

- BMP NOTES:**
- (1) EXISTING VEGETATION CONSISTS OF NATIVE GRASSES AND SCATTERED SHRUBS.
  - (2) EXISTING SANITARY SEWER MAINLINE IS LOCATED WITHIN THE LIMITS OF ON-SITE GRADING.
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 WATER QUALITY CONTROL DIVISION  
 WOOD - PERMITS  
 4300 CHERRY CREEK DRIVE SOUTH  
 DENVER, CO 80246-1530  
 ATTN: PERMITS UNIT

NO PORTION OF THIS SITE IS LOCATED WITHIN A FLOODPLAIN AS DETERMINED BY THE FLOOD INSURANCE RATE MAPS (F.I.R.M.) MAP NUMBER 08041C0752F AND EFFECTIVE DATE, MARCH 17, 1997.

THE AVERAGE SOIL CONDITION REFLECTS PRING COURSE SANDY LOAM AS DETERMINED BY THE "SOIL SURVEY OF EL PASO COUNTY AREA" PREPARED BY THE U.S. SOIL CONSERVATION SERVICE.

EXISTING VEGETATION CONSISTS OF TALL NATIVE GRASSES AND WEEDS WITH SPORADIC CACTI AND YUCCAS THROUGH-OUT THE SITE.

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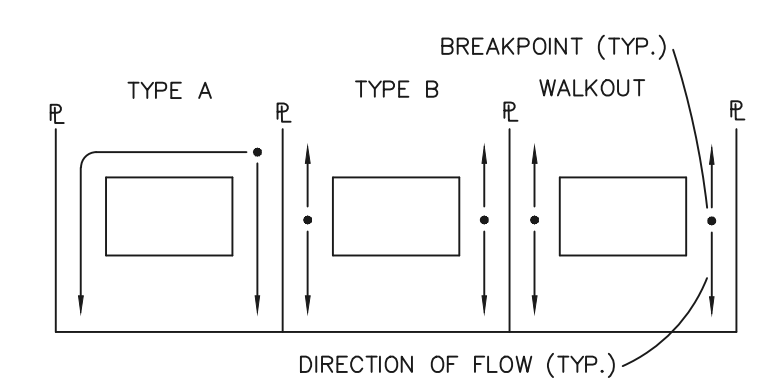
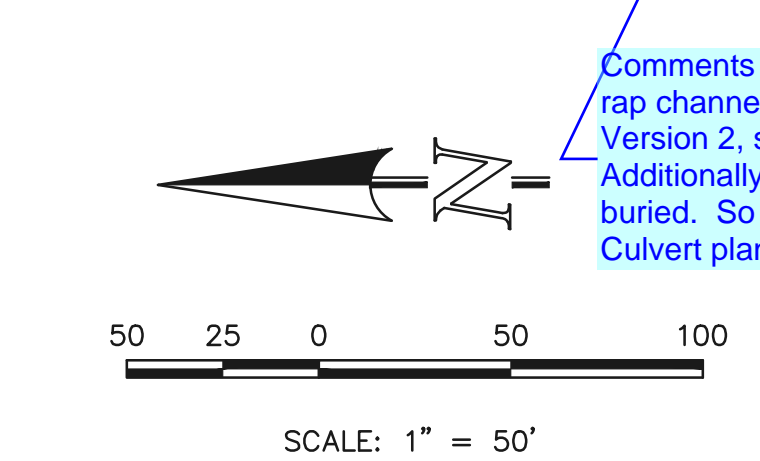
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ALL RETAINING WALLS TO BE STACKED BLOCK WALLS. BUILDING PERMIT REQUIRED FOR WALLS 4' OR TALLER.



**LOT DRAINAGE TYPES**

**NOTE:**  
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Comments on the version 1 review requested that the box culvert and the rip rap channel improvements (MVE plans) be included in the plan set. This set, Version 2, shows some box culvert details but no channel improvement details. Additionally the above grading contours show the box culvert and rip rap buried. So the previous comment still stands. Include the Rip Rap and Box Culvert plans with this set.

SEE SHEET 3

**LEGEND**

- (6770) EXISTING CONTOUR
- 6770 PROPOSED CONTOUR
- FILING LINE
- BOUNDARY/R.O.W. LINE
- EXISTING FLOW DIRECTION
- PROPOSED FLOW
- "A" A LOT
- "B" B LOT
- "W/O" WALKOUT LOT
- "T" TRANSITION LOT
- "G" GARDEN LOT
- PROPOSED INLET
- PROPOSED STORM SEWER PIPE
- HP PROPOSED HIGH POINT
- LP PROPOSED LOW POINT
- PROPOSED RETAINING WALL
- (TSB) TEMPORARY SEDIMENT BASIN
- (SF) SILT FENCE
- (IP) INLET PROTECTION
- (VTC) VEHICLE TRACKING CONTROL

**NOTE:**  
 SEE SHEET 5 FOR LOT TEMPLATES  
 SEE SHEET 5 FOR EROSION CONTROL DETAILS  
**SF-18-038, 039, 040**

| <p>48 HOURS BEFORE YOU DIG,<br/>         CALL UTILITY LOCATORS<br/> <b>811</b><br/>         UTILITY NOTIFICATION CENTER OF COLORADO<br/>         IT'S THE LAW</p> | <table border="1"> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | NO.  | REVISION | DATE |  |  |  | <p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>KYLE R. CAMPBELL, COLORADO P.E. #29794      DATE</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------|----------|------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NO.                                                                                                                                                               | REVISION                                                                                                                        | DATE |          |      |  |  |  |                                                                                                                                                                                         |
|                                                                                                                                                                   |                                                                                                                                 |      |          |      |  |  |  |                                                                                                                                                                                         |

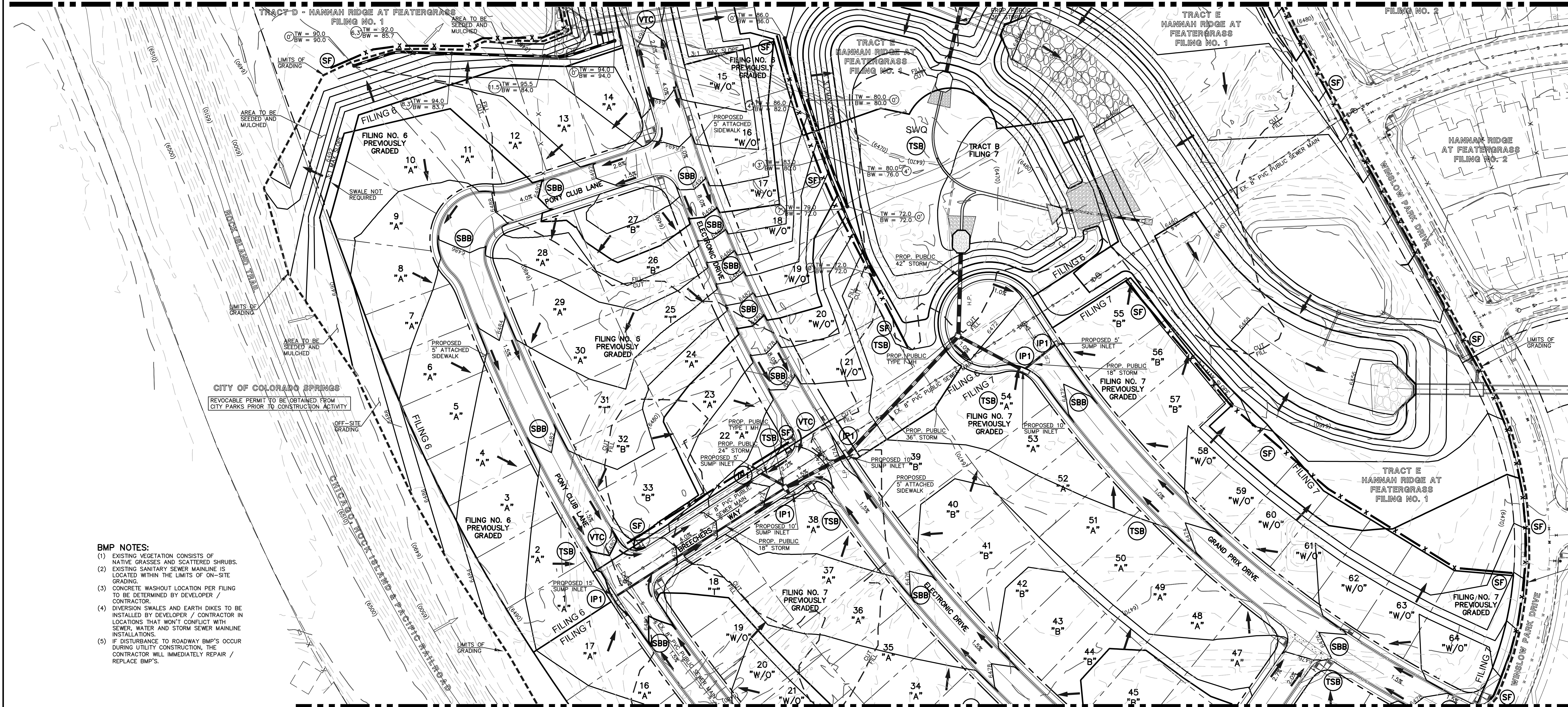
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**CLASSIC**  
 CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200  
 Colorado Springs, Colorado 80903  
 (719) 785-0790  
 (719) 785-0799 (fax)

|                                                                                                                                |     |              |                 |
|--------------------------------------------------------------------------------------------------------------------------------|-----|--------------|-----------------|
| <b>HANNAH RIDGE AT FEATHERGRASS<br/>         FILING NO. 5, 6 &amp; 7<br/>         OVERLOT GRADING AND EROSION CONTROL PLAN</b> |     |              |                 |
| DESIGNED BY                                                                                                                    | KRC | SCALE        | DATE            |
| DRAWN BY                                                                                                                       | KC  | (H) 1" = 50' | SHEET 2 OF 11   |
| CHECKED BY                                                                                                                     | (V) | 1" = NA      | JOB NO. 1116.05 |





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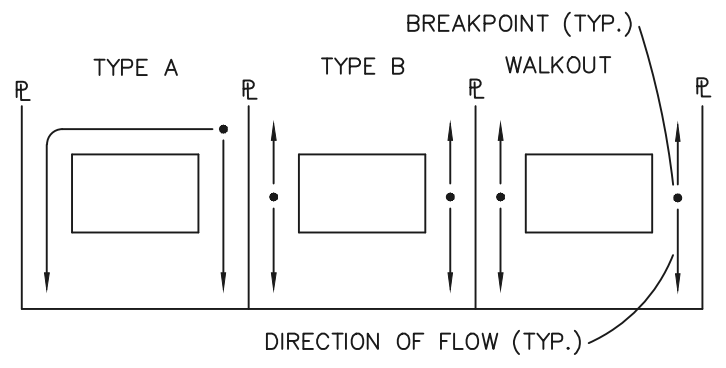
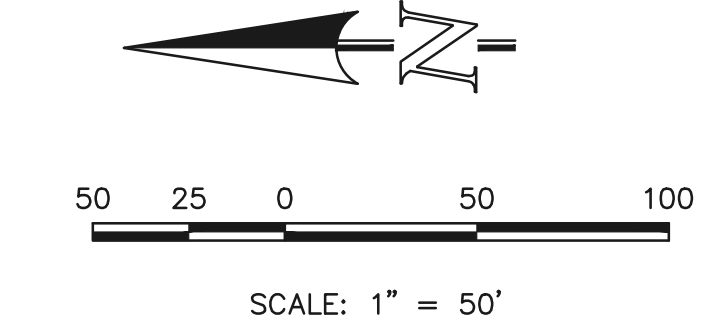
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**LEGEND**

|        |                           |                            |                          |
|--------|---------------------------|----------------------------|--------------------------|
| (6770) | EXISTING CONTOUR          | (TW = XX.XX<br>BW = XX.XX) | PROPOSED RETAINING WALL  |
| 6770   | PROPOSED CONTOUR          | (TSB)                      | TEMPORARY SEDIMENT BASIN |
| ---    | FILING LINE               | (SF)                       | SILT FENCE               |
| ---    | BOUNDARY/R.O.W. LINE      | (IP)                       | INLET PROTECTION         |
| →      | EXISTING FLOW DIRECTION   | (VTC)                      | VEHICLE TRACKING CONTROL |
| →      | PROPOSED FLOW             | (SBB)                      | STRAW BALE BARRIER       |
| "A"    | A LOT                     |                            |                          |
| "B"    | B LOT                     |                            |                          |
| "W/O"  | WALKOUT LOT               |                            |                          |
| "T"    | TRANSITION LOT            |                            |                          |
| "G"    | GARDEN LOT                |                            |                          |
| □      | PROPOSED INLET            |                            |                          |
| HP     | PROPOSED STORM SEWER PIPE |                            |                          |
| LP     | PROPOSED HIGH POINT       |                            |                          |
|        | PROPOSED LOW POINT        |                            |                          |

**NOTE:**  
SEE SHEET 5 FOR LOT TEMPLATES  
SEE SHEET 5 FOR EROSION CONTROL DETAILS

|                                                                                                                                                                                                                                                                                                                                                                    |  |              |      |
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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

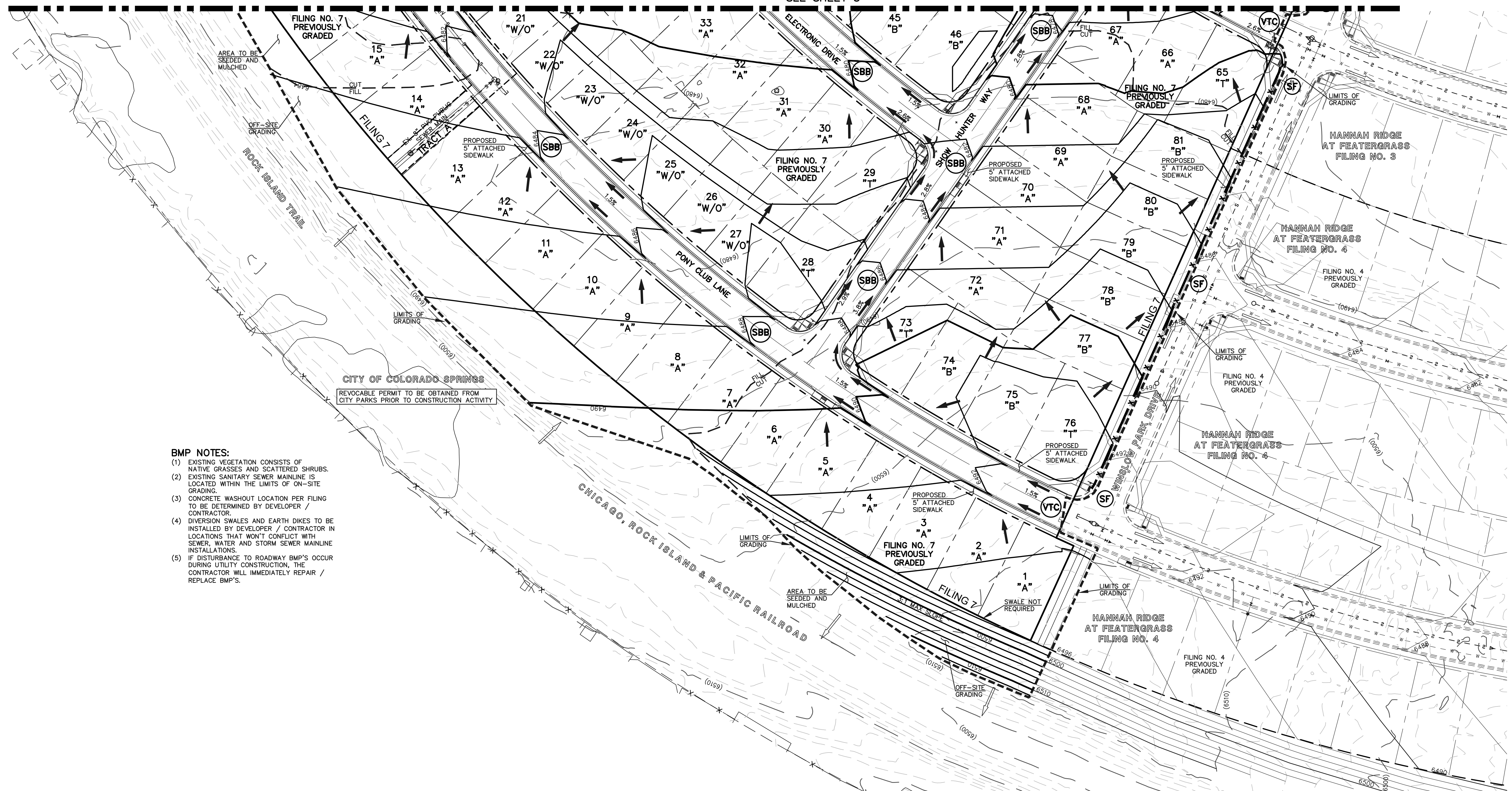
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| DRAWN BY                                                                                        | KC  | (H) 1" = 50' | SHEET 3 OF 11   |
| CHECKED BY                                                                                      |     | (V) 1" = NA  | JOB NO. 1116.05 |

CLASSIC CONSULTING ENGINEERS & SURVEYORS



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CITY OF COLORADO SPRINGS  
REVOCABLE PERMIT TO BE OBTAINED FROM CITY PARKS PRIOR TO CONSTRUCTION ACTIVITY

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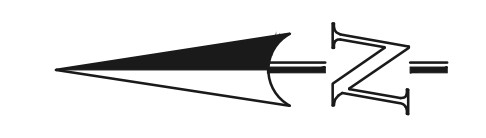
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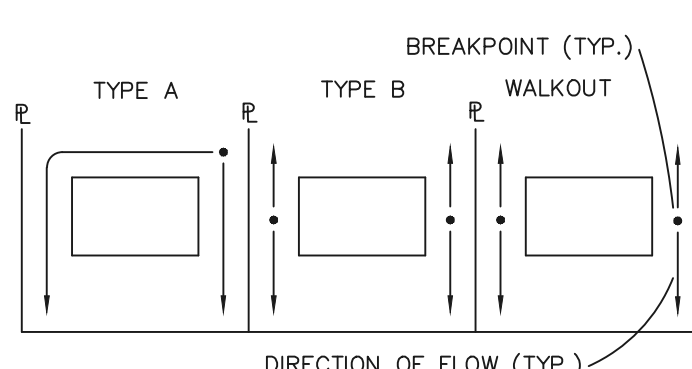
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| LP     | PROPOSED LOW POINT        |
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| ⊗      | PROPOSED RETAINING WALL   |
| (TSB)  | TEMPORARY SEDIMENT BASIN  |
| (SF)   | SILT FENCE                |
| (IP)   | INLET PROTECTION          |
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**NOTE:**  
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SEE SHEET 5 FOR EROSION CONTROL DETAILS  
**SF-18-038, 039, 040**

|                                                                                                                                                                                                                                                                                                                                                                    |  |              |      |
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|                                                                                                                                                                                                                                                                                                                                                                    |  |              |      |

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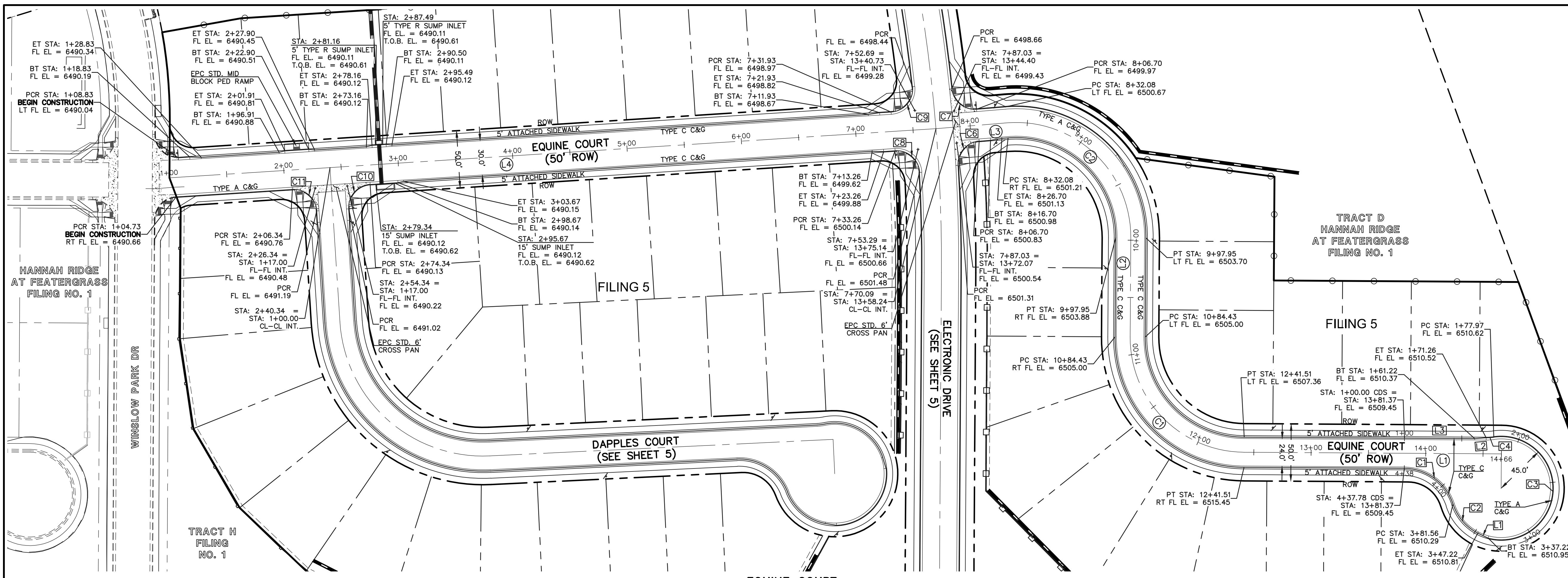


**STREET ABBREVIATION INDEX:**

EQC EQUINE COURT  
 ETD ELECTRONIC DRIVE  
 DPC DAPPLES COURT  
 WPD WINSLOW PARK DRIVE



SCALE: 1" = 50'



**CENTERLINE LINE TABLE**

| LENGTH    | BEARING          |
|-----------|------------------|
| L1 224.47 | S0° 21' 32.94"W  |
| L2 86.48  | N89° 38' 27.06"W |
| L3 61.98  | S4° 40' 44.62"E  |
| L4 670.09 | S3° 40' 25.25"E  |

**CENTERLINE CURVE TABLE**

| LENGTH    | RADIUS | DELTA |
|-----------|--------|-------|
| C1 157.08 | 100.00 | 90.00 |
| C2 165.87 | 100.00 | 95.04 |

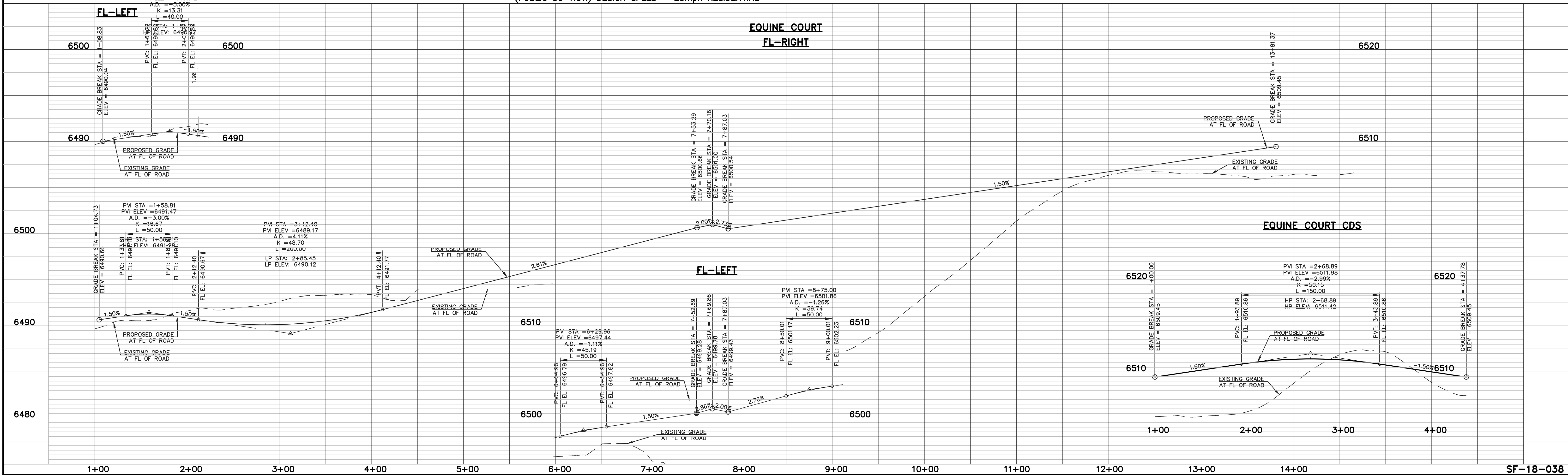
**FL CURB CURVE TABLE**

| LENGTH    | RADIUS | DELTA  |
|-----------|--------|--------|
| C1 56.22  | 45.00  | 71.58  |
| C2 34.34  | 44.17  | 44.55  |
| C3 159.24 | 45.00  | 202.75 |
| C4 6.71   | 45.00  | 8.55   |
| C5 17.64  | 45.00  | 22.47  |
| C6 30.95  | 20.00  | 88.67  |
| C7 30.95  | 20.00  | 88.67  |
| C8 31.59  | 20.00  | 90.49  |
| C9 32.31  | 20.00  | 92.55  |
| C10 31.42 | 20.00  | 90.00  |
| C11 31.42 | 20.00  | 90.00  |

**FL CURB LINE TABLE**

| LENGTH   | BEARING          |
|----------|------------------|
| L1 10.00 | N25° 42' 44.43"E |
| L2 10.03 | S04° 23' 07.88"E |
| L3 61.22 | S00° 21' 32.94"W |

**EQUINE COURT**  
 (PUBLIC 50' ROW) DESIGN SPEED - 25mph RESIDENTIAL



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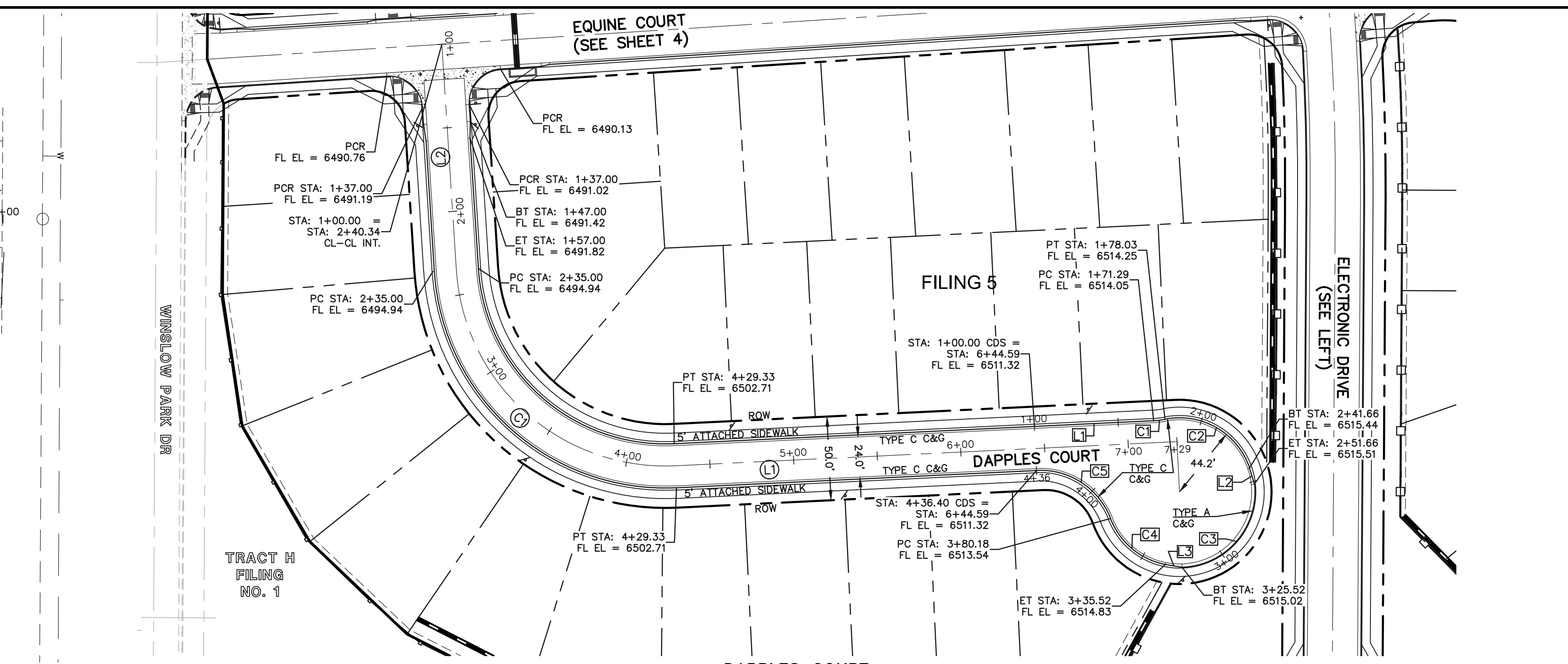
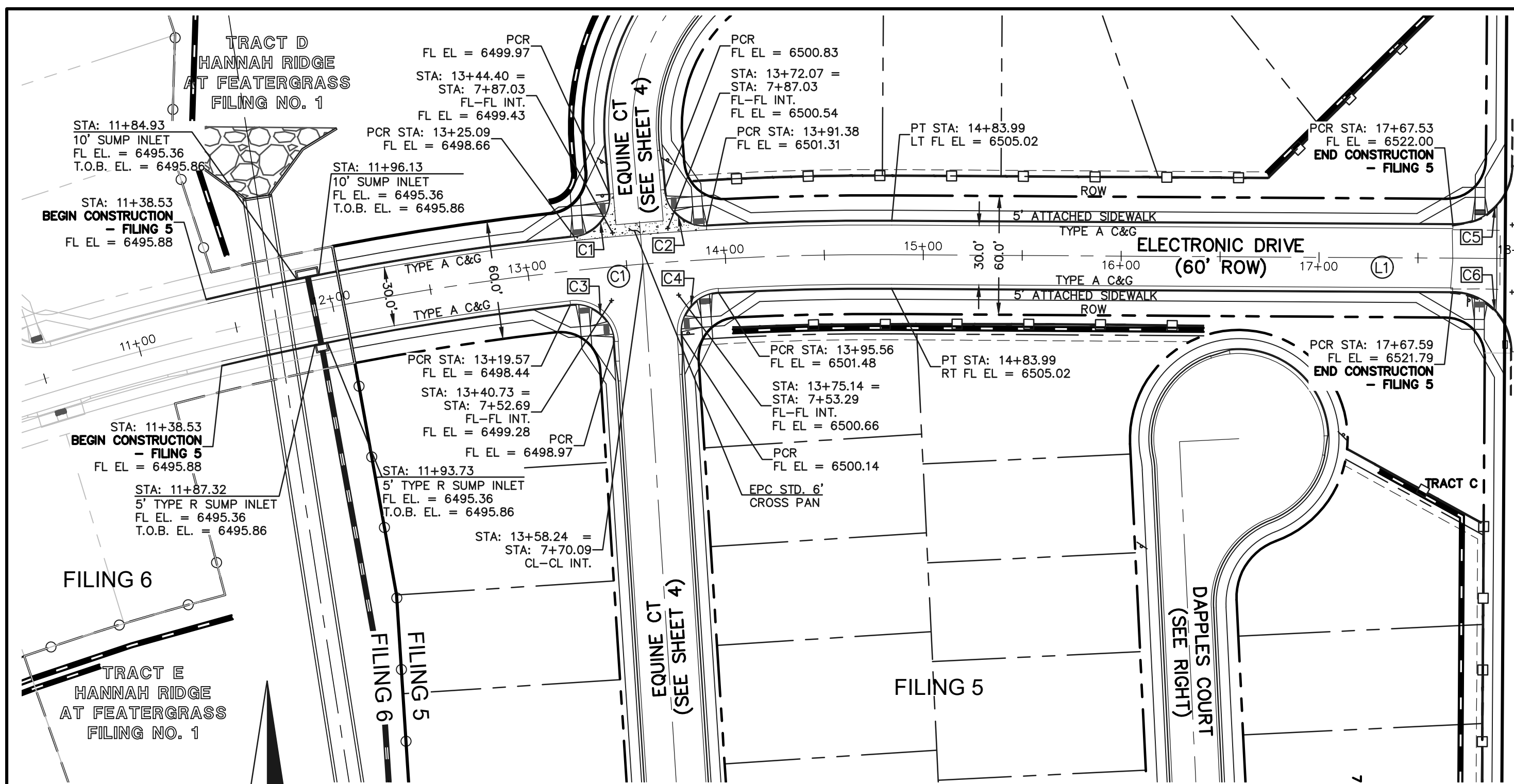
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



**HANNAH RIDGE AT FEATHERGRASS**  
 FILING NO. 5  
 STREET IMPROVEMENT PLANS  
 EQUINE COURT

|             |             |              |         |          |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | KRC         | SCALE        | DATE    | 10/12/18 |
| DRAWN BY    | KC          | (H) 1" = 50' | SHEET   | 6 OF 11  |
| CHECKED BY  | (V) 1" = 5' | JOB NO.      | 1116.05 |          |

SF-18-038



**STREET ABBREVIATION INDEX:**  
 EOC EQUINE COURT  
 ETD ELECTRONIC DRIVE  
 DPC DAPPLES COURT  
 WPD WINSLOW PARK DRIVE

**CENTERLINE LINE TABLE**

| LENGTH    | BEARING          |
|-----------|------------------|
| L1 292.07 | S2° 44' 58.68"E  |
| L2 135.00 | S86° 19' 34.75"W |

**CENTERLINE CURVE TABLE**

| LENGTH    | RADIUS | DELTA |
|-----------|--------|-------|
| C1 194.33 | 125.00 | 89.08 |

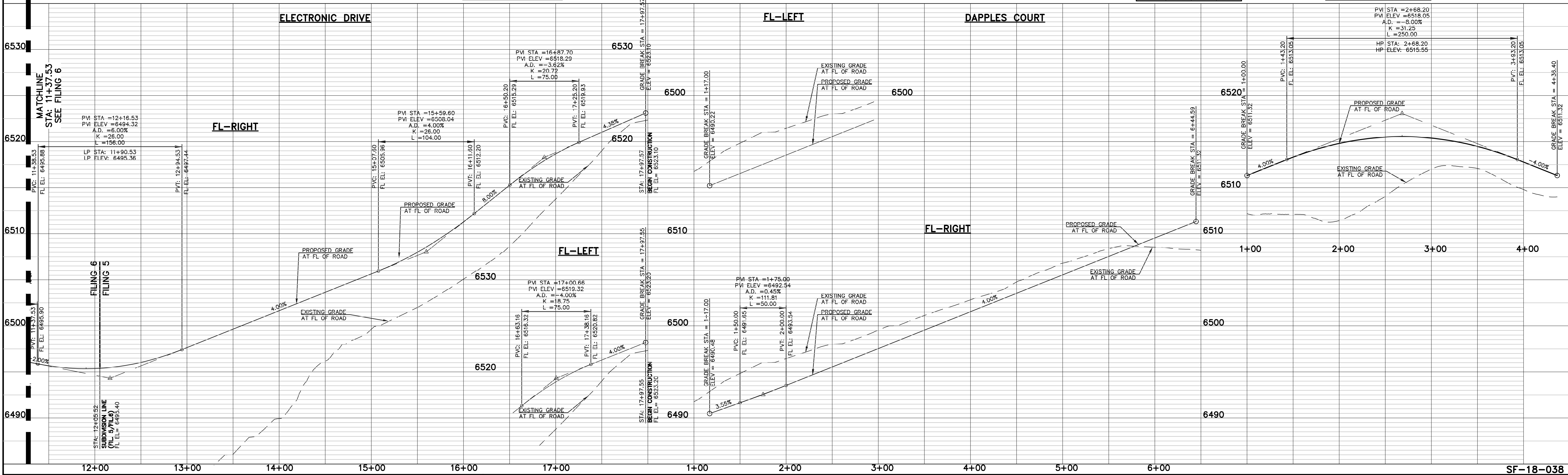
**FL CURB CURVE TABLE**

| LENGTH   | RADIUS | DELTA |
|----------|--------|-------|
| C1 6.75  | 45.00  | 8.59  |
| C2 63.62 | 44.17  | 82.53 |
| C3 73.87 | 45.00  | 94.05 |
| C4 44.66 | 44.17  | 57.93 |
| C5 56.22 | 45.00  | 71.58 |

**FL CURB LINE TABLE**

| LENGTH   | BEARING          |
|----------|------------------|
| L1 71.29 | N02° 44' 58.68"W |
| L2 10.00 | N72° 52' 42.23"E |
| L3 10.00 | S09° 13' 21.15"W |

**SCALE: 1" = 50'**



**48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811**  
 UTILITY NOTIFICATION CENTER OF COLORADO  
 IT'S THE LAW

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| NO. | REVISION | DATE |
|-----|----------|------|
|     |          |      |

REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

**CLASSIC CONSULTING ENGINEERS & SURVEYORS**

618 N. Cascade Avenue, Suite 200  
 Colorado Springs, Colorado 80903  
 (719)785-0790  
 (719)785-0799(Fax)

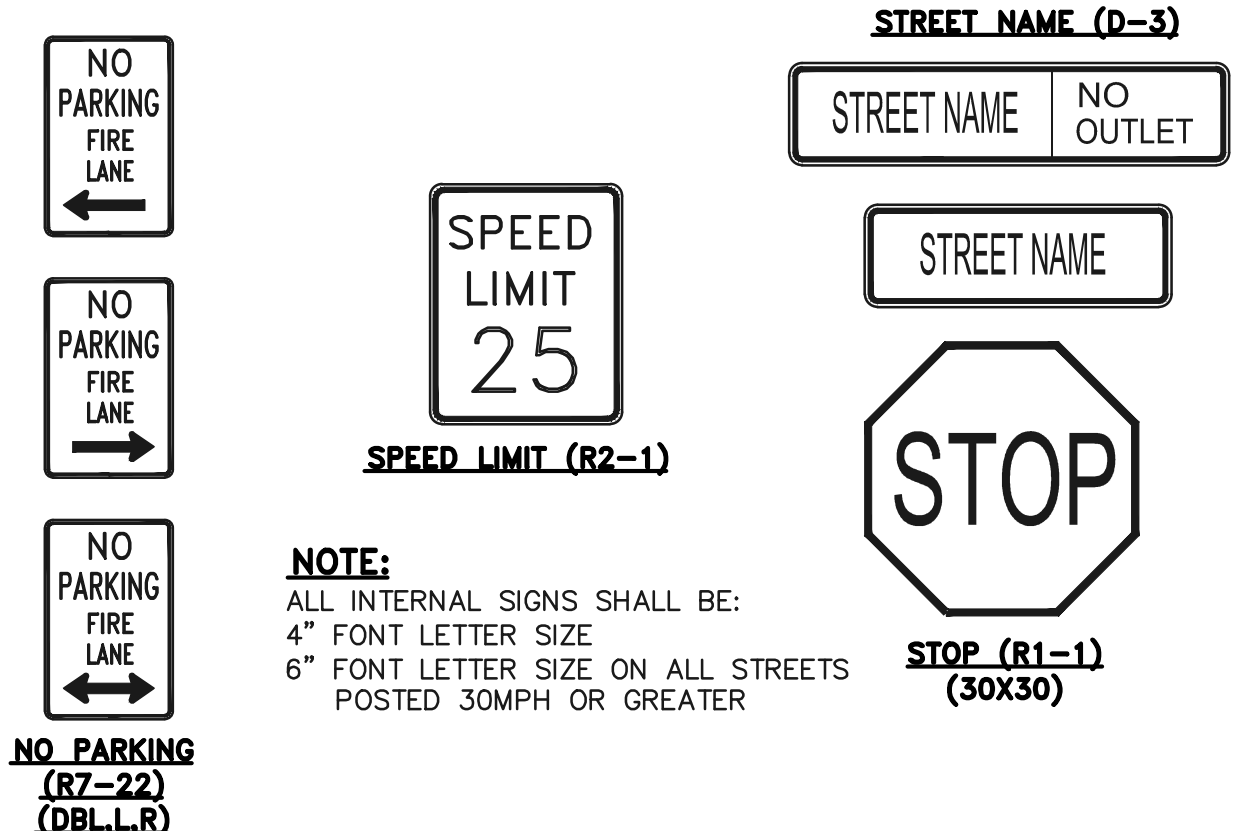
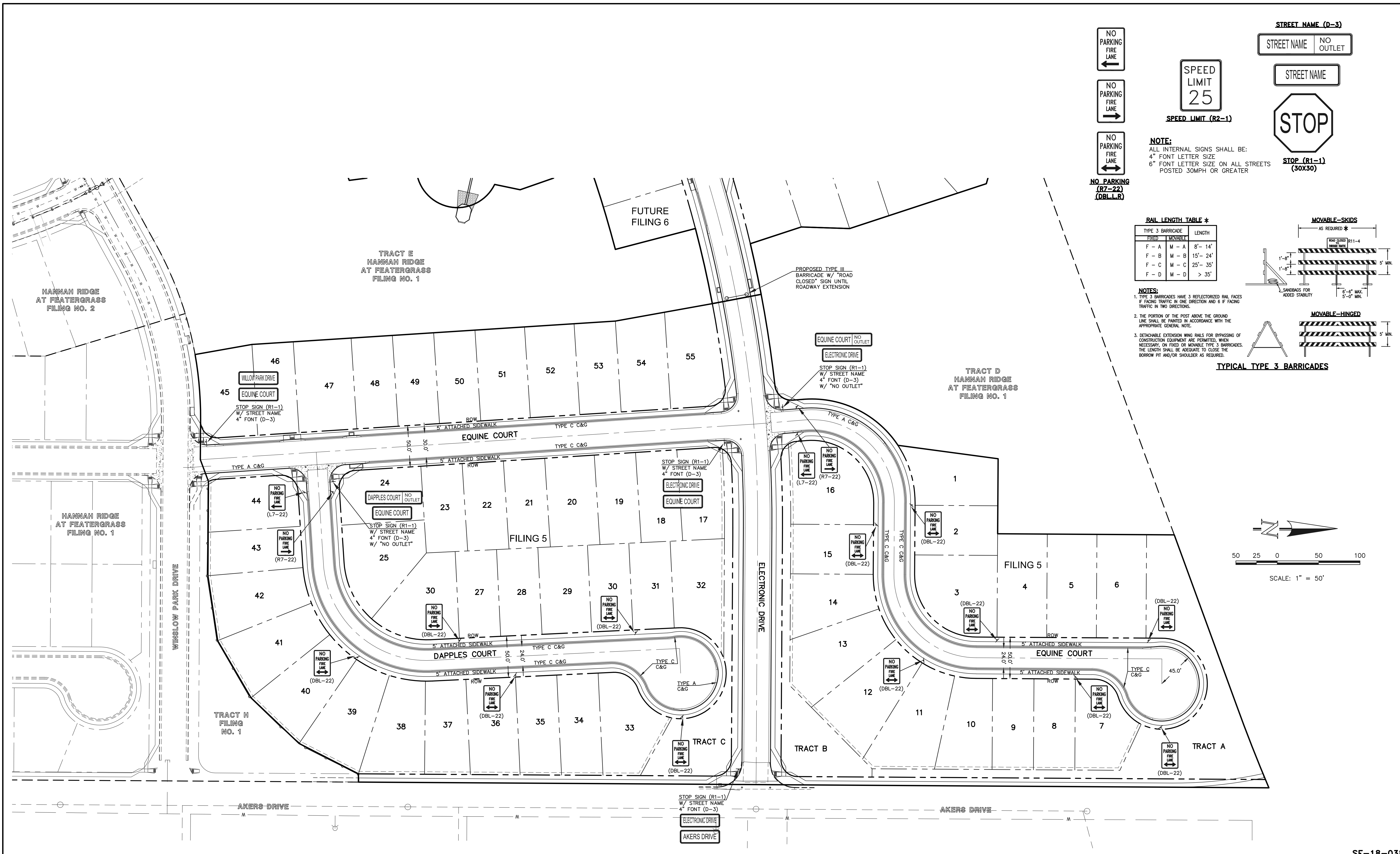
**HANNAH RIDGE AT FEATHERGRASS FILING NO. 5**  
 STREET IMPROVEMENT PLANS  
 ELECTRONIC DRIVE/DAPPLES COURT

| DESIGNED BY | KRC | SCALE | DATE     |
|-------------|-----|-------|----------|
|             |     |       | 10/12/18 |

| DRAWN BY | KC | (H) 1" = 50' | SHEET 7 OF 11 |
|----------|----|--------------|---------------|
|          |    |              |               |

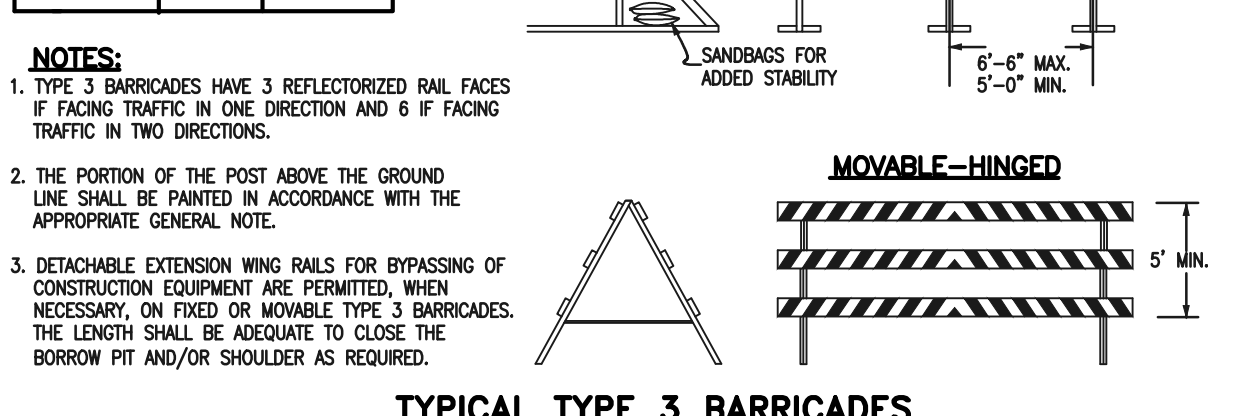
| CHECKED BY | (V) 1" = NA | JOB NO. | 1116.05 |
|------------|-------------|---------|---------|
|            |             |         |         |

**SF-18-038**

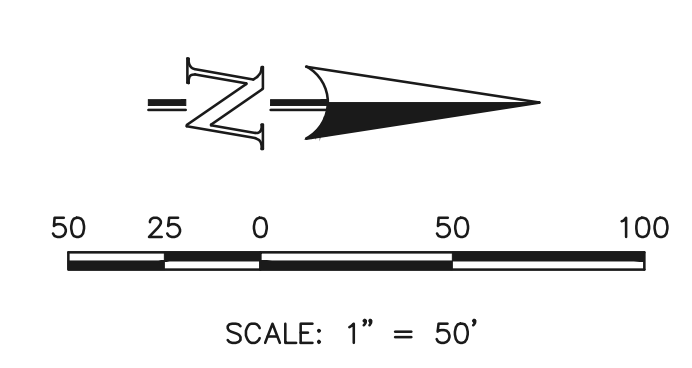


**RAIL LENGTH TABLE \***

| TYPE 3 BARRICADE | FIXED | MOVABLE   | LENGTH |
|------------------|-------|-----------|--------|
| F - A            | M - A | 8' - 14'  |        |
| F - B            | M - B | 15' - 24' |        |
| F - C            | M - C | 25' - 35' |        |
| F - D            | M - D | > 35'     |        |



TYPICAL TYPE 3 BARRICADES



SF-18-038

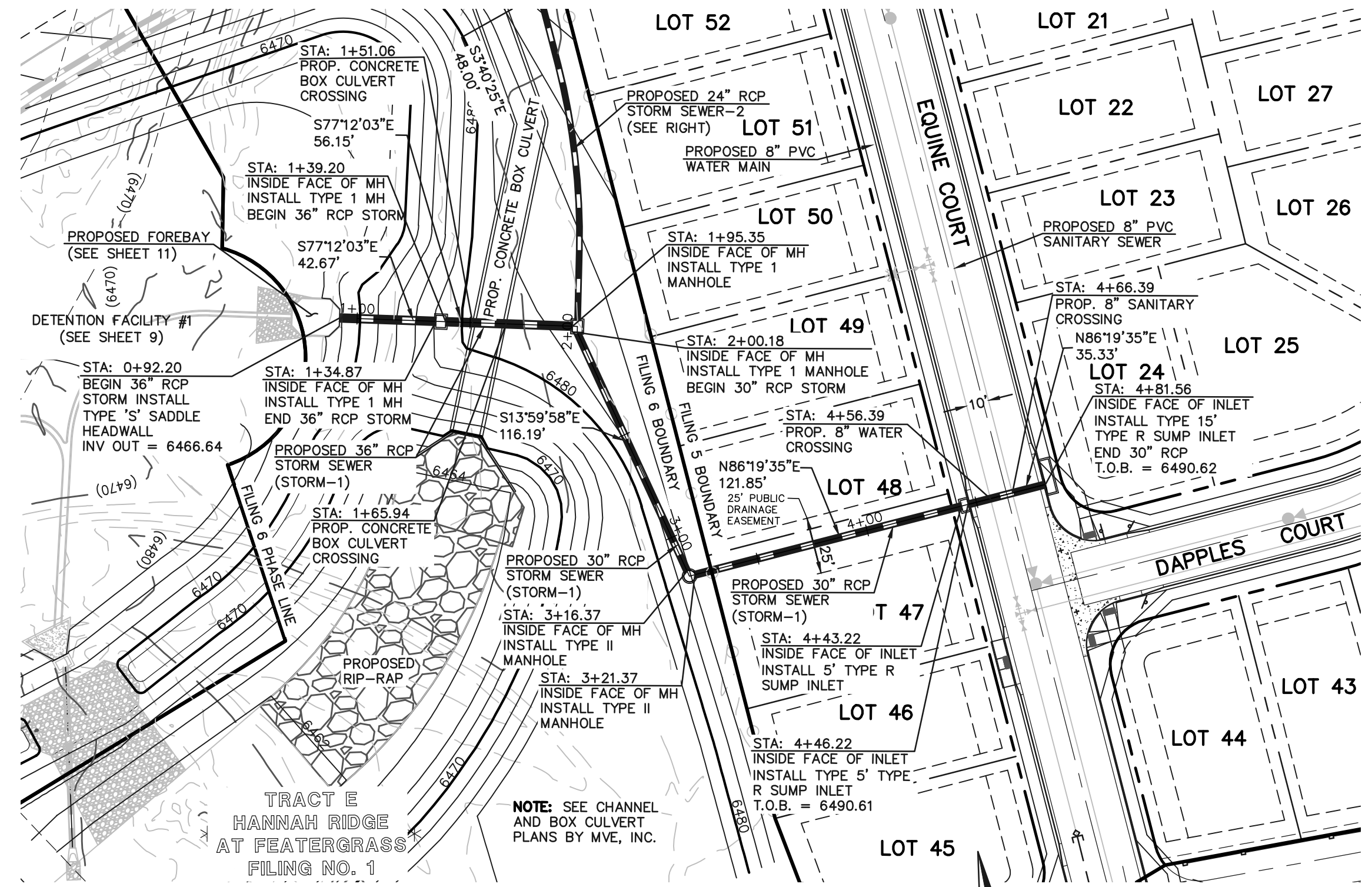
|                                                                                                                                                                                                                                                                                                                                                                    |  |              |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|------|
| 48 HOURS BEFORE YOU DIG,<br>CALL UTILITY LOCATORS<br><b>811</b><br>UTILITY NOTIFICATION CENTER OF COLORADO<br>IT'S THE LAW                                                                                                                                                                                                                                         |  | NO. REVISION | DATE |
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|                                                                                                           |      |
|-----------------------------------------------------------------------------------------------------------|------|
| REVIEW:                                                                                                   | DATE |
| PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC |      |
| KYLE R. CAMPBELL, COLORADO P.E. #29794                                                                    | DATE |

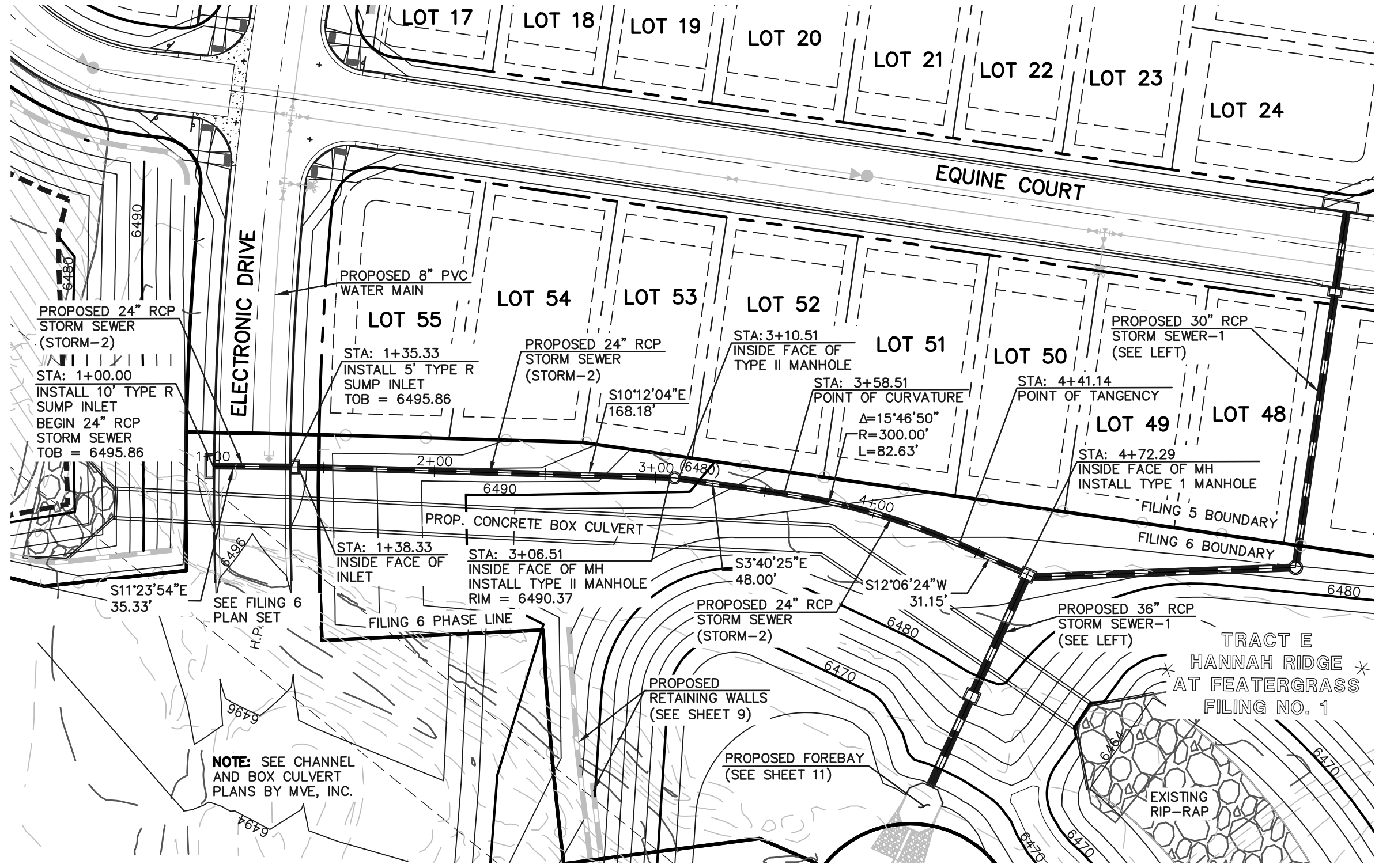
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|---------------------------------------------------------------------------------|--------------|--------------|---------------|
| HANNAH RIDGE AT FEATHERGRASS<br>FILING NO. 5<br>STREET IMPROVEMENT SIGNAGE PLAN |              |              |               |
| DESIGNED BY                                                                     | KRC          | SCALE        | DATE 10/12/18 |
| DRAWN BY                                                                        | KC           | (H) 1" = 50' | SHEET 8 OF 11 |
| CHECKED BY                                                                      | (V) 1" = N/A | JOB NO.      | 1116.05       |

N:\111605\DRAWINGS\CONSTRUCTION\FILING 5\08-111605-51-03.dwg, 12/13/2018 2:21:08 PM, 1:1

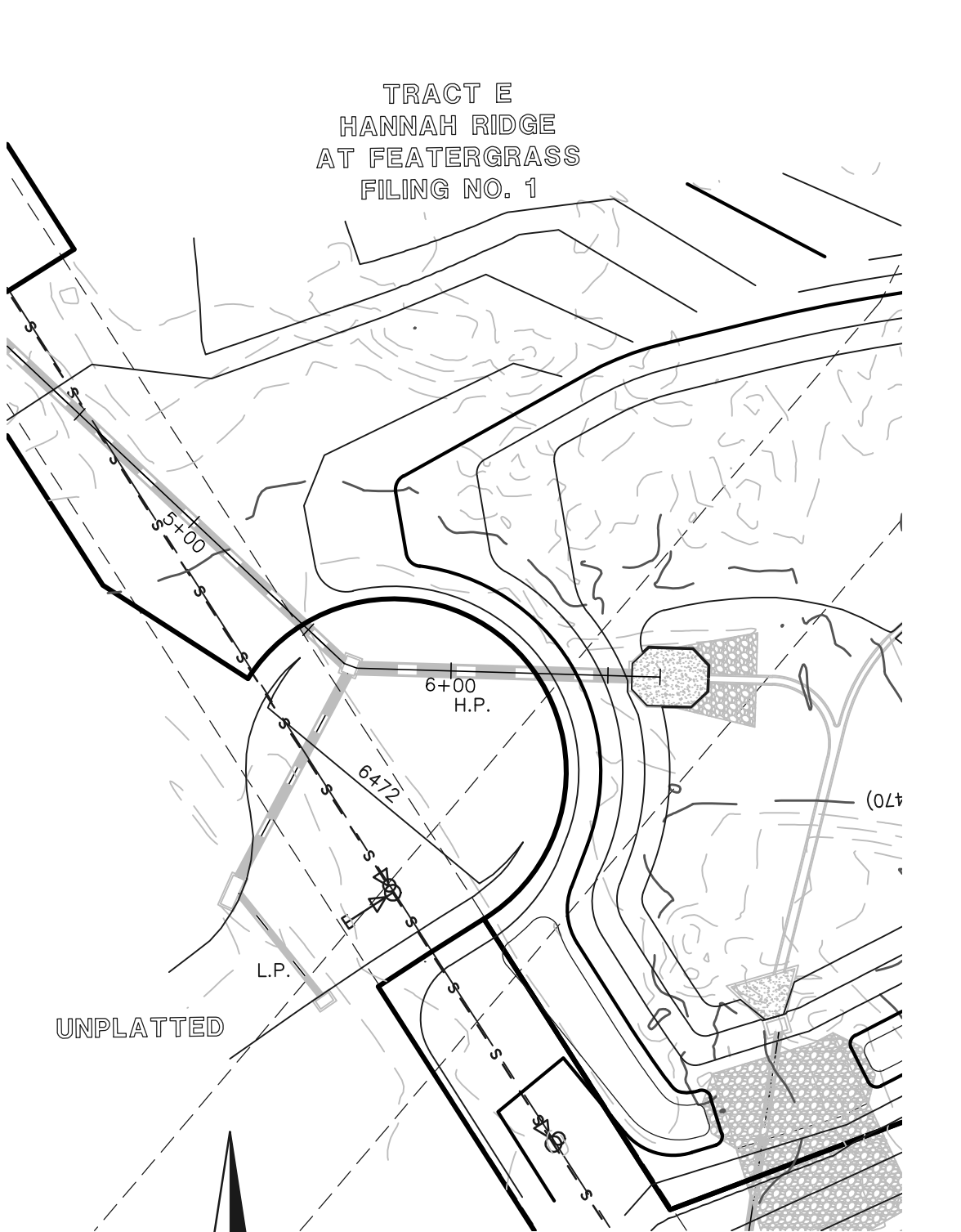




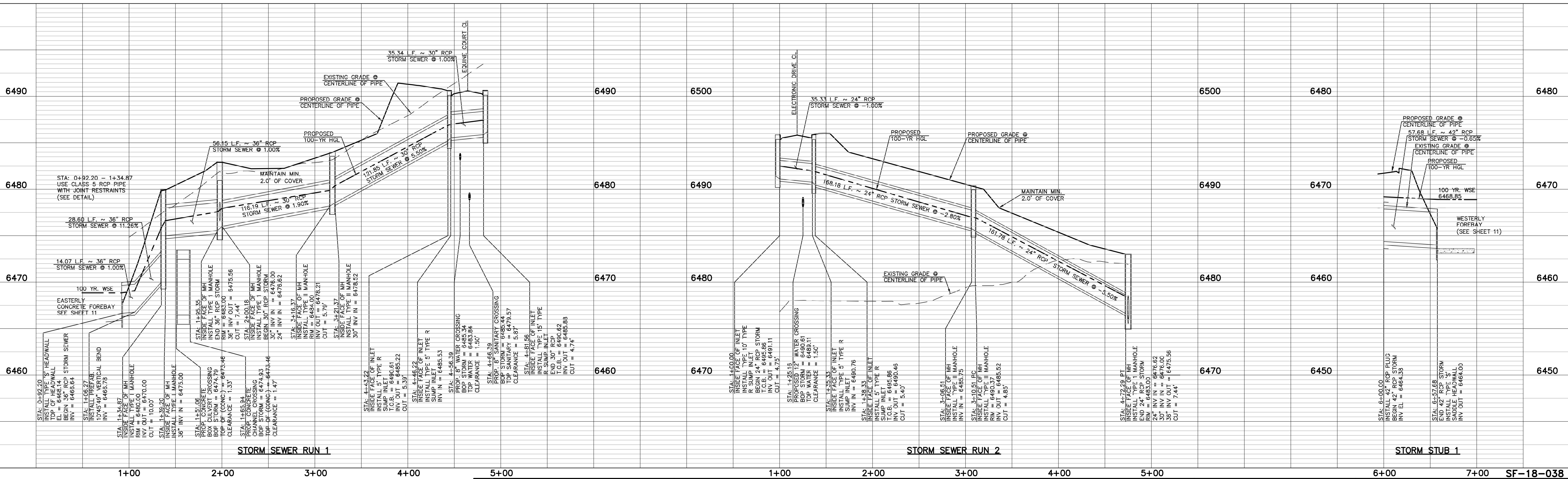
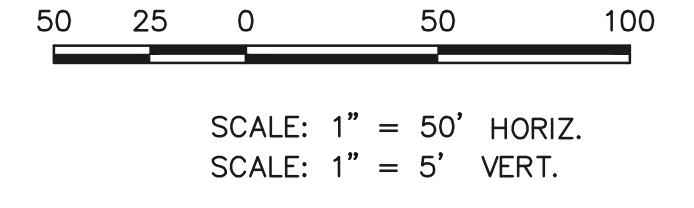
STORM SEWER RUN 1



STORM SEWER RUN 2



STORM STUB 1



**LEGEND**

|  |                              |  |                              |
|--|------------------------------|--|------------------------------|
|  | PROPOSED FIRE HYDRANT        |  | EXISTING FIRE HYDRANT        |
|  | PROPOSED WATER MAIN          |  | EXISTING WATER MAIN          |
|  | PROPOSED SANITARY SEWER MAIN |  | EXISTING SANITARY SEWER MAIN |
|  | PROPOSED STORM SEWER         |  | EXISTING STORM SEWER         |
|  | PROPOSED STORM INLET         |  | EXISTING STORM INLET         |
|  | ROW/BOUNDARY LINE            |  | EXISTING GAS MAIN            |
|  |                              |  | EXISTING ELECTRIC            |

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| NO. | REVISION | DATE |
|-----|----------|------|
|     |          |      |
|     |          |      |

REVIEW:

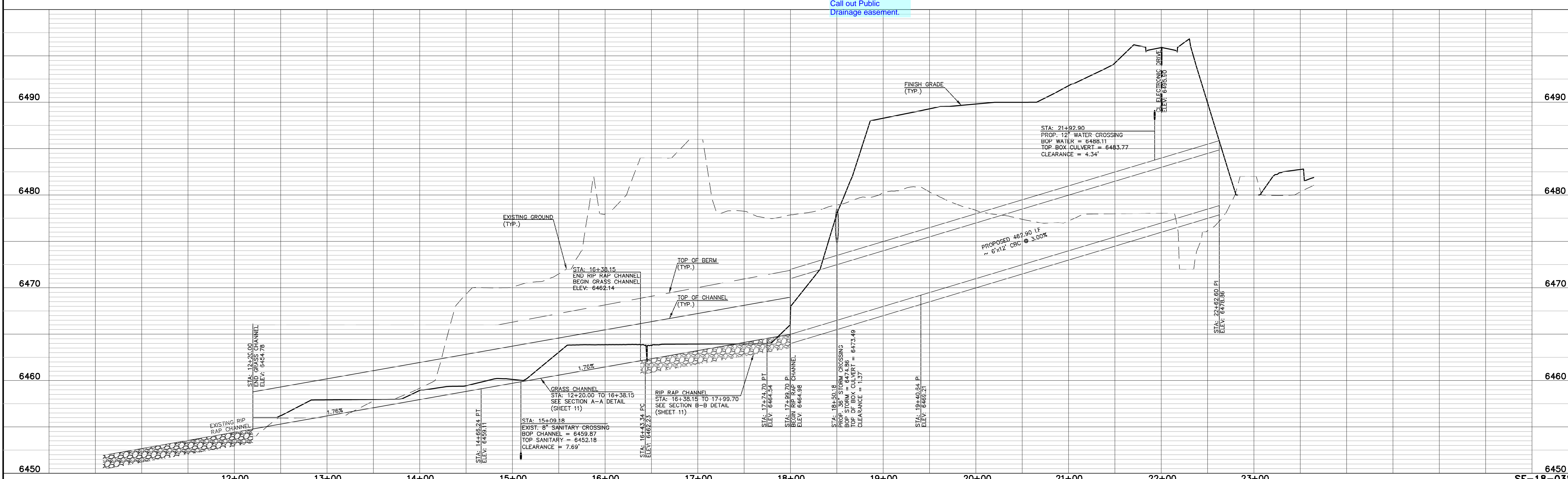
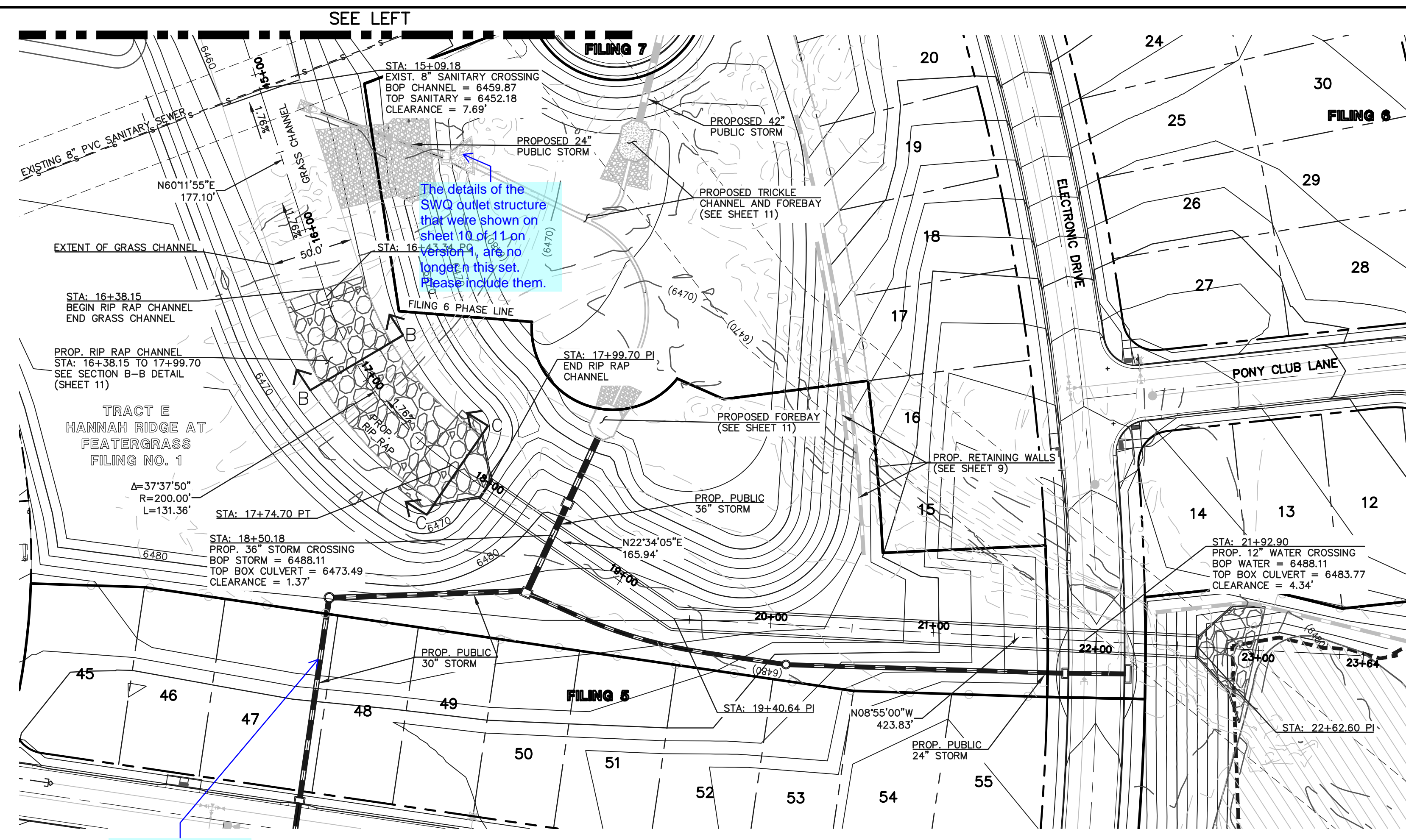
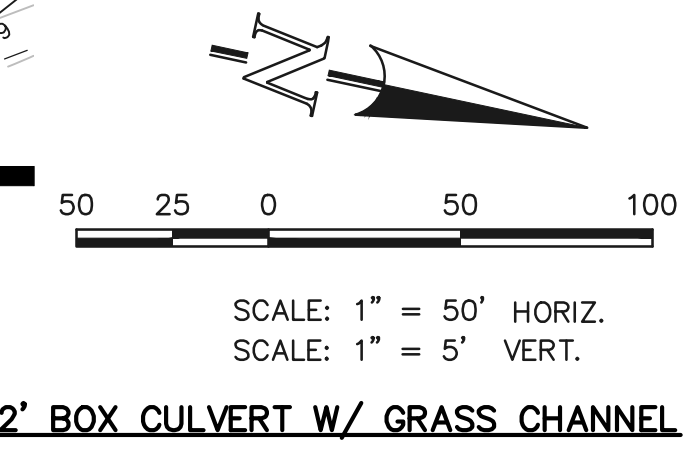
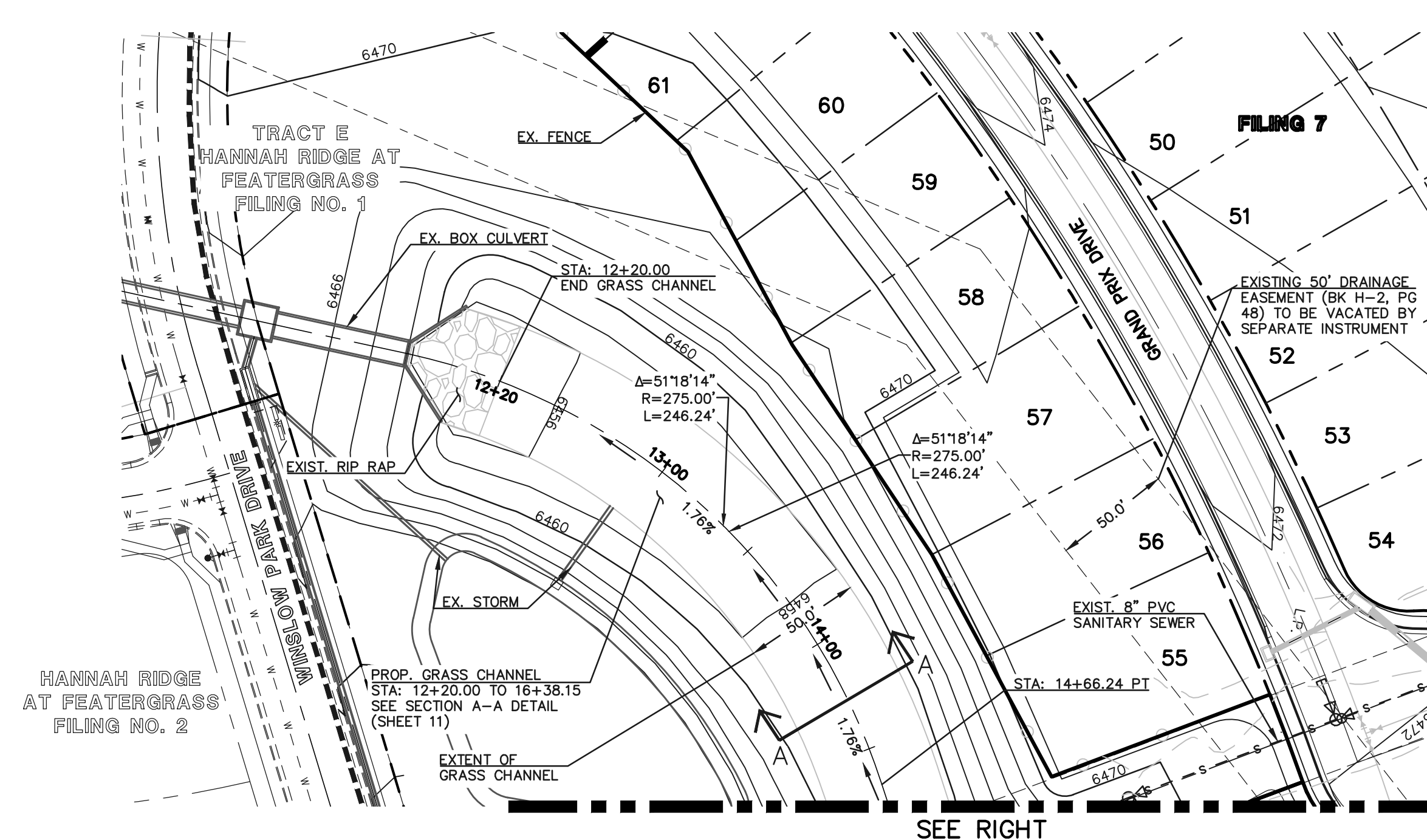
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794      DATE

618 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903  
(719)785-0790  
(719)785-0799(Fax)

|                                                                          |             |              |               |
|--------------------------------------------------------------------------|-------------|--------------|---------------|
| HANNAH RIDGE AT FEATHERGRASS<br>FILING NO. 5<br>PUBLIC STORM SEWER PLANS |             |              |               |
| DESIGNED BY                                                              | MAW         | SCALE        | DATE 10/12/18 |
| DRAWN BY                                                                 | ESO         | (H) 1" = 50' | SHEET 9 OF 11 |
| CHECKED BY                                                               | (V) 1" = NA | JOB NO.      | 1116.05       |

SF-18-038



**LEGEND**

|  |                              |  |                              |
|--|------------------------------|--|------------------------------|
|  | PROPOSED FIRE HYDRANT        |  | EXISTING FIRE HYDRANT        |
|  | PROPOSED WATER MAIN          |  | EXISTING WATER MAIN          |
|  | PROPOSED SANITARY SEWER MAIN |  | EXISTING SANITARY SEWER MAIN |
|  | PROPOSED STORM SEWER         |  | EXISTING STORM SEWER         |
|  | PROPOSED STORM INLET         |  | EXISTING STORM INLET         |
|  | ROW/BOUNDARY LINE            |  | EXISTING GAS MAIN            |
|  |                              |  | EXISTING ELECTRIC            |

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|     |          |      |
|     |          |      |
|     |          |      |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794      DATE

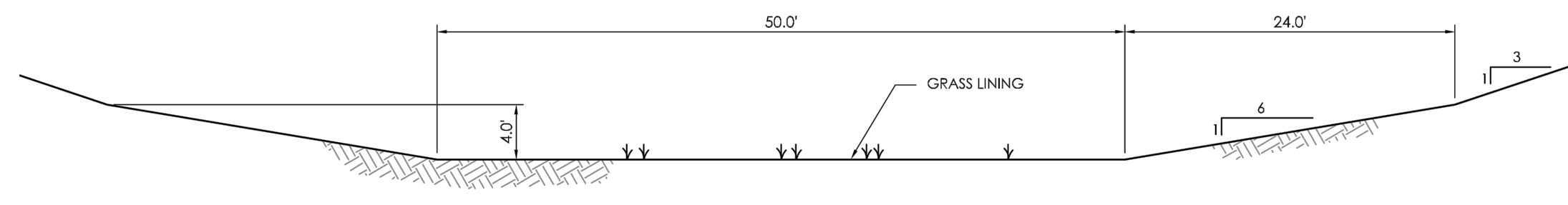
**CLASSIC**  
CONSULTING ENGINEERS & SURVEYORS

618 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903      (719)785-0790  
(719)785-0799(Fax)

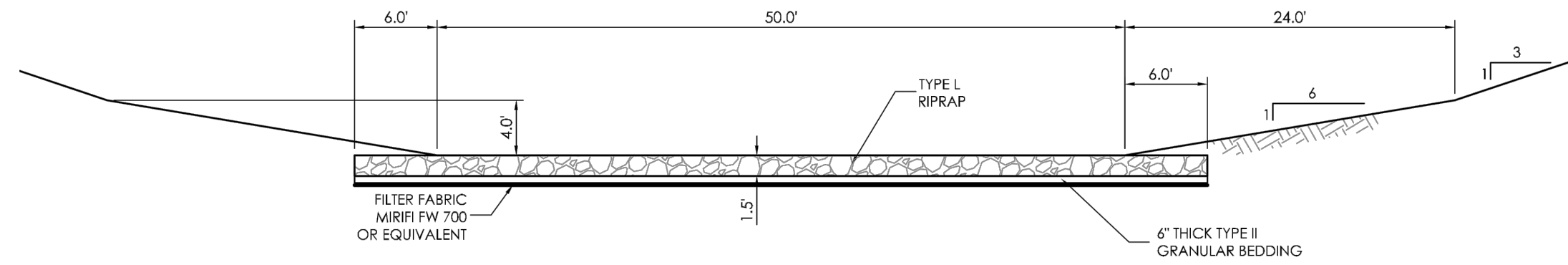
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|-------------|-----|--------------|---------|----------|
| DESIGNED BY | KRC | SCALE        | DATE    | 10/12/18 |
| DRAWN BY    | LDB | (H) 1" = 50' | SHEET   | 10 OF 11 |
| CHECKED BY  |     | (V) 1" = NA  | JOB NO. | 1116.05  |

HANNAH RIDGE AT FEATHERGRASS  
FILING NO. 5  
PROPOSED TRIBUTARY DRAINAGE IMPROVEMENTS

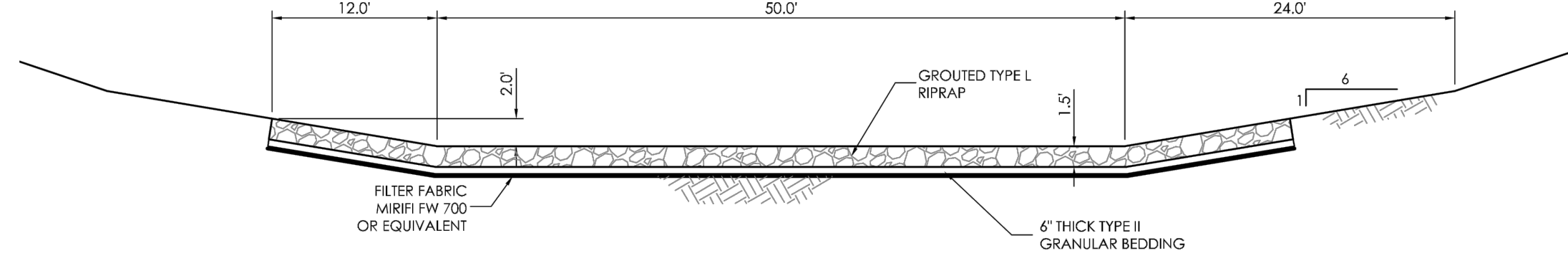
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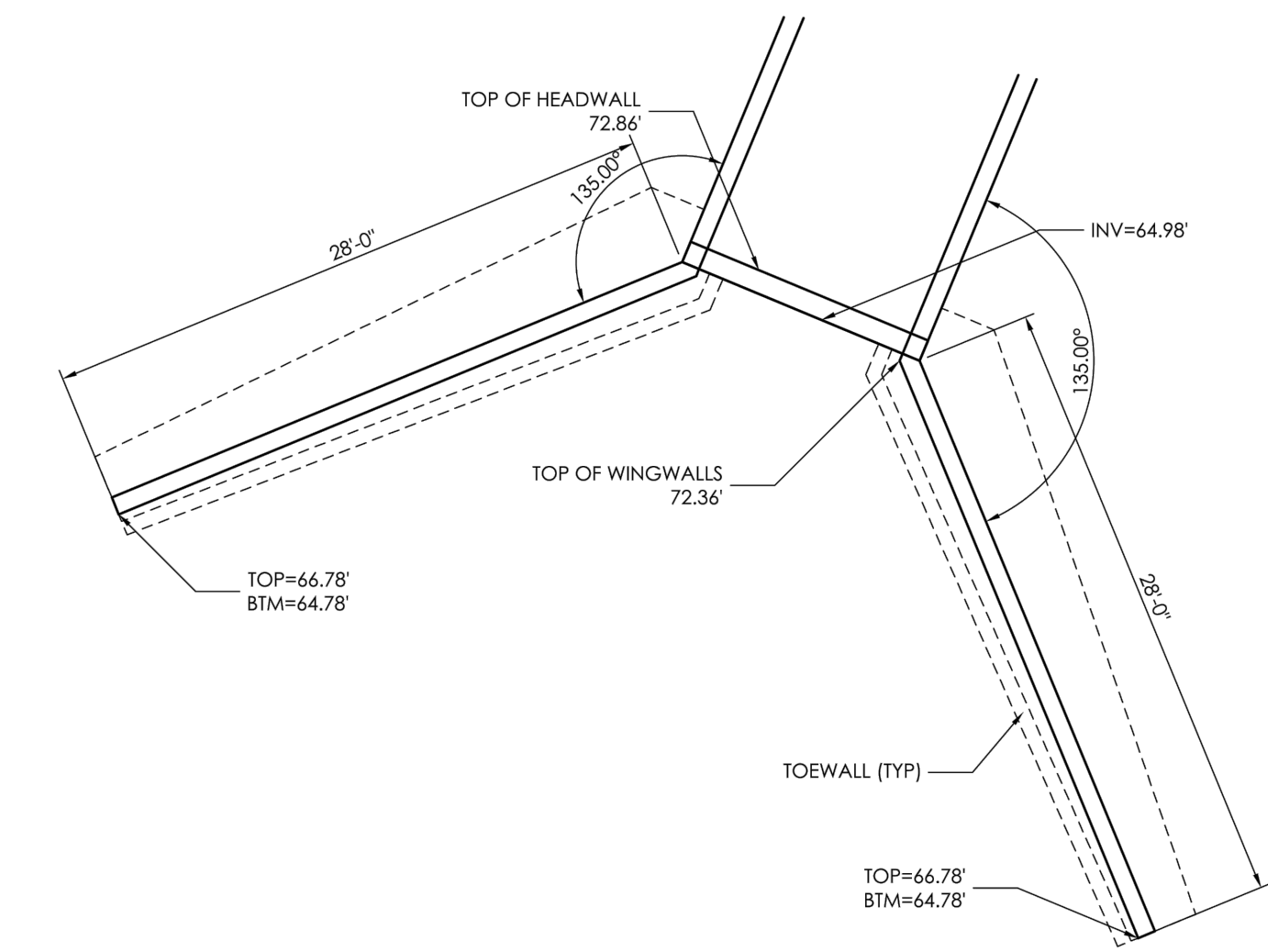
STA 12+20 TO STA 16+40  
CHANNEL SECTION A-A  
(TYPICAL CHANNEL)  
1" = 10'



STA 11+80 TO STA 12+20  
STA 16+40 TO STA 17+60  
CHANNEL SECTION B-B  
(RIP-RAP CHANNEL)  
1" = 10'



STA 12+20 TO STA 16+40  
CHANNEL SECTION C-C  
(GROUTED RIP-RAP CHANNEL)  
1" = 10'



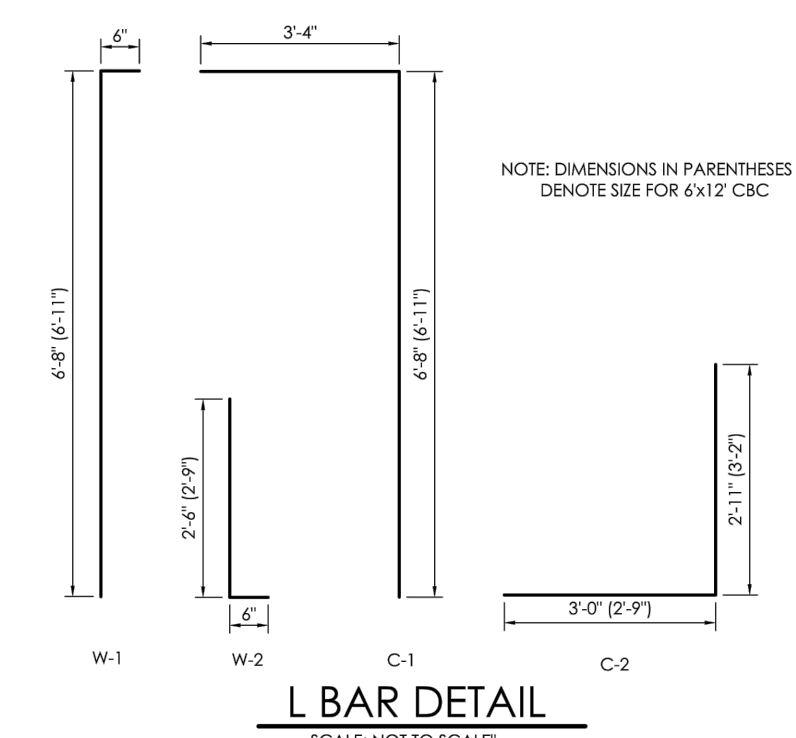
DETAIL "B"  
(6' X 12' BOX CULVERT & WINGWALLS)  
SCALE 1/8" = 1'-0"

| HEIGHT (H) | A       | B       | C        | D          |
|------------|---------|---------|----------|------------|
| R          | 8'-4"   | 8'-4"   | 7'-10.5" |            |
| S          | 6"      | 6"      | 6"       |            |
| T(1)       | 12"     | 12"     | 10"      |            |
| T(2)       | 13"     | 13"     | 10.5"    |            |
| T(3)       | 15"     | 15"     | 12"      |            |
| X1         |         |         |          | 11'-8"     |
| X2         |         |         |          | 21'-0"     |
| Y          | 2"      | 2"      | 2"       | 7'-5"      |
| Z          | 2"      | 2"      | 2"       | 27'-5 1/2" |
| L          | 28'-4"  | 28'-0"  | 28'-0"   |            |
| M          | 7'-4.5" | 7'-4.5" | 7'-4.5"  | 8'-8"      |
| N (MIN)    | 1'-0"   | 1'-0"   | 1'-0"    | 2'-2"      |
| O (MAX)    | 2'-0"   | 2'-0"   | 2'-0"    | 2'-2"      |
| P (MIN)    | 1'-8"   | 1'-8"   | 1'-8"    | 4'-0"      |
| Q (MAX)    | 3'-8"   | 3'-5"   | 3'-8"    | 4'-0"      |

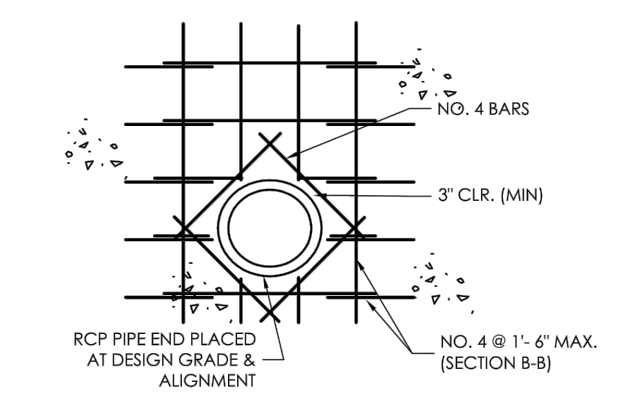
- GENERAL NOTES**
- ALL CONCRETE SHALL BE CLASS D (BOX CULVERT).
  - CONSTRUCTION JOINTS ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL PROVIDE A PLAN DENOTING LOCATION OF CONTRACTOR'S PROPOSED CONSTRUCTION JOINTS FOR STAGED CONSTRUCTION PRIOR TO THE BEGINNING OF ANY BOX CULVERT FORMING. THE CONSTRUCTION JOINT DETAIL FOR STAGED CONSTRUCTION SHALL BE AS SHOWN IN SECTION C-C AS DEPICTED ON THESE PLANS.
  - ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE FRESH CONCRETE IS PLACED.
  - THE CONTRACTOR SHALL MAINTAIN THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
  - STRUCTURE EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH STANDARD.
  - BACKFILL SHALL NOT BEGIN UNTIL TOP 18" HAS REACHED DESIGN STRENGTH = R<sub>c</sub>.
  - REINFORCING STEEL SHALL BE GRADE 60 UNCOATED.
  - ALL DIMENSIONS ARE PERPENDICULAR TO THE CENTERLINE OF THE BOX.
  - ALL TRANSVERSE REINFORCING SHALL BE NORMAL TO THE CENTERLINE OF THE BOX.
  - ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/4" IN.
  - STANDARD PLANS REFERENCED ARE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD PLANS. THEY ARE M-601-1, M-601-2, M-601-10, M-601-20.
  - WINGWALL FOOTINGS AND FLOOR OF BOX CULVERT SHALL BE PLACED MONOLITHICALLY.
  - WINGWALL AND APRON CONCRETE SHALL BE CONCRETE CLASS B, OR D (BOX CULVERT) FOR CBCI.
  - AN ALTERNATE PRECAST CONCRETE BOX CULVERT MAY BE USED FOR THIS PROJECT IN ACCORDANCE WITH STANDARD PLAN NO. M-603-3 DATED JULY 04, 2006. TAPER SHALL BE HAND FORMED AND CONSTRUCTED ON SITE.

- LOAD DATA**
- LIVE LOAD = AASHTO HS 20-44 AND ALTERNATE MILITARY LOADING
- DEAD LOAD CASE 1: VERTICAL EARTH LOAD = 120 LBS./CU. FT.  
HORIZONTAL EARTH LOAD = 30 LBS./CU. FT.
- DEAD LOAD CASE 2: VERTICAL EARTH LOAD = 120 LBS./CU. FT.  
HORIZONTAL EARTH LOAD = 60 LBS./CU. FT.
- FUTURE HMA OVERLAY = 48 LBS./SQ. FT. BASED ON 4 IN. THICKNESS  
LIVE LOAD SURCHARGE ON EXTERIOR WALLS = 2 FT. OF EARTH

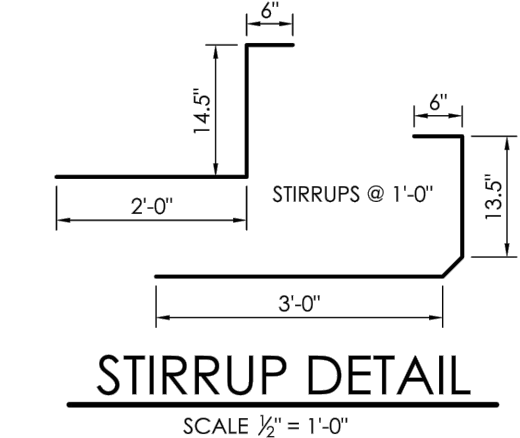
- DESIGN DATA**
- UNIT STRESS: F<sub>c</sub> = 24,000 PSI  
F<sub>s</sub> = 1,200 PSI  
F<sub>t</sub> = 9 PSI
- EQUIVALENT FLUID PRESSURE = 36 LBS./CU. FT.  
MAXIMUM TOE PRESSURE = 1 TON/SQ. FT.



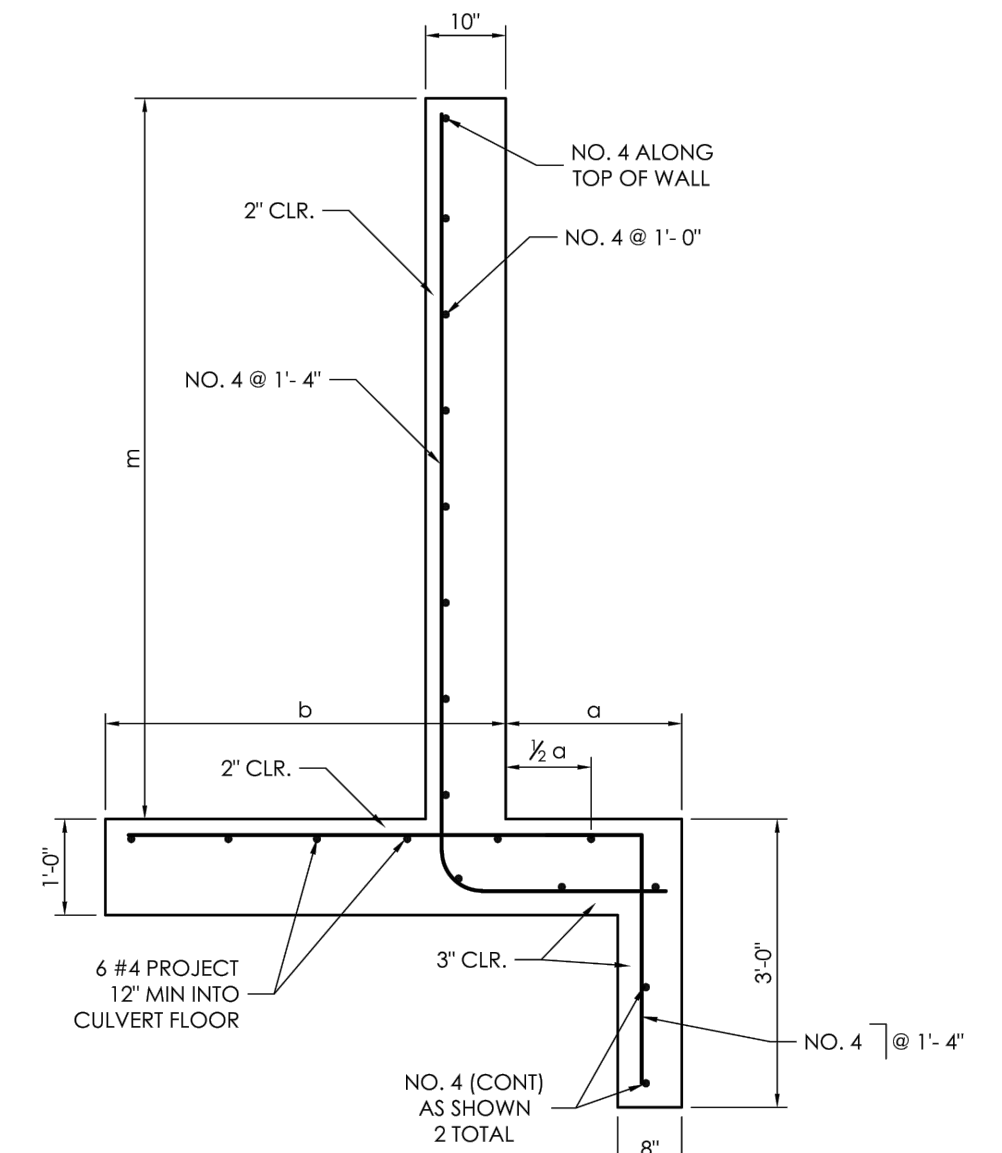
L BAR DETAIL  
SCALE: NOT TO SCALE



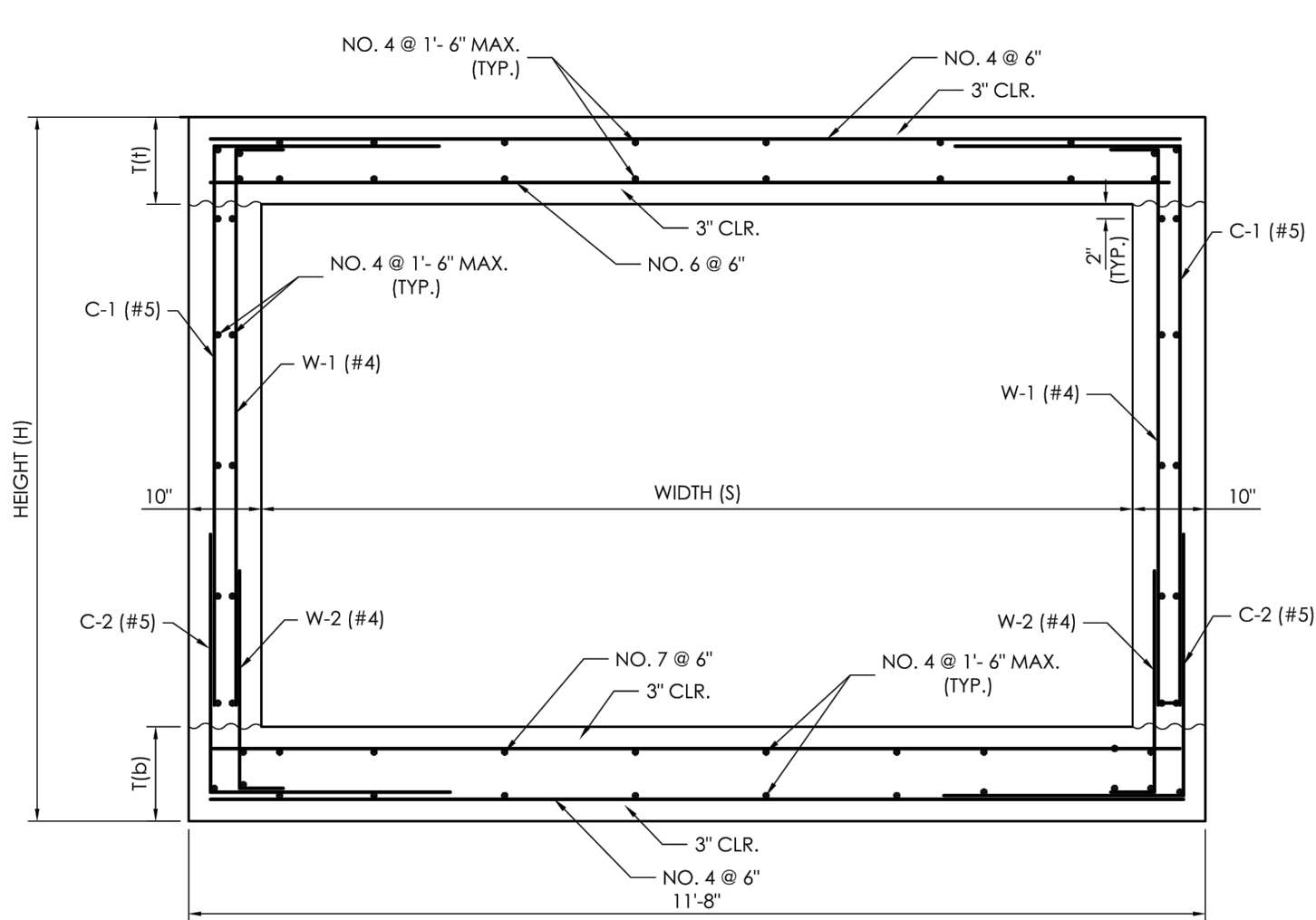
STORM DRAIN TO CBC CONNECTION DETAIL  
NOT TO SCALE



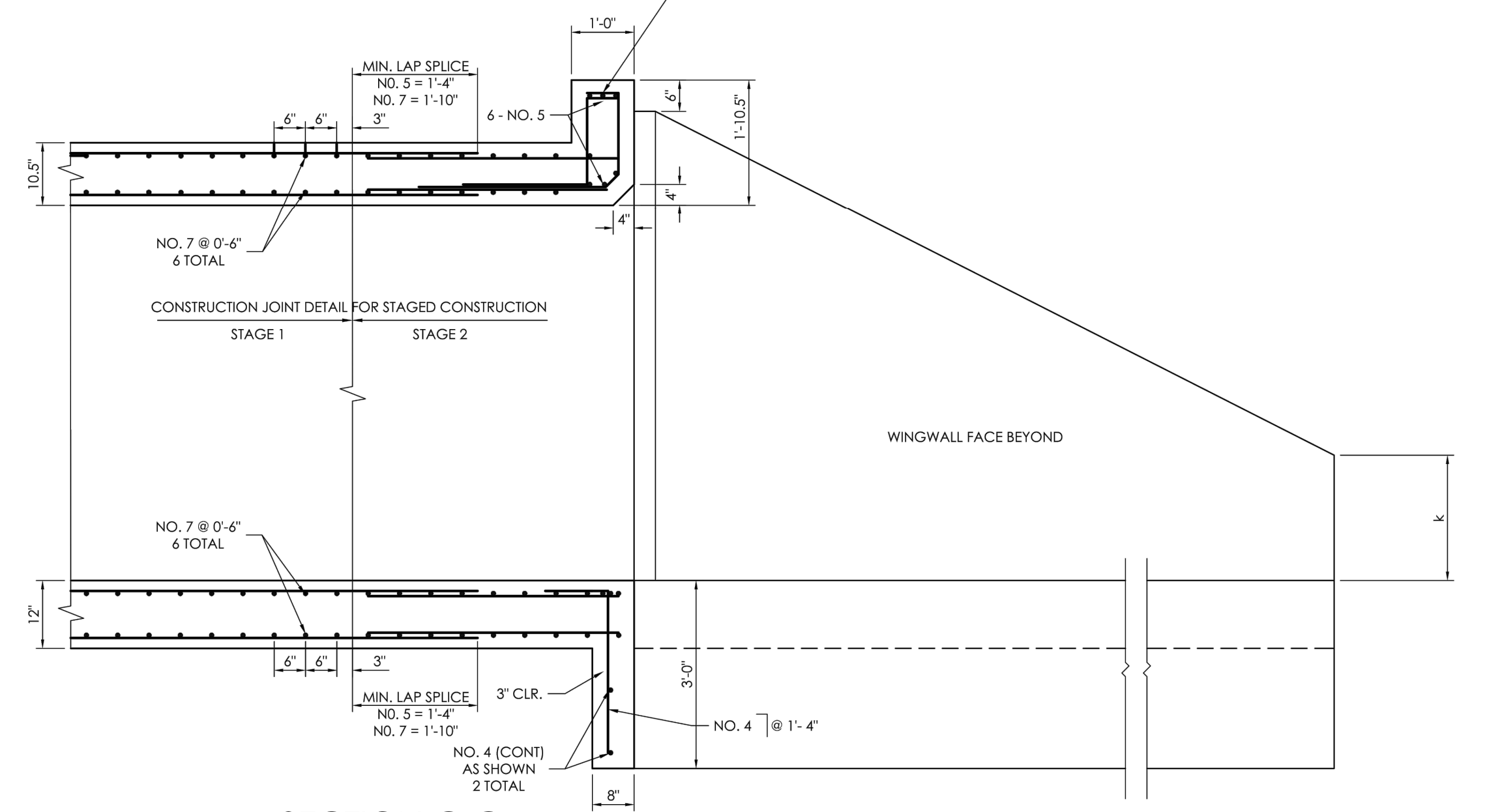
STIRRUP DETAIL  
SCALE 1/2" = 1'-0"



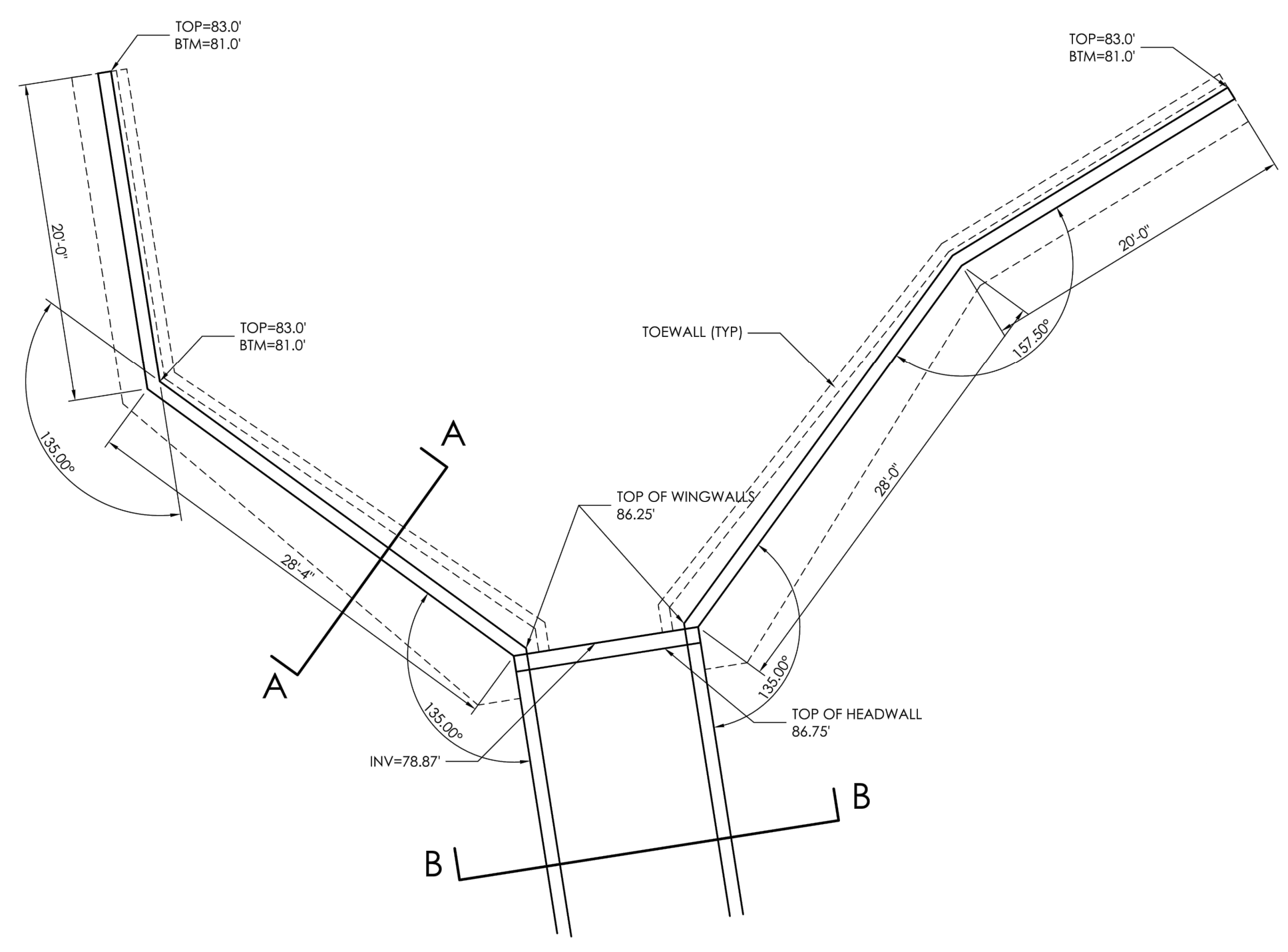
SECTION A-A  
SCALE 1/2" = 1'-0"



SECTION B-B  
SCALE 1/2" = 1'-0"



SECTION C-C  
SCALE 1/2" = 1'-0"



DETAIL "A"  
(6' X 12' BOX CULVERT & WINGWALLS)  
SCALE 1/8" = 1'-0"

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| NO. REVISION | DATE | REVIEW: |
|--------------|------|---------|
|              |      |         |
|              |      |         |
|              |      |         |
|              |      |         |

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

**CLASSIC**  
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903  
(719) 785-0790  
(719) 785-0799 (fax)

**HANNAH RIDGE AT FEATHERGRASS  
FILING NO. 5**

PROPOSED TRIBUTARY DRAINAGE IMPROVEMENTS  
BOX CULVERT AND GRASS CHANNEL DETAILS

| DESIGNED BY | KRC | SCALE        | DATE    | 10/12/18 |
|-------------|-----|--------------|---------|----------|
| DRAWN BY    | LDB | (H) 1" = 50' | SHEET   | 11 OF 11 |
| CHECKED BY  |     | (V) 1" = NA  | JOB NO. | 1116.05  |



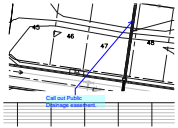
# Markup Summary

Steve Kuhster (4)

ALL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS  
BEFORE FLOORPLAN DEVELOPMENT PERMIT, U.S. AIR  
FORCE CONTRACT  
FROM THE DESIGN ENGINEER AND OSD. CONTRACT  
D. Change DSD To PCD  
SHALL BE APPROVED BY EL PASO COUNTY PCD  
NTS.  
IS. OBSTRUCTIONS GREATER THAN 18 INCHES ABC

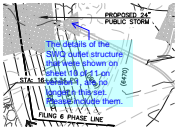
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**Author:** Steve Kuhster  
**Date:** 1/23/2019 10:16:10 AM  
**Color:** ■

Change DSD To PCD



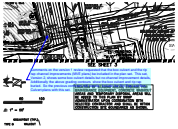
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**Page Label:** 10  
**Author:** Steve Kuhster  
**Date:** 1/23/2019 11:02:36 AM  
**Color:** ■

Call out Public Drainage easement.



**Subject:** arrow & box  
**Page Label:** 10  
**Author:** Steve Kuhster  
**Date:** 1/23/2019 11:14:40 AM  
**Color:** ■

The details of the SWQ outlet structure that were shown on sheet 10 of 11 on version 1, are no longer n this set. Please include them.



**Subject:** arrow & box  
**Page Label:** 2  
**Author:** Steve Kuhster  
**Date:** 1/23/2019 11:42:52 AM  
**Color:** ■

Comments on the version 1 review requested that the box culvert and the rip rap channel improvements (MVE plans) be included in the plan set. This set, Version 2, shows some box culvert details but no channel improvement details, Additionally the above grading contours show the box culvert and rip rap buried. So the previous comment still stands. Include the Rip Rap and Box Culvert plans with this set.