

EPC STORMWATER REVIEW COMMENTS ARE SHOWN IN ORANGE BOXES WITH BLACK TEXT

Change title to differentiate from existing Filing 2 construction documents

THE LANDINGS OF DENMARK FILING NO. 2 COUNTY OF EL PASO, STATE OF COLORADO CONSTRUCTION PLANS

JANUARY, 2005

update

AGENCIES:

DEVELOPER
CHARLES M. MCALLISTER
PO BOX 6797
COLORADO SPRINGS, CO 80934
(719) 338-5223

Change to:
Review Agency

CIVIL ENGINEER
PREMIER ENGINEERING, INC
2110 VICKERS DRIVE
COLORADO SPRINGS, COLORADO 80918
JEFFREY C. JUREW, P.E.
(719) 598-6951

UPDATED BY:
M.V.E., INC.
1903 LELARAY STREET, SUITE 200
COLORADO SPRINGS, CO 80910
(719) 635-5736

Change to:
El Paso County Development Services
Department
2880 International Circle
Colorado Springs, CO 80910
(719) 520-6300

ENGINEERING DIVISION
EL PASO COUNTY
DEPARTMENT OF TRANSPORTATION
3480 MARKSHEFFEL ROAD
COLORADO SPRINGS, COLORADO 80922
MR. PAUL DANLEY, P.E. (719) 520-6837

SHEET INDEX

PLAN SET SHEET NO.	SHEET TITLE	MVE DRAWING NO.
1 OF 4	COVER SHEET, DETAILS, NOTES & APPROVALS	CON-CS
2 OF 4	BYRD COURT PLAN & PROFILE	CON-PP1
3 OF 4	O'STEEN COURT PLAN & PROFILE	CON-PP2
4 OF 4	CONSTRUCTION DETAILS	CON-CD

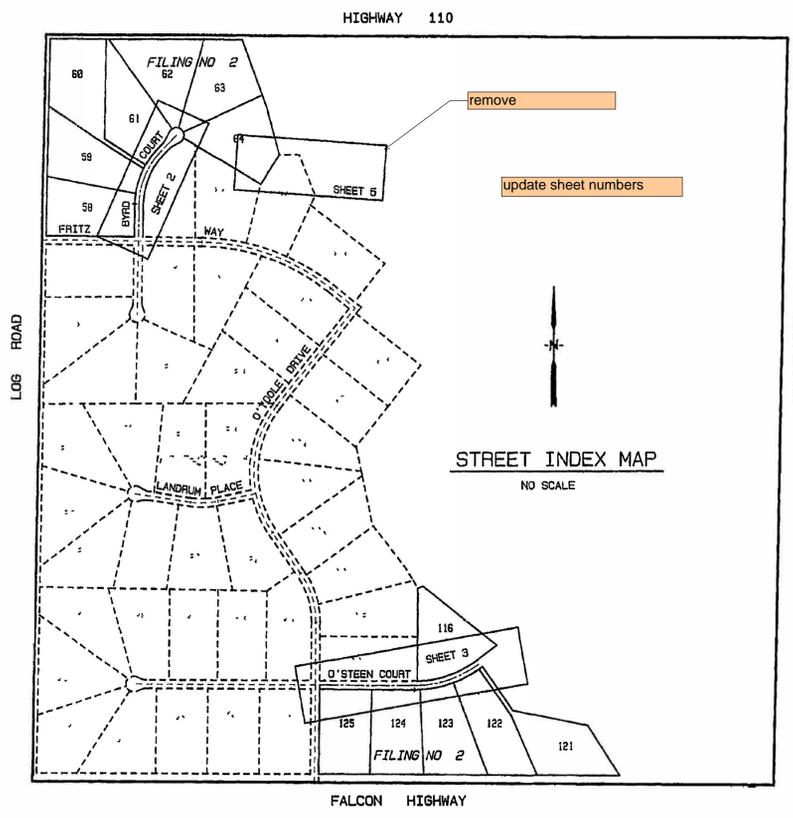
ELECTRIC DIVISION
MOUNTAINVIEW ELECTRIC ASSOCIATION
11140 E WOODMEN ROAD
FALCON, COLORADO 80831
(719) 495-2283

TELEPHONE COMPANY
U S WEST COMMUNICATIONS
(LOCATIONS) (800) 922-1987
A T & T
(LOCATIONS) (719) 636-3674

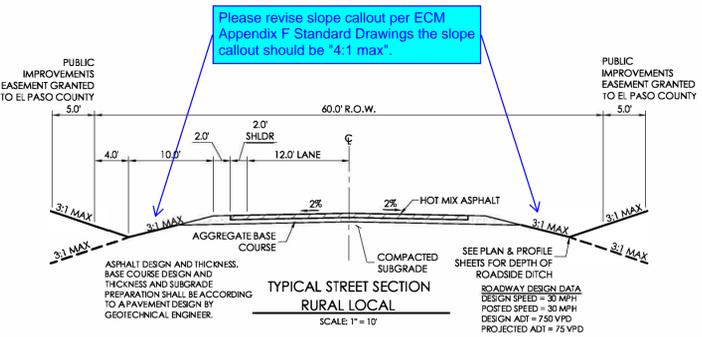
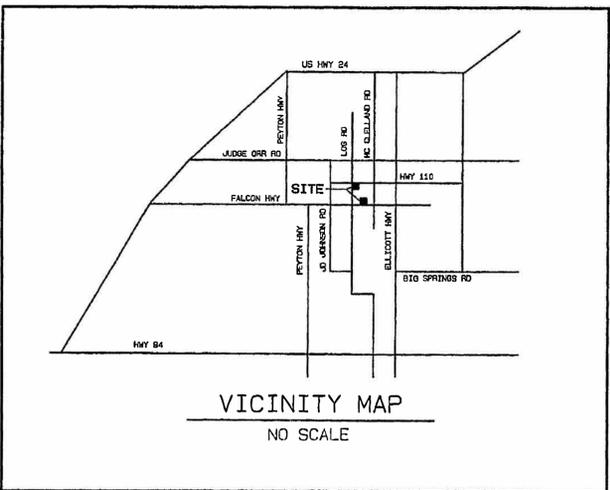
LEGEND

- STRAW BALE DIKE
- STRAW BALE CHECK DAM
- SILT FENCE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- ROCK RIPRAP EROSION PROTECTION
- ROCK RIPRAP ENERGY DISSIPATOR SEE DETAIL SHEET 4 OF 5

remove



Include basis of bearings and benchmark



Please revise slope callout per ECM Appendix F Standard Drawings the slope callout should be "4:1 max".

Please remove "Jennifer Irvine, P.E." and replace with "Joshua Palmer, P.E."

GENERAL NOTES

- ALL NEW CONSTRUCTION IS TO CONFORM TO THE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN DRAWN FROM AVAILABLE RECORDS AND/OR SURFACE EVIDENCE. THE LOCATION OF ALL UTILITIES MAY NOT BE SHOWN OR MAY NOT HAVE BEEN LOCATED. BELOW GROUND LOCATIONS HAVE NOT BEEN PERFORMED. THEREFORE, THE RELATIONSHIP BETWEEN PROPOSED WORK AND EXISTING FACILITIES, STRUCTURES AND UTILITIES MUST BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL SUBSURFACE UTILITY OWNERS PRIOR TO BEGINNING WORK TO DETERMINE LOCATION OF UTILITY FACILITIES. ALL UTILITIES SHALL BE LOCATED PRIOR TO ANY EARTH WORK OR DIGGING (1-800-922-1987). THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR. DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- SOIL PREPARATION, SEEDING, AND MULCHING FOR AN ESTIMATED 3.3 ACRES WILL BE REQUIRED ON ALL DISTURBED AREAS NOT SURFACED. THE FOLLOWING TYPES AND RATES SHALL BE USED:

GRASS	VARIETY	AMOUNT IN PLS. LB. PER ACRE
DECAIS GRAMA	EL RENO	3.0 Lbs.
WESTERN WHEATGRASS	BARION	2.5 Lbs.
SLENDER WHEAT GRASS	NATIVE	2.0 Lbs.
LITTLE BLUESTEM	PASURA	2.0 Lbs.
SAND DROPSPEED	NATIVE	0.5 Lbs.
SWITCH GRASS	NEBRASKA 28	3.0 Lbs.
WEeping LOVE GRASS	MORPHA	1.0 Lbs.
	TOTAL	14.0 Lbs.
- SEEDING APPLICATION: DRILLED TO A DEPTH OF .25" TO .50" INTO SOIL WHERE POSSIBLE. BROADCAST AND RAKED TO COVER ON STEEPER THAN 3:1 SLOPES WHERE ACCESS IS LIMITED OR UNSAFE FOR EQUIPMENT.
- MULCHING REQUIREMENT AND APPLICATION: 2.0 TONS PER ACRE NATIVE MAT MECHANICALLY CRIMPED INTO SOIL.
- ALL STORM DRAIN SHALL BE REINFORCED CONCRETE PIPE. ALL CULVERTS SHALL BE PLACED COMPLETE WITH FLARED END SECTIONS. ALL STORM DRAIN FITTINGS AND BENDS SHALL BE PRE-CAST. STORM DRAIN PIPE MAY ALSO BE CORRUGATED METAL OR HDPE, PLACED IN ACCORDANCE WITH EL PASO COUNTY SPECIFICATIONS.
- CONTRACTOR WILL BE RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION MEETING HELD PRIOR TO CONSTRUCTION WITH EPC-PCD, ENGINEER, AND CONTRACTOR IN ATTENDANCE.
- CONTRACTOR IS RESPONSIBLE FOR ALL OF HIS OPERATIONS ON THE SITE. CONTRACTOR SHALL OBSERVE ALL SAFETY AND OSHA REGULATIONS DURING CONSTRUCTION OPERATIONS. TRENCH WIDTHS AND SLOPE ANGLES SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD AND ACCORDING TO SAFETY AND OSHA REGULATIONS.
- ALL NECESSARY PERMITS, SUCH AS SWMP, FUGITIVE DUST, ACCESS, C.O.E. 404, ESQCP PERMIT, ETC. SHALL BE OBTAINED PRIOR TO CONSTRUCTION.

STANDARD EL PASO COUNTY CONSTRUCTION PLAN NOTES

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (JUNCC).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES. INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. (IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.)
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

PCD. Also, all pipes are shown as HDPE

DPW

ROW

DEVELOPER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

PHIL HOWERTON
THE LANDINGS OF DENMARK, LLC
935 N. MURRAY BLVD.
COLORADO SPRINGS, CO 80831

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

DAVID R. GORMAN, P.E. COLORADO NO. 31672 DATE
FOR AND ON BEHALF OF M.V.E., INC.

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
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 ECM 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/ECM ADMINISTRATOR DATE

remove

THE LANDINGS OF DENMARK FILING NO
CONSTRUCTION PLANS
DATE OF PREPARATION 01/04/05

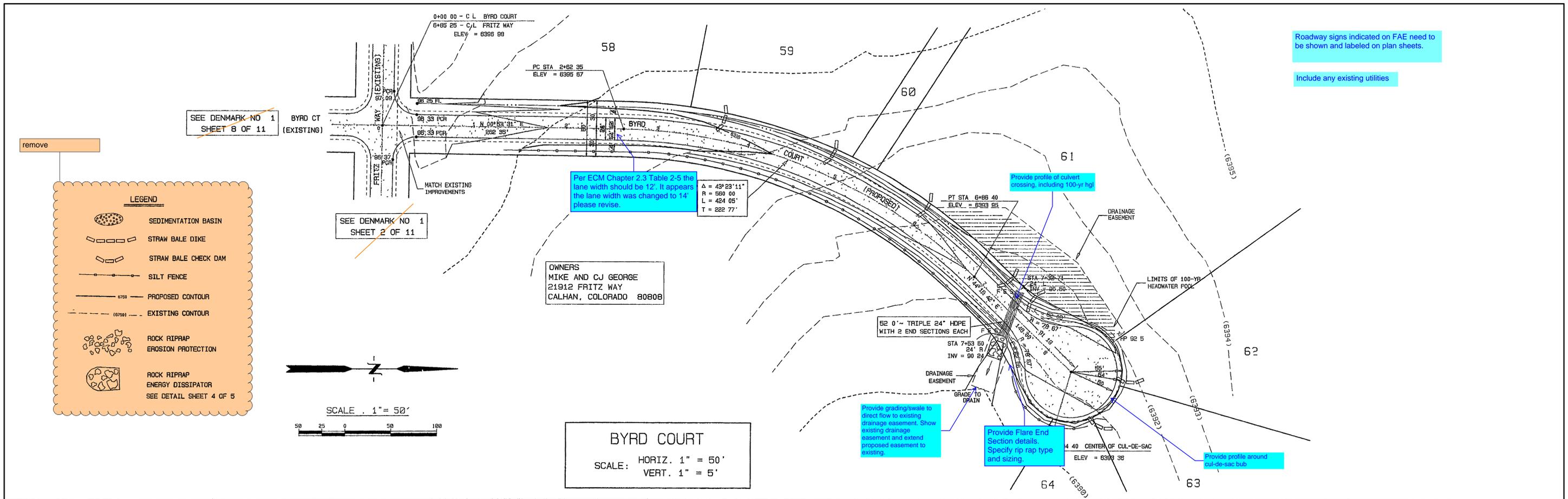
SHEET 1 OF 4

CALL BEFORE YOU DIG... 1-800-922-1987

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS FOR LOCATING AND MARKING GAS, ELECTRIC, WATER AND WASTEWATER

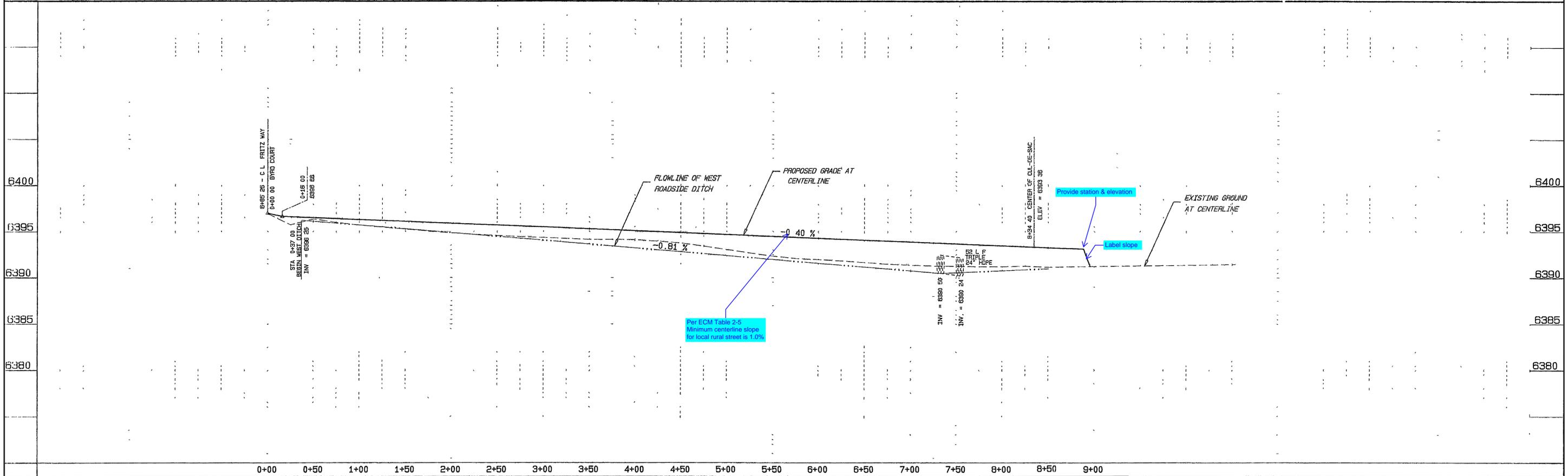
Please add "PCD File No. CDR-22-012"

TITLE: CONSTRUCTION_PLAN COVER_SHEET	UPDATED BY: MONUMENT VALLEY ENGINEERS INC.	PREMIER ENGINEERING, INC. Professional Civil Engineers 2110 Vickers Drive Colorado Springs, CO 80918 (719) 598 6951 PremierEng@aol.com
DRAWING NO. CON-CS	ENGINEERS + SURVEYORS 1903 LELARAY STREET, SUITE 200 COLORADO SPRINGS, CO 80909 Phone (719) 635-5736 Fax (719) 635-5450 E-mail mve@mvecivil.com	
MVE PROJ. NO. 61108		
DRAWN: WCC		
ENGINEER: DRG		
CHECKED:		



Roadway signs indicated on FAE need to be shown and labeled on plan sheets.

Include any existing utilities



STATEMENT THE COUNTY OF EL PASO RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE COUNTY HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY. RESUBMITTAL REQUIRED IF CONSTRUCTION HAS NOT COMMENCED WITHIN 180 DAYS AFTER REVIEW DATE.	REVIEW	DESIGN DATA	TITLE: CONSTRUCTION PLAN PLAN_& PROFILE DRAWING NO. CON-PP1 MVE PROJ. NO. 61108 DRAWN: MCG ENGINEER: DRG CHECKED:	UPDATED BY: MONUMENT VALLEY ENGINEERS INC. ENGINEERS & SURVEYORS 1903 LELARAY STREET, SUITE 200 COLORADO SPRINGS, CO 80909 Phone (719) 635-5736 Fax (719) 635-5450 E-mail mve@mvectil.com	PROJECT: ROAD CONSTRUCTION PLANS BYRD COURT SUBDIVISION: THE LANDINGS AT DENMARK FILING NO. 2 DRAINAGE BASIN: JOB NO. 61108 SHEET 2 OF 4
	UTILITY GRADE _____ DATE _____ CURB & GUTTER _____ DATE _____ PAVEMENT DESIGN _____ DATE _____ DRAINAGE DESIGN _____ DATE _____ FILED IN ACCORDANCE WITH THE CODE OF EL PASO COUNTY AS AMENDED _____ DATE _____	DESIGN SPEED = 30 MPH SIDEWALKS WIDTH _____ LOCATIONS Attached <input type="checkbox"/> Detached, 6" from P/L <input type="checkbox"/> ASPHALT THICKNESS AC Surface _____ AC Base _____ AGG BASE THICKNESS Class 6 _____ Class 5 _____ Class 2 _____			

remove

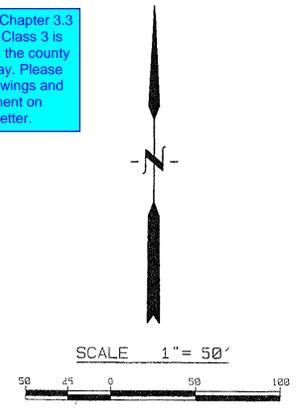
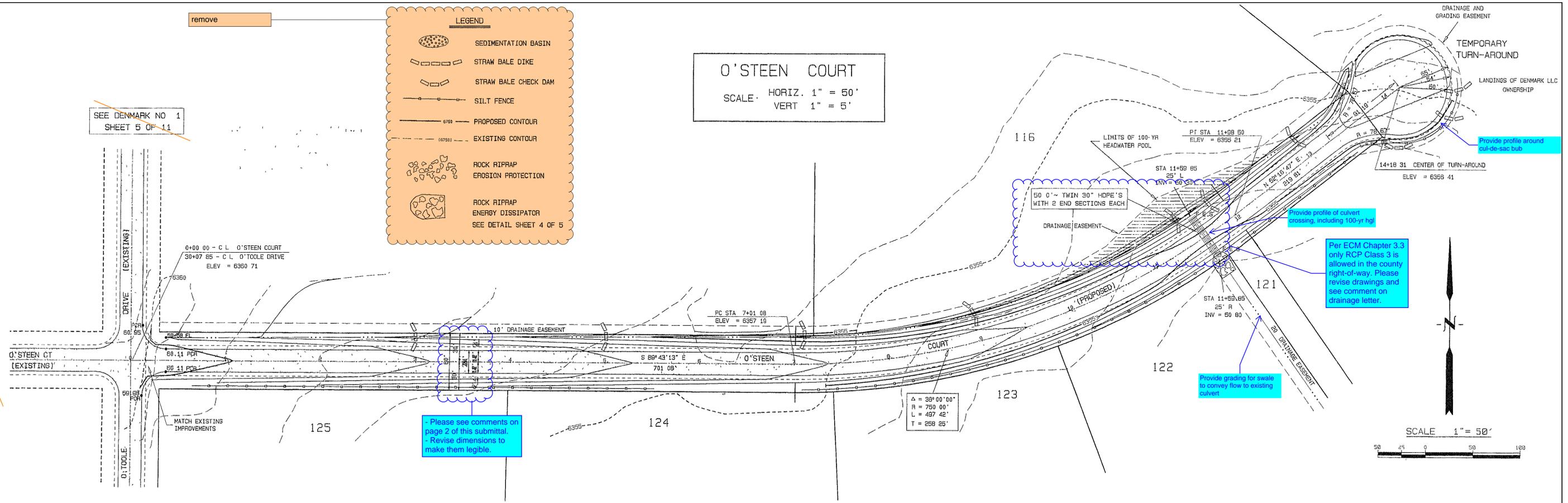
LEGEND

- SEDIMENTATION BASIN
- STRAW BALE DIKE
- STRAW BALE CHECK DAM
- SILT FENCE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- ROCK RIPRAP EROSION PROTECTION
- ROCK RIPRAP ENERGY DISSIPATOR SEE DETAIL SHEET 4 OF 5

O'STEEN COURT
 SCALE: HORIZ. 1" = 50'
 VERT 1" = 5'

SEE DENMARK NO 1 SHEET 5 OF 11

SEE DENMARK NO 1 SHEET 7 OF 11



Please see comments on page 2 of this submittal. Revise dimensions to make them legible.

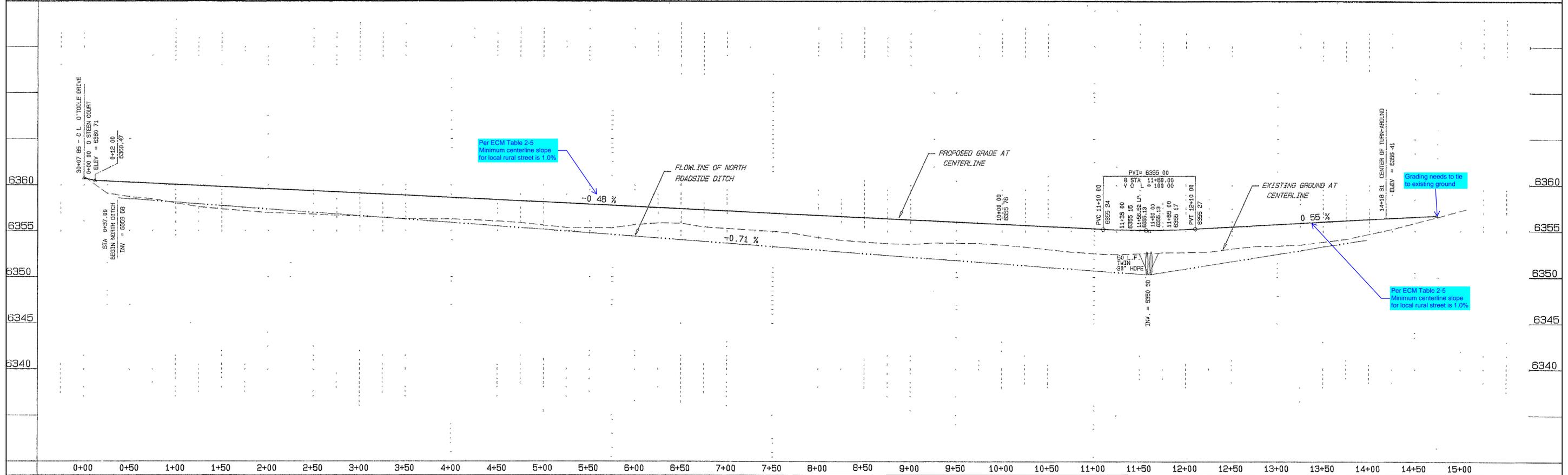
50' 0" TWIN 30" HDPE'S WITH 2 END SECTIONS EACH

Per ECM Chapter 3.3 only RCP Class 3 is allowed in the county right-of-way. Please revise drawings and see comment on drainage letter.

Provide grading for swale to convey flow to existing culvert

Provide profile around cul-de-sac but

Provide profile of culvert crossing, including 100-yr hgt



Per ECM Table 2-5 Minimum centerline slope for local rural street is 1.0%

Grading needs to tie to existing ground

Per ECM Table 2-5 Minimum centerline slope for local rural street is 1.0%

STATEMENT
 THE COUNTY OF EL PASO RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE COUNTY HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY. RESUBMITTAL REQUIRED IF CONSTRUCTION HAS NOT COMMENCED WITHIN 180 DAYS AFTER REVIEW DATE.

REVIEW

UTILITY GRADE	_____	DATE	_____
CURB & GUTTER	_____	DATE	_____
PAVEMENT DESIGN	_____	DATE	_____
DRAINAGE DESIGN	_____	DATE	_____
FILED IN ACCORDANCE WITH THE CODE OF EL PASO COUNTY AS AMENDED	_____	DATE	_____

DESIGN DATA

DESIGN SPEED = 30 MPH

SIDEWALKS	WIDTH	_____	ASPHALT THICKNESS	_____
LOCATIONS	Attached	<input type="checkbox"/>	AC Surface	_____
	Detached, 6" from P/L	<input type="checkbox"/>	AC Base	_____
			AGG BASE THICKNESS	_____
CURB TYPE	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>		Class 6	_____
R/W WIDTH	60	EOA-EOA	Class 5	_____
STREET TYPE	RES	HVEEM	Class 2	_____

TITLE: CONSTRUCTION PLAN & PROFILE

DRAWING NO. CON-PP2

MVE PROJ. NO. 61108

DRAWN: WCG
 ENGINEER: DRG
 CHECKED: _____

UPDATED BY: MONUMENT VALLEY ENGINEERS INC.

1903 LELARAY STREET, SUITE 200
 COLORADO SPRINGS, CO 80909
 Phone (719) 635-5736
 Fax (719) 635-5450
 E-mail mve@mcvll.com

PREMIER ENGINEERING, INC.
 Professional Civil Engineers

2110 Vickers Drive
 Colorado Springs, CO 80918
 (719) 598 6951
 PremierEng@aol.com

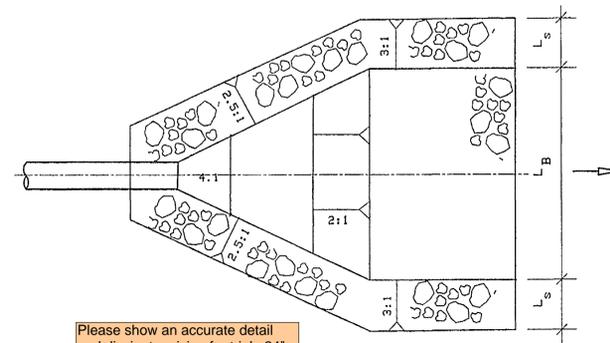
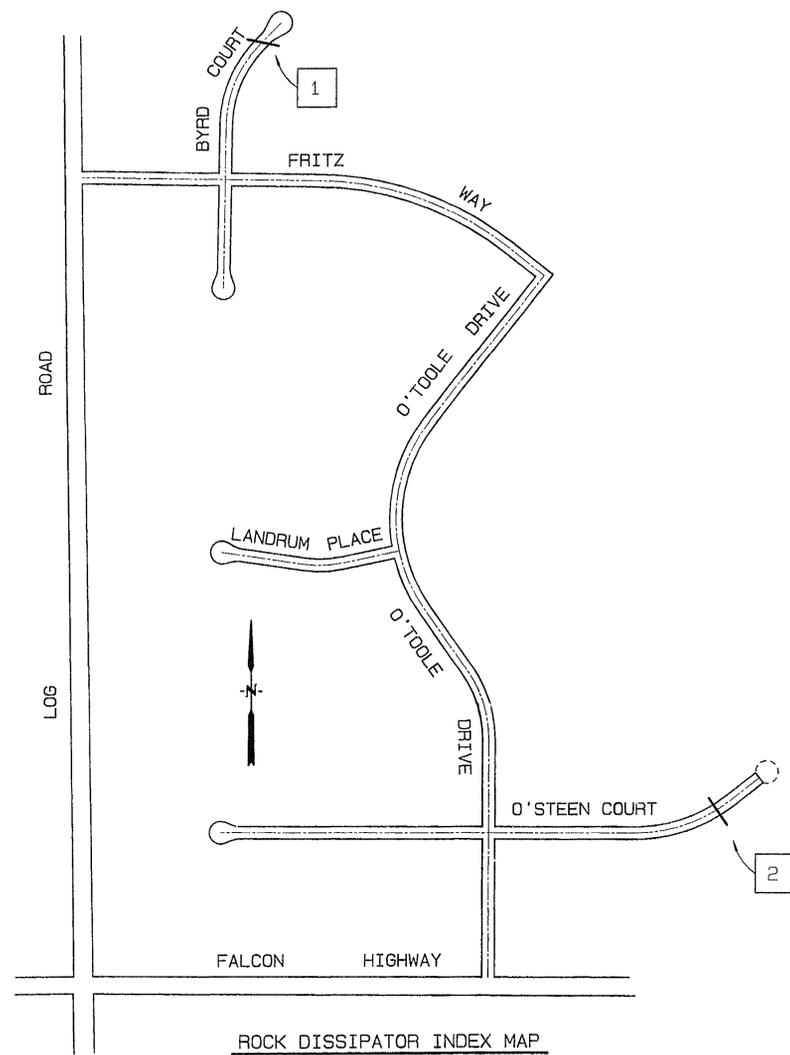
PROJECT: ROAD CONSTRUCTION PLANS

O'STEEN COURT

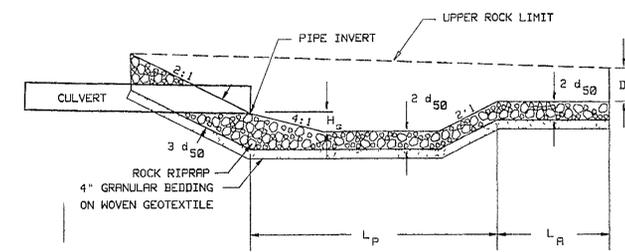
SUBDIVISION: THE LANDINGS AT DENMARK FILING NO. 2

DRAINAGE BASIN: _____

JOB NO. 61108 SHEET 3 OF 4



Please show an accurate detail and dissipator sizing for triple 24" pipe and double 30" pipe



ROCK RIPRAP ENERGY DISSIPATOR DETAIL
NOT TO SCALE

ROCK RIPRAP ENERGY DISSIPATOR SUMMARY TABLE							
NO	PIPE DIA	L _p	L _A	L _B	L _S	H _s	d ₅₀
1	24"	10	5	14	6	1.0	9"
2	30"	10	5	16	6	1.0	9"

Provide riprap gradation table and note that CDOT Section 506 Requirements apply.

SHEET 4 OF 4

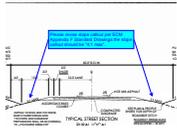
THE LANDINGS OF DENMARK
FILING NO. 2
DETAIL SHEET

TITLE: CONSTRUCTION PLAN DETAILS	UPDATED BY: MONUMENT VALLEY ENGINEERS INC.
DRAWING NO. CON-CD	ENGINEERS • SURVEYORS 1903 LELARAY STREET, SUITE 200 COLORADO SPRINGS, CO 80909 Phone (719) 635-5736 Fax (719) 635-5450 E-mail: mve@mvecivil.com
MVE PROJ. NO. 61108	
DRAWN: WCG	
ENGINEER: DRG	
CHECKED:	

PREMIER ENGINEERING, INC.
Professional Civil Engineers
2110 Vickers Drive
Colorado Springs, CO 80918
(719) 598 6951
PremierEng@aol.com

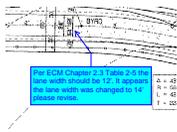
Construction Drawings (PlansProfiles)_v1.pdf Markup Summary

Callout (15)



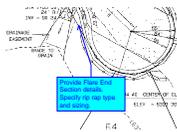
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Page Label:
Author: Carlos
Date: 9/12/2022 9:00:09 AM
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Color: ■
Layer:
Space:

Please revise slope callout per ECM Appendix F Standard Drawings the slope callout should be "4:1 max".



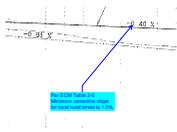
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Per ECM Chapter 2.3 Table 2-5 the lane width should be 12'. It appears the lane width was changed to 14' please revise.



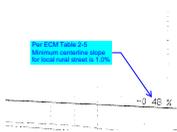
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Author: Carlos
Date: 9/14/2022 10:26:18 AM
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Provide Flare End Section details. Specify rip rap type and sizing.



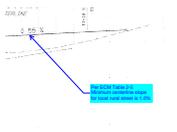
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Author: CDurham
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Per ECM Table 2-5 Minimum centerline slope for local rural street is 1.0%



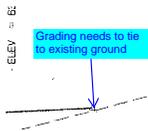
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Space:

Per ECM Table 2-5 Minimum centerline slope for local rural street is 1.0%



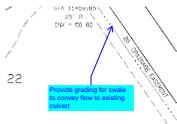
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Per ECM Table 2-5 Minimum centerline slope for local rural street is 1.0%



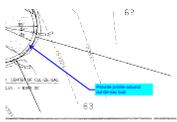
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Author: CDurham
Date: 9/15/2022 10:06:38 AM
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Grading needs to tie to existing ground



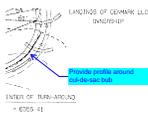
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Author: CDurham
Date: 9/15/2022 10:09:49 AM
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Space:

Provide grading for swale to convey flow to existing culvert



Subject: Callout
Page Label:
Author: CDurham
Date: 9/15/2022 10:13:11 AM
Status:
Color: ■
Layer:
Space:

Provide profile around cul-de-sac bub



Subject: Callout
Page Label:
Author: CDurham
Date: 9/15/2022 10:13:29 AM
Status:
Color: ■
Layer:
Space:

Provide profile around cul-de-sac bub



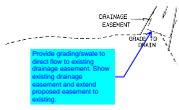
Subject: Callout
Page Label:
Author: CDurham
Date: 9/15/2022 10:14:41 AM
Status:
Color: ■
Layer:
Space:

Provide profile of culvert crossing, including 100-yr hgl



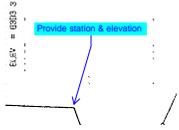
Subject: Callout
Page Label:
Author: CDurham
Date: 9/15/2022 10:15:02 AM
Status:
Color: ■
Layer:
Space:

Provide profile of culvert crossing, including 100-yr hgl



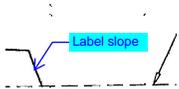
Subject: Callout
Page Label:
Author: CDurham
Date: 9/15/2022 9:57:21 AM
Status:
Color: ■
Layer:
Space:

Provide grading/swale to direct flow to existing drainage easement. Show existing drainage easement and extend proposed easement to existing.



Subject: Callout
Page Label:
Author: CDurham
Date: 9/15/2022 9:57:44 AM
Status:
Color: ■
Layer:
Space:

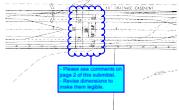
Provide station & elevation



Subject: Callout
Page Label:
Author: CDurham
Date: 9/15/2022 9:58:10 AM
Status:
Color: ■
Layer:
Space:

Label slope

Cloud+ (3)



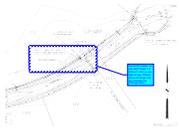
Subject: Cloud+
Page Label:
Author: Carlos
Date: 9/12/2022 9:33:46 AM
Status:
Color: ■
Layer:
Space:

- Please see comments on page 2 of this submittal.
 - Revise dimensions to make them legible.



Subject: Cloud+
Page Label:
Author: Carlos
Date: 9/14/2022 10:21:57 AM
Status:
Color: ■
Layer:
Space:

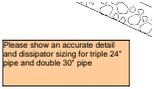
Please remove "Jennifer Irvine, P.E." and replace with "Joshua Palmer, P.E."



Subject: Cloud+
Page Label:
Author: Carlos
Date: 9/14/2022 10:27:40 AM
Status:
Color: ■
Layer:
Space:

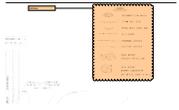
Per ECM Chapter 3.3 only RCP Class 3 is allowed in the county right-of-way. Please revise drawings and see comment on drainage letter.

Engineer (16)



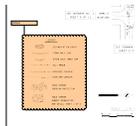
Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:46:46 PM
Status:
Color: ■
Layer:
Space:

Please show an accurate detail and dissipator sizing for triple 24" pipe and double 30" pipe



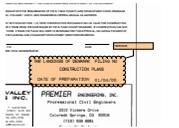
Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:47:39 PM
Status:
Color: ■
Layer:
Space:

remove



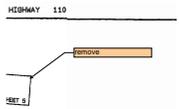
Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:48:00 PM
Status:
Color: ■
Layer:
Space:

remove



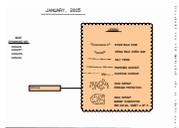
Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:48:20 PM
Status:
Color: ■
Layer:
Space:

remove



Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:48:32 PM
Status:
Color: ■
Layer:
Space:

remove



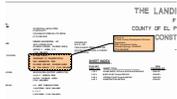
Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:48:43 PM
Status:
Color: ■
Layer:
Space:

remove



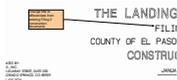
Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:48:52 PM
Status:
Color: ■
Layer:
Space:

Change to:
 Review Agency



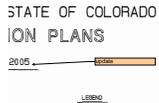
Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:49:01 PM
Status:
Color: ■
Layer:
Space:

Change to:
 El Paso County Development Services
 Department
 2880 International Circle
 Colorado Springs, CO 80910
 (719) 520-6300



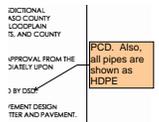
Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:49:13 PM
Status:
Color: ■
Layer:
Space:

Change title to differentiate from existing Filing 2
 construction documents



Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:49:20 PM
Status:
Color: ■
Layer:
Space:

update



Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:49:42 PM
Status:
Color: ■
Layer:
Space:

PCD. Also, all pipes are shown as HDPE



Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:49:50 PM
Status:
Color: ■
Layer:
Space:

DPW

FIELD CONSTRUCTION ACCESS POINTS
 BE PROVIDED AT ALL INTERSECTIONS.
 AGENCY AGENCY WORK SHALL BE MAINTAINED
 TO CDOT AND METRO CDOT. IF APPLICABLE, SEE
 CDOT COUNTY DOT, INCLUDING WORK WITHIN
 ROW.

Subject: Engineer
Page Label: ROW
Author: dotprete
Date: 9/12/2022 12:49:58 PM
Status:
Color: ■
Layer:
Space:

ROW

BY EL PASO COUNTY DC
 IS.
 THE PROPERTY LINE UNLESS
 INDICATED OTHERWISE. WITH
 CONSTRUCTION AND EASEMENTS, WITH
 DISTURBANCE, GRADE

Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:50:08 PM
Status:
Color: ■
Layer:
Space:

NO.	PERCENT	STANDARD	GRADATION
1	24	11	14
2	24	11	14

Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 12:52:18 PM
Status:
Color: ■
Layer:
Space:

Provide riprap gradation table and note that CDOT Section 506 Requirements apply.

update sheet numbers

Subject: Engineer
Page Label:
Author: dotprete
Date: 9/12/2022 8:18:28 AM
Status:
Color: ■
Layer:
Space:

update sheet numbers

Line (4)

SEE DENMARK NO. 1
 SHEET 5 OF 11

Subject: Line
Page Label:
Author: dotprete
Date: 9/12/2022 12:47:27 PM
Status:
Color: ■
Layer:
Space:

SEE DENMARK NO. 1
 SHEET 5 OF 11

Subject: Line
Page Label:
Author: dotprete
Date: 9/12/2022 12:47:31 PM
Status:
Color: ■
Layer:
Space:

SEE DENMARK NO 1
SHEET 8 OF 11

Subject: Line
Page Label:
Author: dotprete
Date: 9/12/2022 12:48:01 PM
Status:
Color: ■
Layer:
Space:

SEE DENMARK NO 1
SHEET 2 OF 11

Subject: Line
Page Label:
Author: dotprete
Date: 9/12/2022 12:48:05 PM
Status:
Color: ■
Layer:
Space:

Stormwater Comments Color (1)

AGENCIES:
INCLUDE

CHARLES M. MC
PO BOX 677
COLORADO SPR
70901-0677

Subject: Stormwater Comments Color
Page Label:
Author: dotprete
Date: 9/12/2022 12:50:27 PM
Status:
Color: ■
Layer:
Space:

Text Box (4)

ROADWAY SIGNS

ROADWAY SIGNS INDICATED ON FAE NEED TO BE SHOWN AND LABELED ON PLAN SHEETS

Subject: Text Box
Page Label:
Author: Carlos
Date: 9/12/2022 8:57:51 AM
Status:
Color: ■
Layer:
Space:

Please add "PCD File No. CDR-22-012"

HC09447

Include basis of bearings and benchmark

Subject: Text Box
Page Label:
Author: CDurham
Date: 9/15/2022 10:12:00 AM
Status:
Color: ■
Layer:
Space:

Include basis of bearings and benchmark

Roadway signs indicated on FAE need to be shown and labeled on plan sheets.

Subject: Text Box
Page Label:
Author: CDurham
Date: 9/15/2022 10:20:34 AM
Status:
Color: ■
Layer:
Space:

Roadway signs indicated on FAE need to be shown and labeled on plan sheets.

Subject: Text Box

Page Label:

Include any existing utilities

Include any existing utilities

Author: CDurham

Date: 9/15/2022 10:23:03 AM

Status:

Color: ■

Layer:

Space: