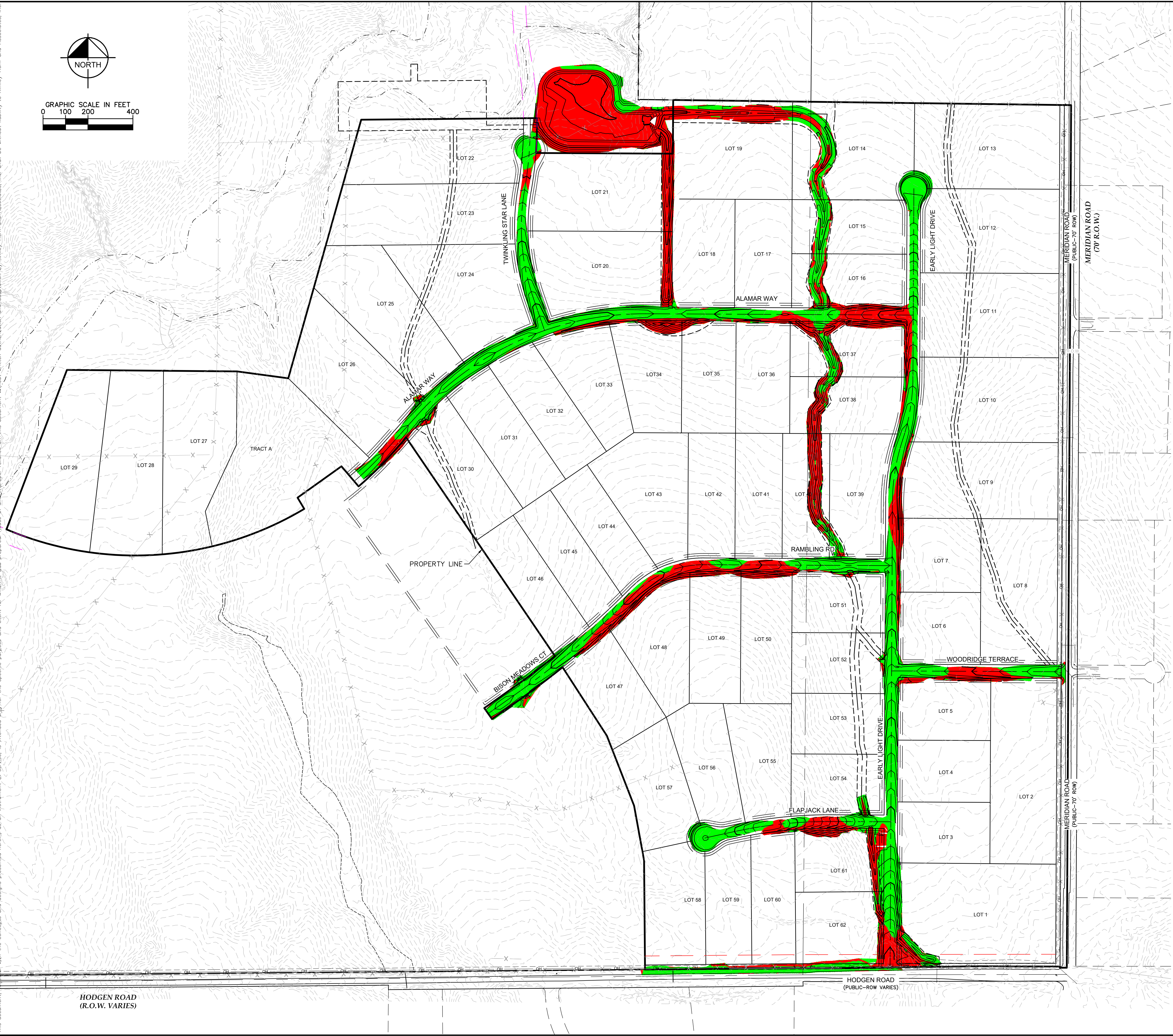
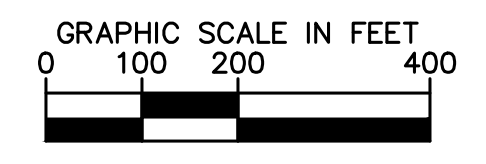
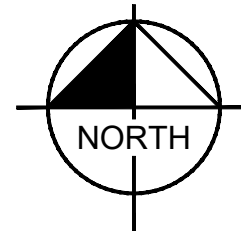






Plotted By: Kofford, Kevin. Sheet: WINSOME P2. Layout: CUT FILL MAP. May 13, 2021. 07:39:01pm. K:\DEN\_Civil\196106000\_Winsome P2\CADD\PlanSheets\0196106000\_CUT\_FILL\_P2.dwg  
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**LEGEND**

- CUT AREA
- FILL AREA

TOTAL CUT: 72,750 CY  
 TOTAL FILL: 47,030 CY  
 NET: 25,720 CY (FILL)\*  
 \*RAW NET VALUE- NO FILL FACTOR APPLIED

HODGEN ROAD  
(R.O.W. VARIES)

HODGEN ROAD  
(PUBLIC-ROW VARIES)

No.	REVISIONS	DATE	BY

**Kimley»Horn**

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 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903  
 PHONE: 719-453-0180  
 WWW.KIMLEY-HORN.COM

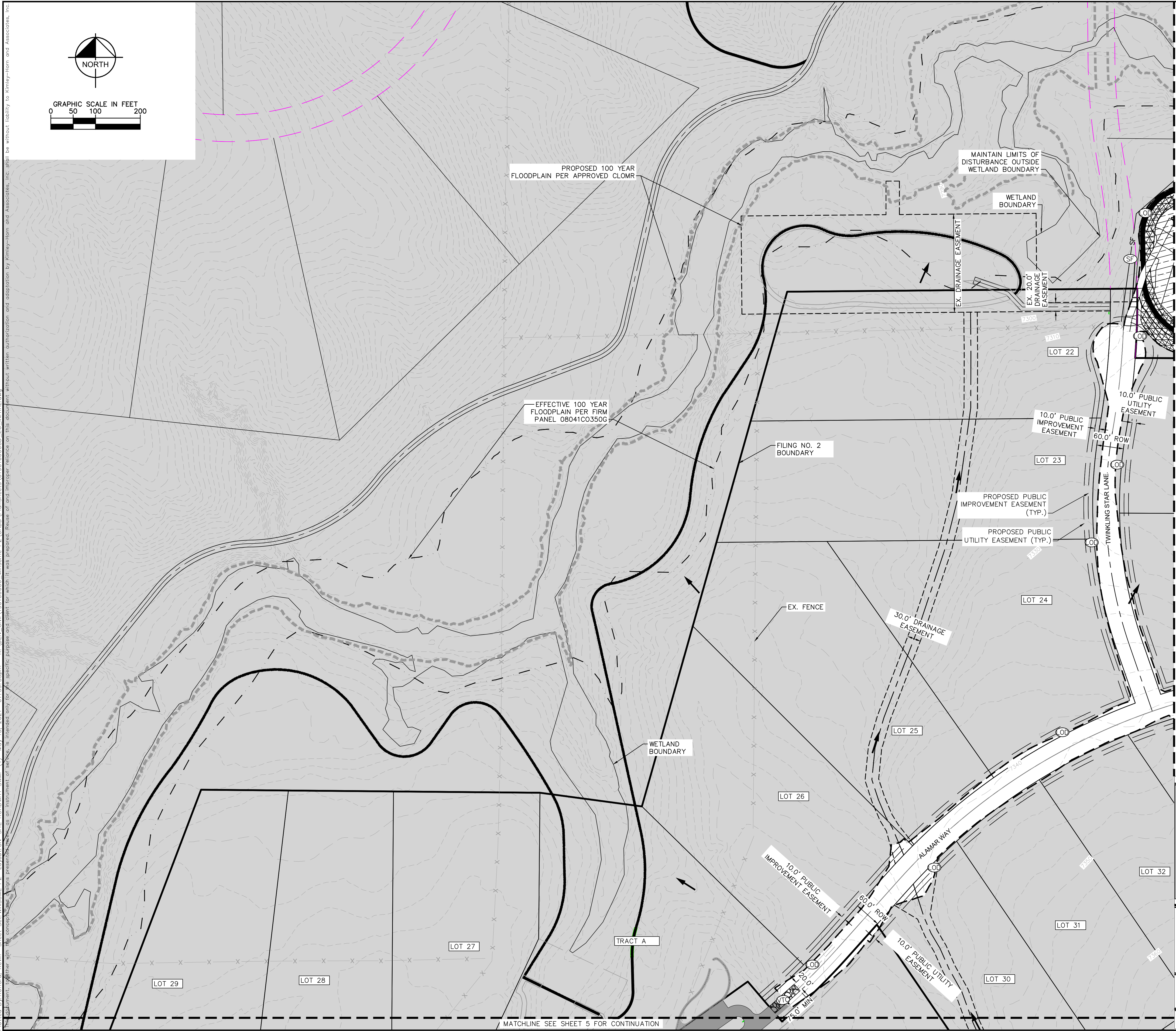
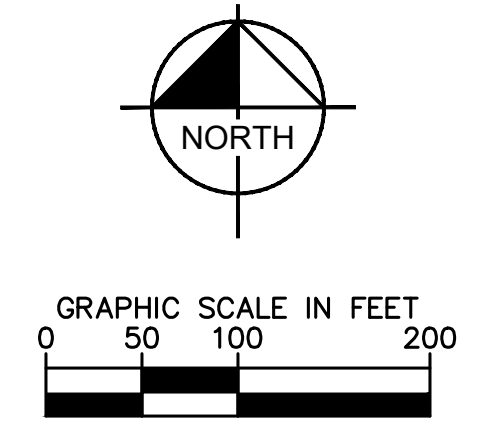
LICENSED PROFESSIONAL  
 KIMLEY-HORN PROJECT  
 019610600  
 DATE: 05/13/2021  
 SCALE: AS SHOWN  
 DESIGNED BY: KHTAM  
 DRAWN BY: KHTAM  
 CHECKED BY: \_\_\_\_\_  
 T.L.C. DATE: \_\_\_\_\_

**CUT FILL MAP**

**WINSOME FILING NO. 2**  
 PREPARED FOR  
**WINSOME LLC**  
 EL PASO COUNTY CO



Plotted By: Kofford, Kevin Sheet: WINSOME P2 - Layout: ON-SITE ROADWAY SWMP (1) May 13, 2021 07:39:33pm K:\DEN\_Civil\196106000\_Winsome P2\CADD\PlanSheets\0196106000\_EC\_INITIAL.dwg  
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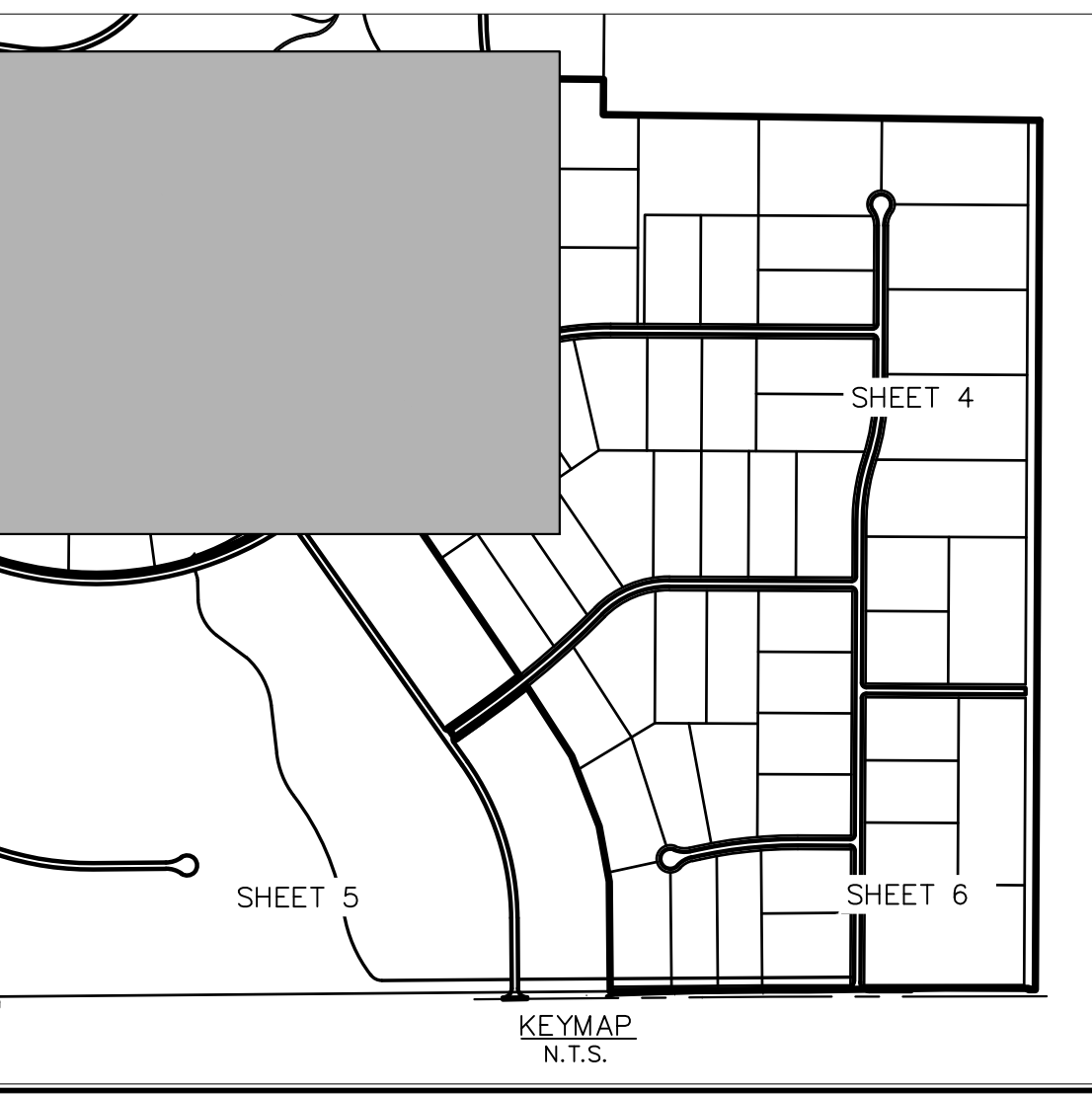
**LEGEND**

	PROPERTY LINE
	100 YEAR FLOODPLAIN
	WETLAND BOUNDARY
	LIMITS OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION FENCE
	SEDIMENT CONTROL LOGS
	CHECK DAM
	CULVERT INLET/OUTLET PROTECTION
	CONCRETE WASHOUT AREA
	STABILIZED STAGING AREA
	EROSION CONTROL BLANKET
	VEHICLE TRACKING CONTROL
	SOIL STOCKPILE
	TEMPORARY SEDIMENT BASIN
	TEMP/ PERMANENT SEEDING AND MULCHING
	EXISTING FLOW ARROW
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

**LIMITS OF CONSTRUCTION**

ONSITE DISTURBANCE	= ±27.40 ACRES
OFFSITE DISTURBANCE	= ±0.55 ACRES
<b>TOTAL</b>	<b>= ±27.95 ACRES</b>

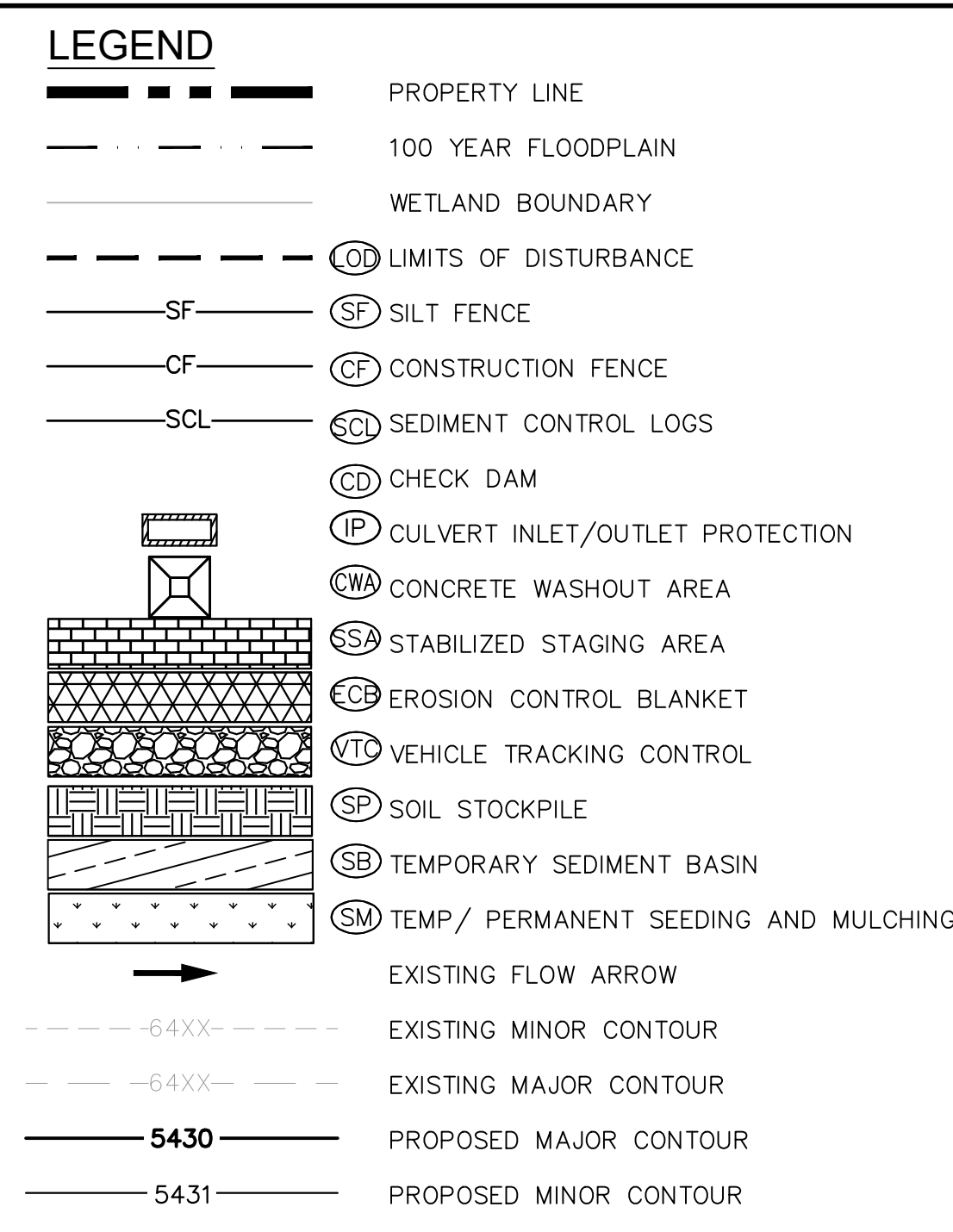
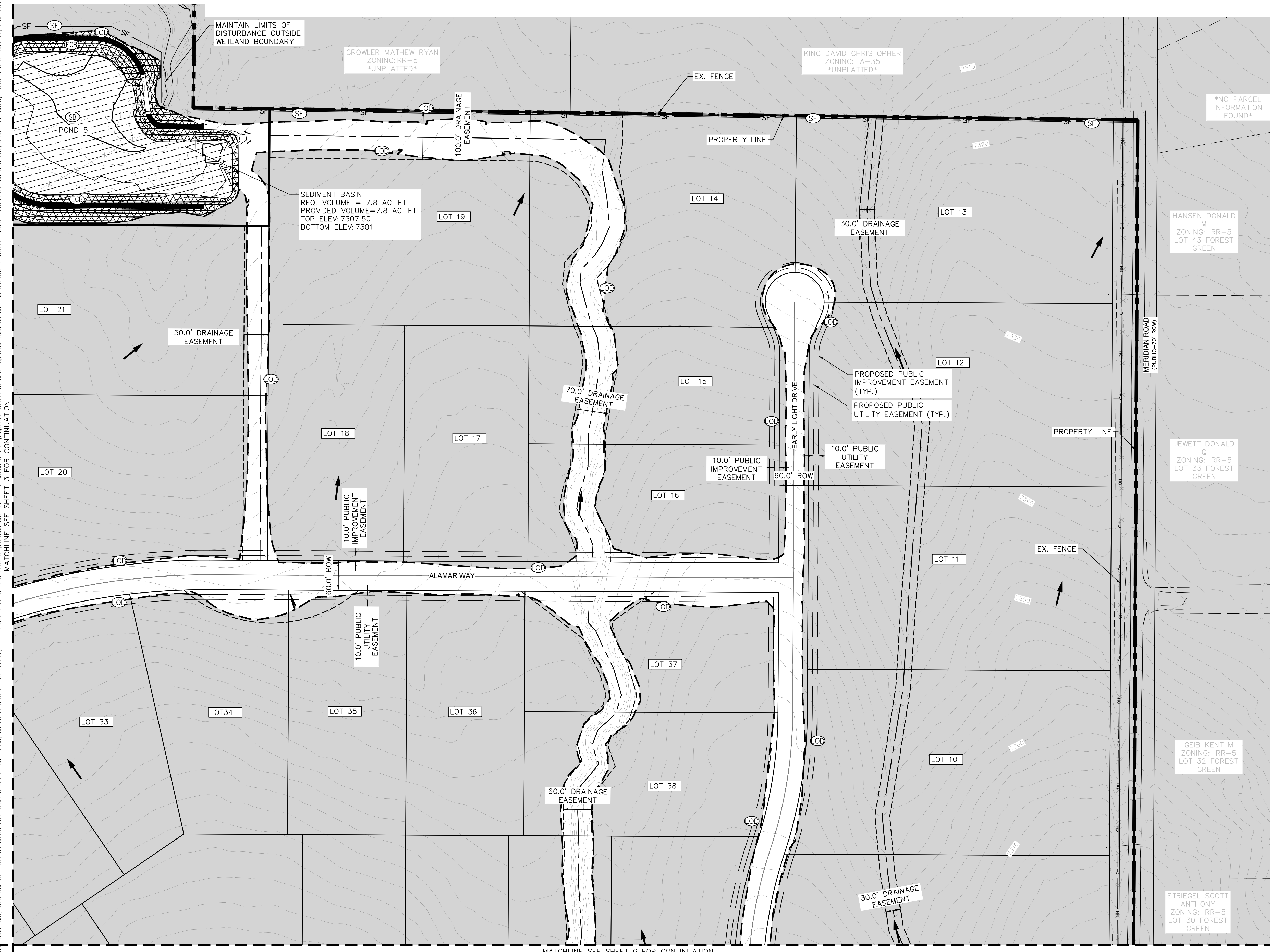
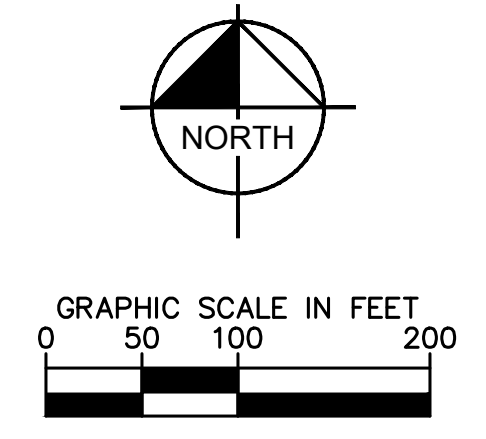
- NOTES**
1. THE INTENT OF THIS PLAN IS TO IDENTIFY THE EROSION CONTROL PRACTICES RECOMMENDED. THE CONTRACTOR SHALL REFERENCE ADDITIONAL CONSTRUCTION PLANS FOR DEMOLITION OF EXISTING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS.
  2. ADJACENT STREETS SHALL BE KEPT CLEAN AND FREE OF SEDIMENT AND/OR DEBRIS AT ALL TIMES.
  3. TEMPORARY STABILIZATION (TS) SHALL BE IMPLEMENTED WITHIN THE DISTURBED PORTIONS OF THE PROJECT SITE NO LATER THAN 14 DAYS FOLLOWING THE CEASE OF CONSTRUCTION ACTIVITIES WITHIN THE DISTURBED AREAS.
  4. PERMANENT STABILIZATION (PS) MAY BE USED WITHIN AREAS OF TEMPORARY STABILIZATION (TS) AT THE CONTRACTOR'S DISCRETION. STABILIZATION SHALL BE APPLIED IN ACCORDANCE WITH APPLICABLE TEMPORARY STABILIZATION SEQUENCING REQUIREMENTS.
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  10. VEGETATION COVER IS ABOUT 90% CONSISTING OF NATIVE GRASSES, TREES AND SHRUBS, BASED ON VISUAL INSPECTION
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		LICENSED PROFESSIONAL KEVIN KOFFORD	
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KHA PROJECT 019610600	DATE 05/13/2021	SCALE AS SHOWN	CO LICENSE NUMBER 57234
<b>WINSOME FILING NO. 2</b> PREPARED FOR <b>WINSOME LLC</b>		DRAWN BY KHTAM	CHECKED BY TLC DATE:
SHEET NUMBER <b>3</b>		EL PASO COUNTY CO	
MATCHLINE SEE SHEET 4 FOR CONTINUATION		MATCHLINE SEE SHEET 5 FOR CONTINUATION	



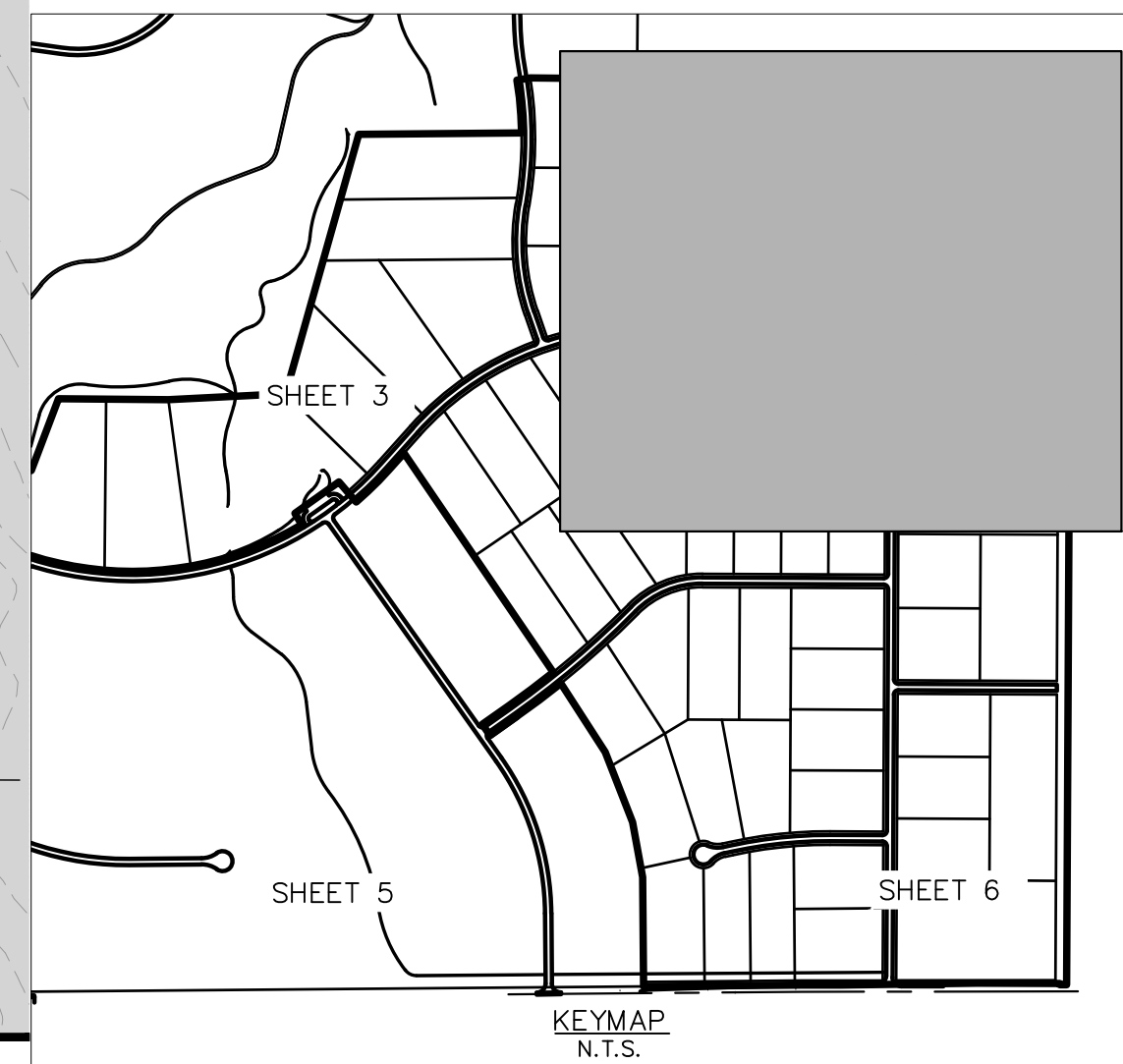
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 MATCHLINE SEE SHEET 3 FOR CONTINUATION



### LIMITS OF CONSTRUCTION

ONSITE DISTURBANCE = ±27.40 ACRES  
 OFFSITE DISTURBANCE = ±0.55 ACRES  
 TOTAL = ±27.95 ACRES

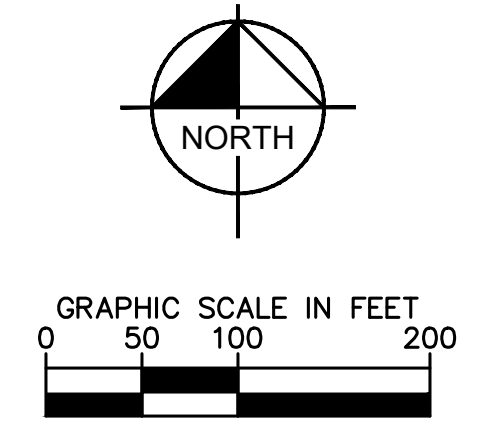
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		LICENSED PROFESSIONAL KEVIN KOFFORD	
		DATE: 05/13/2021 SCALE: AS SHOWN DESIGNED BY: KHTAM DRAWN BY: KHTAM CHECKED BY: TLC	CO LICENSE NUMBER: 57234
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		EL PASO COUNTY	
SHEET NUMBER <b>4</b>		SHEET NUMBER <b>4</b>	



Plotted By: Koford, Kevin. Sheet: WINSOME P2. Layout: ON-SITE ROADWAY SWMP. (3). May 13, 2021. 07:39:44pm. K:\VEN\_Civil\196106000\_Winsome P2\CADD\Plan\Sheet\0196106000\_EC\_INITIAL.dwg  
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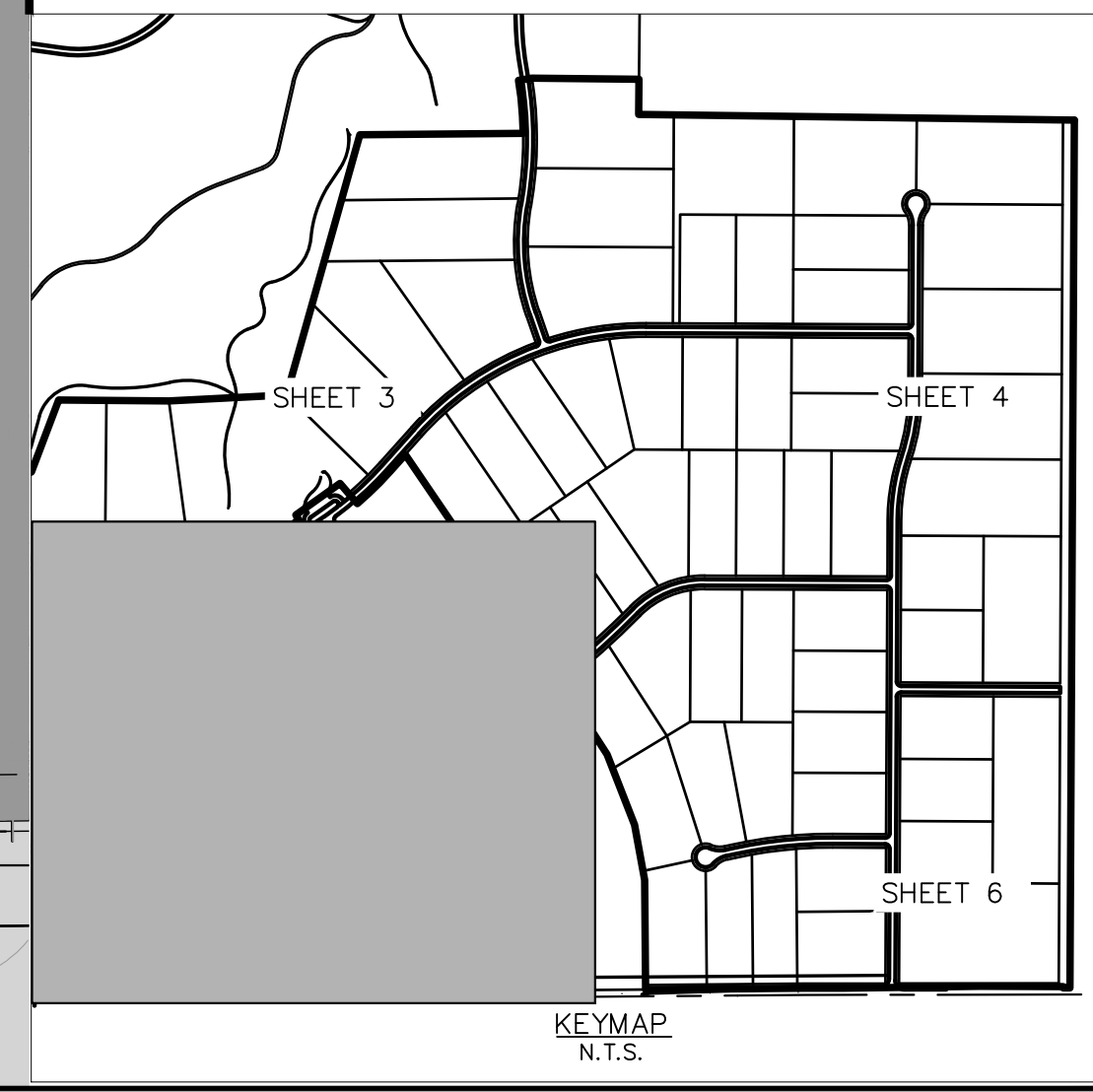
MATCHLINE SEE SHEET 3 FOR CONTINUATION



LEGEND	
	PROPERTY LINE
	100 YEAR FLOODPLAIN
	WETLAND BOUNDARY
	LIMITS OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION FENCE
	SEDIMENT CONTROL LOGS
	CHECK DAM
	CULVERT INLET/OUTLET PROTECTION
	CONCRETE WASHOUT AREA
	STABILIZED STAGING AREA
	EROSION CONTROL BLANKET
	VEHICLE TRACKING CONTROL
	SOIL STOCKPILE
	TEMPORARY SEDIMENT BASIN
	TEMP/ PERMANENT SEEDING AND MULCHING
	EXISTING FLOW ARROW
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

LIMITS OF CONSTRUCTION	
ONSITE DISTURBANCE	= ±27.40 ACRES
OFFSITE DISTURBANCE	= ±0.55 ACRES
<b>TOTAL</b>	<b>= ±27.95 ACRES</b>

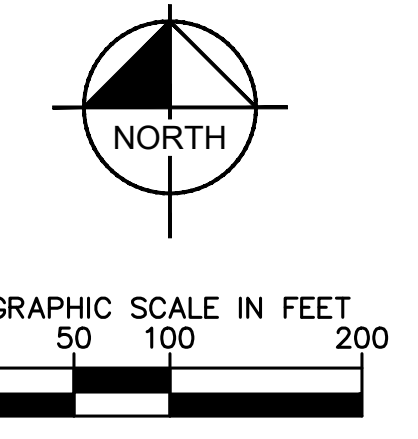
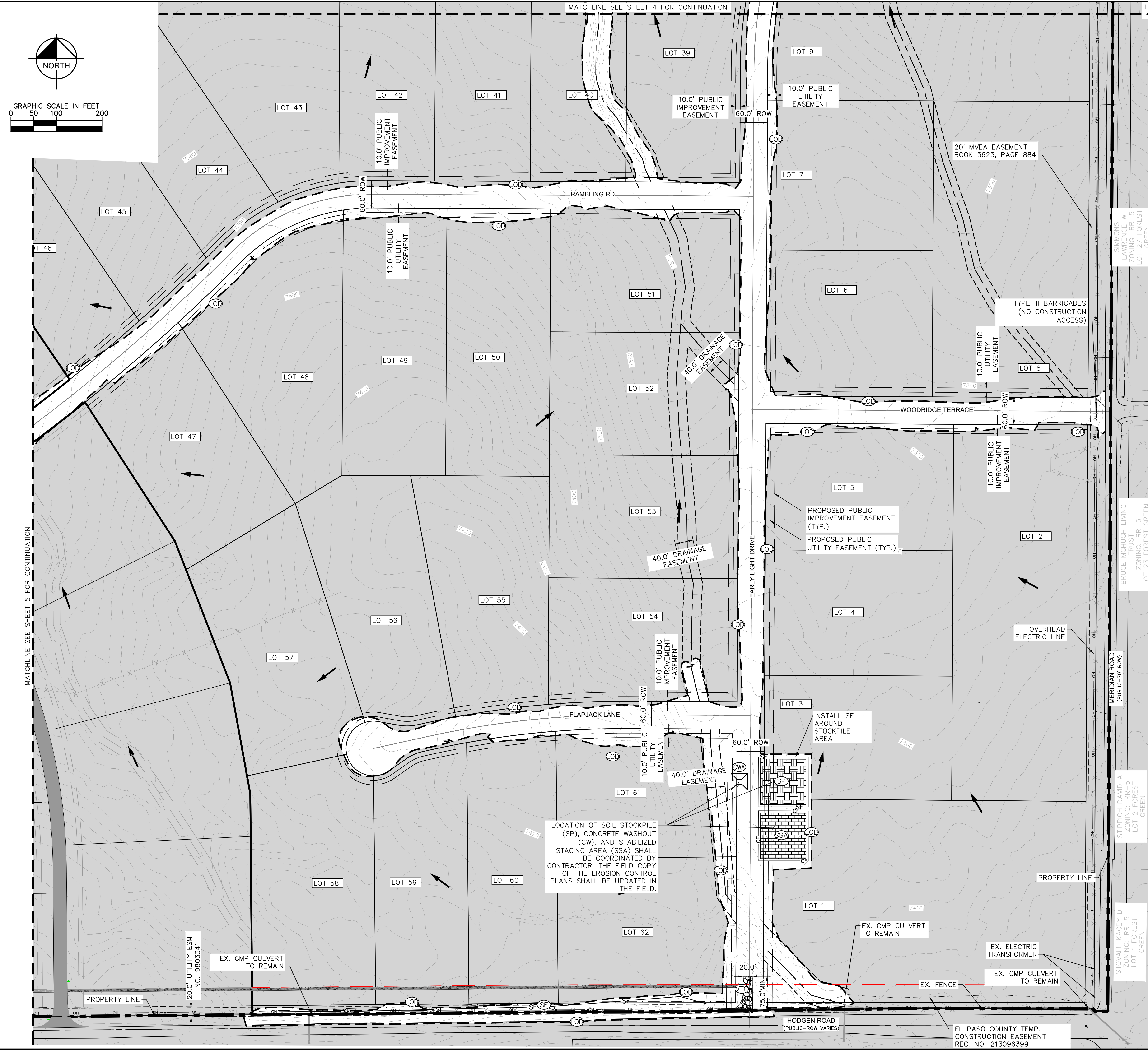
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<h2 style="margin: 0;">INITIAL GEC PLAN</h2>	<p style="font-size: 8px; margin: 0;">             LICENSED PROFESSIONAL              KEVIN KOFFORD              CO LICENSE NUMBER 57234           </p>
<h3 style="margin: 0;">WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC</h3>	<p style="font-size: 8px; margin: 0;">             EL PASO COUNTY CO           </p>
<p style="font-size: 12px; margin: 0;">SHEET NUMBER</p> <h1 style="margin: 0;">5</h1>	<p style="font-size: 8px; margin: 0;">             KHA PROJECT 019610600              DATE 05/13/2021              SCALE AS SHOWN              DESIGNED BY KHTAM              DRAWN BY KHTAM              CHECKED BY _____ TLC DATE: _____           </p>



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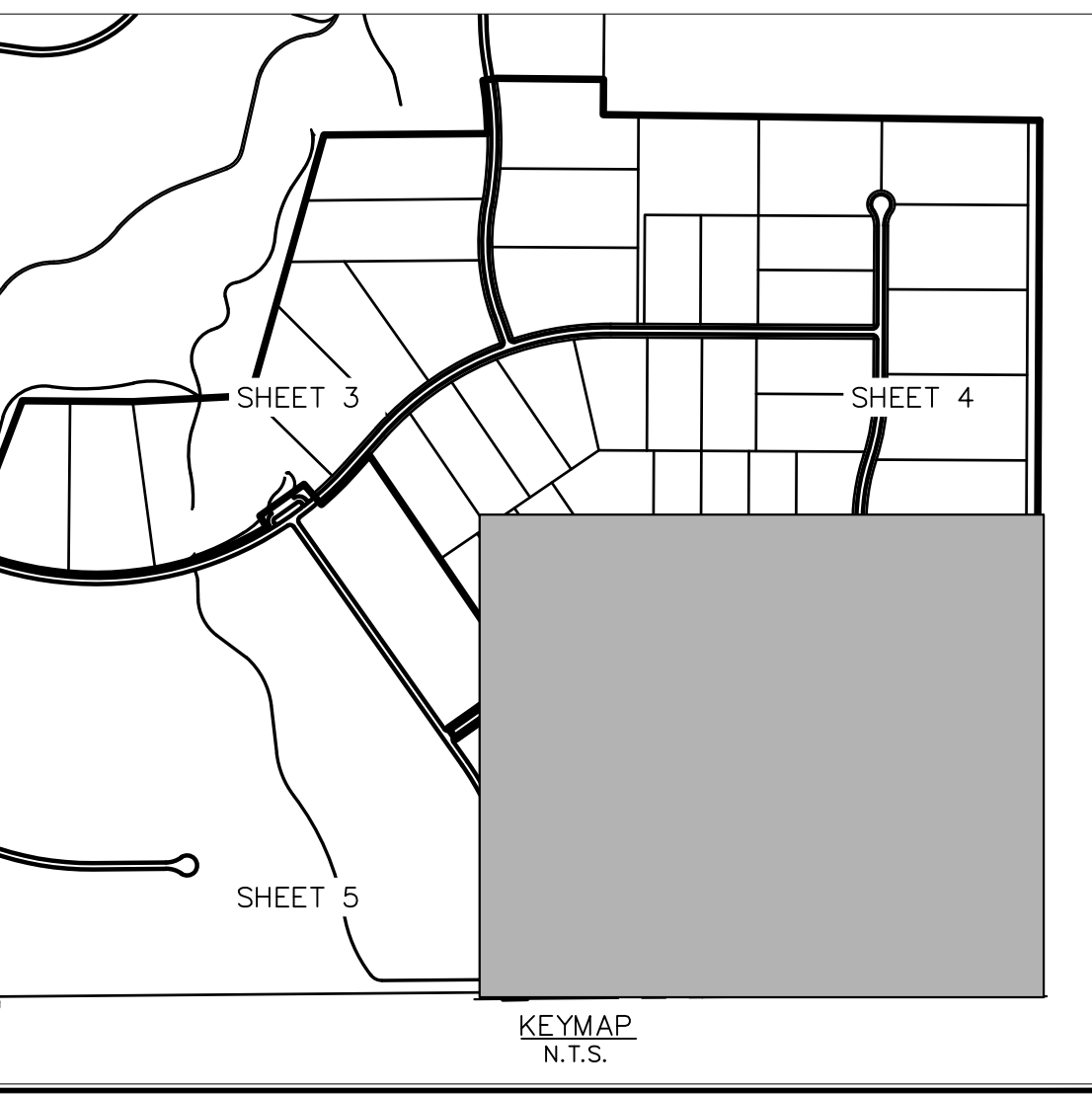
**LEGEND**

	PROPERTY LINE
	100 YEAR FLOODPLAIN
	WETLAND BOUNDARY
	LIMITS OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION FENCE
	SEDIMENT CONTROL LOGS
	CHECK DAM
	CULVERT INLET/OUTLET PROTECTION
	CONCRETE WASHOUT AREA
	STABILIZED STAGING AREA
	EROSION CONTROL BLANKET
	VEHICLE TRACKING CONTROL
	SOIL STOCKPILE
	TEMPORARY SEDIMENT BASIN
	TEMP/ PERMANENT SEEDING AND MULCHING
	EXISTING FLOW ARROW
	EXISTING MINOR CONTOUR
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**LIMITS OF CONSTRUCTION**

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OFFSITE DISTURBANCE	= ±0.55 ACRES
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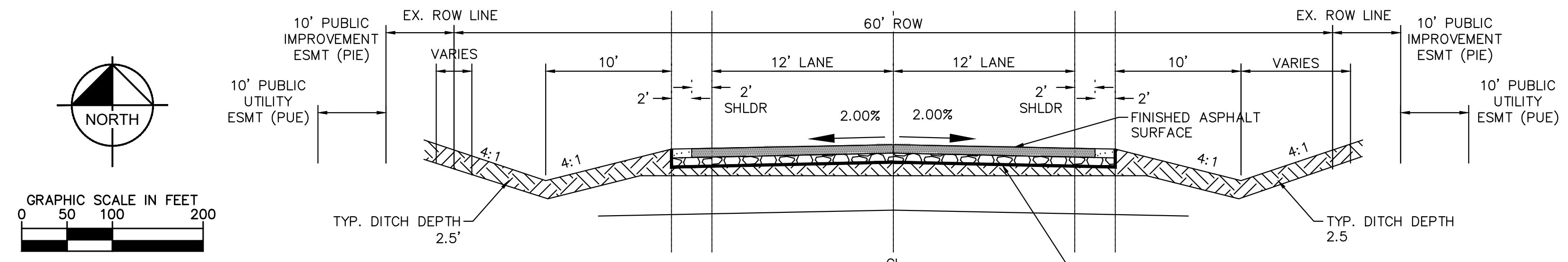
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		LICENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234	
		KHA PROJECT 019610600 DATE 05/13/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY TLC DATE:	REVISIONS No. _____ BY _____ DATE _____
<b>INITIAL GEC PLAN</b>			
<b>WINSOME FILING NO. 2</b> PREPARED FOR <b>WINSOME LLC</b>		EL PASO COUNTY CO	
SHEET NUMBER <b>6</b>		SHEET NUMBER _____	



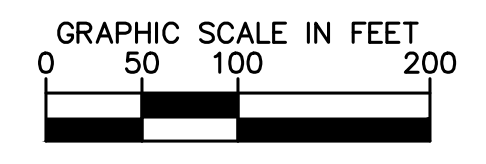
Plotted By: Kofford, Kevin. Sheet: WINSOME P2 - LAYOUT ON SITE INTERIM SWMP (1). May 13, 2021. 07:40:33am. K:\DEN\_Civil\196106000\_Winsome P2\CADD\PlanSheets\0196106000\_EC\_INTERIM.dwg  
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**RURAL LOCAL ROADWAY**

NOTE: SUBGRADE UNDERCUT GRADING IS PERMITTED WITH THIS PRE-DEVELOPMENT GRADING AND EROSION CONTROL PLAN. ASPHALT AND BASE COURSE SHALL NOT BE CONSTRUCTED WITH THE PRE-DEVELOPMENT GRADING AND EROSION CONTROL PLAN

UNDERCUT SURFACE (PRE DEVELOPMENT PERMIT GRADING TO THIS ELEVATION ONLY)



**LEGEND**

	PROPERTY LINE
	100 YEAR FLOODPLAIN
	WETLAND BOUNDARY
	LIMITS OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION FENCE
	SEDIMENT CONTROL LOGS
	CHECK DAM
	CULVERT INLET/OUTLET PROTECTION
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MATCHLINE SEE SHEET 8 FOR CONTINUATION

MATCHLINE SEE SHEET 9 FOR CONTINUATION

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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 PHONE: 719-453-0180  
 WWW.KIMLEY-HORN.COM

KHA PROJECT	019610600
LICENSED PROFESSIONAL	KEVIN KOFFORD
DATE	05/13/2021
SCALE	AS SHOWN
DESIGNED BY	KHTAM
DRAWN BY	KHTAM
CHECKED BY	TLC
DATE	

**INTERIM GEC PLAN**

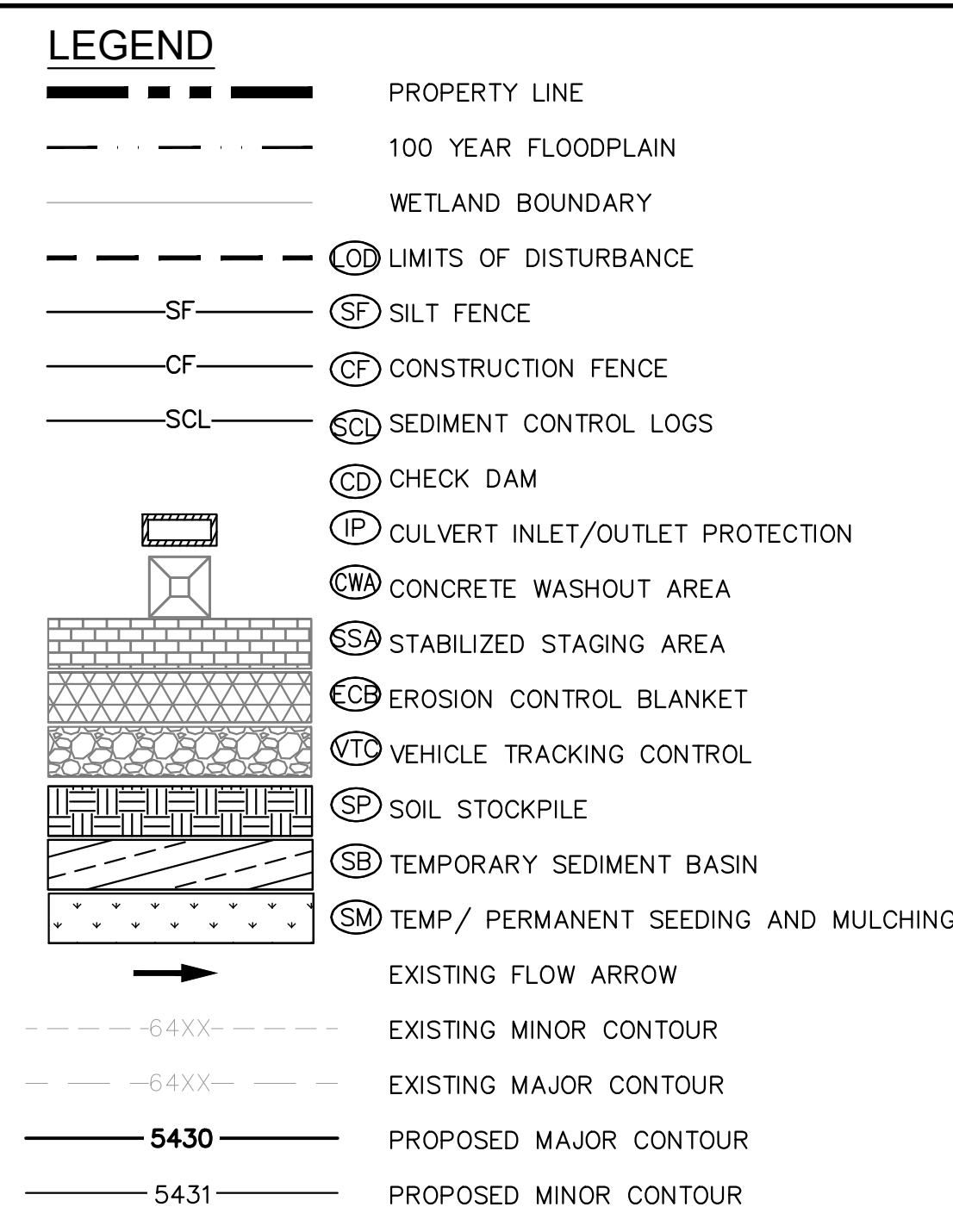
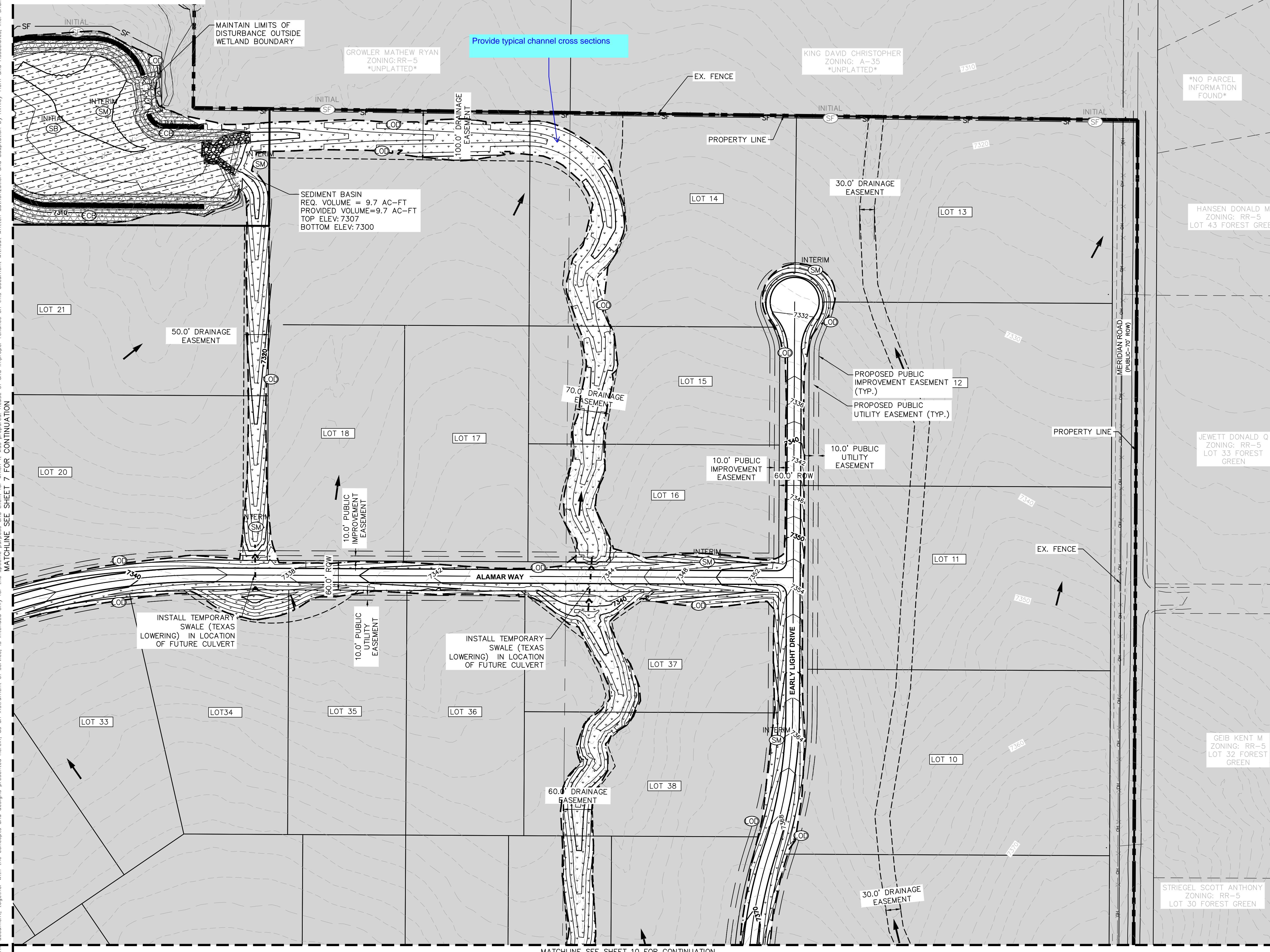
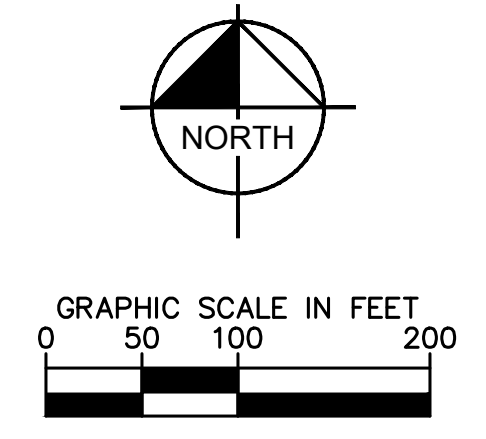
**WINSOME FILING NO. 2**  
 PREPARED FOR  
**WINSOME LLC**

EL PASO COUNTY CO

SHEET NUMBER  
**7**



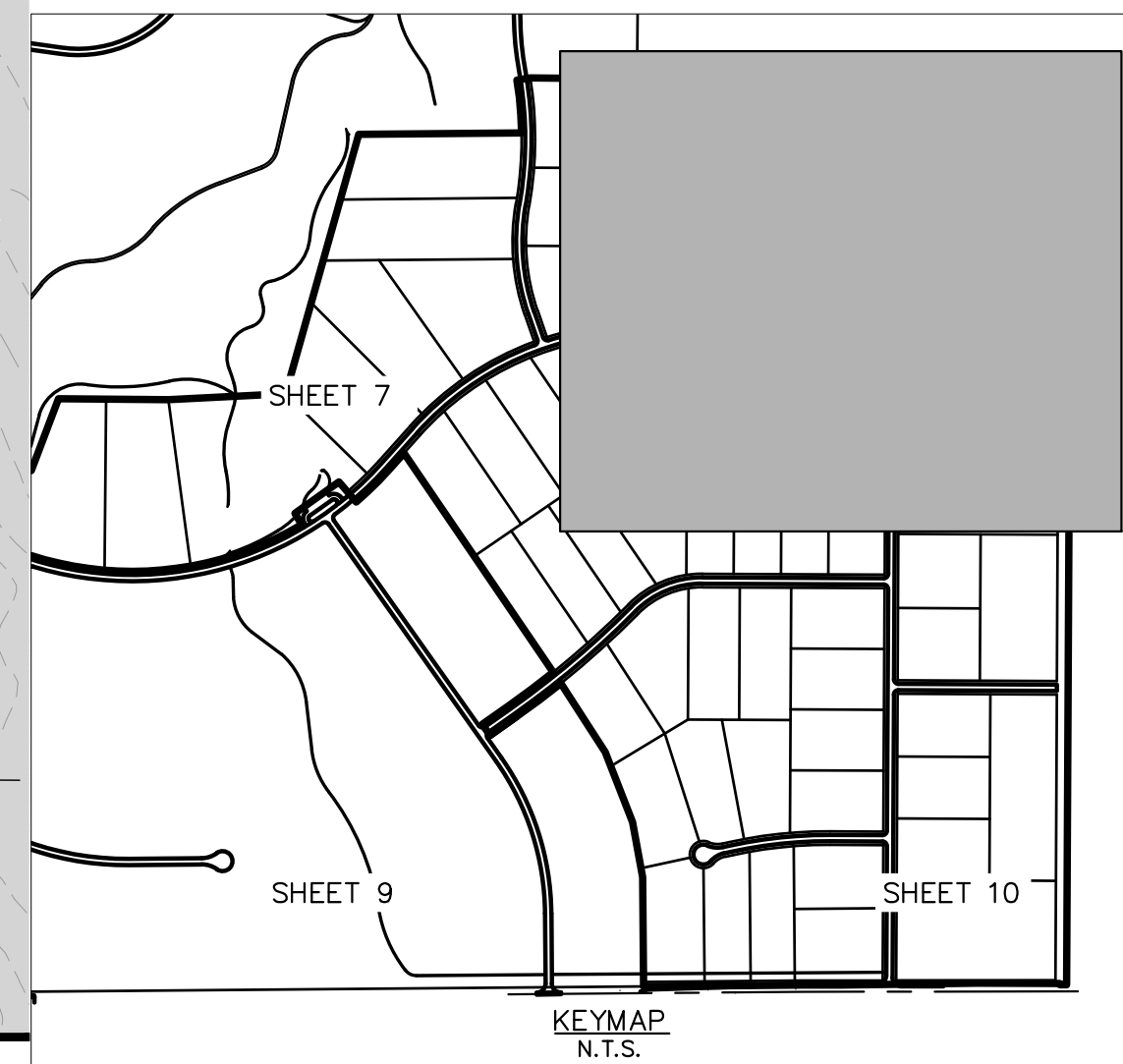
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### LIMITS OF CONSTRUCTION

ONSITE DISTURBANCE = ±27.40 ACRES  
 OFFSITE DISTURBANCE = ±0.55 ACRES  
 TOTAL = ±27.95 ACRES

- ### NOTES
- THE INTENT OF THIS PLAN IS TO IDENTIFY THE EROSION CONTROL PRACTICES RECOMMENDED. THE CONTRACTOR SHALL REFERENCE ADDITIONAL CONSTRUCTION PLANS FOR DEMOLITION OF EXISTING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS.
  - ADJACENT STREETS SHALL BE KEPT CLEAN AND FREE OF SEDIMENT AND/OR DEBRIS AT ALL TIMES.
  - TEMPORARY STABILIZATION (TS) SHALL BE IMPLEMENTED WITHIN THE DISTURBED PORTIONS OF THE PROJECT SITE NO LATER THAN 14 DAYS FOLLOWING THE CEASE OF CONSTRUCTION ACTIVITIES WITHIN THE DISTURBED AREAS.
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  - VEGETATION COVER IS ABOUT 90% CONSISTING OF NATIVE GRASSES, TREES AND SHRUBS, BASED ON VISUAL INSPECTION
  - NO ASPHALT OR CONCRETE BATCH PLANTS SHALL BE USED FOR THIS PROJECT.



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KHA PROJECT 0196106000  
 DATE 05/13/2021  
 SCALE AS SHOWN  
 DESIGNED BY KHTAM  
 DRAWN BY KHTAM  
 CHECKED BY TLC DATE:

LICENSED PROFESSIONAL  
 KEVIN KOFFORD  
 CO LICENSE NUMBER 57234

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## INTERIM GEC PLAN

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 PREPARED FOR  
 WINSOME LLC

EL PASO COUNTY

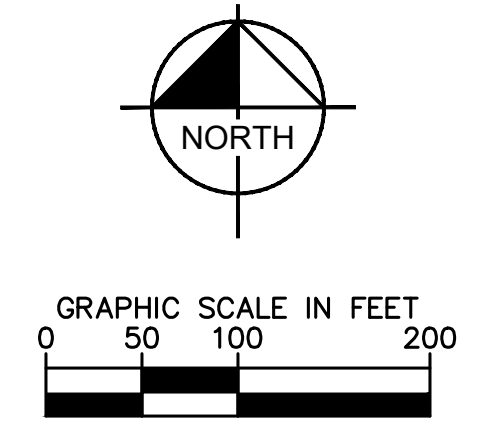
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SHEET NUMBER  
**8**

REVISIONS  
 No. \_\_\_\_\_ DATE \_\_\_\_\_



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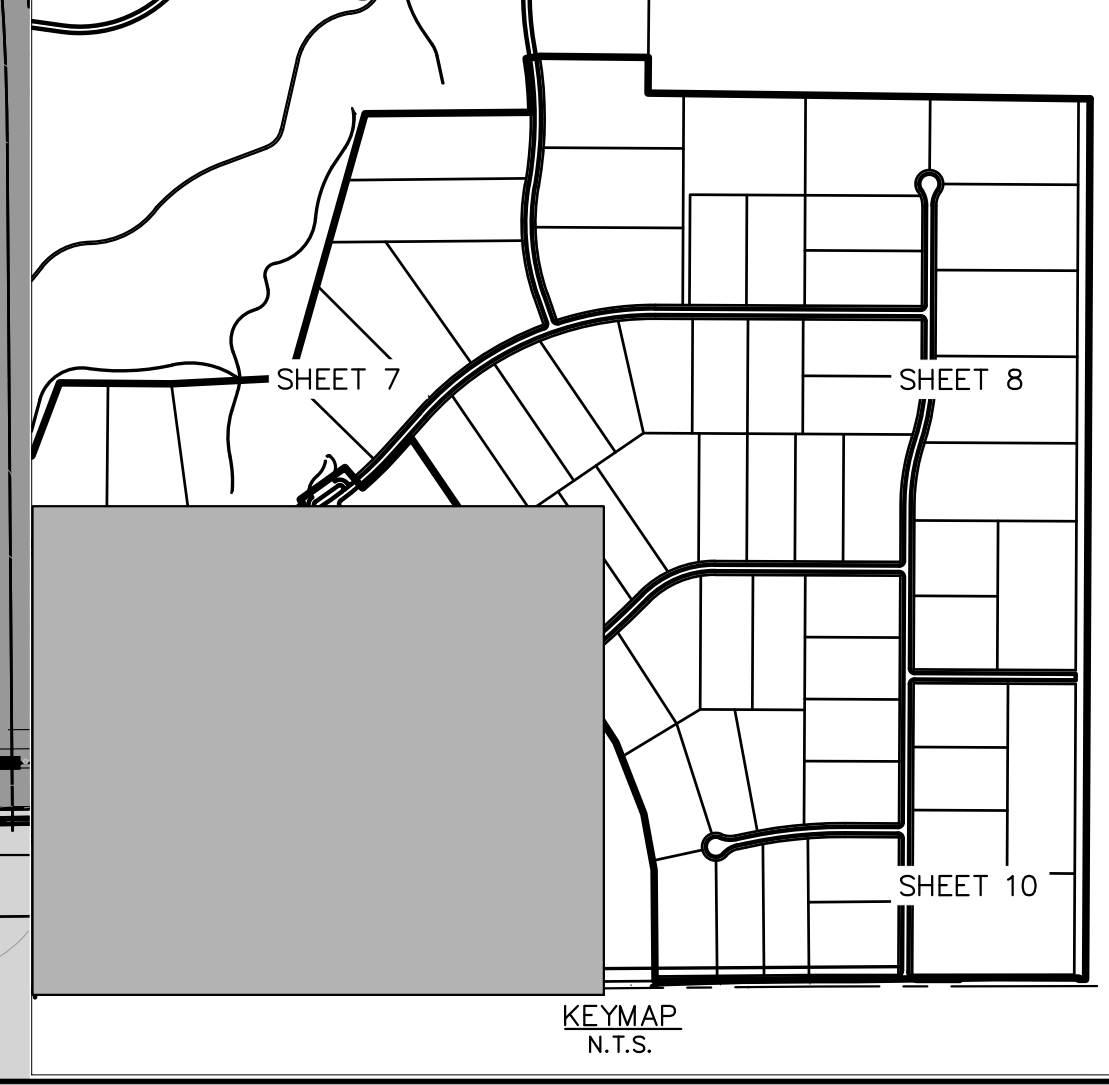
MATCHLINE SEE SHEET 7 FOR CONTINUATION



LEGEND	
	PROPERTY LINE
	100 YEAR FLOODPLAIN
	WETLAND BOUNDARY
	LIMITS OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION FENCE
	SEDIMENT CONTROL LOGS
	CHECK DAM
	CULVERT INLET/OUTLET PROTECTION
	CONCRETE WASHOUT AREA
	STABILIZED STAGING AREA
	EROSION CONTROL BLANKET
	VEHICLE TRACKING CONTROL
	SOIL STOCKPILE
	TEMPORARY SEDIMENT BASIN
	TEMP/ PERMANENT SEEDING AND MULCHING
	EXISTING FLOW ARROW
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

LIMITS OF CONSTRUCTION	
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OFFSITE DISTURBANCE	= ±0.55 ACRES
<b>TOTAL</b>	<b>= ±27.95 ACRES</b>

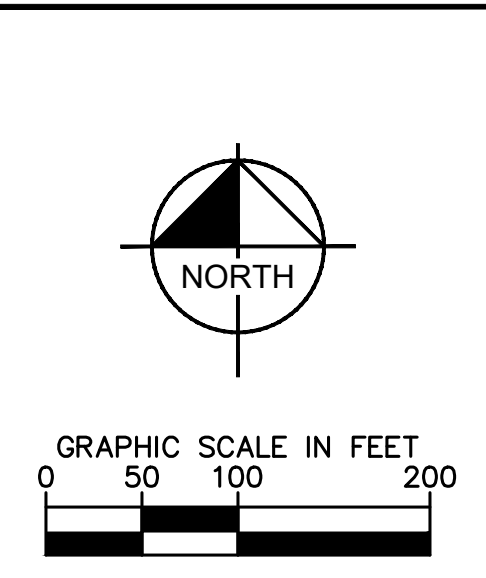
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<h1 style="margin: 0;">Kimley»Horn</h1> <p style="font-size: 8px; margin: 0;">             © 2021 KIMLEY-HORN AND ASSOCIATES, INC.              2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903              PHONE: 719-453-0180              WWW.KIMLEY-HORN.COM           </p>	<h2 style="margin: 0;">INTERIM GEC PLAN</h2>
KHA PROJECT: 0196106000 DATE: 05/13/2021 SCALE: AS SHOWN DESIGNED BY: KHTAM DRAWN BY: KHTAM CHECKED BY: _____ LICENSED PROFESSIONAL: KEVIN KOFFORD CO LICENSE NUMBER: 57234	SHEET NUMBER: <b>9</b> EL PASO COUNTY CO



Plotted By: Koford, Kevin. Sheet: WINSOME P2. Layout: ON-SITE INTERIM-SWMP (4). May 13, 2021. 07:40:52am. K:\DEN\_Civil\196106000\_Winsome P2\CADD\PlanSheets\0196106000\_EC\_INTERIM.dwg  
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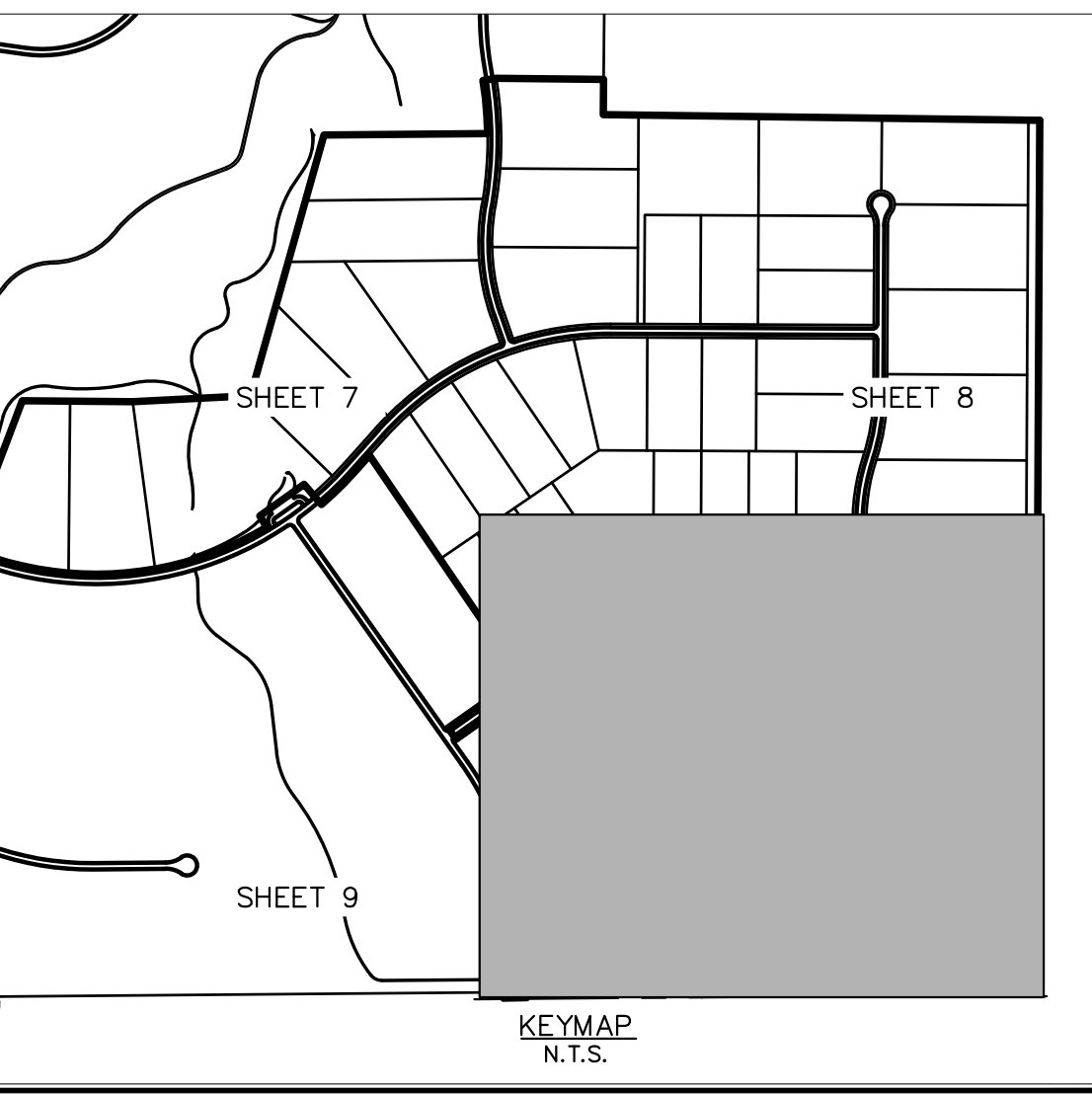
**LEGEND**

	PROPERTY LINE
	100 YEAR FLOODPLAIN
	WETLAND BOUNDARY
	LIMITS OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION FENCE
	SEDIMENT CONTROL LOGS
	CHECK DAM
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**INTERIM GEC PLAN**

**WINSOME FILING NO. 2**  
 PREPARED FOR  
**WINSOME LLC**

EL PASO COUNTY

SHEET NUMBER  
**10**

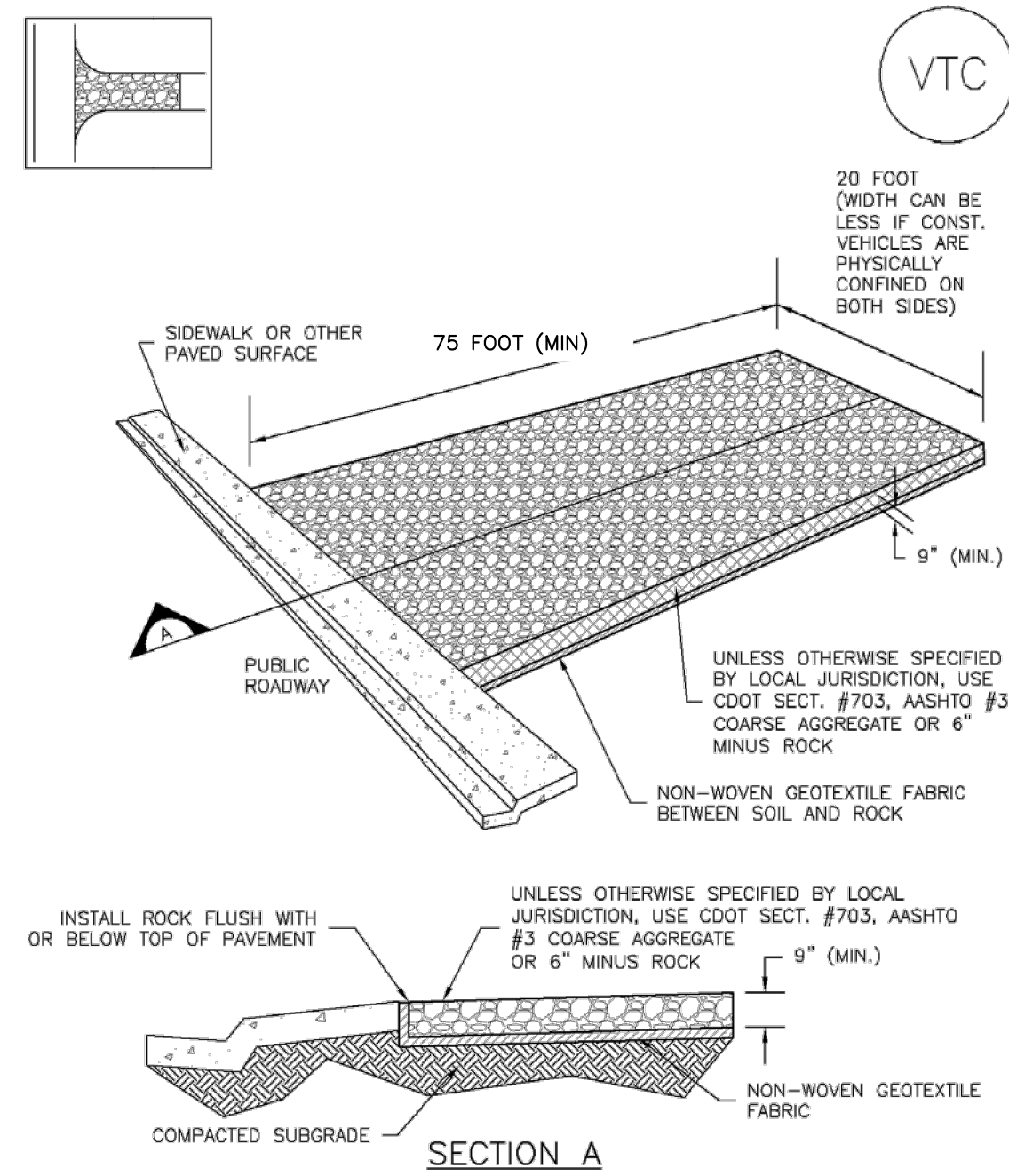
KHA PROJECT 019610600	LICENSED PROFESSIONAL KEVIN KOFFORD	DATE 05/13/2021	SCALE AS SHOWN	DESIGNED BY KHTAM	CO LICENSE NUMBER 57234	DRAWN BY KHTAM	CHECKED BY TLC	TLC DATE		
								REVISIONS	BY	DATE



Plotted By: Kofford, Kevin. Sheet: SSM-6. Title: WINSOME F2. Location: EROSION CONTROL DETAILS. Date: 07/13/2021. 07:41:07pm. K:\BEN\_CW\196106000\_Winsome F2\CADD\Plan\Sheet\0196106000\_EC-DT-PRF.dwg  
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**Vehicle Tracking Control (VTC)**

**SM-4**

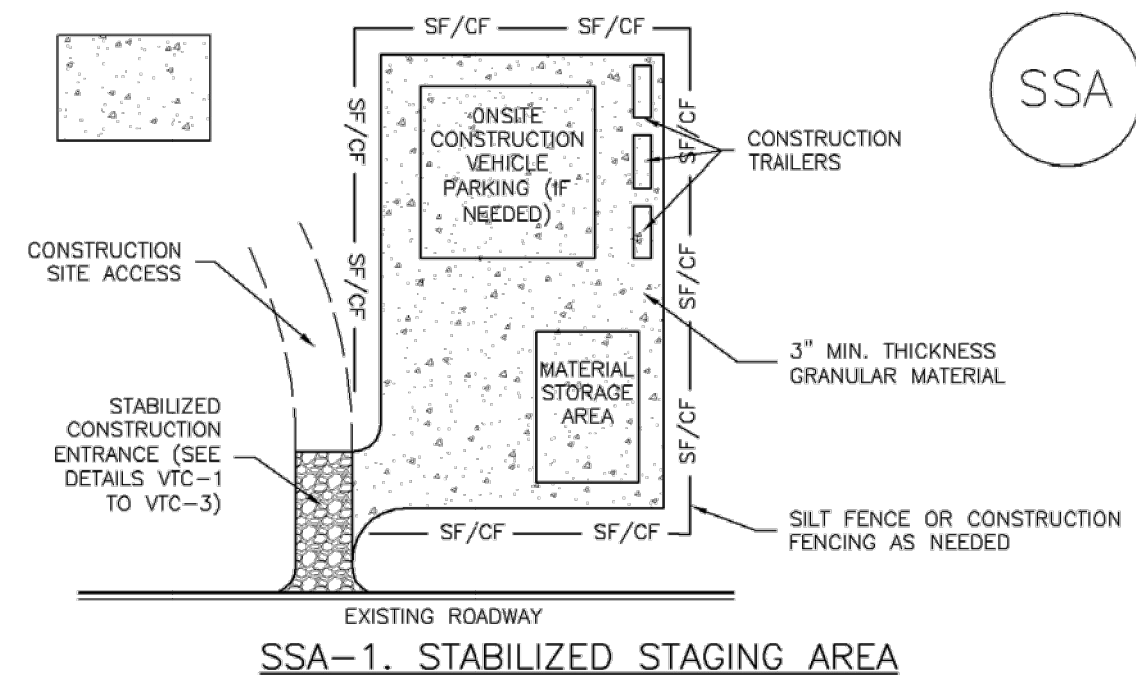


VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

**Stabilized Staging Area (SSA)**

**SM-6**



SSA-1. STABILIZED STAGING AREA

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

**SM-4 Vehicle Tracking Control (VTC)**

**STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES**

- SEE PLAN VIEW FOR  
-LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).  
-TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
- CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
- A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
- STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

**STABILIZED CONSTRUCTION ENTRANCE/EXIT 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.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
- SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

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 CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

VTC-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

**SM-6 Stabilized Staging Area (SSA)**

**STABILIZED STAGING AREA MAINTENANCE NOTES**

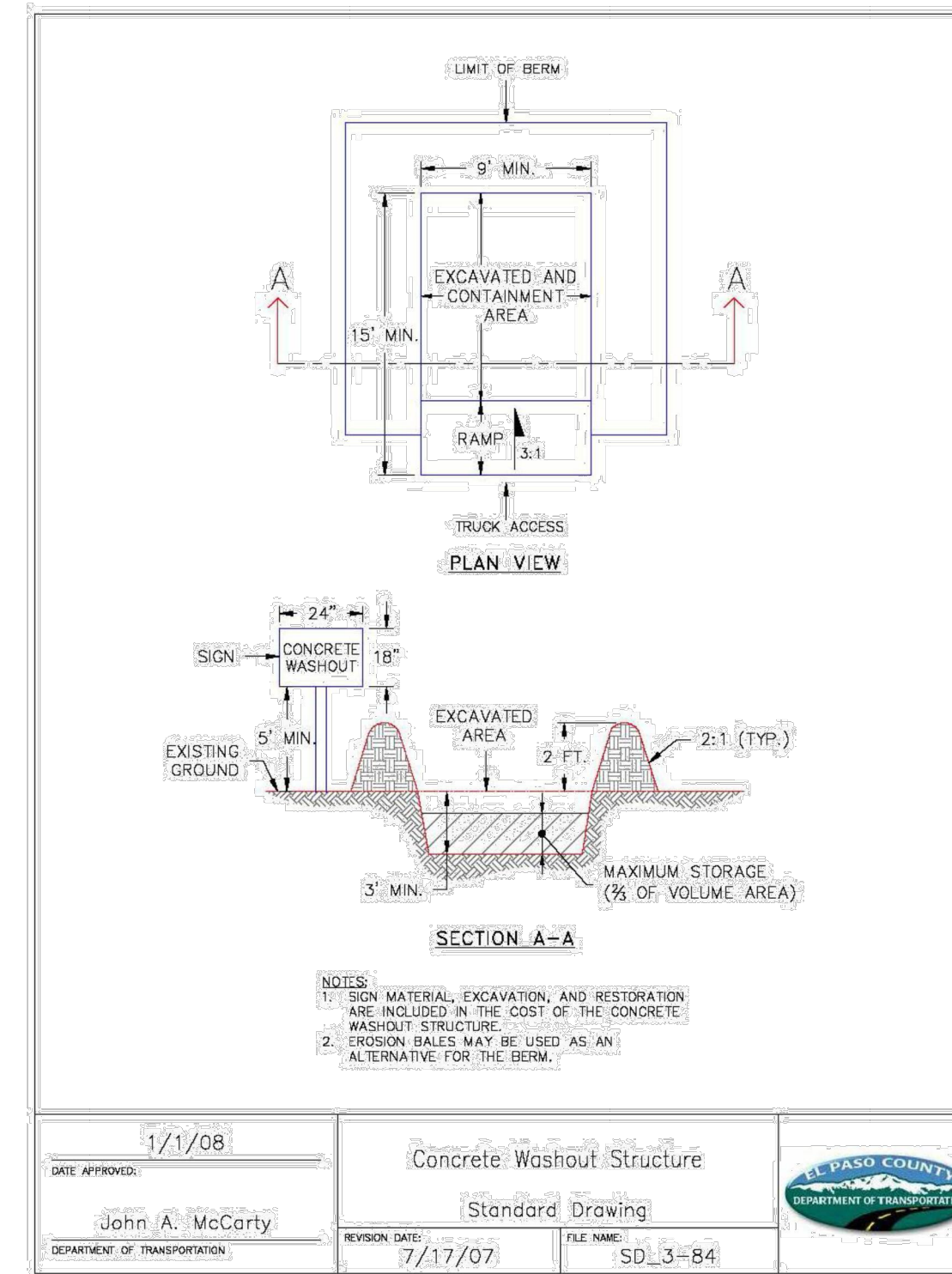
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
- THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA 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.

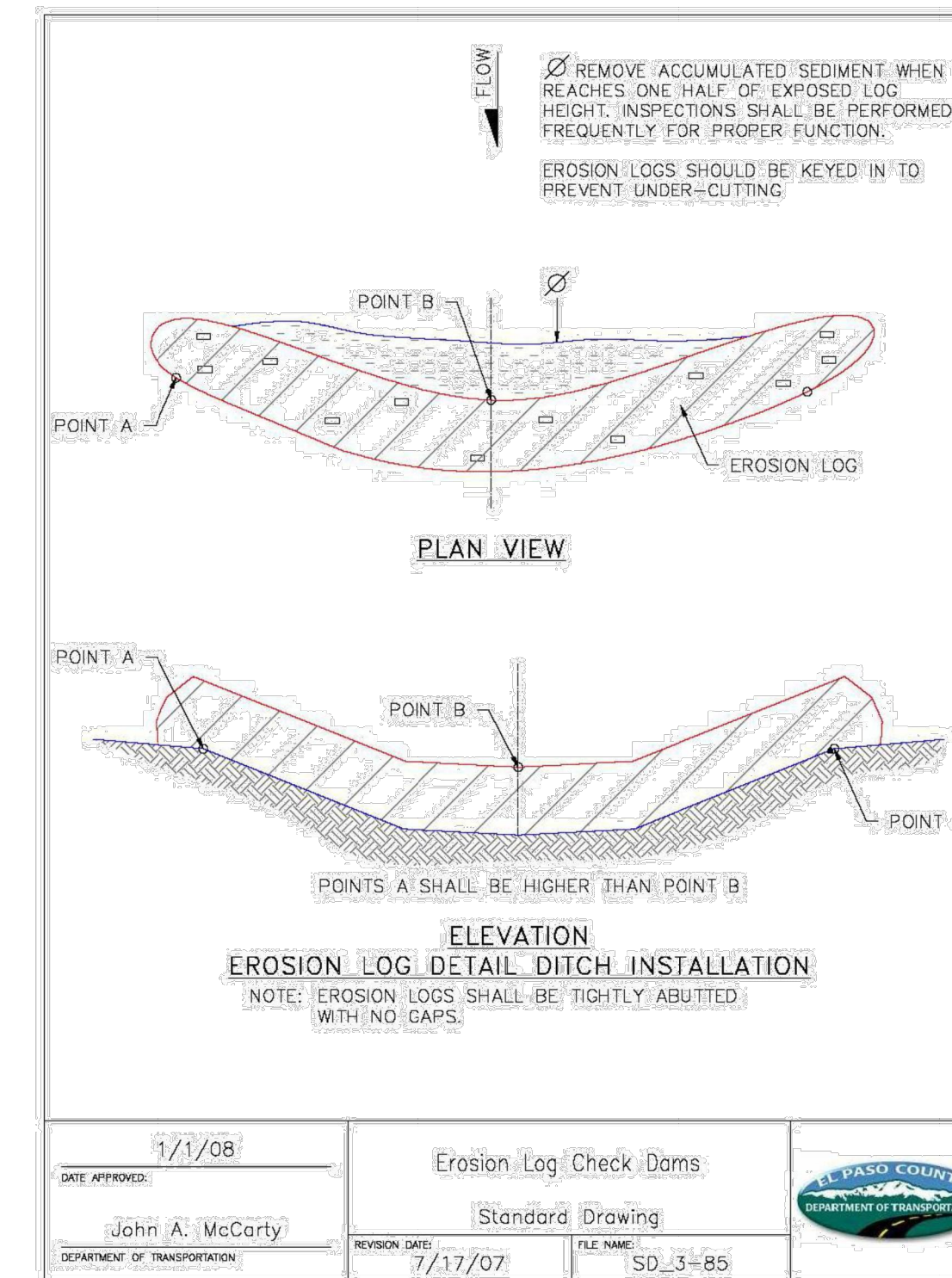
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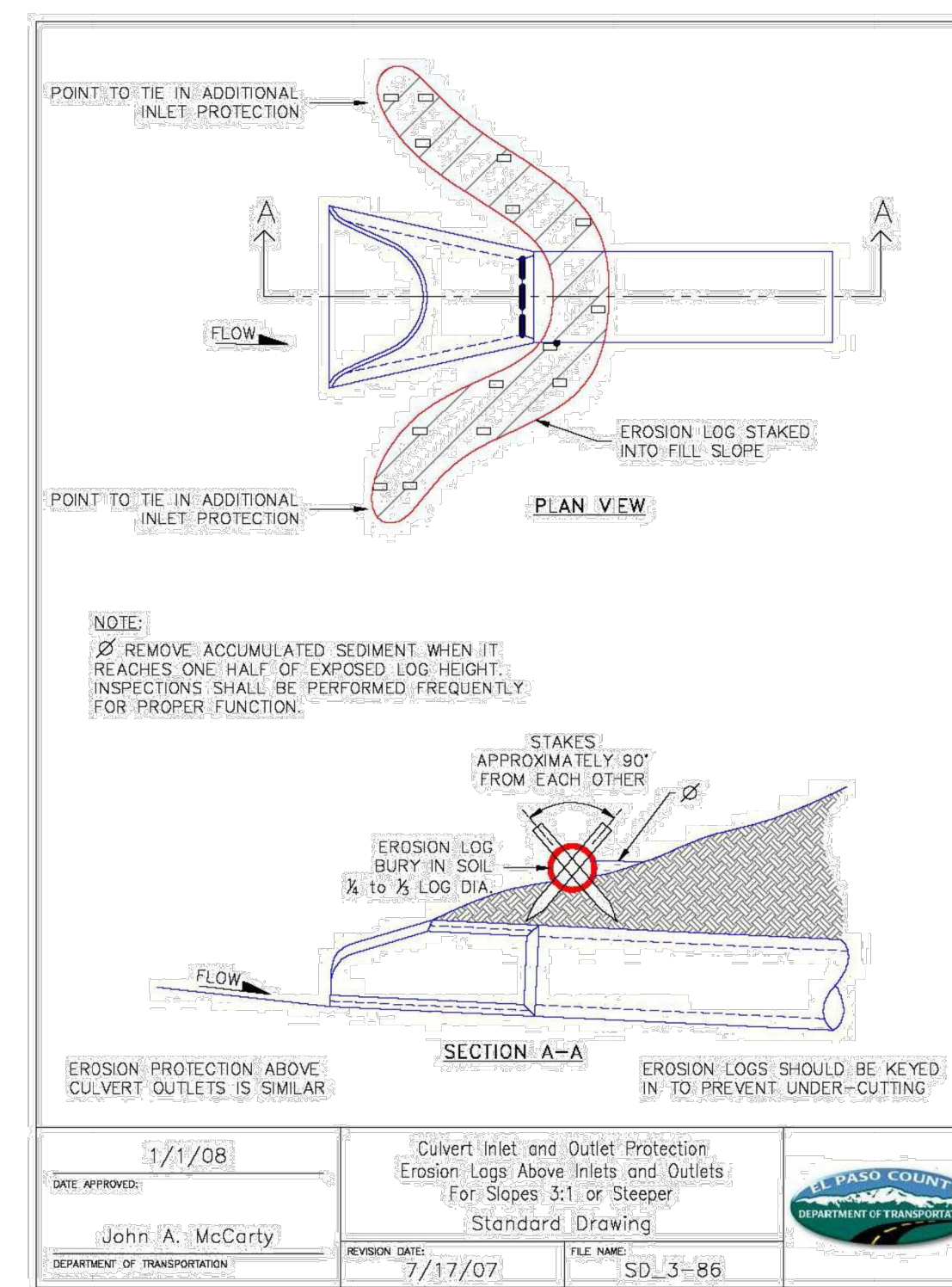
SSA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010



DATE APPROVED: 1/1/08	CONCRETE WASHOUT STRUCTURE	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
DESIGNED BY: John A. McCarty	STANDARD DRAWING	
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 7/17/07	FILE NAME: SD_3-84



DATE APPROVED: 1/1/08	EROSION LOG CHECK DAMS	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
DESIGNED BY: John A. McCarty	STANDARD DRAWING	
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 7/17/07	FILE NAME: SD_3-85



DATE APPROVED: 1/1/08	CULVERT INLET AND OUTLET PROTECTION	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
DESIGNED BY: John A. McCarty	EROSION LOGS ABOVE INLETS AND OUTLETS FOR SLOPES 3:1 OR STEEPER	
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 7/17/07	FILE NAME: SD_3-86

NO.	REVISIONS	DATE	BY

**Kimley-Horn**

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LICENSED PROFESSIONAL

KEVIN KOFFORD  
 CO LICENSE NUMBER 57234

KHA PROJECT 019610600  
 DATE 05/13/2021  
 SCALE AS SHOWN  
 DESIGNED BY KHTAM  
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**EROSION CONTROL DETAILS**

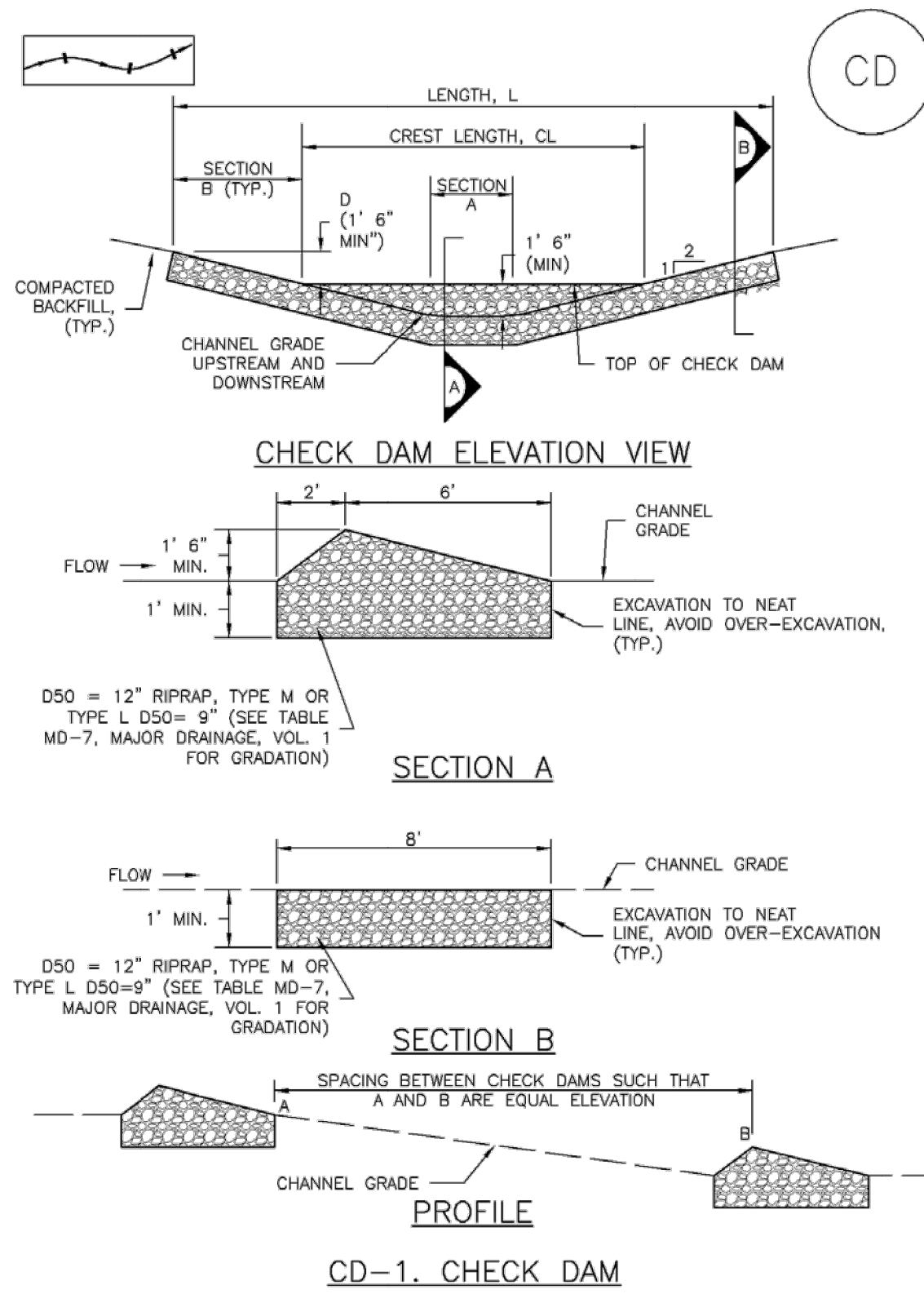
WINSOME FILING NO. 2  
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EL PASO COUNTY



Plotted By: K. Kofford, Kevin, Sheet: SWSOME.F2, Layout: EROSION CONTROL DETAILS (2), Mdy: 13, 2021, 07:41:16pm, K:\DEN\_Civil\196106000-Winsome.F2\CADD\PlanSheets\196106000-EC-DT-PRF.dwg  
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**Check Dams (CD) EC-12**



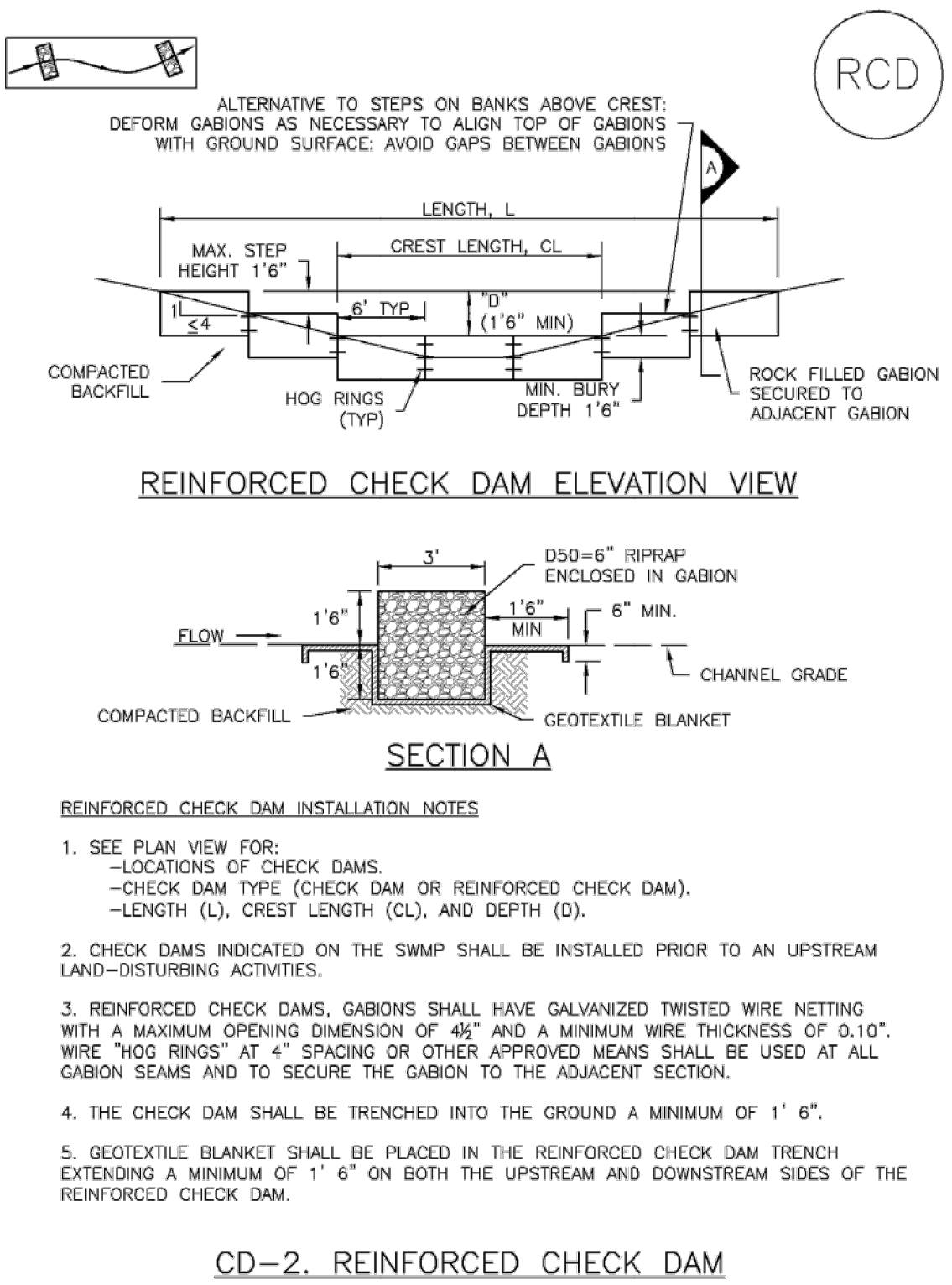
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CD-3

**Check Dams (CD) EC-12**

- CHECK DAM INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
    - LOCATION OF CHECK DAMS.
    - CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
    - LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
  - CHECK DAMS INDICATED ON INITIAL SWMP SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND DISTURBING ACTIVITIES.
  - RIPRAP UTILIZED FOR CHECK DAMS SHOULD BE OF APPROPRIATE SIZE FOR THE APPLICATION. TYPICAL TYPES OF RIPRAP USED FOR CHECK DAMS ARE TYPE M (D50 12") OR TYPE L (D50 9").
  - RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'.
  - THE ENDS OF THE CHECK DAM SHALL BE A MINIMUM OF 1' 6" HIGHER THAN THE CENTER OF THE CHECK DAM.
- CHECK DAM MAINTENANCE NOTES**
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  - SEDIMENT ACCUMULATED UPSTREAM OF THE CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.
  - CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
  - WHEN CHECK DAMS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACKFILL. DISTURBED AREA SHALL BE SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, 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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**Check Dams (CD) EC-12**



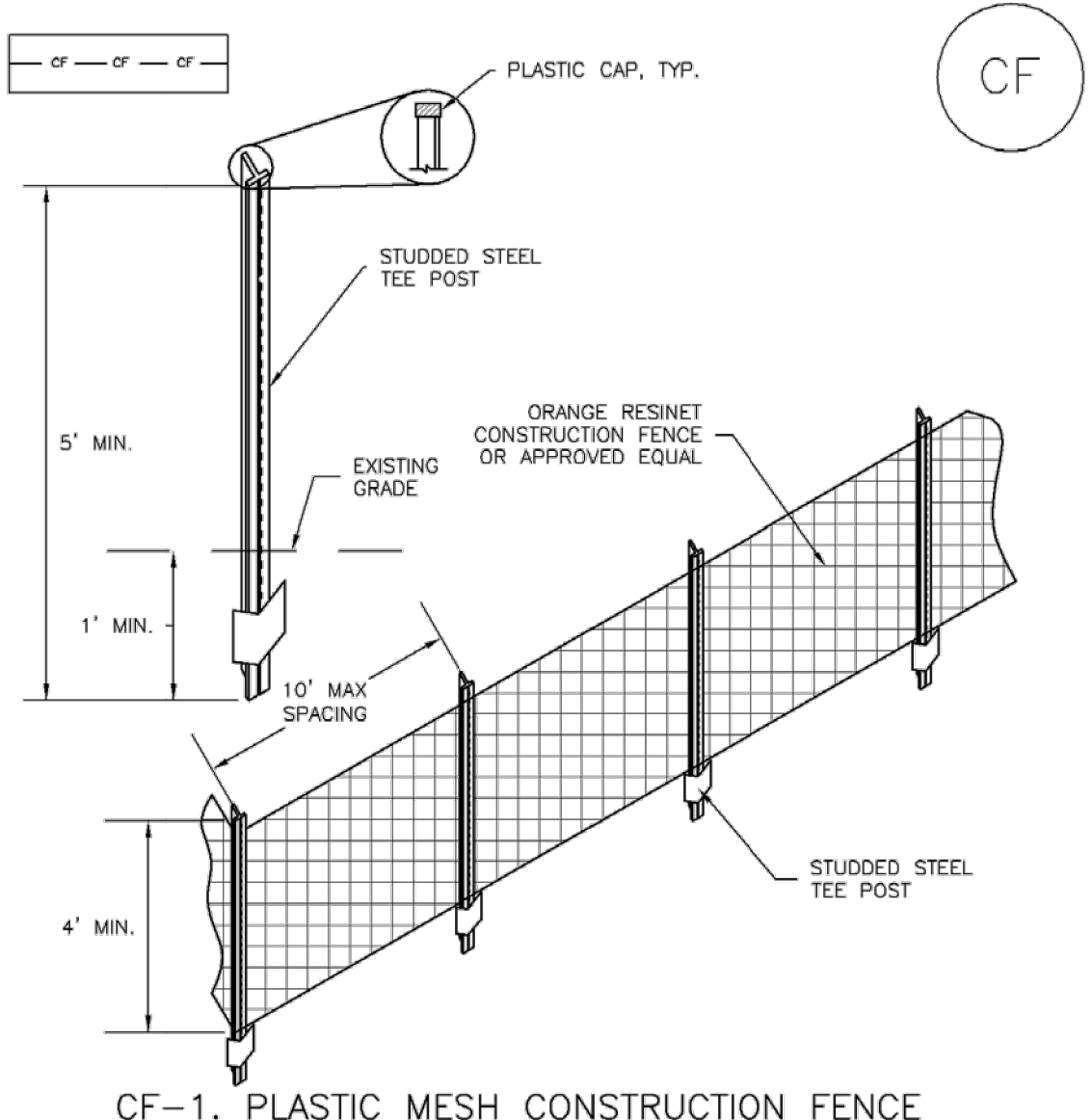
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**Check Dams (CD) EC-12**

- REINFORCED CHECK DAM 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 UPSTREAM OF REINFORCED CHECK DAMS SHALL BE REMOVED AS NEEDED TO MAINTAIN THE EFFECTIVENESS OF BMP, TYPICALLY WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN 1/2 THE HEIGHT OF THE CREST.
  - REPAIR OR REPLACE REINFORCED CHECK DAMS WHEN THERE ARE SIGNS OF DAMAGE SUCH AS HOLES IN THE GABION OR UNDERCUTTING.
  - REINFORCED CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
  - WHEN REINFORCED CHECK DAMS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, AND COVERED WITH A GEOTEXTILE BLANKET, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND CITY OF AURORA, 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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**SM-3 Construction Fence (CF)**



- CONSTRUCTION FENCE INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
    - LOCATION OF CONSTRUCTION FENCE.
  - CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
  - 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.
  - STUDDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.
  - CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

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**SM-3 Construction Fence (CF)**

- CONSTRUCTION FENCE 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.
  - 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.
  - 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.
- (DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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**Compost Blanket and Filter Berm (CB) EC-5**

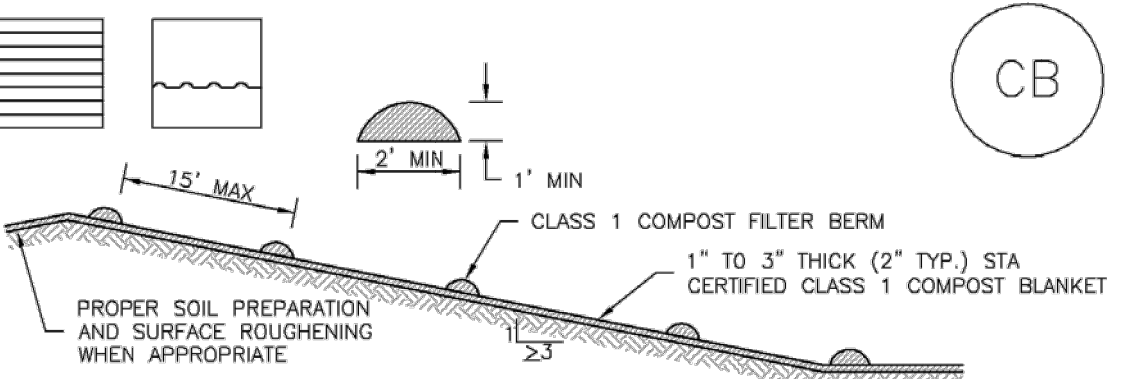


TABLE CB-1. CLASS 1 COMPOST	
PARAMETERS	CHARACTERISTIC
MINIMUM STABILITY INDICATOR	STABLE TO VERY STABLE
SOLUBLE SALTS	MAXIMUM 5 mmhos/cm
PH	6.0 - 8.0
AG INDEX	> 10
MATURITY INDICATOR EXPRESSED AS PERCENTAGE OF GERMINATION/VIGOR	80+/80+
MATURITY INDICATOR EXPRESSED AS AMMONIA N/ NITRATE N RATIO	< 4
MATURITY INDEX AS CARBON TO NITROGEN RATIO	20:1
TESTED FOR CLOPYRALID	YES/NEGATIVE RESULT
MOISTURE CONTENT	30-60%
ORGANIC MATTER CONTENT	25-45% OF DRY WEIGHT
PARTICLE SIZE DISTRIBUTION	3" (75mm) 100% PASSING
PRIMARY, SECONDARY NUTRIENTS; TRACE ELEMENTS	MUST BE REPORTED
TESTING AND TEST REPORT SUBMITTAL REQUIREMENTS	STA + CLOPYRALID
ORGANIC MATTER PER CUBIC YARD	MUST REPORT
CHEMICAL CONTAMINANTS	COMPLY WITH US EPA CLASS A STANDARD, 40 CFR 503.1 TABLES 1 & 3 LEVELS
MINIMUM MANUFACTURING/PRODUCTION REQUIREMENT	FULLY PERMITTED UNDER COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION
RISK FACTOR RELATING TO PLANT GERMINATION AND HEALTH	LOW

CB-1. COMPOST BLANKET AND COMPOST FILTER BERM

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**EC-5 Compost Blanket and Filter Berm (CB)**

- COMPOST FILTER BERM AND COMPOST BLANKET INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
    - LOCATION OF COMPOST FILTER BERM(S).
    - LENGTH OF COMPOST FILTER BERM(S).
  - COMPOST BERMS AND BLANKETS MAY BE USED IN PLACE OF STRAW MULCH OR GEOTEXTILE FABRIC IN AREAS WHERE ACCESS TO LANDSCAPING OR OTHER OBJECTS OR IN AREAS WHERE A SMOOTH TURF GRASS FINISH IS DESIRED.
  - FILTER BERMS SHALL RUN PARALLEL TO THE CONTOUR.
  - FILTER BERMS SHALL BE A MINIMUM OF 1 FEET HIGH AND 2 FEET WIDE.
  - FILTER BERMS SHALL BE APPLIED BY PNEUMATIC BLOWER OR BY HAND.
  - FILTER BERMS SHALL ONLY BE UTILIZED IN AREAS WHERE SHEET FLOW CONDITIONS PREVAIL AND NOT IN AREAS OF CONCENTRATED FLOW.
  - COMPOST BLANKETS SHALL BE APPLIED AT A DEPTH OF 1 -3 INCHES (TYPICALLY 2 INCHES). FOR AREAS WITH EXISTING VEGETATION THAT ARE TO BE SUPPLEMENTED BY COMPOST, A THIN 0.5-INCH LAYER MAY BE USED.
  - SEEDING SHALL BE PERFORMED PRIOR TO THE APPLICATION OF COMPOST. ALTERNATIVELY, SEED MAY BE COMBINED WITH COMPOST AND BLOWN WITH THE PNEUMATIC BLOWER.
  - WHEN TURF GRASS FINISH IS NOT DESIRED, SURFACE ROUGHENING ON SLOPES SHALL TAKE PLACE PRIOR TO COMPOST APPLICATION.
  - COMPOST SHALL BE A CLASS 1 COMPOST AS DEFINED BY TABLE CB-1.
- COMPOST FILTER BERM 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.
  - COMPOST BERMS AND BLANKETS SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RILLING IN THE COMPOST SURFACE OCCURS.
- (DETAILS ADAPTED FROM ARAPAHO COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)
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KHA PROJECT 019610600		LICENSED PROFESSIONAL KEVIN KOFFORD	
DATE 05/13/2021		CO LICENSE NUMBER 57234	
SCALE AS SHOWN		DRAWN BY KHTAM	
CHECKED BY TLC		DATE	
<b>EROSION CONTROL DETAILS (2)</b>			
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		EL PASO COUNTY	
SHEET NUMBER <b>12</b>			

NO.	REVISIONS	DATE	BY



