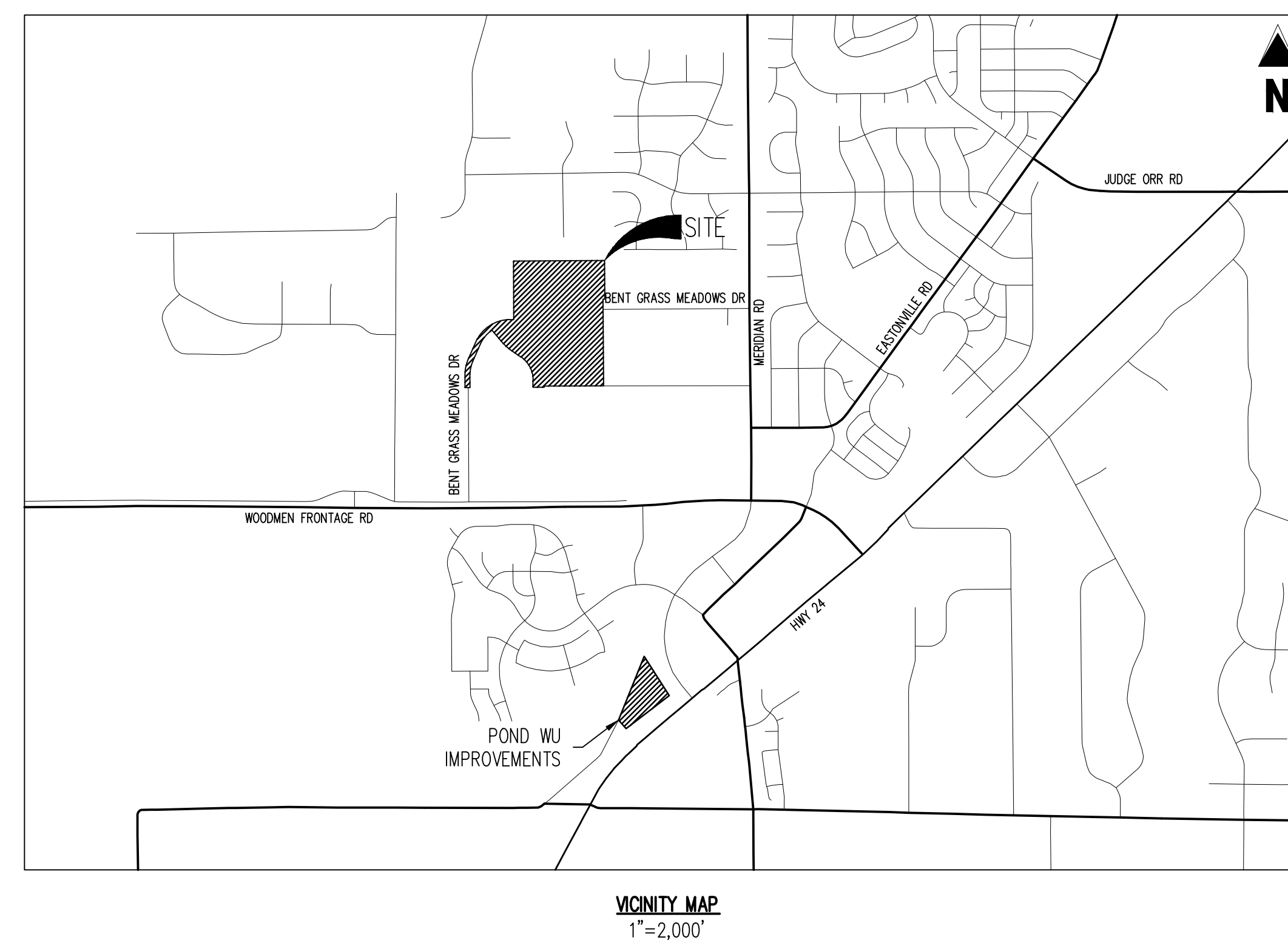
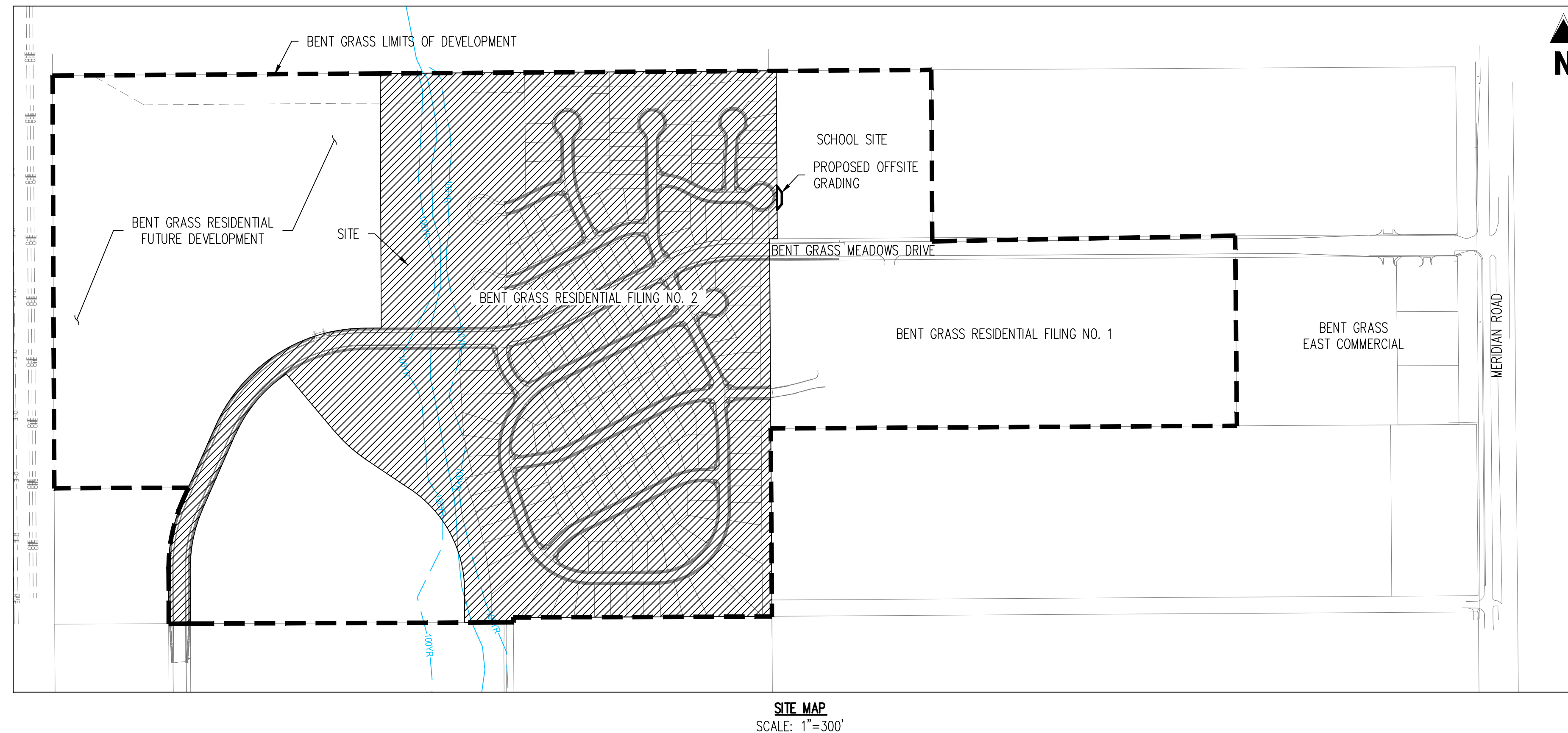


CHALLENGER COMMUNITIES, LLC
BENT GRASS RESIDENTIAL FILING NO. 2
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD - FALCON, CO
FINAL GRADING & EROSION CONTROL PLANS

PROJECT CONTACTS

- OWNER/DEVELOPER**
CHALLENGER COMMUNITIES, LLC
13570 NORTHGATE ESTATES DR.
COLORADO SPRINGS, CO 80921
TEL: (719) 598-5180
CONTACT: LEE EISENHAM
EMAIL: LEISENHAM@CHALLENGERHOMES.COM
- APPLICANT**
GALLOWAY & COMPANY, INC.
1155 KELLY JOHNSON BLVD., SUITE 305
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TEL: (719) 900-7220
CONTACT: GRANT DENNIS, P.E.
EMAIL: GRANTDENNIS@GALLOWAYUS.COM
- CIVIL ENGINEER**
GALLOWAY & COMPANY, INC.
1155 KELLY JOHNSON BLVD., SUITE 305
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TEL: (719) 900-7220
CONTACT: GRANT DENNIS, P.E.
EMAIL: GRANTDENNIS@GALLOWAYUS.COM
- GEOTECHNICAL ENGINEER**
ROCKY MOUNTAIN GROUP
2910 AUSTIN BLUFFS PKWY
COLORADO SPRINGS, COLORADO 80918
TEL: (719) 394-3072
- EL PASO COUNTY**
EL PASO COUNTY PLANNING & COMMUNITY DEVELOPMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, COLORADO 80910
TEL: (719) 520-6300
- SURVEYOR**
GALLOWAY & COMPANY, INC.
1155 KELLY JOHNSON BLVD., SUITE 305
COLORADO SPRINGS, COLORADO 80920
TEL: (719) 900-7220
CONTACT: LYLE BISSECKER
EMAIL: LYLEBISSECKER@GALLOWAYUS.COM
- WATER/WASTEWATER**
WOODMEN HILLS METRO DISTRICT
8046 EASTONVILLE ROAD
FALCON, COLORADO 80831
TEL: (719) 495-2500
CONTACT: JERRY JACOBSON
EMAIL: JERRYJ@MHMD.ORG
- GAS**
CITY OF COLORADO SPRINGS
1527 HANCOCK EXPT #4801
COLORADO SPRINGS, COLORADO 80903
TEL: (719) 668-8267
CONTACT: RINE SOLBERG
EMAIL: RSOLBERG@CSCS.ORG
- ELECTRIC**
MOUNTAIN VIEW ELECTRIC
11140 E. WOODMEN RD
FALCON, COLORADO 80831
TEL: (719) 495-2283
- FIRE DISTRICT**
FALCON FIRE PROTECTION DISTRICT
7030 OLD MERIDIAN ROAD
FALCON, COLORADO 80831
TEL: (719) 495-4050
EMAIL: FALCONFIRE@FALCONFIREPD.ORG



| SHEET INDEX | | |
|--------------|--|-------------------|
| SHEET NUMBER | SHEET TITLE | SHEET DESCRIPTION |
| 1 | COVER SHEET | G0.01 |
| 2 | NOTES | G0.02 |
| 3 | TYPICAL ROADWAY SECTIONS AND LOT TEMPLATES | G0.03 |
| 4 | INITIAL OVERALL EROSION CONTROL PLAN | G1.00 |
| 5 | INTERIM OVERALL GRADING & EROSION CONTROL PLAN | G2.00 |
| 6 | INTERIM GRADING & EROSION CONTROL PLAN | G2.01 |
| 7 | INTERIM GRADING & EROSION CONTROL PLAN | G2.02 |
| 8 | INTERIM GRADING & EROSION CONTROL PLAN | G2.03 |
| 9 | INTERIM GRADING & EROSION CONTROL PLAN | G2.04 |
| 10 | INTERIM GRADING & EROSION CONTROL PLAN | G2.05 |
| 11 | FINAL OVERALL GRADING & EROSION CONTROL PLAN | G3.00 |
| 12 | CUT AND FILL AREAS | G4.00 |
| 13 | DRAINAGE SWALE DETAILS | G5.01 |
| 14 | STORM SEWER OUTFALL DETAILS | G5.02 |
| 15 | WATER QUALITY DETENTION POND (NORTH) | G6.01 |
| 16 | POND DETAILS (NORTH) | G6.02 |
| 17 | WATER QUALITY DETENTION POND (SOUTH) | G6.03 |
| 18 | POND DETAILS (SOUTH) | G6.04 |
| 19 | WATER QUALITY DETENTION POND (POND WU) | G6.05 |
| 20 | POND WU DETAILS | G6.06 |
| 21 | CHANNEL PLAN & PROFILE | G7.01 |
| 22 | CHANNEL PLAN & PROFILE | G7.02 |
| 23 | CHANNEL PLAN & PROFILE | G7.03 |
| 24 | GRADING & EROSION CONTROL DETAILS | G8.01 |
| 25 | GRADING & EROSION CONTROL DETAILS | G8.02 |
| 26 | GRADING & EROSION CONTROL DETAILS | G8.03 |
| 27 | GRADING & EROSION CONTROL DETAILS | G8.04 |
| 28 | GRADING & EROSION CONTROL DETAILS | G8.05 |
| 29 | GRADING & EROSION CONTROL DETAILS | G8.06 |

SEE BENT GRASS RESIDENTIAL FILING NO. 2 CONSTRUCTION PLANS FOR PUBLIC AND PRIVATE ROADWAY IMPROVEMENTS
SEE BENT GRASS RESIDENTIAL FILING NO. 2 UTILITY CONSTRUCTION PLANS FOR WATER AND SANITARY IMPROVEMENTS

ENGINEER'S STATEMENT
THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY AN NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

Ronald G. Derrin
RONALD G. DERRIN, COLORADO P.E. NO. 0051622 DATE

OWNER'S STATEMENT
I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

James Byers
LEE EISENHAM James Byers 4/2/20 DATE
CHALLENGER COMMUNITIES, LLC

EL PASO COUNTY
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT, FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH EGM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JENNIFER IRVINE, P.E.
COUNTY ENGINEER / EGM ADMINISTRATOR

Approved
By: Elizabeth Nijkamp
Date: 05/13/2020
El Paso County Planning & Community Development

Check structures (2) per UDFCD (MHFD) detail added per engineer's request May 6, 2020.

LEGAL DESCRIPTION
BENT GRASS RESIDENTIAL FILING NO. 2, LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1 T13S, R65W OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO

BASIS OF BEARINGS
ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS N007°34'6" W AND MONUMENTED AS SHOWN.

BENCHMARK
THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR 1 1/2" DIA 24954 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR
1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



SF-19-014
EGP-19-005



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FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC.
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

| # | Date | Issue / Description | Init. |
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Project No: CUH000014.20
Drawn By: JDP
Checked By: RGD
Date: 4/17/2020

COVER SHEET
SF1914
5/13/2020
G0.01
Sheet 1 of 29

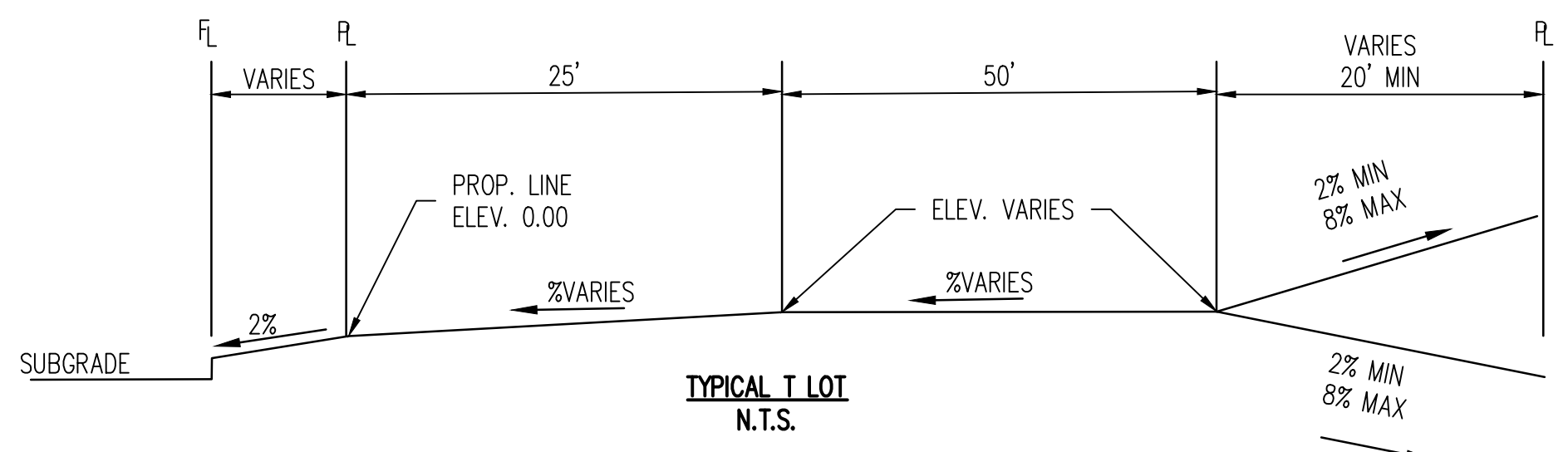
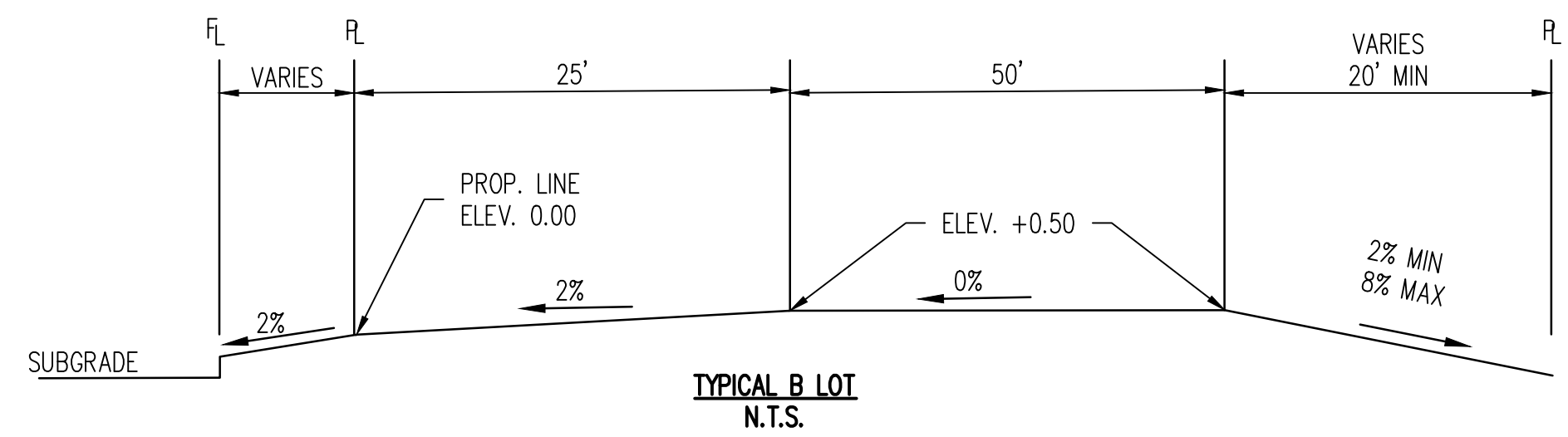
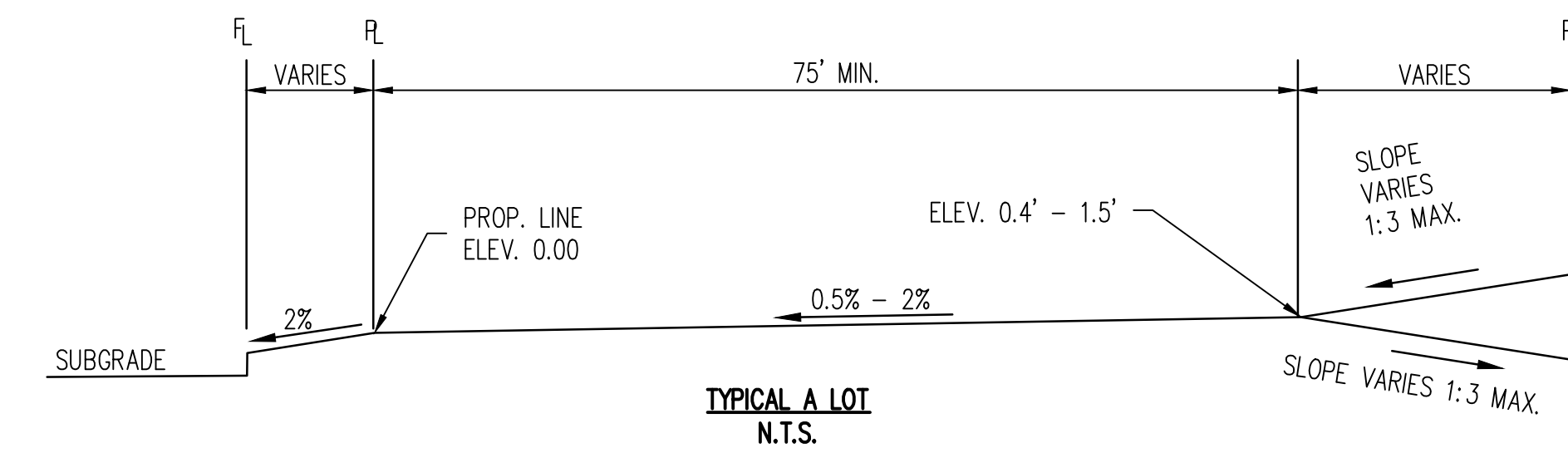
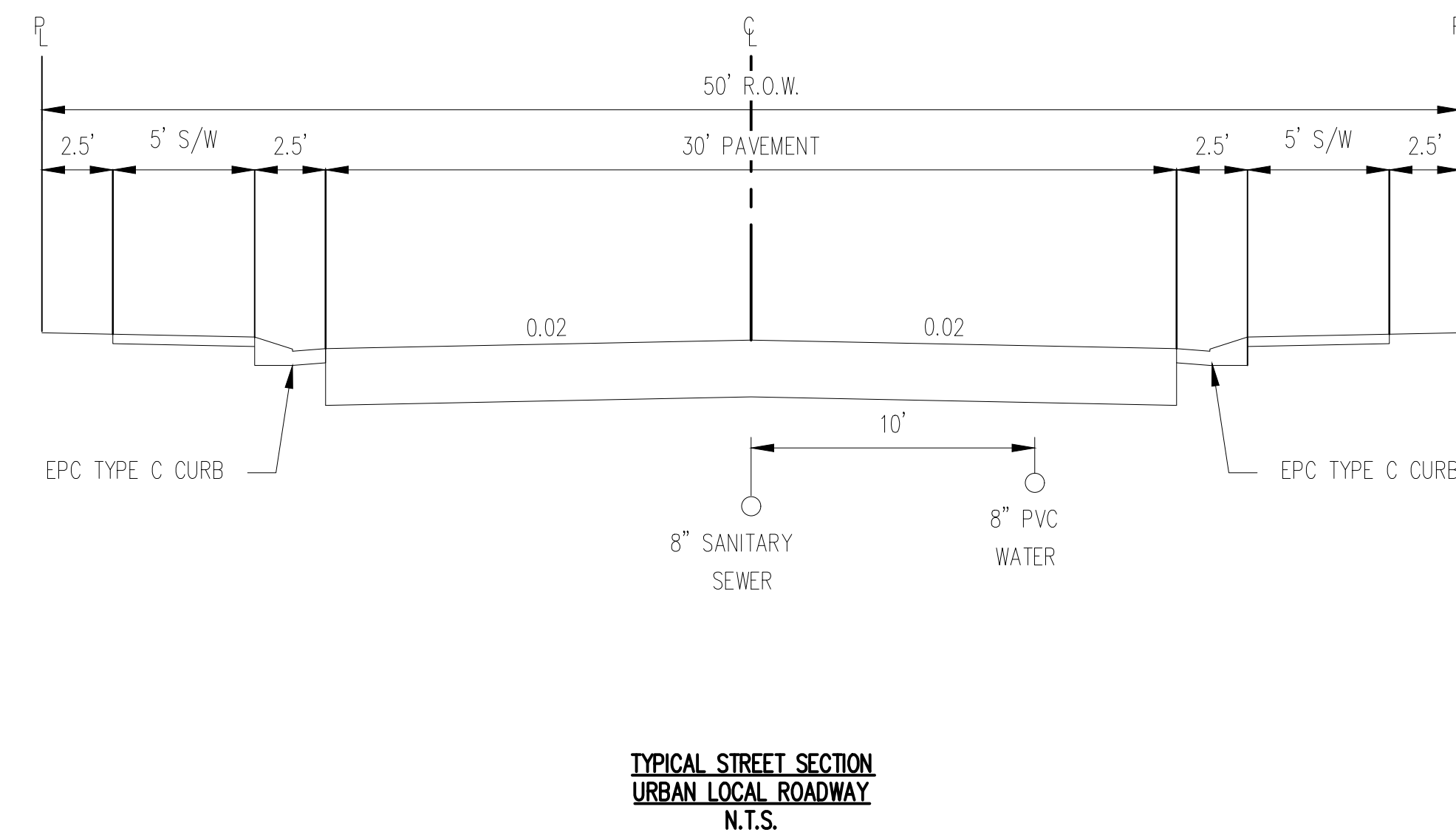
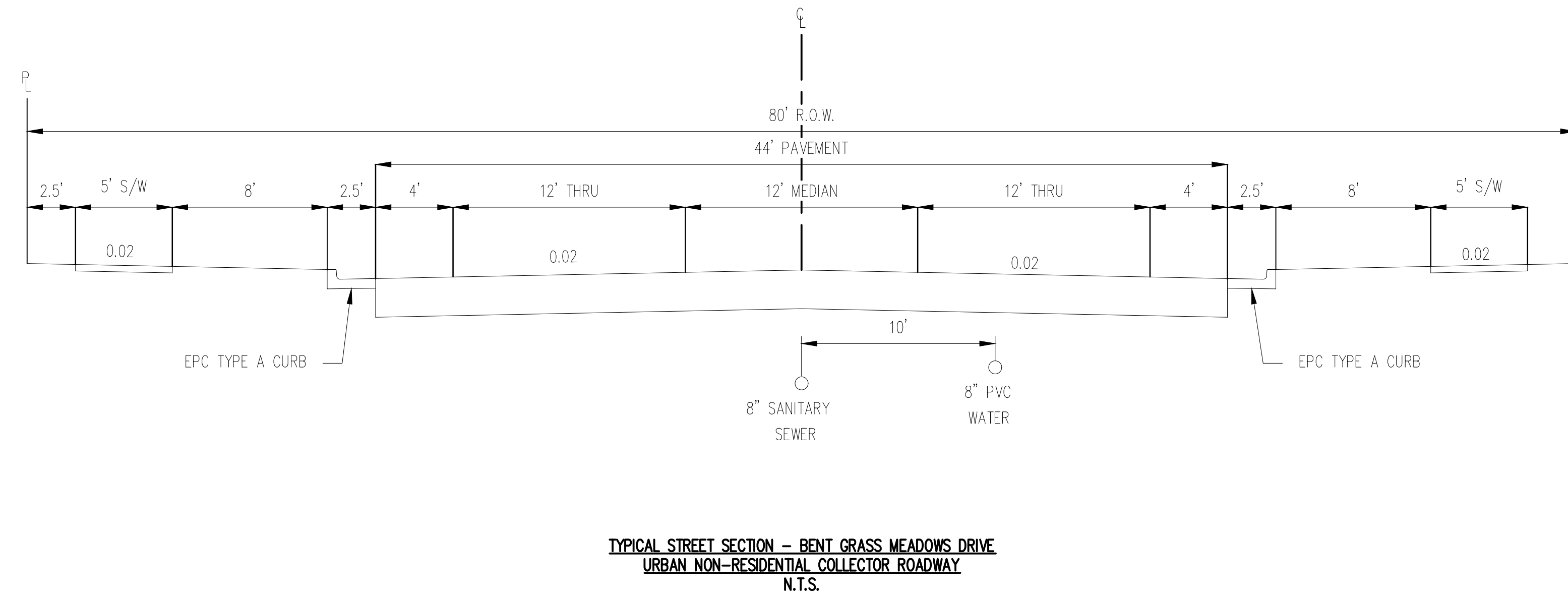


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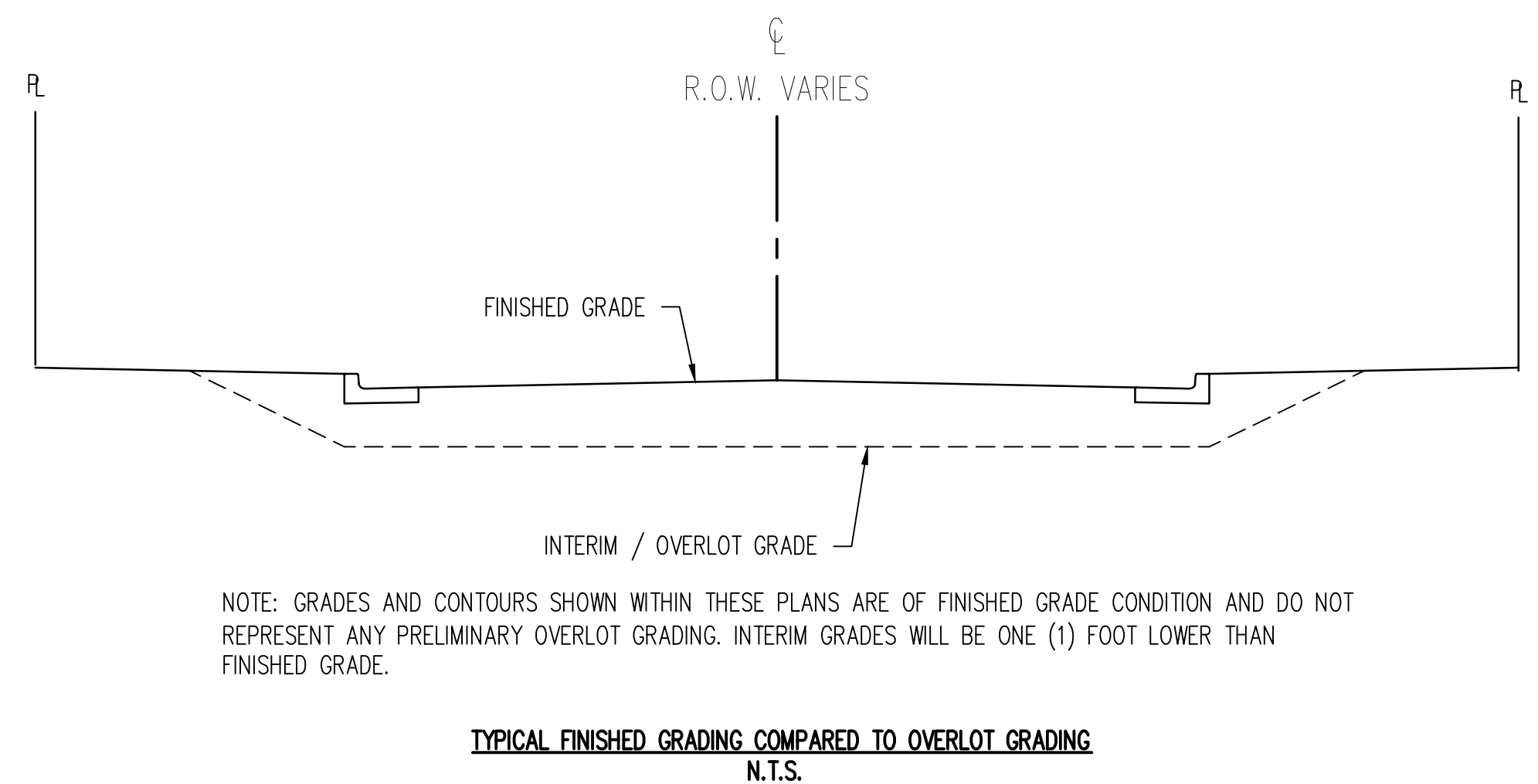
CHALLENGER HOMES

**FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.**

BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY



- NOTES:**
1. TRANSITION LOTS IDENTIFIED BY A "T" ARE INCLUDED TO INDICATE LOTS THAT WILL REQUIRE HOME BUILDERS TO PREPARE A SITE SPECIFIC GRADING PLAN TO DETAIL THE GRADING TRANSITION FROM TYPE A/B LOTS TO GARDEN/WALKOUT LOTS
 2. THE DEVELOPER/HOME BUILDER SHALL INSTALL SIDE LOT SWALES TO MINIMIZE THE LOT TO LOT DRAINAGE.

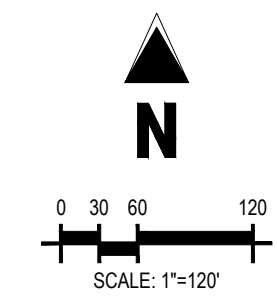
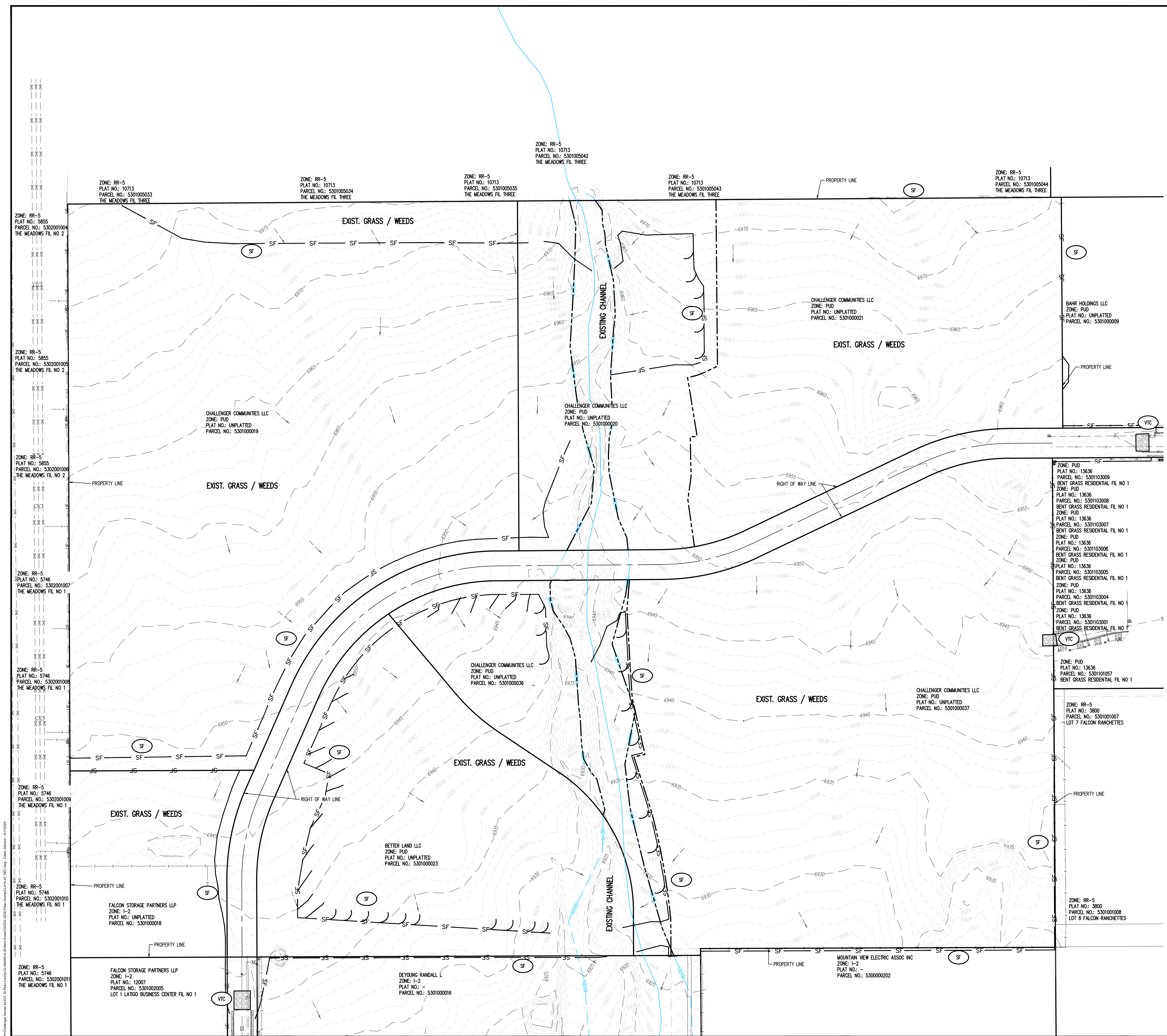


NOTE: GRADES AND CONTOURS SHOWN WITHIN THESE PLANS ARE OF FINISHED GRADE CONDITION AND DO NOT REPRESENT ANY PRELIMINARY OVERLOT GRADING. INTERIM GRADES WILL BE ONE (1) FOOT LOWER THAN FINISHED GRADE.

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Project No: CLH000014.20
 Drawn By: JDP
 Checked By: RGD
 Date: 4/17/2020

TYPICAL ROADWAY
 SECTIONS AND LOT
 TEMPLATES
 SF1914
 5/13/2020

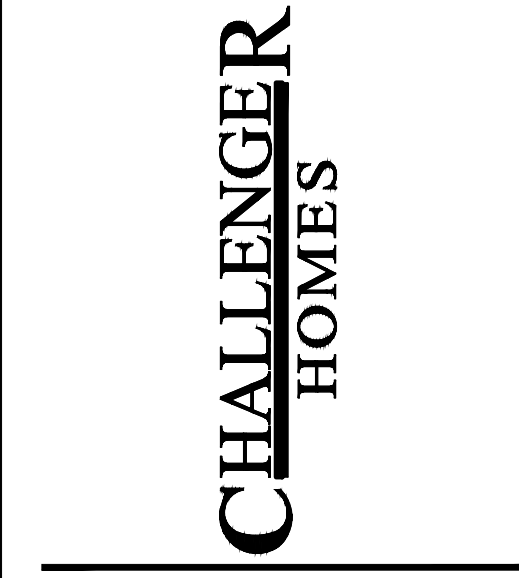


LEGEND

| | |
|--|------------------------------------|
| | EXISTING MINOR CONTOUR |
| | EXISTING MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR |
| | PROPOSED MAJOR CONTOUR |
| | EXISTING PROPERTY BOUNDARY |
| | PROPOSED PROPERTY BOUNDARY |
| | 100 - YR FLOODPLAIN LINE |
| | EXISTING STORM SEWER |
| | EXISTING FLOW |
| | SILT FENCE (INITIAL) |
| | VEHICLE TRACKING CONTROL (INITIAL) |



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**FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.
 BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY**

| # | Date | Issue / Description | Init. |
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LEGAL DESCRIPTION
 BENT GRASS RESIDENTIAL FILING NO. 2 LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 46° 15' 00" WEST AND MONUMENTED AS SHOWN.

BASIS OF BEARINGS
 ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 46° 15' 00" WEST AND MONUMENTED AS SHOWN.

BENCHMARK
 THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR IS @ 2495.4 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



Project No: CLH00014.20
 Drawn By: JDP
 Checked By: RGD
 Date: 4/17/2020

INITIAL OVERALL EROSION CONTROL PLAN
 SF1914
 5/13/2020

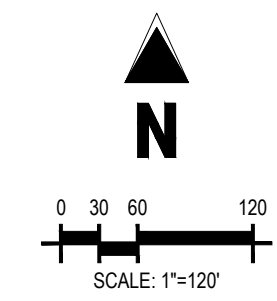
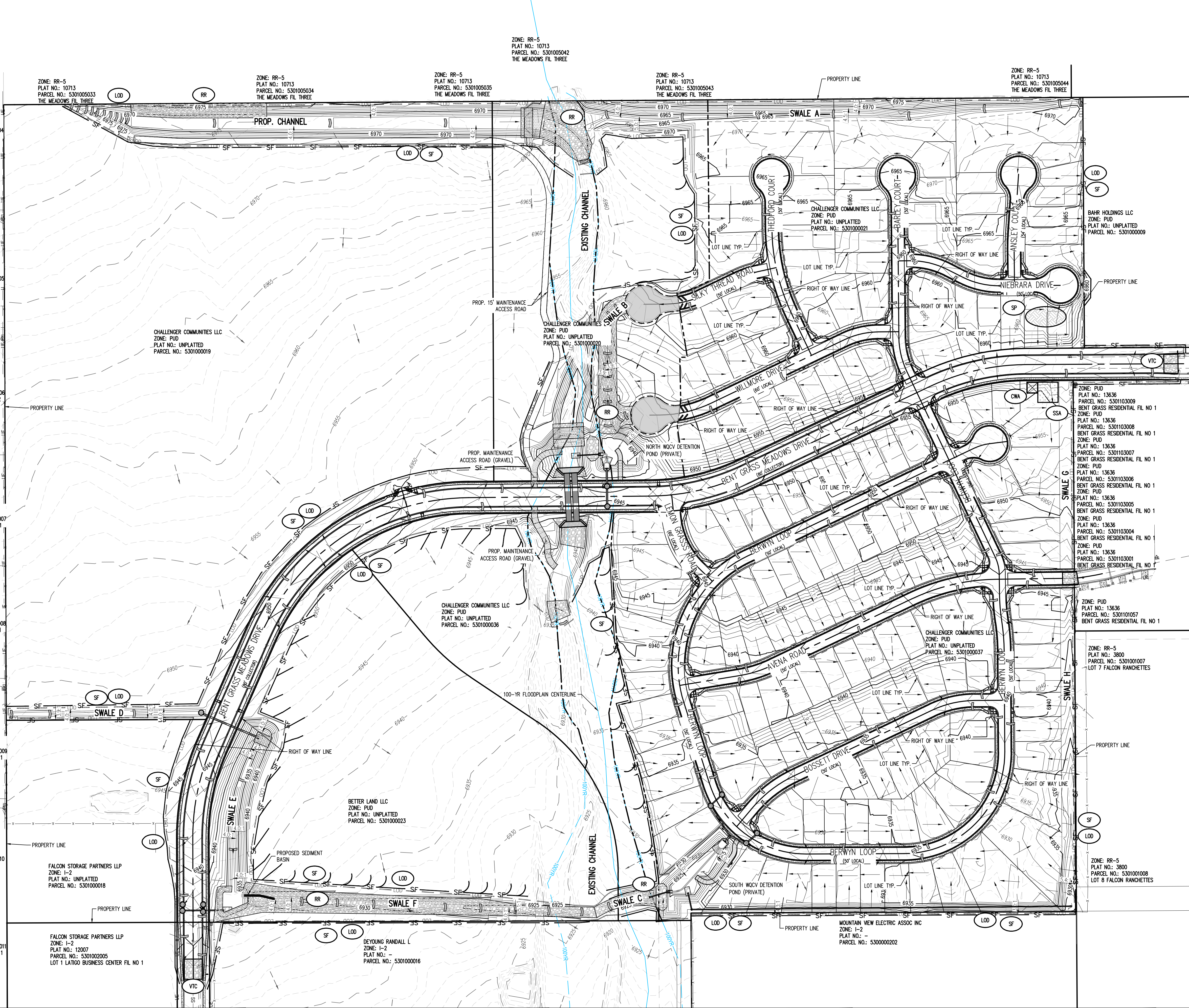


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CHALLENGER HOMES

**FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.**

BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY



| LEGEND | |
|----------|--|
| (Symbol) | EXISTING MINOR CONTOUR |
| (Symbol) | EXISTING MAJOR CONTOUR |
| (Symbol) | PROPOSED MINOR CONTOUR |
| (Symbol) | PROPOSED MAJOR CONTOUR |
| (Symbol) | PROPERTY BOUNDARY |
| (Symbol) | PROPOSED PROPERTY BOUNDARY |
| (Symbol) | 100 - YR FLOODPLAIN LINE |
| (Symbol) | EXISTING STORM SEWER |
| (Symbol) | PROPOSED STORM SEWER |
| (Symbol) | GROUTED BOULDERS |
| (Symbol) | GRAVEL (DOT CLASS 6) |
| (Symbol) | ASPHALT PAVING |
| (Symbol) | SF SILT FENCE (INITIAL) |
| (Symbol) | LOD LIMITS OF DISTURBANCE |
| (Symbol) | SCL SEDIMENT CONTROL LOGS (INTERIM) |
| (Symbol) | IP INLET PROTECTION (INTERIM) |
| (Symbol) | CIP CULVERT INLET PROTECTION (INTERIM) |
| (Symbol) | RR RIP RAP / OUTFALL PADS (FINAL) |
| (Symbol) | SSA STABILIZED STAGING AREA (INTERIM) |
| (Symbol) | SP STOCKPILE (INTERIM) |
| (Symbol) | VTC VEHICLE TRACKING CONTROL (INITIAL) |
| (Symbol) | CWA CONCRETE WASHOUT AREA (INTERIM) |
| (Symbol) | SB SEDIMENT BASIN (FINAL) |
| (Symbol) | RS ROCK SOCK (INTERIM) |
| (Symbol) | EXISTING FLOW |
| (Symbol) | PROPOSED FLOW |
| (Symbol) | PROPOSED SPOT ELEVATION |
| (Symbol) | PROPOSED STRAW CHECK DAM |

NOTES

1. STRAW EDB SHALL BE PLACED ON ALL POND SIDE SLOPES
2. STRAW EDB SHALL BE PLACED ON ALL 4:1 SLOPES AND STEEPER
3. UNLESS OTHERWISE NOTED, ALL RIPRAP SHOWN IS TO BE TYPE L-16" DEPTH.

LEGAL DESCRIPTION

BENT GRASS RESIDENTIAL FILING NO. 2, LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 34° 46' W AND MONUMENTED AS SHOWN.

BASIS OF BEARINGS

ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 34° 46' W AND MONUMENTED AS SHOWN.

BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR IS 24954.6' ELEVATION = 6947.67'

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



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Project No: CUH000014.20
 Drawn By: JDP
 Checked By: RGD
 Date: 4/17/2020

INTERIM OVERALL
 GRADING & EROSION
 CONTROL PLAN
 SF1914
 5/13/2020

ZONE: RR-5
PLAT NO.: 5746
PARCEL NO.: 5302001008
THE MEADOWS FIL NO 1

ZONE: RR-5
PLAT NO.: 5746
PARCEL NO.: 5302001009
THE MEADOWS FIL NO 1

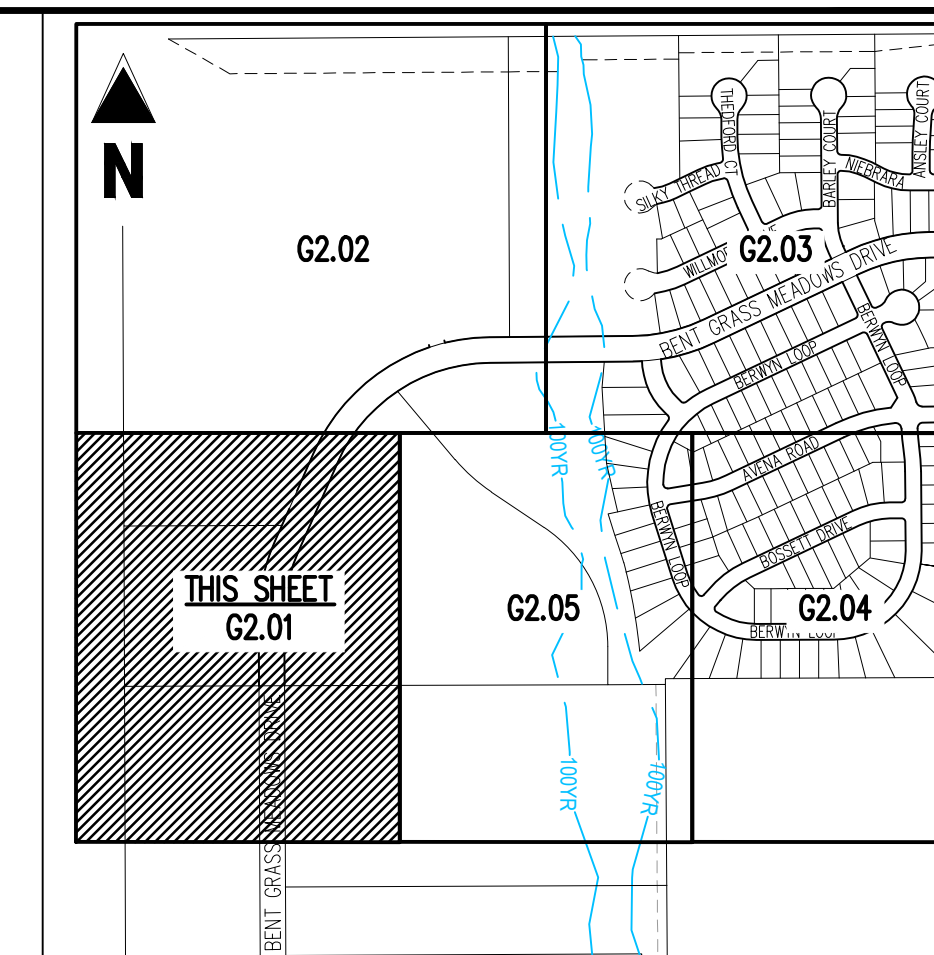
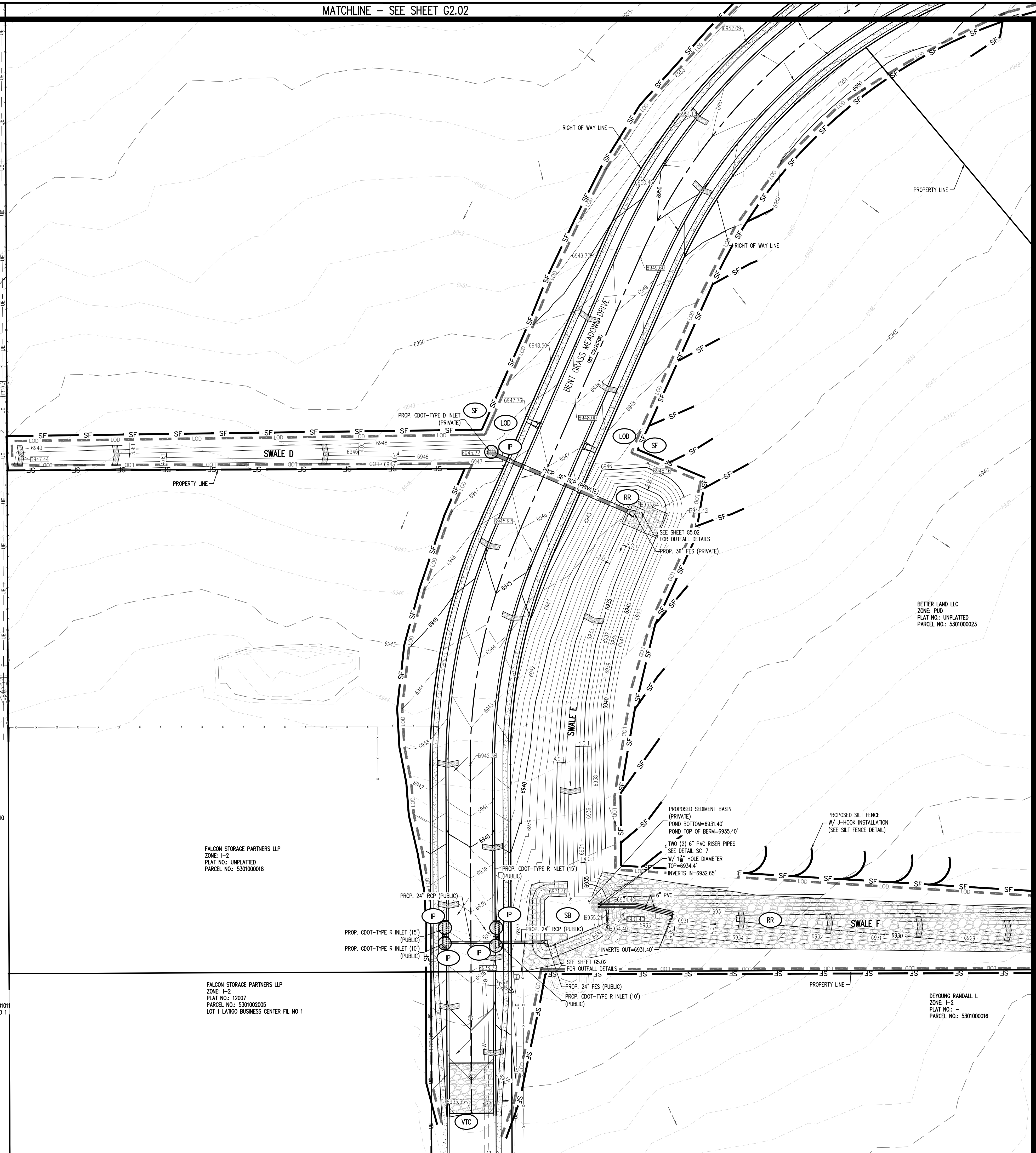
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PLAT NO.: 5746
PARCEL NO.: 5302001010
THE MEADOWS FIL NO 1

FALCON STORAGE PARTNERS LLP
ZONE: I-2
PLAT NO.: UNPLATTED
PARCEL NO.: 5301000018

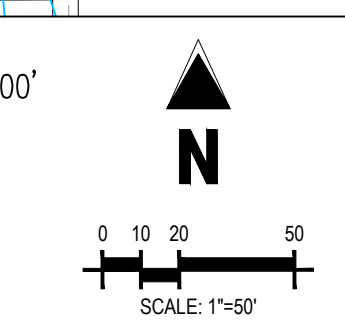
FALCON STORAGE PARTNERS LLP
ZONE: I-2
PLAT NO.: 12007
PARCEL NO.: 5301002005
LOT 1 LATIGO BUSINESS CENTER FIL NO 1

BETTER LAND LLC
ZONE: PUD
PLAT NO.: UNPLATTED
PARCEL NO.: 5301000023

DEYOUNG RANDALL L
ZONE: I-2
PLAT NO.:
PARCEL NO.: 5301000016



KEY MAP
SCALE: 1"=600'



LEGEND

| | |
|-------------------------|------------------------------------|
| (Dashed line) | EXISTING MINOR CONTOUR |
| (Solid line) | EXISTING MAJOR CONTOUR |
| (Dotted line) | PROPOSED MINOR CONTOUR |
| (Dashed line) | PROPOSED MAJOR CONTOUR |
| (Solid line) | EXISTING PROPERTY BOUNDARY |
| (Dashed line) | PROPOSED PROPERTY BOUNDARY |
| (Blue line) | 100 - YR FLOODPLAIN LINE |
| (Line with 'TOS') | TOE OF SLOPE |
| (Line with 'TOB') | TOP OF BANK |
| (Dashed line) | MATCHLINE |
| (Thick dashed line) | EXISTING STORM SEWER |
| (Thin dashed line) | PROPOSED STORM SEWER |
| (Stippled pattern) | GROUTED BOULDERS |
| (Cross-hatched pattern) | GRAVEL (CDOT CLASS 6) |
| (Diagonal lines) | ASPHALT PAVING |
| (Circle with 'SF') | SILT FENCE (INITIAL) |
| (Circle with 'LOD') | LIMITS OF DISTURBANCE |
| (Circle with 'SCL') | SEDIMENT CONTROL LOG (INTERM) |
| (Circle with 'IP') | INLET PROTECTION (INTERM) |
| (Circle with 'CIP') | CULVERT INLET PROTECTION (INTERM) |
| (Circle with 'RR') | RIPP RAP / OUTFALL PADS (FINAL) |
| (Circle with 'SSA') | STABILIZED STAGING AREA (INTERM) |
| (Circle with 'SP') | STOCKPILE (INTERM) |
| (Circle with 'VTC') | VEHICLE TRACKING CONTROL (INITIAL) |
| (Square with 'CWA') | CONCRETE WASHOUT AREA (INTERM) |
| (Square with 'SB') | SEDIMENT BASIN (FINAL) |
| (Square with 'RS') | ROCK SOCKS (INTERM) |
| (Dashed line) | EXISTING FLOW |
| (Solid line) | PROPOSED FLOW |
| (Circle with 'ELEV') | PROPOSED SPOT ELEVATION |
| (Square with 'DAM') | PROPOSED STRAW CHECK DAM |

NOTES
1. STRAW EDB SHALL BE PLACED ON ALL POND SIDE SLOPES
2. STRAW EDB SHALL BE PLACED ON ALL 4:1 SLOPES AND STEEPER
3. UNLESS OTHERWISE NOTED, ALL RIPPAP SHOWN IS TO BE TYPE L-18" DEPTH.

LEGAL DESCRIPTION
BENT GRASS RESIDENTIAL FILING NO. 2 LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER, CORNER SECTION 1, T13S, R65W IS NORTH 34° 46' W AND MONUMENTED AS SHOWN.

BASIS OF BEARINGS
ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER, CORNER SECTION 1, T13S, R65W IS NORTH 34° 46' W AND MONUMENTED AS SHOWN.

BENCHMARK
THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR IS @ 2495.4 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR
1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



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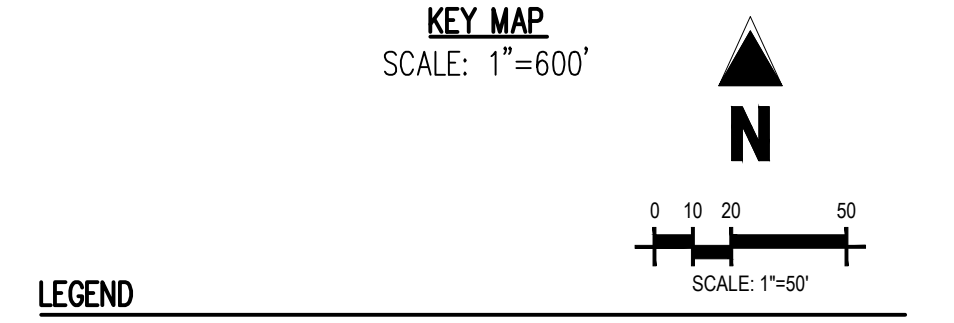
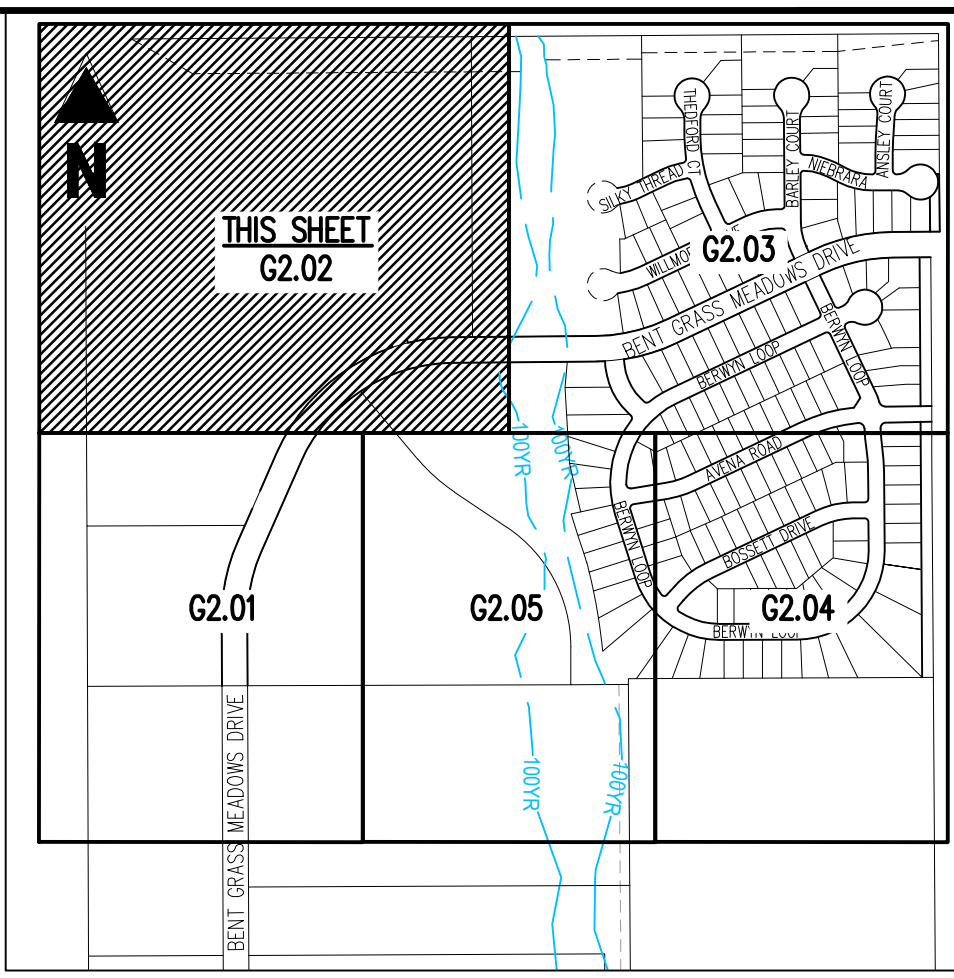
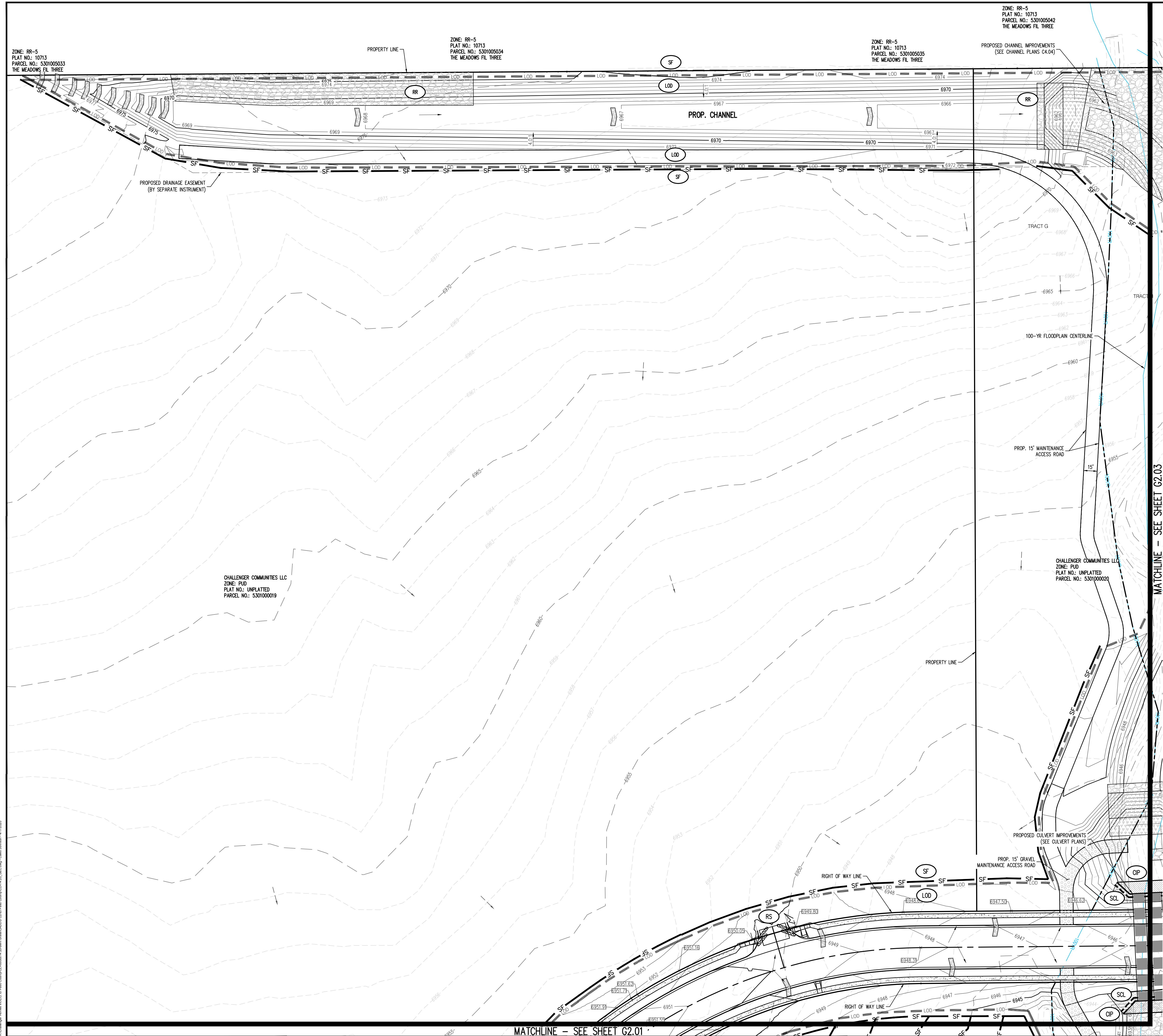


**FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC.**

BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

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Project No: CUH000014.20
Drawn By: JDP
Checked By: RGD
Date: 4/17/2020



| Symbol | Description |
|-----------|------------------------------------|
| - - - - - | EXISTING MINOR CONTOUR |
| - - - - - | EXISTING MAJOR CONTOUR |
| - - - - - | PROPOSED MINOR CONTOUR |
| - - - - - | PROPOSED MAJOR CONTOUR |
| - - - - - | EXISTING PROPERTY BOUNDARY |
| - - - - - | PROPOSED PROPERTY BOUNDARY |
| - - - - - | 100 - YR FLOODPLAIN LINE |
| - - - - - | TOE OF SLOPE |
| - - - - - | TOP OF BANK |
| - - - - - | MATCHLINE |
| - - - - - | EXISTING STORM SEWER |
| - - - - - | PROPOSED STORM SEWER |
| - - - - - | GROUTED BOULDERS |
| - - - - - | GRAVEL (DOT CLASS 6) |
| - - - - - | ASPHALT PAVING |
| - - - - - | SILT FENCE (INITIAL) |
| - - - - - | LIMITS OF DISTURBANCE |
| - - - - - | SEDIMENT CONTROL LOG (INTERM) |
| - - - - - | INLET PROTECTION (INTERM) |
| - - - - - | CULVERT INLET PROTECTION (INTERM) |
| - - - - - | RIPP RAP / OUTFALL PADS (FINAL) |
| - - - - - | STABILIZED STAGING AREA (INTERM) |
| - - - - - | STOCKPILE (INTERM) |
| - - - - - | VEHICLE TRACKING CONTROL (INITIAL) |
| - - - - - | CONCRETE WASHOUT AREA (INTERM) |
| - - - - - | SEDIMENT BASIN (FINAL) |
| - - - - - | ROCK SOCKS (INTERM) |
| - - - - - | EXISTING FLOW |
| - - - - - | PROPOSED FLOW |
| - - - - - | PROPOSED SPOT ELEVATION |
| - - - - - | PROPOSED STRAW CHECK DAM |

NOTES

- STRAW ECB SHALL BE PLACED ON ALL POND SIDE SLOPES
- STRAW ECB SHALL BE PLACED ON ALL 4:1 SLOPES AND STEEPER
- UNLESS OTHERWISE NOTED, ALL RIPP RAP SHOWN IS TO BE TYPE L-18" DEPTH.

LEGAL DESCRIPTION

BENT GRASS RESIDENTIAL FILING NO. 2 LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER, CORNER SECTION 1, T13S, R65W IS N00°15'46" W AND MONUMENTED AS SHOWN.

BASIS OF BEARINGS

ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS N00°15'46" W AND MONUMENTED AS SHOWN.

BENCHMARK

THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYOR'S CAP ON A NO. 4 REBAR IS# 24954 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
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Galloway

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04/20/2020

CHALLENGER HOMES

**FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.
 BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY**

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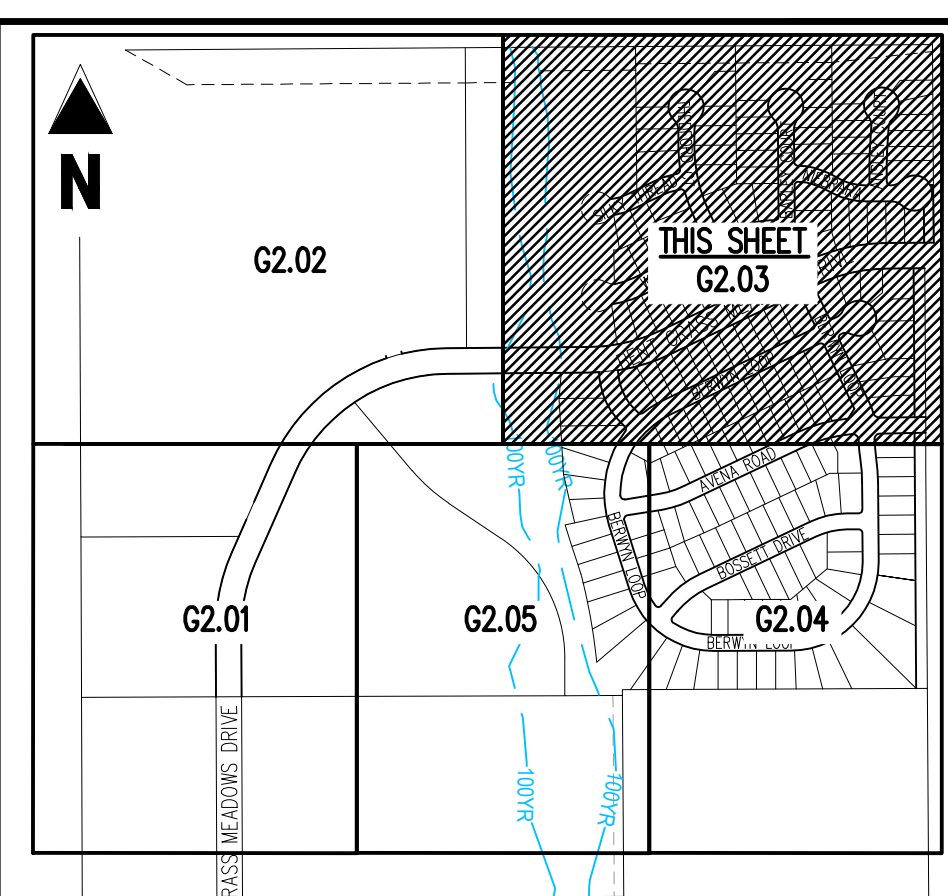
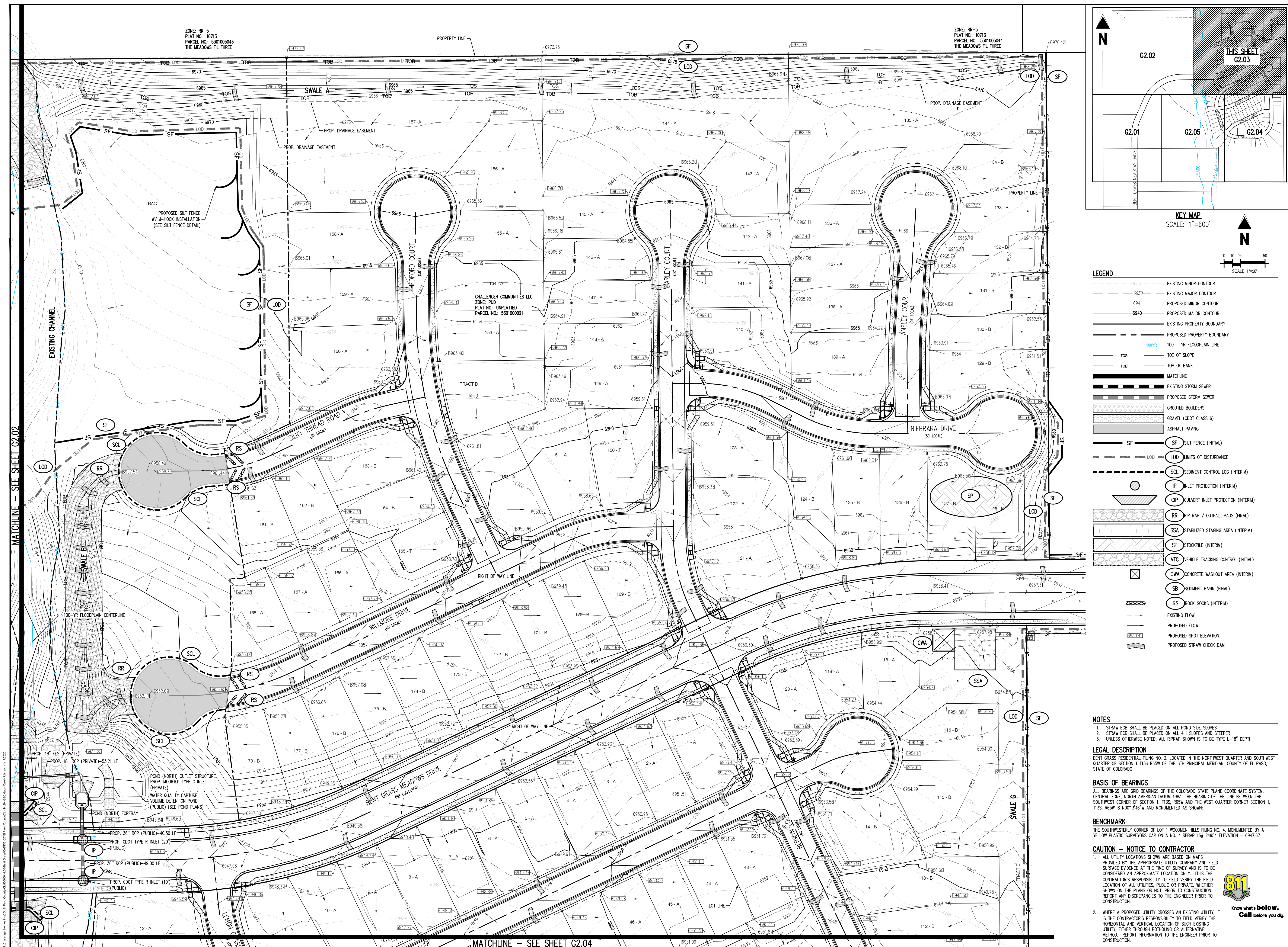
Project No: CUH000014.20
 Drawn By: JDP
 Checked By: RGD
 Date: 4/17/2020

INTERIM GRADING & EROSION CONTROL PLAN

SF1914
 5/13/2020

G2.02

Sheet 7 of 29



KEY MAP
SCALE: 1"=600'

0 10 20 50
SCALE: 1"=50'

LEGEND

| | |
|--------|------------------------------------|
| -69.7 | EXISTING MINOR CONTOUR |
| -69.30 | EXISTING MAJOR CONTOUR |
| -69.41 | PROPOSED MINOR CONTOUR |
| -69.40 | PROPOSED MAJOR CONTOUR |
| - | EXISTING PROPERTY BOUNDARY |
| - | PROPOSED PROPERTY BOUNDARY |
| - | 100-YR FLOODPLAIN LINE |
| TOS | TOE OF SLOPE |
| TOB | TOP OF BANK |
| --- | MATCHLINE |
| - | EXISTING STORM SEWER |
| - | PROPOSED STORM SEWER |
| - | GROUTED BOULDERS |
| - | GRAVEL (DOT CLASS 6) |
| - | ASPHALT PAVING |
| SF | SILT FENCE (INITIAL) |
| LOD | LIMITS OF DISTURBANCE |
| SCL | SEDIMENT CONTROL LOG (INTERM) |
| IP | INLET PROTECTION (INTERM) |
| QIP | QUILVER INLET PROTECTION (INTERM) |
| RR | RIP RAP / OUTFALL PADS (FINAL) |
| SSA | STABILIZED STAGING AREA (INTERM) |
| SP | STOCKPILE (INTERM) |
| VTC | VEHICLE TRACKING CONTROL (INITIAL) |
| CWA | CONCRETE WASHOUT AREA (INTERM) |
| SB | SEDIMENT BASIN (FINAL) |
| RS | ROCK SOCKS (INTERM) |
| - | EXISTING FLOW |
| - | PROPOSED FLOW |
| - | PROPOSED SPOT ELEVATION |
| - | PROPOSED STRAW CHECK DAM |

NOTES

1. STRAW EOB SHALL BE PLACED ON ALL POND SIDE SLOPES
2. STRAW EOB SHALL BE PLACED ON ALL 4:1 SLOPES AND STEEPER
3. UNLESS OTHERWISE NOTED, ALL RIPRAP SHOWN IS TO BE TYPE L-16" DEPTH.

LEGAL DESCRIPTION

BENT GRASS RESIDENTIAL FILING NO. 2 LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 46°41' W AND MONUMENTED AS SHOWN.

BASIS OF BEARINGS

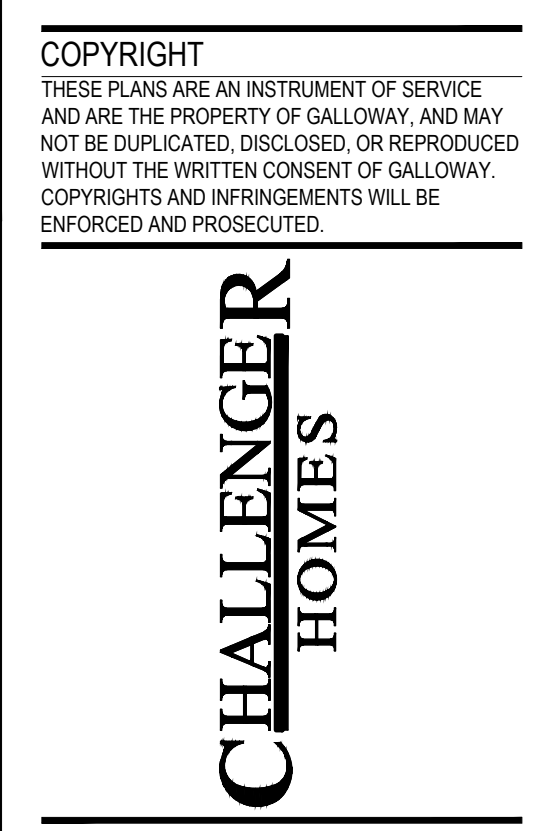
ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 46°41' W AND MONUMENTED AS SHOWN.

BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR IS 24954 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



CHALLENGER HOMES

FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC.

BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

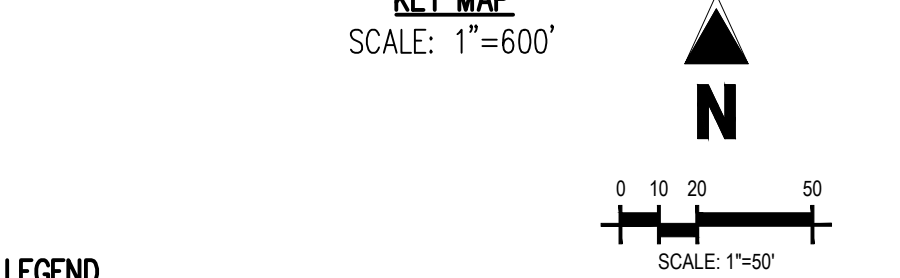
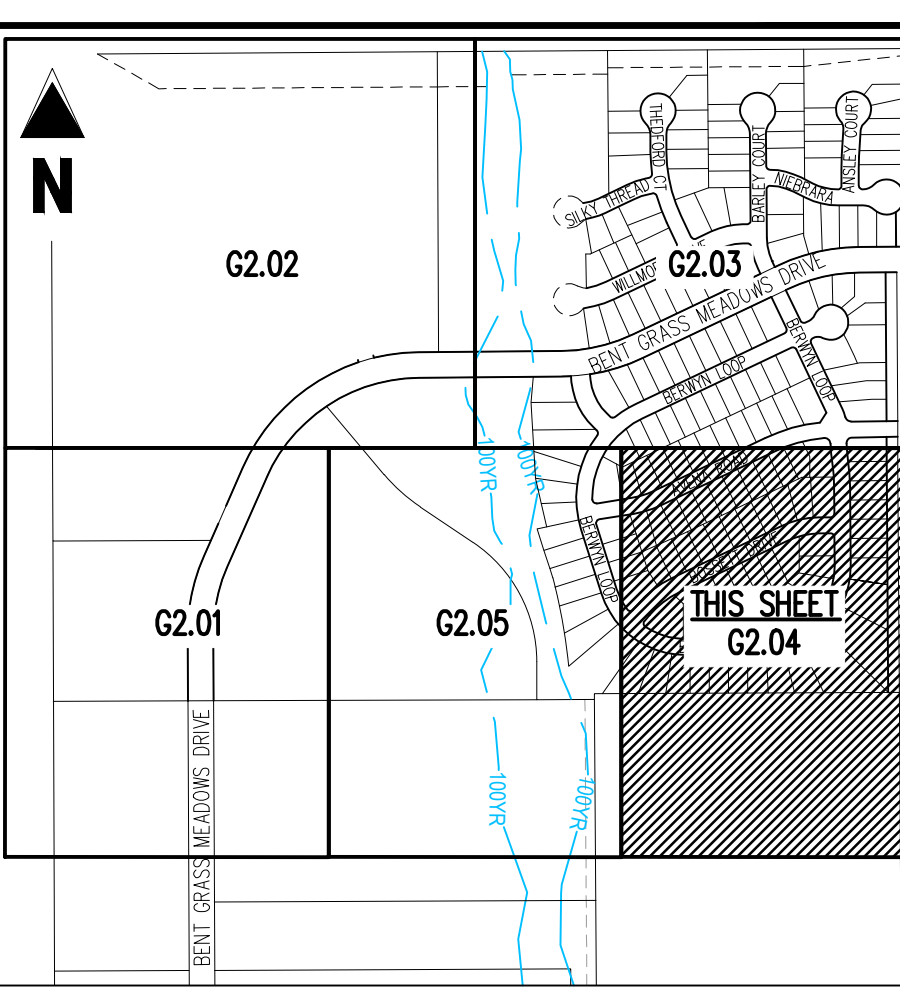
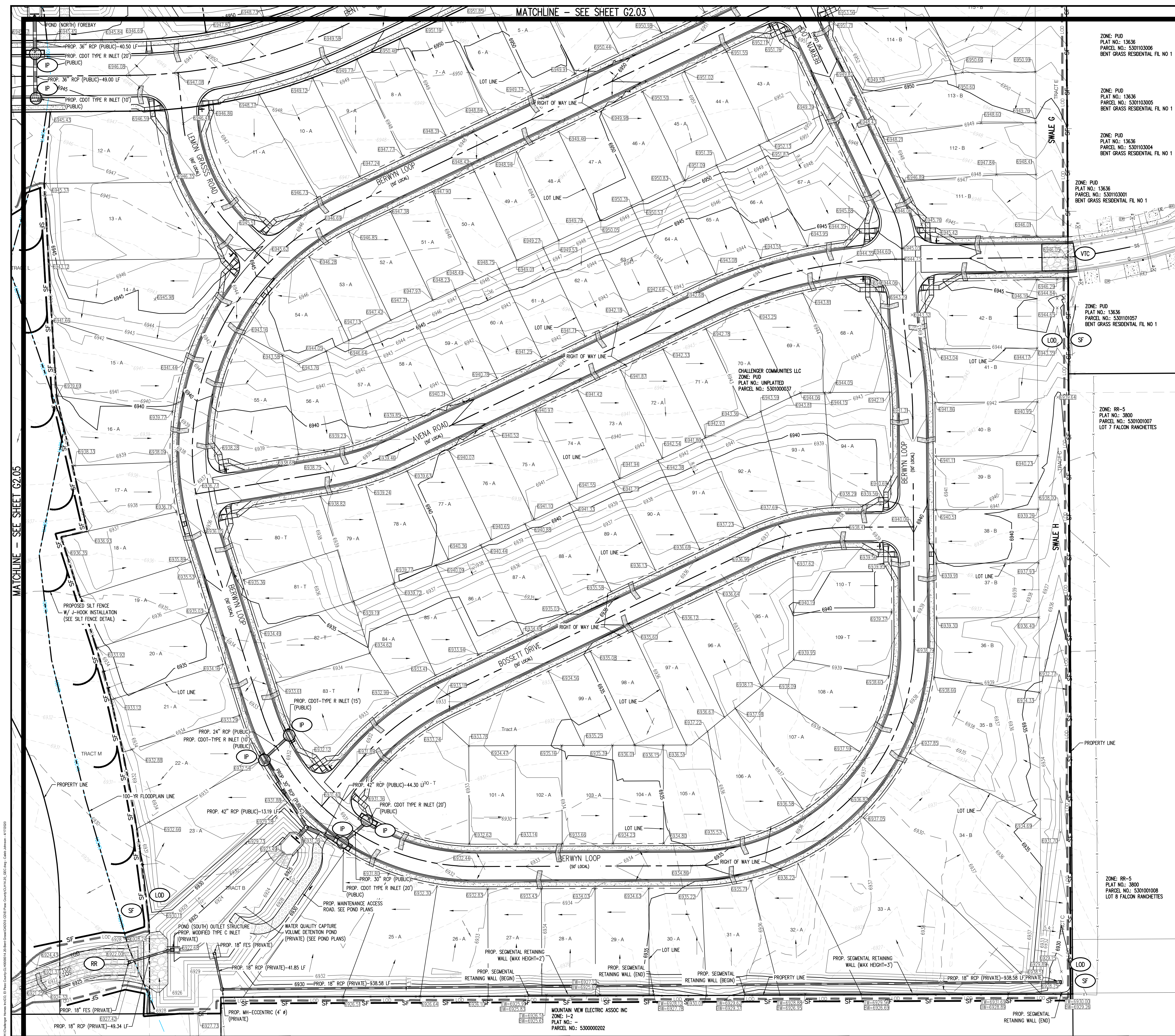
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Project No: CH000014.20
Drawn By: JDP
Checked By: RGD
Date: 4/17/2020

INTERIM GRADING & EROSION CONTROL PLAN
SF1914
5/13/2020

G2.03
Sheet 8 of 29





LEGEND

- 69.11 - EXISTING MINOR CONTOUR
- 69.39 - EXISTING MAJOR CONTOUR
- 69.41 - PROPOSED MINOR CONTOUR
- 69.40 - PROPOSED MAJOR CONTOUR
- - - - EXISTING PROPERTY BOUNDARY
- - - - PROPOSED PROPERTY BOUNDARY
- 100YR --- 100 - YR FLOODPLAIN LINE
- T05 --- TOE OF SLOPE
- T08 --- TOP OF BANK
- --- MATCHLINE
- --- EXISTING STORM SEWER
- --- PROPOSED STORM SEWER
- [Pattern] --- GROUTED BOULDERS
- [Pattern] --- GRAVEL (DOT CLASS 6)
- [Pattern] --- ASPHALT PAVING
- SF --- SF SILT FENCE (INITIAL)
- LOD --- LOD LIMITS OF DISTURBANCE
- SCL --- SCL SEDIMENT CONTROL LOG (INTERM)
- IP --- IP INLET PROTECTION (INTERM)
- QIP --- QIP CULVERT INLET PROTECTION (INTERM)
- RR --- RR RIP RAP / OUTFALL PADS (FINAL)
- SSA --- SSA STABILIZED STAGING AREA (INTERM)
- SP --- SP STOCKPILE (INTERM)
- VTC --- VTC VEHICLE TRACKING CONTROL (INITIAL)
- CWA --- CWA CONCRETE WASHOUT AREA (INTERM)
- SB --- SB SEDIMENT BASIN (FINAL)
- RS --- RS ROCK SOCKS (INTERM)
- --- EXISTING FLOW
- --- PROPOSED FLOW
- >E330.25 --- PROPOSED SPOT ELEVATION
- [Symbol] --- PROPOSED STRAW CHECK DAM

- NOTES**
- STRAW EOB SHALL BE PLACED ON ALL POND SIDE SLOPES
 - STRAW EOB SHALL BE PLACED ON ALL 4:1 SLOPES AND STEEPER 3:1 UNLESS OTHERWISE NOTED, ALL RIPRAP SHOWN IS TO BE TYPE L-18" DEPTH.
- LEGAL DESCRIPTION**
- BENT GRASS RESIDENTIAL FILING NO. 2, LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER, CORNER SECTION 1, T13S, R65W IS NORTH34°46'W AND MONUMENTED AS SHOWN.
- BASIS OF BEARINGS**
- ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER, CORNER SECTION 1, T13S, R65W IS NORTH34°46'W AND MONUMENTED AS SHOWN.
- BENCHMARK**
- THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR L# 24954 ELEVATION = 6947.67
- CAUTION - NOTICE TO CONTRACTOR**
- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
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ZONE: PUD
PLAT NO.: 13636
PARCEL NO.: 530103006
BENT GRASS RESIDENTIAL FIL NO 1

ZONE: PUD
PLAT NO.: 13636
PARCEL NO.: 530103005
BENT GRASS RESIDENTIAL FIL NO 1

ZONE: PUD
PLAT NO.: 13636
PARCEL NO.: 530103004
BENT GRASS RESIDENTIAL FIL NO 1

ZONE: PUD
PLAT NO.: 13636
PARCEL NO.: 530103001
BENT GRASS RESIDENTIAL FIL NO 1

ZONE: PUD
PLAT NO.: 13636
PARCEL NO.: 530101057
BENT GRASS RESIDENTIAL FIL NO 1

ZONE: RR-5
PLAT NO.: 3800
PARCEL NO.: 5301001007
LOT 7 FALCON RANCHETTES

MATCHLINE - SEE SHEET G2.05

MATCHLINE - SEE SHEET G2.03

PROJECT: MOUNTAIN VIEW ELECTRIC ASSOC INC ZONE: I-2 PLAT NO.: - PARCEL NO.: 530000202

Galloway

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04/20/2020

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CHALLENGER HOMES

FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC.
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

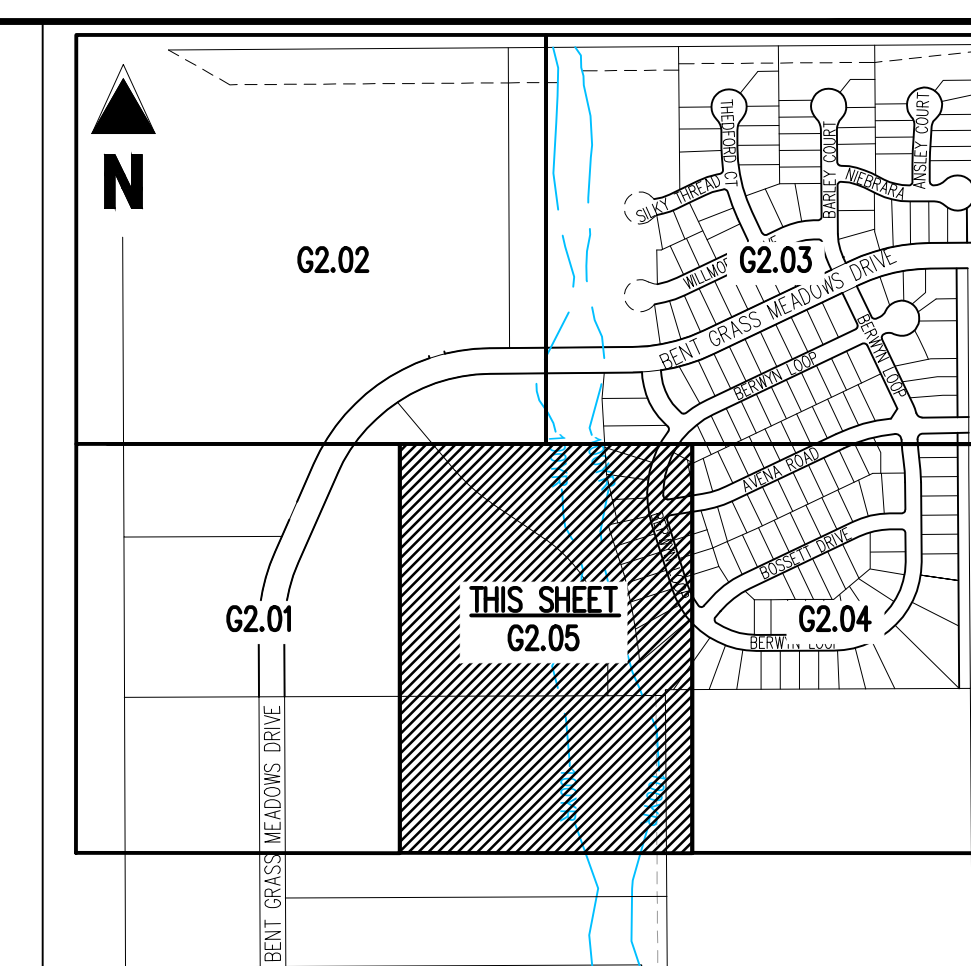
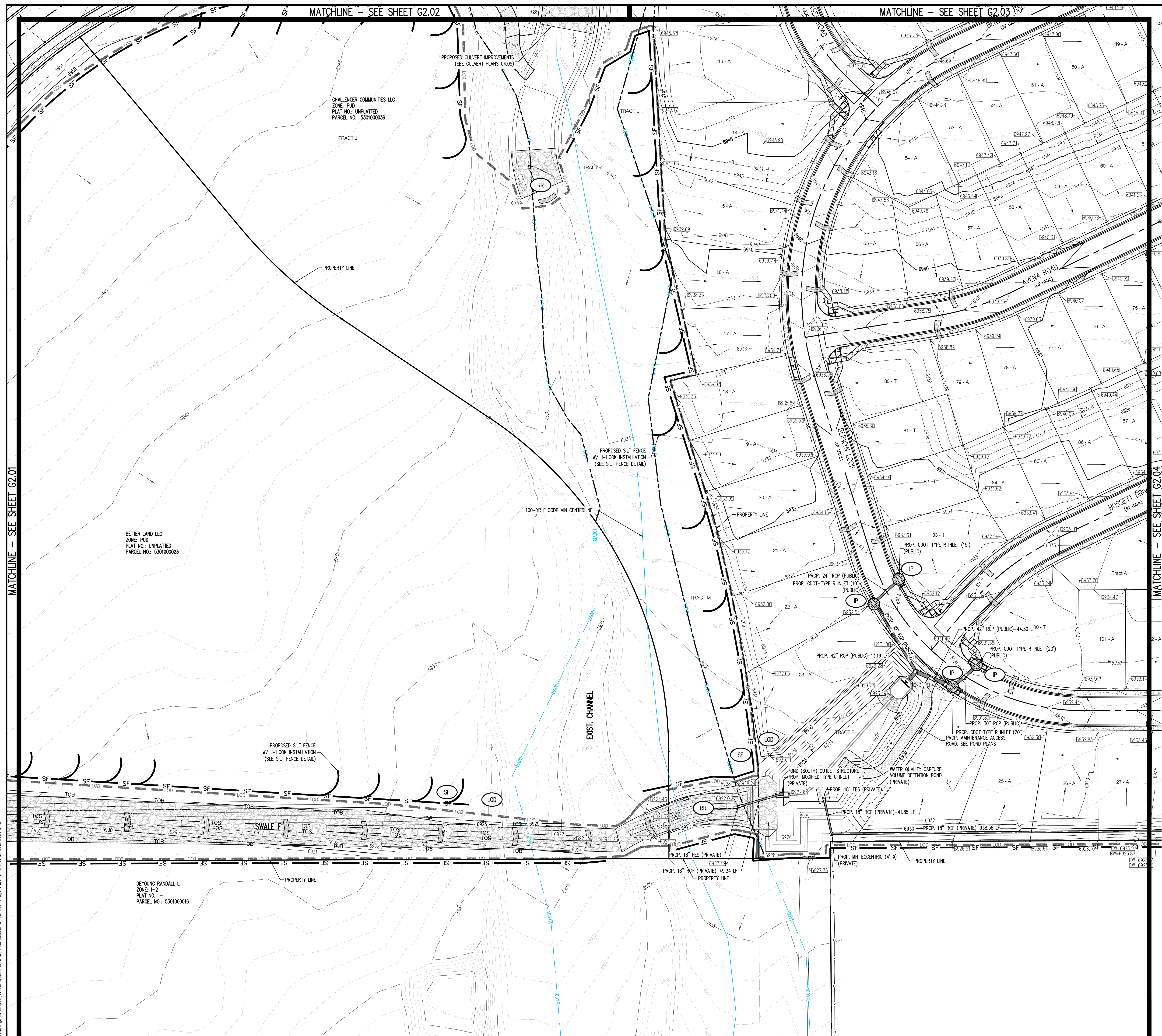
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Project No: CUH00014.20
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Checked By: JDP
Date: 4/17/2020

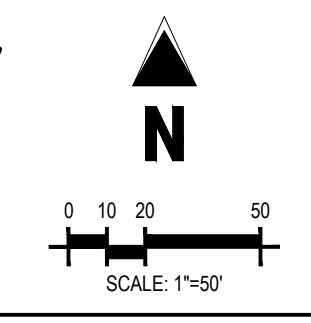
INTERIM GRADING & EROSION CONTROL PLAN
SF1914
5/13/2020

G2.04
Sheet 9 of 29





KEY MAP
SCALE: 1"=600'



LEGEND

| | |
|--------|--|
| -69.31 | EXISTING MINOR CONTOUR |
| -69.30 | EXISTING MAJOR CONTOUR |
| -69.41 | PROPOSED MINOR CONTOUR |
| -69.40 | PROPOSED MAJOR CONTOUR |
| --- | EXISTING PROPERTY BOUNDARY |
| --- | PROPOSED PROPERTY BOUNDARY |
| - - - | 100-YR FLOODPLAIN LINE |
| TOS | TOE OF SLOPE |
| TOB | TOP OF BANK |
| --- | MATCHLINE |
| --- | EXISTING STORM SEWER |
| --- | PROPOSED STORM SEWER |
| --- | GROUTED BOULDERS |
| --- | GRAVEL (CDOT CLASS 6) |
| --- | ASPHALT PAVING |
| SF | SILT FENCE (INITIAL) |
| LOD | LIMITS OF DISTURBANCE |
| --- | SCL SEDIMENT CONTROL LOG (INTERM) |
| --- | IP INLET PROTECTION (INTERM) |
| --- | IP INLET PROTECTION (INTERM) |
| --- | IP INLET PROTECTION (INTERM) |
| --- | RR RIP RAP / OUTFALL PADS (FINAL) |
| --- | SSA STABILIZED STAGING AREA (INTERM) |
| --- | SP STOCKPILE (INTERM) |
| --- | VTC VEHICLE TRACKING CONTROL (INITIAL) |
| --- | CWA CONCRETE WASHOUT AREA (INTERM) |
| --- | SB SEDIMENT BASIN (FINAL) |
| --- | RS ROCK SOCKS (INTERM) |
| --- | EXISTING FLOW |
| --- | PROPOSED FLOW |
| --- | PROPOSED SPOT ELEVATION |
| --- | PROPOSED STRAW CHECK DAM |

NOTES

1. STRAW EDB SHALL BE PLACED ON ALL POND SIDE SLOPES
2. STRAW EDB SHALL BE PLACED ON ALL 4:1 SLOPES AND STEEPER
3. UNLESS OTHERWISE NOTED, ALL RIPRAP SHOWN IS TO BE TYPE 1-18" DEPTH.

LEGAL DESCRIPTION

BENT GRASS RESIDENTIAL FILING NO. 2, LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER, CORNER SECTION 1, T13S, R65W IS NORTH 15° 46' W AND MONUMENTED AS SHOWN.

BASIS OF BEARINGS

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BENCHMARK

THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR IS # 24954 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

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2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

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CHALLENGER HOMES

**FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC.**

BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

| # | Date | Issue / Description | Init. |
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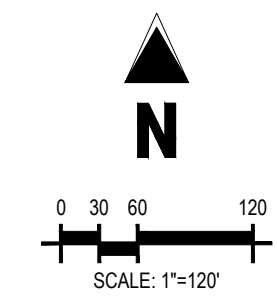
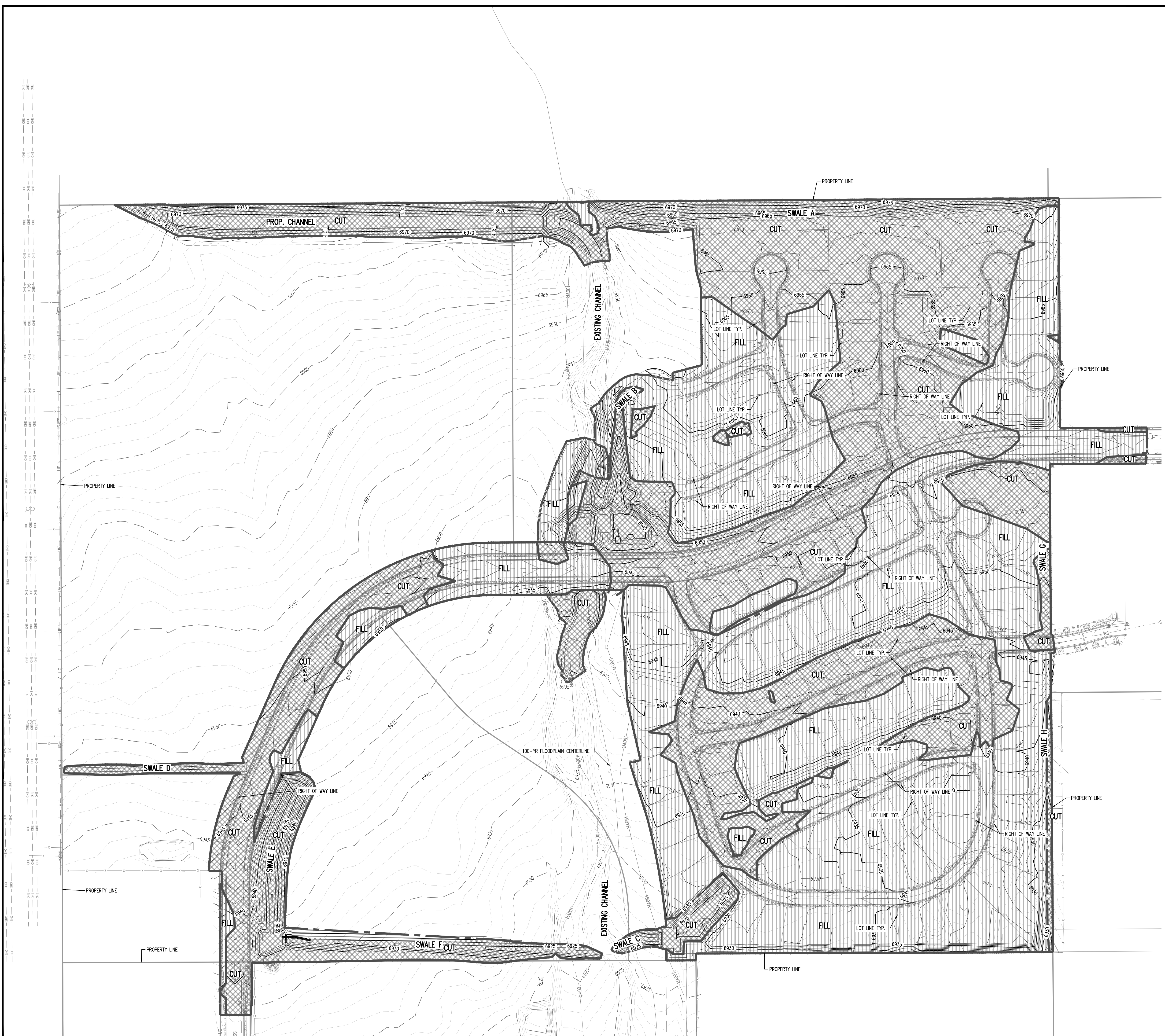
Project No: CLH000014.20
Drawn By: JDP
Checked By: RGD
Date: 4/17/2020

INTERIM GRADING & EROSION CONTROL PLAN

SF1914
5/13/2020

G2.05

Sheet 10 of 29



LEGEND

- - - - - EXISTING MINOR CONTOUR
- - - - - EXISTING MAJOR CONTOUR
- - - - - PROPOSED MINOR CONTOUR
- - - - - PROPOSED MAJOR CONTOUR
- - - - - EXISTING PROPERTY BOUNDARY
- - - - - PROPOSED PROPERTY BOUNDARY
- - - - - 100-YR FLOODPLAIN LINE
- [Cross-hatched box] AREAS OF FILL
- [Diagonal hatched box] AREAS OF CUT



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CHALLENGER HOMES

FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
CHALLENGER COMMUNITIES, LLC.
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

| # | Date | Issue / Description | Init. |
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LEGAL DESCRIPTION
 BENT GRASS RESIDENTIAL FILING NO. 2, LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER, CORNER SECTION 1, T13S, R65W IS NORTH 15 46' W AND MONUMENTED AS SHOWN.

BASIS OF BEARINGS
 ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 15 46' W AND MONUMENTED AS SHOWN.

BENCHMARK
 THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR IS @ 24954 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



Project No: CUH000014.20
 Drawn By: JDP
 Checked By: RGD
 Date: 4/17/2020

CUT AND FILL AREAS
 SF1914
 5/13/2020



04/20/2020

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**FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.**

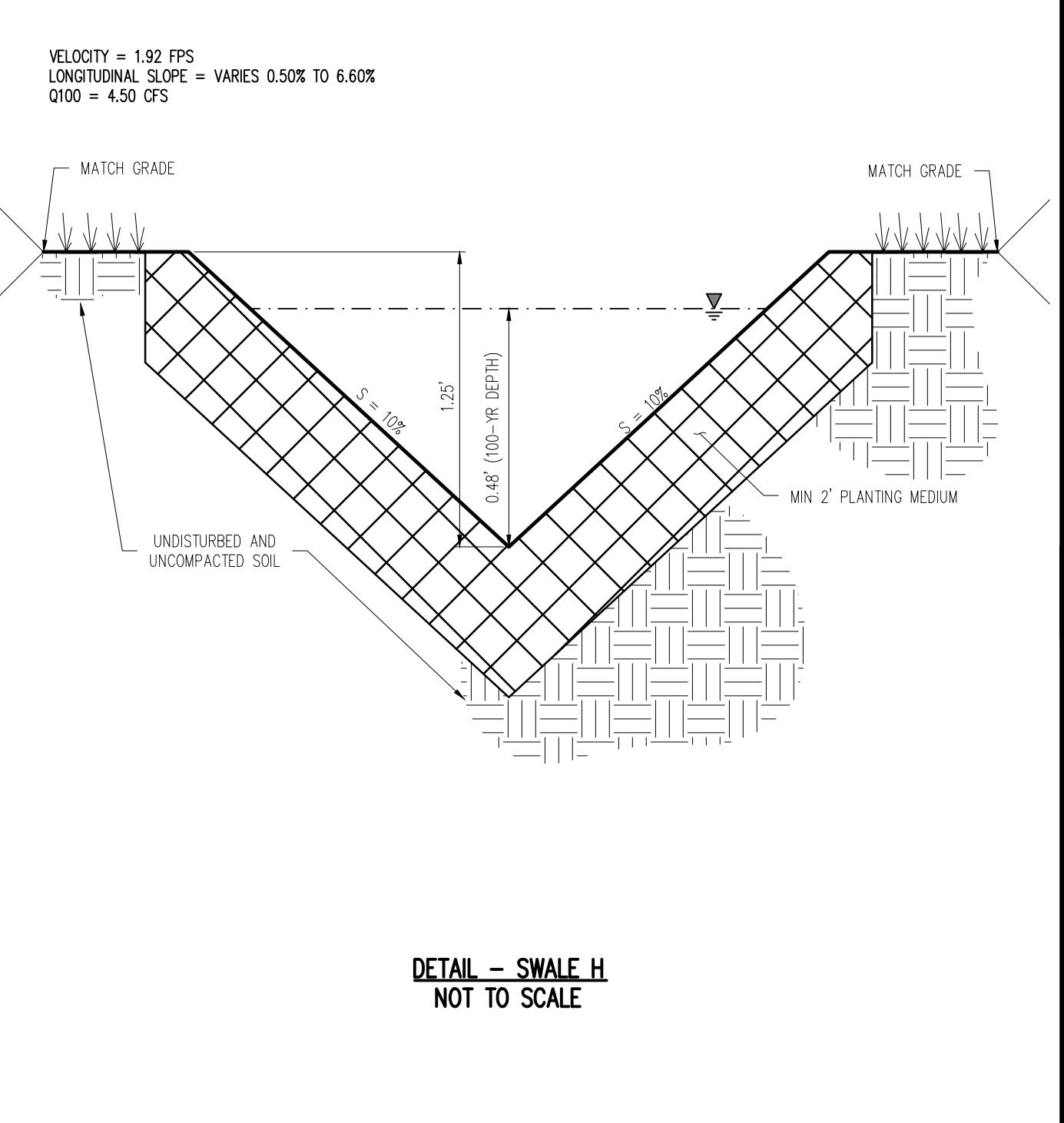
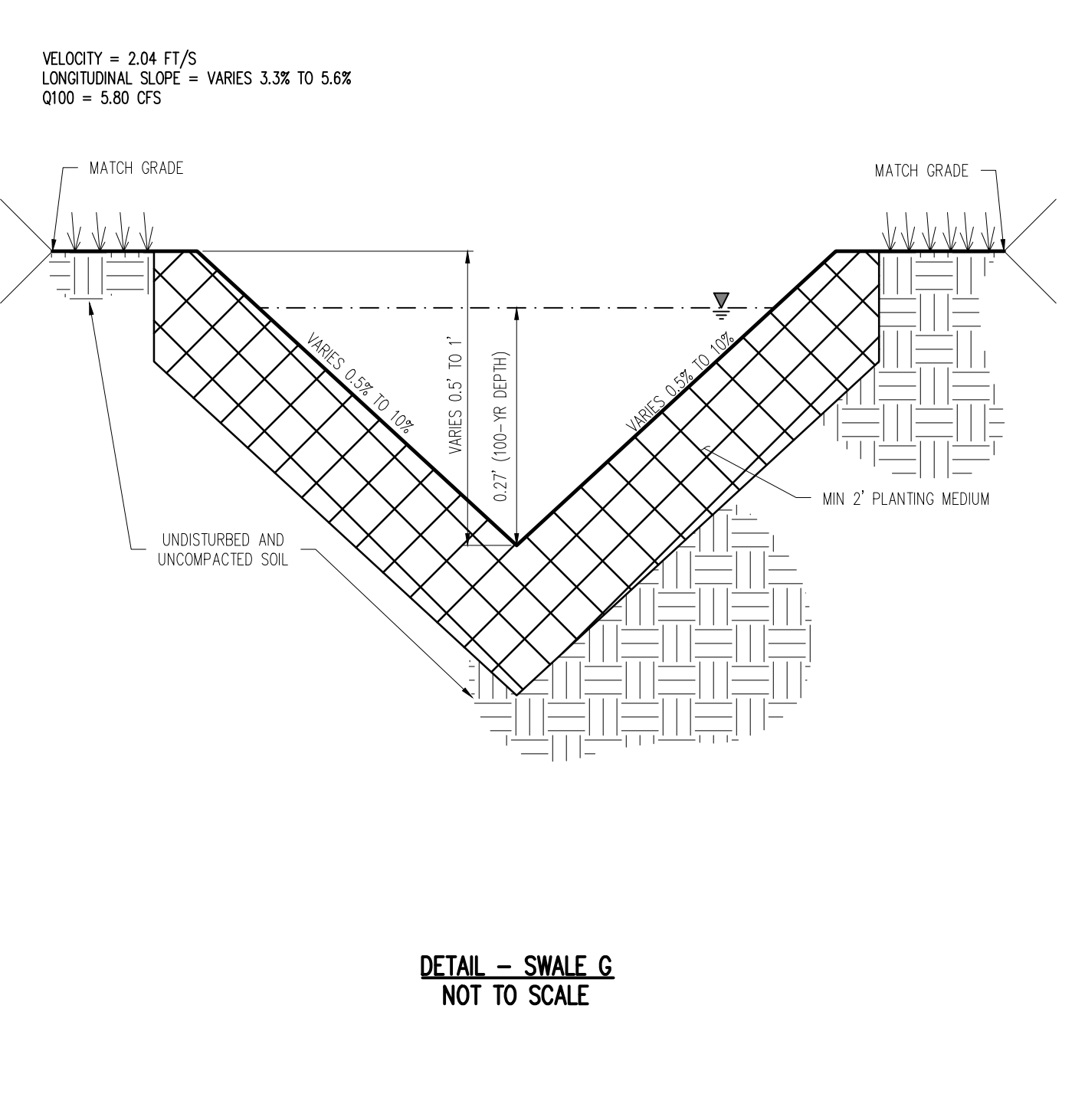
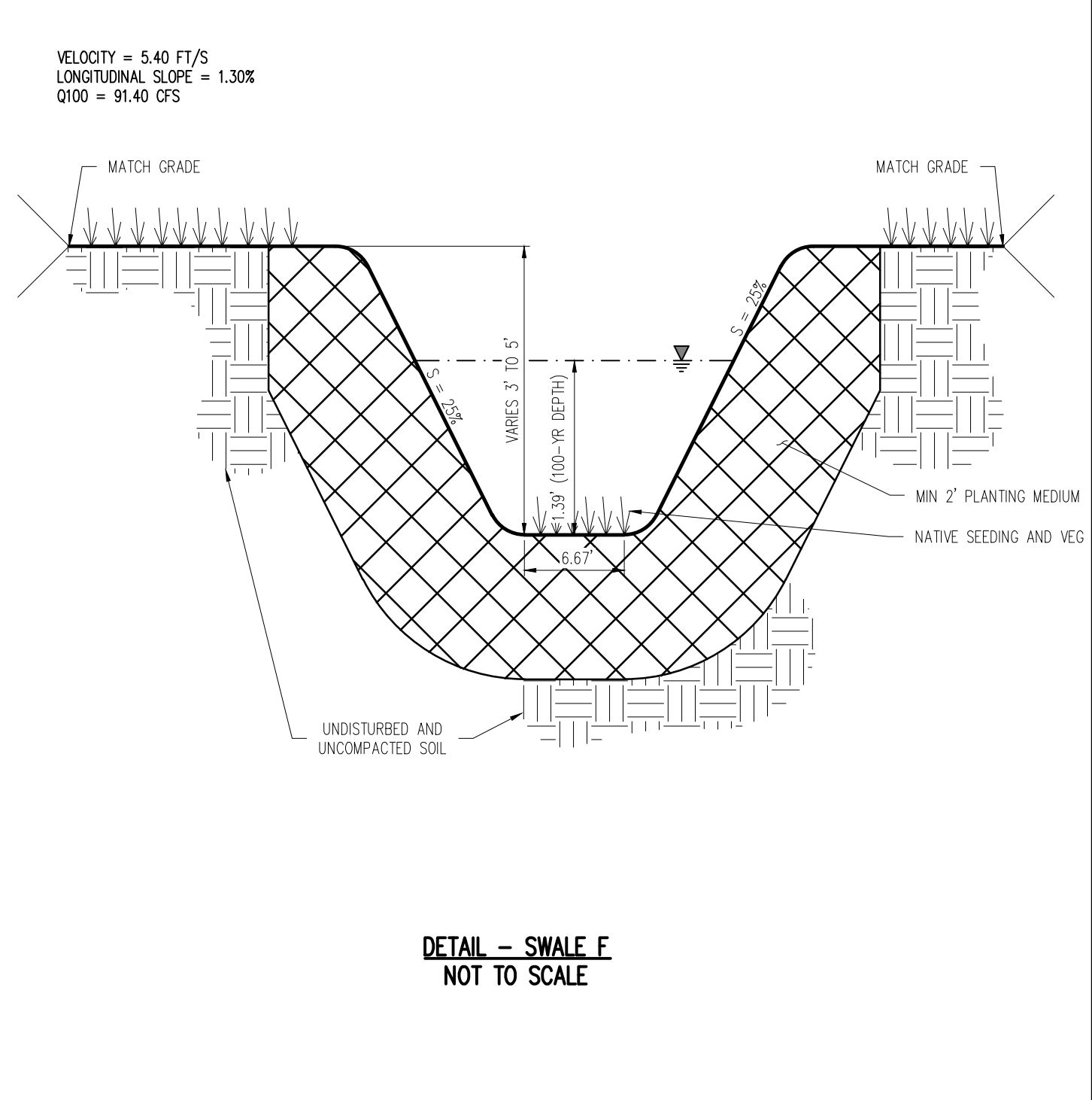
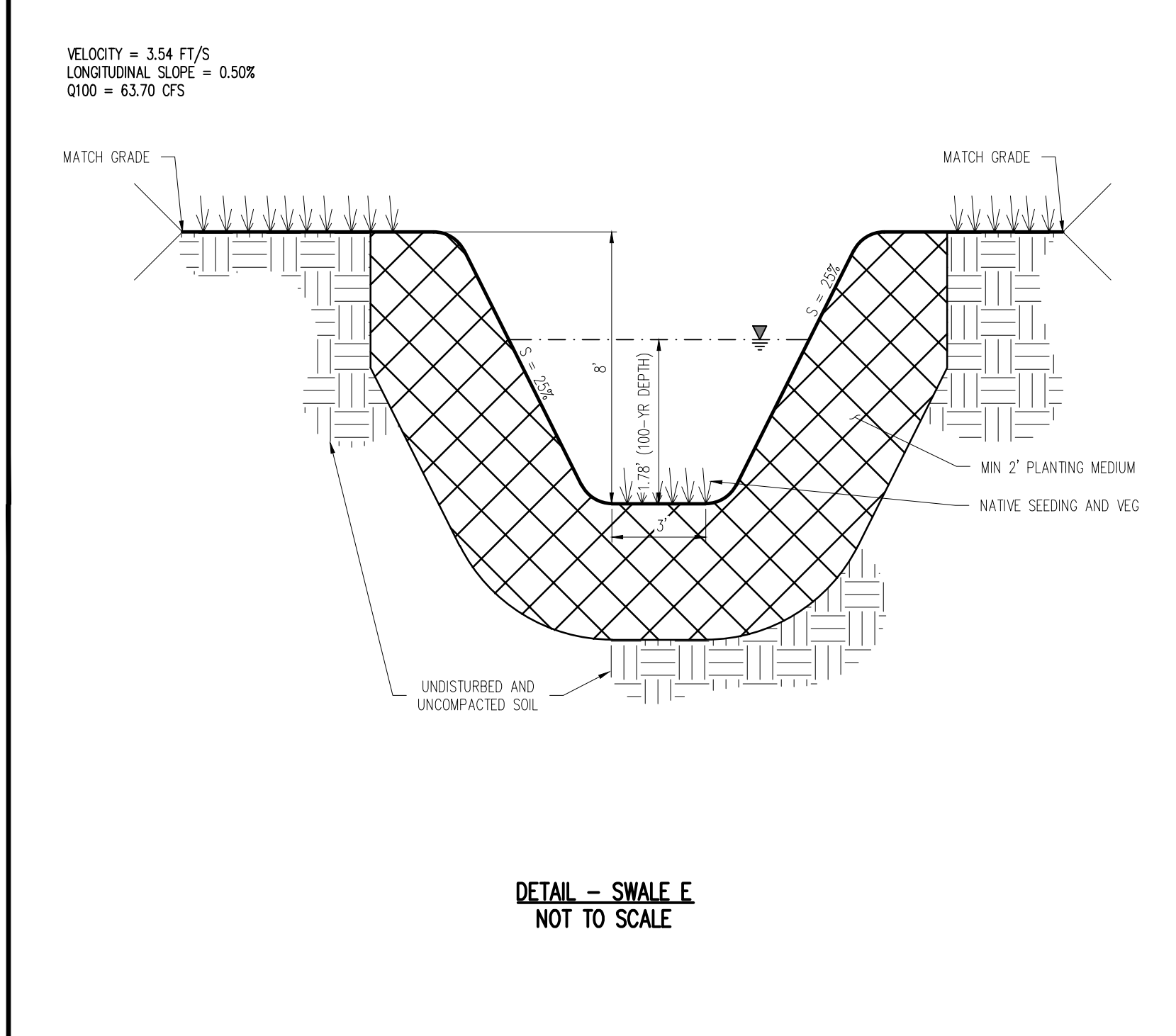
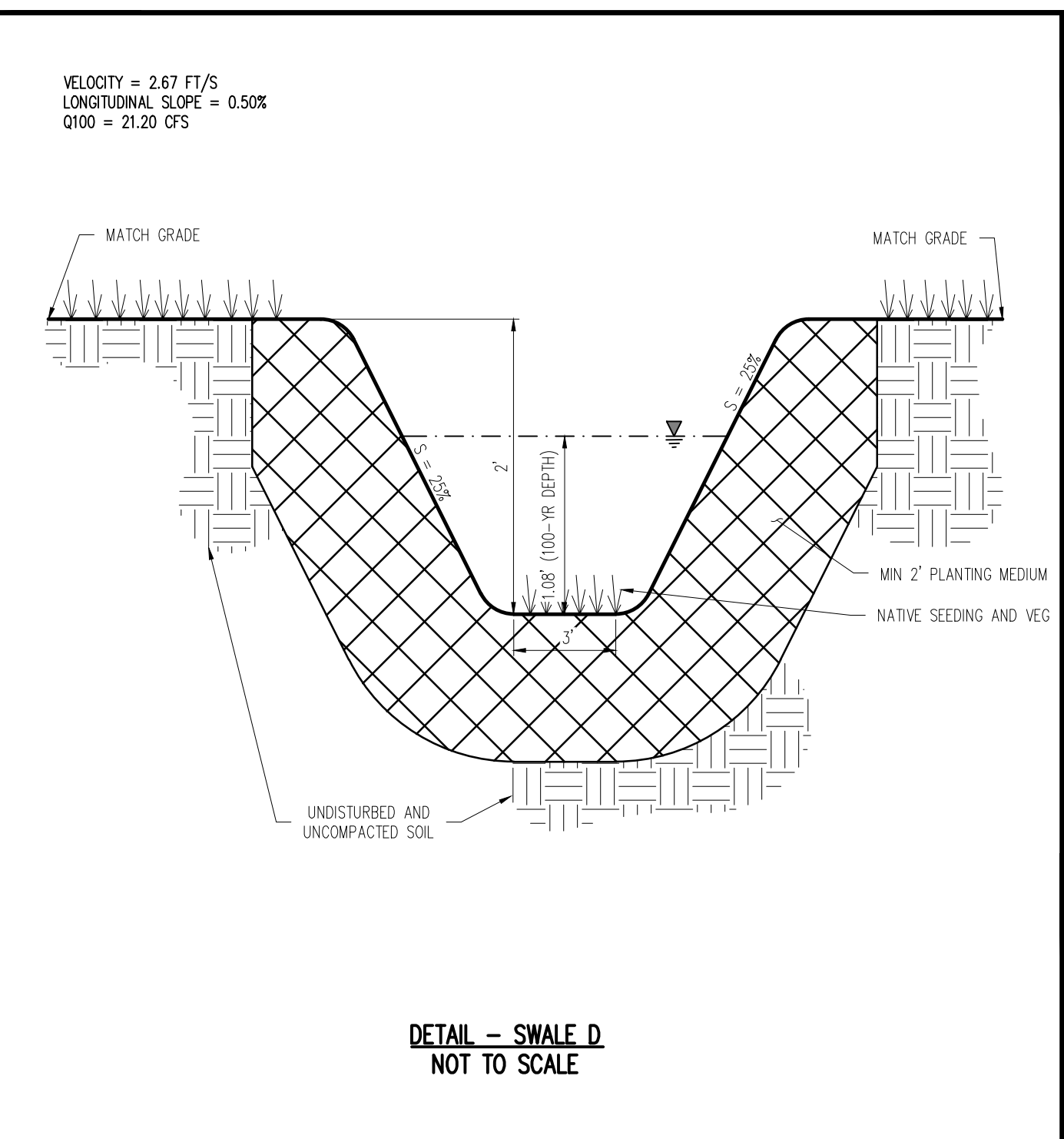
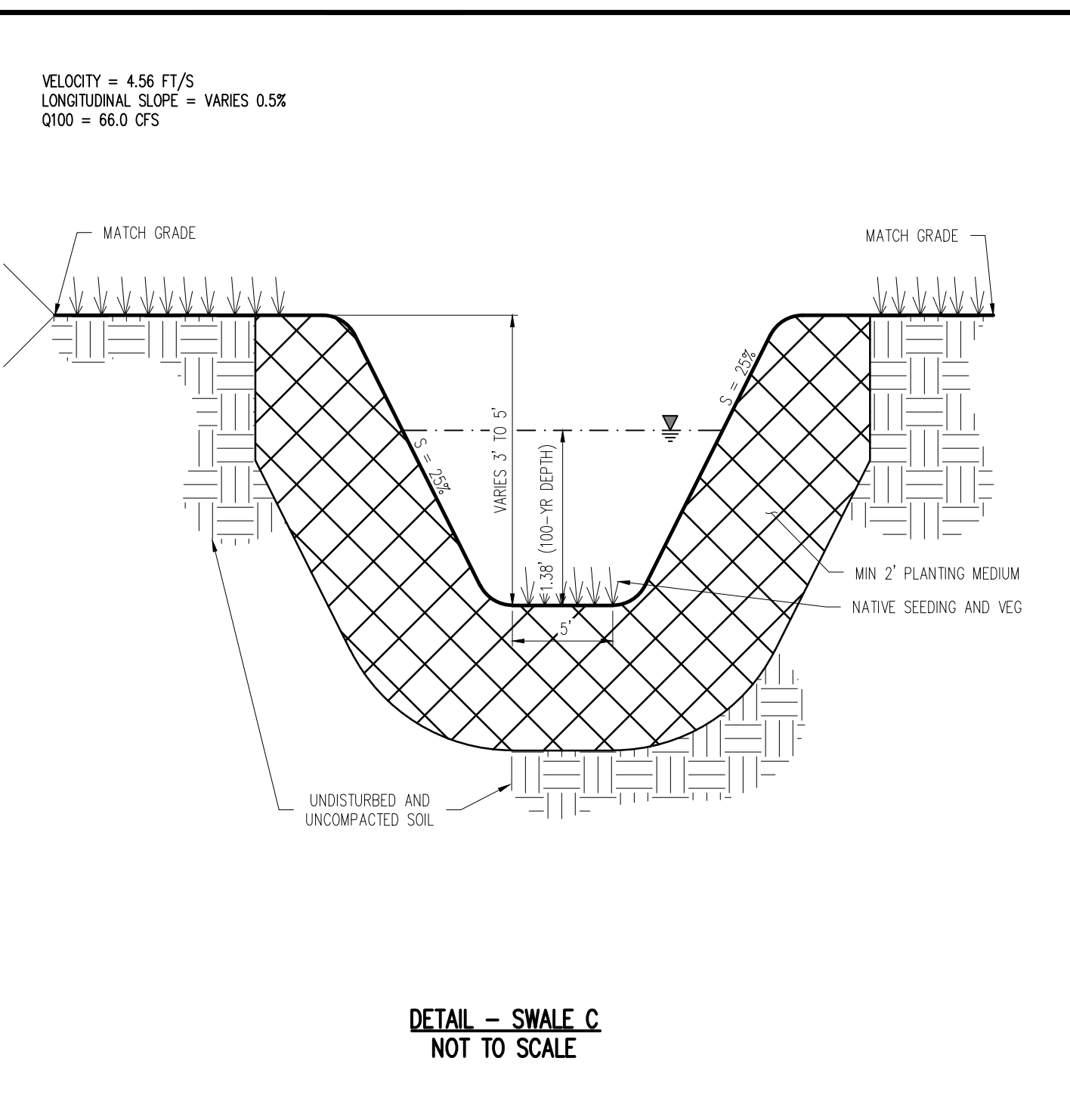
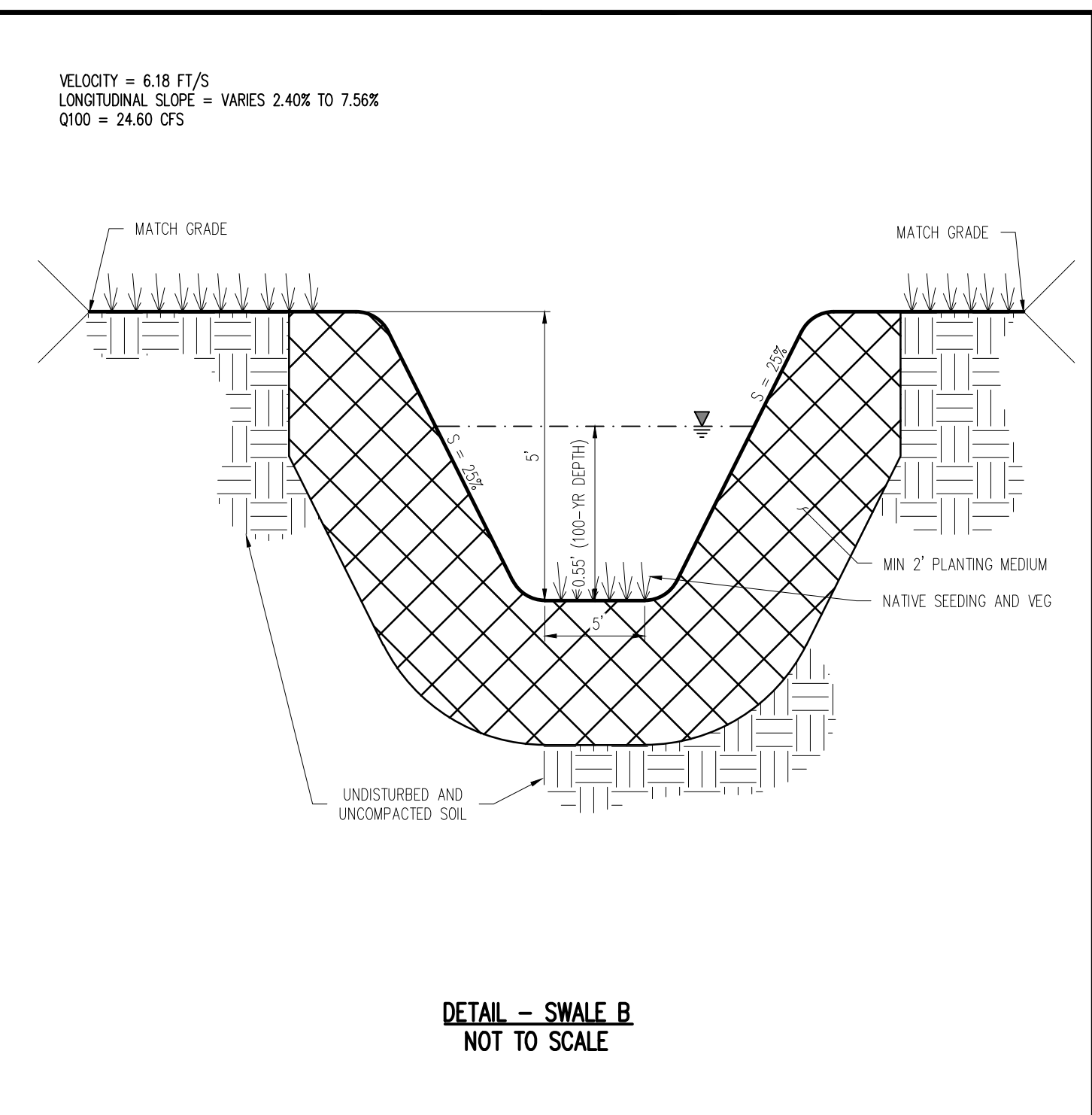
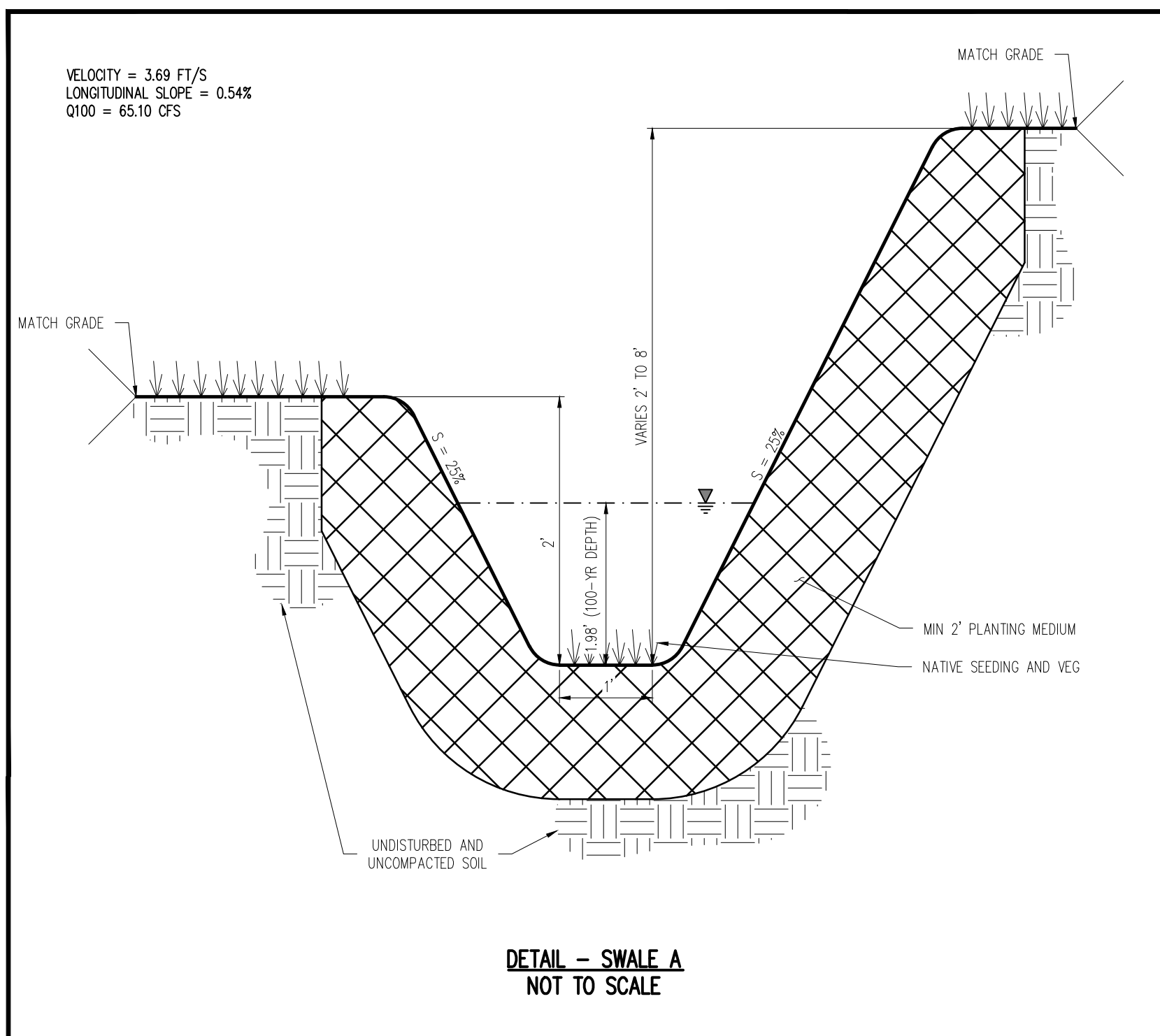
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY

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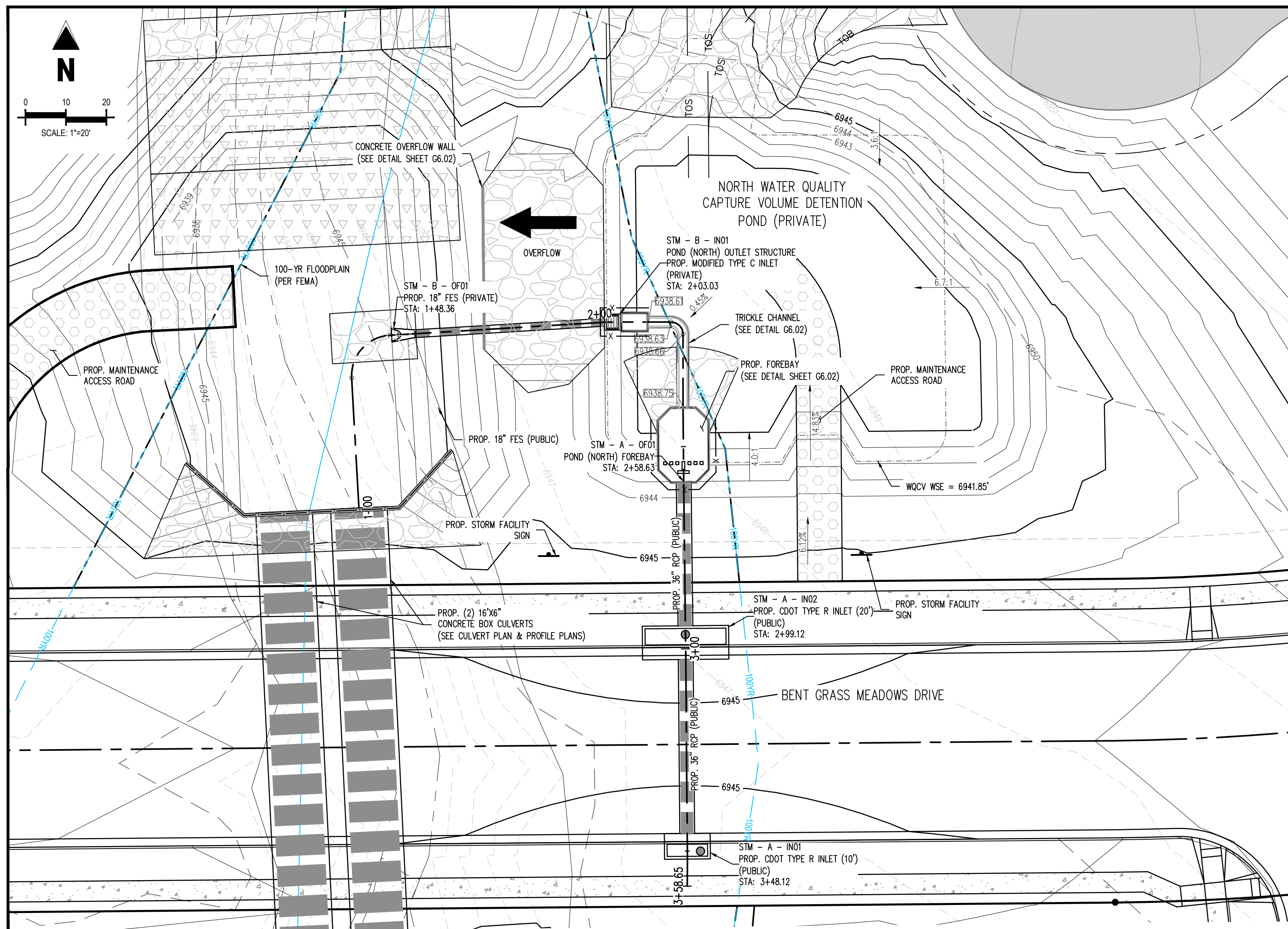
Project No: CLH000014.20
 Drawn By: JDP
 Checked By: RGD
 Date: 4/17/2020

DRAINAGE SWALE DETAILS

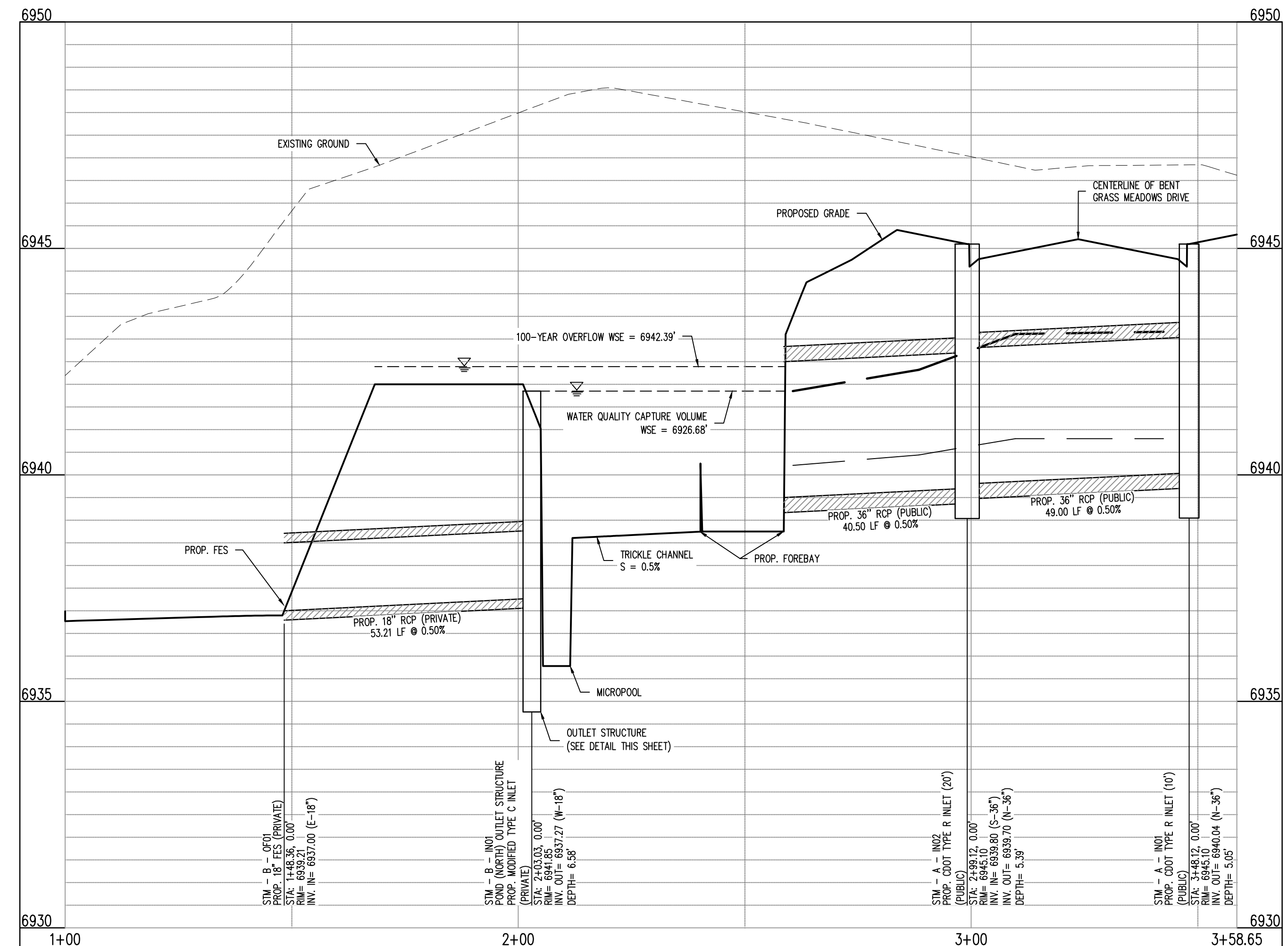
SF1914
 5/13/2020



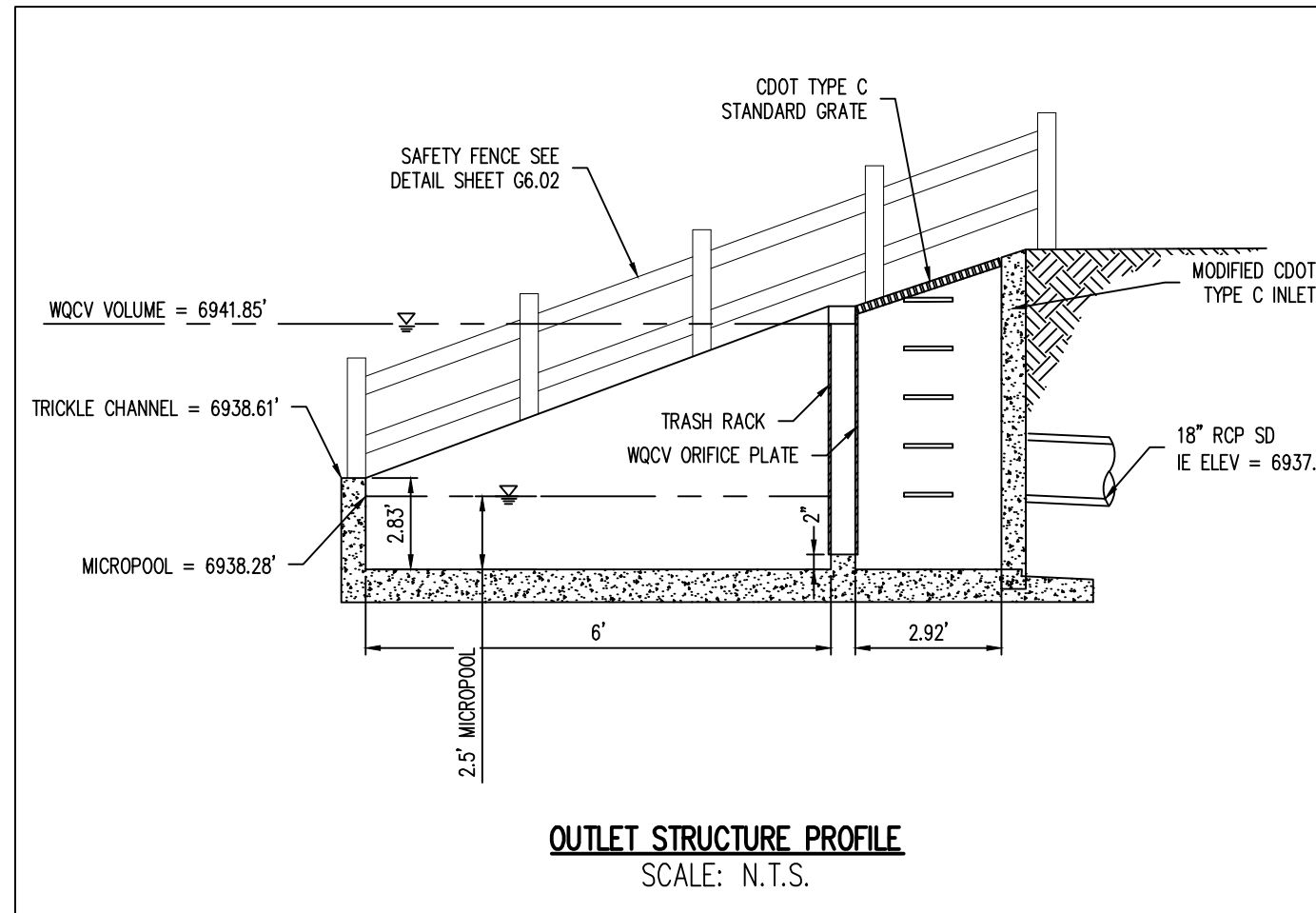
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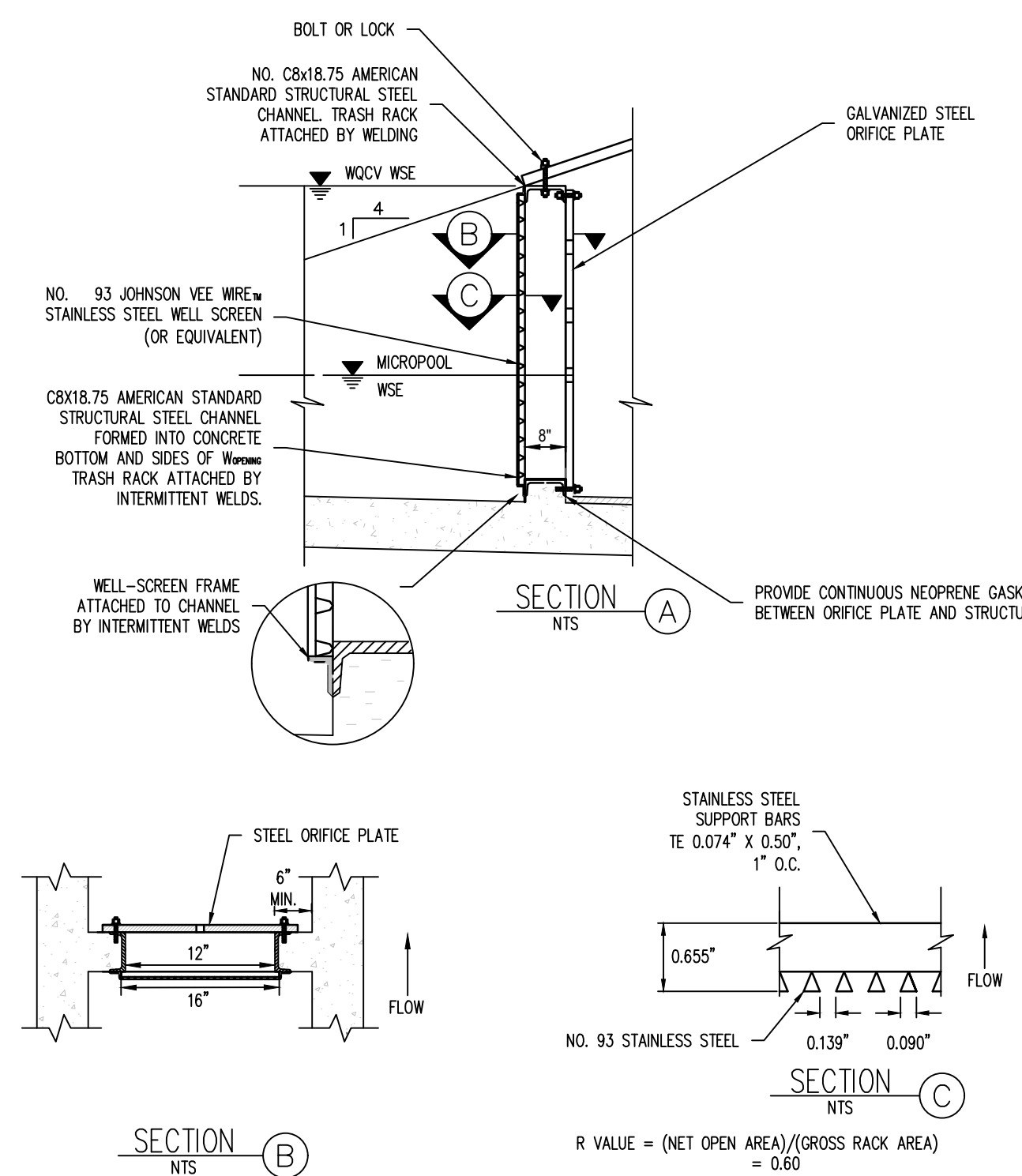
POND (NORTH) PLAN VIEW
SCALE: 1"=20'



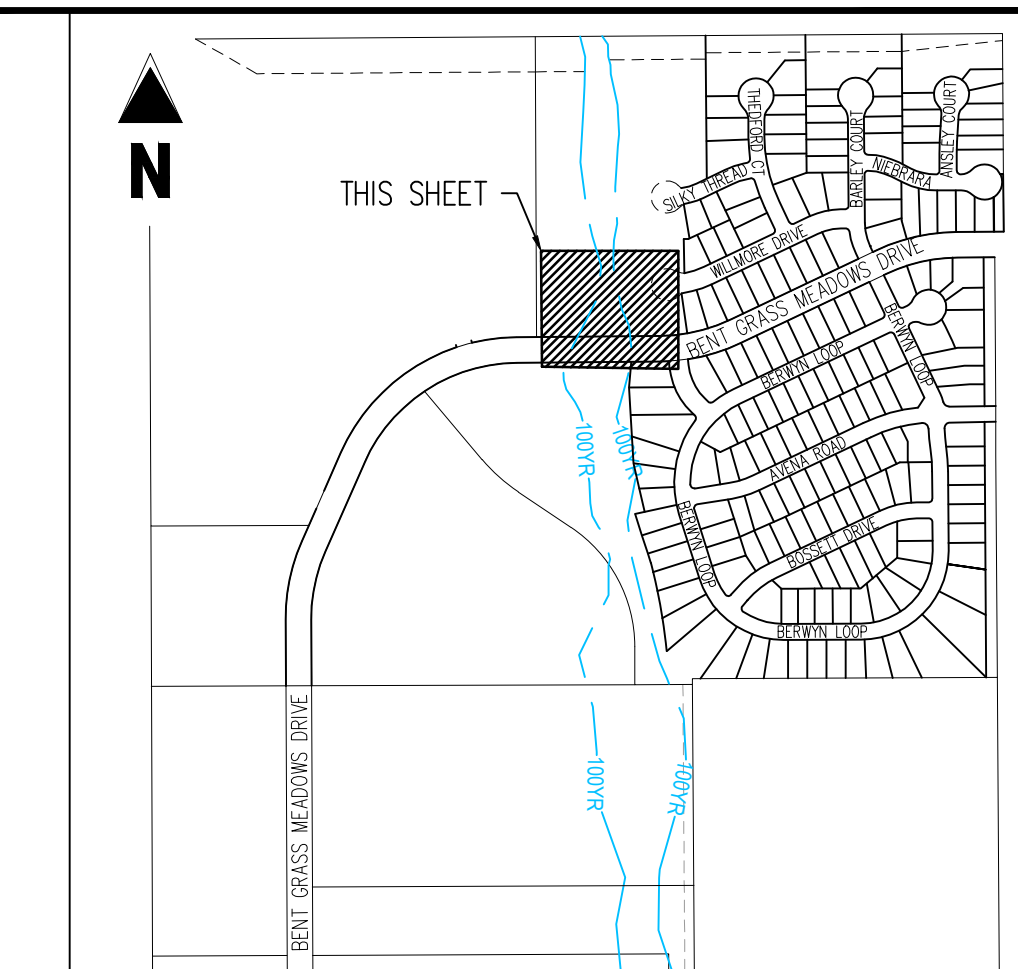
POND (NORTH) PROFILE
SCALE: H: 1"=20' V: 1"=2'



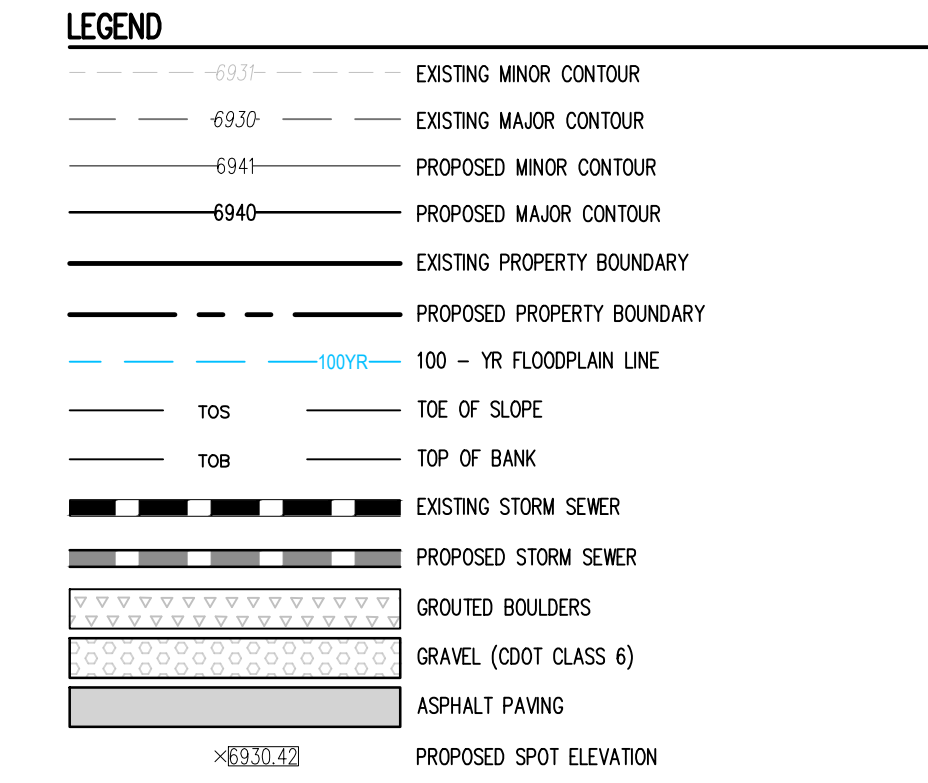
OUTLET STRUCTURE PROFILE
SCALE: N.T.S.



WQCV OPENING AND PLATE MOUNTING DETAIL
SCALE: N.T.S.



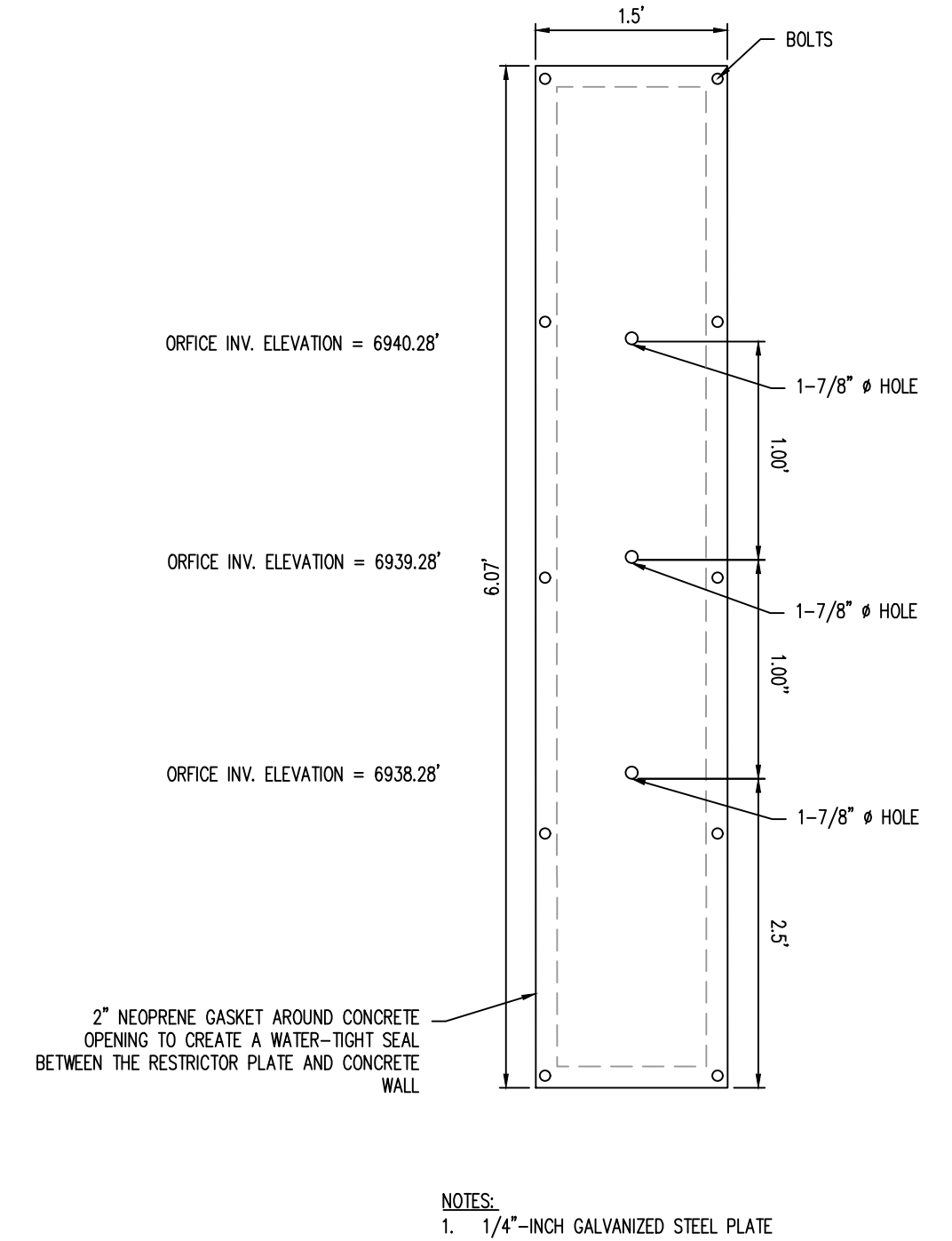
KEY MAP
SCALE: 1"=600'



- NOTES
1. ADD 6900 TO ALL SPOT ELEVATIONS.
 2. ALL STORM PIPE SHALL BE RCP OR HDPE IN ACCORDANCE WITH COUNTY STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED.

WARNING
THIS AREA IS A STORMWATER FACILITY
AND IS SUBJECT TO PERIODIC FLOODING

- DETENTION POND SIGNAGE
- NOTES
- TWO SIGNS WITH THE ABOVE MESSAGE, EACH WITH A MINIMUM AREA OF 3 SQUARE FEET SHALL BE PROVIDED AROUND THE PERIMETER OF THE DETENTION POND, AS SHOWN ON THESE PLANS.
 - SIGNS SHALL BE DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND.



ORIFICE PLATE DETAIL
SCALE: N.T.S.

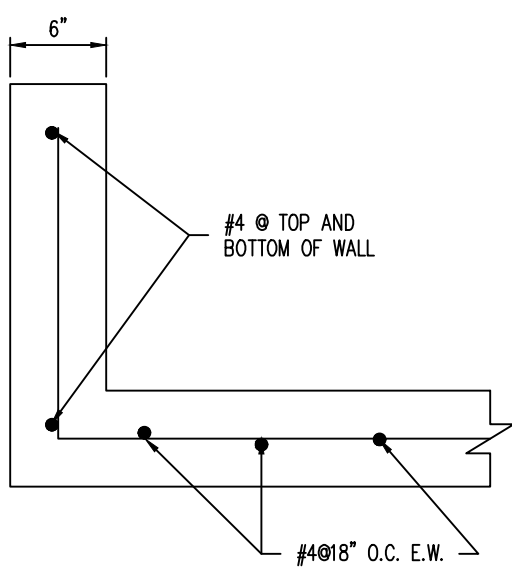
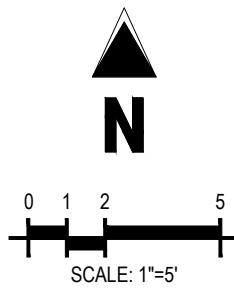
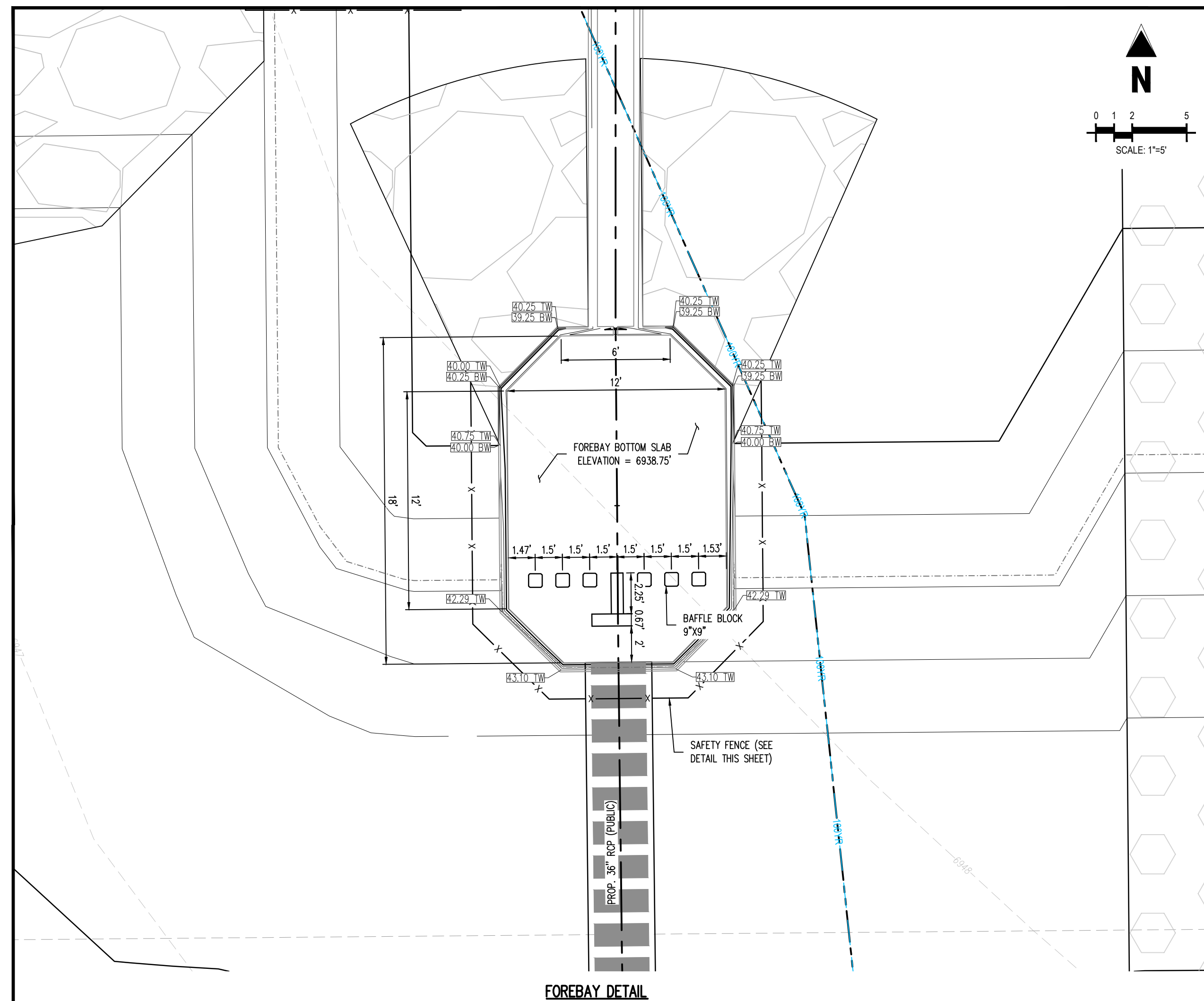


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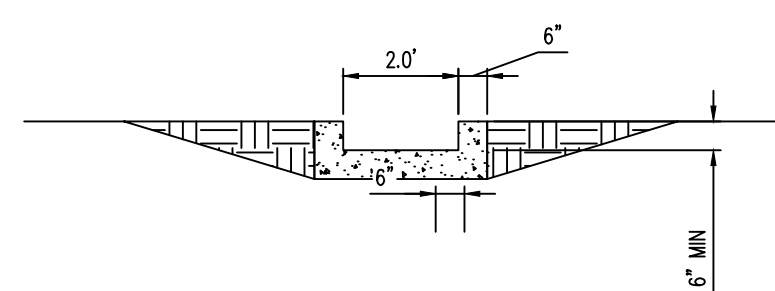
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Project No: CLH000014.20
Drawn By: JDP
Checked By: RGD
Date: 4/17/2020

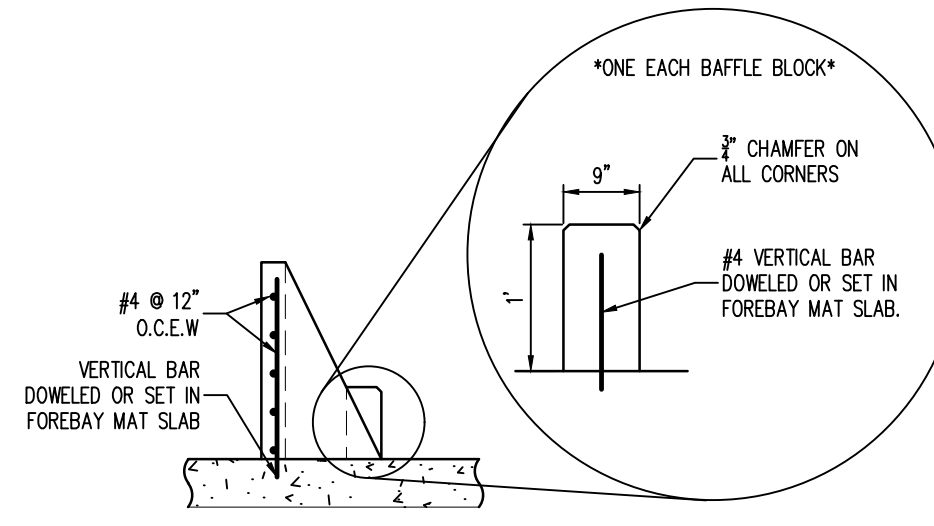
WATER QUALITY
DETENTION POND (NORTH)



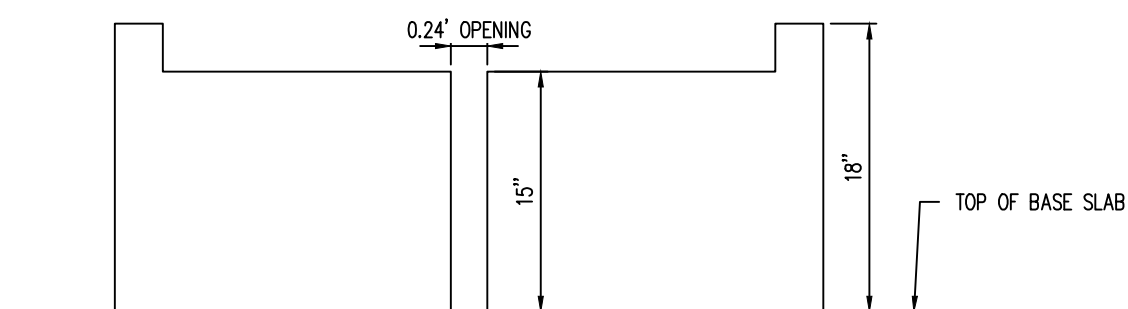
FOREBAY REINFORCING DETAIL
SCALE: N.T.S.



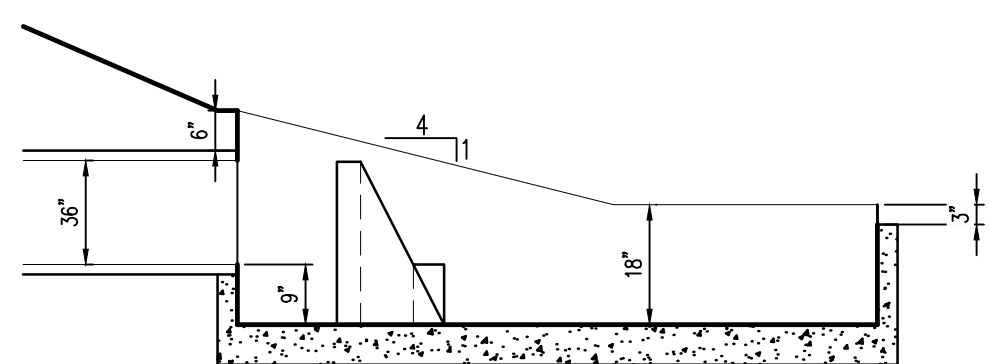
CONCRETE TRICKLE CHANNEL
SCALE: N.T.S.



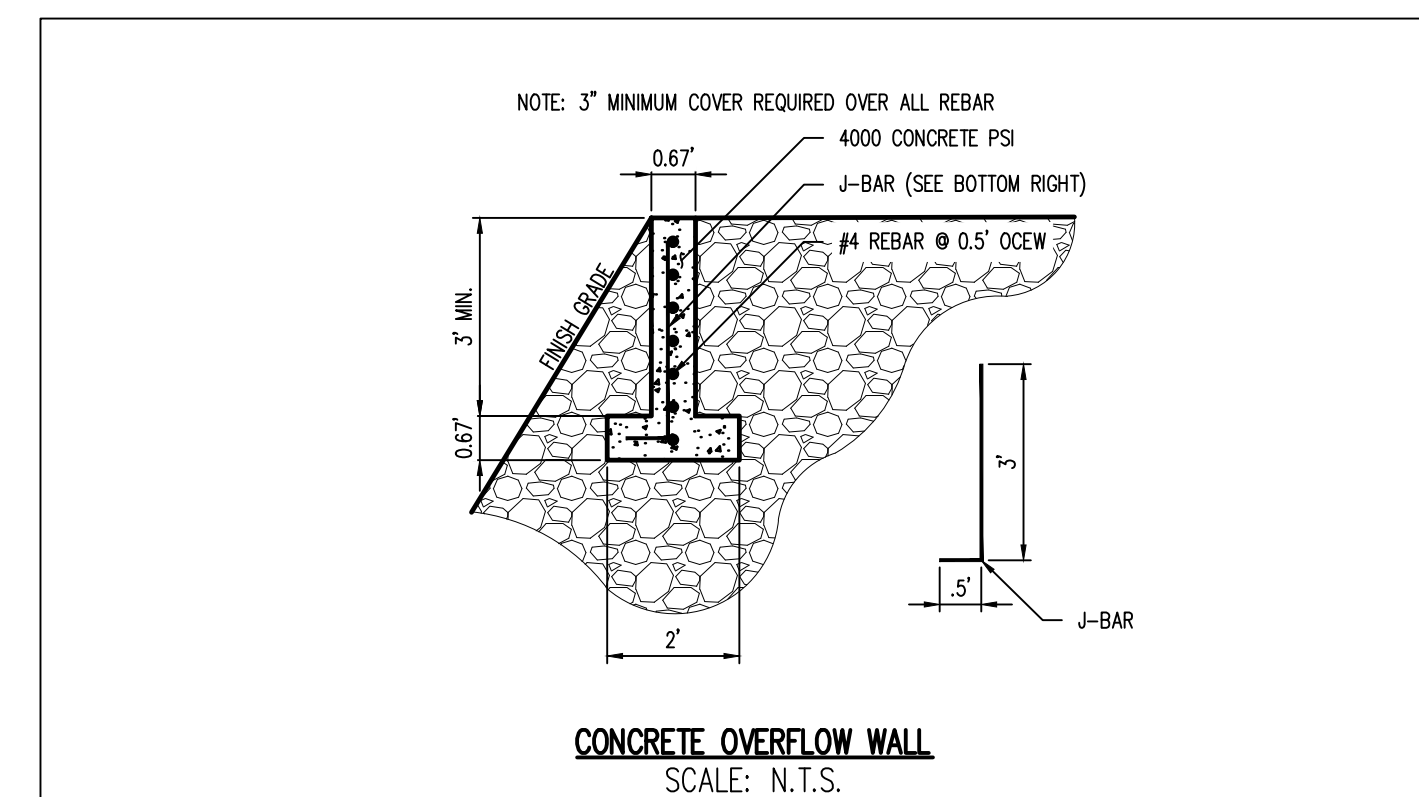
MODIFIED IMPACT STILLING BASIN - REINFORCING DETAIL
SCALE: N.T.S.



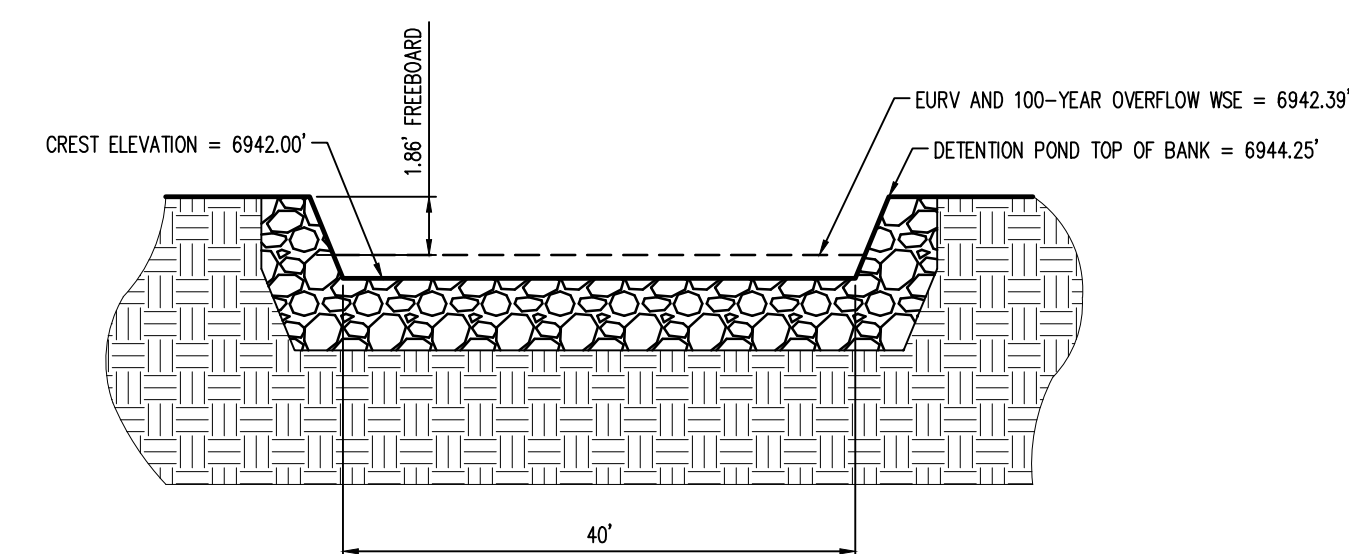
FOREBAY SLOT DETAIL
SCALE: N.T.S.



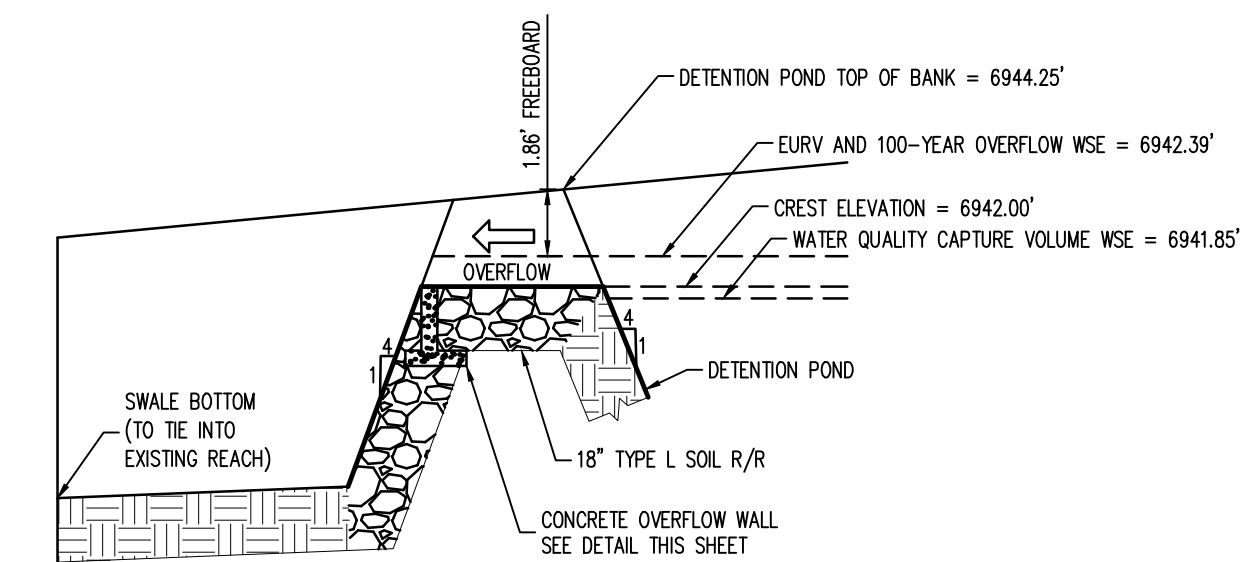
FOREBAY PROFILE
SCALE: N.T.S.



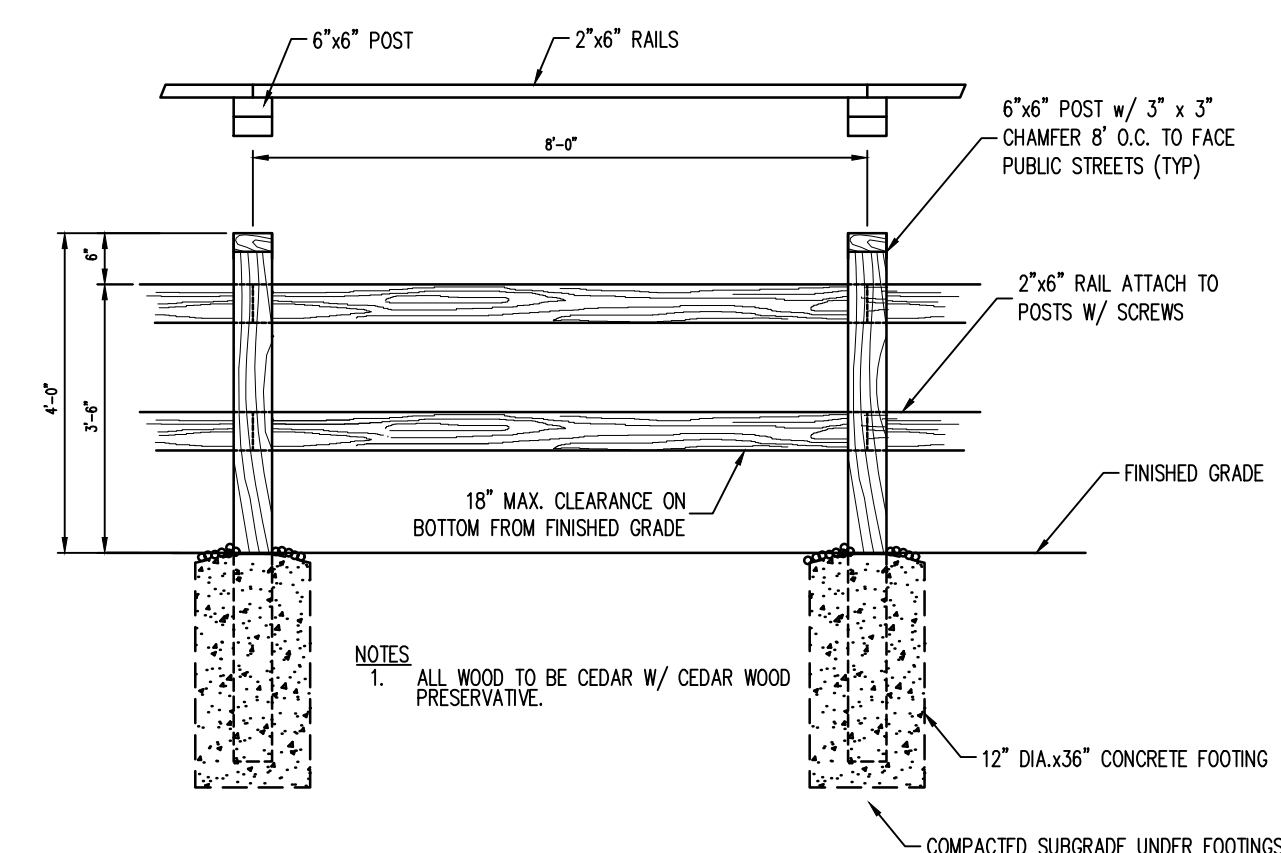
CONCRETE OVERFLOW WALL
SCALE: N.T.S.



EURV AND 100-YEAR OVERFLOW - CROSS SECTION
SCALE: N.T.S.



EURV AND 100-YEAR OVERFLOW
SCALE: N.T.S.



SAFETY FENCE
SCALE: N.T.S.



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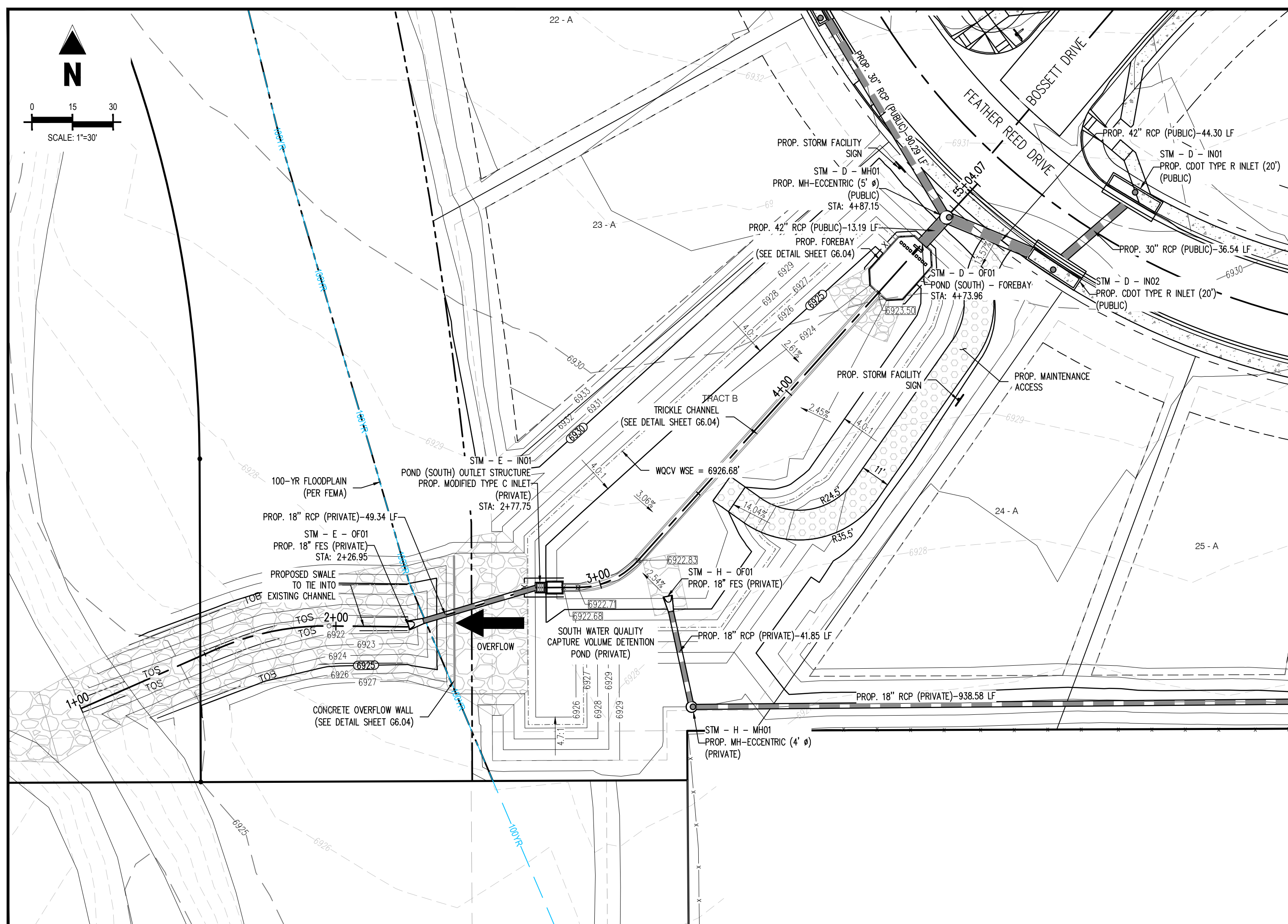
**CHALLENGER
HOMES**

FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC.
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

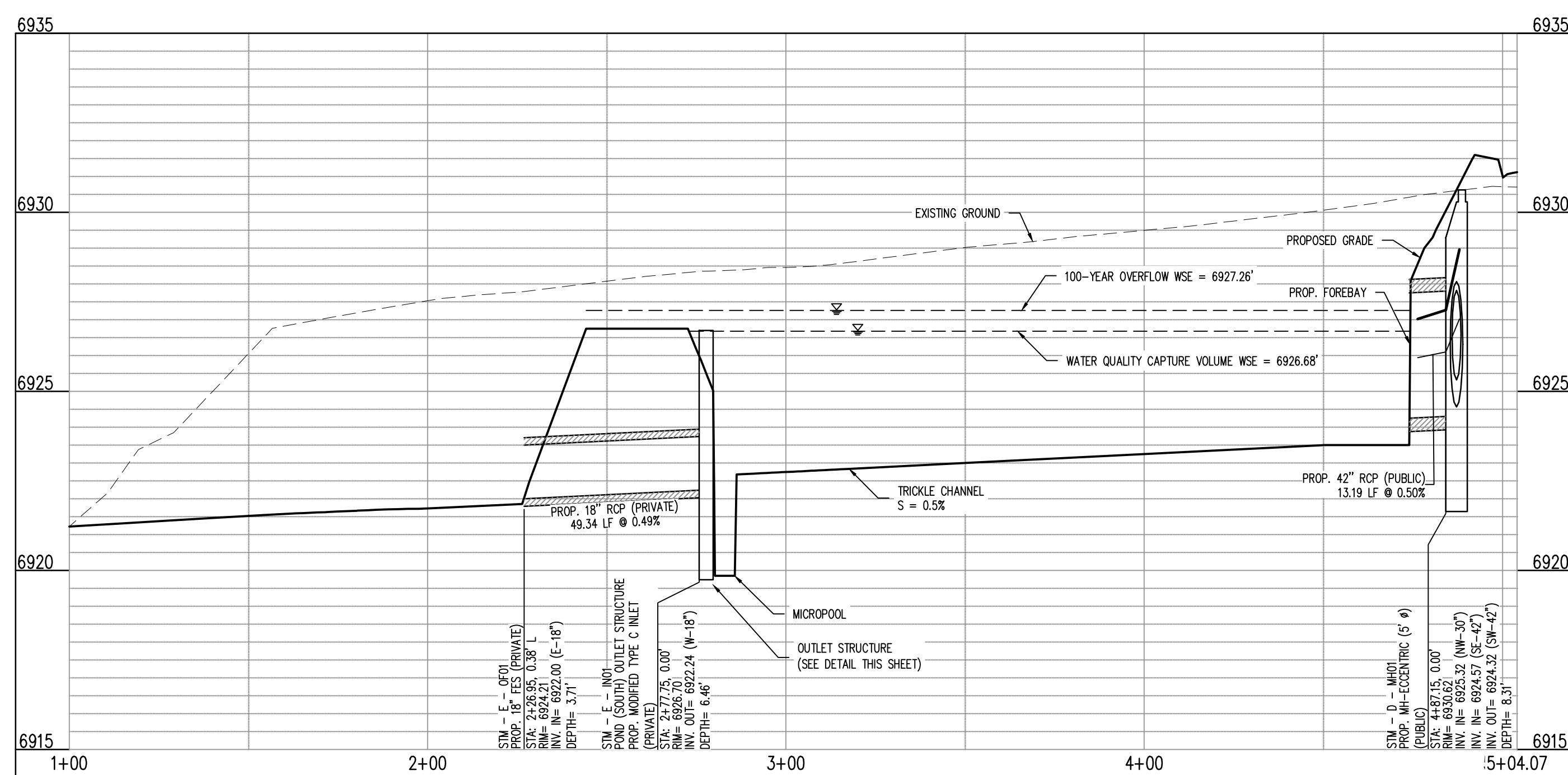
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Project No: CLH000014.20
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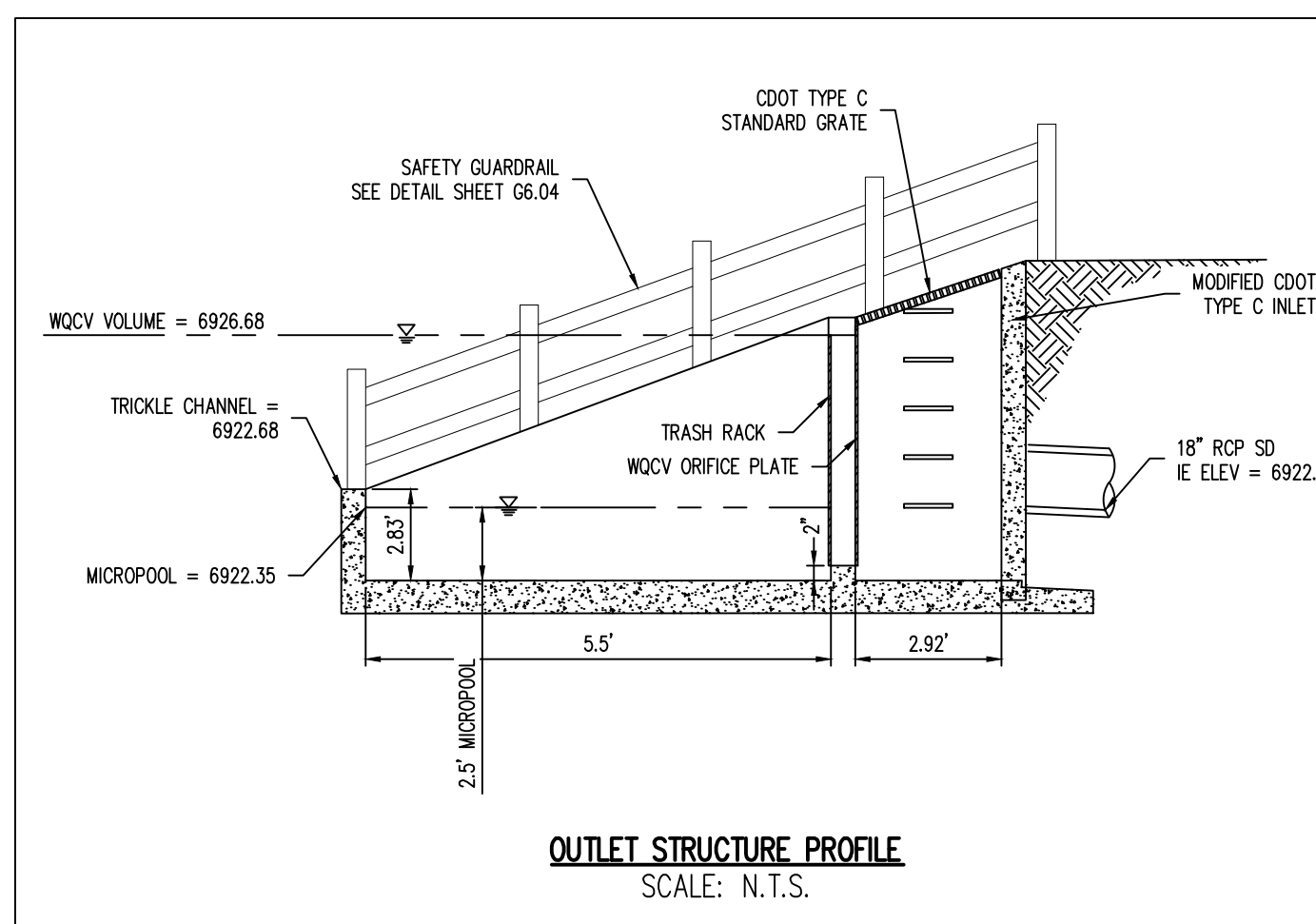
POND DETAILS (NORTH)



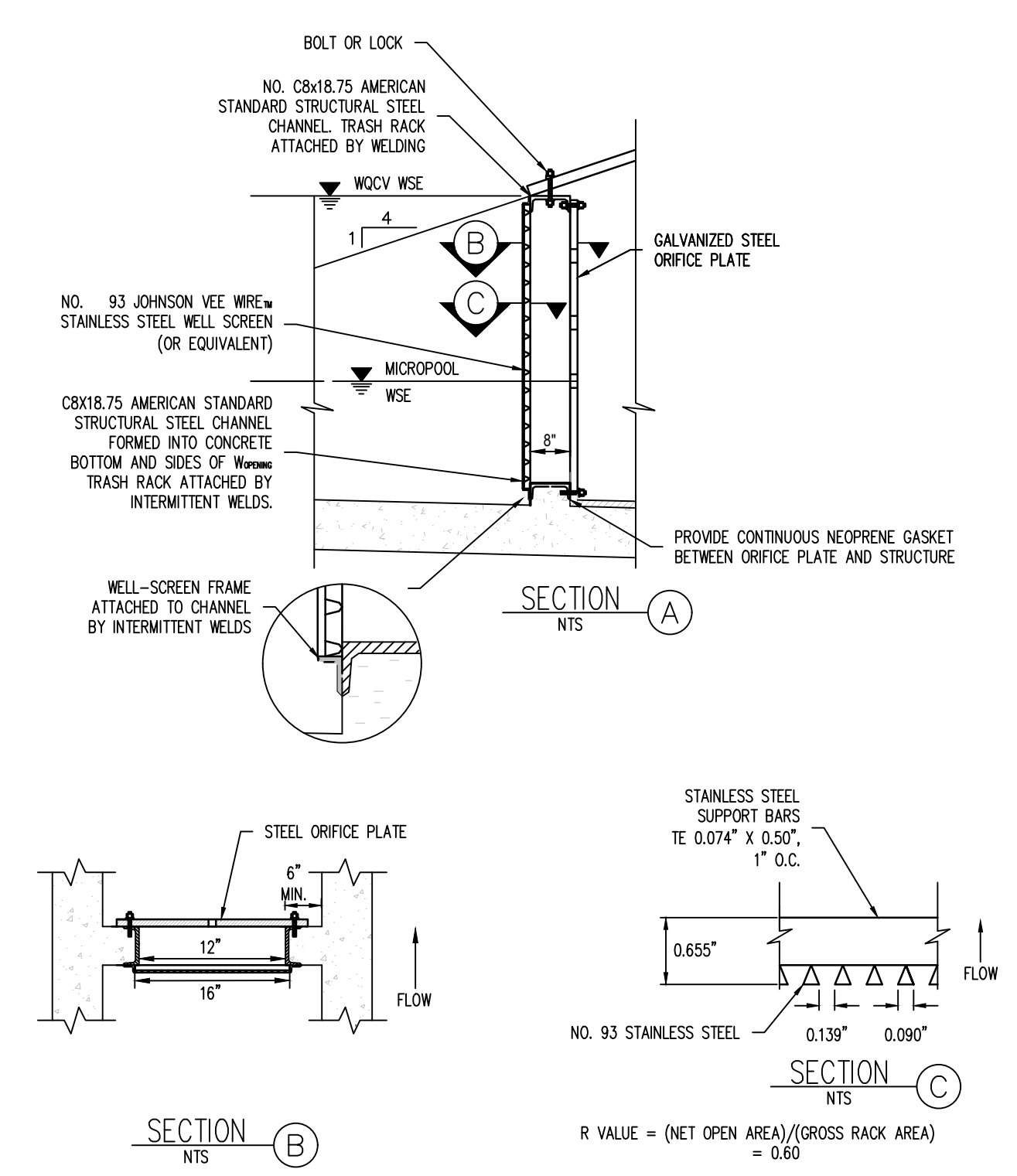
POND (SOUTH) PLAN VIEW



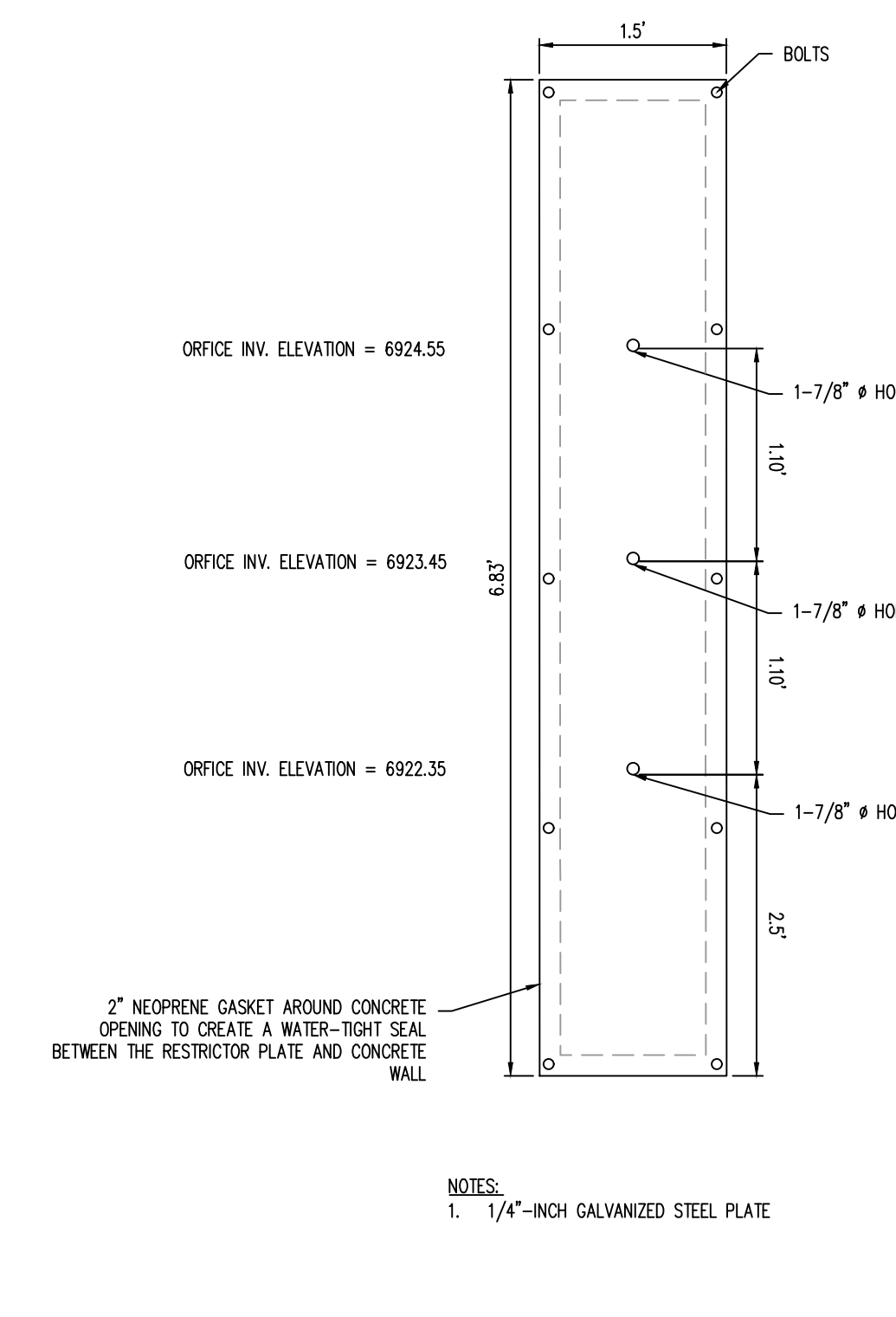
POND (SOUTH) PROFILE
SCALE: H: 1"=30' V: 1"=3'



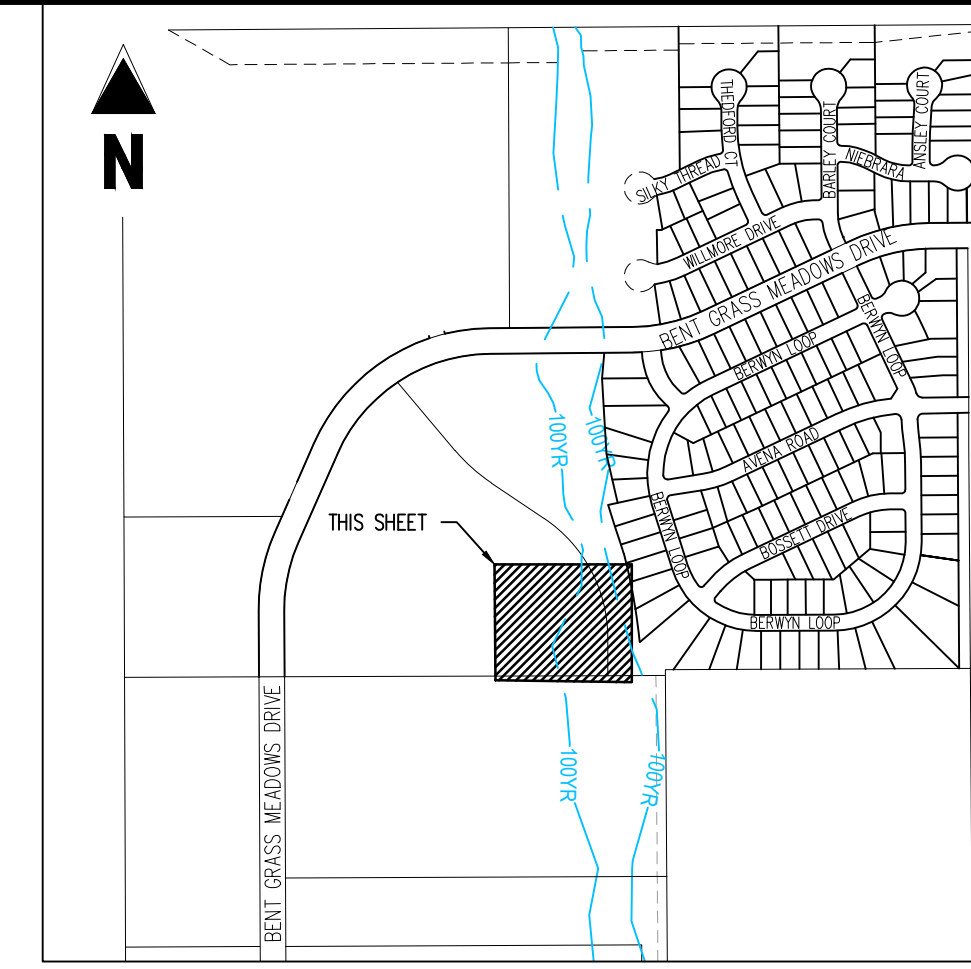
OUTLET STRUCTURE PROFILE
SCALE: N.T.S.



SECTION B
SCALE: N.T.S.



ORIFICE PLATE DETAIL
SCALE: N.T.S.



KEY MAP
SCALE: 1"=600'

- LEGEND**
- 6937 - EXISTING MINOR CONTOUR
 - 6930 - EXISTING MAJOR CONTOUR
 - 6941 - PROPOSED MINOR CONTOUR
 - 6940 - PROPOSED MAJOR CONTOUR
 - - - - - EXISTING PROPERTY BOUNDARY
 - - - - - PROPOSED PROPERTY BOUNDARY
 - 100-YR FLOODPLAIN LINE
 - TOS - TOE OF SLOPE
 - TOB - TOP OF BANK
 - EXISTING STORM SEWER
 - PROPOSED STORM SEWER
 - GROUDED BOULDERS
 - GRAVEL (CDOT CLASS 6)
 - >6930.75 - PROPOSED SPOT ELEVATION

- NOTES**
- ADD 6900 TO ALL SPOT ELEVATIONS.
 - ALL STORM PIPE SHALL BE RCP OR HDPE IN ACCORDANCE WITH COUNTY STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED.

WARNING
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- DETENTION POND SIGNAGE**
- NOTES:**
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 - SIGNS SHALL BE DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND.

Galloway
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.900.7220
gallowayus.com

PROFESSIONAL ENGINEER
04/20/2020

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CHALLENGER HOMES

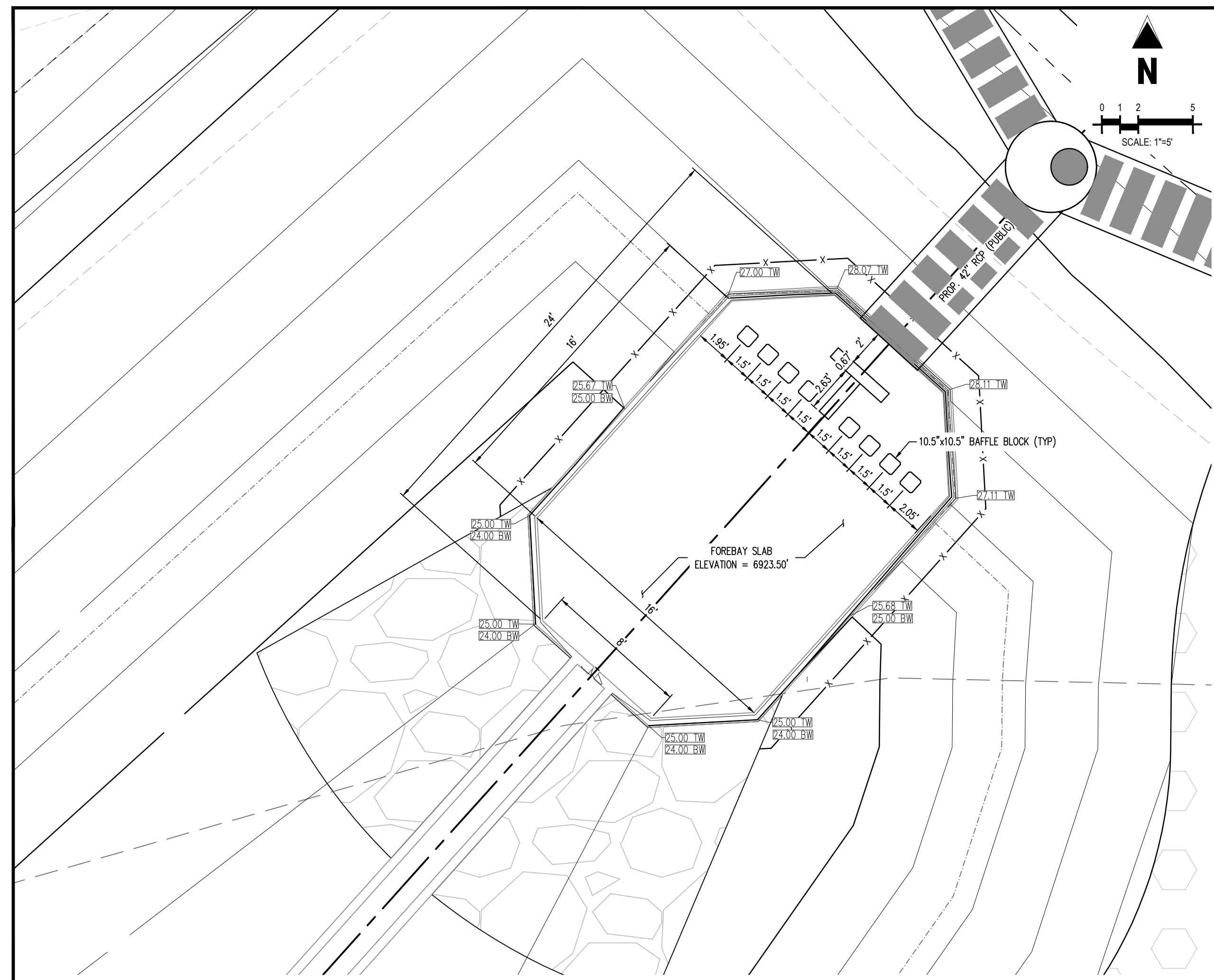
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BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

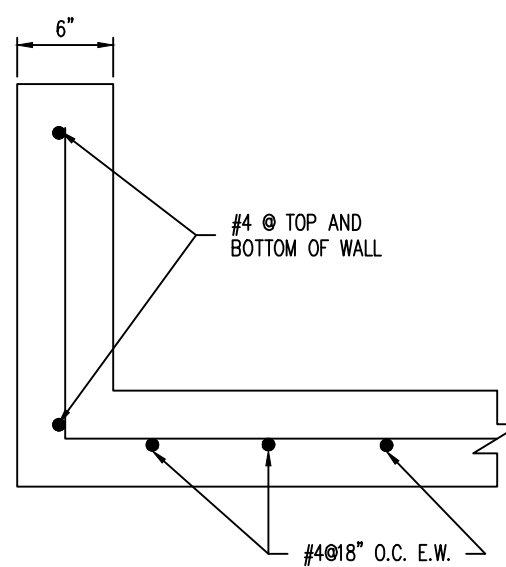
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Project No: CUH00014.20
Drawn By: JPD
Checked By: RGD
Date: 4/17/2020

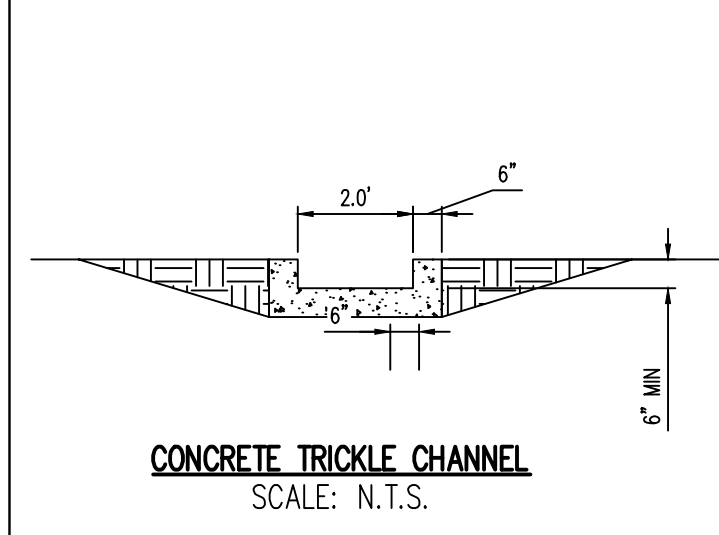
**WATER QUALITY
DETENTION POND (SOUTH)**
SF1914
5/13/2020



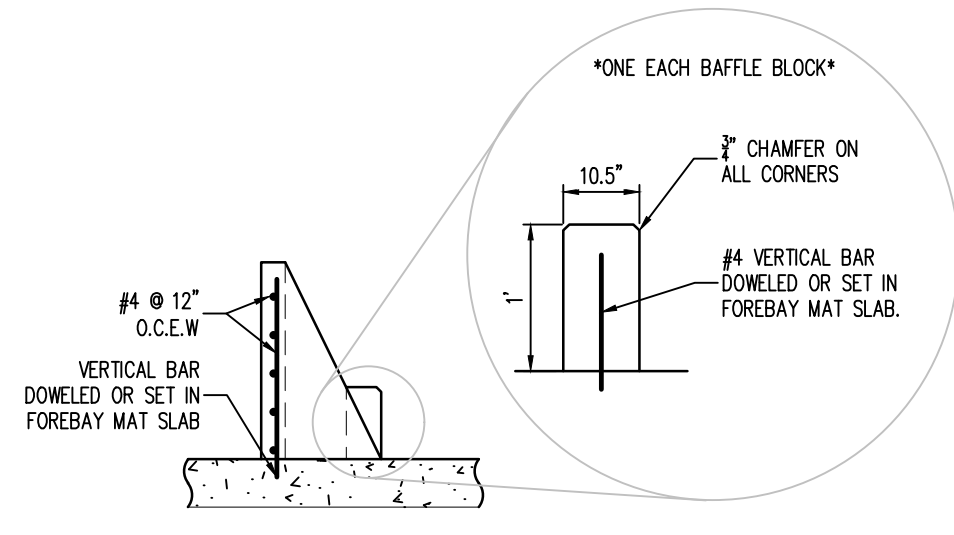
FOREBAY DETAIL



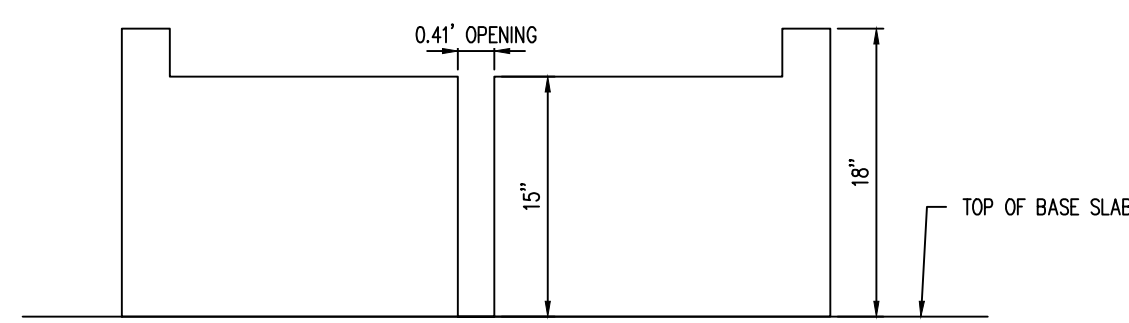
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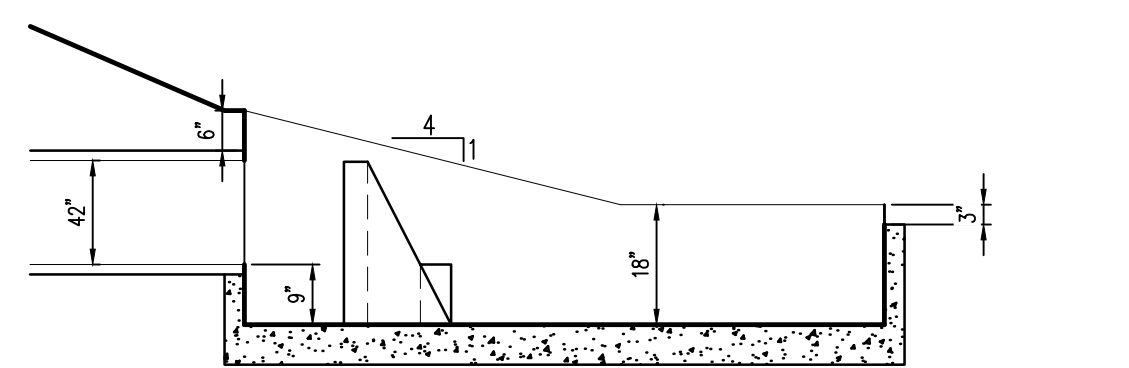
CONCRETE TRICKLE CHANNEL
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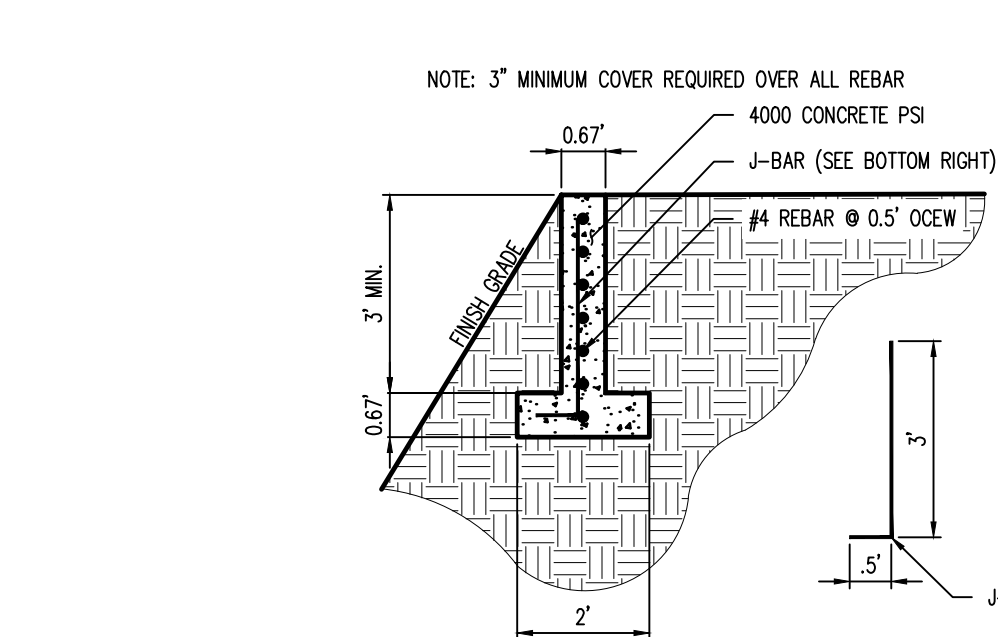
MODIFIED IMPACT STILLING BASIN - REINFORCING DETAIL
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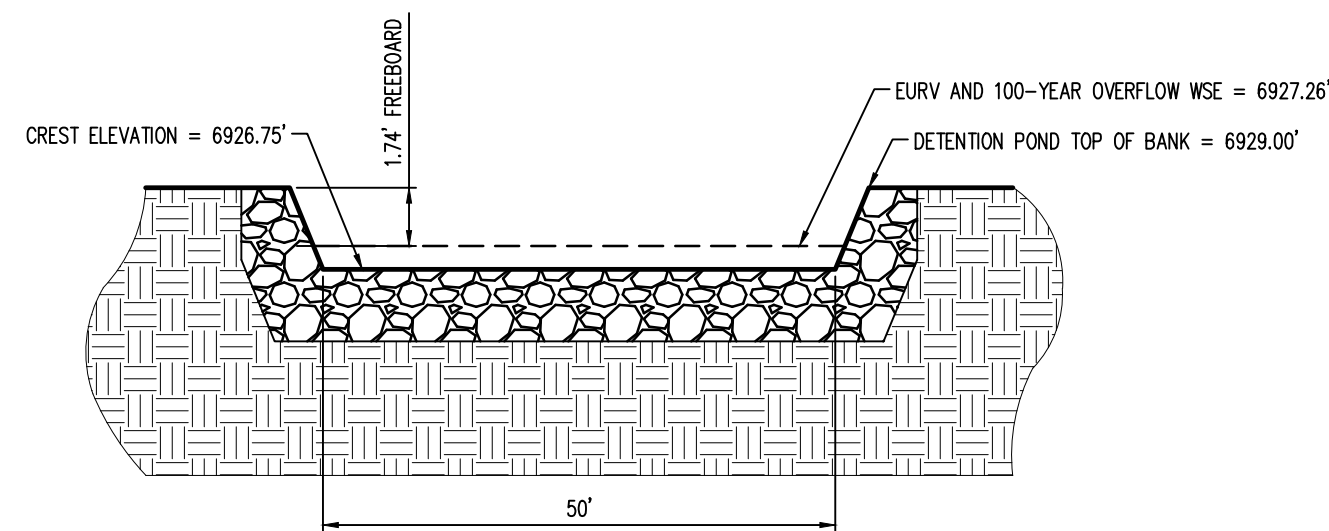
FOREBAY SLOT DETAIL
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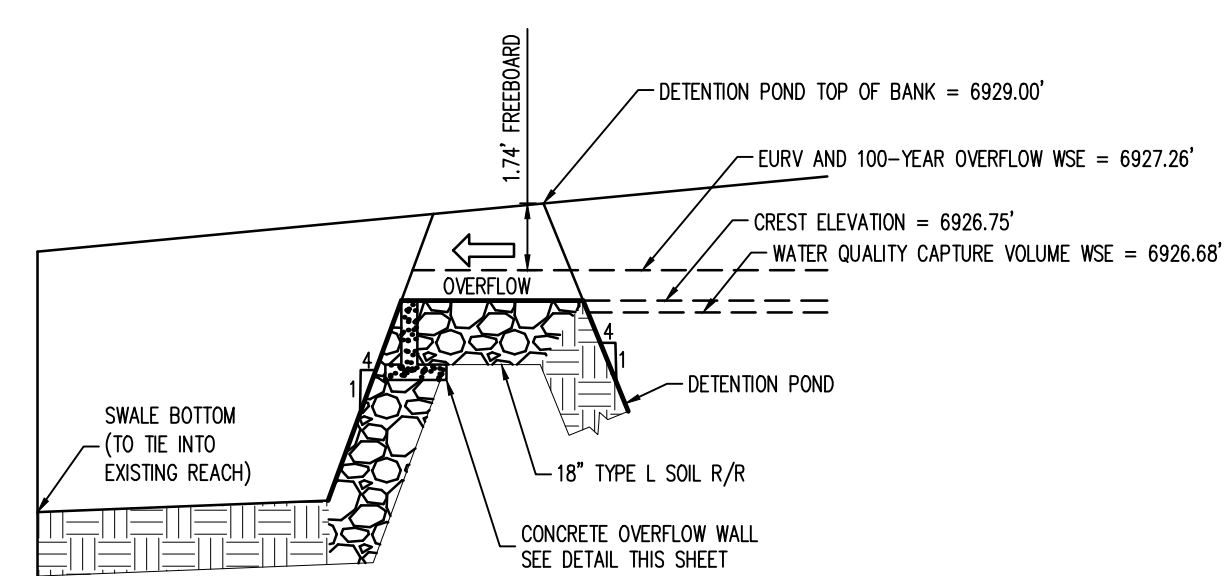
FOREBAY PROFILE
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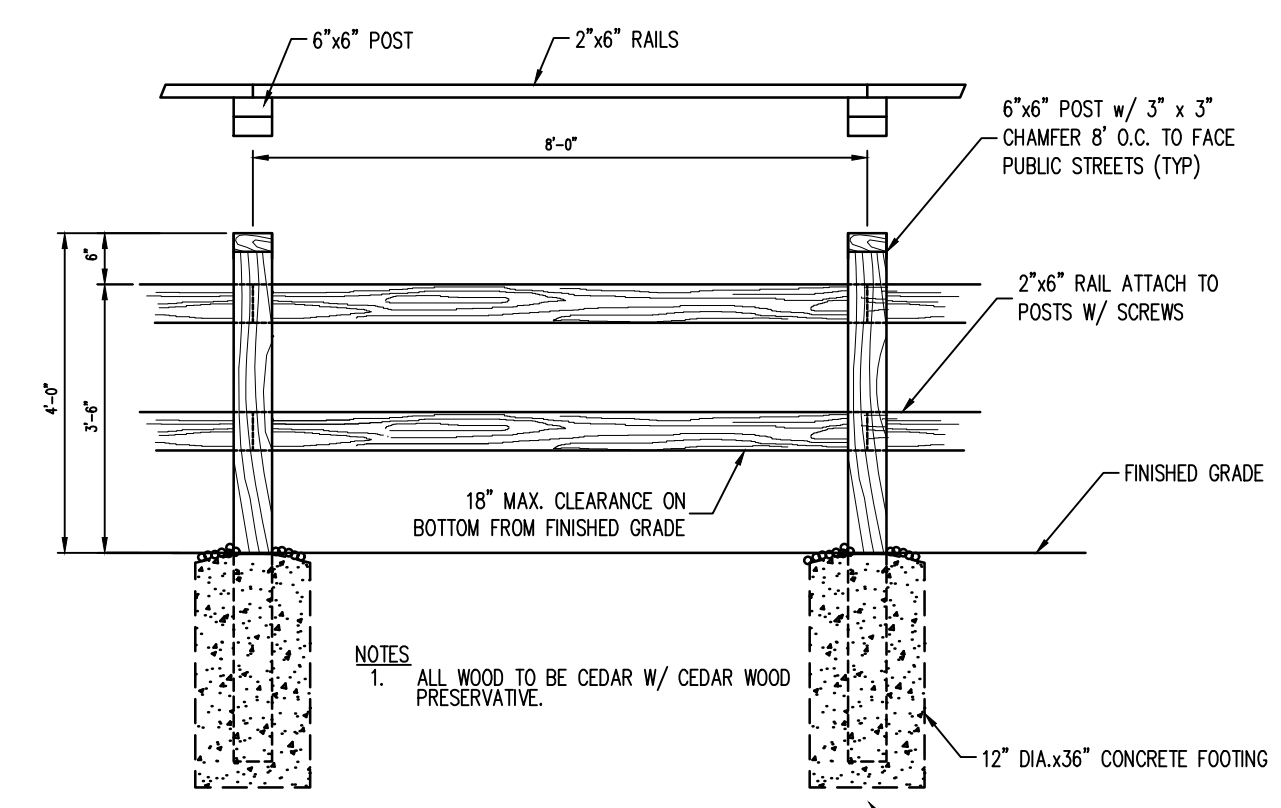
CONCRETE OVERFLOW WALL
SCALE: N.T.S.



EURV AND 100-YEAR OVERFLOW - CROSS SECTION
SCALE: N.T.S.



EURV AND 100-YEAR OVERFLOW
SCALE: N.T.S.



SAFETY GUARDRAIL
SCALE: N.T.S.



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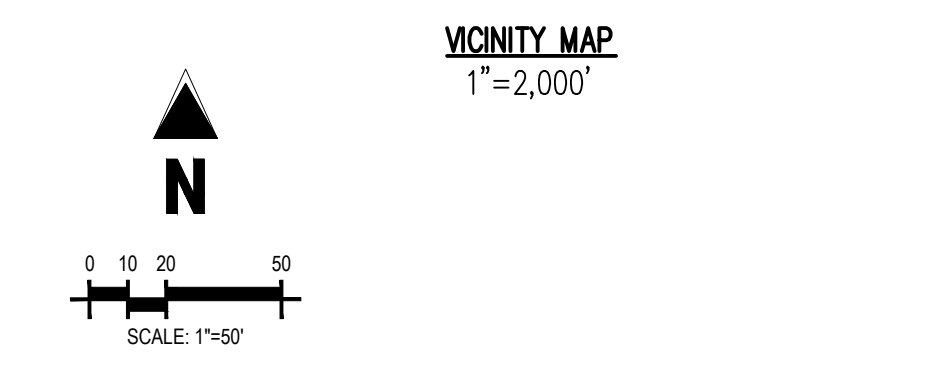
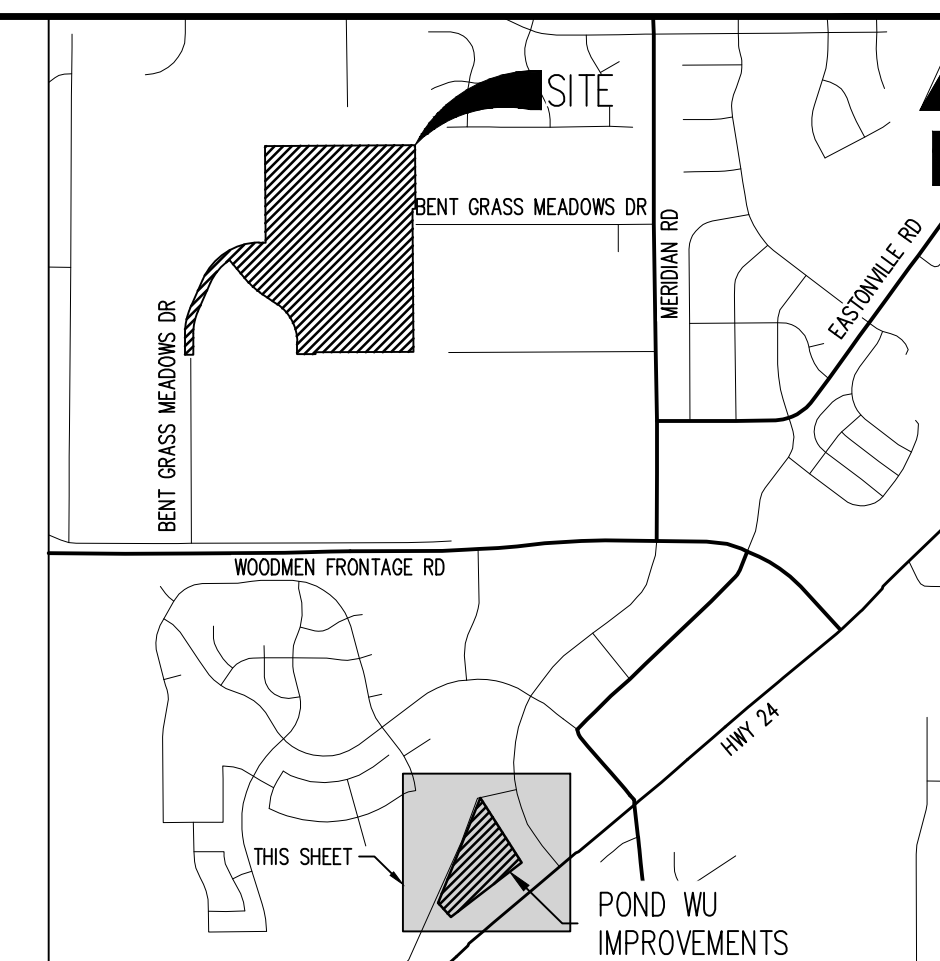
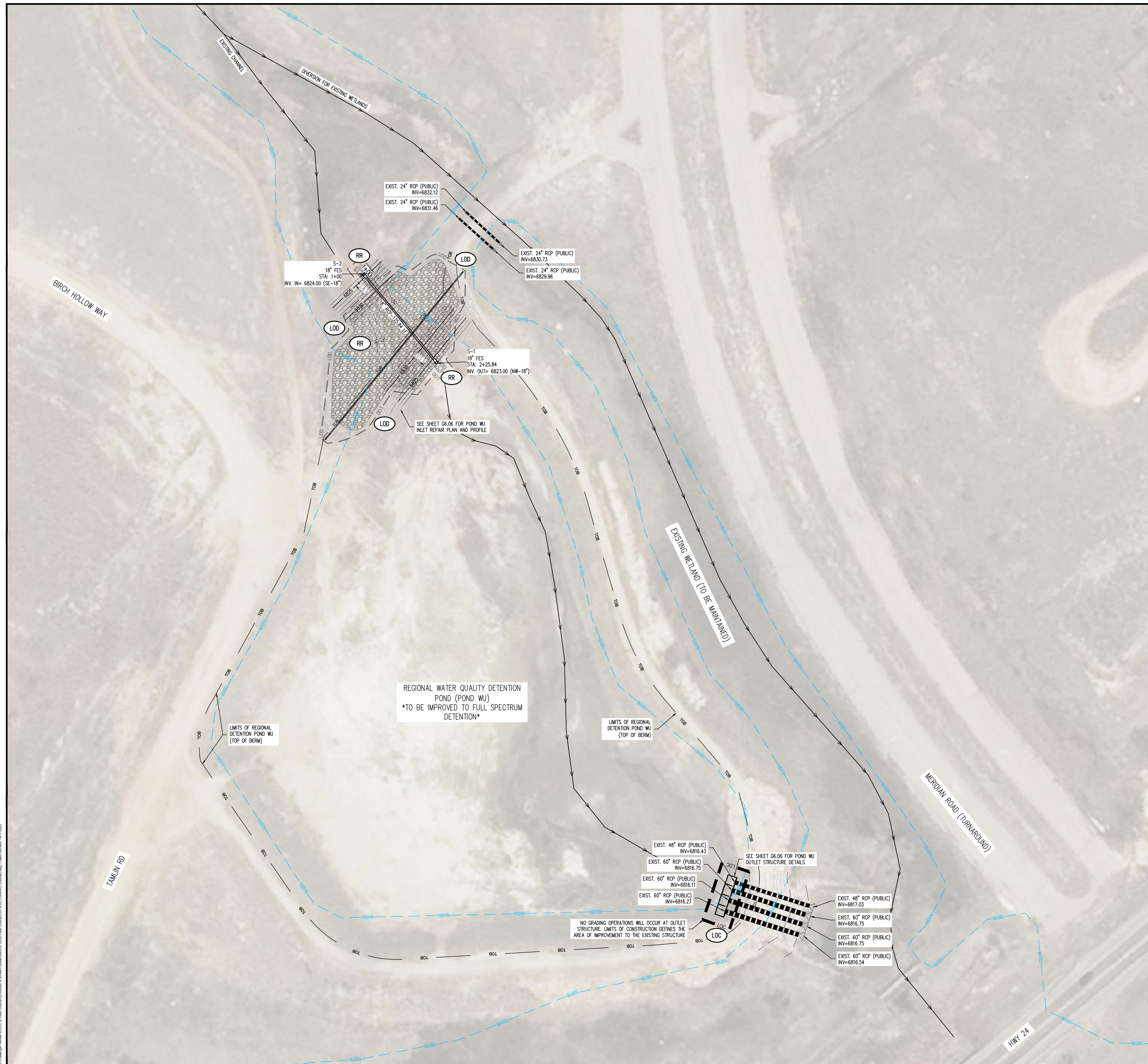
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

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Checked By: RGD
Date: 4/17/2020

POND DETAILS (SOUTH)

SF1914
5/13/2020



LEGEND

- 69.30 --- EXISTING MINOR CONTOUR
- 69.30 --- EXISTING MAJOR CONTOUR
- 69.40 --- PROPOSED MINOR CONTOUR
- 69.40 --- PROPOSED MAJOR CONTOUR
- --- EXISTING PROPERTY BOUNDARY
- --- PROPOSED PROPERTY BOUNDARY
- 100YR --- 100 - YR FLOODPLAIN LINE
- --- EXISTING STORM SEWER
- --- PROPOSED STORM SEWER
- TOB --- TOP OF BANK
- --- APPROXIMATE FLOW PATH
- LOD --- LIMITS OF DISTURBANCE
- LOC --- LIMITS OF CONSTRUCTION
- RR --- RIP RAP / OUTFALL PADS
- --- EXISTING FLOW
- --- PROPOSED FLOW
- 69.30.92 --- PROPOSED SPOT ELEVATION

NOTES

1. STRAW EDB SHALL BE PLACED ON ALL DISTURBED POND SIDE SLOPES
2. STRAW EDB SHALL BE PLACED ON ALL DISTURBED 4:1 SLOPES AND STEEPER
3. UNLESS OTHERWISE NOTED, ALL RIPRAP SHOWN IS TO BE TYPE L-10\"/>

LEGAL DESCRIPTION
 BENT GRASS RESIDENTIAL FILING NO. 2, LOCATED IN THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 15 1/4\"/>

BASIS OF BEARINGS
 ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. THE BEARING OF THE LINE BETWEEN THE SOUTHWEST CORNER OF SECTION 1, T13S, R65W AND THE WEST QUARTER CORNER SECTION 1, T13S, R65W IS NORTH 15 1/4\"/>

BENCHMARK
 THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYOR'S CAP ON A NO. 4 REBAR IS# 24954 ELEVATION = 6947.67

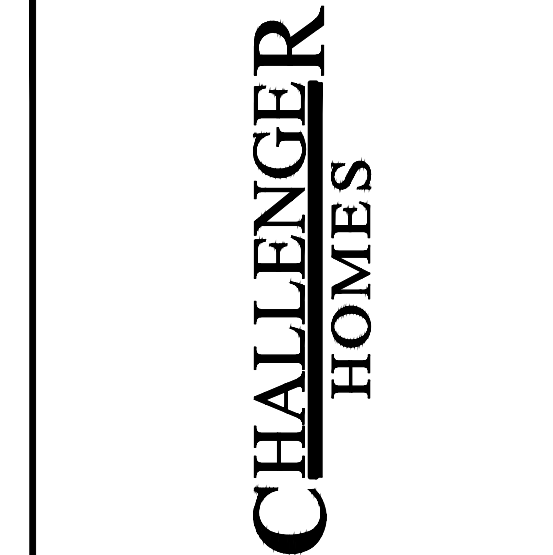
CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

Galloway
 1155 Kelly Johnson Blvd., Suite 305
 Colorado Springs, CO 80920
 719.900.7220
gallowayus.com

04/20/2020

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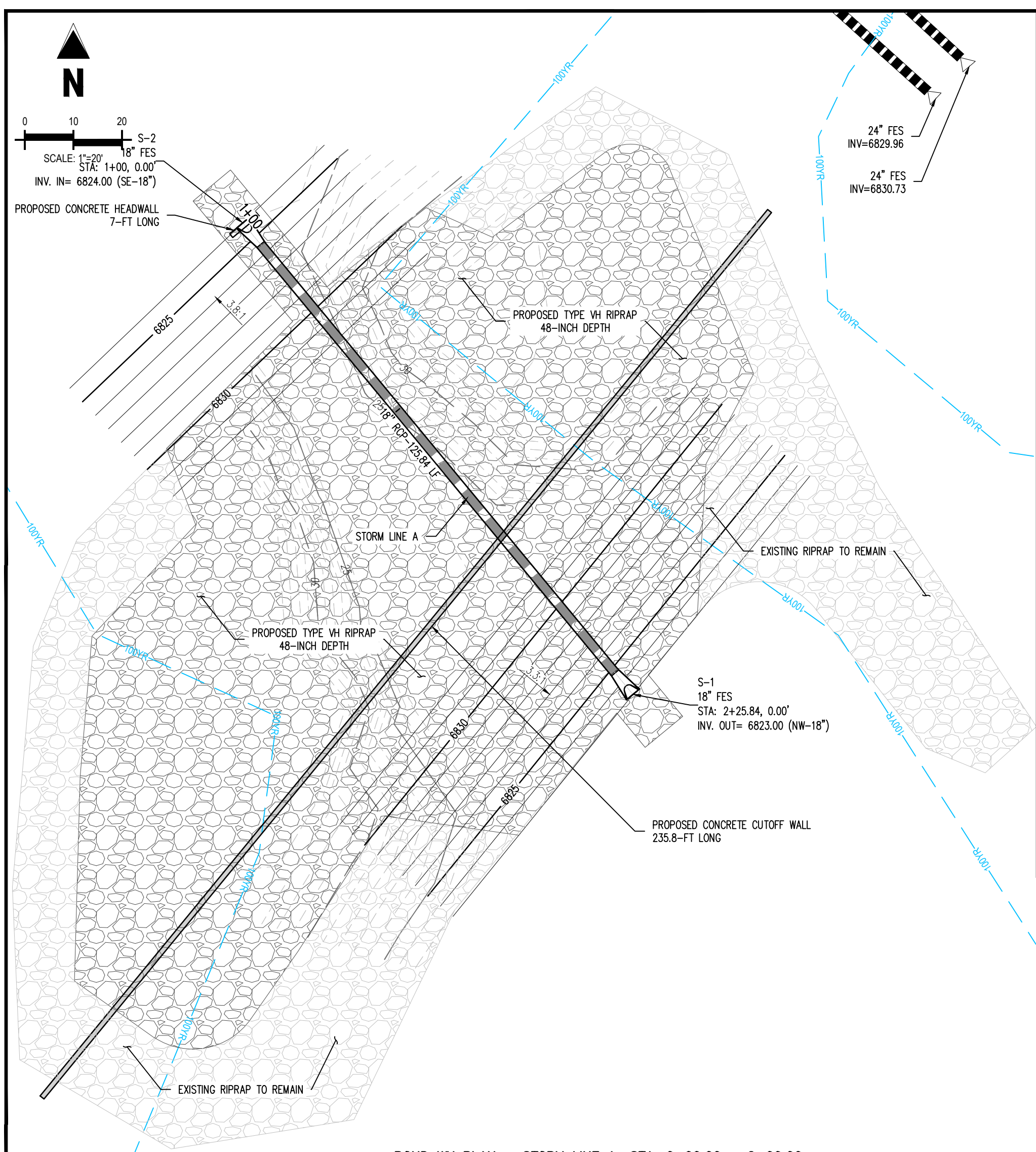


FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.
 BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY

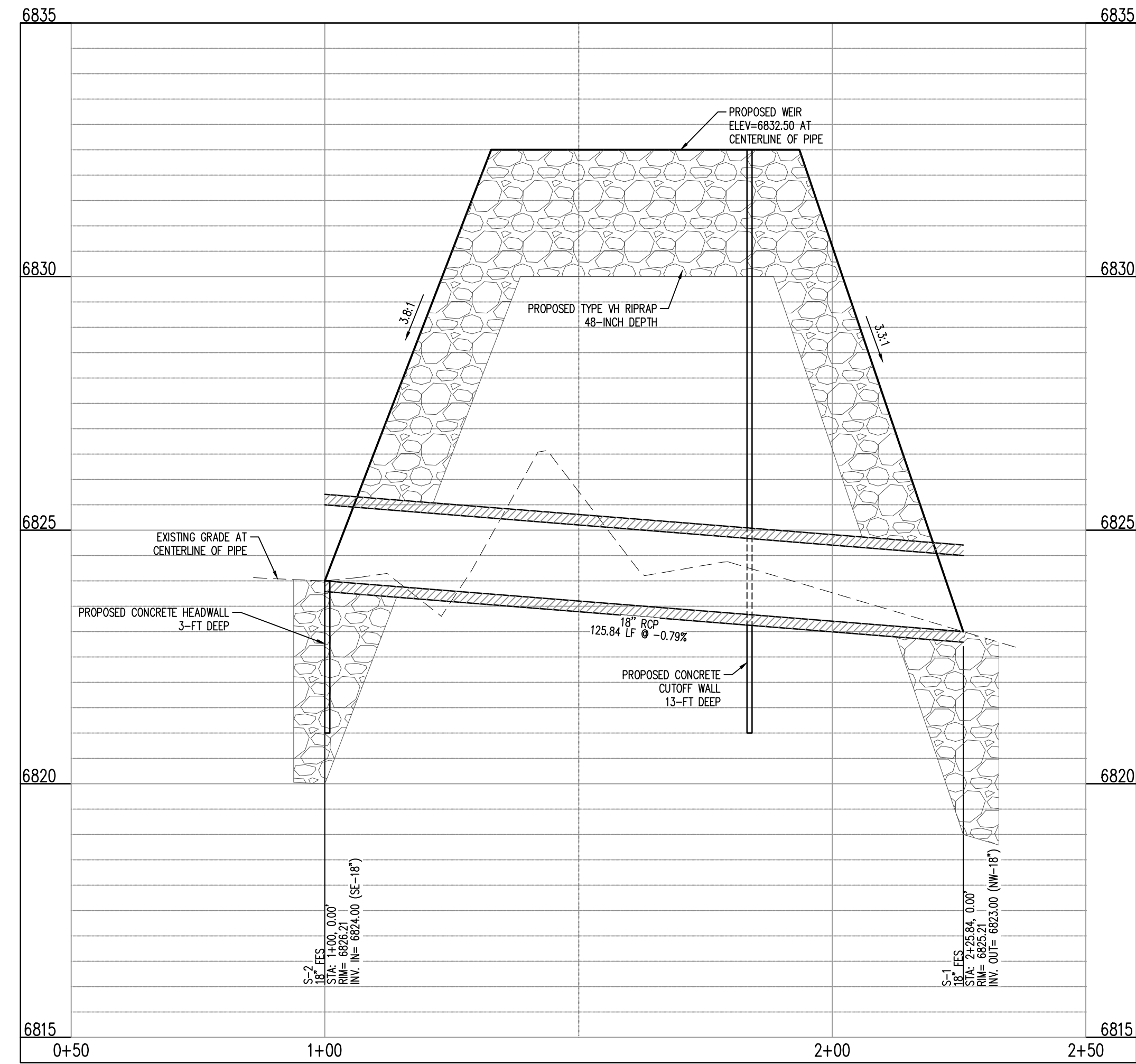
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| Checked By: | RGD |
| Date: | 4/17/2020 |

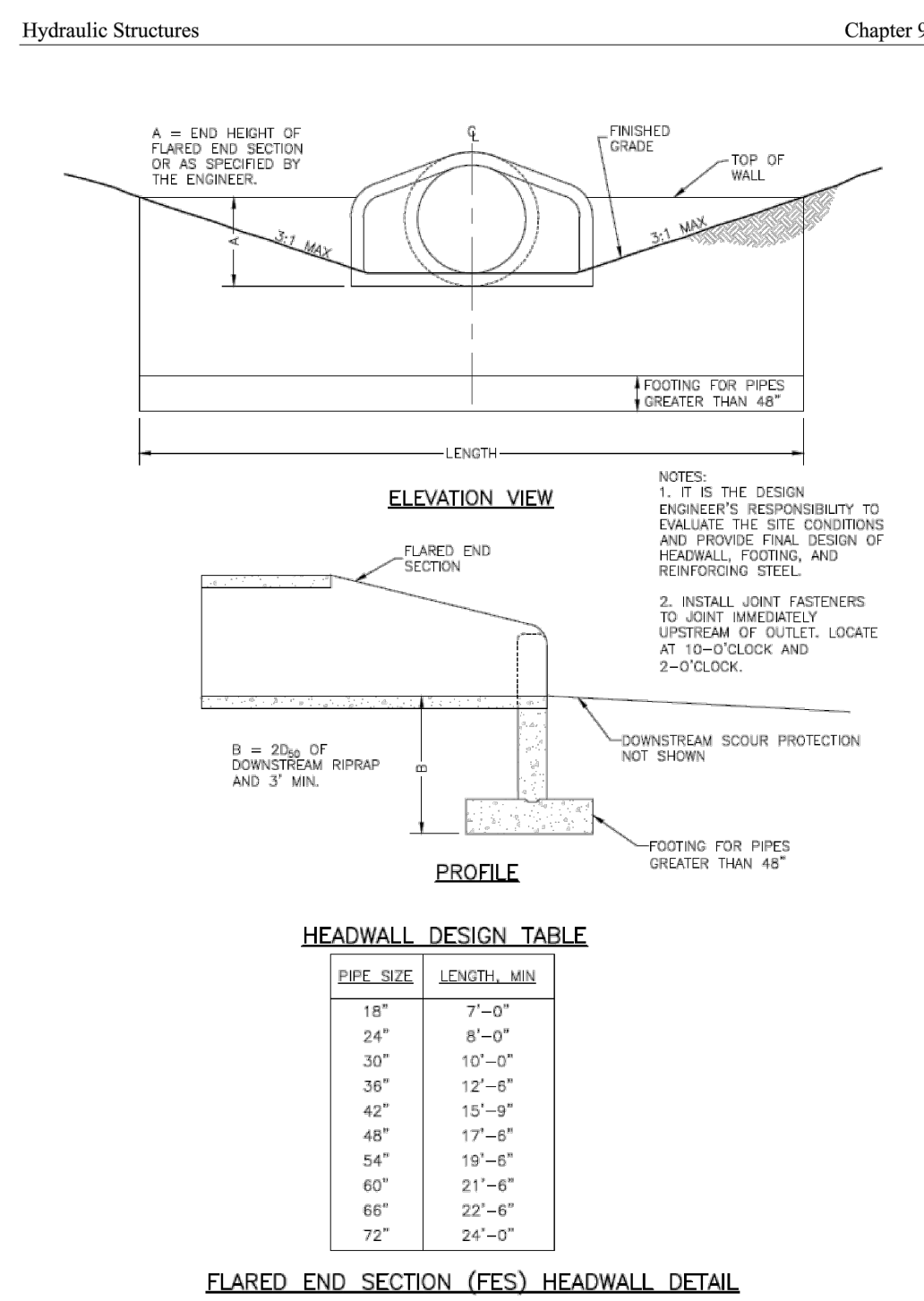
WATER QUALITY
 DETENTION POND (POND
 WU)
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 5/13/2020



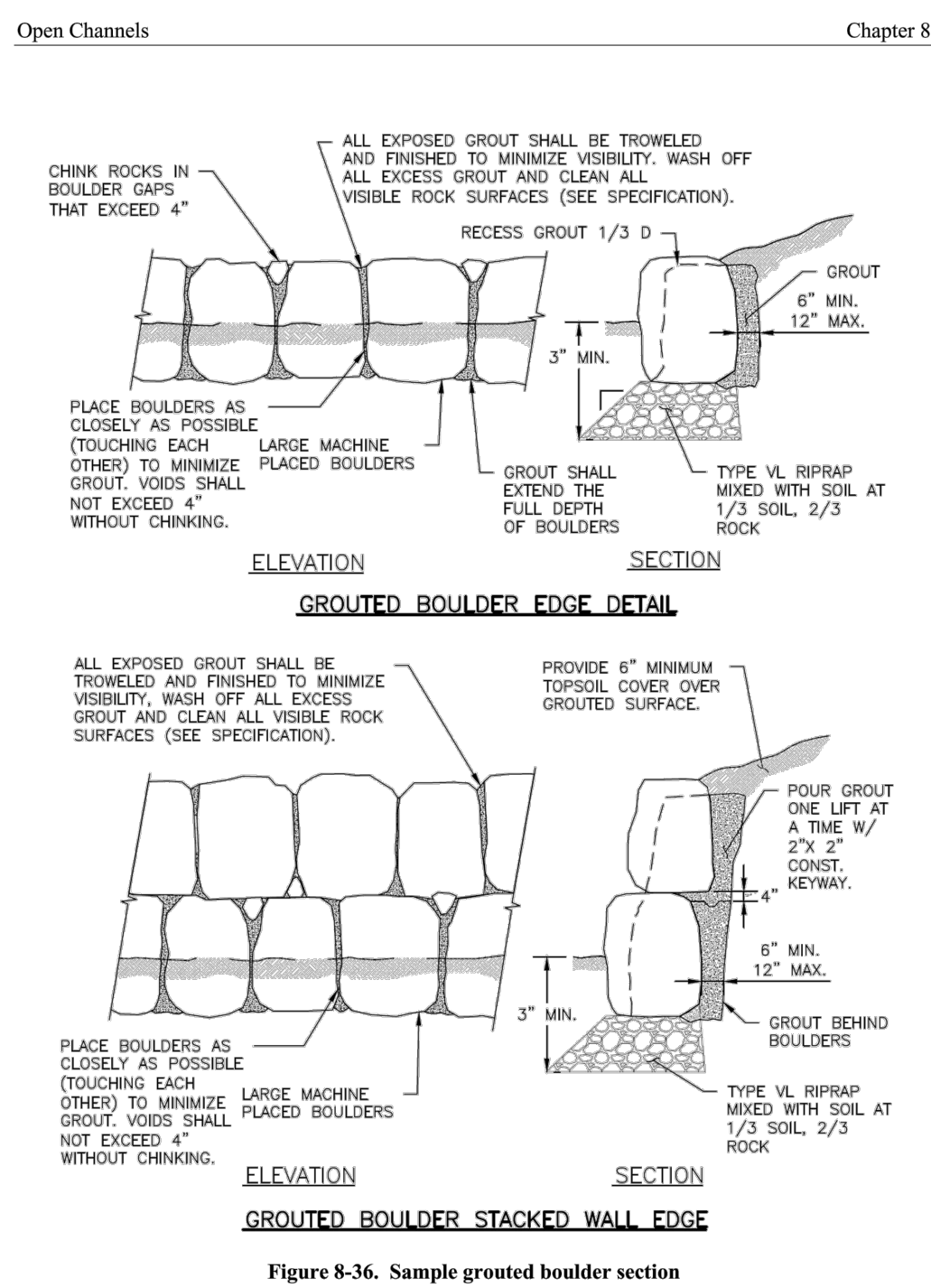
POND WJ PLAN – STORM LINE A: STA. 0+00.00 – 2+00.00



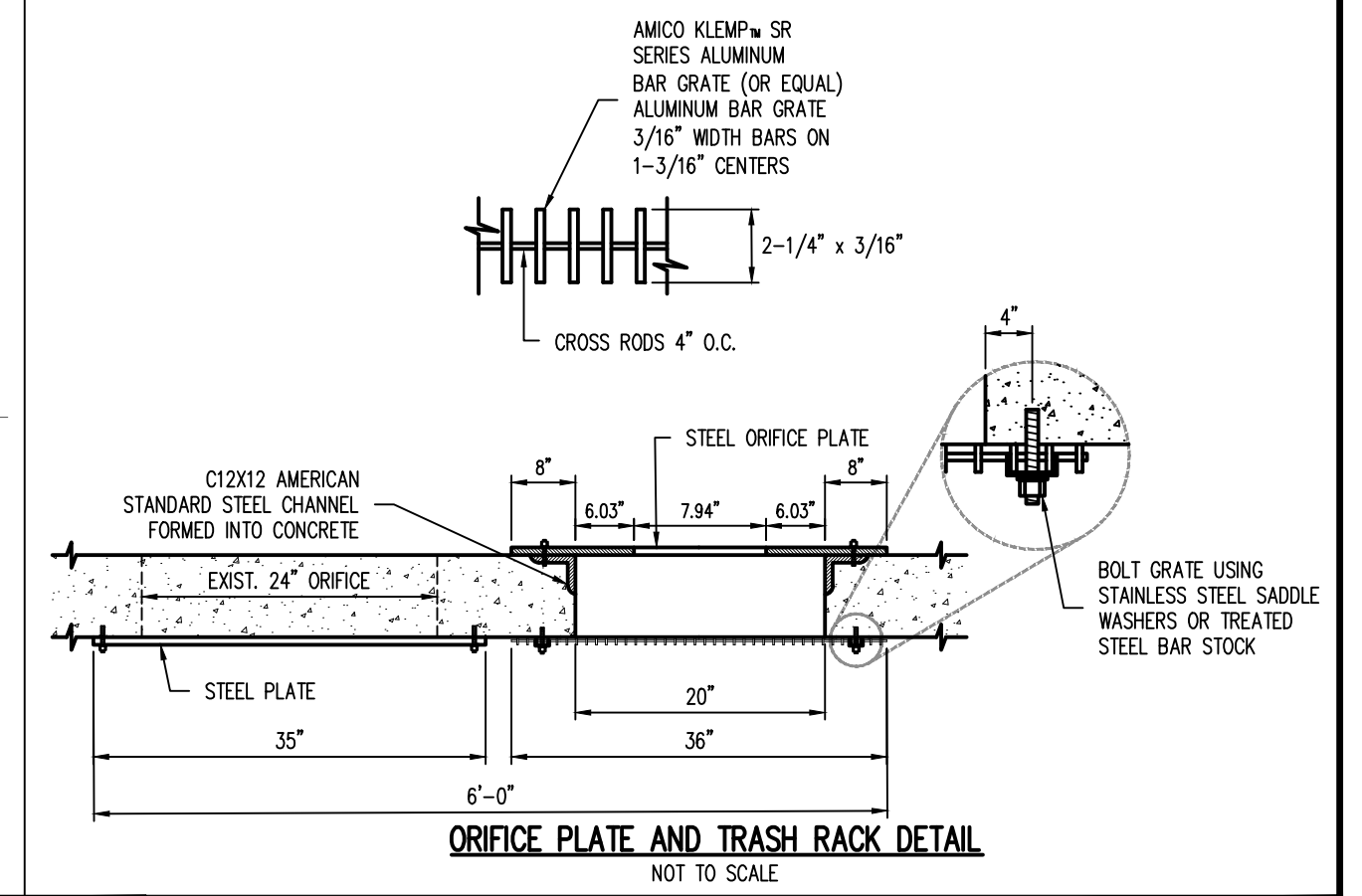
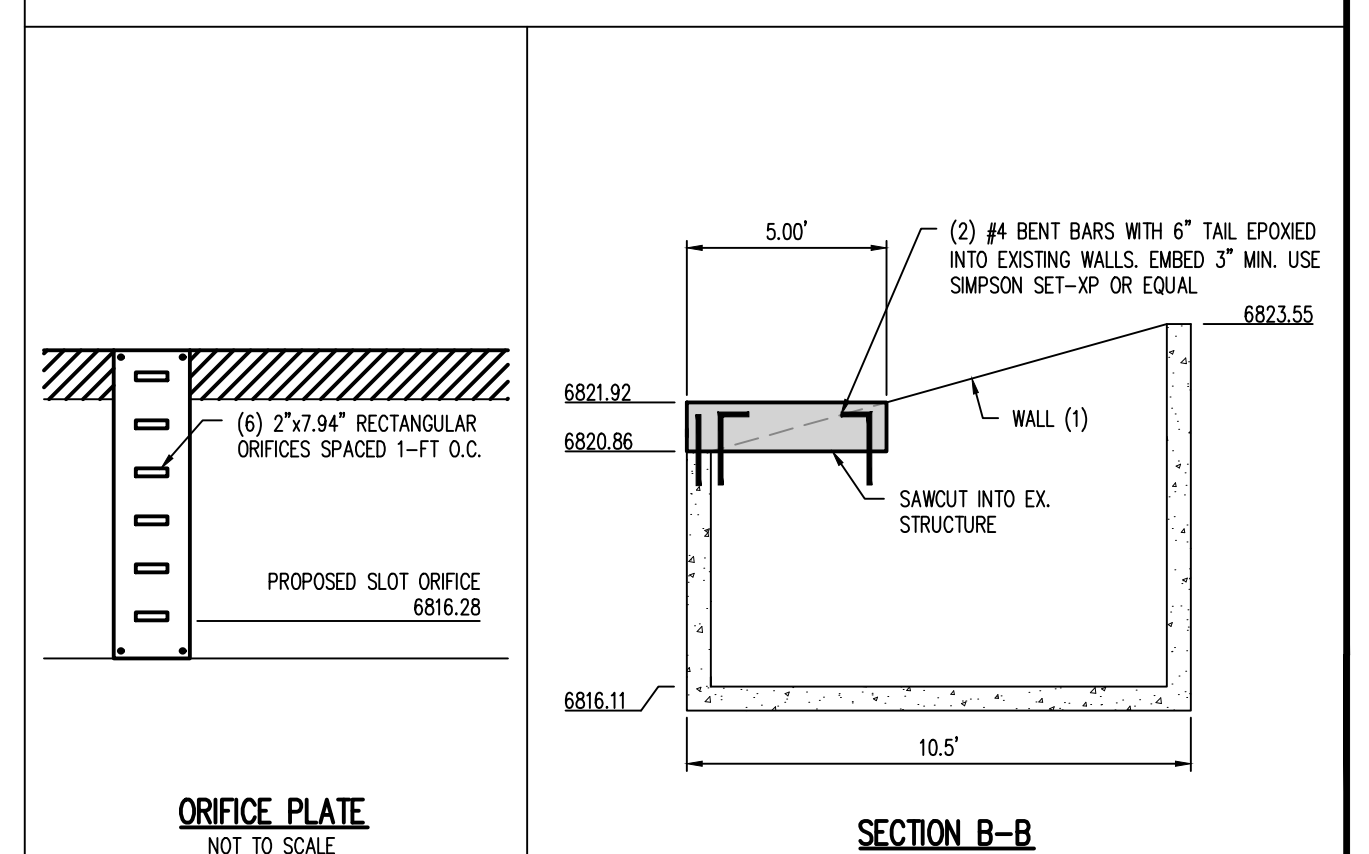
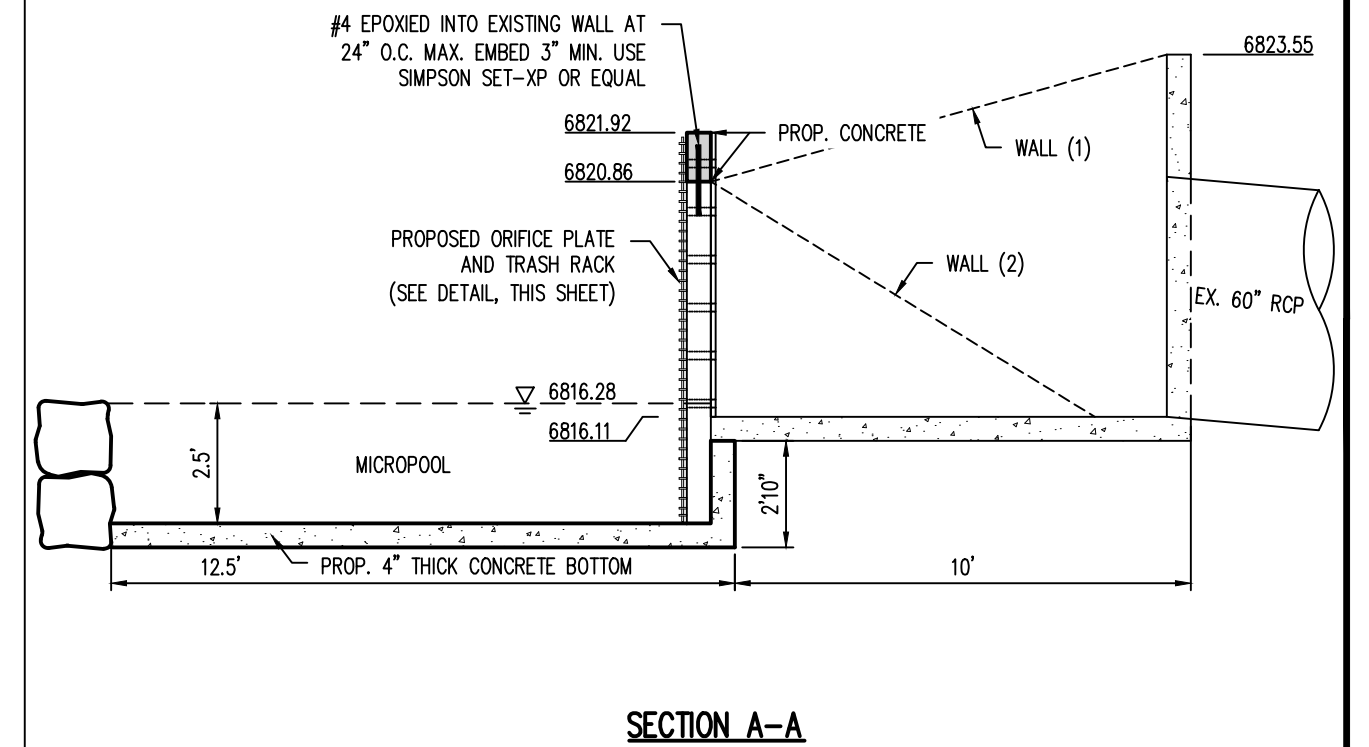
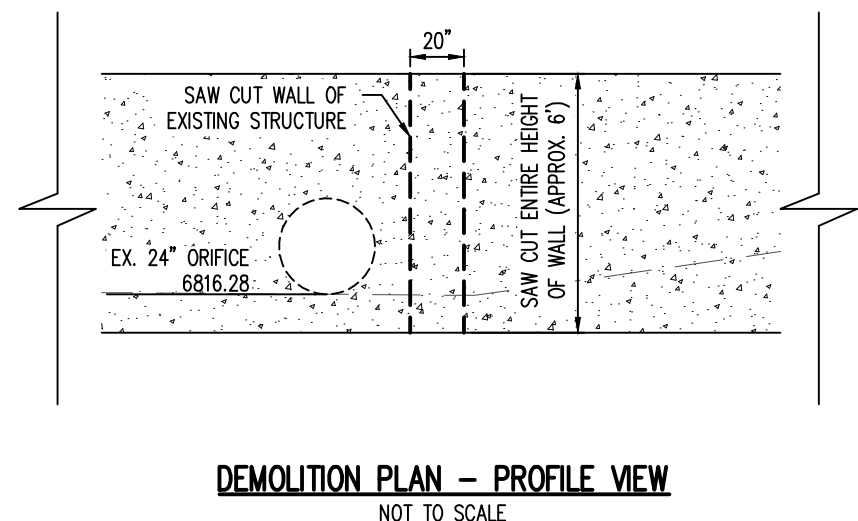
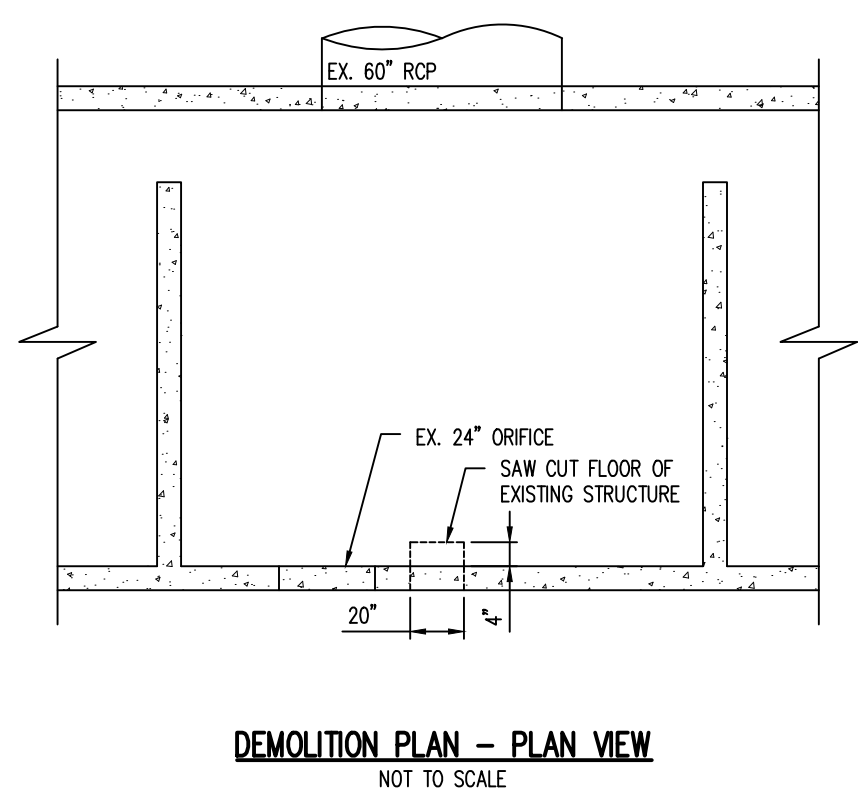
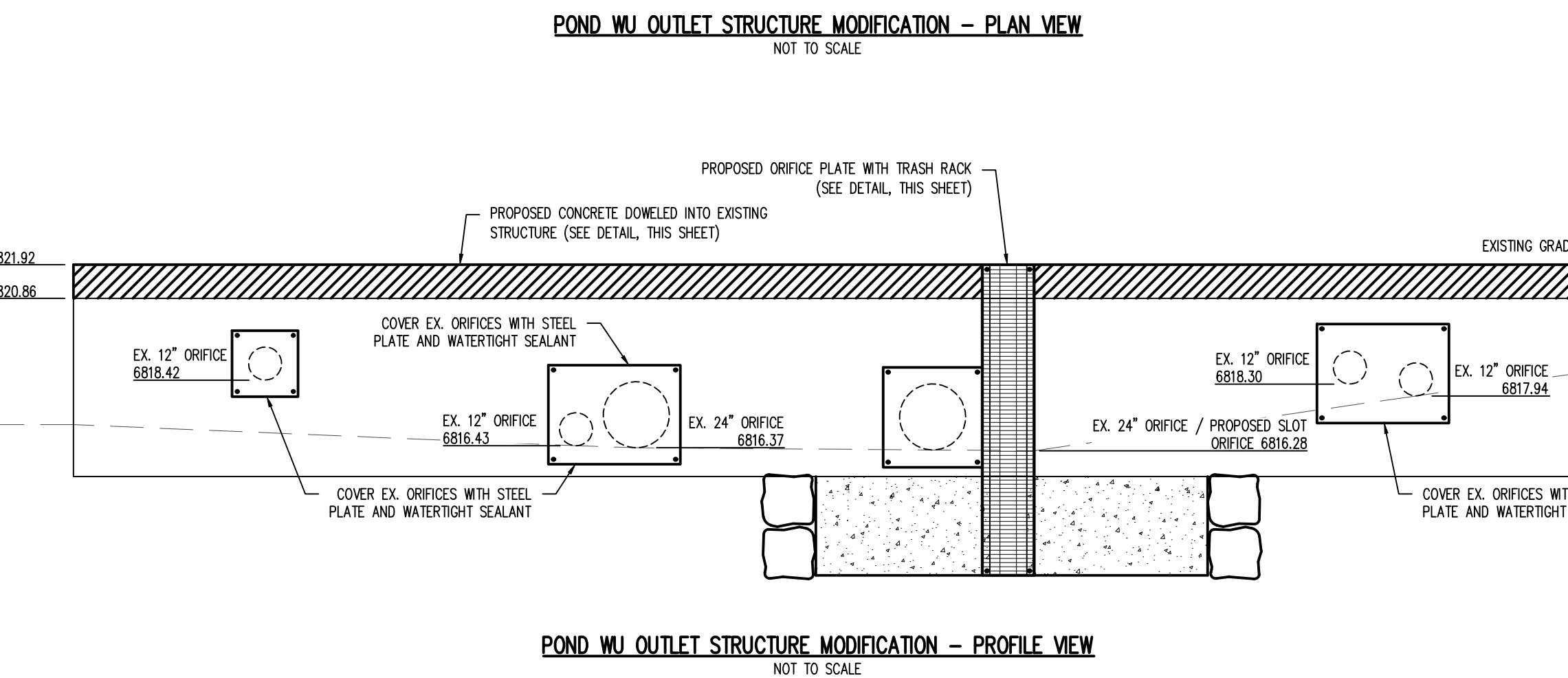
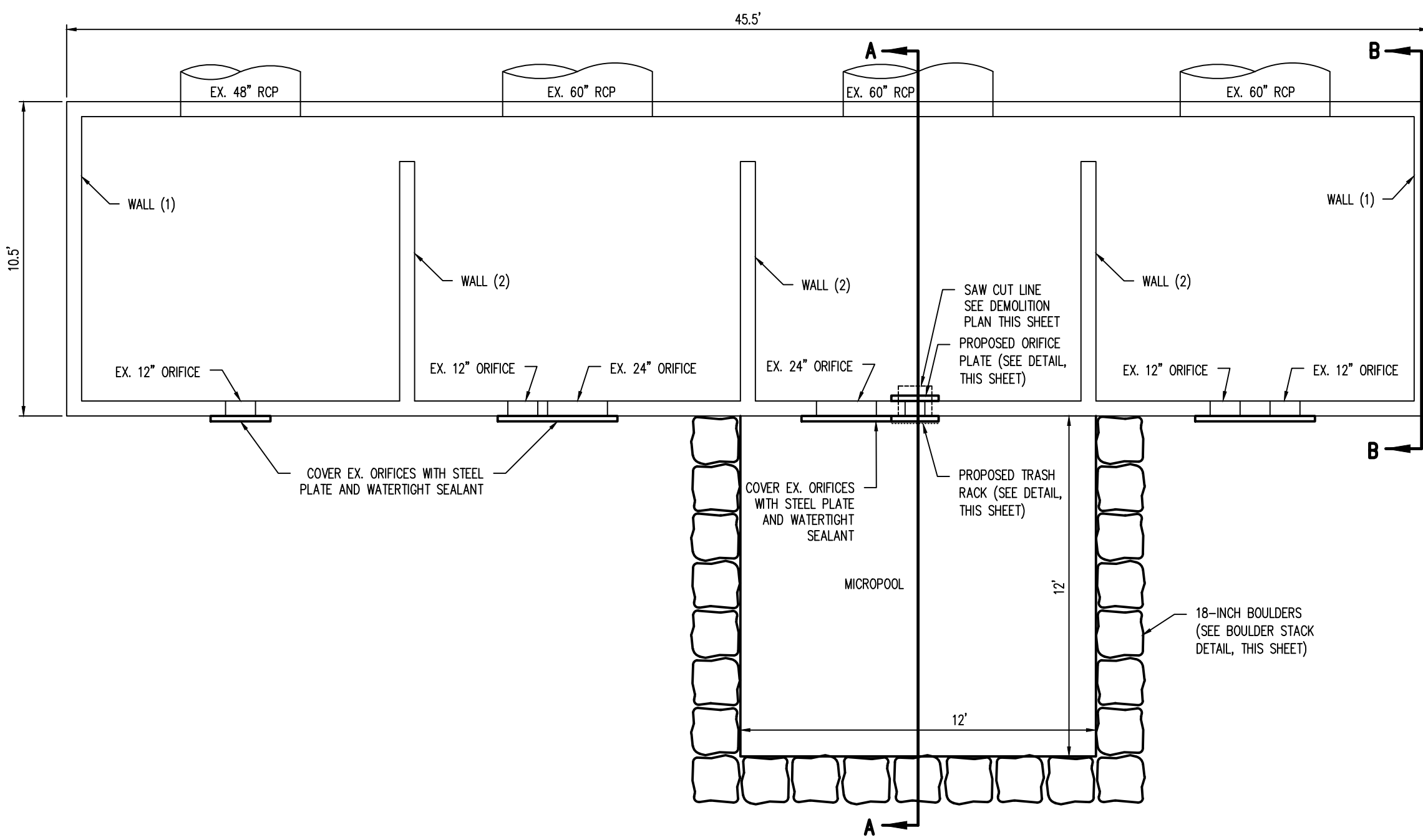
POND WJ PROFILE – STORM LINE A: STA. 0+00.00 – 2+00.00
SCALE: H:1"=20', V:1"=10'



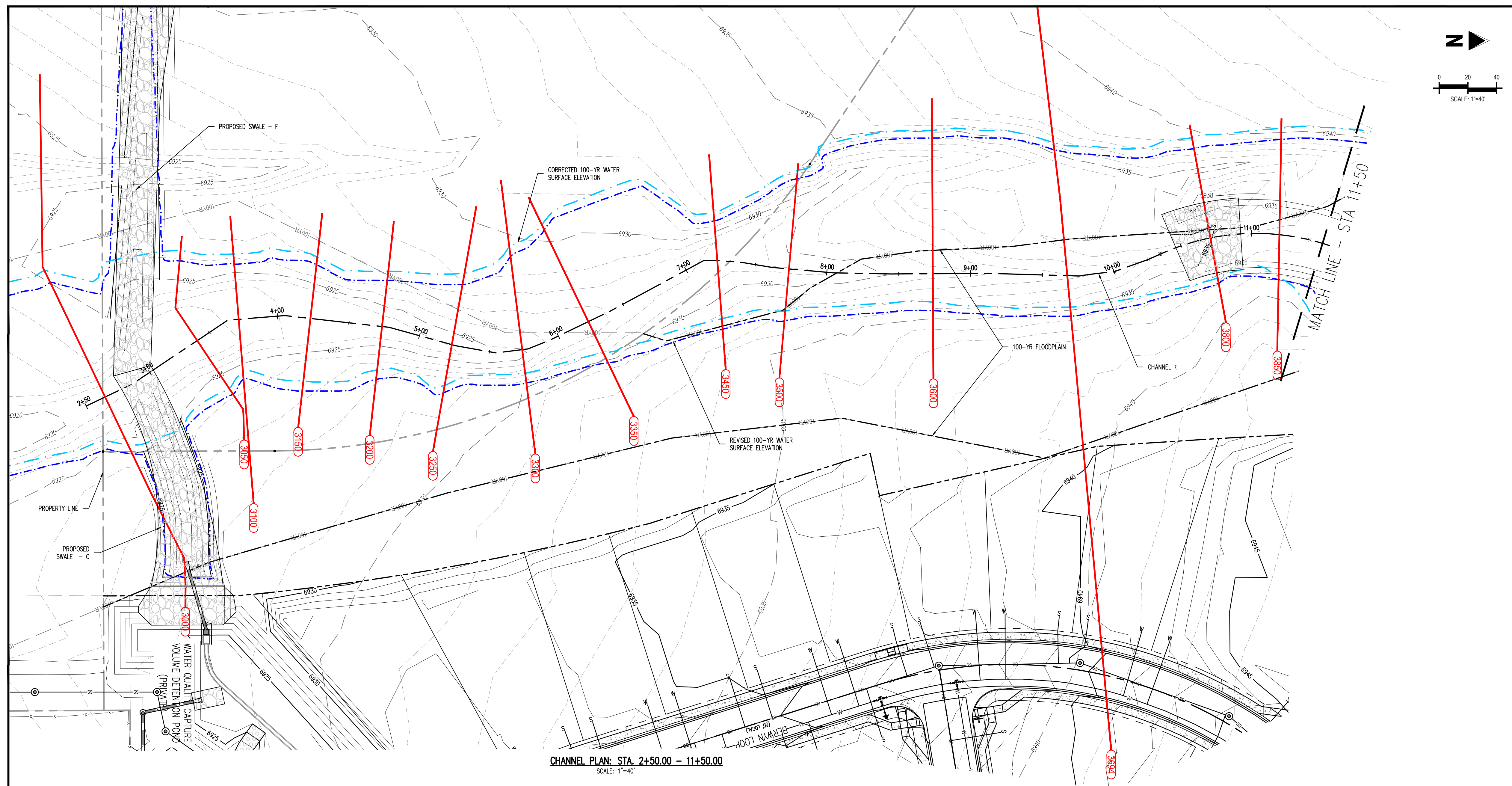
9-62 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 2 November 2016



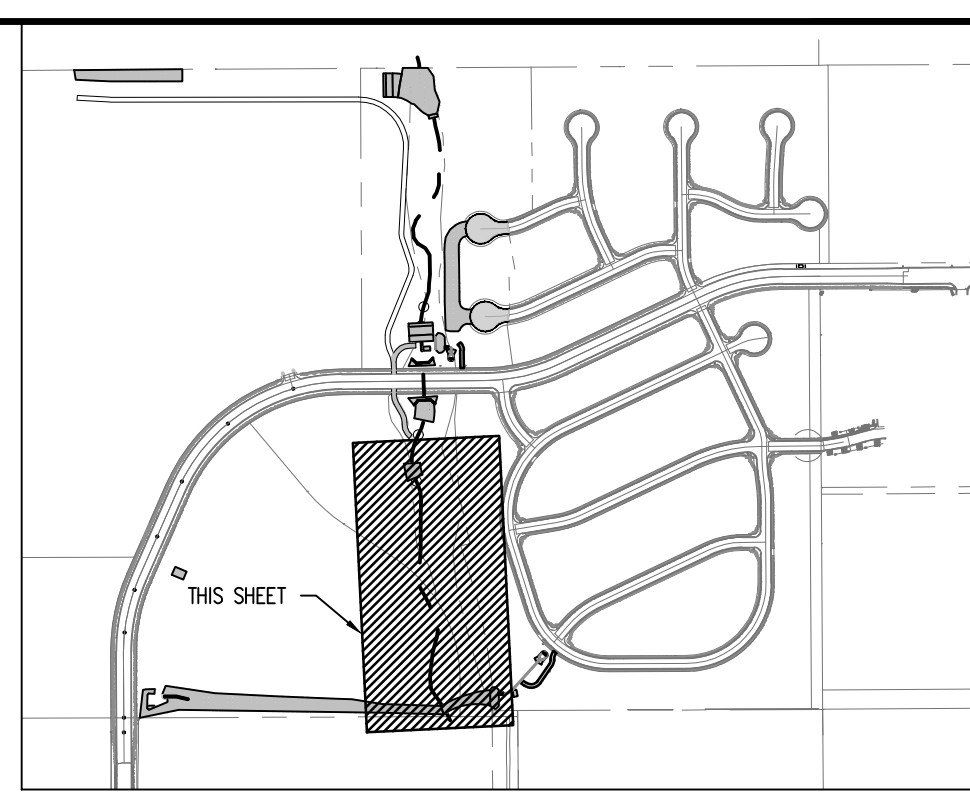
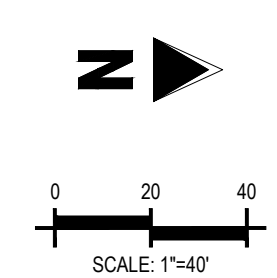
8-82 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 1 January 2016



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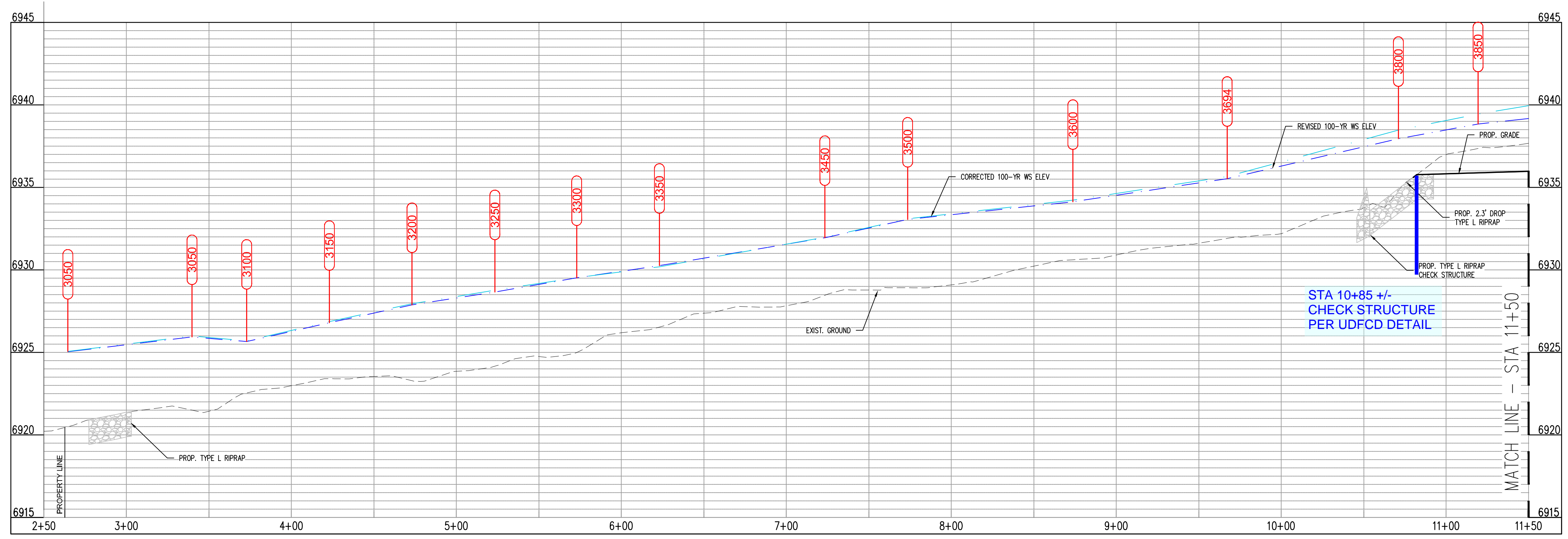


CHANNEL PLAN: STA. 2+50.00 - 11+50.00
SCALE: 1"=40'



LEGEND

- 6931 --- EXISTING MINOR CONTOUR
- 6930 --- EXISTING MAJOR CONTOUR
- - - 6941 - - - PROPOSED MINOR CONTOUR
- 6940 --- PROPOSED MAJOR CONTOUR
- - - - - PROPERTY BOUNDARY
- - - - - 100 - YR FLOODPLAIN LINE
- - - - - CORRECTED 100-YR WATER SURFACE
- - - - - REVISED 100-YR WATER SURFACES
- 3900 --- HEC-RAS SECTIONS
- --- EXISTING STORM SEWER
- --- PROPOSED STORM SEWER
- --- PROPOSED RIPRAP
- --- PROPOSED GROUTED BOULDERS



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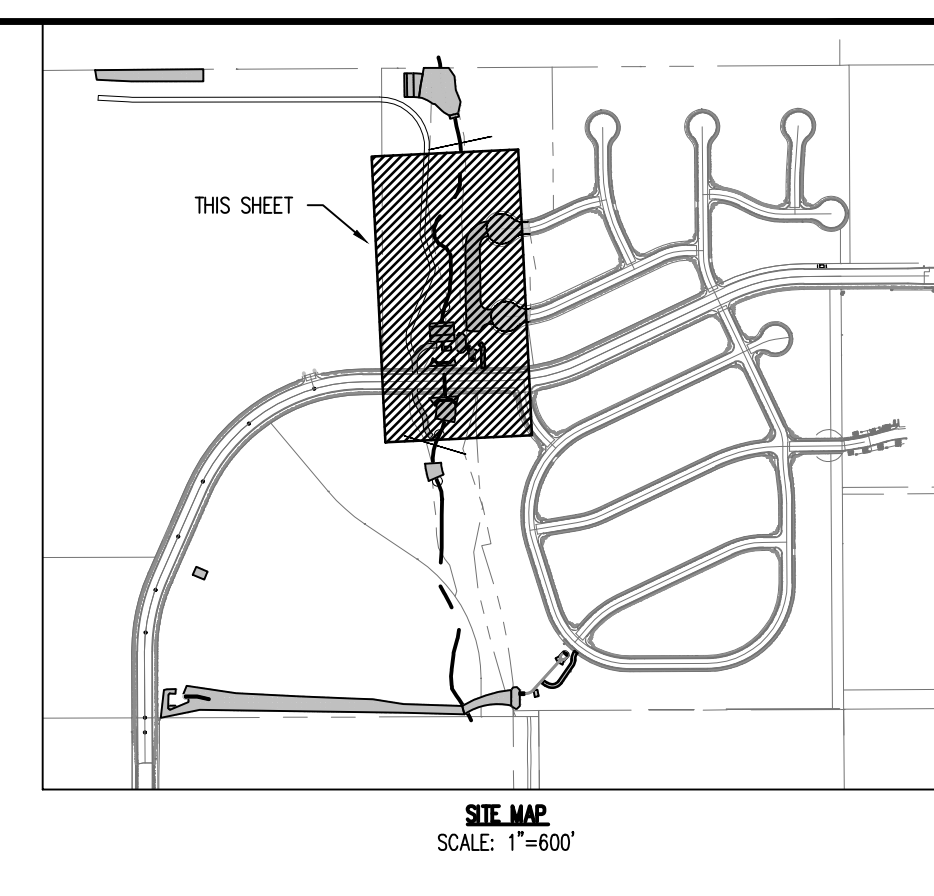
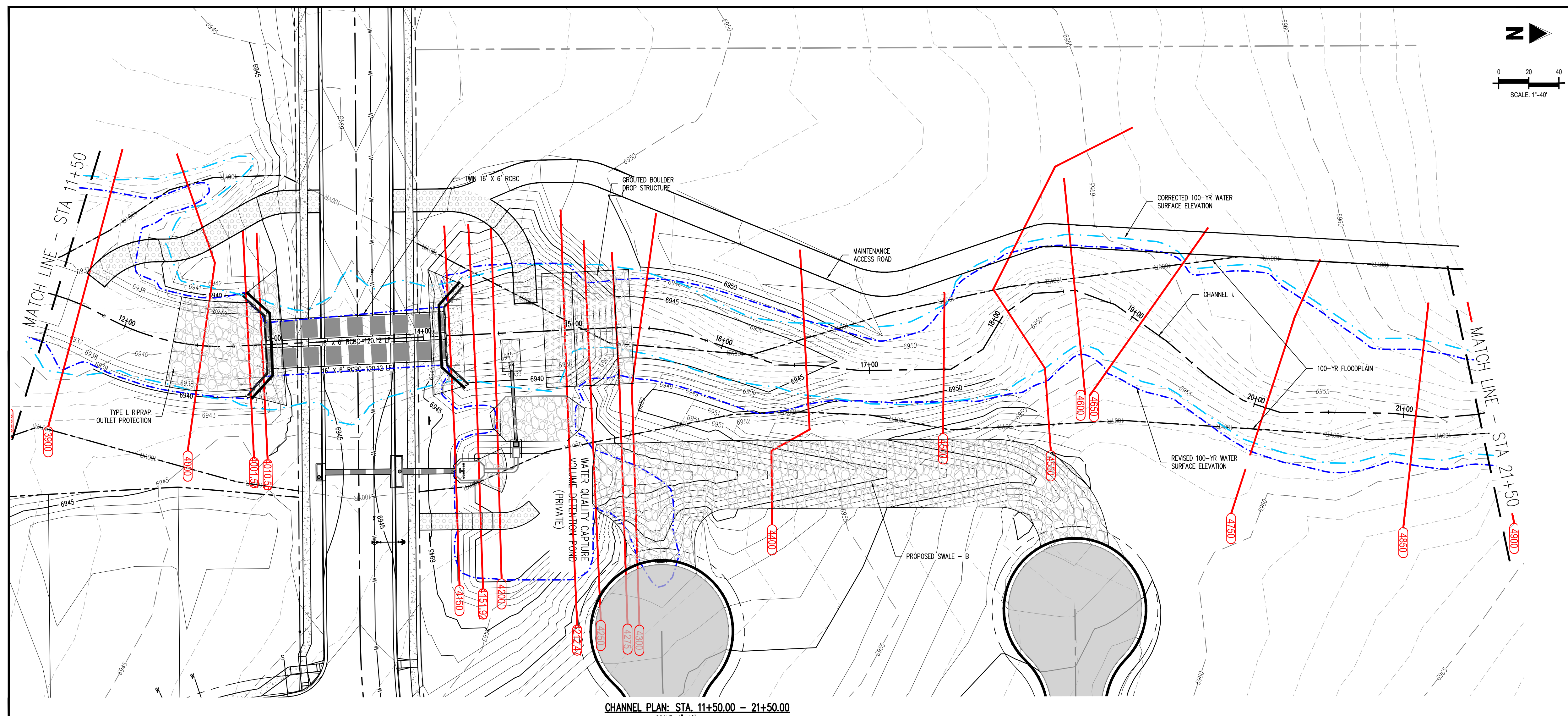


DRAINAGE PLAN
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO - EL PASO COUNTY

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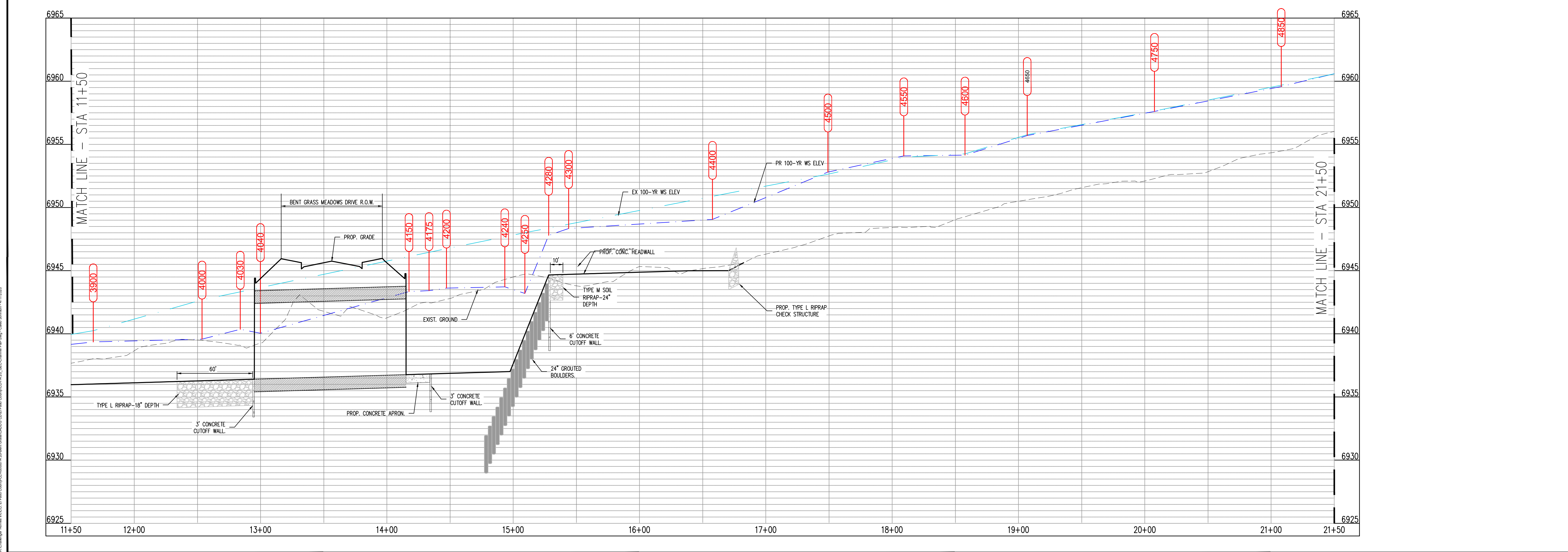
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Drawn By: _____
Checked By: _____
Date: _____

CHANNEL PLAN & PROFILE
SF1914
5/13/2020



LEGEND

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| --- | EXISTING MINOR CONTOUR |
| --- | EXISTING MAJOR CONTOUR |
| ... | PROPOSED MINOR CONTOUR |
| - - - | PROPOSED MAJOR CONTOUR |
| - · - · - | PROPERTY BOUNDARY |
| - - - | 100-YR FLOODPLAIN LINE |
| --- | CORRECTED 100-YR WATER SURFACE |
| - - - | REVISED 100-YR WATER SURFACES |
| ○ | HEC-RAS SECTIONS |
| - - - | EXISTING STORM SEWER |
| --- | PROPOSED STORM SEWER |
| [Hatched] | PROPOSED RIPRAP |
| [Stippled] | PROPOSED GROUDED BOULDERS |



Galloway
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COLOrado LICENSed
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PROFESSIONAL ENGINEER
04/20/2020

CHALLENGER HOMES

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DRAINAGE PLAN
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO - EL PASO COUNTY

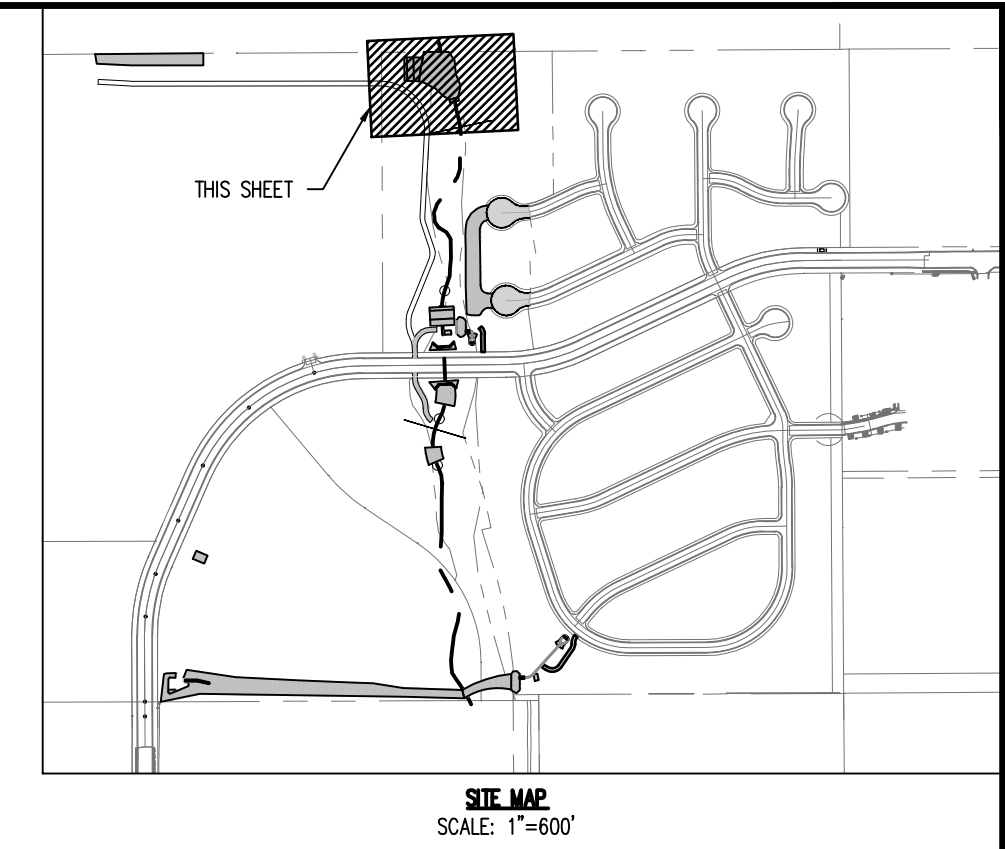
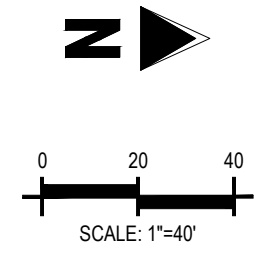
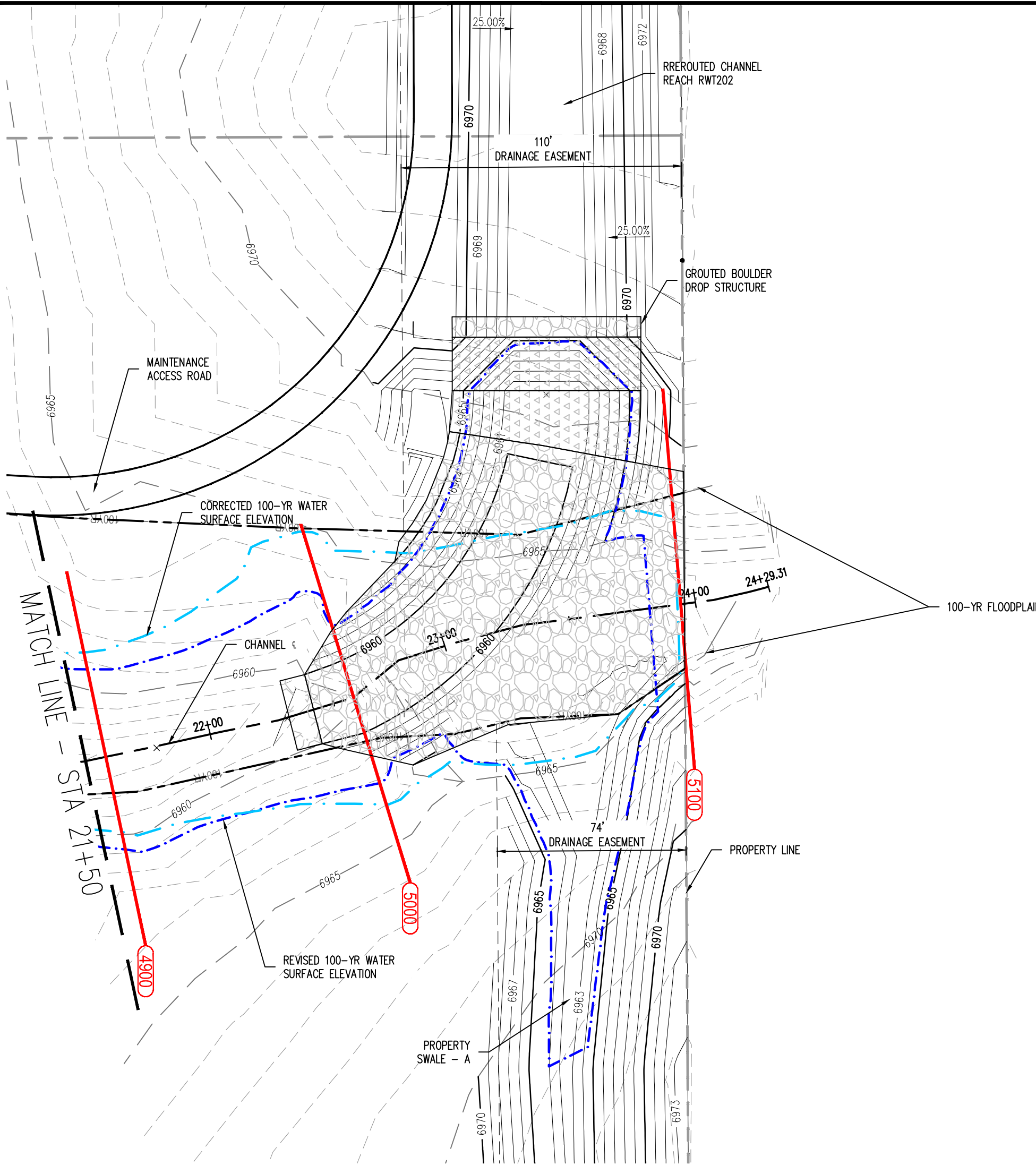
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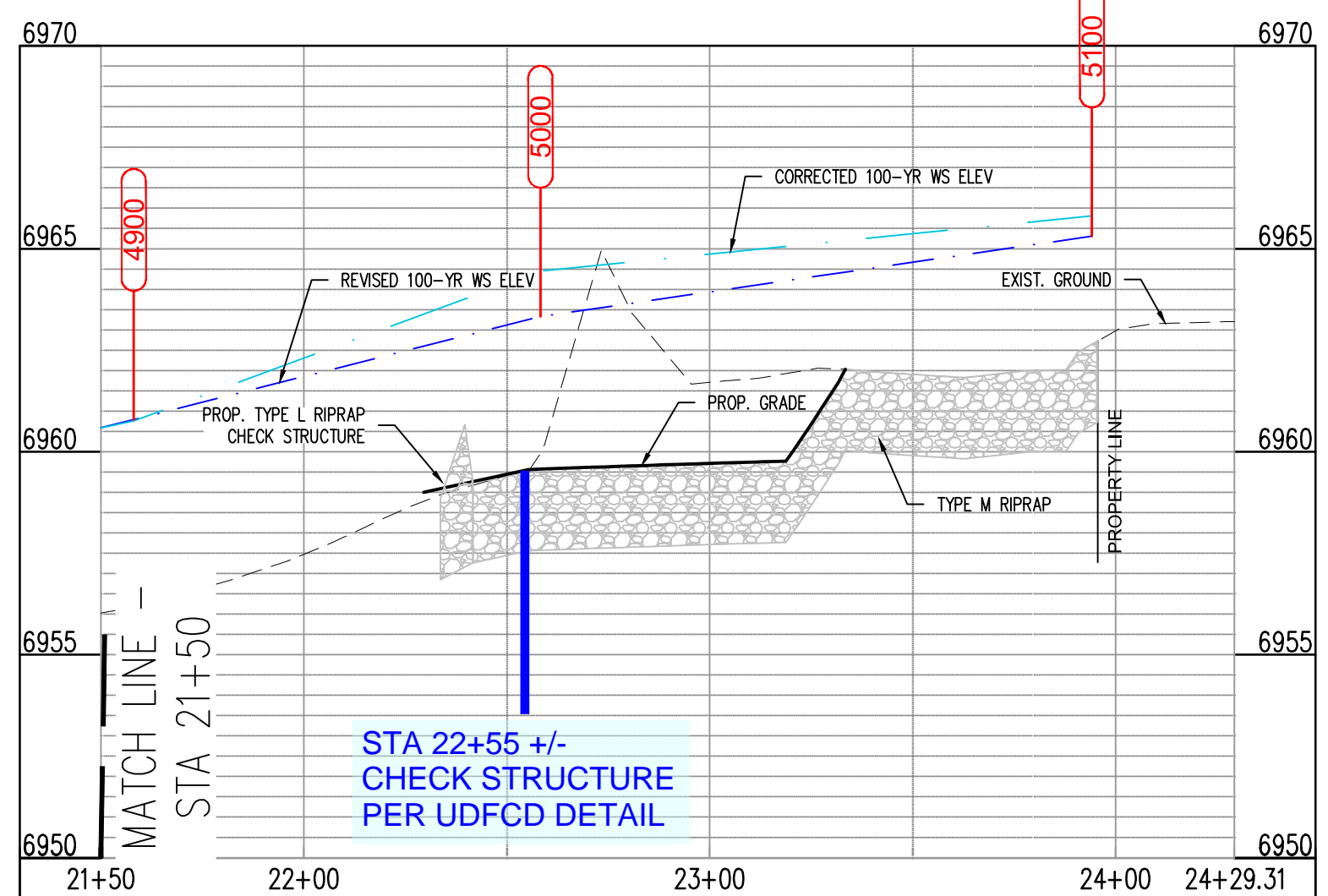
SF1914
5/13/2020

G7.02
Sheet 22 of 29



LEGEND

- - - 6931 - - - EXISTING MINOR CONTOUR
- - - 6930 - - - EXISTING MAJOR CONTOUR
- - - 6941 - - - PROPOSED MINOR CONTOUR
- - - 6940 - - - PROPOSED MAJOR CONTOUR
- - - - - PROPERTY BOUNDARY
- - - - - 100-YR FLOODPLAIN LINE
- - - - - CORRECTED 100-YR WATER SURFACE
- - - - - REVISED 100-YR WATER SURFACES
- (39.00) - - - HEC-RAS SECTIONS
- - - - - EXISTING STORM SEWER
- - - - - PROPOSED STORM SEWER
- - - - - PROPOSED RIPRAP
- - - - - PROPOSED GROUTED BOULDERS



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DRAINAGE PLAN
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FOR
CHALLENGER COMMUNITIES, LLC
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO - EL PASO COUNTY

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CHANNEL PLAN & PROFILE

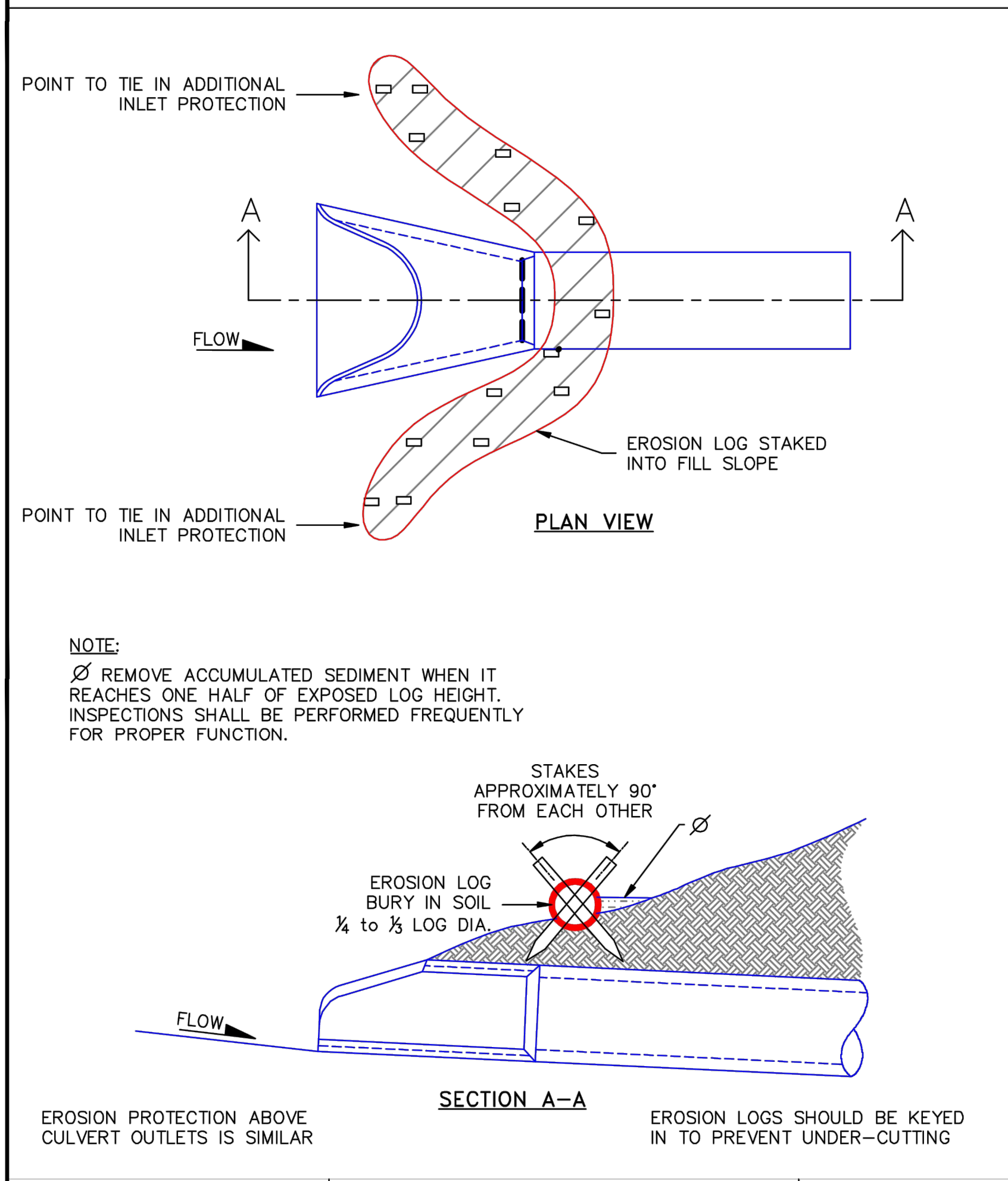
C:\Users\james.mccoy\Documents\2020\Bent Grass\Drawings\DWG\Channel Plan.dwg, Color: JAMES - 4/13/2020



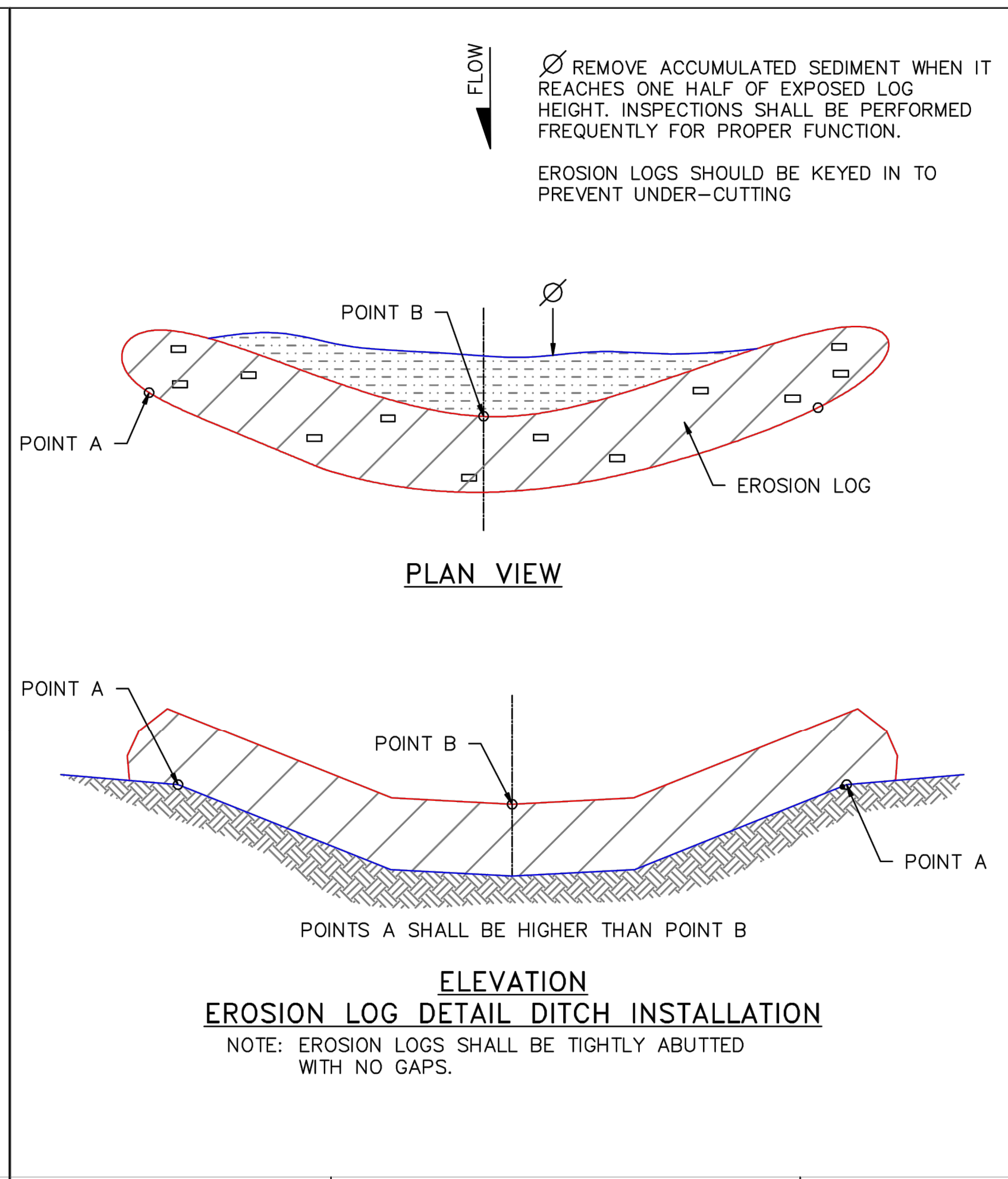
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CHALLENGER HOMES

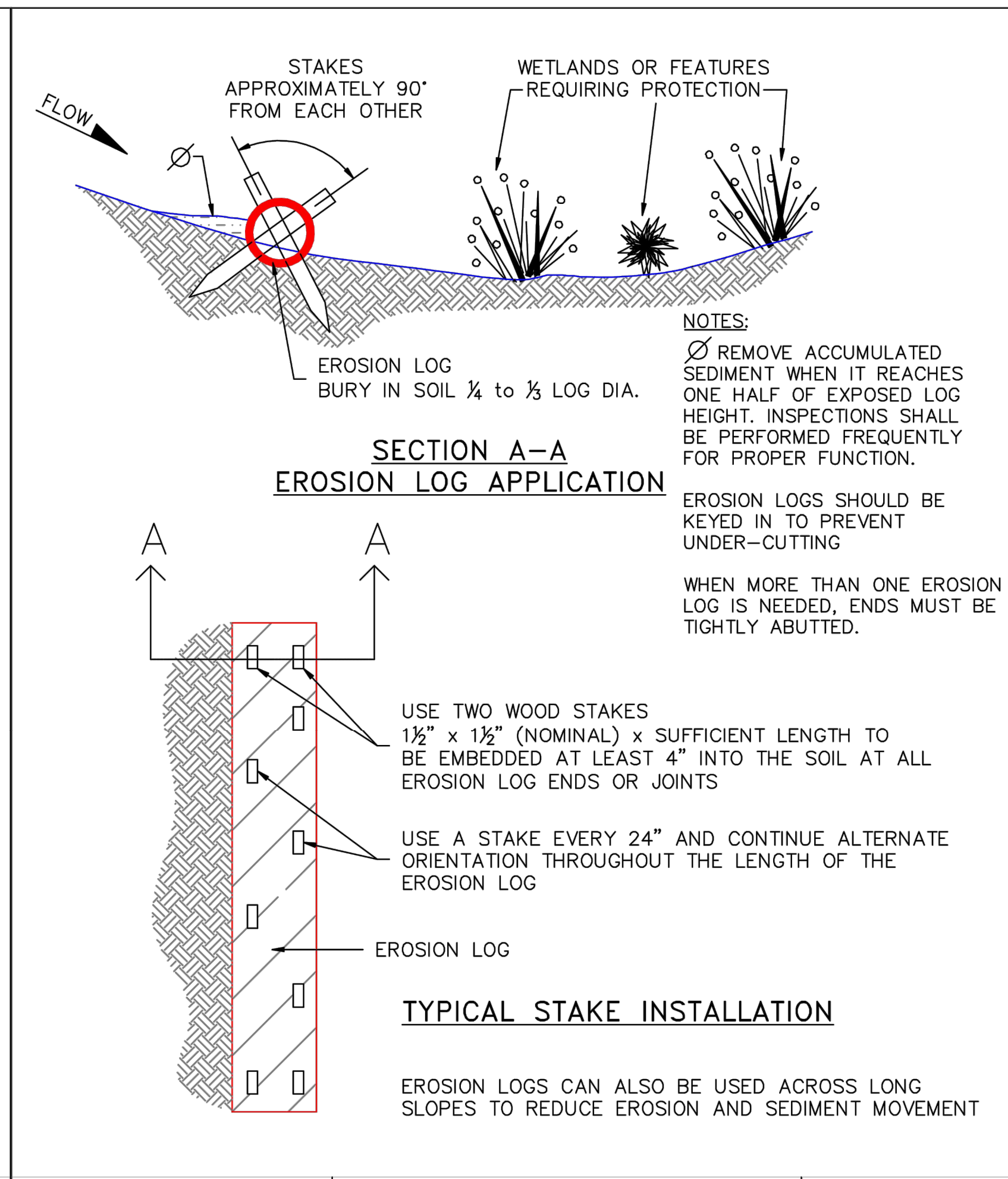
FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC.
 BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY



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|------------------------------|---|--|
| DATE APPROVED: 1/1/08 | Culvert Inlet and Outlet Protection Erosion Logs Above Inlets and Outlets For Slopes 3:1 or Steeper | |
| John A. McCarty | Standard Drawing | |
| DEPARTMENT OF TRANSPORTATION | REVISION DATE: 7/17/07 FILE NAME: SD_3-86 | |



| | | |
|------------------------------|---|--|
| DATE APPROVED: 1/1/08 | Erosion Log Check Dams | |
| John A. McCarty | Standard Drawing | |
| DEPARTMENT OF TRANSPORTATION | REVISION DATE: 7/17/07 FILE NAME: SD_3-85 | |



| | | |
|------------------------------|---|--|
| DATE APPROVED: 1/1/08 | Erosion Log Barrier | |
| John A. McCarty | Standard Drawing | |
| DEPARTMENT OF TRANSPORTATION | REVISION DATE: 7/17/07 FILE NAME: SD_3-87 | |

- EROSION CONTROL CRITERIA**
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.
1. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
 2. DURING GRADING OPERATIONS, LOCATE AND SET THE STRAW BALE CHECK DAMS AND SILT FENCES AS SHOWN ON THE EROSION CONTROL PLAN. AT THIS TIME RESEED ALL DISTURBED AREAS WITH AN EL PASO COUNTY APPROVED SEED MIX.
 3. SEEDING APPLICATION: DRILLED TO A DEPTH OF 0.25" TO 0.50" INTO SOIL WHERE POSSIBLE. BROADCAST AND RANKEED TO COVER ON STEEPER THAN 3:1 SLOPES WHERE ACCESS IS LIMITED OR UNSAFE FOR EQUIPMENT.
 4. MULCHING REQUIREMENTS AND APPLICATION: 1.5 TONS PER ACRE NATIVE HAY MECHANICALLY CRIMPED INTO SOIL.
 5. THE STRAW BALE CHECK DAMS AND SILT FENCES SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED. REMOVAL OF SILT AND SEDIMENT COLLECTED BY THE STRAW BALES IS REQUIRED ONCE IT REACHED HALF THE HEIGHT OF THE STRAW BALES OR SILT FENCE.
 6. DISTURBED SOIL SHALL BE VEGETATED WITHIN 60 DAYS AFTER SUBSTANTIAL FINAL GRADING IS COMPLETE. PROVIDE TEMPORARY VEGETATION TO DISTURBED AREAS THAT WILL HAVE A PERIOD OF EXPOSURE OF 6 MONTHS OR LONGER PRIOR TO FINAL STABILIZATION.
 7. ALL FACILITIES, VEGETATION AND OTHER ITEMS REQUIRED BY THE APPROVED FINAL GRADING, EROSION CONTROL, AND RECLAMATION PLAN SHALL BE PROPERLY MAINTAINED BY THE OWNERS OF THE PROPERTY. SUCH MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, KEEPING ALL EROSION CONTROL FACILITIES IN GOOD ORDER AND FUNCTIONAL, REPAIRING ANY EROSION DAMAGE THAT OCCURS, KEEPING ALL VEGETATION HEALTHY AND IN GROWING CONDITION AND REPLACING ANY DEAD VEGETATION AS SOON AS PRACTICABLE.
 8. ALL SILT FENCES ARE TO BE REGULARLY INSPECTED AND REPAIRED AS NEEDED.
 9. THE CONTRACTOR SHALL PROVIDE VEHICLE TRACKING CONTROL FACILITIES FOR EACH ENTRANCE / EXIT TO THE SITE. THE CONTRACTOR SHALL SUBMIT A PLAN WHICH WILL ASSURE USAGE OF THE FACILITY BY ALL VEHICLES LEAVING THE SITE.
 10. EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH STORM EVENT AND REPAIRED WHEN NECESSARY.
 11. CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL FACILITIES IN GOOD WORKING ORDER UNTIL SUCH TIME AS PERMANENT FACILITIES ARE IN PLACE AND THE CONSTRUCTION MANAGER HAS APPROVED THEIR REMOVAL.
 12. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
 13. THE EROSION CONTROL MEASURES OUTLINED ON THE PLAN ARE THE RESPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE AND REBUILD AS NECESSARY UNTIL VEGETATION IS ESTABLISHED.
 14. MAXIMUM ACRES OPEN AT ANY GIVEN TIME IS TO BE 97 ACRES.

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GRADING & EROSION CONTROL DETAILS



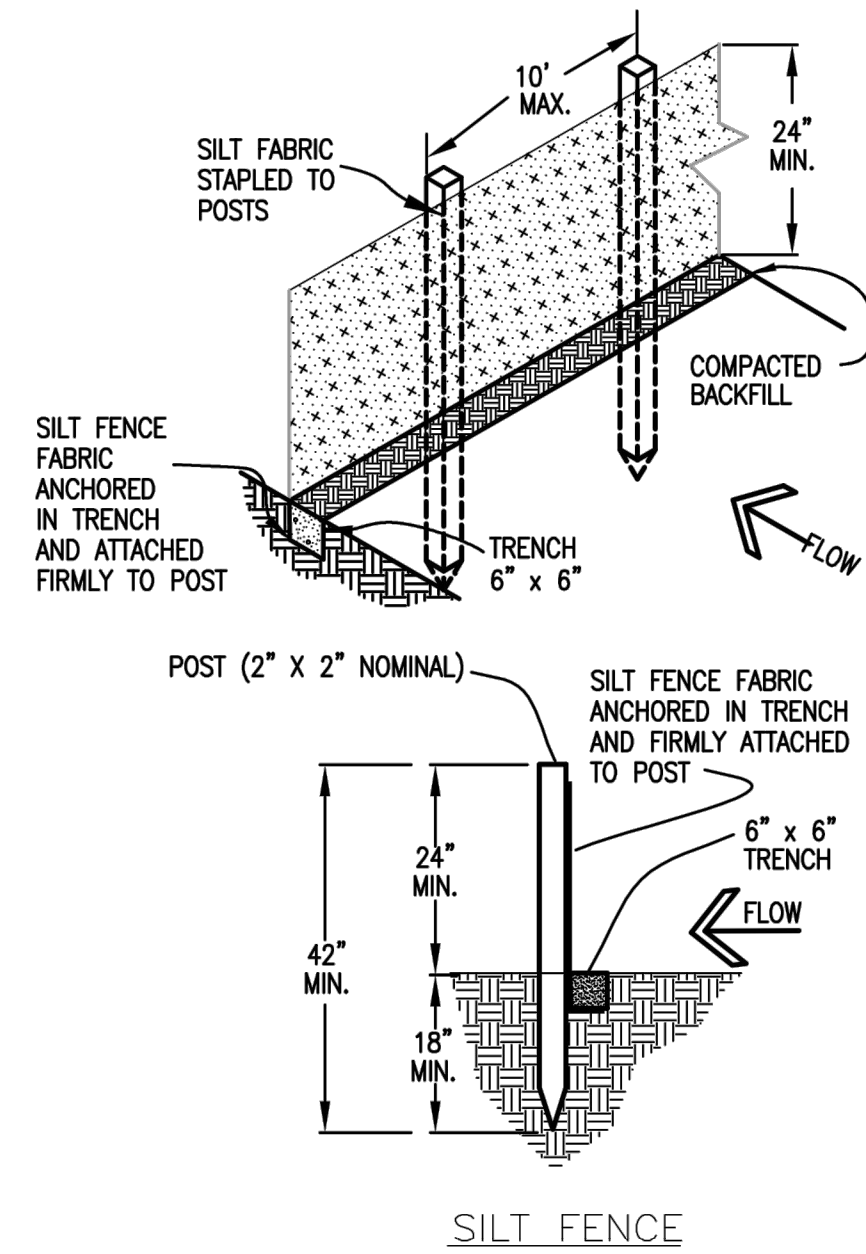
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CHALLENGER HOMES

FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.

BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY



SILT FENCE NOTES

INSTALLATION REQUIREMENTS

1. SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPliced TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
3. METAL POSTS SHALL BE "STUDED TEE" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD POSTS SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
4. THE FILTER MATERIAL SHALL BE FASTENED SECURELY TO METAL OR WOOD POSTS USING WIRE TIES, OR TO WOOD POSTS WITH 3/4" LONG #8 HEAVY-DUTY STAPLES. THE SILT FENCE GEOTEXTILE SHALL NOT BE STAPLED TO EXISTING TREES.
5. WHILE NOT REQUIRED, WIRE MESH FENCE MAY BE USED TO SUPPORT THE GEOTEXTILE. WIRE FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 3/4" LONG, THE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 6" AND SHALL NOT EXTEND MORE THAN 3' ABOVE THE ORIGINAL GROUND SURFACE.

6. ALONG THE TOE OF FILLS, INSTALL THE SILT FENCE ALONG A LEVEL CONTOUR AND PROVIDE AN AREA BEHIND THE FENCE FOR RUNOFF TO POND AND SEDIMENT TO SETTLE. A MINIMUM DISTANCE OF 5 FEET FROM THE TOE OF THE FILL IS RECOMMENDED.
7. THE HEIGHT OF THE SILT FENCE FROM THE GROUND SURFACE SHALL BE MINIMUM OF 24 INCHES AND SHALL NOT EXCEED 36 INCHES; HIGHER FENCES MAY INPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

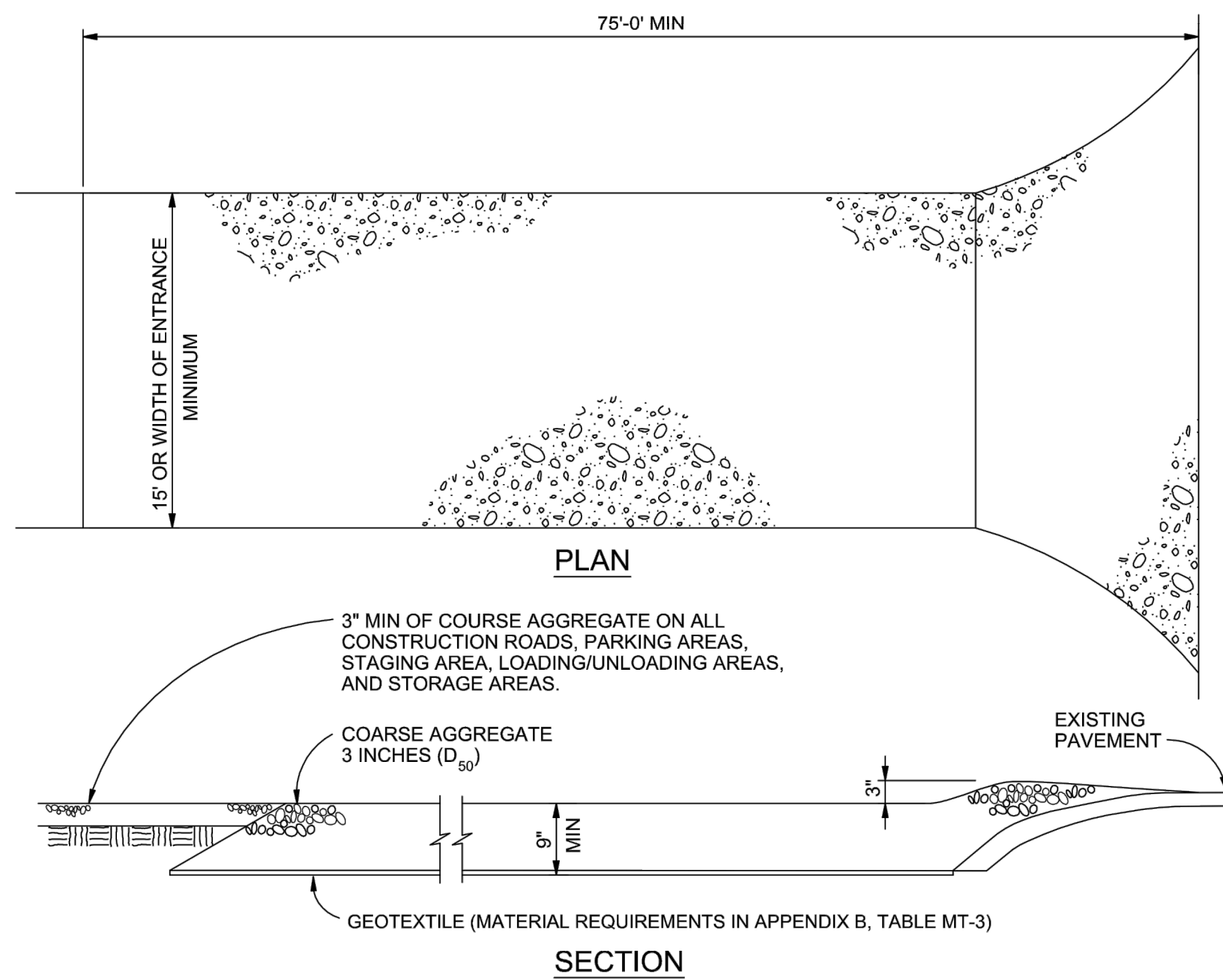
MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT SILT FENCES IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS OF NO RAINFALL. DAMAGED, COLLAPSED, UNENTRENCHED OR INEFFECTIVE SILT FENCES SHALL BE PROMPTLY REPAIRED OR REPLACED.
2. SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO HALF THE EXPOSED GEOTEXTILE HEIGHT.
3. SILT FENCES SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.

City of Colorado Springs
 Stormwater Quality

Figure SF-2
 Silt Fence
 Construction Detail and Maintenance Requirements

3-36



VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
3. AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
5. CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

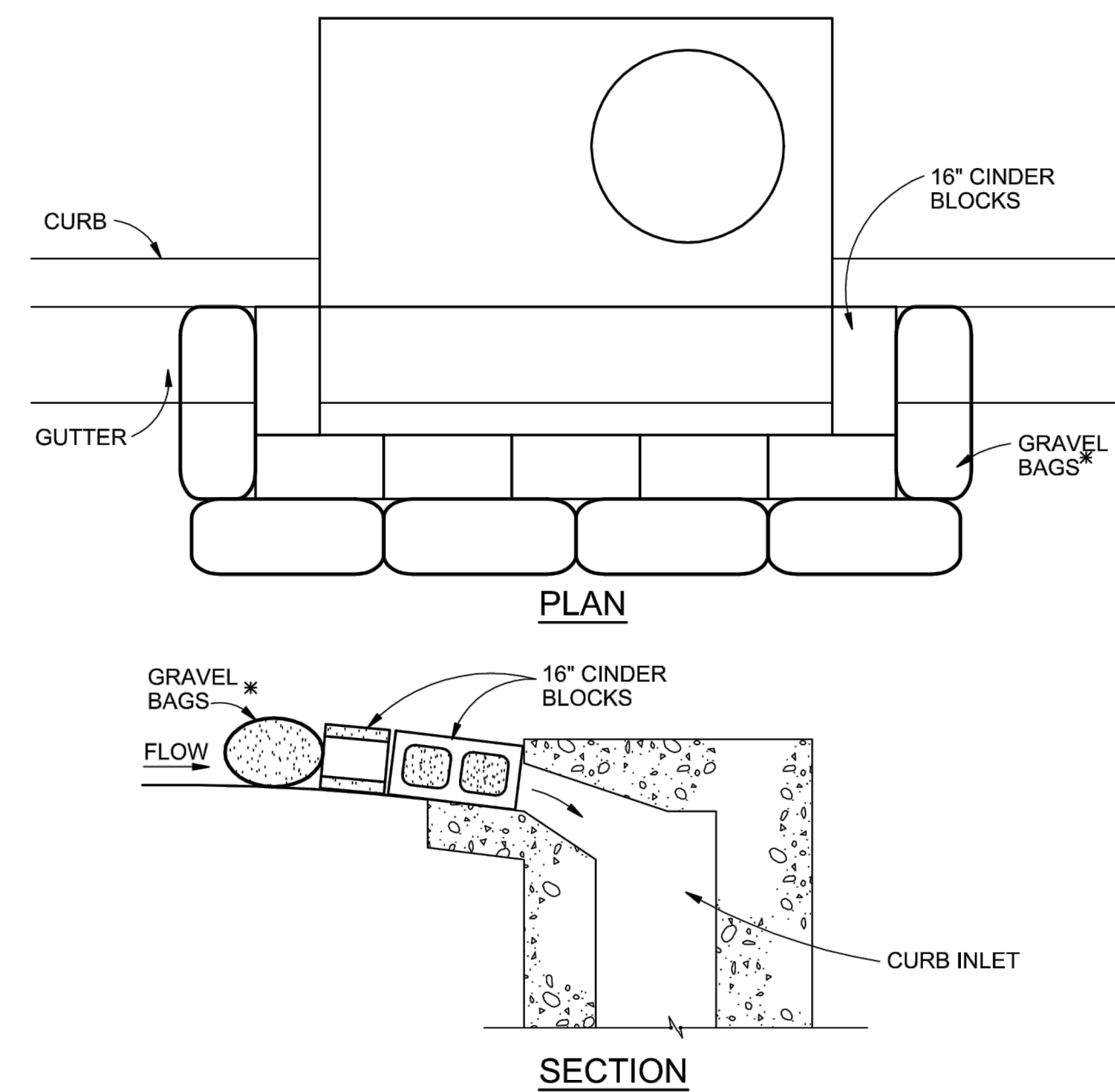
MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.
2. STONES ARE TO BE REAPPLIED PERIODICALLY AND WHEN REPAIR IS NECESSARY.
3. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE WASHED DOWN STORM SEWER DRAINS.
4. STORM SEWER INLET PROTECTION IS TO BE IN PLACE, INSPECTED, AND CLEANED IF NECESSARY.
5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.

City of Colorado Springs
 Stormwater Quality

Figure VT-2
 Vehicle Tracking
 Application Examples

3-54



BLOCK AND GRAVEL BAG*CURB INLET PROTECTION NOTES

INSTALLATION REQUIREMENTS

1. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF INLET.
2. CONCRETE BLOCKS ARE TO BE LAID AROUND THE INLET IN A SINGLE ROW ON THEIR SIDES, ABUTTING ONE ANOTHER WITH THE OPEN ENDS OF THE BLOCK FACING OUTWARD.
3. CONCRETE BLOCKS ARE TO BE PLACED AROUND THE INLET SO CLOSELY ABUTTING ONE ANOTHER SO THERE ARE NO GAPS.
4. GRAVEL BAGS ARE TO CONTAIN WASHED SAND OR GRAVEL APPROXIMATELY 3/4 INCH IN DIAMETER.
5. BAGS ARE TO BE MADE OF 1/4" WIRE MESH (USED WITH GRAVEL ONLY) OR GEOTEXTILE.

* AN ALTERNATE 3/4" TO 1" GRAVEL FILTER OVER A WIRE SCREEN MAY BE USED IN PLACE OF GRAVEL BAGS. THE WIRE MESH SHALL EXTEND ABOVE THE TOP OF THE CONCRETE BLOCKS AND THE GRAVEL PLACED OVER THE WIRE SCREEN TO THE TOP OF THE CONCRETE BLOCKS.

MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT INLET PROTECTION IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS OF NO RAINFALL.
2. DAMAGED OR INEFFECTIVE INLET PROTECTION SHALL PROMPTLY BE REPAIRED OR REPLACED.
3. SEDIMENT SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO APPROXIMATELY 1/2 THE DESIGN DEPTH OF THE TRAP.
4. INLET PROTECTION SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED WITHIN THE DRAINAGE AREA AS APPROVED BY THE CITY.

City of Colorado Springs
 Stormwater Quality

Figure IP-3
 Block & Gravel Bag Curb Inlet Protection
 Construction Detail and Maintenance Requirements

3-27

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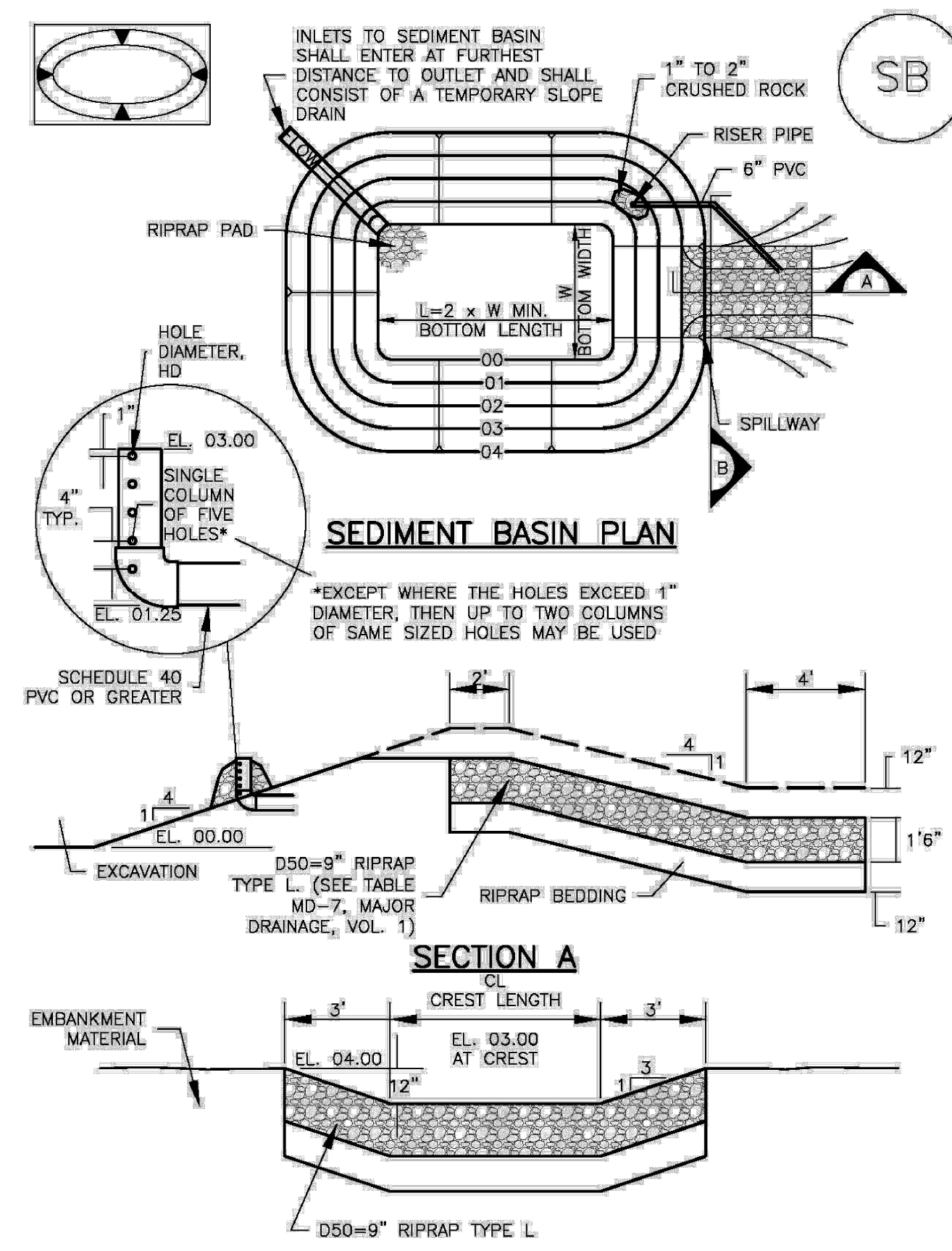
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GRADING & EROSION CONTROL DETAILS
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Sediment Basin (SB)

SC-7



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Sediment Basin (SB)

TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

| Upstream Drainage Area (rounded to nearest acre), (ac) | Basin Bottom Width (W), (ft) | Spillway Crest Length (CL), (ft) | Hole Diameter (HD), (in) |
|--|------------------------------|----------------------------------|--------------------------|
| 1 | 12 1/2 | 2 | 9/16 |
| 2 | 21 | 3 | 1 1/8 |
| 3 | 28 | 5 | 1 1/2 |
| 4 | 33 1/2 | 6 | 1 5/8 |
| 5 | 38 1/2 | 8 | 2 |
| 6 | 43 | 9 | 2 1/8 |
| 7 | 47 1/4 | 11 | 2 1/4 |
| 8 | 51 | 12 | 2 3/8 |
| 9 | 55 | 13 | 2 1/2 |
| 10 | 59 1/4 | 15 | 2 7/8 |
| 11 | 61 | 16 | 3 |
| 12 | 64 | 18 | 3 1/4 |
| 13 | 67 1/2 | 19 | 3 1/2 |
| 14 | 70 1/2 | 21 | 3 3/4 |
| 15 | 73 1/4 | 22 | 4 |

SEDIMENT BASIN INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
- FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
- SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS AS A STORMWATER CONTROL.
- EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
- EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
- PIPE SCH 40 OR GREATER SHALL BE USED.
- THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

SB-6

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Sediment Basin (SB)

SC-7

SEDIMENT BASIN MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).
- SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
- WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

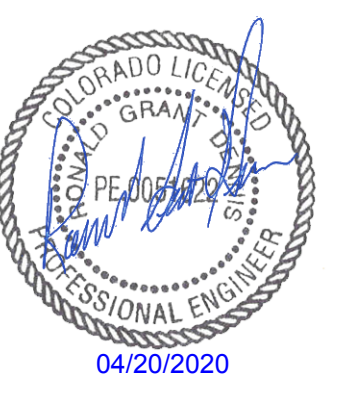
(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

August 2013

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Urban Storm Drainage Criteria Manual Volume 3

SB-7



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CHALLENGER HOMES

FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.
 BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY

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GRADING & EROSION CONTROL DETAILS

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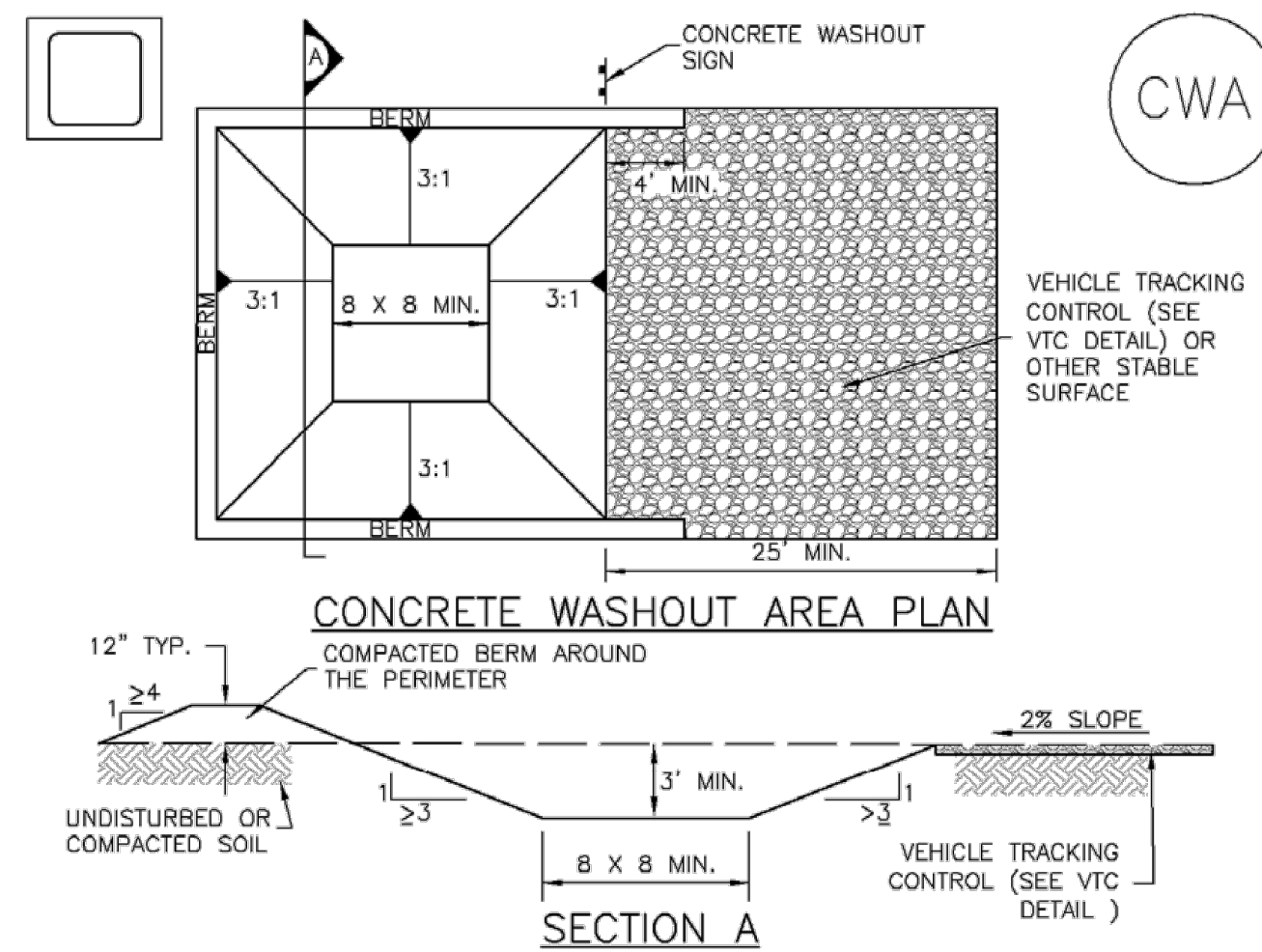
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CHALLENGER HOMES

Concrete Washout Area (CWA) MM-1



CWA-1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 -CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

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MM-1 Concrete Washout Area (CWA)

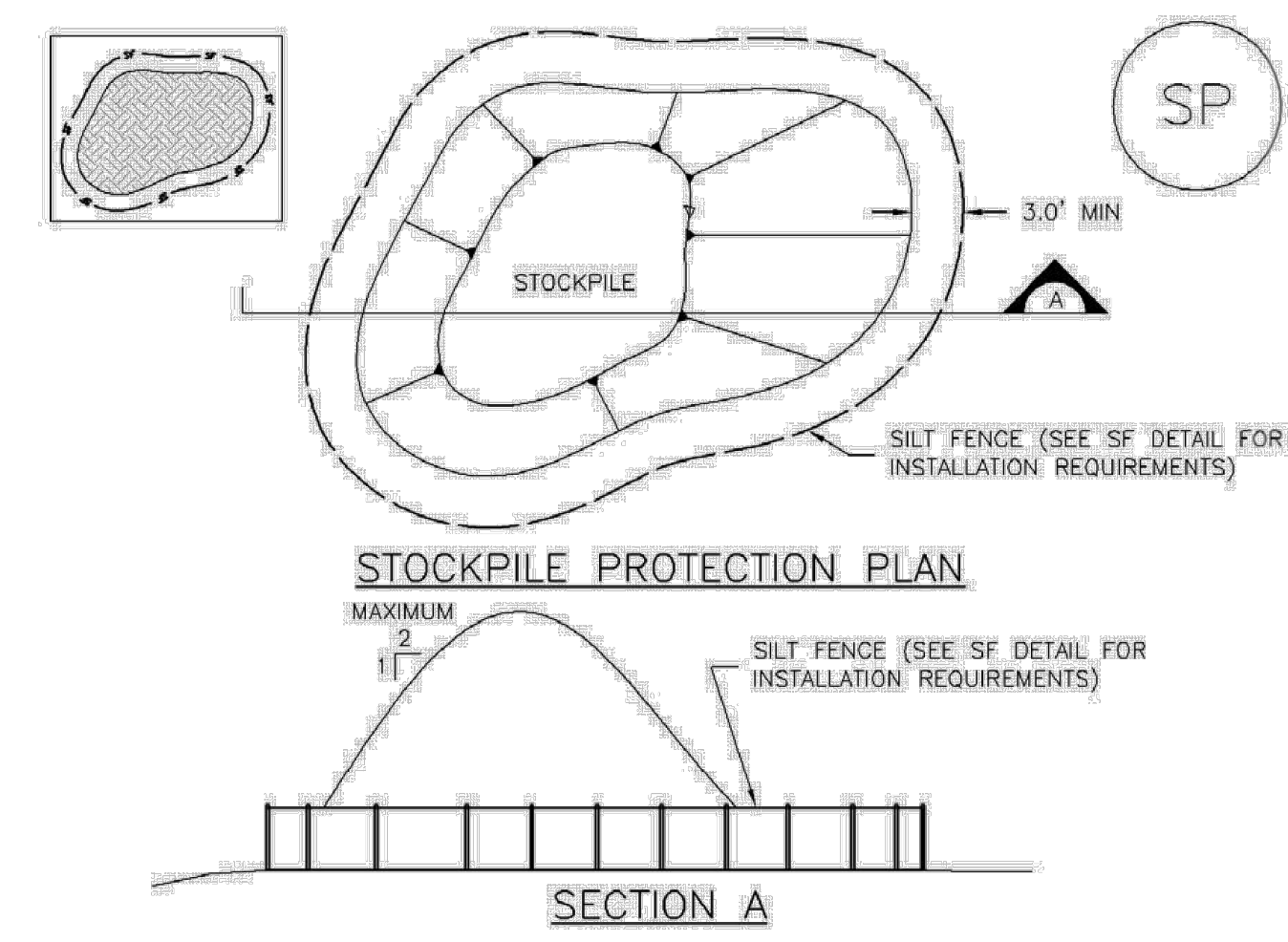
CWA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD).
 NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CWA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Stockpile Management (SP) MM-2



SP-1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 -LOCATION OF STOCKPILES
 -TYPE OF STOCKPILE PROTECTION.
2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.
3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

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**FINAL GRADING & EROSION CONTROL PLANS
 BENT GRASS RESIDENTIAL FILING NO. 2
 FOR
 CHALLENGER COMMUNITIES, LLC.
 BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
 FALCON, CO 80831 - EL PASO COUNTY**

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GRADING & EROSION CONTROL DETAILS

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FINAL GRADING & EROSION CONTROL PLANS
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BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

MM-2 Stockpile Management (SM)

STOCKPILE PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

STOCKPILE PROTECTION MAINTENANCE NOTES

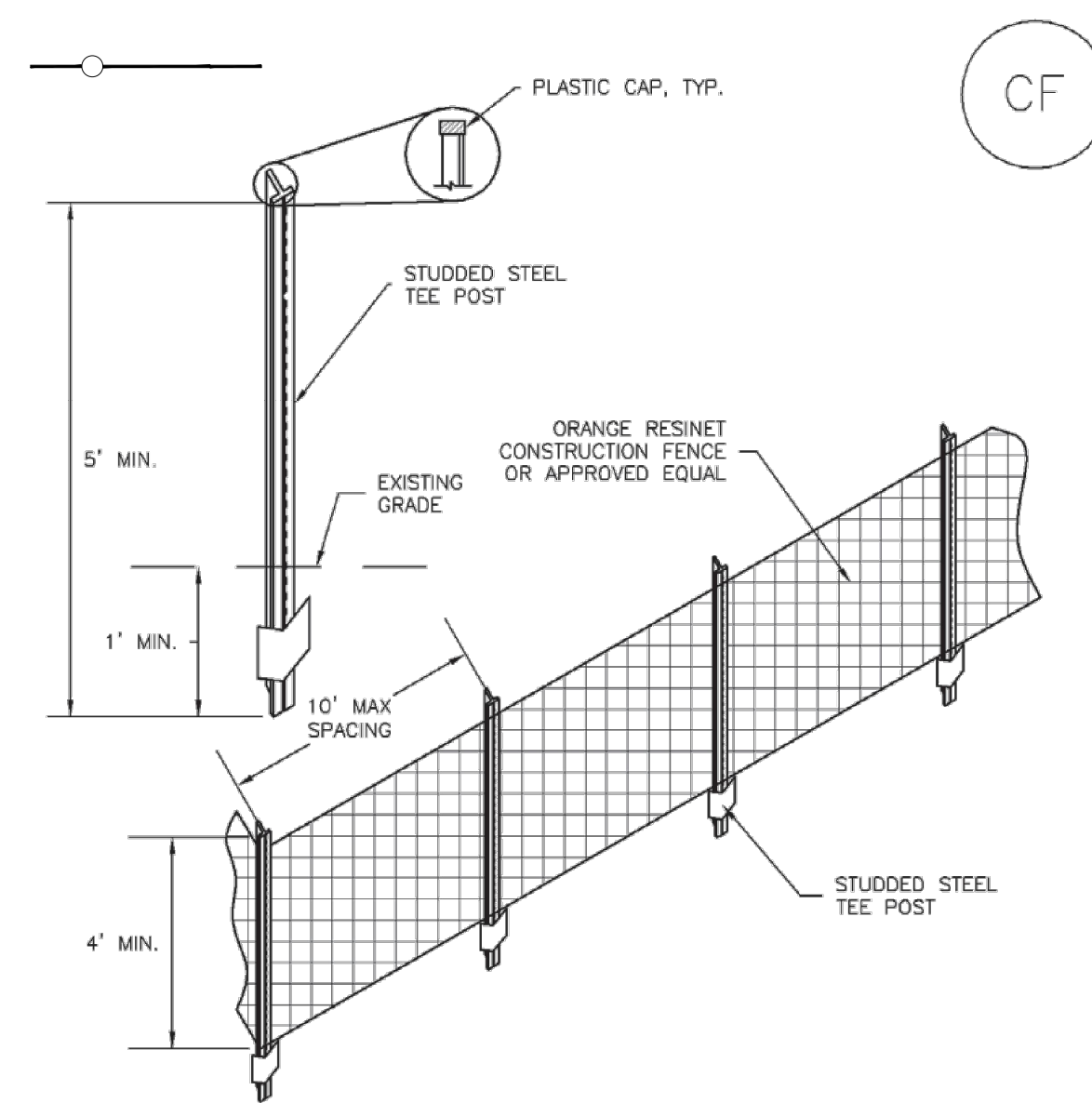
4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.
5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

(DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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Urban Storm Drainage Criteria Manual Volume 3

SM-3 Construction Fence (CF)



CF-1. PLASTIC MESH CONSTRUCTION FENCE

CONSTRUCTION FENCE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
-LOCATION OF CONSTRUCTION FENCE.
2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR-GRADE MATERIAL THAT IS AT LEAST 4' HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.
4. STUDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.
5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

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Construction Fence (CF) SM-3

CONSTRUCTION FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
5. WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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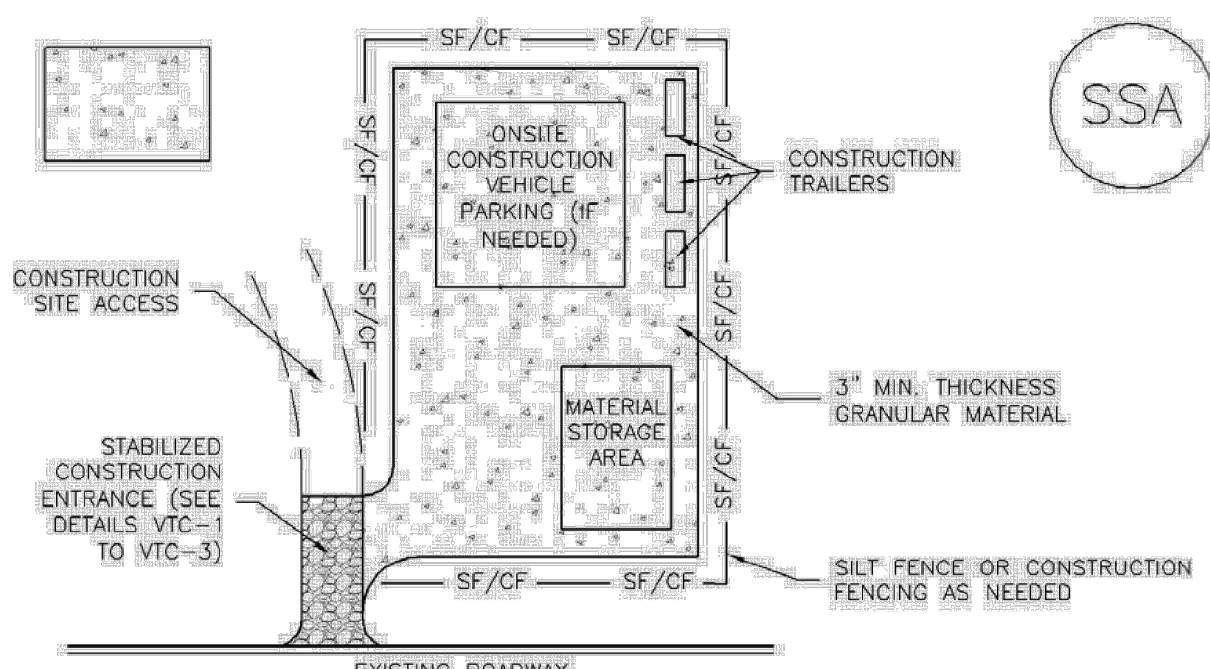
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Stabilized Staging Area (SSA) SM-6



SSA-1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATION OF STAGING AREAS;
 - CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION;
2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

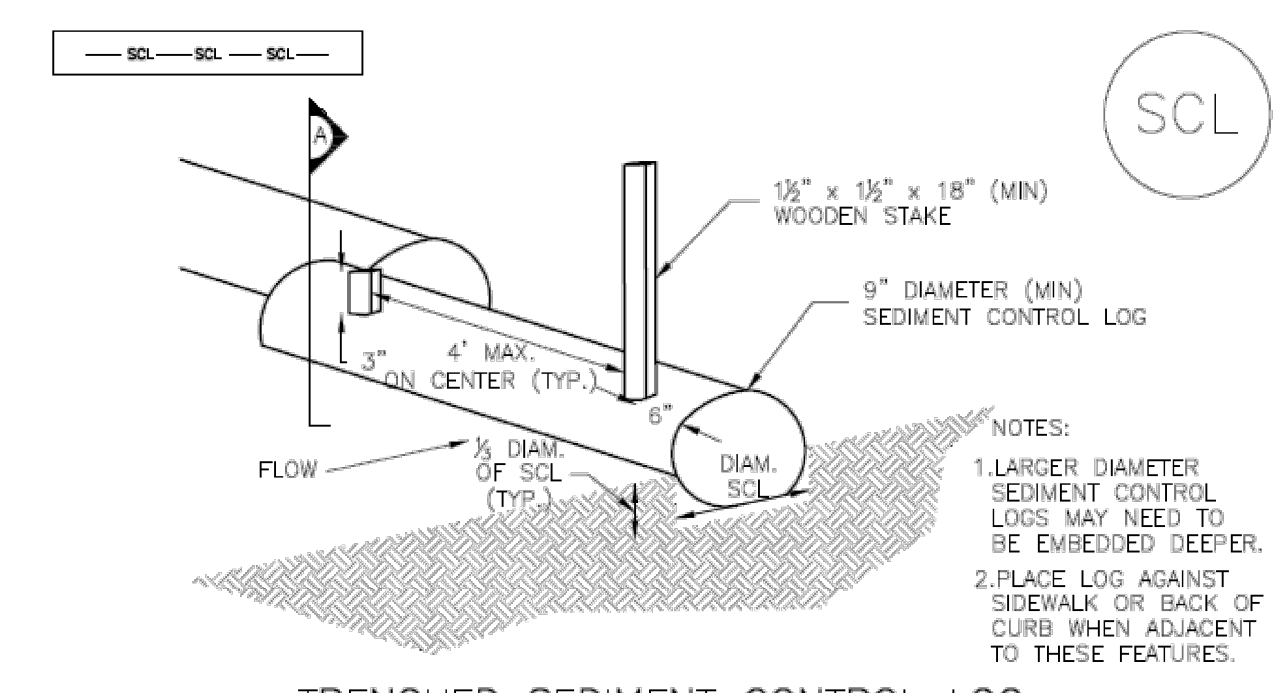
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2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

SM-6 Stabilized Staging Area (SSA)

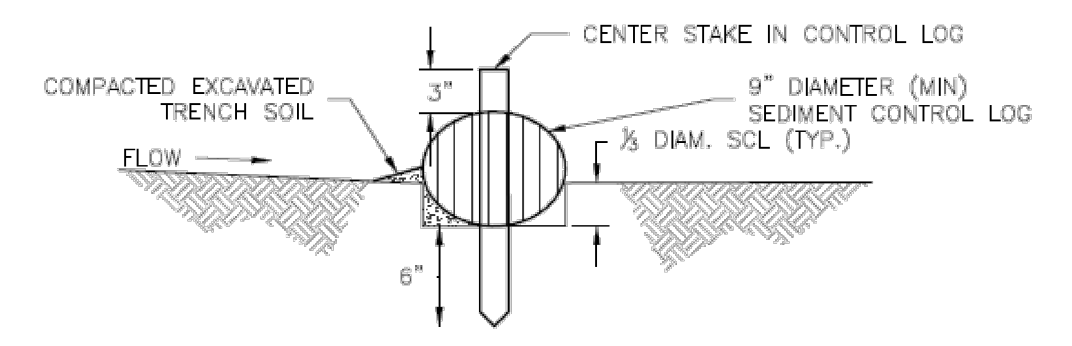
STABILIZED STAGING AREA MAINTENANCE NOTES

5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION; THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS; CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

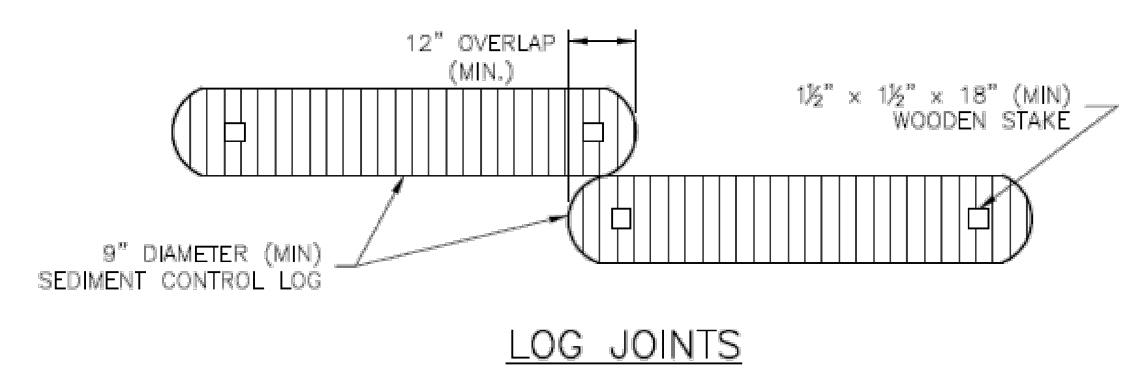
Sediment Control Log (SCL) SC-2



TRENCHED SEDIMENT CONTROL LOG



TRENCHED SEDIMENT CONTROL LOG SECTION A



SCL-1. TRENCHED SEDIMENT CONTROL LOG



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FINAL GRADING & EROSION CONTROL PLANS
BENT GRASS RESIDENTIAL FILING NO. 2
FOR
CHALLENGER COMMUNITIES, LLC.
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

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Project No: CLH000014.20
Drawn By: JDP
Checked By: RGD
Date: 4/17/2020

GRADING & EROSION CONTROL DETAILS
SF1914
5/13/2020