

- WQCV TRASH RACKS:**
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTAIN FRAME.
  2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
  3. TRASH RACK WIDTHS ARE FOR SPECIFIED TRASH RACK MATERIAL. FINER WELL-SCREEN OR MESH SIZE THAN SPECIFIED IS ACCEPTABLE, HOWEVER, TRASH RACK DIMENSIONS NEED TO BE ADJUSTED FOR MATERIALS HAVING A DIFFERENT OPEN AREA/GROSS AREA RATION (R VALUE).
- OVERFLOW TRASH RACKS:**
1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND BE PROVIDED WITH HINGED AND BOLTABLE ACCESS PANELS.
  2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER PAINTED AFTER GALVANIZING.
- ORIFICE PLATES:**
1. STEEL ORIFICE PLATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER PAINTED AFTER GALVANIZING.
- STANDARD INLET GRATE:**
1. STRUCTURAL STEEL FOR GRATES & GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED & SHALL BE IN ACCORDANCE WITH 712.06.
- GENERAL NOTES:**
1. STEPS SHALL BE PROVIDED WHEN DIMENSION "H" EXCEEDS 3-FT-6 IN. AND SHALL BE IN ACCORDANCE WITH AASHTO M 199.

THE GARDENS AT NORTH CAREFREE  
POND AS-BUILTS  
FIELD DATA COLLECTED 11-06-2020, 11-11-2020 AND 1-7-2022

**ENGINEERING STATEMENT**

THE DETENTION POND SHOWN ON THIS EXHIBIT, CONSTRUCTED AS PART OF THE GARDENS AT NORTH CAREFREE HAS BEEN CONSTRUCTED TO MEET OR EXCEED ITS RESPECTIVE DESIGN PARAMETERS. CHARLES K. COTHERN, PE, COLORADO COLORADO REGISTRATION NO. 24997

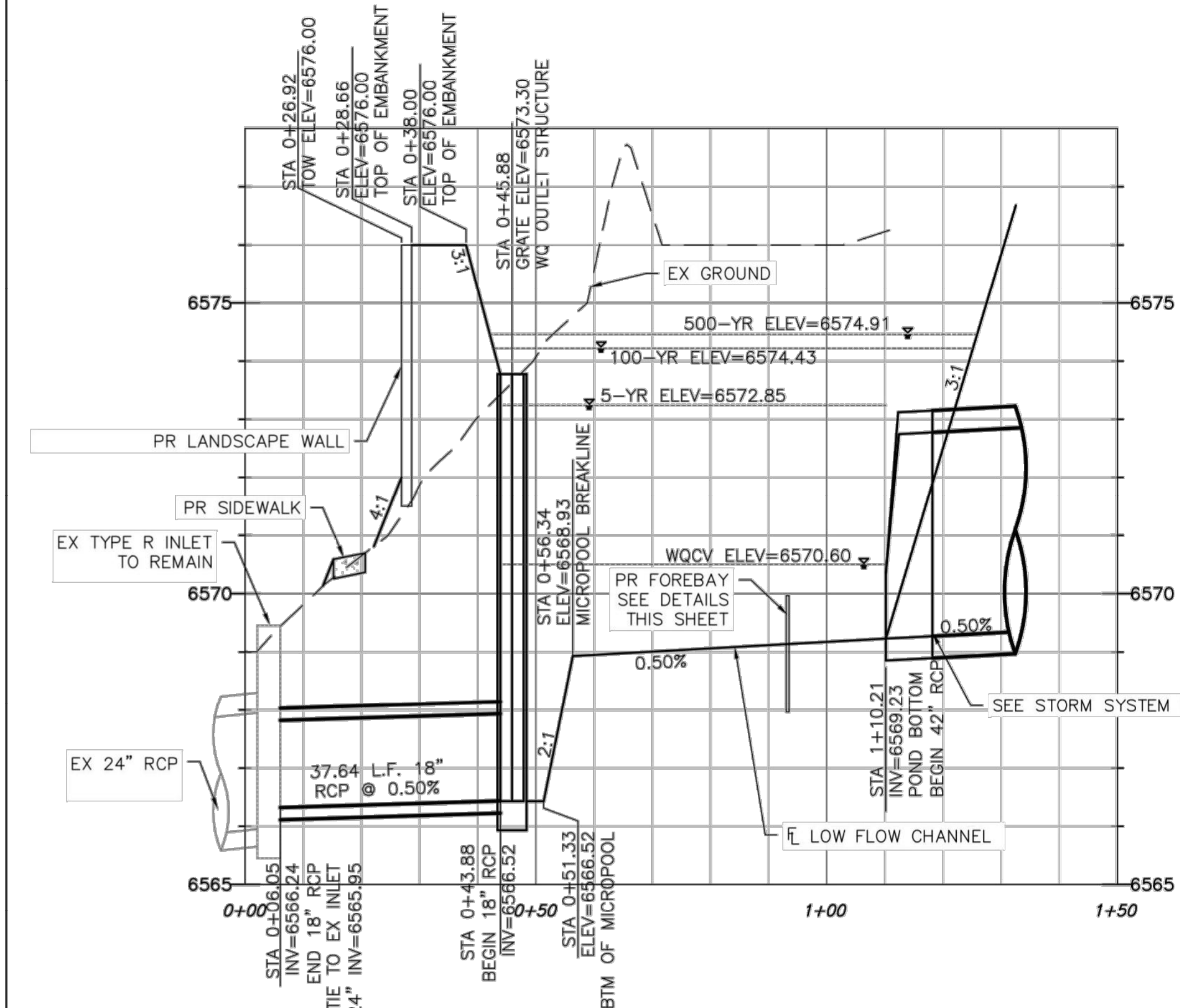
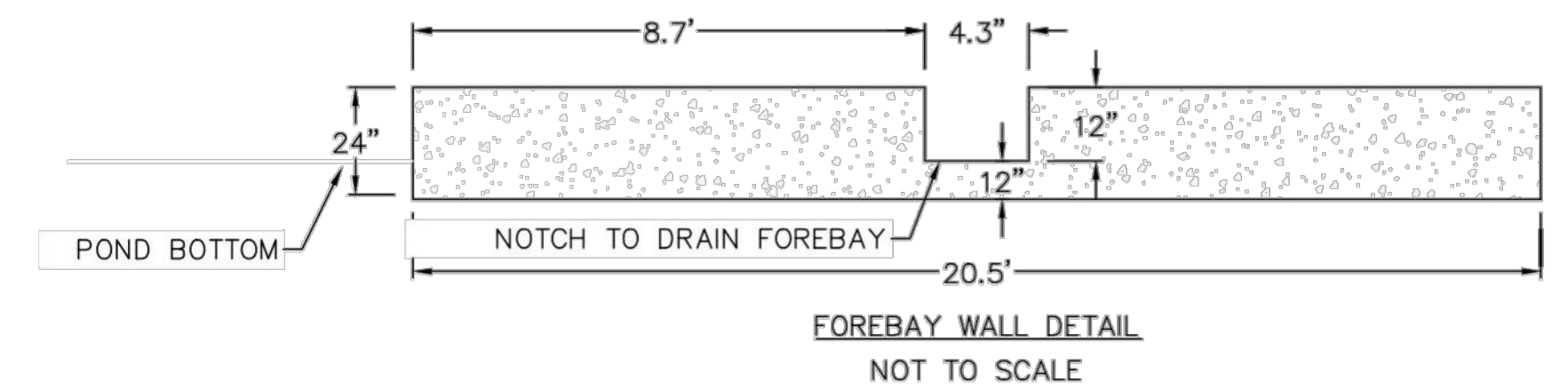
SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

PRINTED NAME: CHARLES K. COTHERN



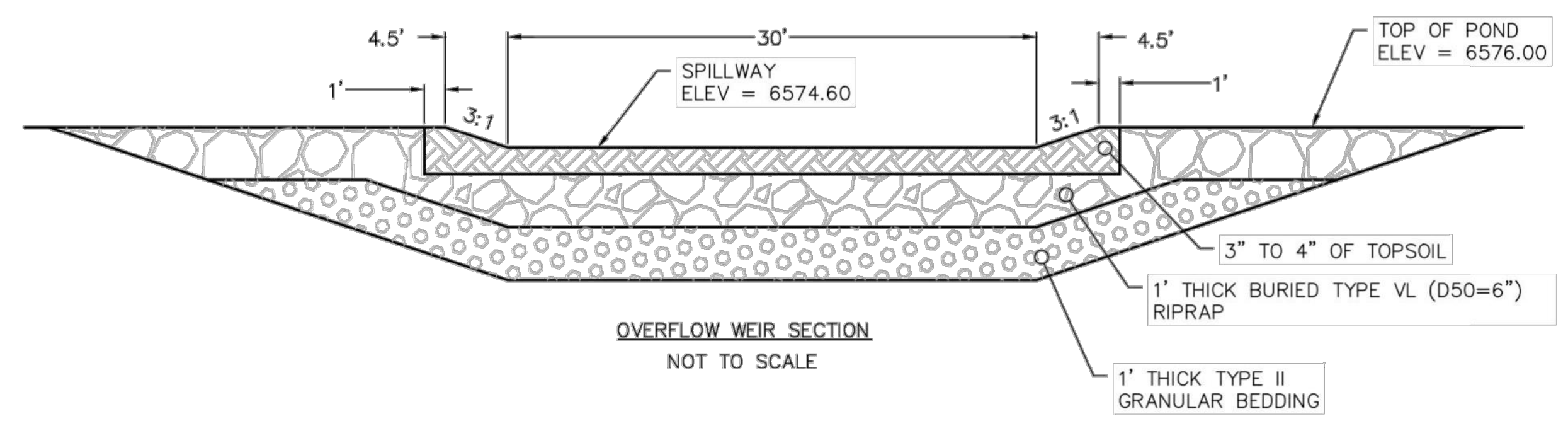
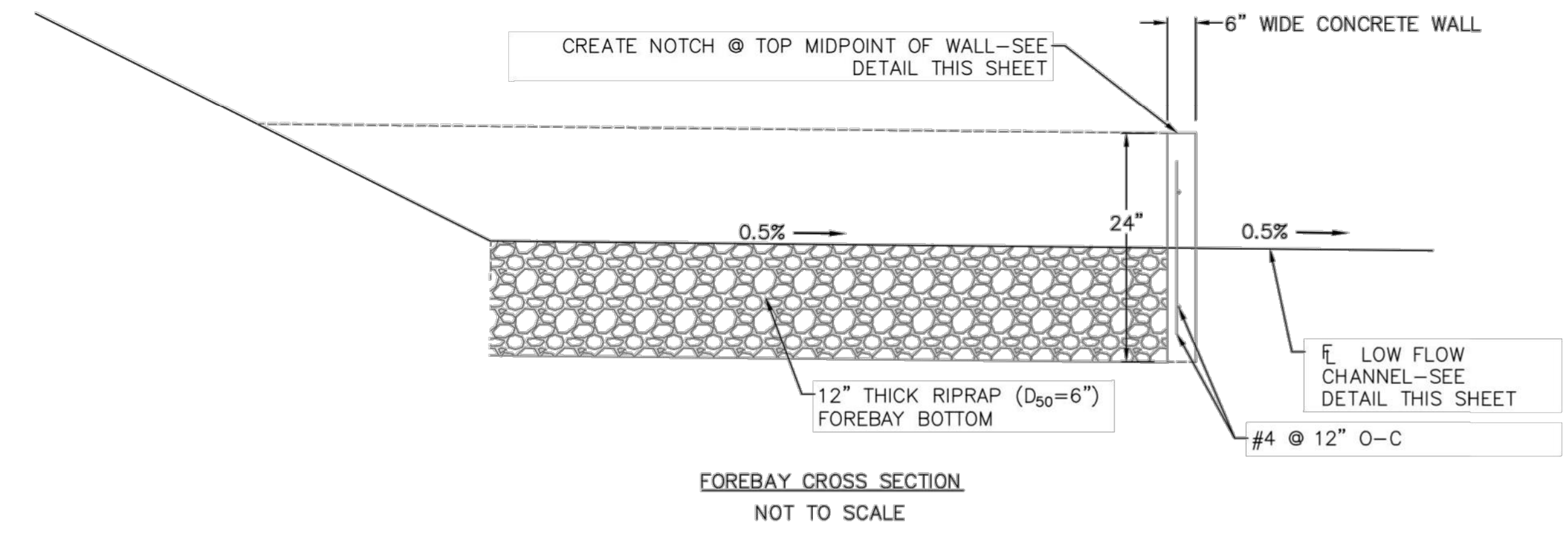
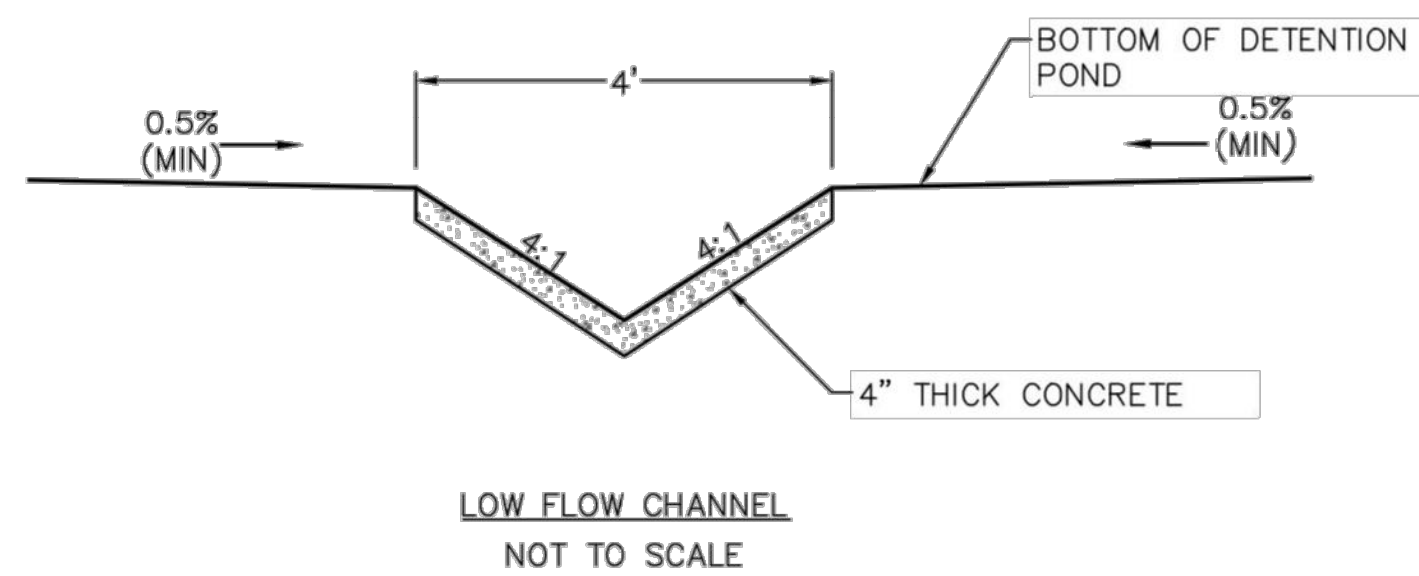
**AS-BUILT POND PROPERTIES**

AS-BUILT POND VOLUME = 58632.903 CF = 1.346 Ac.Ft.  
DESIGN POND VOLUME = 53,056 CF = 1.216 Ac.Ft.



**LINE TABLE: ALIGNMENTS**

| LINE # | LENGTH | START STA | END STA | DIRECTION        | START POINT (EAST, NORTH) | END POINT (EAST, NORTH) |
|--------|--------|-----------|---------|------------------|---------------------------|-------------------------|
| L7     | 6.05   | 0+00.00   | 0+06.05 | N79° 42' 46.45"E | (3239.78,5736.61)         | (3245.73,5737.69)       |
| L8     | 36.23  | 0+06.05   | 0+42.28 | N54° 19' 54.69"E | (3245.73,5737.69)         | (3275.16,5758.81)       |
| L9     | 4.00   | 0+42.28   | 0+46.28 | N86° 53' 02.73"E | (3275.16,5758.81)         | (3279.16,5759.03)       |
| L10    | 12.05  | 0+46.28   | 0+58.33 | N75° 25' 25.98"E | (3279.16,5759.03)         | (3290.82,5762.06)       |
| L11    | 22.49  | 0+58.33   | 0+80.82 | N63° 16' 09.27"E | (3290.82,5762.06)         | (3310.91,5772.18)       |
| L12    | 13.35  | 0+80.82   | 0+94.17 | N82° 51' 22.50"E | (3310.91,5772.18)         | (3324.15,5773.84)       |
| L13    | 16.65  | 0+94.17   | 1+10.82 | S82° 16' 52.95"E | (3324.15,5773.84)         | (3340.65,5771.60)       |



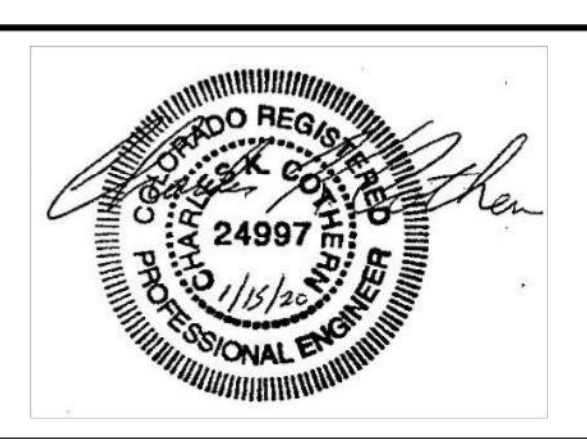
**Computer File Information**

|                                |                    |
|--------------------------------|--------------------|
| Creation Date: 4-25-17         | Initials: CMD      |
| Last Modification Date:        | Initials:          |
| Full Path & Drawing File Name: |                    |
| Acad Ver. 2014                 | Scale: Units: Feet |

**Index of Revisions**

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**GARDENS AT NORTH CAREFREE  
NORTH WQ POND**

|              |                   |
|--------------|-------------------|
| Designer: CD | Structure Numbers |
| Detailer: MB |                   |
| Sheet Subst: |                   |

**Project No./Code**  
187608744

**SHEET 24 OF 34**

EPC 1/16/20