

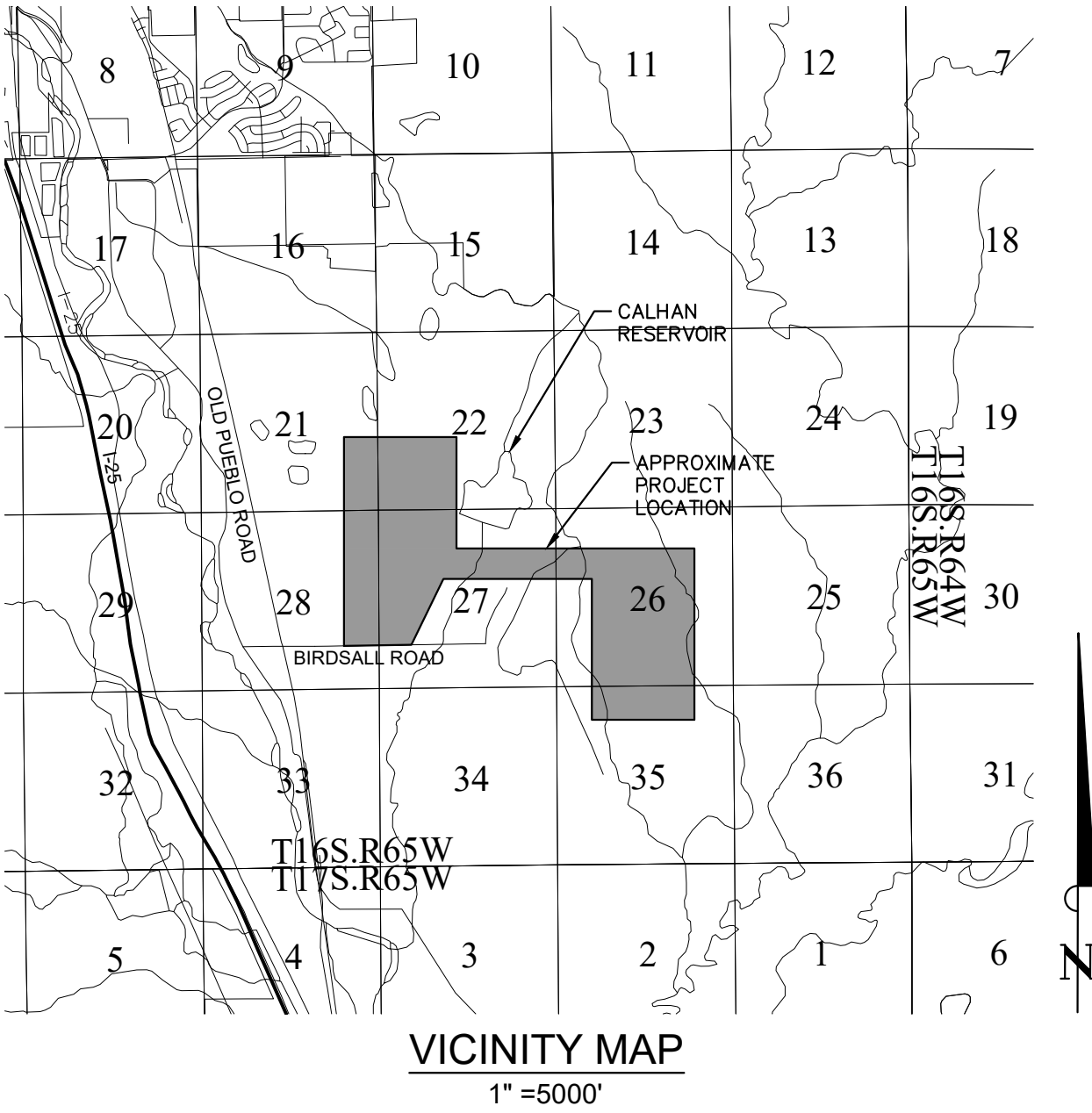
STANDARD NOTES FOR EL PASO COUNTY GRADING AND

EROSION CONTROL PLANS:

- CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PLANNING AND COMMUNITY DEVELOPMENT (PCD) AND A PRE-CONSTRUCTION CONFERENCE IS HELD WITH PCD INSPECTORS.
- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- 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 TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) AS INDICATED ON THE GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY DSD INSPECTIONS STAFF.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
- TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.
- ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPS IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).
- ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPS AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
- ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
- BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMPS MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
- INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY TERRACON CONSULTANTS AND SHALL BE CONSIDERED A PART OF THESE PLANS. REPORT NUMBER 23175117, DATED MAY 21, 2018.
- AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:  
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
WATER QUALITY CONTROL DIVISION  
WOOD -PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530  
ATTN: PERMITS UNIT

PALMER SOLAR  
GEC PLAN

SITUATED IN A PORTION OF THE SECTIONS 21, 22, 26, 27, 28, 35,  
TOWNSHIP 16 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL  
MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO  
FEBRUARY 22, 2019



SHEET INDEX

Sheet Number	Sheet Title
200	GEC PLAN COVER SHEET
201	GRADING AND EROSION OVERALL PLAN
202	GRADING AND EROSION CONTROL - BIRDSALL ROAD SITE
203	GRADING AND EROSION CONTROL- SQUIRREL CREEK SITE
204	GRADING AND EROSION CONTROL PLAN
205	GRADING AND EROSION CONTROL PLAN
206	GRADING AND EROSION CONTROL PLAN
207	GRADING AND EROSION CONTROL PLAN
208	GRADING AND EROSION CONTROL PLAN
209	GRADING AND EROSION CONTROL PLAN
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215	GRADING AND EROSION CONTROL PLAN
216	GRADING AND EROSION CONTROL PLAN
217	GRADING AND EROSION CONTROL PLAN
218	GRADING AND EROSION CONTROL PLAN
219	GRADING AND EROSION CONTROL PLAN
220	GRADING AND EROSION CONTROL PLAN
221	GRADING AND EROSION CONTROL PLAN
222	GESC DETAILS
223	GESC DETAILS
224	GESC DETAILS
225	GESC DETAILS

CONTACTS:

ENGINEER:  
KIMLEY-HORN AND ASSOCIATES, INC.  
2 NEVADA NORTH AVE., SUITE 300  
COLORADO SPRINGS, CO 80903  
TEL: (719) 453-0182  
CONTACT: ERIC GUNDERSON, P.E.

SURVEYOR:  
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177 S. TIFFANY DRIVE, UNIT 1  
PUEBLO WEST, CO 81007  
TEL: (719) 582-1270  
CONTACT: NATHANIEL MAESTAS, PLS

GEOTECHNICAL ENGINEER:  
TERRACON CONSULTANTS, INC.  
4172 CENTER PARK DRIVE  
COLORADO SPRINGS, CO 80916  
TEL: (719) 597-2116  
CONTACT: ROBERT HERNANDEZ, PE

EL PASO COUNTY ENGINEERING:  
3275 AKERS DR.  
COLORADO SPRINGS, CO 80922  
PHONE: (719) 520-7877  
CONTACT: JEFF RICE

DEVELOPER:  
CSI CONSTRUCTION GROUP  
1710 29th STREET, SUITE 1068  
BOULDER, CO 80301  
TEL: (720) 838-2285  
CONTACT: DARNELL EVERETT

LAND AREA:

30,970,372 SQ. FT. OR 711 ACRES MORE OR LESS

BASIS OF BEARING:

BEARINGS AS USED HEREIN ARE BASED ON THE WEST LINE OF THE NORTHWEST QUARTER (NW¼) OF SECTION 27, TOWNSHIP 16 SOUTH, RANGE 65 WEST OF THE 6TH P.M., BEING MONUMENTED AT THE NORTH END BY A FOUND 2-1/2" ALUMINUM CAP STAMPED "PLS 22095", FLUSH WITH GRADE, AND AT THE SOUTH END BY A FOUND 2-1/2" ALUMINUM CAP STAMPED "PLS 22095, FLUSH WITH GRADE, AND MEASURED TO BEAR S00°50'46"E, A DISTANCE OF 2643.10 FEET.

BENCHMARK:

SOUTHWEST CORNER OF SECTION 22, T16S, R65W. BEING MONUMENTED BY A 2-1/2" ALUMINUM CAP STAMPED "PLS 22095" ELEVATION: 5494.00 (NAVD 88).

LEGAL DESCRIPTION

SITUATION IN A PORTION SECTIONS 21, 22, 26, 27, 28, 35, TOWNSHIP 16 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO

SOIL TYPE:

THE SOIL ON SITE IS USGS HYDROLOGIC SOIL GROUPS C& D.

FLOOD ZONE DESIGNATION

FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, MAP NUMBERS 08041C0970G & 08041C1160G EFFECTIVE DATE DECEMBER 7, 2018 INDICATES THIS PARCEL OF LAND IS LOCATED IN ZONE X (OUT OF THE 500 YEAR FLOODPLAIN)

SITE INFORMATION:

TIMING:

ANTICIPATED STARTING AND COMPLETION TIME PERIOD OF SITE GRADING:  
START: SPRING 2019  
END: FALL 2019

EXPECTED DATE ON WHICH THE FINAL STABILIZATION WILL BE COMPLETE:  
SUMMER 2020

AREAS:

TOTAL WSE-0 AREA: 711 ACRES  
TOTAL DISTURBED AREA: 559 ACRES  
TOTAL AREA OF PERMANENT INFRASTRUCTURE: 407 ACRES

RECEIVING WATERS:

NAME OF RECEIVING WATERS: FOUNTAIN CREEK

DESCRIPTION OF EXISTING VEGETATION:

THE EXISTING SITE IS CURRENTLY UNDEVELOPED AND GROUND COVER CONSISTS OF 100% WEEDS, BRUSH, GRASSES, AND TREES.

DESCRIPTION OF PERMANENT BMPS:

NATURAL VEGETATION AND CHECK DAMS

<b>OWNER'S SIGNATURE BLOCK</b>		
THE OWNER WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.		
DATE		
<b>ENGINEER'S SIGNATURE BLOCK</b>		
THE 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 ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS REPORT.		
ERIC GUNDERSON, PE - KIMLEY-HORN AND ASSOCIATES, INC. DATE		
<b>EL PASO COUNTY REVIEW STATEMENT</b>		
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, AND ENGINEERING CRITERIA MANUAL AS AMENDED.		
DATE		

PALMER SOLAR  
GEC PLAN COVER  
SHEET  
EL PASO COUNTY, CO

Kimley»Horn

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COLORADO SPRINGS, CO 80903 (719) 453-0180



DESIGNED EJG	DRAWN KRK	CHECKED EJG
SCALE (H): SCALE (V):		
DATE: FEBRUARY 22, 2019		
PROJECT NO. 096495003		
DWG. NAME 096495003_EC_CV		
SHEET NO. 200		

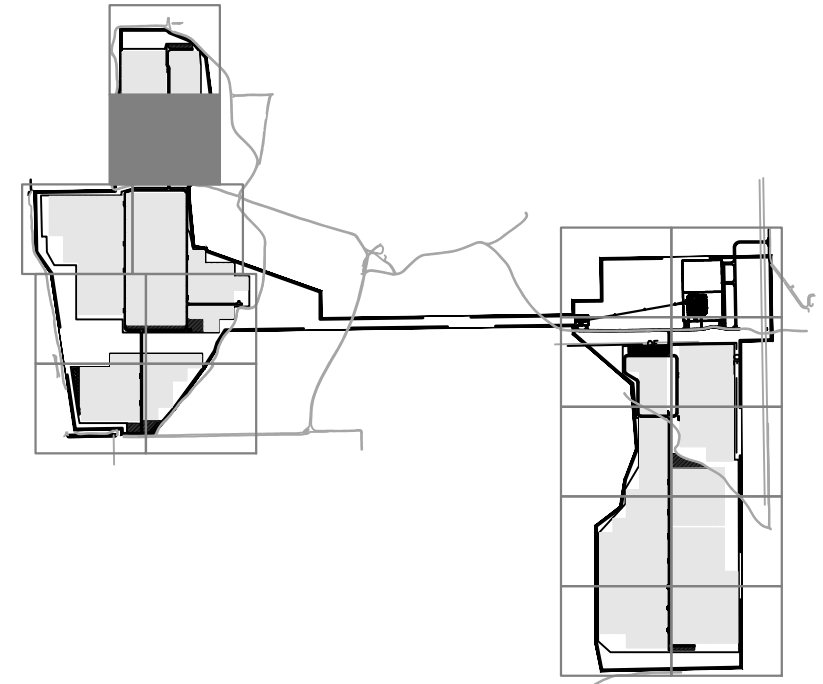
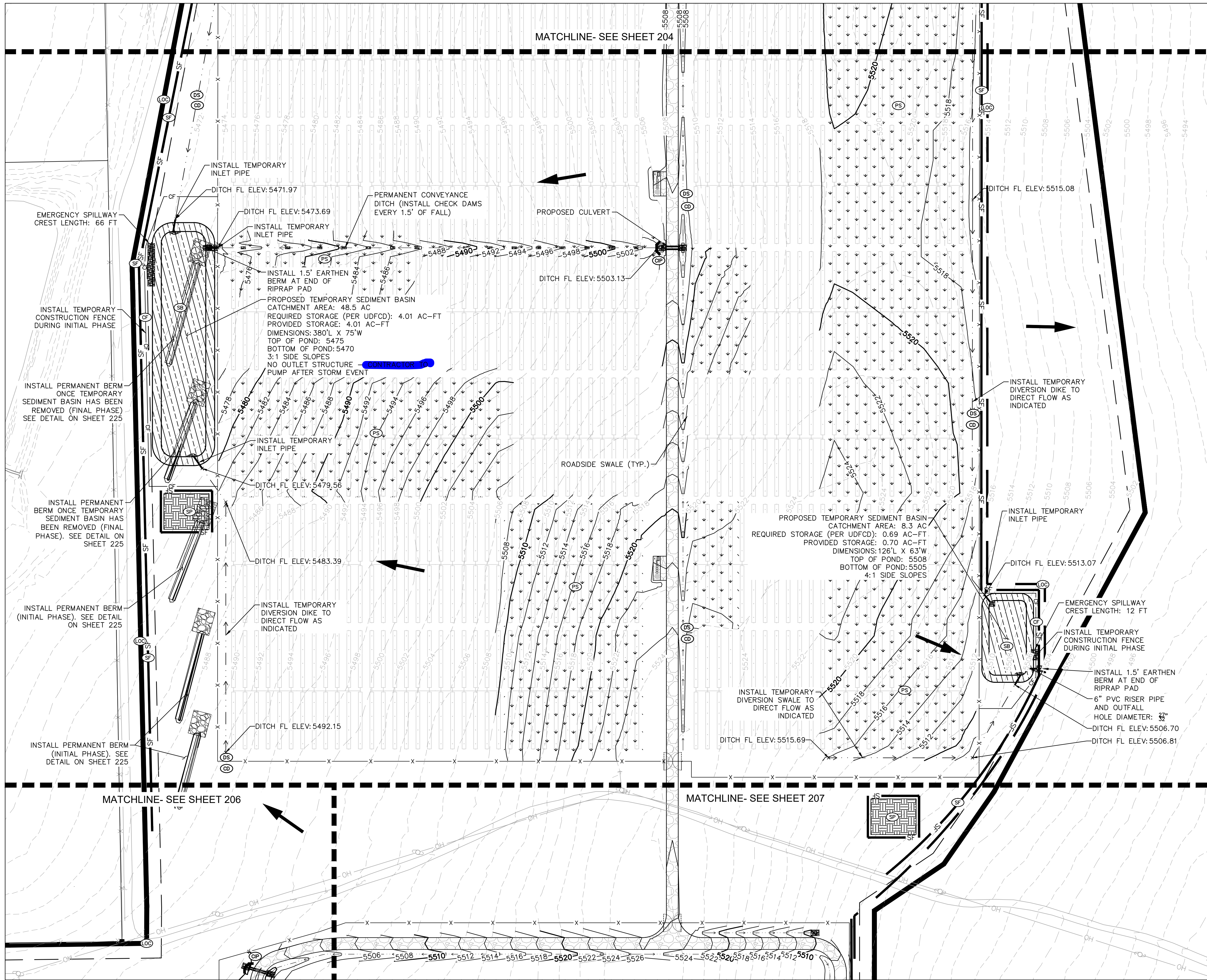
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GRADING AND EROSION CONTROL PLAN-SUBMITTAL



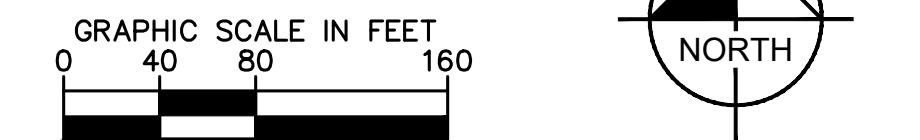
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KEY MAP	
LEGEND	PROPERTY LINE
	LIMITS OF CONSTRUCTION
	PERMANENT FENCE
	CONSTRUCTION FENCE
	SILT FENCE
	STRAW BALES
	DRAINAGE SWALE/DIKE
	CHECK DAM
	STABILIZED STAGING AREA
	CONCRETE WASHOUT
	VEHICLE TRACKING CONTROL
	CULVERT INLET PROTECTION
	SOIL STOCKPILE
	TEMPORARY SEDIMENT BASIN
	OVERLAND FLOW ARROW
	PERMANENT SEEDING
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	ROADSIDE SWALE

LIMITS OF CONSTRUCTION	
ONSITE IMPROVEMENTS	= ±557.5 ACRES
OFFSITE IMPROVEMENTS	= ±1.5 ACRES
TOTAL	= ±559 ACRES

- NOTES**
- 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.
  - THIS PLAN SHOWS BOTH INITIAL AND FINAL BMP. REFERENCE SHEET 201 FOR PHASING AND SEQUENCING PLAN.
  - CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AT THE CONSTRUCTION ENTRANCE AT ALL TIMES. CONTRACTOR SHALL UPDATE THE EROSION CONTROL PLAN IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, AND CWA BMPS AS EXCAVATION SEQUENCING DICTATES.
  - CHECK DAMS TO BE SPACED ALONG ALL TEMPORARY AND PERMANENT DRAINAGE SWALES AND DITCHES PER UDFCD DETAILS (ONE CHECK DAM PER 1.5 FEET OF FALL). SCL MAY BE USED IN PLACE OF RIP RAP FOR ROADSIDE SWALES OR TEMPORARY DIVERSION DITCHES.
  - FOR GRADING OF PERMANENT CHECK DAMS AND CHANNELS, SEE SHEETS 127 TO 144.



PALMER SOLAR  
GRADING AND EROSION  
CONTROL PLAN  
EL PASO COUNTY, CO

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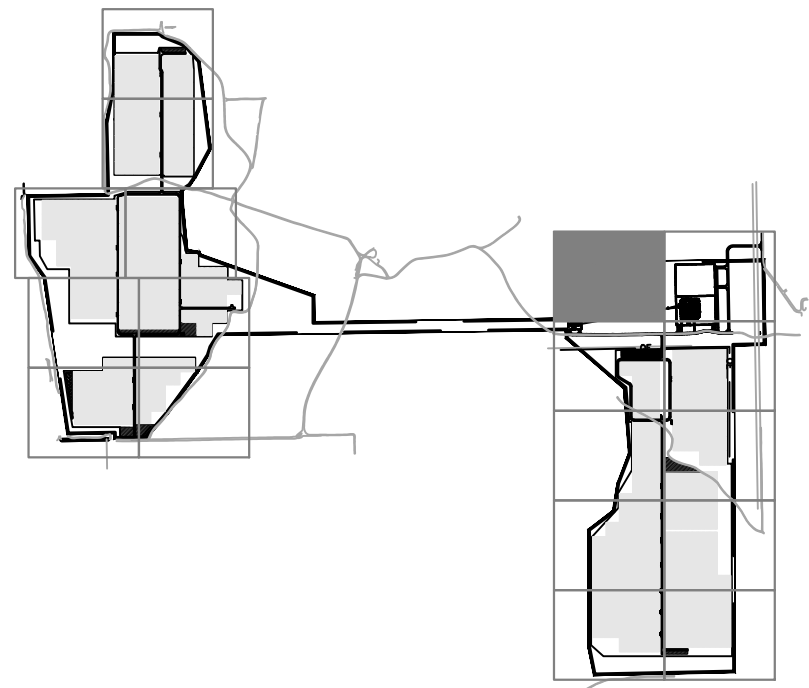
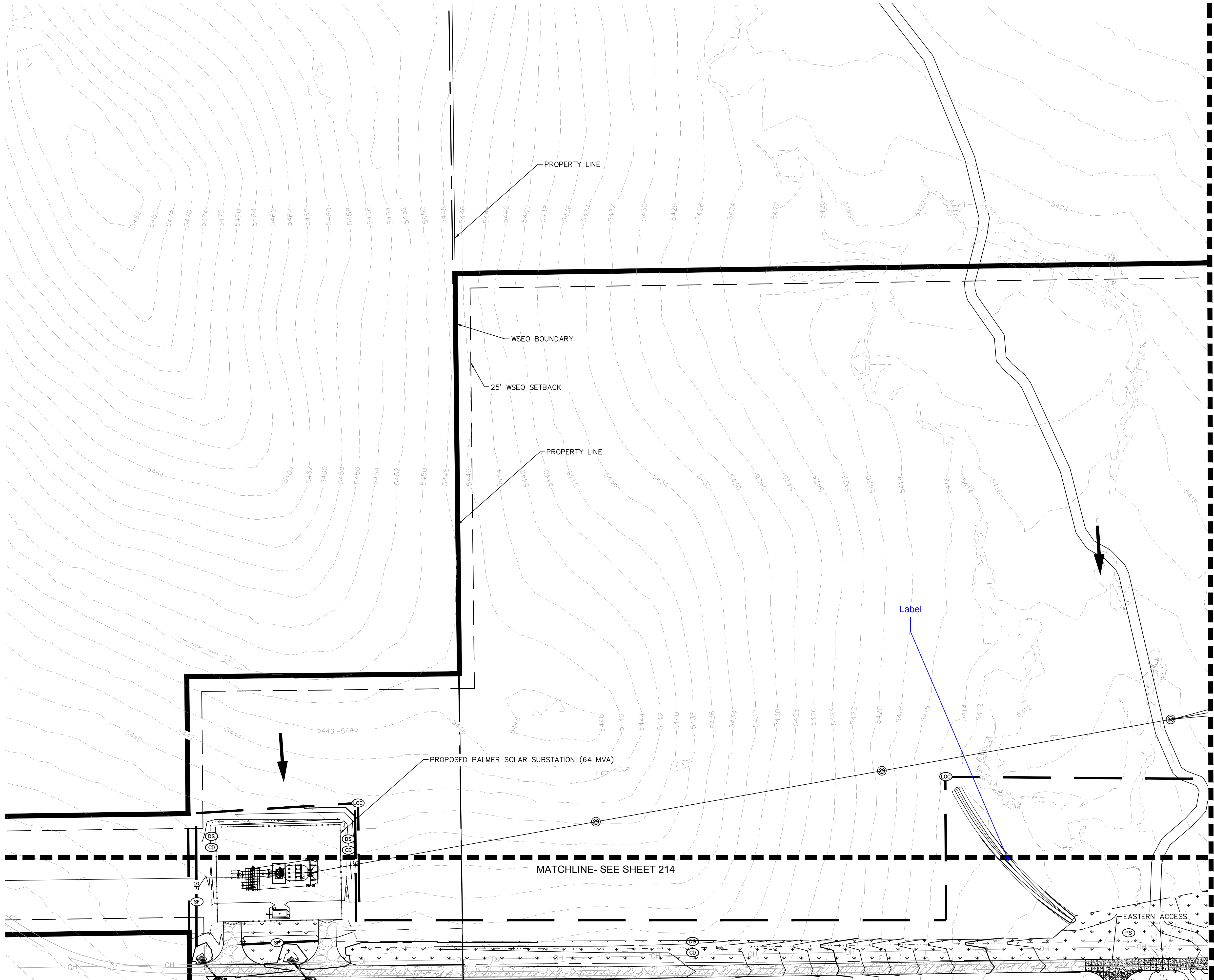
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SCALE (H): 1" = 80' SCALE (V):		
DATE: FEBRUARY 22, 2019		
PROJECT NO. 096495003		
DWG. NAME 096495003_EC		

SHEET NO.  
**205**

GRADING AND EROSION CONTROL PLAN-SUBMITTAL


















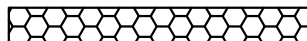















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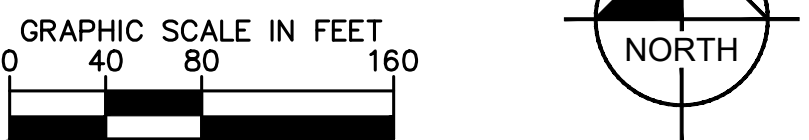
# KEY MAP

## LEGEND

	PROPERTY LINE		LIMITS OF CONSTRUCTION
 			PERMANENT FENCE
			CONSTRUCTION FENCE
			SILT FENCE
			STRAW BALES
			DRAINAGE SWALE/DIKE
	CHECK DAM		SSA STABILIZED STAGING AREA
			CWA CONCRETE WASHOUT
	VTC VEHICLE TRACKING CONTROL		CIP CULVERT INLET PROTECTION
			SP SOIL STOCKPILE
	SB TEMPORARY SEDIMENT BASIN		OVERLAND FLOW ARROW
			PS PERMANENT SEEDING
			
	EXISTING MINOR CONTOUR		
	EXISTING MAJOR CONTOUR		
	PROPOSED MINOR CONTOUR		
	PROPOSED MAJOR CONTOUR		
	ROADSIDE SWALE		

LIMITS OF CONSTRUCTION	
ONSITE IMPROVEMENTS	= ±557.5 ACRES
OFFSITE IMPROVEMENTS	= ±1.5 ACRES
TOTAL	= ±559 ACRES

- NOTES**
1. 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.
  2. THIS PLAN SHOWS BOTH INITIAL AND FINAL BMP. REFERENCE SHEET 201 FOR PHASING AND SEQUENCING PLAN.
  3. CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AT THE CONSTRUCTION ENTRANCE AT ALL TIMES. CONTRACTOR SHALL UPDATE THE EROSION CONTROL PLAN IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, AND CWA BMPs AS EXCAVATION SEQUENCING DICTATES.
  4. CHECK DAMS TO BE SPACED ALONG ALL TEMPORARY AND PERMANENT DRAINAGE SWALES AND DITCHES PER UDFCD DETAILS (ONE CHECK DAM PER 1.5 FEET OF FALL). SCL MAY BE USED IN PLACE OF RIP RAP FOR ROADSIDE SWALES OR TEMPORARY DIVERSION DITCHES.
  5. FOR GRADING OF PERMANENT CHECK DAMS AND CHANNELS, SEE SHEETS 127 TO 144.



PALMER SOLAR  
GRADING AND EROSION  
CONTROL PLAN  
EL PASO COUNTY, CO

**Kimley»Horn**

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SCALE (V):		
DATE: FEBRUARY 22, 2019		
PROJECT NO. 096495003		
DWG. NAME 096495003_EC		

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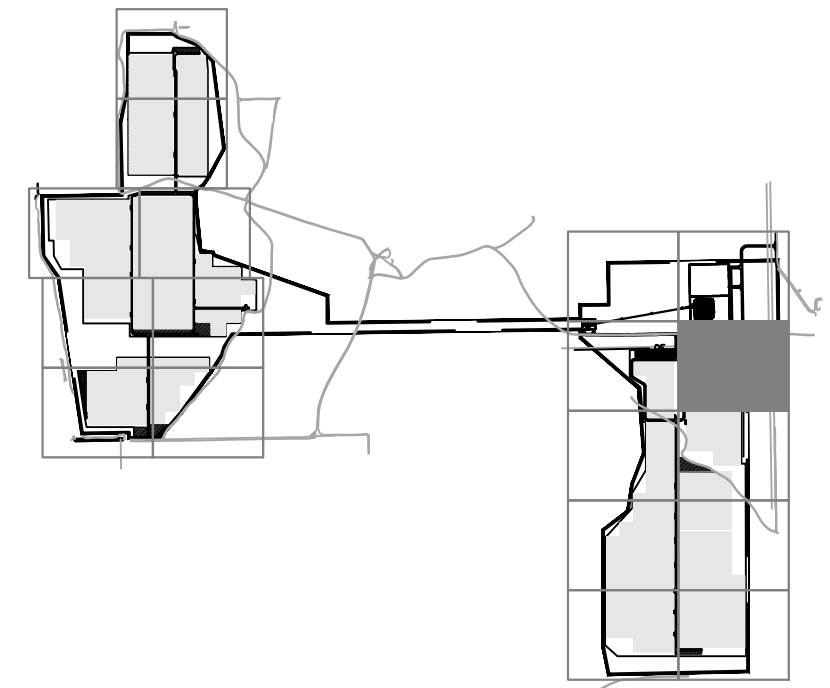
PROFESSIONAL ENGINEER

1/22/19

GRADING AND EROSION CONTROL PLAN—PLAN SUBMITTAL



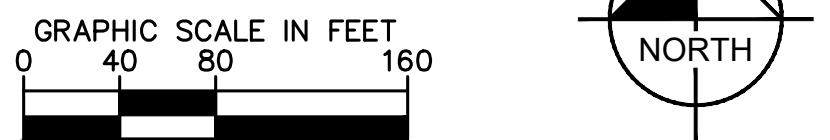
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LEGEND	
---	PROPERTY LINE
---	LIMITS OF CONSTRUCTION
X	PERMANENT FENCE
CF	CONSTRUCTION FENCE
SF	SILT FENCE
---	STRAW BALES
---	DRAINAGE SWALE/DIKE
CD	CHECK DAM
SSA	STABILIZED STAGING AREA
CWA	CONCRETE WASHOUT
VTC	VEHICLE TRACKING CONTROL
CIP	CULVERT INLET PROTECTION
SP	SOIL STOCKPILE
SB	TEMPORARY SEDIMENT BASIN
---	OVERLAND FLOW ARROW
PS	PERMANENT SEEDING
---	EXISTING MINOR CONTOUR
---	EXISTING MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	ROADSIDE SWALE

LIMITS OF CONSTRUCTION	
ONSITE IMPROVEMENTS	= ±557.5 ACRES
OFFSITE IMPROVEMENTS	= ±1.5 ACRES
TOTAL	= ±559 ACRES

- NOTES**
1. 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.
  2. THIS PLAN SHOWS BOTH INITIAL AND FINAL BMP. REFERENCE SHEET 201 FOR PHASING AND SEQUENCING PLAN.
  3. CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AT THE CONSTRUCTION ENTRANCE AT ALL TIMES. CONTRACTOR SHALL UPDATE THE EROSION CONTROL PLAN IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, AND CWA BMPS AS EXCAVATION SEQUENCING DICTATES.
  4. CHECK DAMS TO BE SPACED ALONG ALL TEMPORARY AND PERMANENT DRAINAGE SWALES AND DITCHES PER UDFCD DETAILS (ONE CHECK DAM PER 1.5 FEET OF FALL). SCL MAY BE USED IN PLACE OF RIP RAP FOR ROADSIDE SWALES OR TEMPORARY DIVERSION DITCHES.
  5. FOR GRADING OF PERMANENT CHECK DAMS AND CHANNELS, SEE SHEETS 127 TO 144.



PALMER SOLAR  
GRADING AND EROSION  
CONTROL PLAN  
EL PASO COUNTY, CO

**Kimley»Horn**

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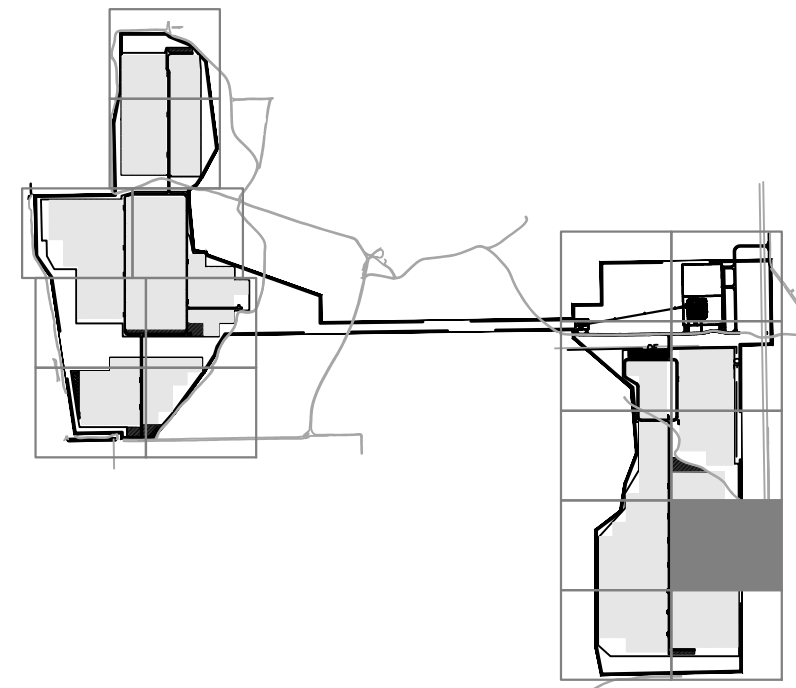
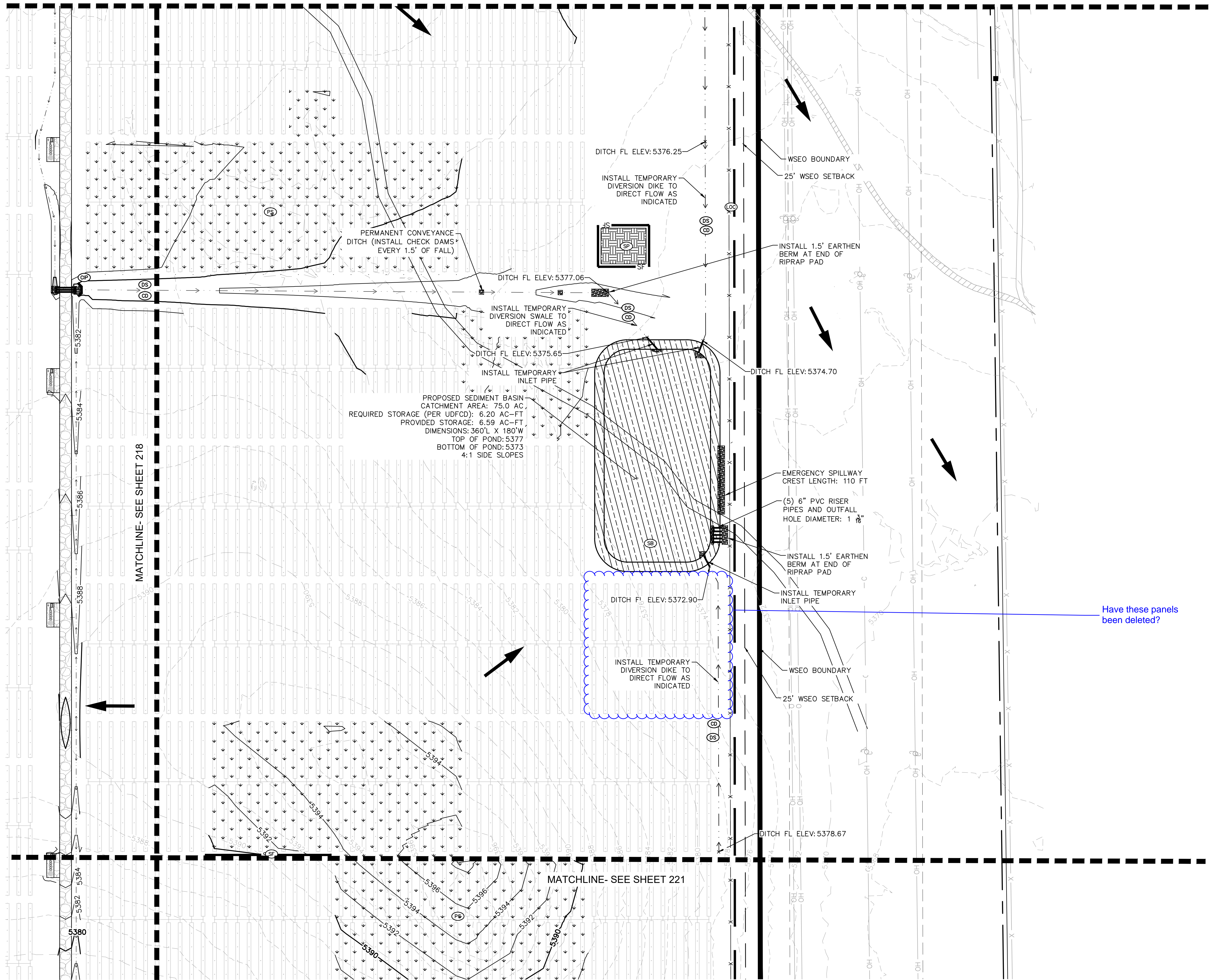
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SCALE (H): 1" = 80'	SCALE (V):	
DATE: FEBRUARY 22, 2019	PROJECT NO. 096495003	SHEET NO. 215
DWG. NAME 096495003_EC		



GRADING AND EROSION CONTROL PLAN-SUBMITTAL



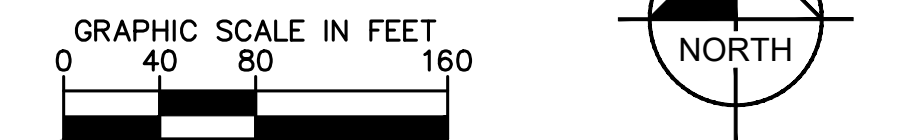
MATCHLINE- SEE SHEET 217



KEY MAP	
LEGEND	PROPERTY LINE
---	LIMITS OF CONSTRUCTION
X	PERMANENT FENCE
CF	CONSTRUCTION FENCE
SF	SILT FENCE
SB	STRAW BALES
DS	DRAINAGE SWALE/DIKE
CD	CHECK DAM
SSA	STABILIZED STAGING AREA
CWA	CONCRETE WASHOUT
VTC	VEHICLE TRACKING CONTROL
CIP	CULVERT INLET PROTECTION
SP	SOIL STOCKPILE
SB	TEMPORARY SEDIMENT BASIN
←	OVERLAND FLOW ARROW
PS	PERMANENT SEEDING
- - - 5496 - - -	EXISTING MINOR CONTOUR
- - - 5496 - - -	EXISTING MAJOR CONTOUR
- - - 5496 - - -	PROPOSED MINOR CONTOUR
- - - 5496 - - -	PROPOSED MAJOR CONTOUR
- - - 5496 - - -	ROADSIDE SWALE

LIMITS OF CONSTRUCTION	
ONSITE IMPROVEMENTS	= ±557.5 ACRES
OFFSITE IMPROVEMENTS	= ±1.5 ACRES
TOTAL	= ±559 ACRES

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DESIGNED EJG	DRAWN KRK	CHECKED EJG
SCALE (H): 1" = 80'		
SCALE (V):		
DATE: FEBRUARY 22, 2019		
PROJECT NO. 096495003		
DWG. NAME 096495003_EC		

SHEET NO.  
**219**

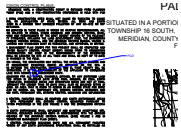
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GRADING AND EROSION CONTROL PLAN-SUBMITTAL

# Grading and Erosion Control Plan\_V1B.pdf Markup Summary


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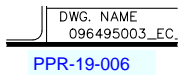
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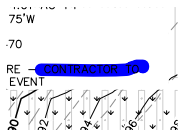
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PPR-19-006

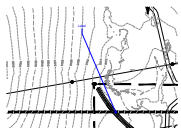
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see comment letter

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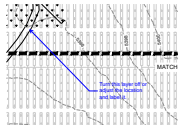
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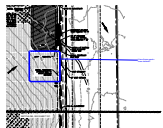
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PLAN

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