

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 AND A PRECONSTRUCTION CONFERENCE IS HELD WITH PLANNING AND COMMUNITY DEVELOPMENT INSPECTIONS.
- 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 (SWMP) 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 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 PCD 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), APPENDIX E CHECKLISTS AND PERMITS ADOPTED: 12/23/2004 REVISED: 12/13/2016 REVISION 8.
- 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 OFF-SITE 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. APPENDIX E CHECKLISTS AND PERMITS ADOPTED: 12/23/2004 REVISED: 12/13/2016 REVISION 8.
- 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 OWNER HAS HAD A PAVEMENT EVALUATION REPORT PREPARED BY PARTNER ASSESSMENT CORPORATION/AMERICAN GEOSERVICES LLC DATED 11-17-16 AND PERTINENT RECOMMENDATIONS CONTAINED THEREIN HAVE BEEN FOLLOWED IN THE PREPARATION OF THIS GEC PLAN. ADDITIONALLY, SOILS INFORMATION WAS DERIVED FROM THE NATURAL RESOURCES CONSERVATION SERVICE.
- 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 WQCD - PERMITS 4300 CHERRY CREEK DRIVE SOUTH DENVER, CO 80246-1530 ATTN: PERMITS UNIT.

PRE-EXCAVATION CHECKLIST

- GAS AND OTHER UTILITY LINES SHOWN ON CONSTRUCTION PLANS
- UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) - TO BE CALLED AT LEAST TWO (2) BUSINESS DAYS AHEAD.
- UTILITIES LOCATED & MARKED
- EMPLOYEES BRIEFED ON MARKING AND COLOR CODES\*
- EMPLOYEES TRAINED ON EXCAVATION AND SAFETY PROCEDURES FOR NATURAL GAS LINES
- WHEN EXCAVATION APPROACHES GAS LINES, EMPLOYEES MUST EXPOSE LINES BY CAREFUL PROBING AND HAND DIGGING

\*STANDARD UTILITY MARKING COLOR CODE

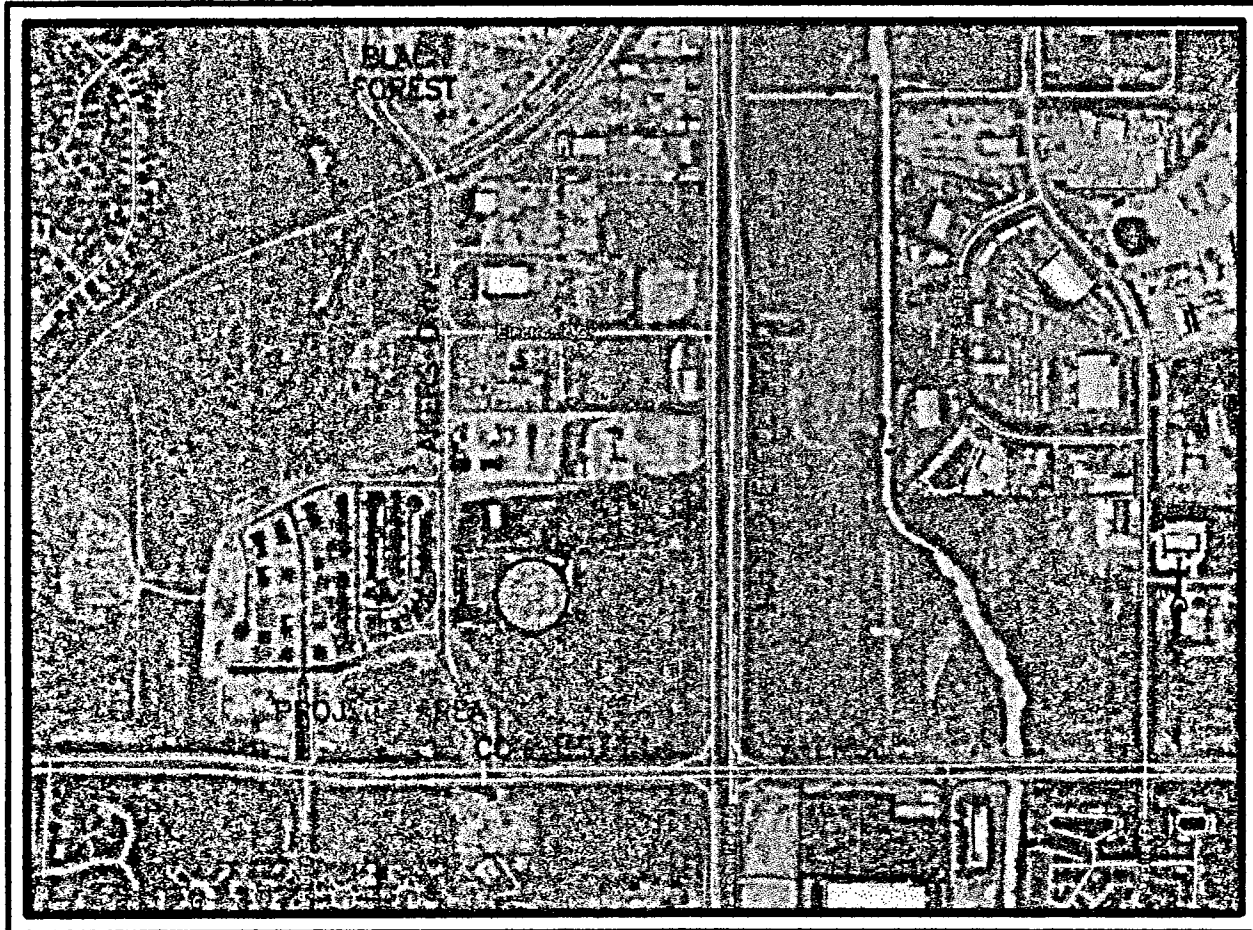
NATURAL GAS - YELLOW  
ELECTRIC - RED  
WATER - BLUE  
WASTEWATER - GREEN  
IF YOU DAMAGE A GAS LINE, SMELL GAS OR HAVE A GAS EMERGENCY, CALL THE GAS DEPARTMENT.  
CALL TWO (2) BUSINESS DAYS BEFORE YOU DIG, FOR LOCATIONS MONDAY-FRIDAY FROM 7 A.M.-5 P.M.  
CALL 1-800-922-1987. FOR EMERGENCY LOCATIONS DURING NON-BUSINESS HOURS CALL 520-0022. (NO CHARGE FOR THIS SERVICE)

# LOT 8 AKERS ACRES

## EL PASO COUNTY, COLORADO

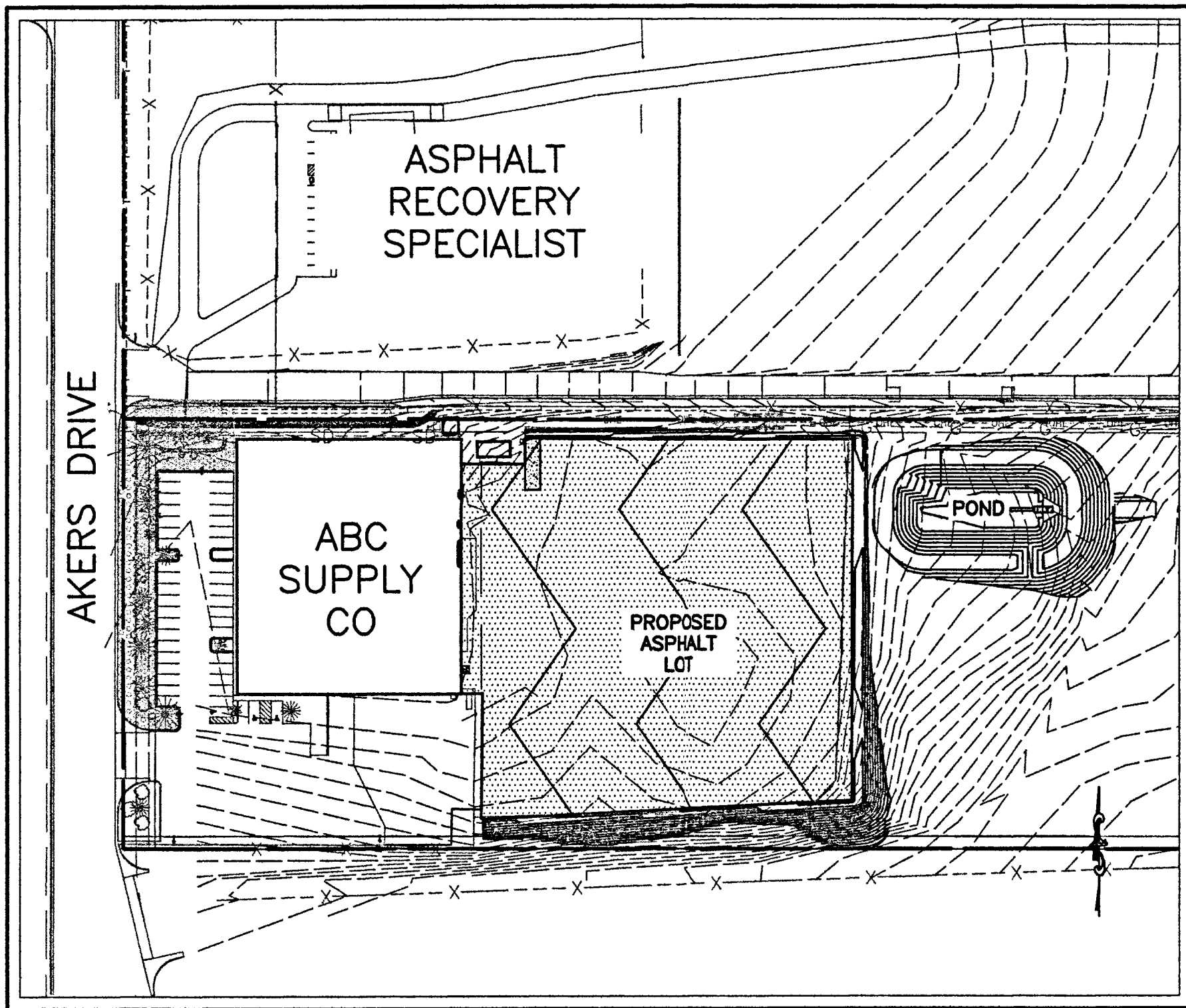
### GRADING & DRAINAGE IMPROVEMENTS

# GRADING & EROSION CONTROL PLANS

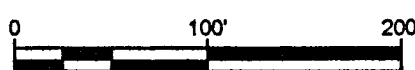


VICINITY MAP

NTS



LOCATION MAP

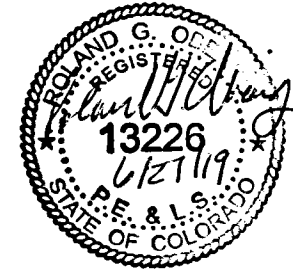


SIGNATURE BLOCK

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 ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS REPORT.

NAME Jennifer M. Irvine

DATE 6/27/19



OWNER'S STATEMENT:

THE OWNER WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

NAME Dan P. D.

DATE 7/3/19

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, 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 DIRECTOR'S DISCRETION.

APPROVED \*

Engineering Department

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

DATE

07/15/2019 10:35:00 AM

dsnjkamp

EPC Planning & Community Development Department

Condition: \*pond embankment may not be constructed until geotechnical report has been submitted, and approved by PCD.

OWNER/APPLICANT

ABC SUPPLY - COLORADO SPRINGS, CO

2675 AKERS DR

COLORADO SPRINGS, CO 80922-1502

P: (719) 380-9911

F: (719) 380-9907

CONSULTANT/ENGINEER

OBERING, WURTH & ASSOCIATES

CONSULTING CIVIL ENGINEERS

PROFESSIONAL LAND SURVEYORS

1042 ELKTON DRIVE

COLORADO SPRINGS, COLORADO

PHONE (719) 531-6200 - FAX (719) 531-6266

OWACIVIL1@MINDSPRING.COM

SHEET INDEX

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**FINAL PLANS**  
**THURSDAY, JUNE 27, 2019**

REVIEWED FOR CONSTRUCTION:

BY

DATE

SCALE:  
HORIZONTAL: NOTED  
VERTICAL:

BENCHMARK:

REVISIONS:

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PCD FILE NO. PPR 1848



SHEET TITLE:  
**GRADING & EROSION CONTROL COVER & NOTES**

PROJECT:  
**LOT 8 AKERS ACRES  
COLORADO SPRINGS, COLORADO  
GRADING & DRAINAGE IMPROVEMENTS**

PREPARED BY:  
**Obering, Wurth & Associates**  
Consulting Civil Engineers  
Professional Land Surveyors

1042 Elkton Drive  
Colorado Springs, Colorado  
Phone (719) 531-6200 - Fax (719) 531-6266  
E-mail Address: owacivil1@mindspring.com

FIELD BOOK NO. N/A  
SCALE: NOTED  
DATE:

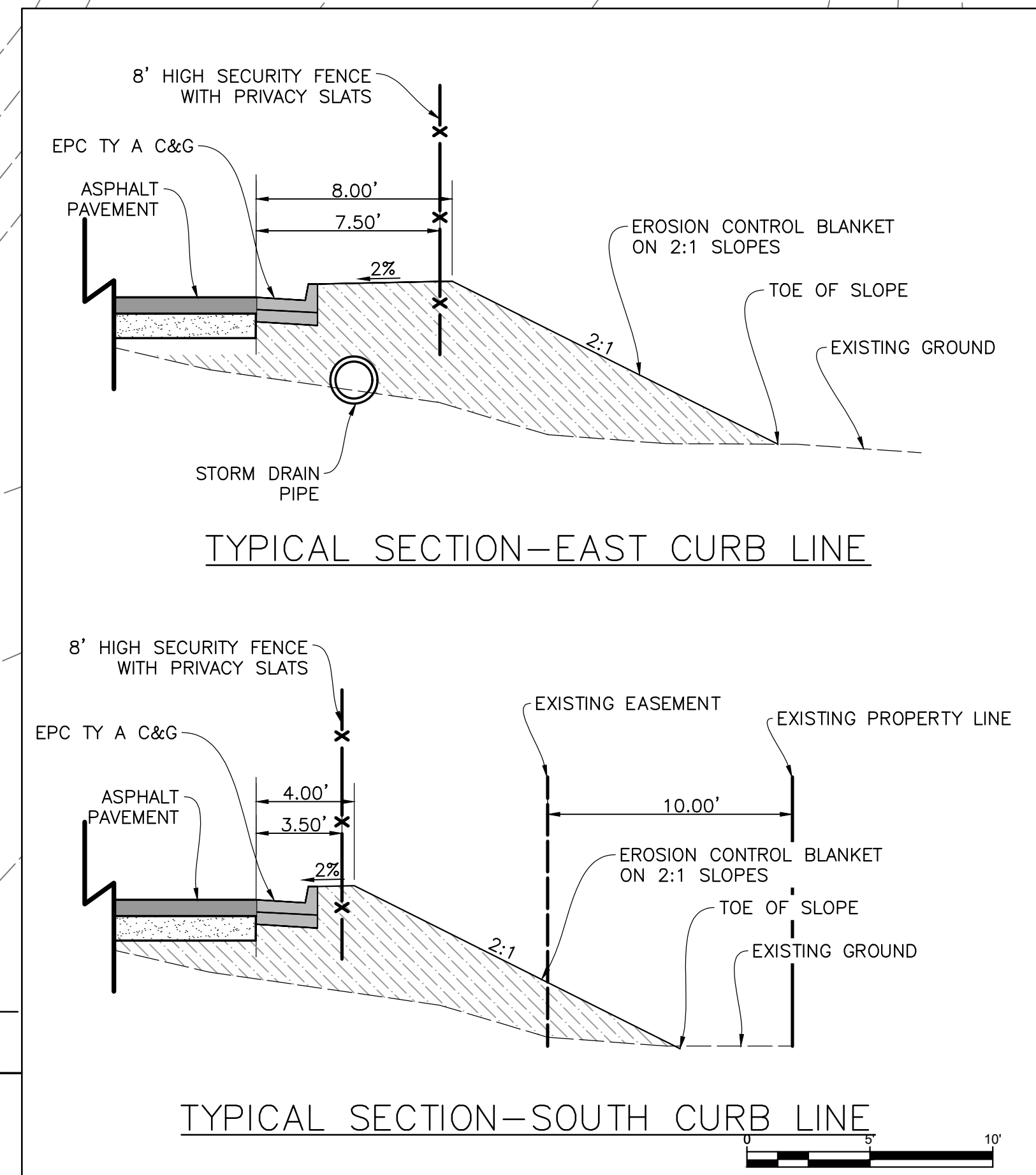
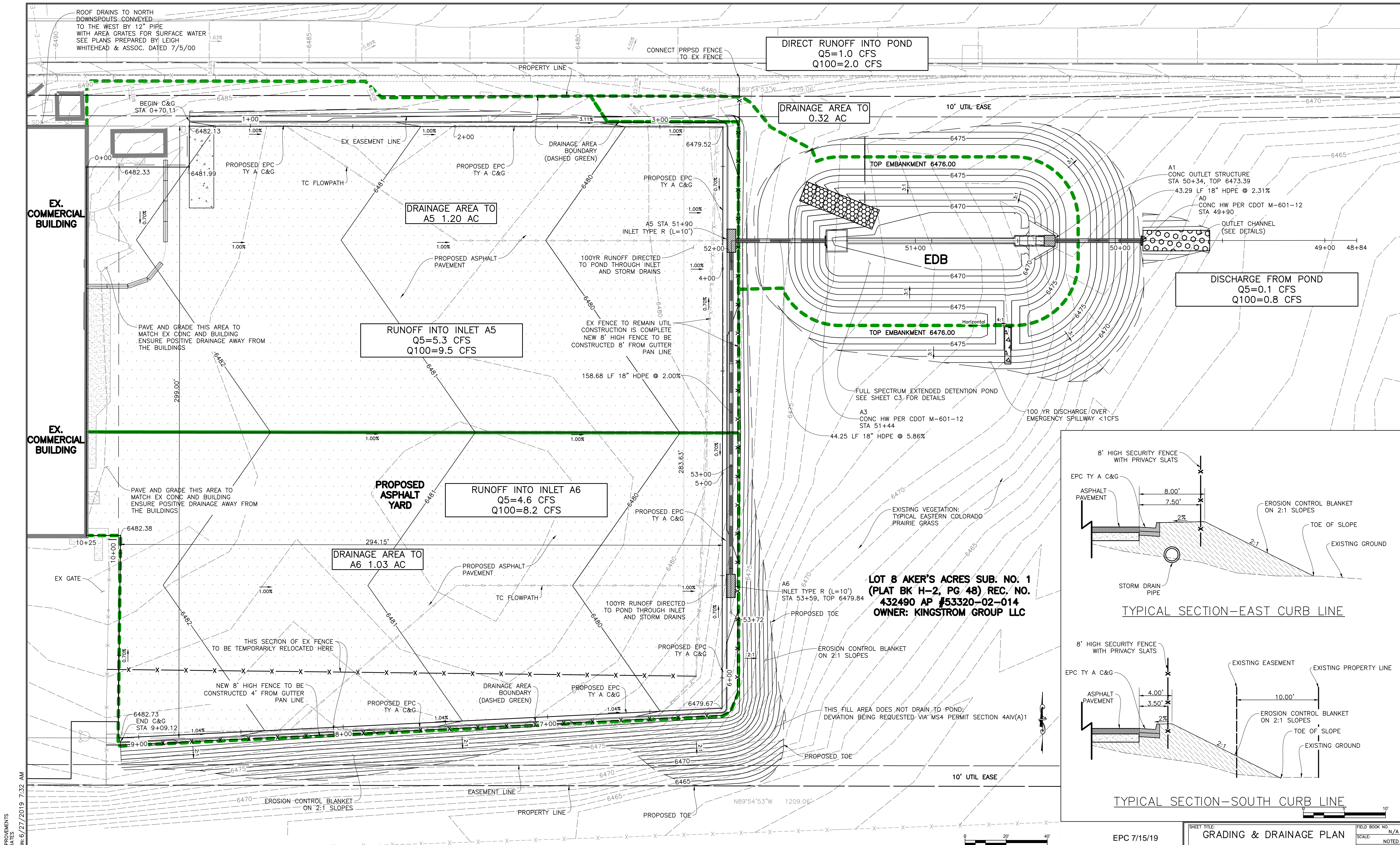
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CHECKED BY: RGO  
DRAWN BY: CLD

PROJECT NO. 18022  
SHEET NO.

**C1**

OF 8 SHEETS





**FINAL PLANS**  
**THURSDAY, JUNE 27, 2019**

PROJECT NAME: STAGECO DRAINAGE IMPROVEMENTS  
DRAWN BY: C. WILSON, MURTH & ASSOCIATES  
PROJECT NO. 18020 UPDATED VERSION: 6/27/2019 7:32 AM

REVIEWED FOR CONSTRUCTION:  
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DATE \_\_\_\_\_

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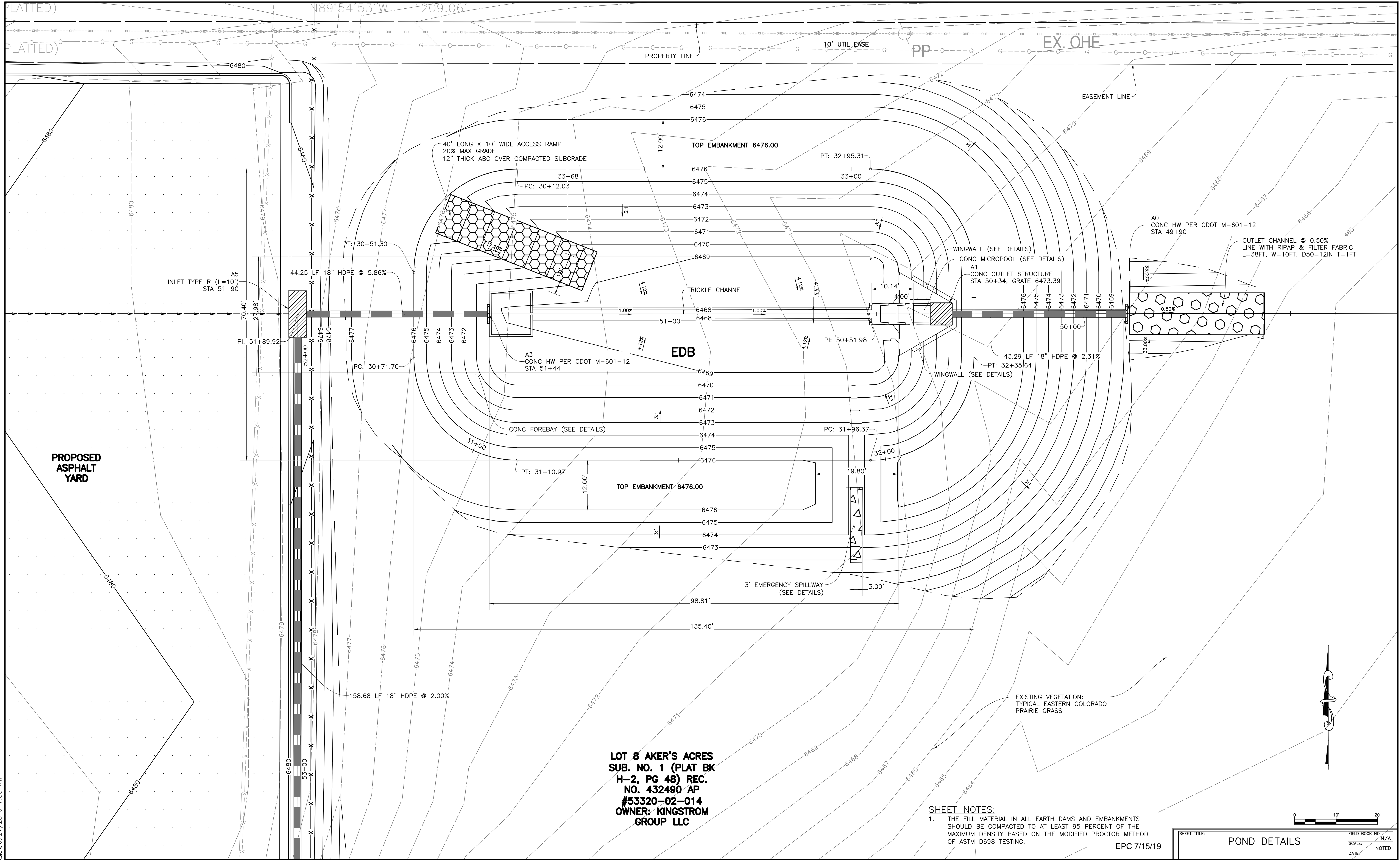
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**811**  
Know what's below.  
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SHEET TITLE: <b>GRADING &amp; DRAINAGE PLAN</b>		FIELD BOOK NO. N/A
PROJECT: <b>LOT 8 AKERS ACRES COLORADO SPRINGS, COLORADO GRADING &amp; DRAINAGE IMPROVEMENTS</b>		SCALE: NOTED
PREPARED BY: <b>Obering, Wurth &amp; Associates</b> Consulting Civil Engineers Professional Land Surveyors 1042 Elkton Drive Colorado Springs, Colorado Phone (719) 531-6200 - Fax (719) 531-6266 E-mail Address: owacivil@mindspring.com		DATE: 
DESIGNED BY: CLD		CHECKED BY: RGO
DRAWN BY: CLD		PROJECT NO. 18022
SHEET NO. <b>C2</b>		OF 8 SHEETS





PROJECT NAME: STAGECO DRAINAGE IMPROVEMENTS  
DRAWN BY: C. WURTH, MURTH & ASSOCIATES  
PROJECT NO. 18020  
UPDATED VERSION: 6/27/2019 7:33 AM

FINAL PLANS

THURSDAY, JUNE 27, 2019

REVIEWED FOR CONSTRUCTION:

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DATE \_\_\_\_\_

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DATE: \_\_\_\_\_

DESIGNED BY: CLD

CHECKED BY: RGO

DRAWN BY: CLD

PROJECT NO. 18022

SHEET NO. C3

OF 8 SHEETS

PROJECT: LOT 8 AKER'S ACRES  
COLORADO SPRINGS, COLORADO  
GRADING & DRAINAGE IMPROVEMENTS

PREPARED BY: Obering, Wurth & Associates

Consulting Civil Engineers

Professional Land Surveyors

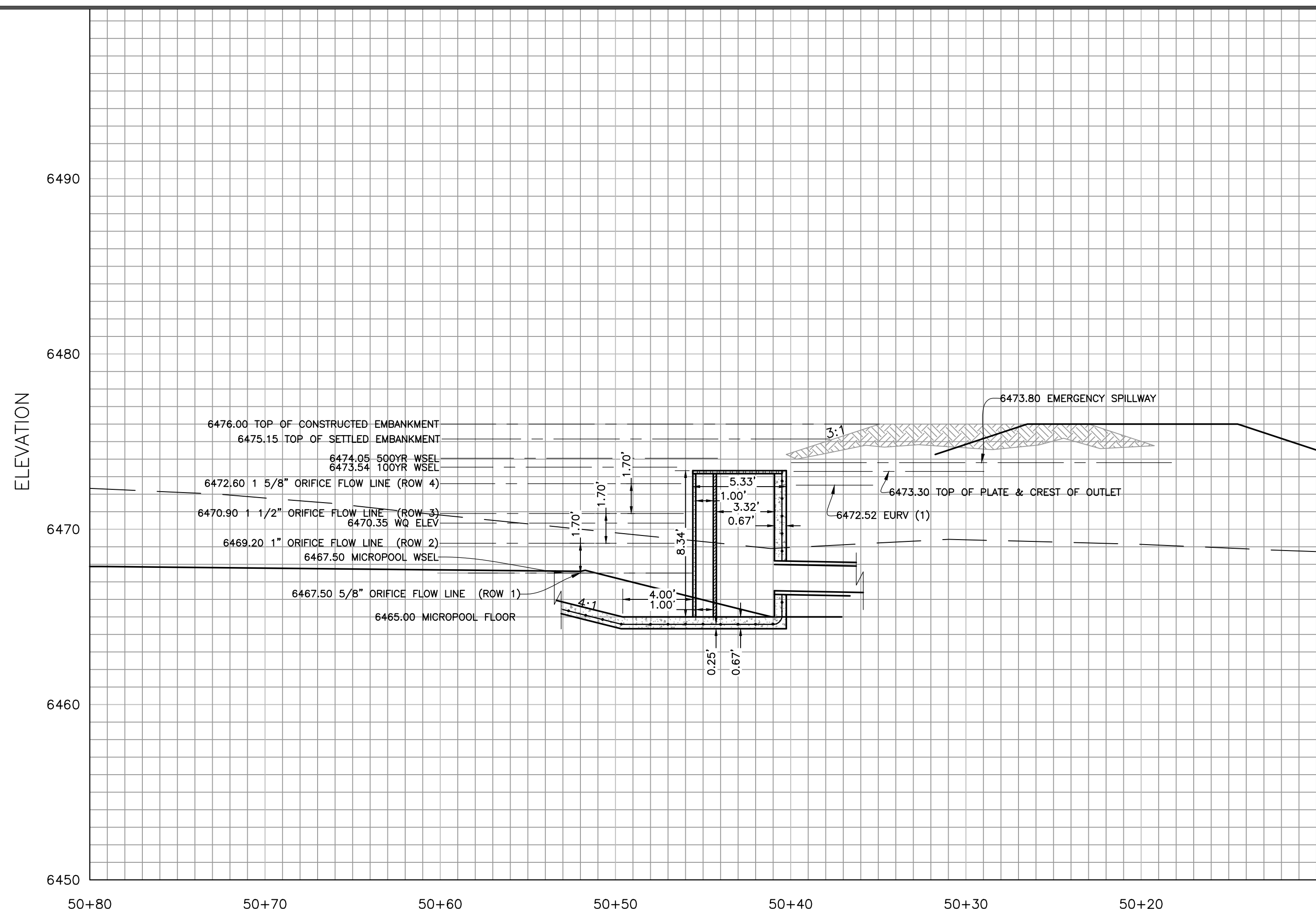
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Colorado Springs, Colorado

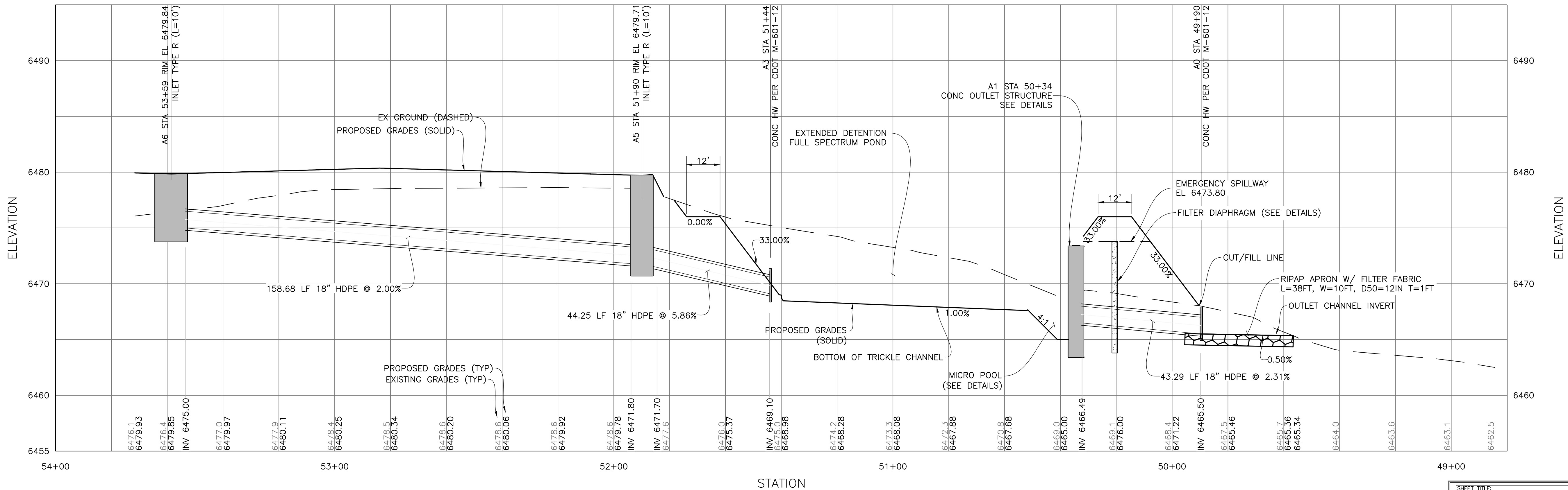
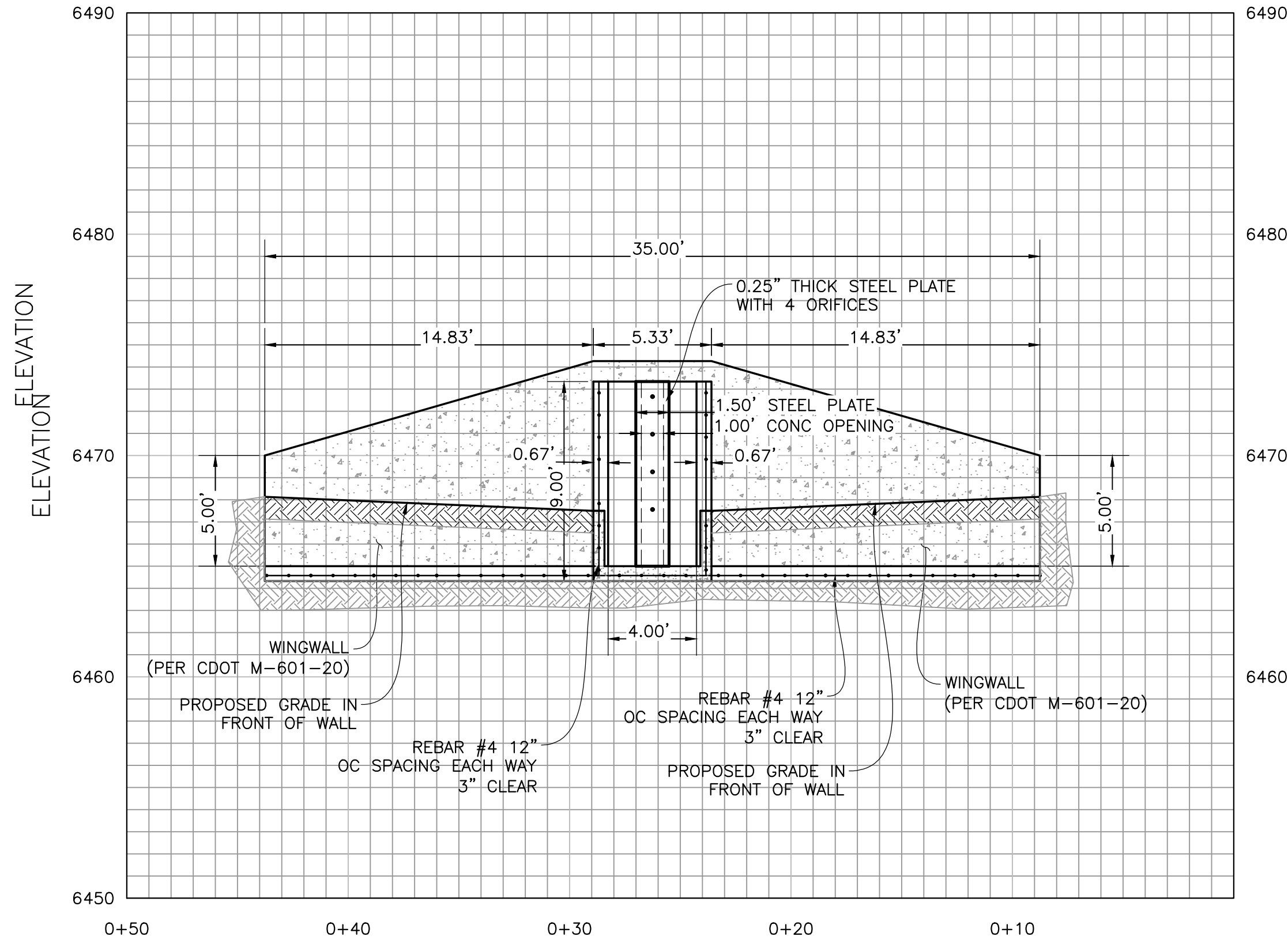
Phone (719) 531-6200 - Fax (719) 531-6266

E-mail Address: owacivil@mindspring.com





OUTLET STRUCTURE ELEVATION  
SEE UDFCD DETAILS NEXT SHEET



PROFILE STORM DRAIN THROUGH POND

FINAL PLANS  
THURSDAY, JUNE 27, 2019

REVIEWED FOR CONSTRUCTION:

BY

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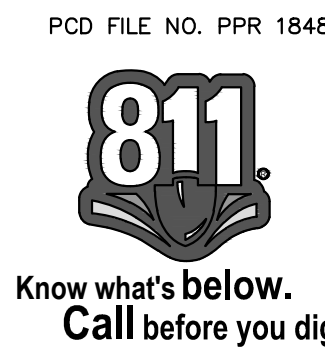
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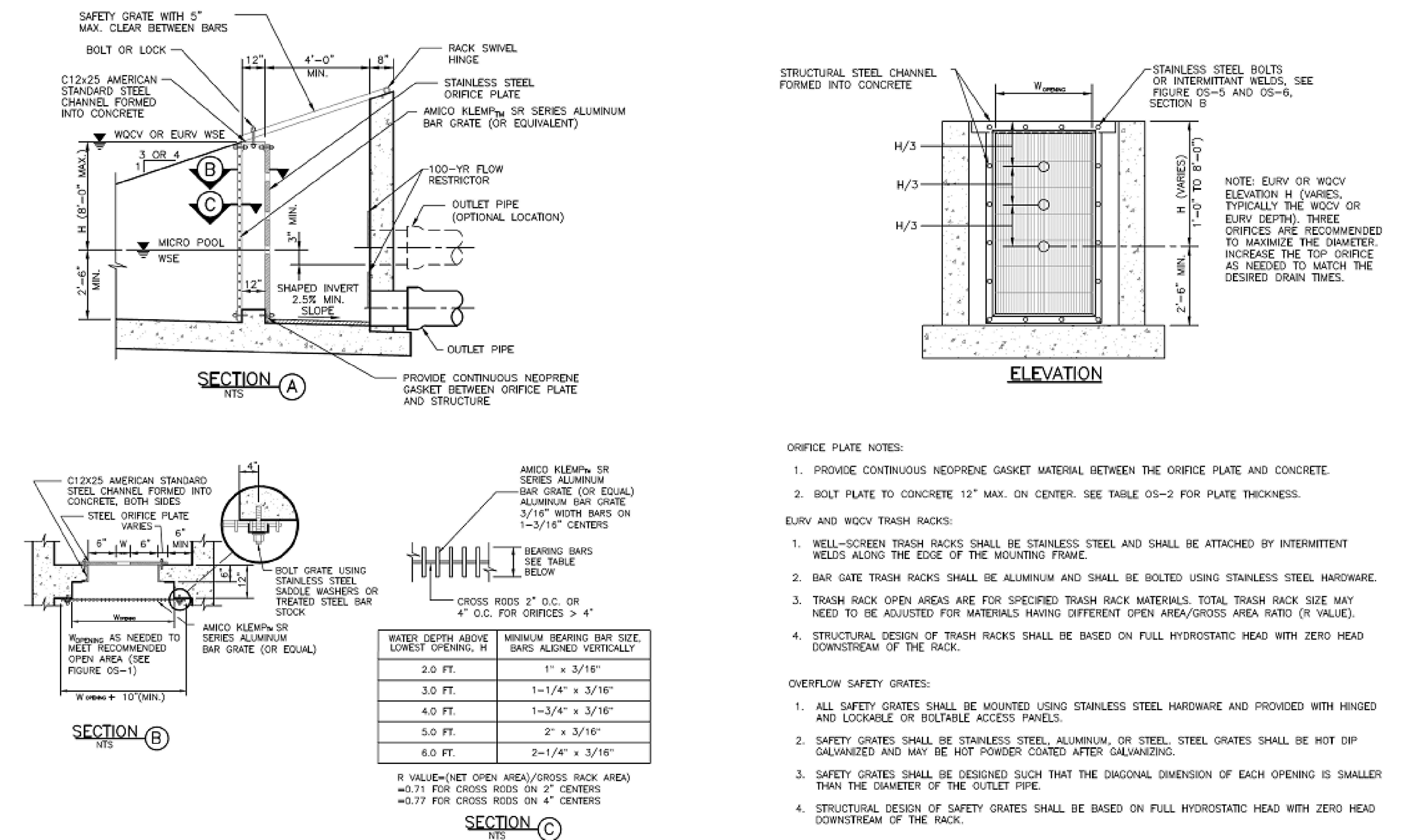
EPC 7/15/19



PCD FILE NO. PPR 1848

SHEET TITLE: <b>POND DETAILS</b>		FIELD BOOK NO. N/A
PROJECT: <b>LOT 8 AKERS ACRES COLORADO SPRINGS, COLORADO GRADING &amp; DRAINAGE IMPROVEMENTS</b>		SCALE: NOTED
PREPARED BY: <b>Obering, Wurth &amp; Associates Consulting Civil Engineers Professional Land Surveyors</b>		DATE:
1042 Elkton Drive Colorado Springs, Colorado Phone (719) 531-6200 - Fax (719) 531-6266 E-mail Address: owacivil@mindspring.com		DESIGNED BY: CLD
PROJECT NO. 18022		CHECKED BY: RGO
SHEET NO. <b>C4</b>		DRAWN BY: CLD
OF 8 SHEETS		

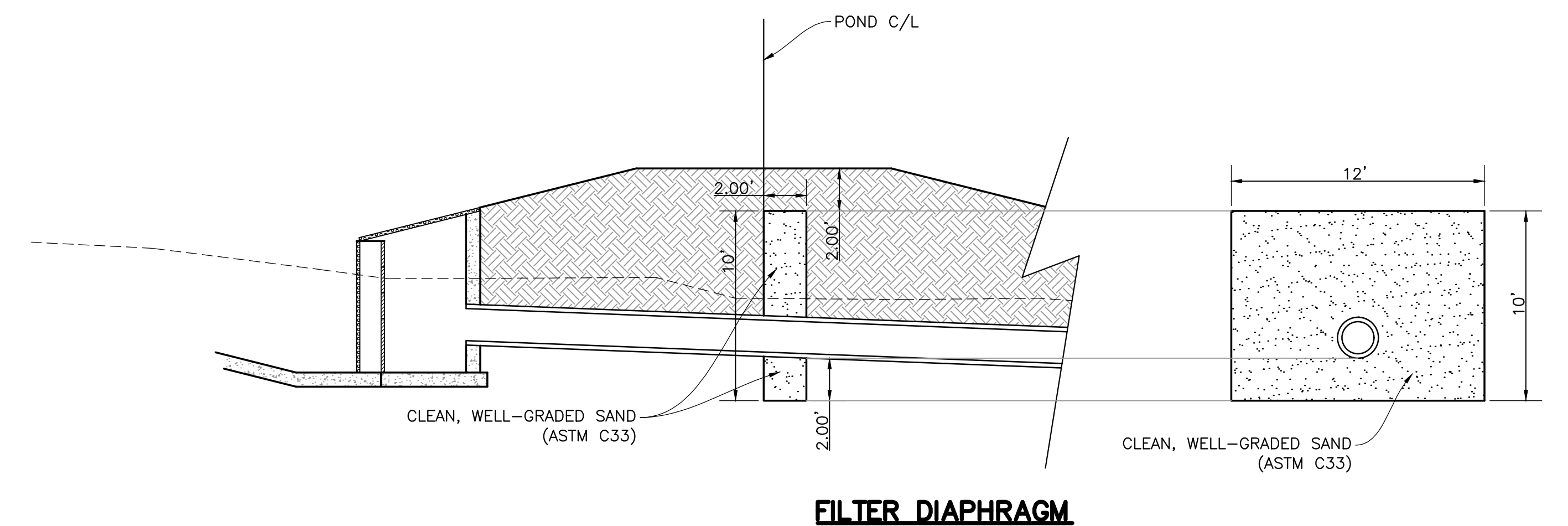




**Figure OS-4. Orifice plate and trash rack detail and notes**

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November 2015      Urban Drainage and Flood Control District      OS-7  
 Urban Storm Drainage Criteria Manual Volume 3


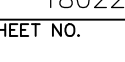


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			DATE:
PROJECT:	LOT 8 AKERS ACRES COLORADO SPRINGS, COLORADO GRADING & DRAINAGE IMPROVEMENTS		DESIGNED BY: <u>CLD</u> CHECKED BY: <u>RGD</u> DRAWN BY: <u>CLD</u>
PREPARED BY:			PROJECT NO. <u>18022</u> SHEET NO.
			
	1042 Elktion Drive Colorado Springs, Colorado Phone (719) 531-6200 - Fax (719) 531-6286 E-Mail Address: <a href="mailto:info@wurtth.com">info@wurtth.com</a>		OF 8 SHEETS

PROJECT NAME: STAGECO DRAINAGE IMPROVEMENTS  
DRAWN BY: OBERING, WURTH & ASSOCIATES  
ACAD DWG. NAME: .  
PROJECT NO: 16020 UPDATED VERSION: 6/27/2019 7:40 AM



CONSTRUCTION SITE BOUNDARY

PROPERTY LINE

PROPOSED TOE

PROPOSED EPC  
TY A C&G

PROPOSED EPC  
TY A C&G

PROPOSED ASPHALT  
PAVEMENT . . . .

**PROPOSED  
ASPHALT  
YARD**

~~PROPOSED  
PAVEMENT~~

PROPOSED EPC  
TY A C&G

EXISTING VEGETATION:  
TYPICAL EASTERN COLORADO  
PRAIRIE GRASS

EROSION CONTROL BLANKET  
ON ALL SLOPES STEEPER THAN  
3:1; INCLUDES SLOPES ADJ TO  
PROPOSED ASPHALT LOT

LOT 8 AKER'S ACRES SUB. NO. 1  
(PLAT BK H-2, PG 48) REC. NO.  
432490 AP #53320-02-014  
OWNER: KINGSTROM GROUP LLC

Legend for Best Management Practices (BMPs):

- TEMPORARY BMP (Circle symbol)
- PERMANENT BMP (Hexagon symbol)
- CHECK DAM (CD symbol)
- CONSTRUCTION ENTRANCE (CE symbol)
- INLET PROTECTION (IP symbol)
- SILT FENCE (SF symbol)
- PERMANENT SEEDING (PS symbol)
- MULCHING (MU symbol)
- CONCRETE WASHOUT AREA (CWA symbol)
- VEHICLE TRACKING CONTROL (VTC symbol)
- SEDIMENT BASIN (SB symbol)
- GRASS LINED SWALE (GS symbol)

~~10' UTIL EASE~~

EPC 7/15/19



Know what's below.  
Call before you dig.

SHEET TITLE: STORMWATER MANAGEMENT PLAN

PROJECT: LOT 8 AKERS ACRES  
COLORADO SPRINGS, COLORADO  
GRADING & DRAINAGE IMPROVEMENTS

PREPARED BY:

**Obering, Wurth & Associates**  
Consulting Civil Engineers  
Professional Land Surveyors

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1042 Elkton Drive  
Colorado Springs, Colorado  
Phone (719) 531-6200 • Fax (719) 531-6266  
E-mail Address: [owacorp@aol.com](mailto:owacorp@aol.com) [info@obering.com](mailto:info@obering.com)

LD BOOK NO.	N/A
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TE:	
SIGNED BY:	CLD
ECKED BY:	RGO
AWN BY:	CLD
OBJECT NO.	18022
EET NO.	
<b>C6</b>	
8 SHEETS	

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BY \_\_\_\_\_

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## FINAL PLANS

### THURSDAY, JUNE 27, 2019

PROJECT NAME: STAGECO DRAINAGE IMPROVEMENTS  
DRAWN BY: OBERING, WURTH & ASSOCIATES  
CAD DWG. NAME: 11-11-2010-7-18 AM



**FINAL PLANS**  
**THURSDAY, JUNE 27, 2019**

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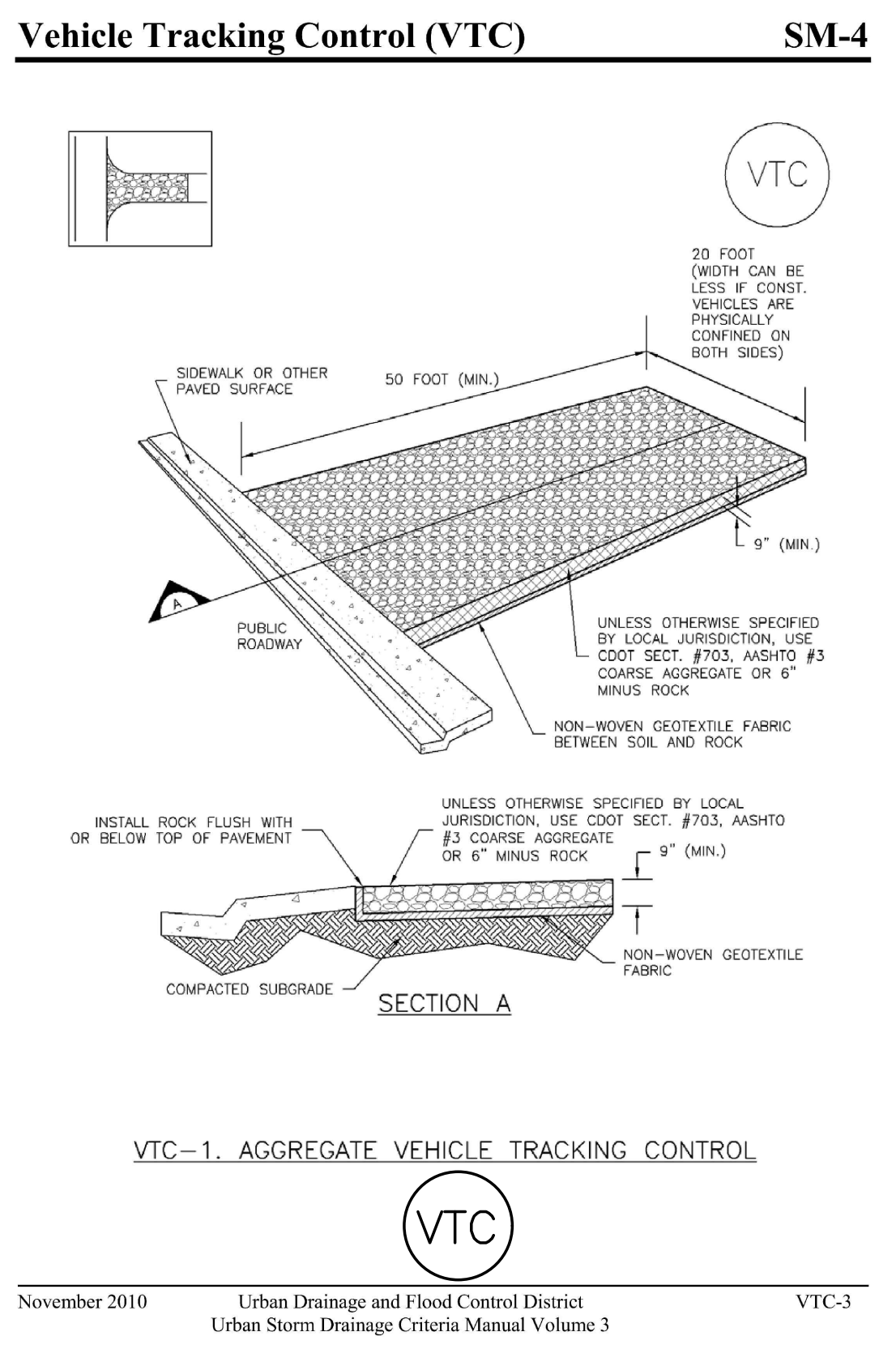
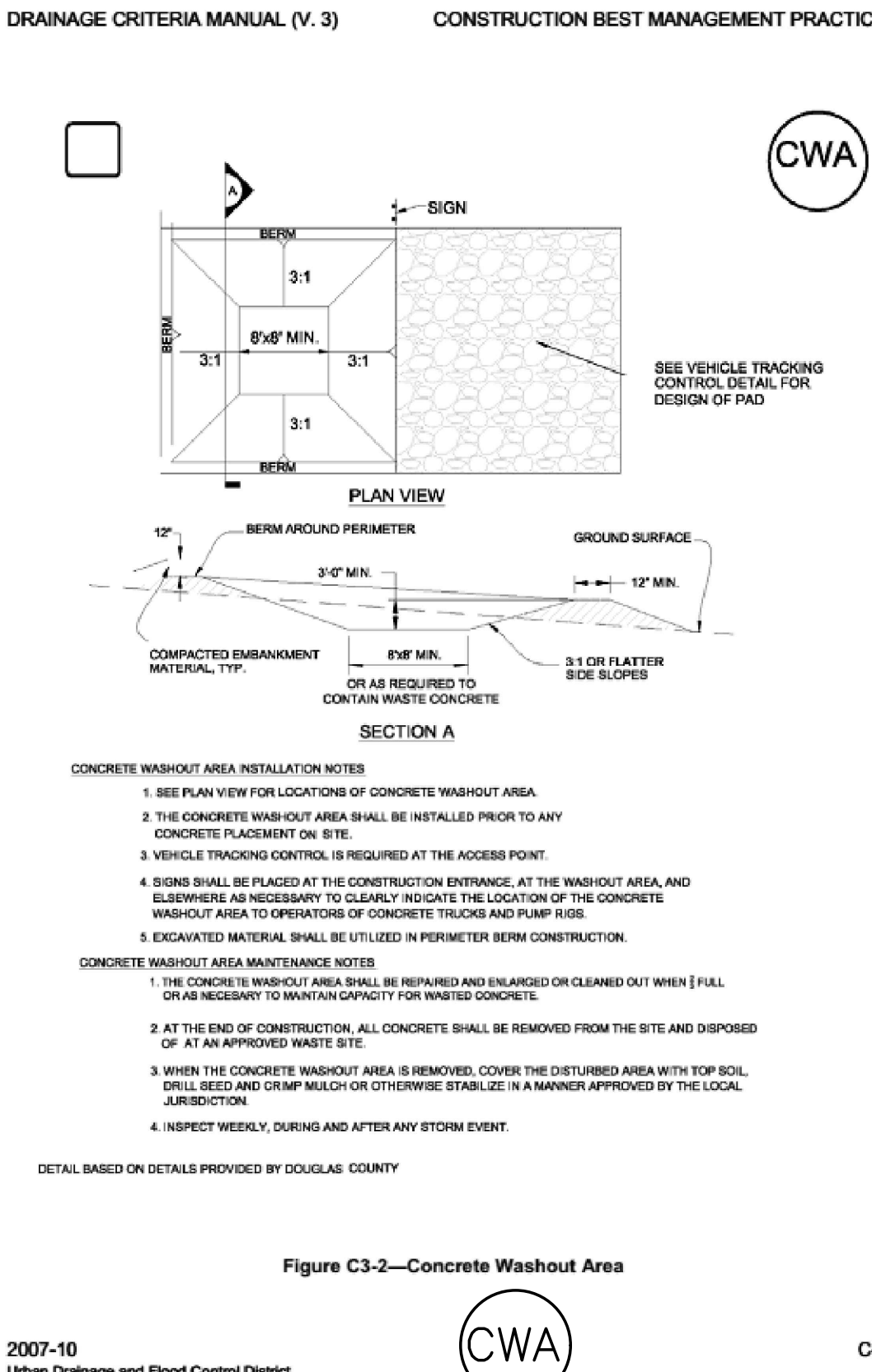
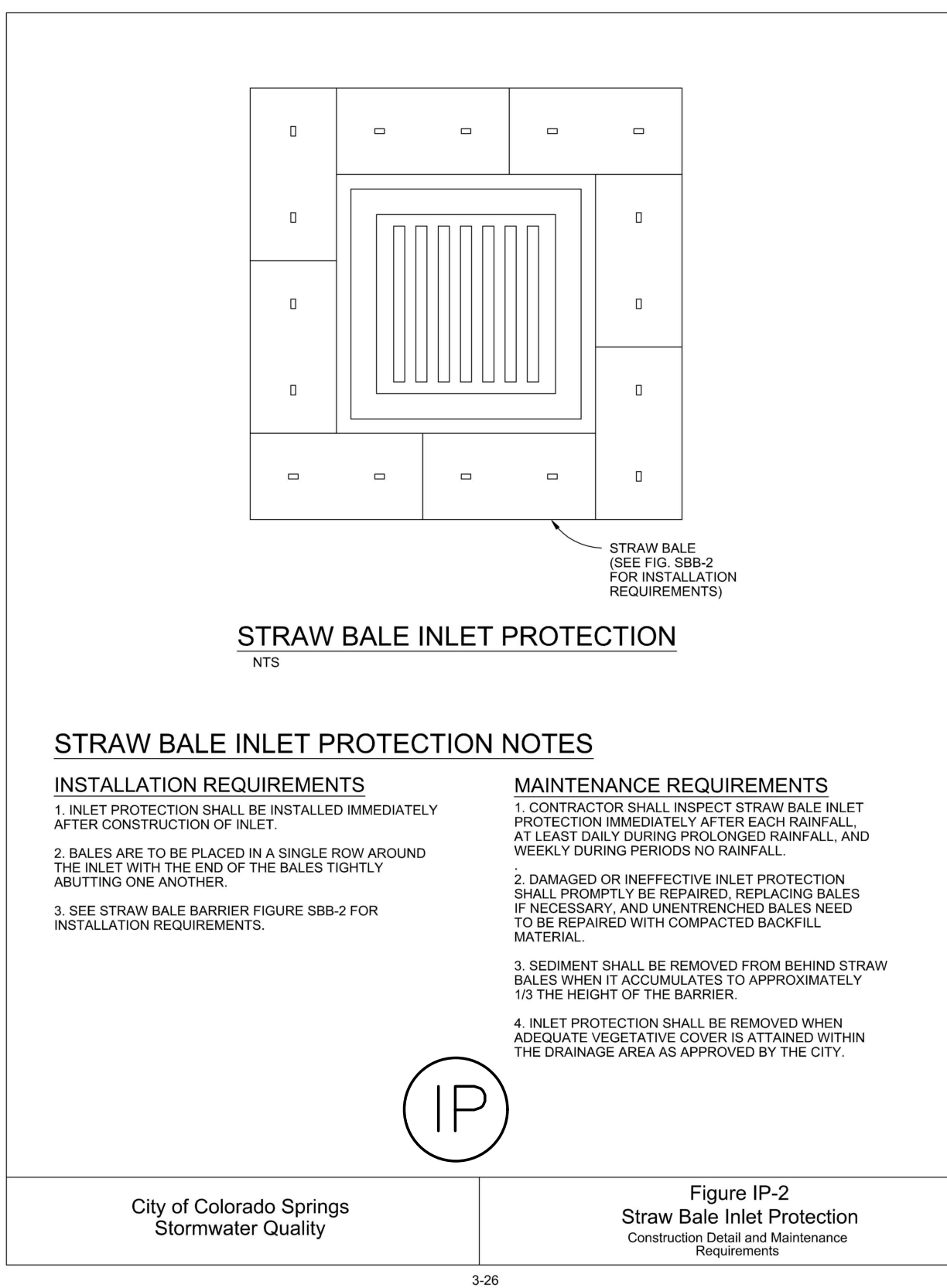
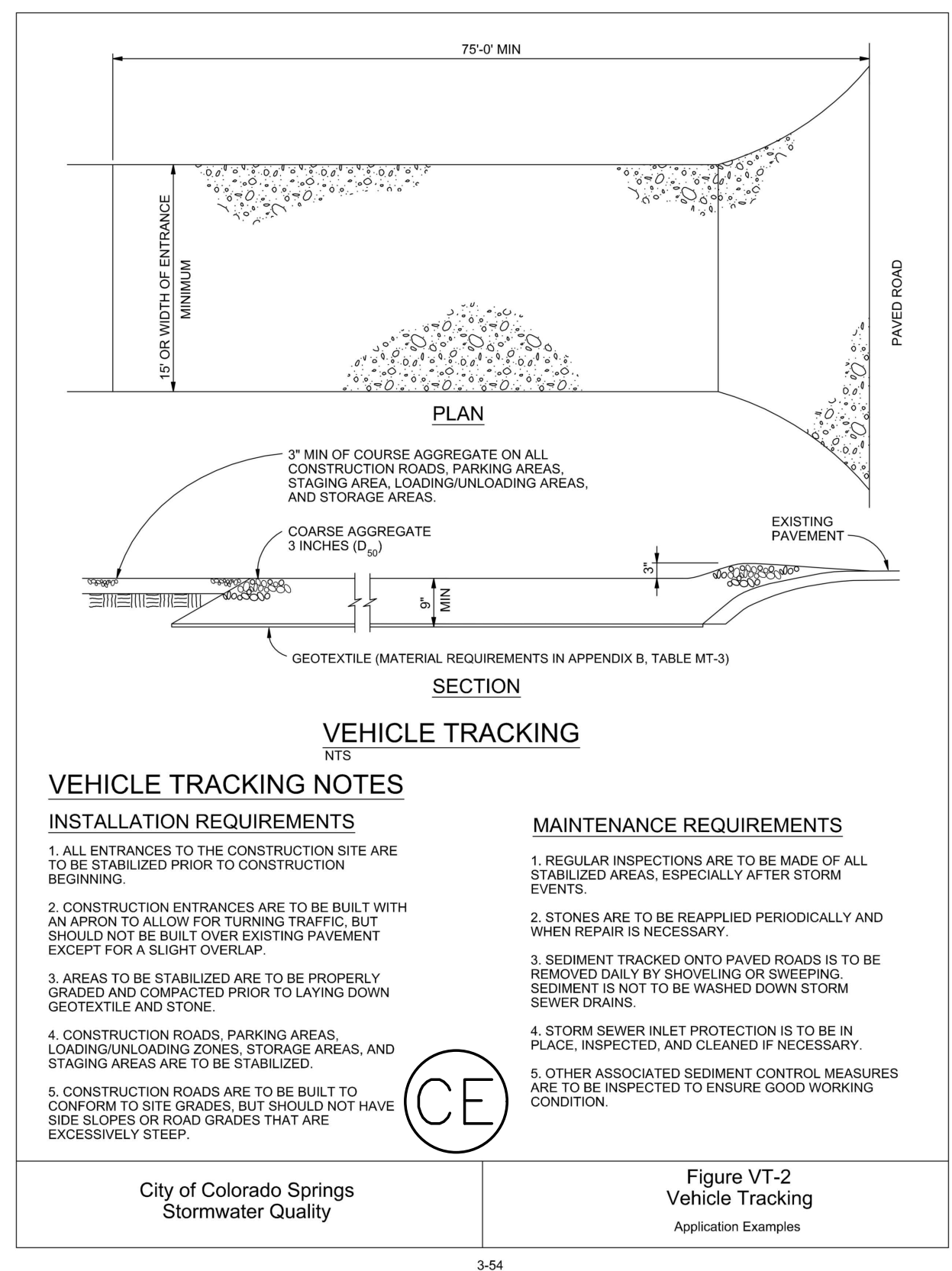
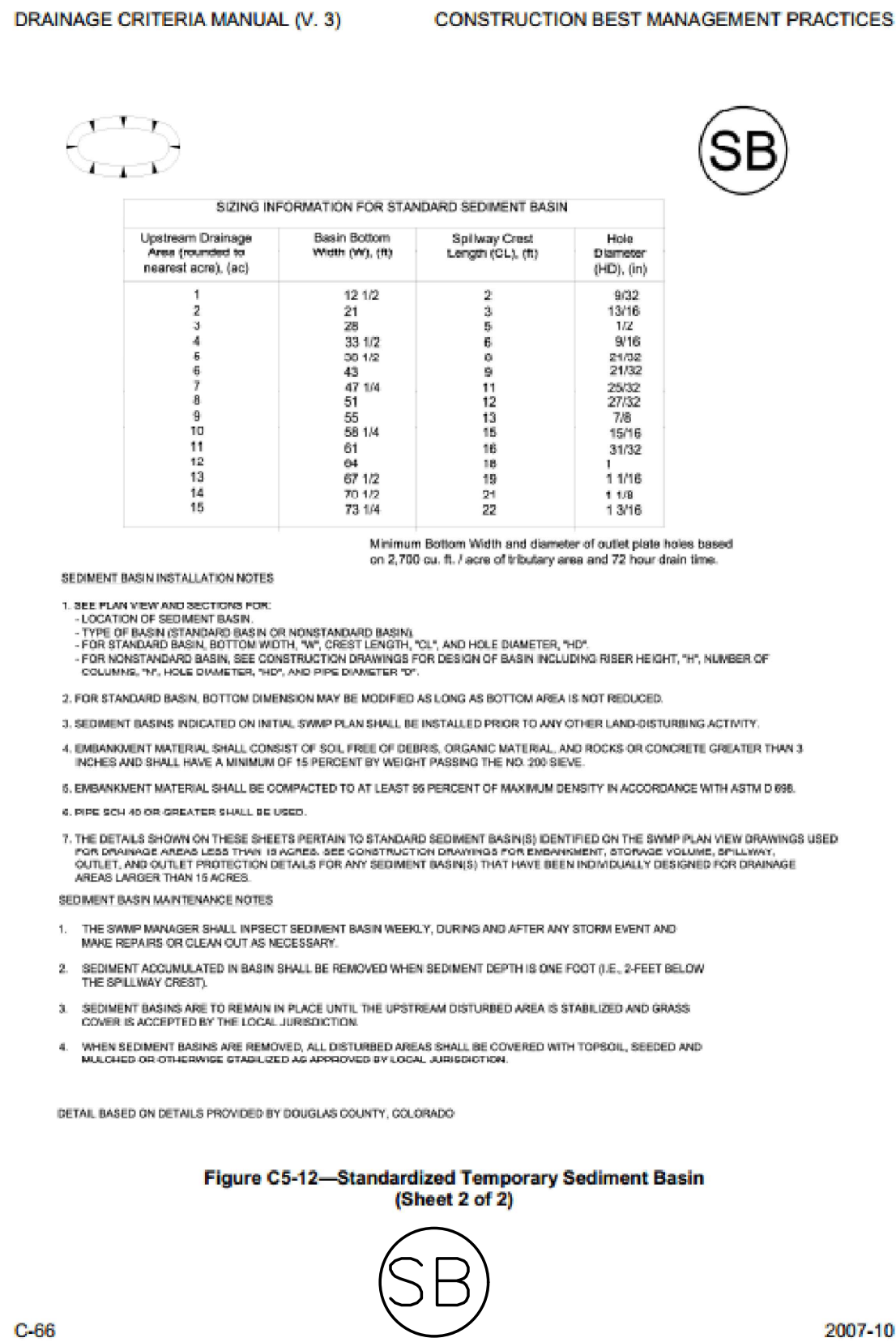
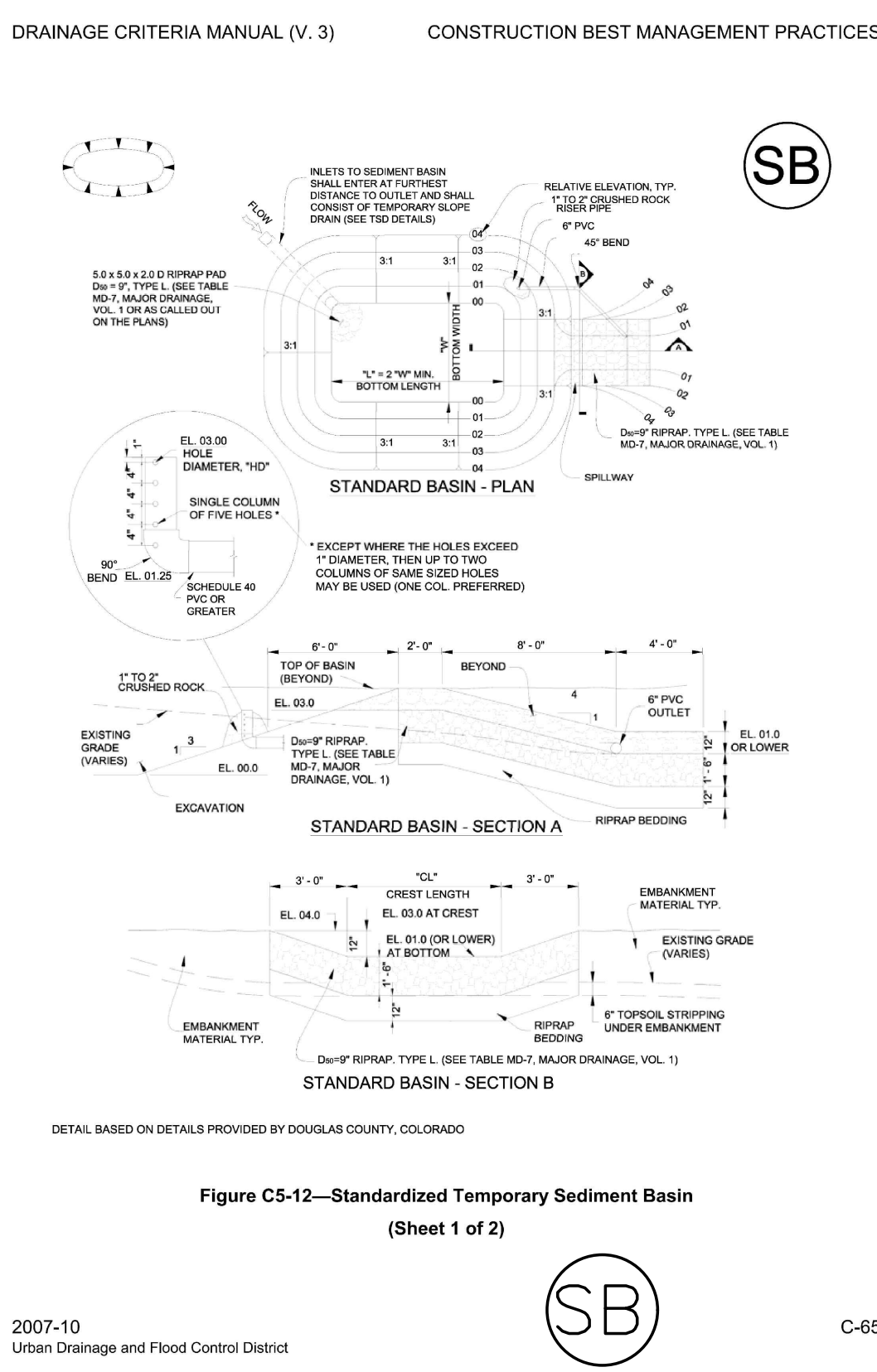
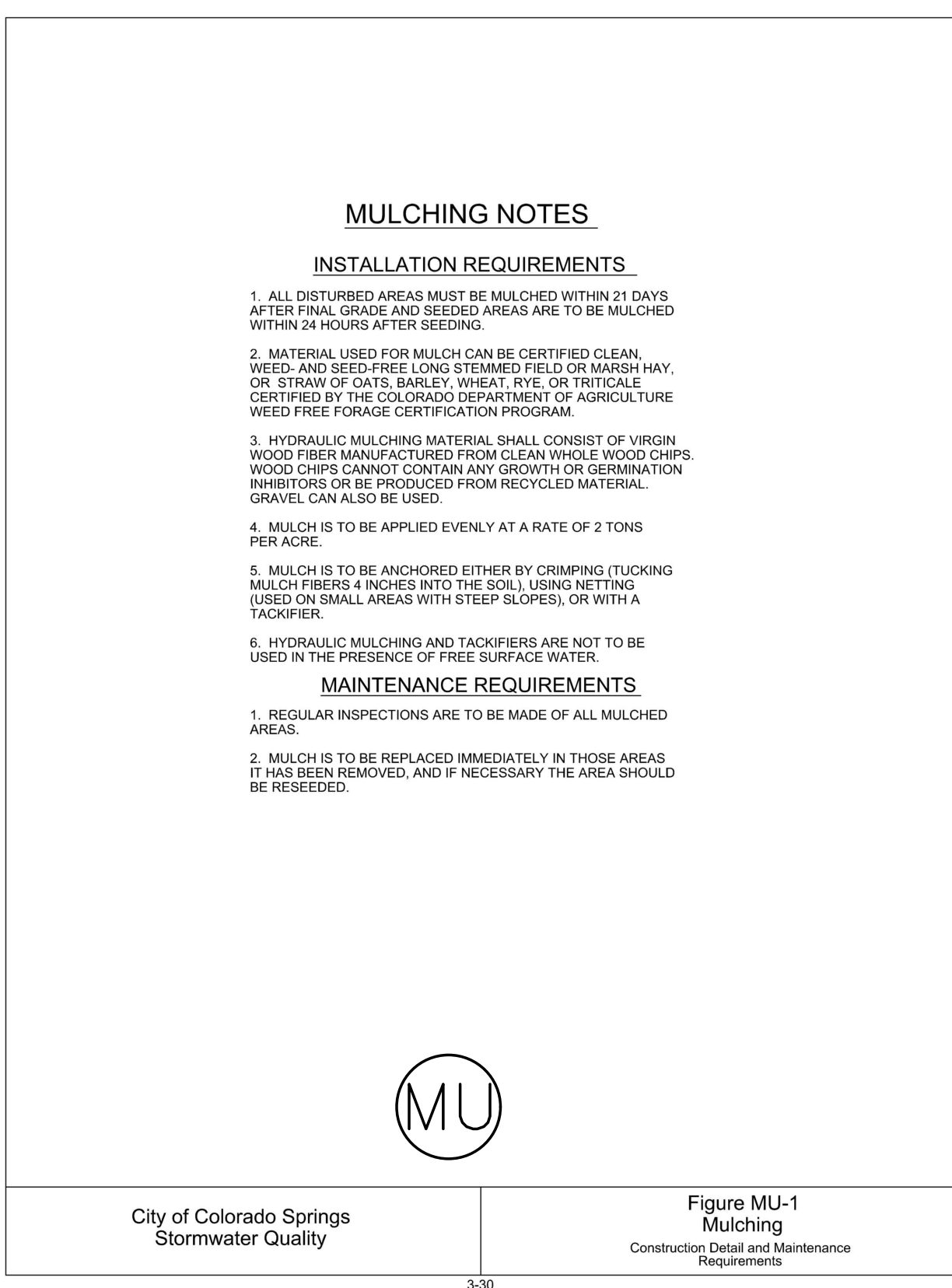
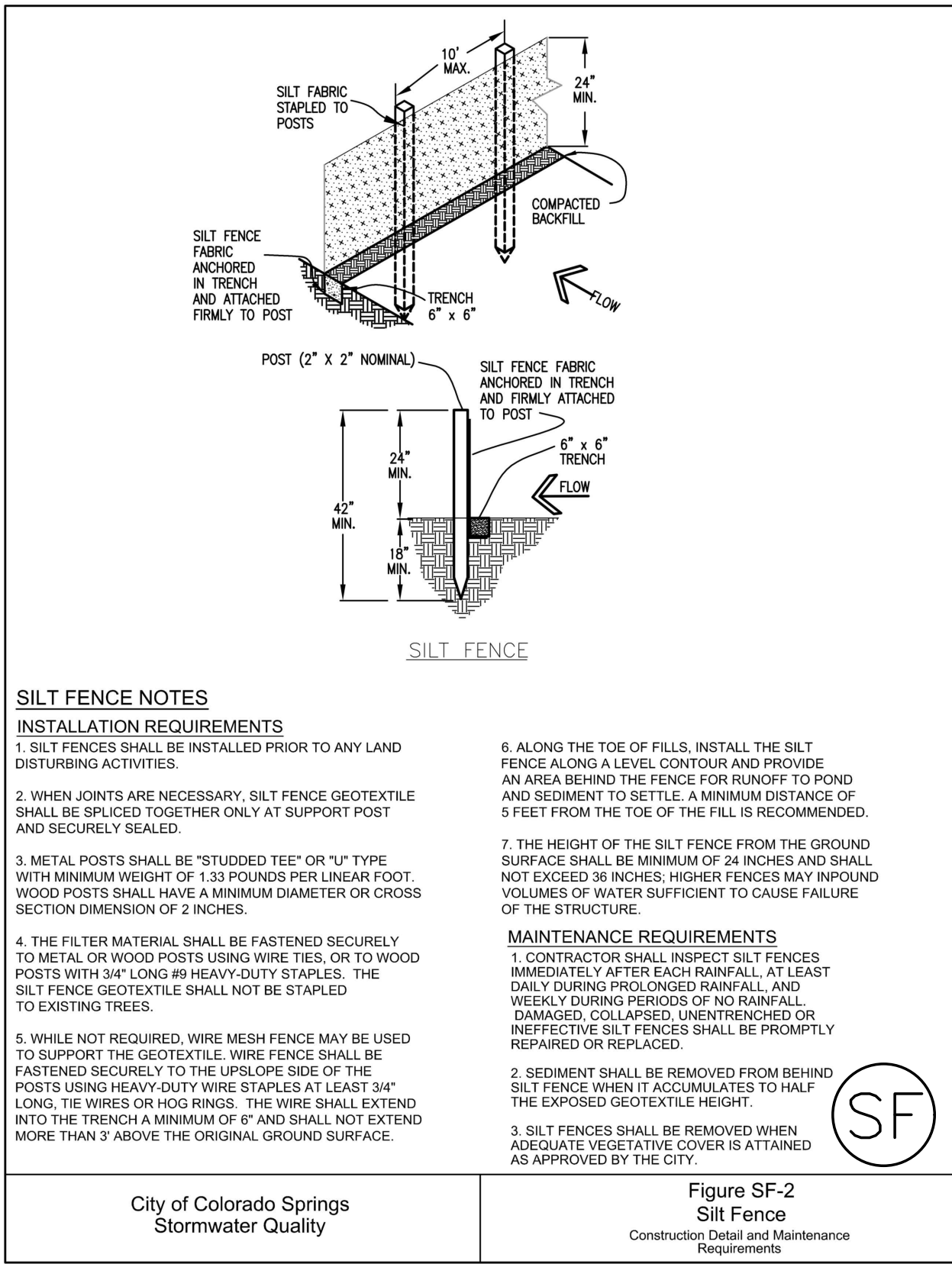


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SHEET TITLE: <b>STORMWATER MANAGEMENT DETAILS</b>		FIELD BOOK NO.: N/A
PROJECT: <b>LOT 8 AKERS ACRES COLORADO SPRINGS, COLORADO GRADING &amp; DRAINAGE IMPROVEMENTS</b>		SCALE: NOTED
PREPARED BY: <b>Obering, Wurth &amp; Associates</b> Consulting Civil Engineers Professional Land Surveyors 10482 Elkton Drive Colorado Springs, Colorado Phone (719) 531-8200 - Fax (719) 531-6266 E-mail Address: owacivil@midmaping.com		DESIGNED BY: CLD
		CHECKED BY: RGO
		DRAWN BY: CLD
		PROJECT NO.: 18022
		SHEET NO.: <b>C7</b>
		OF 8 SHEETS





PROJECT NAME: STAGE CO DRAINAGE IMPROVEMENTS  
DRAWN BY: C. GILBERT, WURTH & ASSOCIATES  
DATE: 6/27/2019 7:48 AM  
PROJECT NO. 18020 UPDATED VERSION: 6/27/2019 7:48 AM

FINAL PLANS  
THURSDAY, JUNE 27, 2019

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PREPARED BY: <b>Obering, Wurth &amp; Associates</b> Consulting Civil Engineers Professional Land Surveyors 1042 Elkton Drive Colorado Springs, Colorado Phone (719) 531-6200 ~ Fax (719) 531-6266 E-mail Address: owacivil@mindspring.com		DATE: 
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