CITY OF TORONTO
JEFFERSON COUNTY, OHIO

WALTON ACRES PHASE 1

ADDENDUM #2

FEBRUARY 24, 2025

THRASHER PROJECT #010-10147

TO WHOM IT MAY CONCERN:

The following are questions and responses to questions posed by contractors for the above-referenced project.

A. DRAWINGS

Sheet D5 has been added in response to Question 7.

B. QUESTIONS AND RESPONSES

QUESTION

1. Is there a spoil site secured for this project, or will it be the responsibility of the contractor to secure one?

RESPONSE

This will be the responsibility of the contractor.

QUESTION

2. The specification for water service connection calls for standard ford brass hinged service saddles; however, the detail on sheet D3 "Water Service Connection Detail" calls for electrofusion saddle and coupling. Please confirm we are to use standard ford saddles and corps as called for in spec section 331213-4, 2.2.

RESPONSE

Yes. Please refer to specification 331213.

QUESTION

3. Is station 18+00 of the proposed 6" water line a dead end or a tie in?

RESPONSE

It is a tie in.

QUESTION

4. Is the intension for the long service at station 16+99 to be open cut through the existing roadway?

RESPONSE

See answer to question 5 below.

QUESTION

5. Is punching the longside services acceptable?

RESPONSE

Means and methods are up to the contractor.

QUESTION

6. Please confirm the differences between the bid items for services with lead (items 10 & 11) & the services without lead (items 8 & 9). We cannot find any descriptions of these items explaining the differences in what is to be included.

RESPONSE

The unit bid price for lead lines would cover the replacement of any lead services lines found on the homeowner's side of the curb stop. This will only be used if lead lines are found.

QUESTION

7. Are all catch basins getting replaced to be "WVDOH No. 3A"? Also, can depths be verified for each catch basin? Will the existing 24" or 30" pipe connecting to the catch basins change the type or size to be used? Please confirm.

RESPONSE

CB S9 to be ODOT 2-2C. All others to be either ODOT CB 3 or ODOT CB 3A, depending on outlet pipe size. Sheet D5 added to plans to show details for ODOT 2-2C and ODOT CB 3. See attached Structure Table for information purposes only. Contractor shall field verify all elevations prior to construction.

QUESTION
8. Is there a detail for the approaches?

RESPONSE
There are no details. Repair drive approaches details as needed throughout the project.

QUESTION
9. Is joint filler required in joints/saw cuts?

RESPONSE
Joint filler shall be per ODOT 705.04.

QUESTION
10. Is there an in-depth detail on the roadway?

RESPONSE
See sheet D4 for roadway proposed details. No information regarding the existing roadway is available.

QUESTION
11. Are transverse baskets and tie in baskets required within the road? If so, is there a detail on the placement?

RESPONSE
ODOT SCD's BP 2.1 and BP 2.2 shall be followed per Note 2 on Sheet D1.

QUESTION
12. Where are the hook bars required at?

RESPONSE
ODOT SCD's BP 2.1 and BP 2.2 shall be followed per Note 2 on Sheet D1.

QUESTION
13. Is a concrete paver required for the installation of the new concrete road?

RESPONSE
Paving equipment shall follow ODOT 451.04.

QUESTION

14. The sequence of construction on sheet #PN2 states “abandon in place by grouting existing water line” but specs do not mention grouting the existing water line. Are we to fill the existing water line with grout? If so, can a spec/detail be provided for the type of grout to be used? Please clarify.

RESPONSE

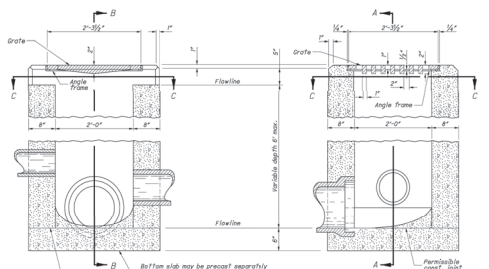
Yes, please see specification 03600-4 non-shrink cementitious grout.

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 9:00 a.m. on Thursday, February 27, 2025, at Toronto City Hall located at 416 Clark St, Toronto, OH 43964. Good luck to everyone and thank you for your interest in the project.

Sincerely,

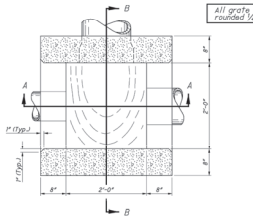
THE THRASHER GROUP, INC.

Brad Olinger, PE
Project Manager

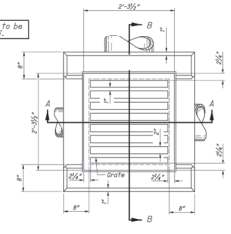


SECTION A-A

SECTION B-B



SECTION C-C



PLAN

CATCH BASIN No. 2-2A

NOTES

GENERAL: Catch Basins 2-2A and 2-2B are not intended for use in roadway applications. Catch Basin 2-2C is intended for parking lot use only.

CATCH BASINS 2-2A, 2-2B & 2-2C: This sheet depicts Catch Basin 2-2A. See Sheet 2 of 2 for Catch Basin 2-2B & 2-2C.

GRATE AND FRAME: Furnish a design essentially the same and equally as strong as the one shown (see Construction Information Table), or meet the requirements of CMS 711.M. Provide grate openings and dimensions as shown here unless otherwise shown in the plans.

Cast the following text into the top of the grate:

"DUMP NO WASTE" and **"DRAINS TO WATERWAY"**

Print text in bold, capital letters at least ½" high. "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

WALLS: Construct brick or cast-in-place walls with a nominal 8" thickness. Provide precast walls at least 6" thick with sufficient reinforcement to permit shipping and handling without damage. Do not use brick above the flow line of the side opening for Type 2-2A.

CONCRETE: Provide Class OCI concrete for cast-in-place structures. When precast, provide concrete meeting the requirements of CMS 706.13. Mark the catch basin number on the structure.

PRECAST BASE: If a precast base is used, set it deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Do not use brick layers to adjust the top elevation.

LOCATION AND ELEVATION: When given on the plans, location and elevation are at the top center of the grate.

MINIMUM DEPTH: The minimum depth of CB No. 2-2A is the outside diameter O.D.) of the outlet pipe plus 1".

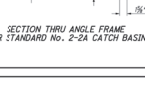
OPENINGS: Ensure pipe openings are the O.D. of the pipe being supplied plus 2" when fabricated or field cut. Fill any voids per CMS 611.

2-2A SIDE INLETS: Provide inlets on both sides of the No. 2-2A catch basin in sags and on upstream side only where the ditch has a continuous down grade past the catch basin. Do not use CB 2-2A within The Clear Zone. The flow line should be 4" to 6" below normal ditch returning to normal 12" to 6" each side of the inlet.

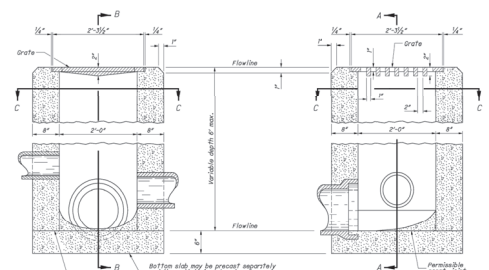
PAYMENT: All materials and labor, including excavation and backfilling, are paid for under **Item 611 - Catch Basin, No. 2-2A.**

CONSTRUCTION INFORMATION
Minimum weight of grate, 120 lbs.
Minimum weight of frame, 40 lbs.

CATCH BASIN	OUTLET PIPE SIZE
2-2A, 2-2B, 2-2C	12" to 18"

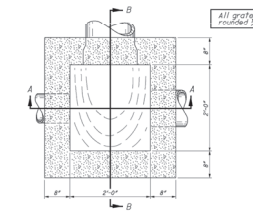


SECTION THRU ANGLE FRAME FOR STANDARD No. 2-2A CATCH BASIN

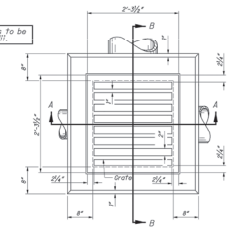


SECTION A-A

SECTION B-B



SECTION C-C



PLAN

CATCH BASIN No. 2-2B

NOTES

CATCH BASINS 2-2A, 2-2B & 2-2C: This sheet depicts Catch Basin 2-2B & 2-2C. See Sheet 1 of 2 for Catch Basin 2-2A.

CB-2-2B GRATE: Furnish a design essentially the same and equally as strong as the one shown (see Construction Information Table), or meet the requirements of CMS 711.M. Provide grate openings and dimensions as shown here unless otherwise shown in the plans.

If necessary, bicycle safe grates will be specified in the plans. Furnish Neenah No. R-4984-B or EJ No. 5310M1 rectangular grates or approved equals.

Place grate elevation 4" to 6" below normal ditch and return to normal 10' to 15' each side of inlet.

CB-2-2C FRAME & GRATE: Where the catch basin is specified for use in a curb and gutter, furnish a Neenah No. R-3067-V (155 lb., V-3022 (H6620010) frame and R-3067-B (H6620010) grate or approved equals. If necessary, bicycle safe grates will be specified in the plans. Furnish Neenah No. R-4906 grate or EJ No. 5310M1 (H5625010) grate or approved equals.

CB-2-2C APRON: On cast-in-place and precast units, provide a level surface on the catch basin 4' below the plan grate elevation for setting the frame and grate. Provide a 6" thick apron of Class OCI concrete around the opening for the frame with a minimum width not less than the thickness of the catch basin walls. Slope the apron to provide a local depression. Include a 1" expansion joint where the apron abuts PCC pavement. The cost is included in the catch basin bid price.

GRATE TEXT: Cast the following text into the top of the grate:

"DRAINS TO WATERWAY" and **"DUMP NO WASTE"**

Print text in bold, capital letters at least 1/2" high. "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

WALLS: Construct cast-in-place walls with a nominal 8" thickness. Provide precast walls at least 6" thick with sufficient reinforcement to permit shipping and handling without damage.

CONCRETE: Provide Class OCI concrete for cast-in-place structures. When precast, provide concrete meeting the requirements of CMS 706.13. Mark the catch basin number on the structure.

PRECAST: If a precast base is used, set it deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Do not use brick layers to adjust the top elevation.

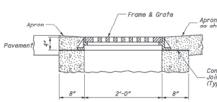
LOCATION AND ELEVATION: When given on the plans, location and elevation are at the top center of the grate.

MINIMUM DEPTH: The minimum depth of CB No. 2-2C is the outside diameter O.D.) of the outlet pipe plus 4". The minimum depth of CB No. 2-2C is the outside diameter O.D.) of the outlet pipe plus 8".

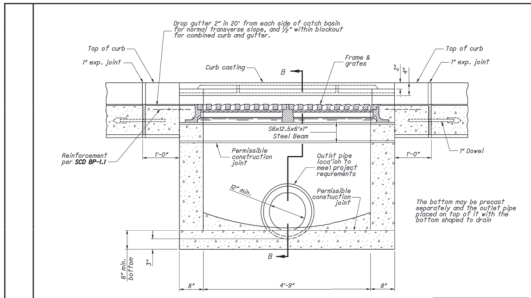
OPENINGS: Ensure pipe openings are the O.D. of the pipe being supplied plus 2" when fabricated or field cut. Any voids per CMS 611.

PAYMENT: All materials and labor, including excavation and backfilling, are paid for under **Item 611 - Catch Basin, No. 2-2B or 2C.**

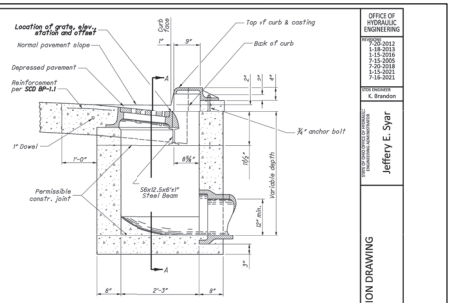
CONSTRUCTION INFORMATION
Minimum weight of grate, 120 lbs.



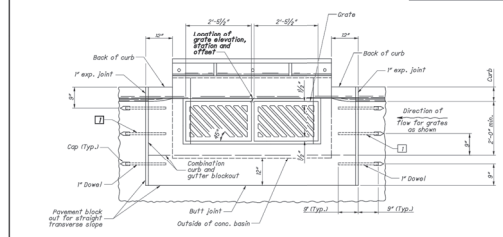
CATCH BASIN No. 2-2C



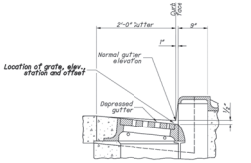
SECTION A-A



SECTION B-B WITH CURB (2" DEPRESSION)

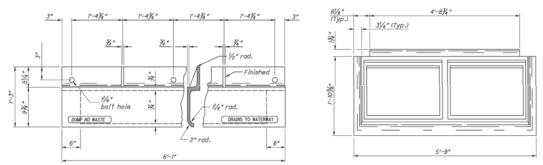


PLAN OF CATCH BASIN AND PAVEMENT JOINTS



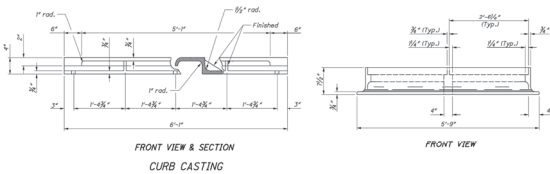
SECTION B-B WITH CURB & GUTTER (½" DEPRESSION)

CATCH BASIN No. 3



PLAN & SECTION

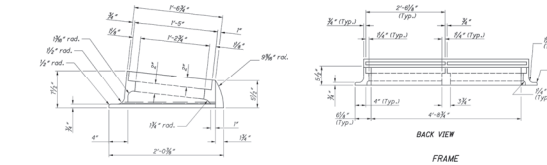
PLAN



FRONT VIEW & SECTION

FRONT VIEW

CURB CASTING



END VIEW FRAME

BACK VIEW

FRAME

NOTES

GRATES: Two required. For details, see **SCD CB-3A.** Provide Grate "F" unless the plans specifically require the diagonal grate. If the diagonal grate is specified, place it so that the diagonal bars direct drainage flow toward the curb.

CASTINGS: Provide a design essentially the same and equally as strong as the one shown. Minimum weights:

Curb Casting . . . . . 205 lbs.
Two Grates . . . . . 264 lbs.
Frame . . . . . 200 lbs.
Two Grate "F" . . . . . 200 lbs.

Lighter weight frames and grates that meet the requirements of CMS 711.M may also be provided. Provide grate openings and dimensions as shown here unless otherwise shown in the plans.

Cast the following text into the top of the curb casting:

"DUMP NO WASTE" and **"DRAINS TO WATERWAY"**

Print text in bold, capital letters at least ½" high. See example on Plan & Section. "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

BEARING AREAS: Fit and finish the frame and grate to provide a firm and even seat. Any projections on a prefitted on bearing areas, and the grate must seat in its frame without rocking.

WALLS: Provide Class OCI concrete for cast-in-place structures. When used in place of concrete, construct brick side walls with 8" nominal thickness.

PRECAST CONSTRUCTION: Permitted, except for the apron. Provide concrete meeting the requirements of CMS 706.13. Provide precast walls at least 6" thick with sufficient reinforcement to permit shipping and handling without damage. Reduce the wall thickness from the outside. Mark the catch basin number on the structure.

MINIMUM DEPTH: The minimum depth is per the cover requirements for that pipe type.

OPENINGS: Ensure pipe openings are the O.D. of the pipe being supplied plus 2" when fabricated or field cut. Fill any voids per CMS 611.

DOWELS: Furnish four 1"x18" dowels for concrete pavement or gutter blockout. See **SCD BP-2.2** for dowel details.

BLOCKOUT: Pave blockouts with Class QCI concrete in PCC pavement or gutter. Blockouts are paid for as part of the pavement or gutter with no deduction in pavement, curb or gutter quantities because of The castings. Cast a Class QCI concrete apron in place, the size of the 2'-0" gutter blockout, in asphalt pavement or asphalt gutter. Provide the same bid price for each basin bid price. Provide the reinforcement in the curb for all curb types with no deduction made in curb quantities.

PAYMENT: All materials and labor, including excavation and backfilling, are paid for under **Item 611 - Catch Basin, No. 3.**

CATCH BASIN No. 3

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NO.	BY	DATE	DESCRIPTION

SCALE: –
DRAWN: – DATE: –
CHECKED: – DATE: –
APPROVED: – DATE: –
SURVEY DATE:
SURVEY BY:
FIELD BOOK No.:

THRASHER
400 3rd STREET SE
CANTON, OHIO 44702
www.thrashereng.com
PHONE (330)-451-2042
FAX (330)-451-2043

PHASE No.
CONTRACT No.
PROJECT No. 010-10147

CITY OF TORONTO 5TH & MYERS WATERLINE & STREETSCAPE IMPROVEMENTS

GENERAL DETAILS – CATCH BASINS

SHEET No. D5

OFFICE OF HYDRAULIC ENGINEERING
REVISIONS: 7-25-2016, 1-20-2018, 7-19-2019, 1-18-2013, 7-16-2021, 1-20-2023, 7-19-2024
CHECKED: K. Brandon
DESIGNED: Jeffery E. Syar
STANDARD HYDRAULIC CONSTRUCTION DRAWING CATCH BASIN No's 2-2A, 2-2B, 2-2C
DESIGN AGENCY
DOCUMENT NUMBER: CB-2-2A,2B,2C
SHEET: P.1 TOTAL: 2

OFFICE OF HYDRAULIC ENGINEERING
REVISIONS: 7-25-2016, 1-20-2018, 7-19-2019, 1-18-2013, 7-16-2021, 1-20-2023, 7-19-2024
CHECKED: K. Brandon
DESIGNED: Jeffery E. Syar
STANDARD HYDRAULIC CONSTRUCTION DRAWING CATCH BASIN No's 2-2A, 2-2B, 2-2C
DESIGN AGENCY
DOCUMENT NUMBER: CB-2-2A,2B,2C
SHEET: P.2 TOTAL: 2

OFFICE OF HYDRAULIC ENGINEERING
REVISIONS: 7-25-2012, 1-20-2016, 1-15-2016, 7-15-2009, 7-20-2018, 1-15-2021, 7-16-2021
CHECKED: K. Brandon
DESIGNED: Jeffery E. Syar
STANDARD HYDRAULIC CONSTRUCTION DRAWING CATCH BASIN No. 3
DESIGN AGENCY
DOCUMENT NUMBER: CB-3
SHEET: P.1 TOTAL: 2

OFFICE OF HYDRAULIC ENGINEERING
REVISIONS: 7-25-2005, 7-20-2012, 1-18-2013, 1-15-2016, 1-20-2018, 1-15-2021, 7-19-2024
CHECKED: K. Brandon
DESIGNED: Jeffery E. Syar
STANDARD HYDRAULIC CONSTRUCTION DRAWING CATCH BASIN No. 3
DESIGN AGENCY
DOCUMENT NUMBER: CB-3
SHEET: P.2 TOTAL: 2

CB-2-2A,2B,2C

CB-3

CAD FILE: R:\010\010-10148.00-5th & Myers Waterline Improvement-City Of Toronto-\Drawing\05 GENERAL DETAILS\ CATCH BASINS.dwg PLOT DATE/TIME: 2/24/2025 8:29 AM LAYOUT: D5 GENERAL DETAILS – CATCH BASINS USER: nathan d. keren

STRUCTURE TABLE					
Structure Name	**Northing**	**Easting**	**Elevations**	**Part Size**	**Alignment**
CB-S1	290623.3130'	2491778.6130'	T/G = 764.82 24" RCP, E, INV. ELV.=757.83 15" RCP, SW, INV. ELV.=758.00 18" RCP, W, INV. ELV.=758.89	CB-3 Rim to Sump = 7.0'	E Fernwood Drive
CB-S2	290596.1670'	2491767.5570'	T/G = 765.97 15" RCP, NE, INV. ELV.=762.11	CB-3A Rim to Sump = 3.9'	E Fernwood Drive
CB-S3	290592.2060'	2491782.8290'	T/G = 765.15 12" RCP, S, INV. ELV.=762.28 12" VCP, N, INV. ELV.=762.25 12" VCP, E, INV. ELV.=762.15	CB-2-2C Rim to Sump = 3.0'	E Fernwood Drive
CB-S4	290574.0240'	2491783.7170'	T/G = 765.22 12" RCP, N, INV. ELV.=762.57 6" PVC, S, INV. ELV.=763.17	CB-3A Rim to Sump = 2.7'	E Fernwood Drive
CB-S5	290201.0620'	2491777.3840'	T/G = 766.07 30" RCP, S, INV. ELV.=756.24 12" RCP, W, INV. ELV.=760.07 30" RCP, E, INV. ELV.=756.07	CB-3 Rim to Sump = 10.0'	E Fernwood Drive
CB-S6	290194.3890'	2491748.5100'	T/G = 766.70 4" PVC, N, INV. ELV.=764.90 4" CPP, S, INV. ELV.=764.80 12" RCP, E, INV. ELV.=763.60	CB-3A Rim to Sump = 3.1'	E Fernwood Drive
CB-S7	299495.1467'	2496617.4280'	T/G = 767.19 12" RCP, E, INV. ELV.=763.57 4" PVC, S, INV. ELV.=764.79	CB-3A Rim to Sump = 3.6'	E Fernwood Drive
CB-S8	299522.9033'	2496616.6612'	T/G = 766.74 30" RCP, N, INV. ELV.=759.09 30" RCP, S, INV. ELV.=759.14 12" RCP, W, INV. ELV.=763.29	CB-3 Rim to Sump = 7.7'	E Fernwood Drive
CB-S9	289821.2220'	2491715.5260'	T/G = 767.41 6" PVC, N, INV. ELV.=765.51 8" PVC, E, INV. ELV.=764.21	CB-2-2C Rim to Sump = 3.2'	E Fernwood Drive
CB-S10	289817.9900'	2491741.7840'	T/G = 766.85 12" RCP, W, INV. ELV.=763.91 30" RCP, N, INV. ELV.=761.66 30" RCP, S, INV. ELV.=761.86	CB-3 Rim to Sump = 5.2'	E Fernwood Drive
CB-S11	289817.9900'	2491741.7840'	T/G = 768.44 6" PVC, S, INV. ELV.=766.61	CB-3A Rim to Sump = 1.9'	E Fernwood Drive
CB-S12	289590.2030'	2491720.7440'	T/G = 767.70 30" RCP, N, INV. ELV.=764.08 12" RCP, S, INV. ELV.=764.68 30" RCP, SW, INV. ELV.=764.13	CB-3 Rim to Sump = 3.6'	E Fernwood Drive
CB-S13	289558.6750'	2491687.6040'	T/G = 768.28 4" PVC, N, INV. ELV.=767.60 6" PVC, N, INV. ELV.=765.95 6" PVC, N, INV. ELV.=766.35 30" RCP, NE, INV. ELV.=765.20 30" RCP, S, INV. ELV.=764.55 4" PVC, S, INV. ELV.=767.75 18" RCP, W, INV. ELV.=765.35	CB-3 Rim to Sump = 3.7'	E Fernwood Drive
CB-S14	289541.0590'	2491716.2530'	T/G = 768.15 12" RCP, N, INV. ELV.=765.65 4" PVC, E, INV. ELV.=766.00	CB-3A Rim to Sump = 2.5'	E Fernwood Drive
CB-S15	289274.2640'	2491663.2960'	T/G = 772.72 6" PVC, S, INV. ELV.=771.69 4" PVC, SW, INV. ELV.=771.86 4" PVC, N, INV. ELV.=771.66 24" RCP, N, INV. ELV.=768.71 24" RCP, S, INV. ELV.=768.81	CB-3 Rim to Sump = 4'	E Fernwood Drive
CB-S16	288981.6080'	2491635.3010'	T/G = 780.00 24" RCP, N, INV. ELV.=775.14 24" RCP, SW, INV. ELV.=775.39	CB-3 Rim to Sump = 4.9'	E Fernwood Drive
CB-S17	288973.9320'	2491623.6050'	T/G = 780.55 24" RCP, NE, INV. ELV.=775.42 15" RCP, S, INV. ELV.=775.59 18" RCP, W, INV. ELV.=775.52	CB-3 Rim to Sump = 5'	E Fernwood Drive
CB-S18	288945.7130'	2491624.6550'	T/G = 780.72 15" RCP, N, INV. ELV.=776.22 15" RCP, SE, INV. ELV.=776.25	CB-3A Rim to Sump = 4.5'	E Fernwood Drive
CB-S19	288924.4560'	2491630.8910'	T/G = 781.60 12" RCP, E, INV. ELV.=776.92 10" PVC, SW, INV. ELV.=776.80 15" RCP, NW, INV. ELV.=776.70	CB-3A Rim to Sump = 4.9'	E Fernwood Drive
CB-S20	288923.7780'	2491659.2700'	T/G = 781.10 12" RCP, W, INV. ELV.=777.56	CB-3A Rim to Sump = 3.6'	E Fernwood Drive