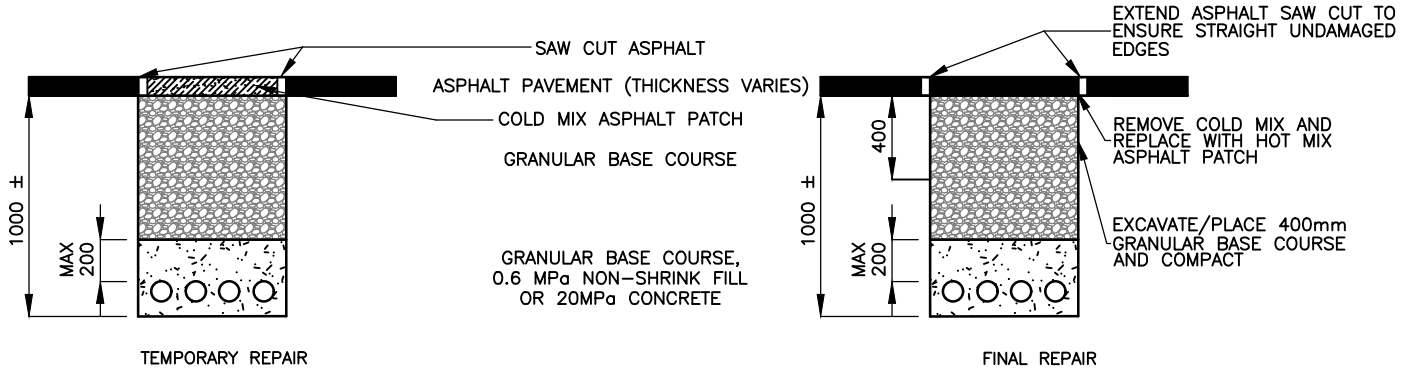
## SUMMER WORK CONDITIONS




RESTORATION PROCEDURE

1. ALL PAVEMENT EDGES ARE TO BE SAW CUT.
2. ALL EXCAVATED MATERIAL WILL BE HAULED AND DISPOSED BY THE COMPANY.
3. THE COMPANY MAY PLACE GRANULAR BASE COURSE OR 0.6 MPA NON-SHRINK FILL OR 20 MPA CONCRETE AROUND THE UTILITY TO A MAXIMUM OF 200 MM ABOVE THE UTILITY.
4. GRANULAR BASE COURSE WILL BE PLACED UP TO BOTTOM OF ASPHALT. A PLATE TAMPER OR VIBRATORY ROLLER MUST BE USED FOR COMPACTION OF GRAVEL. BASE GRAVEL SHALL BE PLACED IN 150MM LIFTS (MAXIMUM) AND COMPACTED TO 100% OF STANDARD PROCTOR DENSITY.
5. ASPHALT PATCH MUST BE THE GREATER OF 80MM THICK OR THE EXISTING ASPHALT THICKNESS.
6. MAXIMUM LIFT THICKNESS IS 80MM.

## WINTER WORK CONDITIONS




RESTORATION PROCEDURE

1. ALL PAVEMENT EDGES ARE TO BE SAW CUT.
2. ALL SNOW, ICE AND EXCAVATED MATERIAL IS TO BE HAULED TO AN APPROVED DISPOSAL AREA OFF SITE.
3. THE COMPANY MAY PLACE GRANULAR BASE COURSE OR 0.6 MPA NON-SHRINK FILL OR 20 MPA CONCRETE AROUND THE UTILITY TO A MAXIMUM OF 200 MM ABOVE THE UTILITY.
4. GRANULAR BASE COURSE WILL BE PLACED UP TO BOTTOM OF ASPHALT. A PLATE TAMPER OR VIBRATORY ROLLER MUST BE USED FOR COMPACTION OF GRAVEL. BASE GRAVEL SHALL BE PLACED IN 150MM LIFTS (MAXIMUM) WITH A COMPACTIVE EFFORT MADE.
5. A TEMPORARY COLD MIX PATCH IS TO BE PLACED TO THE TOP OF ASPHALT AND COMPACTED IN PLACE.
6. THE COMPANY IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY SURFACE PATCH UNTIL IT CAN BE REPAIRED IN SUMMER CONDITIONS.
7. IN SUMMER CONDITIONS, THE TEMPORARY PATCH IS TO BE REMOVED BY THE COMPANY AND SAW CUT EXTENDED TO ENSURE STRAIGHT UNDAMAGED EDGES OF THE CUT.
8. IF THE REPAIR HAS SETTLED, OR THE GRANULAR BASE IS SATURATED OR SOFT, THE REPAIR WILL BE EXCAVATED TO A DEPTH OF 400 MM. GRANULAR BASE COURSE WILL BE PLACED UP TO THE BOTTOM OF ASPHALT. A PLATE TAMPER OR VIBRATORY ROLLER MUST BE USED FOR COMPACTION OF GRAVEL. BASE GRAVEL SHALL BE PLACED IN 150MM LIFTS (MAXIMUM) AND COMPACTED TO 100% OF STANDARD PROCTOR DENSITY.
9. ASPHALT PATCH MUST BE THE GREATER OF 80MM THICK OR THE EXISTING ASPHALT THICKNESS. MAXIMUM LIFT THICKNESS IS 80MM.

## GENERAL NOTES

1. ALL BURIED UTILITY CUTS AND RESTORATIONS MUST BE REPORTED TO PUBLIC WORKS AND FOLLOW PROCEDURES AS PER MASTER SPECIFICATIONS 6100: SHALLOW BURIED UTILITIES.
2. ALL DIMENSIONS IN THE DRAWINGS ARE IN mm.
3. RELATED SECTIONS: ASPHALT 02741 | CONCRETE 02770 | GRANULAR BASE 02721

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | FEB 2020 | REVISED SPECIFICATIONS |
| 1 | NOV 2018 | REVISED SPECIFICATIONS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

APPROVED Wes Hicks

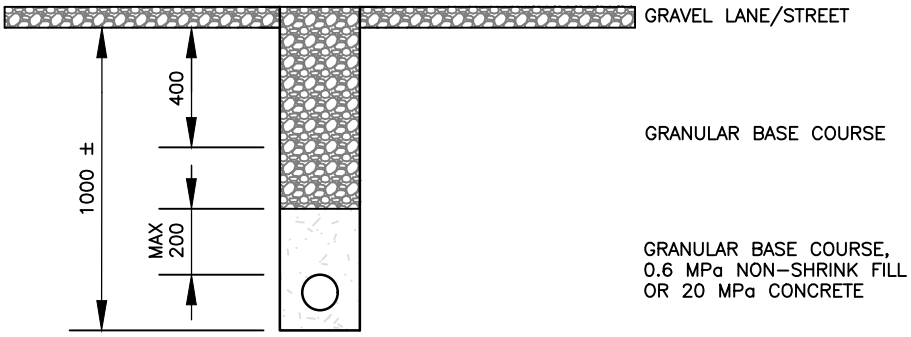
## SHALLOW BURIED UTILITY REPAIR
## 300-1000mm ASPHALT CUT - METHOD 2

SCALE N.T.S.

DRAWN R.REGNIER | DESIGNED M.GAREAU | DATE FEB 2020

DWG. No. 00-04-17

## SUMMER/WINTER WORK CONDITIONS




SUMMER RESTORATION PROCEDURE

1. ALL PAVEMENT EDGES ARE TO BE SAW CUT.
2. ALL EXCAVATED MATERIAL WILL BE HAULED AND DISPOSED BY THE COMPANY.
3. THE COMPANY MAY PLACE GRANULAR BASE COURSE OR 0.6 MPA NON-SHRINK FILL OR 20 MPA CONCRETE AROUND THE UTILITY TO A MAXIMUM OF 200 MM ABOVE THE UTILITY.
4. GRANULAR BASE COURSE WILL BE PLACED UP TO TOP OF ROAD SURFACE. A PLATE TAMPER OR VIBRATORY ROLLER MUST BE USED FOR COMPACTION OF GRAVEL. BASE GRAVEL SHALL BE PLACED IN 150MM LIFTS (MAXIMUM) AND COMPACTED TO 100% OF STANDARD PROCTOR DENSITY.
5. ASPHALT PATCH MUST BE THE GREATER OF 80MM THICK OR THE EXISTING ASPHALT THICKNESS.
6. MAXIMUM LIFT THICKNESS IS 80MM.

WINTER RESTORATION PROCEDURE

1. ALL SNOW, ICE AND EXCAVATED MATERIAL IS TO BE HAULED TO AN APPROVED DISPOSAL AREA OFF SITE
2. THE COMPANY MAY PLACE GRANULAR BASE COURSE OR 0.6 MPA NON-SHRINK FILL OR 20 MPA CONCRETE AROUND THE UTILITY TO A MAXIMUM OF 200 MM ABOVE THE UTILITY.
3. GRANULAR BASE COURSE TO COURSE TO BE PLACED UP TO THE TOP OF THE ROAD SURFACE. A PLATE TAMPER OR VIBRATORY ROLLER MUST BE USED FOR COMPACTION OF GRAVEL. BASE GRAVEL SHALL BE PLACED IN 150MM LIFTS (MAXIMUM) WITH A COMPACTIVE EFFORT MADE.
4. THE COMPANY IS RESPONSIBLE FOR MAINTAINING THE REPAIR UNTIL IT CAN BE INSPECTED IN SUMMER CONDITIONS AND ANY DEFICIENCIES CORRECTED BY THE COMPANY.
5. IF THE REPAIR HAS SETTLED, OR THE GRANULAR BASE COURSE IS SATURATED OR SOFT, THE REPAIR WILL BE EXCAVATED TO A DEPTH OF 400 MM. EXCAVATED MATERIAL CAN BE SPREAD ALONG THE EDGE OF THE GRAVEL ROAD UNIFORMLY.
6. GRANULAR BASE COURSE WILL BE REPLACED UP TO THE TOP OF THE ROAD SURFACE. A PLATE TAMPER OR VIBRATORY ROLLER MUST BE USED FOR COMPACTION OF GRAVEL. BASE GRAVEL SHALL BE PLACED IN 150MM LIFTS (MAXIMUM) AND COMPACTED TO 100% OF STANDARD PROCTOR DENSITY.

## GENERAL NOTES

1. ALL BURIED UTILITY CUTS AND RESTORATIONS MUST BE REPORTED TO PUBLIC WORKS AND FOLLOW PROCEDURES AS PER MASTER SPECIFICATIONS 6100: SHALLOW BURIED UTILITIES.
2. ALL DIMENSIONS ARE IN MM.
3. RELATED SECTIONS: GRANULAR BASE 02721

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | FEB 2020 | REVISED SPECIFICATIONS |
| 1 | NOV 2018 | REVISED SPECIFICATIONS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

SHALLOW BURIED UTILITY REPAIR
TYPICAL GRAVEL LANE & STREET CUT

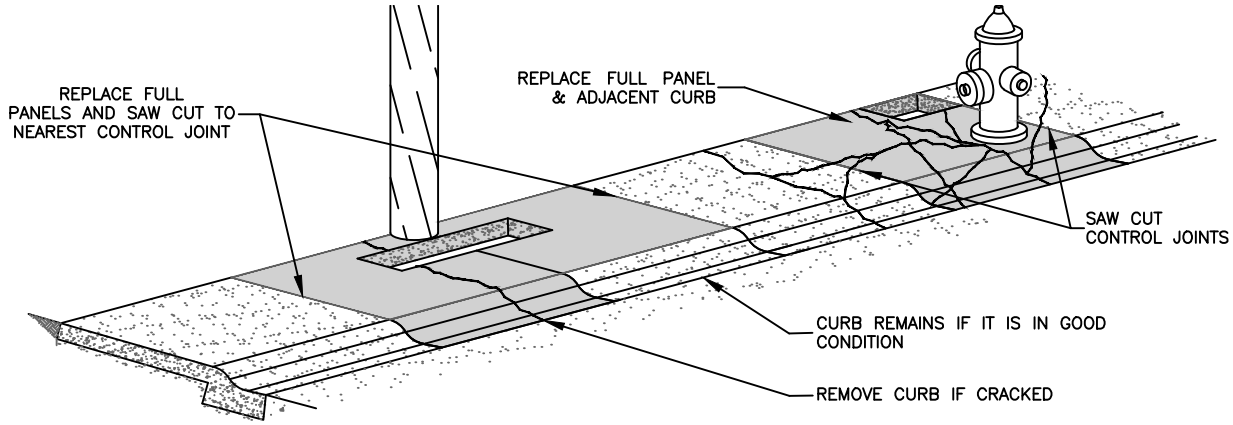
DRAWN R.REGNIER | DESIGNED M.GAREAU | DATE FEB 2020

APPROVED Wes Hicks

SCALE N.T.S.

DWG. No. 00-04-18

## SUMMER WORK CONDITIONS




RESTORATION PROCEDURE

CUTTING AND REMOVAL OF CONCRETE

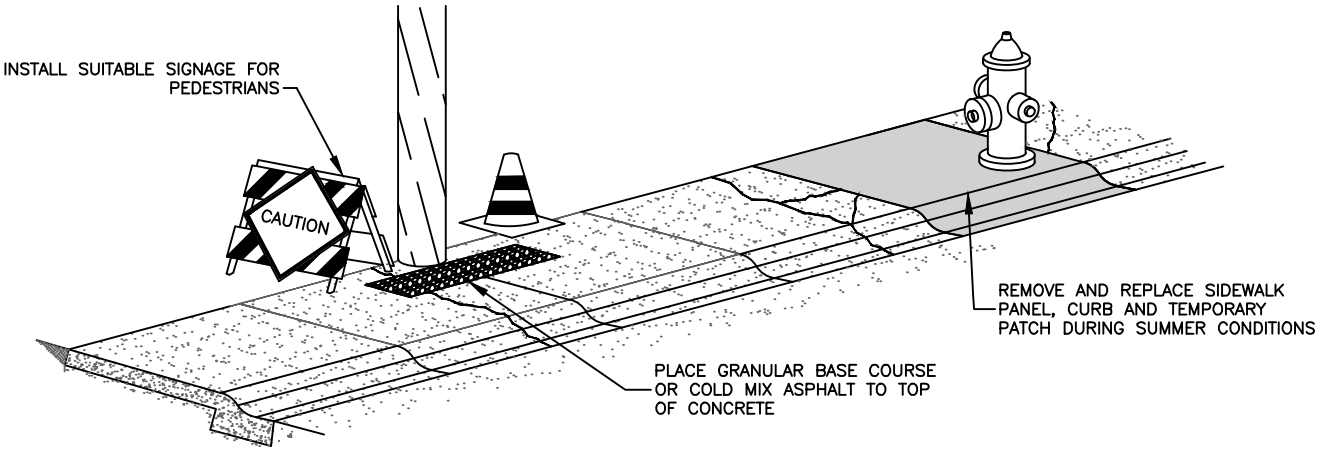
1. REMOVE CONCRETE PANELS AND CURB LENGTHS TO THE NEAREST CONTROL JOINT THAT IS DISTURBED BY A UTILITY CUT, INCLUDING PANELS OR CURBS UNDERMINED DUE TO THE CUT.
2. FOR UTILITY CUTS IN MONOLITHIC SIDEWALKS, REMOVE THE CURB WITH THE SIDEWALK, UNLESS THE CURB IS IN GOOD CONDITION (NO CRACKS).
3. BEFORE REMOVAL, SAW CUT THE CONCRETE THROUGH ITS FULL DEPTH, LEAVING A STRAIGHT VERTICAL FACE. CONCRETE MAY BE BROKEN AT CONTROL JOINTS WITHOUT SAW CUTTING PROVIDED A STRAIGHT VERTICAL FACE FREE OF LOOSE MATERIALS REMAINS.

RECONSTRUCTION OF THE CONCRETE

1. CONSTRUCT REPLACEMENT CONCRETE IN ACCORDANCE WITH DRAWINGS:

| | | | |
|---|---|---|---|
| 00-03-01 | 00-03-03 | 00-03-05 | 00-03-07 |
| 00-03-02 | 00-03-04 | 00-03-06 | 00-03-08 |

## WINTER WORK CONDITIONS




RESTORATION PROCEDURE

1. AFTER COMPLETING THE UTILITY WORK, FILL THE CUT WITH COLD MIX ASPHALT OR GRANULAR BASE COURSE PLACED IN 150MM LIFTS (MAXIMUM), COMPACTED TO 95% OF STANDARD PROCTOR DENSITY UP TO THE TOP OF CONCRETE.
2. THE COMPANY WILL INSTALL SUITABLE VISIBLE SIGNAGE TO INDICATE HAZARD FOR PEDESTRIANS. THE COMPANY WILL MAINTAIN THE SIGNAGE OVER THE WINTER CONDITIONS.
3. IN SUMMER CONDITIONS PROCEED WITH THE CONCRETE REPAIRS.

## GENERAL NOTES

1. ALL BURIED UTILITY CUTS AND RESTORATIONS MUST BE REPORTED TO PUBLIC WORKS AND FOLLOW PROCEDURES AS PER MASTER SPECIFICATIONS 6100: BURIED UTILITIES.
2. MINIMUM CONCRETE THICKNESS IS 100mm, MINIMUM CONCRETE STRENGTH IS 32 MPa.
3. RELATED SECTIONS: CONCRETE SIDEWALKS, CURBS AND GUTTERS 02770

| | | | | | |
|---|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | | APPROVED<br>Wes Hicks |
| | | | SHALLOW BURIED UTILITY REPAIR<br>TYPICAL CONCRETE CUT | | |
| 2 | FEB 2020 | REVISED SPECIFICATIONS | | | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN R.REGNIER | DESIGNED M.GAREAU | DATE FEB 2020 | DWG. No. 00-04-19 |

# City of Prince Albert - Contractor Utility Locate/Cut Request

10-5-9

**ATTENTION: PUBLIC WORKS | CITY HALL | PRINCE ALBERT | SK | S6V 7P3**
**(306) 953-4900 | publicworks@citypa.com**

***Section filled by PUBLIC WORKS:***
**Received:** **File #:**

For City Locates, Traffic Accommodation, and Utility Cut Requests, fill in **section A,** submit to publicworks@citypa.com 72 hours prior to start of work. The exception is in emergency utility repairs call (306) 953-4900 or (306) 953-4284 after hours. Upon completion of the work, submit the same form with **section B** updated.

---- Section A ----

**What do you need?**

**City Utilities Locates**

Requested: ❑ Not Requested: ❑

The City doesn't guarantee the depth of any City utilities. It is the Requester or their Contractor's responsibility to daylight these utilities prior to excavation.

**Traffic Accommodations**

City Performed Closure: ❑ Self-Performed Closure: ❑ None Needed: ❑

The City Requires an Encroachment permit if the work is being completed on a city alley or street as per Traffic Bylaw No. 1, of 2013.

**Utility Cut Information:**

**Job# / Plan#?** _____ **When**? Requested start date: _____

Skip to Contact Information if you have a Job# or Plan# previously permitted by Public Works.

**Where** are you cutting:_____

Civic Street Name Street Type (Lane, Ave, Cres etc) Street Direction:

**What**? ❑ Road ❑ Walk ❑ Lane ❑ City Boulevard (Lawn) ❑ Private Property

SIZE: Concrete L____x W____; Asphalt L____x W____; Gravel L____x W____ ; Lawn L____x W____

Attach a sketch/map or plan with key reference points of scope or extents of works (roads, street names, landmarks, cut area).

**Contact Information:**

**Who** are you requesting on behalf? _____ | ❑ SaskEnergy | ❑ SaskPower | ❑ SaskTel

Contact Name:_____

Name email Phone Number

**Who** is the Contractor Cutting/Restoring the site?

Skip if the same as above.

Contractors Name:_____ Address:_____

Contractors Contact:_____

Name email Phone Number

**I have read and understand all the above information and agree to your guidelines and I'm aware that failure to comply may result in increased costs or failure to receive future approvals. (Required)**

Owner/Contractor Signature: _____ Date: _____

---- Section B ----

**Utility Cut Completion and Acceptance:**

Date Started: _____ Date of Final Repair: _____

Restoration must be completed within 24 hours and before the work zone is removed.
Your Restoration work is warrantied for a 1-year time period.

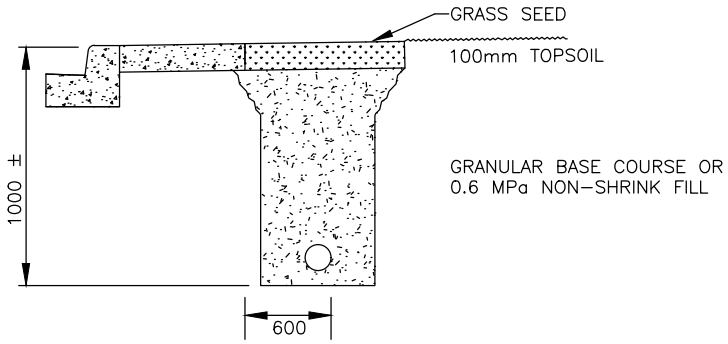
Owner/Contractor Signature: _____ Date: _____

***Section filled by PUBLIC WORKS:***
***Restoration Acceptance:***

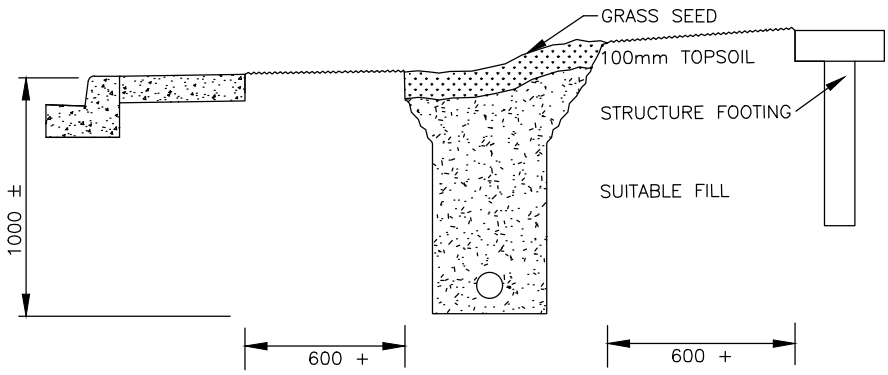
***Per:*** _____

***Date:*** _____

City of Prince Albert




UTILITY CUT WITHIN 600mm OF SIDEWALK/STRUCTURE




UTILITY CUT ≥ 600mm FROM SIDEWALK/STRUCTURE

## GENERAL NOTES

1. ALL BURIED UTILITY CUTS AND RESTORATIONS MUST BE REPORTED TO PUBLIC WORKS AND FOLLOW PROCEDURES AS PER MASTER SPECIFICATIONS 6100: SHALLOW BURIED UTILITIES.
2. ALL DIMENSIONS ARE IN MM.
   RELATED SECTIONS: GRANULAR BASE 02721 |
3. TOPSOIL 02212 | SEEDING 02933
4. CONTACT COMMUNITY SERVICES AT 306-953-4800 TO PURCHASE GRASS SEED MIX.
5. FOR AREAS WITH IRRIGATION, USE GRASS SEED MIX:
   - 40% CREEPING RED FESCUE "BOREAL"
   - 37% PERENNIAL RYE "FIESTA 3"
   - 15% KENTUCKY BLUE "ABLE I"
   - 8% KENTUCKY BLUE "MIDNIGHT"
6. FOR AREAS WITH NO IRRIGATION, USE GRASS SEED MIX:
   - 35% ABERDEEN CREEPING RED FESCUE
   - 25% SHADOW III CHEWINGS FESCUE
   - 20% SHEEP FESCUE
   - 20% HARD FESCUE

## SUMMER WORK CONDITIONS

RESTORATION PROCEDURE

1. ALL EXCAVATED MATERIAL WILL BE HAULED AND DISPOSED BY THE COMPANY.
2. IF THE CUT IS WITHIN 600MM OF A SIDEWALK OR A STRUCTURE, GRANULAR BASE COURSE WILL BE PLACED IN 150MM LIFTS (MAXIMUM), COMPACTED TO 95% OF STANDARD PROCTOR DENSITY OR 0.6 MPA NON-SHRINK FILL WILL BE USED TO A DEPTH OF 100MM BELOW EXISTING TOPSOIL.
3. IF THE CUT IS FURTHER THAN 600MM OF A SIDEWALK OR A STRUCTURE, SUITABLE FILL WILL BE PLACED IN 150MM LIFTS (MAXIMUM), COMPACTED TO 95% OF STANDARD PROCTOR DENSITY TO A DEPTH OF 100MM BELOW EXISTING TOPSOIL.
4. MINIMUM 100MM OF TOPSOIL WILL BE PLACED AND RAKED-IN PROVIDING A SMOOTH TRANSITION TO THE NEIGHBORING SOILS.
5. GRASS SEED WILL BE BROADCAST IN PLACE AT 220 KG/HA (22G/M2) AND RAKED-IN THE TOP 5MM SURFACE OF THE TOPSOIL. GRASS SEED MIX WILL BE USED AS BELOW.

## WINTER WORK CONDITIONS

RESTORATION PROCEDURE

1. ALL SNOW, ICE AND EXCAVATED MATERIAL IS TO BE HAULED TO AN APPROVED DISPOSAL AREA OFF SITE
2. IF THE CUT IS WITHIN 600MM OF A SIDEWALK OR A STRUCTURE, GRANULAR BASE COURSE WILL BE PLACED IN 150MM LIFTS (MAXIMUM), COMPACTED TO 95% OF STANDARD PROCTOR DENSITY TO TOP OF TOPSOIL.
3. IF THE CUT IS FURTHER THAN 600MM OF A SIDEWALK OR A STRUCTURE, SUITABLE FILL WILL BE PLACED IN 150MM LIFTS (MAXIMUM), COMPACTED TO 95% OF STANDARD PROCTOR DENSITY TO TOP OF TOPSOIL.
4. IN SUMMER CONDITIONS, THE COMPANY WILL REMOVE THE GRANULAR BASE COURSE OR FILL TO 100MM BELOW TOPSOIL.
5. A MINIMUM 100MM OF TOPSOIL WILL BE PLACED AND RAKED-IN PROVIDING A SMOOTH TRANSITION TO THE NEIGHBORING SOILS.
6. GRASS SEED WILL BE BROADCAST IN PLACE AT 220 KG/HA (22G/M2) AND RAKED-IN THE TOP 5MM SURFACE OF THE TOPSOIL. GRASS SEED MIX WILL BE USED AS BELOW.

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| 2 | FEB 2020 | REVISED SPECIFICATIONS |
| 1 | NOV 2018 | REVISED SPECIFICATIONS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

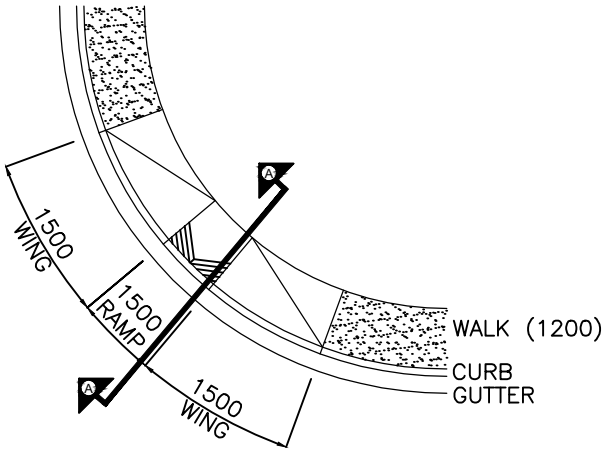
## SHALLOW BURIED UTILITY REPAIR
## TYPICAL BOULEVARD AND PARK CUT

APPROVED Wes Hicks

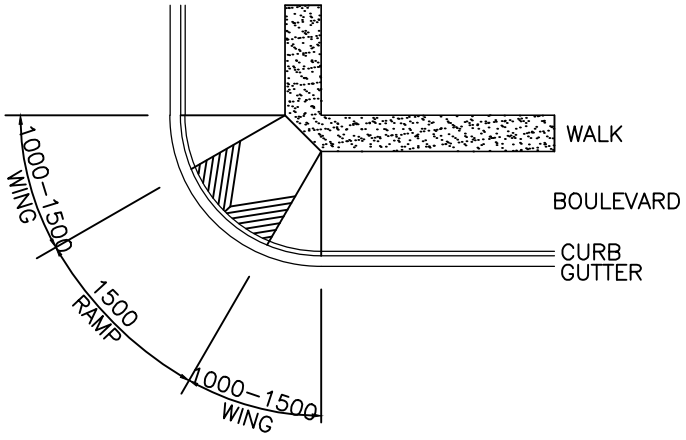
SCALE N.T.S.

DRAWN R.REGNIER | DESIGNED M.GAREAU | DATE FEB 2020

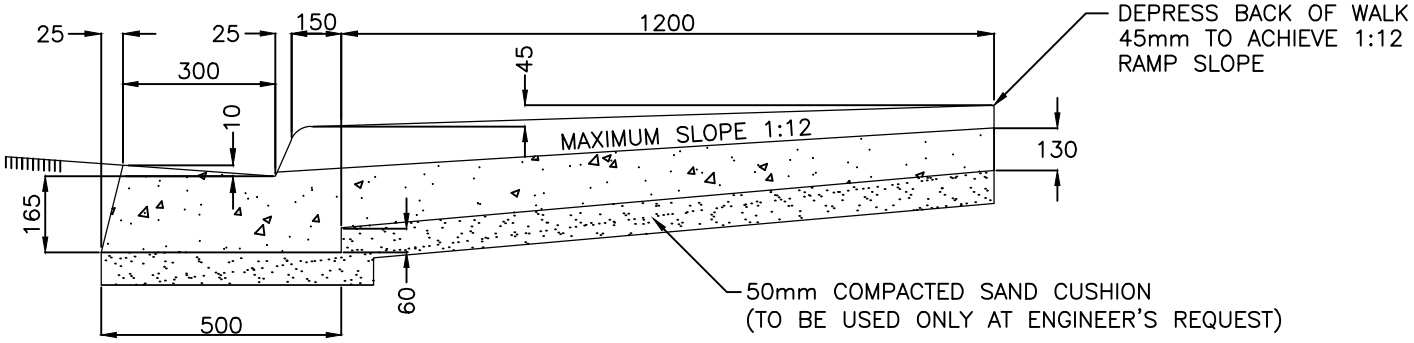
DWG. No. 00-04-21




COMBINED WALK, CURB & GUTTER




SEPARATE WALK, CURB & GUTTER

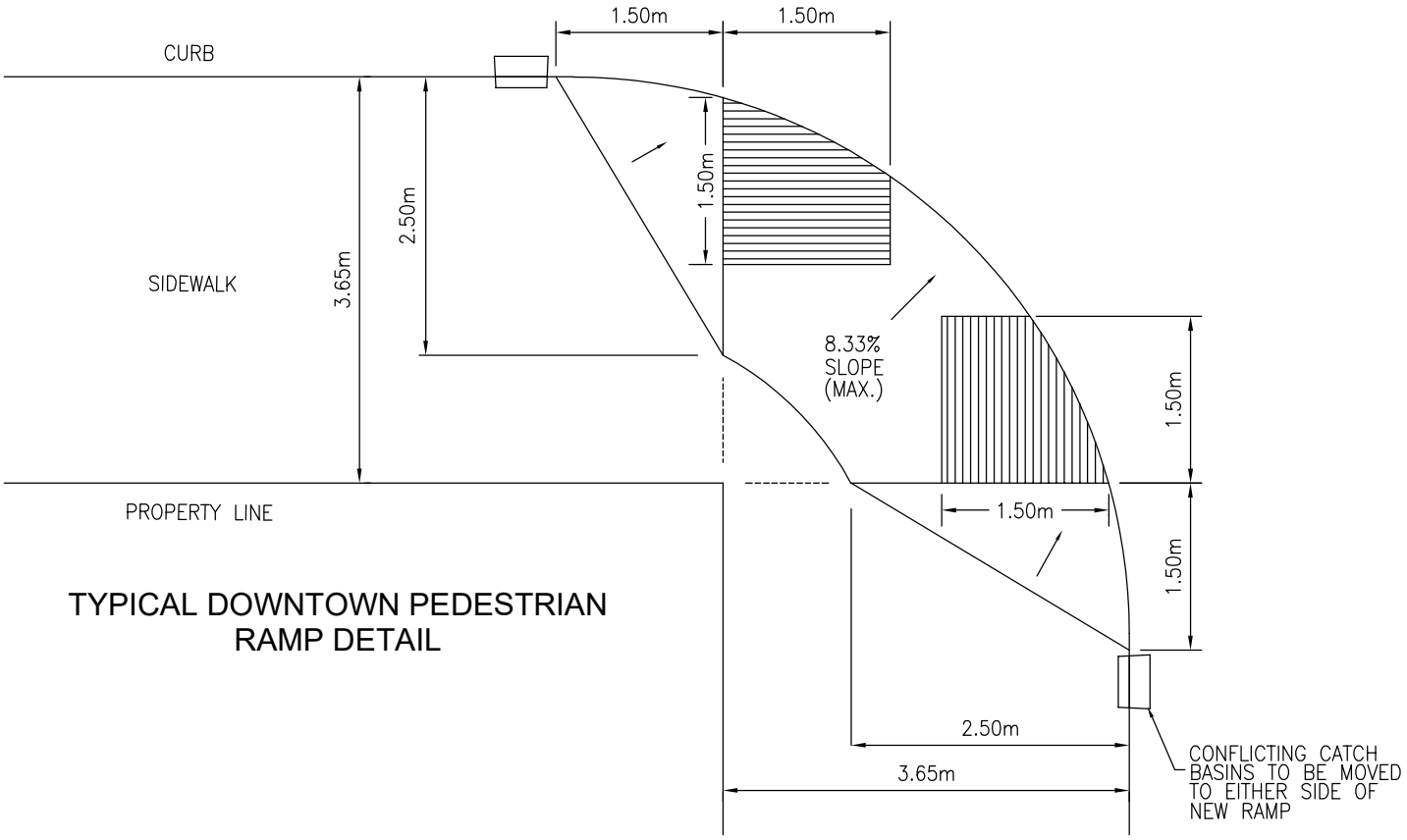



SECTION A-A

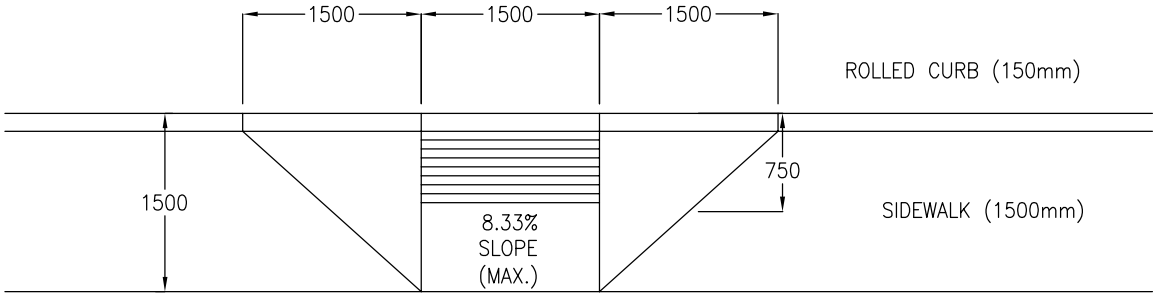
## NOTES

1. CURB RAMPS SHALL BE CONSTRUCTED AT ALL INTERSECTIONS
2. CONCRETE COMPRESSIVE STRENGTH = 32mpa
3. MAXIMUM AGGREGATE SIZE = 20mm
4. MAXIMUM SLUMP = 75mm
5. MINIMUM RAMP WIDTH = 1500mm; WHERE A CATCH BASIN IS LOCATED WITHIN THE RAMP'S PATH, RAMP WIDTH SHALL BE 2000mm
6. ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE INDICATED

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Wes Hicks |
| | | | RAMP DETAIL - 1 | |
| 1 | 1/21/2025 | RAMP & WING MEASUREMENT CHANGES | | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–05–01 |



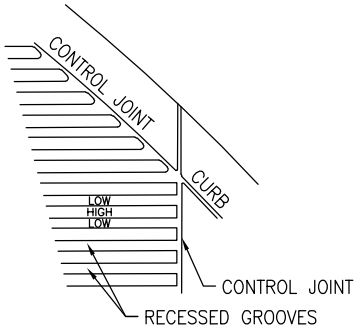

## TYPICAL DOWNTOWN PEDESTRIAN RAMP DETAIL



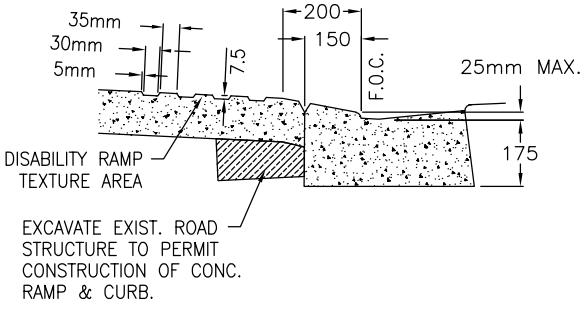

## TYPICAL RESIDENTIAL PEDESTRIAN RAMP DETAIL

NOTES:

1. GROOVES ON TEXTURED AREA ARE TO BE PLACED PERPENDICULAR TO THE CROSSWALK LINES OR WHERE NO CROSSWALK EXISTS, PERPENDICULAR TO A LINE BETWEEN THE TWO RAMPS.
2. CONTROL JOINT MUST INTERCEPT THE BOTTOM OF RECESSED GROOVES.
3. CONTROL JOINT MUST BE SLIGHTLY DEEPER THAN RECESSED GROOVES.




PLAN VIEW
TEXTURE AREA




CROSS-SECTION
TEXTURE AREA

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| 1 | APR 2020 | ADDED TEXTURE AREA DETAILS |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

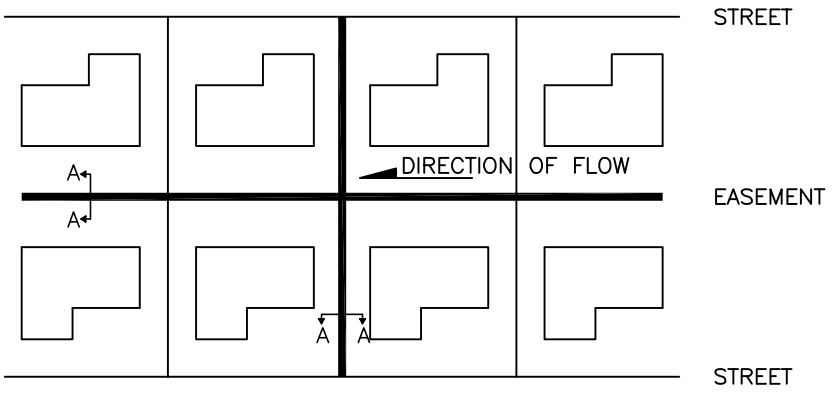
## RAMP DETAIL - 2

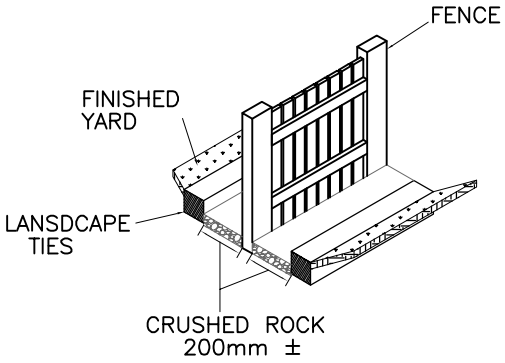
DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED
Wes Hicks

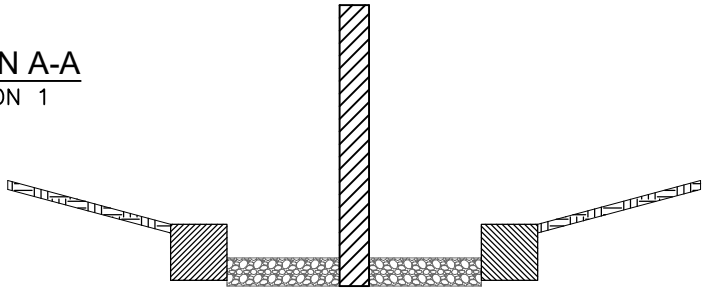
SCALE N.T.S.

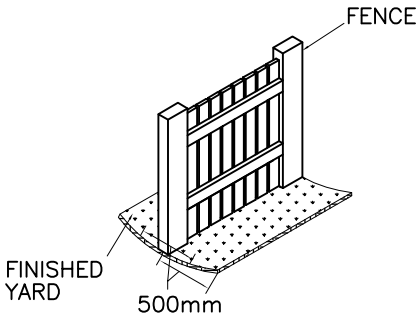
DWG. No. 00-05-02



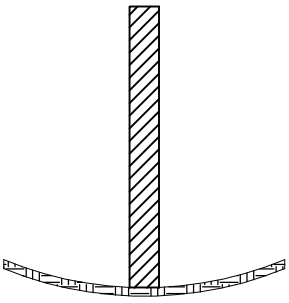



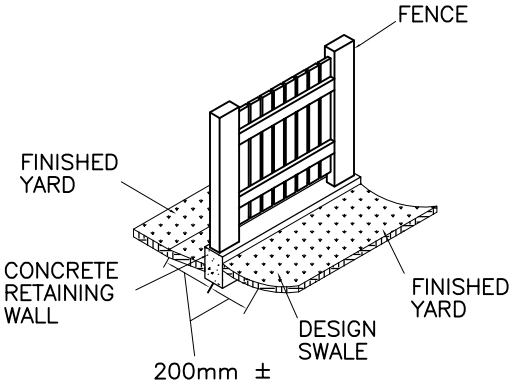

SECTION A-A
OPTION 1



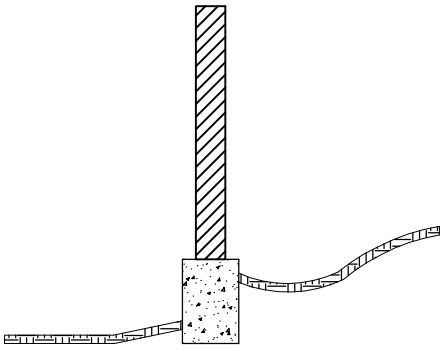



SECTION A-A
OPTION 2






SECTION A-A
OPTION 3



## NOTE

REAR GRADES ARE DESIGNED TO FLOW ALONG THE FENCE LINE
SEE LOT GRADE "PREGRADES" AND THE DIRECTION OF FLOW

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# CITY OF PRINCE ALBERT
PUBLIC WORKS

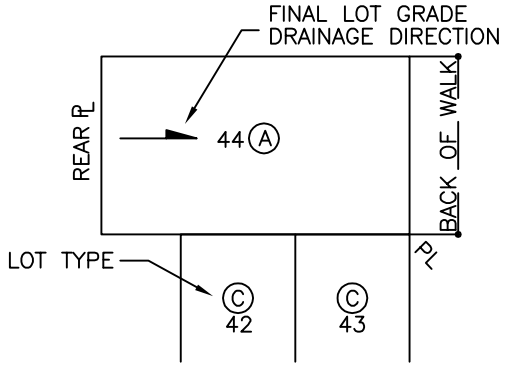
## EASEMENT GRADING

DRAWN S. NUMEDAHL | DESIGNED N. MILLER | DATE OCT. 2014

APPROVED
CITY ENGINEER

SCALE N.T.S.

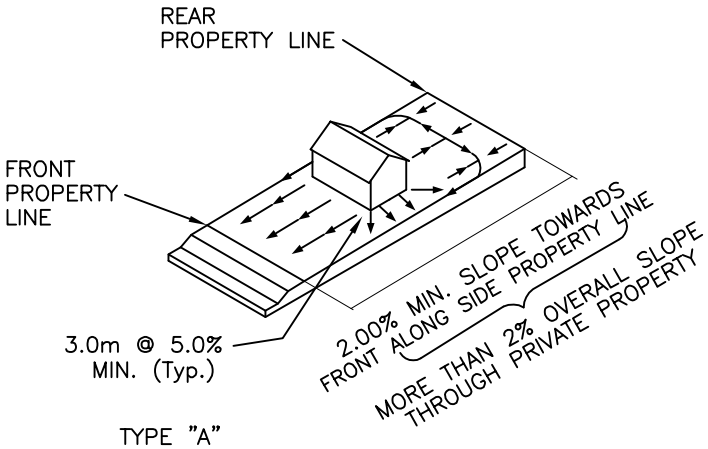
DWG. No. 00–06–01



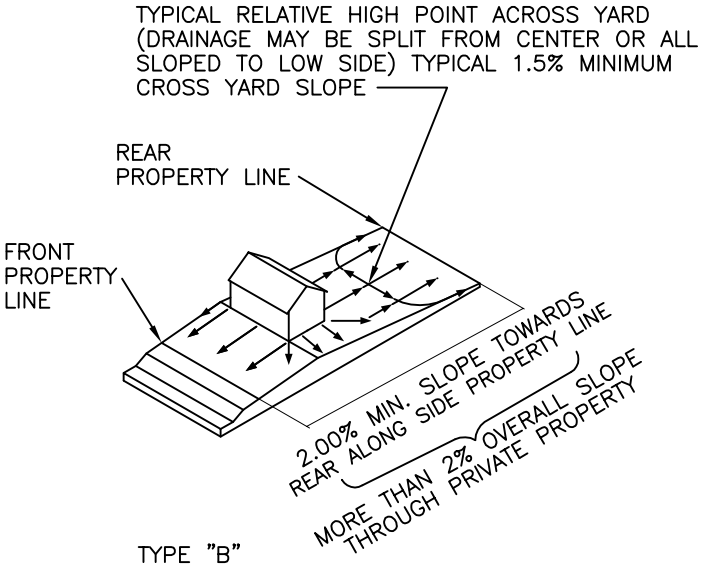

TYPICAL GRADING PLAN

## NOTES

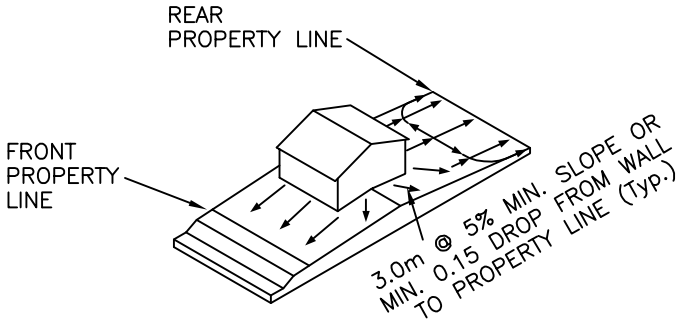
1. PREGRADES REPRESENT THE DESIGN ELEVATION AT THE BACK OF WALK.
2. WHERE THE FRONT OF ONE LOT MEETS THE SIDE OF ANOTHER, BOTH THE PROPERTY LINE AND AND BACK OF WALK ELEVATIONS ARE SHOWN.
3. PREGRADE ELEVATIONS ARE ABBREVIATED



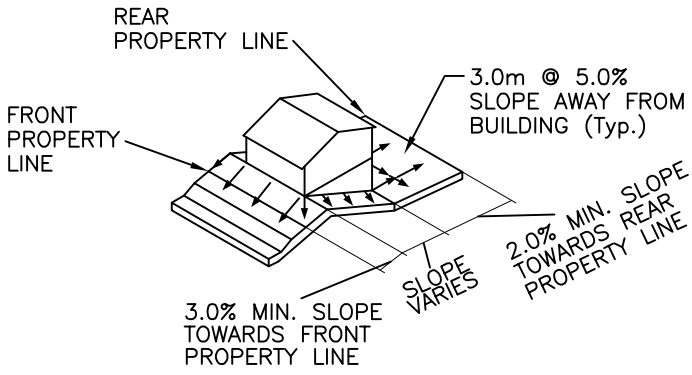

TYPE "A"
>2% OVERALL SLOPE
REAR TO FRONT DRAINAGE




TYPE "B"
>2% OVERALL SLOPE
FRONT TO REAR DRAINAGE

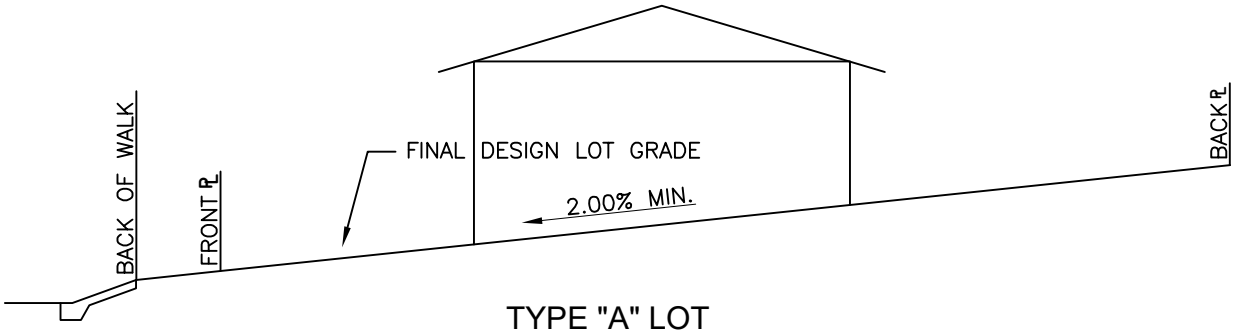



TYPE "C"
STANDARD SPLIT DRAINAGE

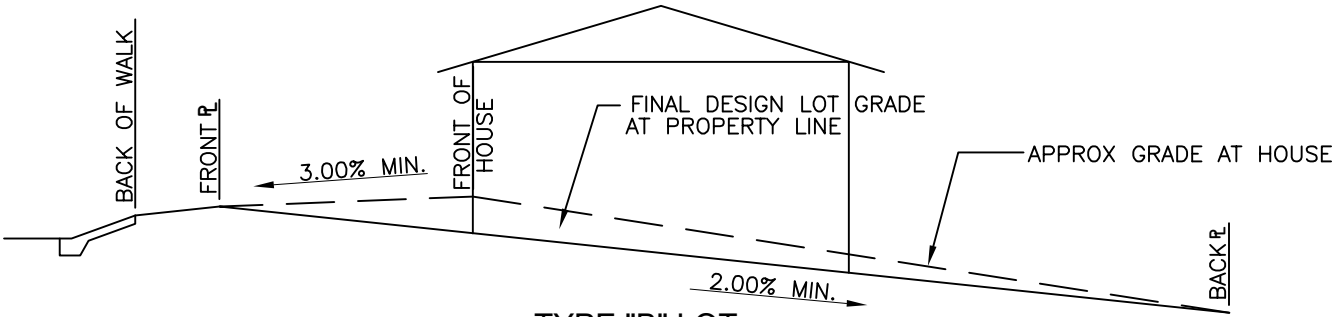



TYPE "D"
WALK-OUT BASEMENT LOTS

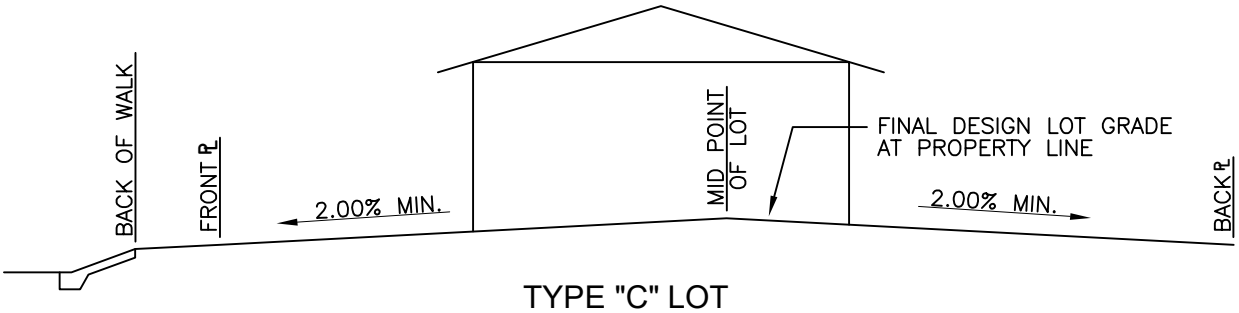
| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>Wes Hicks<br>CITY ENGINEER |
| | | | LOT GRADING<br>TYPES A, B, C & D | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00-06-02 |



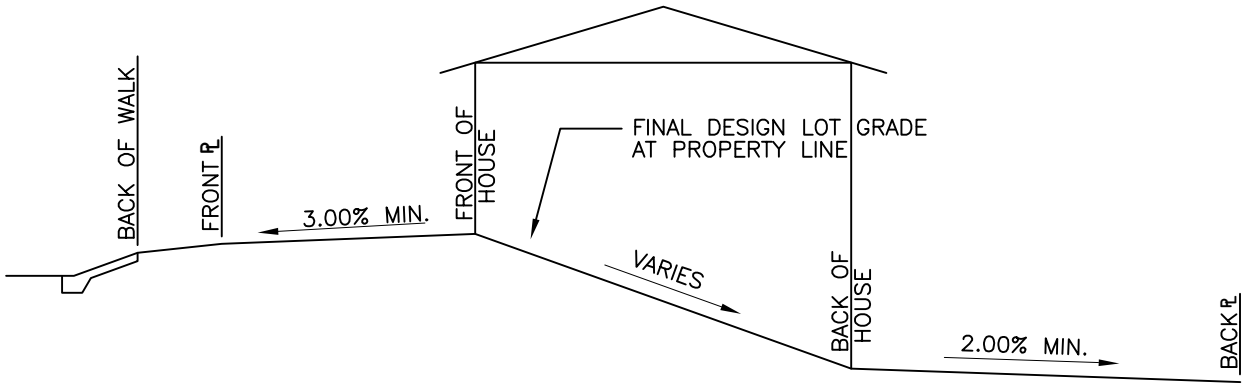

TYPE "A" LOT
BACK TO FRONT DRAINAGE




TYPE "B" LOT
FRONT TO BACK DRAINAGE




TYPE "C" LOT
STANDARD SPLIT DRAINAGE




TYPE "D" LOT
WALK–OUT BASEMENT

| | | | | |
|---|---|---|---|---|
| | | | CITY OF PRINCE ALBERT<br>PUBLIC WORKS | APPROVED<br>CITY ENGINEER |
| | | | LOT GRADING - SPLIT DRAINAGE<br>BACK TO FRONT/WALK-OUT BASEMENT | SCALE N.T.S. |
| No. | DATE | REVISION | DRAWN S. NUMEDAHL \| DESIGNED N. MILLER \| DATE OCT. 2014 | DWG. No. 00–06–03 |