

GRADING & EROSION CONTROL PLANS

8035 MERIDIAN PARK DRIVE

SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M. TOWN OF PEYTON, COUNTY OF EL PASO, STATE OF COLORADO

DUNKIN BENT GRASS

BENCHMARK

PROJECT BENCHMARK IS A DOUGLAS COUNTY CONTROL POINT LOCATED ON THE SOUTH SIDE OF HWY 86 JUST EAST OF PROJECT SITE.

NORTHING: 22842.29, EASTING: 19721.79

BENCHMARK IS 11.215" ALUMINUM DISC SET FLUSH TO THE GROUND. THE ELEVATION IS 1994.64 M (6544.09 US SURVEY FEET) BASED ON THE NAVD 88 DATUM.

BASIS OF BEARINGS

A PORTION OF THE SOUTH LINE OF THE NORTHEAST QUARTER SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN EL PASO COUNTY, COLORADO BEING MONUMENTED AT THE WEST END BY THE CENTER QUARTER CORNER OF SAID SECTION 1 BY A 2 1/2" ALUMINUM SURVEYORS CAP WITH APPROPRIATE MARKING PLS 28651 AND AT THE EAST END, AT THE NORTHWESTERLY CORNER OF LOT 1 FALCON RANCHETTES RECORDED IN PLAT BOOK V-2 AT PAGE 15, RECORDS OF EL PASO COUNTY, COLORADO. BY A YELLOW PLASTIC SURVEYORS CAP STAMPED "PLS 2372" AND IS ASSUMED TO BEAR S89°49'43", A DISTANCE OF 2,285.20 FEET.

LEGAL DESCRIPTION

PARCEL A:
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO 2A, COUNTY OF EL PASO, STATE OF COLORADO (RECEPTION NO. 214713554).

PARCEL B:
THOSE EASEMENT RIGHT CREATED BY RECIPROCAL ACCESS EASEMENT AND TEMPORARY CONSTRUCTION AND MAINTENANCE EASEMENT AGREEMENT RECORDED JUNE 04, 2013 UNDER RECEPTION NO. 213072561 AND FIRST AMENDMENT TO RECIPROCAL ACCESS EASEMENT AND TEMPORARY CONSTRUCTION AND MAINTENANCE EASEMENT AGREEMENT RECORDED JULY 07, 2013 UNDER RECEPTION NO. 213098588.

CONSTRUCTION TIMELINE

APPROXIMATE CONSTRUCTION START DATE: SEPTEMBER 2022

PROJECT DESCRIPTION

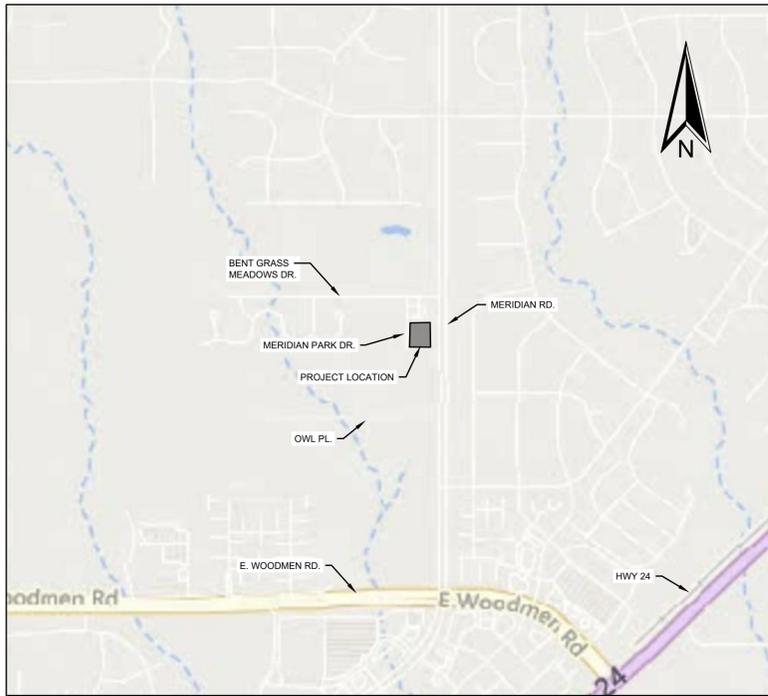
THE PROPOSED PROJECT INCLUDES THE DEVELOPMENT OF A NEW FAST FOOD RESTAURANT BUILDING, DRIVE-THRU, AND PARKING LOT. PROPOSED WORK INCLUDES DEMOLITION, GRADING, CONCRETE AND ASPHALT INSTALLATION, SANITARY SEWER INSTALLATION, WATER LATERAL INSTALLATION, FINAL GRADING, FINAL STABILIZATION, AND REMOVAL OF TEMPORARY CONTROL MEASURES.

ZONE DISTRICT INFORMATION

PROJECT ZONING: COMMERCIAL SERVICES (CS)

PROPERTY TAX SCHEDULE NUMBER

TAX SCHEDULE NUMBER: 5301104002



VICINITY MAP

NOT TO SCALE

PROJECT TEAM

<p>PROPERTY OWNER FIRST CUP LLC 106 S. KYRENE RD. CHANDLER, AZ 85226 303-815-0161 BHAYENGA1@GMAIL.COM ATTN: BERT HAYENGA</p>	<p>CIVIL ENGINEER WC CIVIL, INC. 7220 W JEFFERSON AVE., STE. 204 LAKEWOOD, CO 80235 303-390-0172 ERIC_M@WCCIVIL.COM ATTN: ERIC MCKNIGHT, P.E.</p>	<p>ARCHITECT / APPLICANT ETHOS ARCHITECTURE GROUP 8025 W 25TH PL. LAKEWOOD, CO 80214 303-815-0161 JOHN@ETHOS-ARCH-GROUP.COM ATTN: JOHN SPONSELLER, NCARB</p>
<p>SURVEYOR CLASSIC CONSULTING 619 N. CASCADE AVENUE COLORADO SPRINGS, CO 80903 719-785-0790 DREINELT@CLASSICCONSULTING.NET ATTN: DOUGLAS REINELT, PLS</p>	<p>LANDSCAPE ARCHITECT STACKLOT 5639 SOUTH CURTICE ST. LITTLETON, CO 80120 303-883-2735 JUSTINHAY@STACKLOT.COM ATTN: JUSTIN HAY</p>	<p>PHOTOMETRIC DESIGN RG ENGINEERING CONSULTANTS 8811 HAMPDEN AVE., STE. 208 DENVER, CO 80231 303-355-5534 SOPHIA@RGEINC.COM ATTN: SOPHIA GISIN</p>

SITE UTILIZATION TABLE		
COVERAGE	EXISTING	PROPOSED
TOTAL LOT SIZE	63,480 SF	63,480 SF
BUILDING	0 SF	1,998 SF
PAVEMENT	0 SF	14,625 SF
% IMPERVIOUS	0%	26.2%
% OPEN SPACE / LANDSCAPING	100%	73.8%

PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR	DATE
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SHEET INDEX:

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 EROSION CONTROL PLAN
- 4 EROSION CONTROL DETAILS

ABBREVIATIONS:

- AC ASPHALT CONCRETE
- CS COMMERCIAL SERVICES
- DWG DRAWING
- (E) EXISTING
- E EAST
- EG EXISTING GRADE
- FH FIRE HYDRANT
- FL FLOW LINE
- FG FINISHED GRADE
- FS FINISHED SURFACE
- FT FEET
- HP HIGH POINT
- INV INVERT
- LIP LIP OF GUTTER
- ME MATCH EXISTING
- MAX MAXIMUM
- MIN MINIMUM
- (N) NEW
- N NORTH
- PSI POUNDS PER SQUARE INCH
- PVC POLYVINYL CHLORIDE
- RCP REINFORCED CONCRETE PIPE
- ROW RIGHT OF WAY
- SF SQUARE FEET
- STD STANDARD
- TC TOP OF CURB
- TYP TYPICAL

LEGEND

PROPOSED

- PARKING / WALKWAY STRIPING
- AC PAVEMENT
- SIDEWALK
- LANDSCAPING

- CURB AND GUTTER
- ADA ACCESSIBLE PATHWAY
- SEWER LATERAL
- WATER LATERAL
- GAS SERVICE LATERAL
- ELECTRICAL SERVICE LATERAL
- COMMUNICATIONS SERVICE LATERAL
- GRADE BREAK
- SILT FENCE
- GRADING LIMITS
- MAJOR CONTOUR
- MINOR CONTOUR

EXISTING

- RIGHT-OF-WAY
- PROPERTY LINE
- ELECTRICAL LINE
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- SEWER LINE
- STORM DRAIN
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- SEWER MANHOLE
- STORM MANHOLE
- ELECTRICAL POLE
- ELECTRICAL BOX
- ELECTRICAL METER
- COMMUNITY ANTENNA TELEVISION
- SIGN POST

Added to plan.

PCD File #
PPR-22-27

PERMIT NO.:

Client: **CD BENT GRASS LLC**
106 S. KYRENE RD.
CHANDLER, AZ 85226
PHONE:
ATTN: B. HAYENGA

W.C. CIVIL
7220 W. JEFFERSON AVE
STE. 204
LAKEWOOD, CO 80235
PHONE: (303) 390-0172

WC CIVIL

COVER SHEET

DUNKIN BENT GRASS
GRADING & EROSION CONTROL PLANS
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
LOCATED IN TOWN OF PEYTON,
COUNTY OF EL PASO, STATE OF COLORADO

WC Civil Team: Date: 2022/07/21
TS, LP
Engineering No.: Scale:
AS NOTED

Sheet No.: 1

GRADING AND EROSION CONTROL NOTES

- 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 FROM 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. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON-SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED 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 STAFF.
- CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
- TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE 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. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
- COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- DURING DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- 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.
- 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. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS 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 CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.

24. OWNER/DEVELOPER AND THEIR AGENTS 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 OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.

25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.

26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.

27. A WATER SOURCE SHALL BE AVAILABLE ON-SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY [COMPANY NAME, DATE OF REPORT] AND SHALL BE CONSIDERED A PART OF THESE PLANS.

29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (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

ENGINEER'S STATEMENT

~~THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS 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 SPECIFICATION~~

ENGINEER OF RECORD SIGNATURE _____ DATE _____

OWNER'S STATEMENT

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

OWNER SIGNATURE _____ DATE _____

EL PASO COUNTY:

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

JOSHUA PALMER, P.E. _____ DATE _____
 INTERIM COUNTY ENGINEER

ENGINEER OF RECORD:

THE GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS COMPLETE AND 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.

ENGINEER OF RECORD SIGNATURE _____ DATE _____

REVIEW ENGINEER:

THE GRADING AND EROSION CONTROL PLAN WAS REVIEWED AND FOUND TO MEET THE CHECKLIST REQUIREMENTS EXCEPT WHERE OTHERWISE NOTED OR ALLOWED BY AN APPROVED DEVIATION REQUEST.

REVIEW ENGINEER _____ DATE _____

Company and date added to plan.

Input information or replace highlighted text with "N/A" if there is not a soils report for this site.

Removed.

Remove from plans.

Revised.

Revise to match item "hh" on page 2 of GEC Checklist

Moved to cover sheet.

Move all 3 signature blocks to the first sheet.

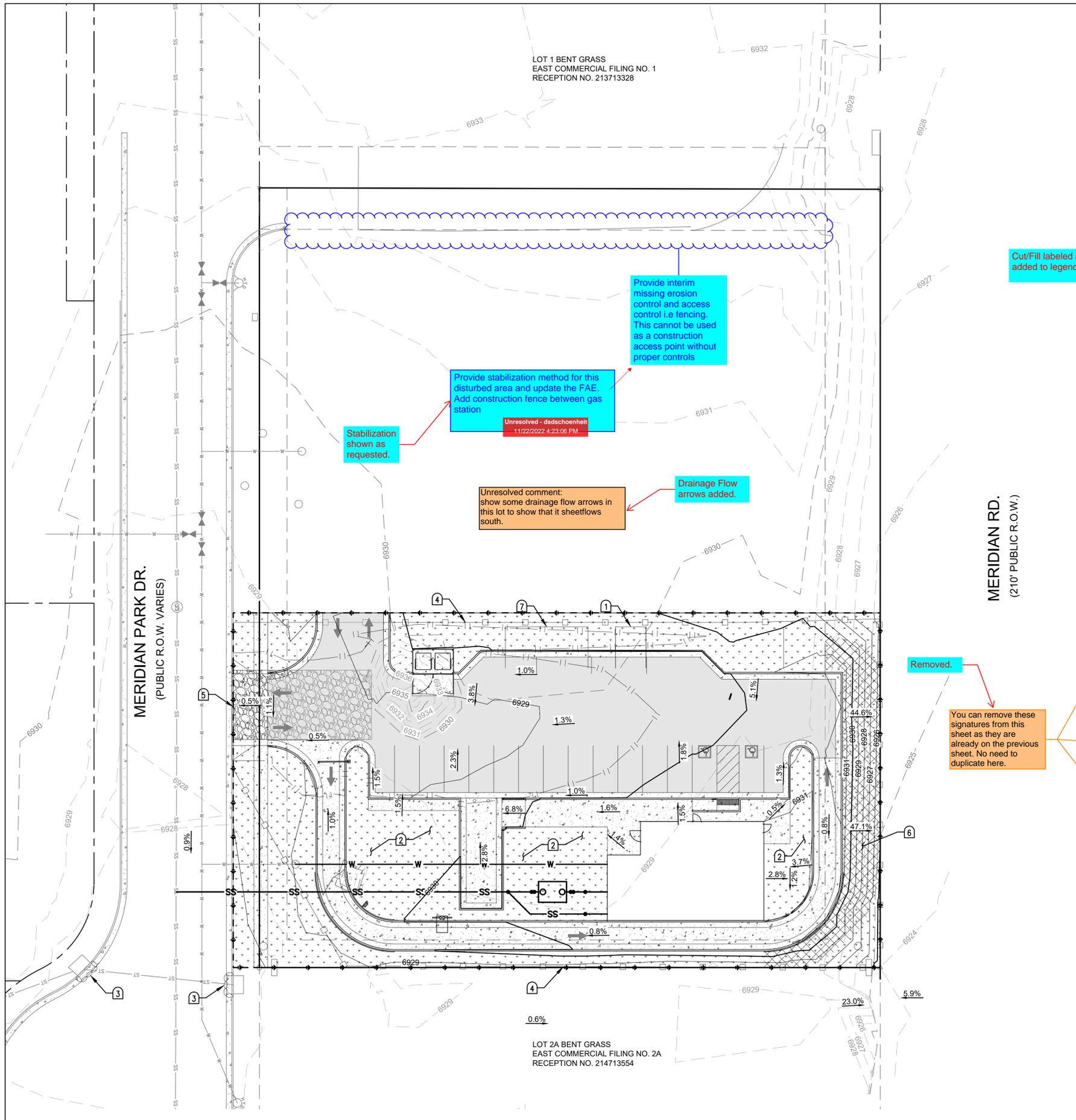
Revised.

Revise heading to "Engineer's Statement"

Removed.

remove from plans.

Client:	CD BENT GRASS LLC 106 S. KYRENE RD. CHANDLER, AZ 85226 PHONE: ATTN: B. HAYENGA
File:	GENERAL NOTES
Project:	DUNKIN BENT GRASS GRADING & EROSION CONTROL PLANS LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A, LOCATED IN TOWN OF PEYTON, COUNTY OF EL PASO, STATE OF COLORADO
WC Civil Team:	TS, LP
Date:	2022/07/21
Engineering No.:	AS NOTED
Scale:	
Sheet No.:	2



EXISTING		PROPOSED	
---	RIGHT-OF-WAY	[Hatched Box]	PARKING / WALKWAY STRIPING
---	PROPERTY LINE	[Solid Grey Box]	AC PAVEMENT
---	ELECTRICAL LINE	[Dotted Box]	SIDEWALK
---	TELEPHONE LINE	[Box with Down Arrows]	LANDSCAPING
---	GAS LINE	[Cross-hatched Box]	EROSION BLANKET
---	WATER LINE	[Double Line]	CURB AND GUTTER
---	SEWER LINE	---	ADA ACCESSIBLE PATHWAY
---	STORM DRAIN	SS	SEWER LATERAL
○	SEWER MANHOLE	---	WATER LATERAL
○	STORM MANHOLE	G	GAS SERVICE LATERAL
○	ELECTRICAL POLE	E	ELECTRICAL SERVICE LATERAL
[EBOX]	ELECTRICAL BOX	T	COMMUNICATIONS SERVICE LATERAL
[EM]	ELECTRICAL METER	---	LIMITS OF CONSTRUCTION/DISTURBANCE
[CATV]	COMMUNITY ANTENNA TELEVISION	---	GRADE BREAK
[Sign Post]	SIGN POST	---	SILT FENCE
		---	DRAINAGE FLOW ARROW

EROSION CONTROL NOTES

1. INSTALL (N) TEMPORARY INTERIM CONCRETE WASHOUT STRUCTURE PER COUNTY OF EL PASO STD DETAIL SD_3-84 (SEE SHEET 10).
2. INSTALL (N) TEMPORARY FINAL SEEDING AND MULCHING PER DETAIL (SEE SHEET 4).
3. INSTALL (N) TEMPORARY INITIAL INLET PROTECTION PER COUNTY OF EL PASO STD DETAIL SD_3-60 (SEE SHEET 4).
4. INSTALL (N) TEMPORARY INITIAL SILT FENCE PER DETAIL (SEE SHEET 4).
5. INSTALL (N) TEMPORARY INITIAL VEHICLE TRACKING CONTROL PER DETAIL (SEE SHEET 4).
6. INSTALL (N) TEMPORARY FINAL EROSION CONTROL BLANKET PER DETAIL (SEE SHEET 4).
7. INSTALL (N) TEMPORARY INTERIM STOCKPILE AREA PER DETAIL (SEE SHEET 4).

EROSION CONTROL NOTES:

1. FINAL VEGETATIVE COVER DENSITY TO BE AT LEAST 70% OF PRE-DISTURBED LEVELS. EXISTING CONDITION OVEGETATION COVER INCLUDES LIGHT GRASS ACROSS LOT.
2. ESTIMATED AREA TO UNDERGO DISTURBANCE: 27,930 SF

ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS 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 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.

ENGINEER OF RECORD SIGNATURE _____ DATE _____

OWNER'S STATEMENT:

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

OWNER SIGNATURE _____ DATE _____

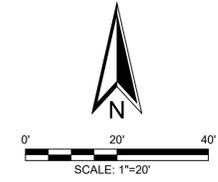
EL PASO COUNTY:

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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 DIRECTOR'S DISCRETION.

JOSHUA PALMER, P.E. _____ DATE _____
 INTERIM COUNTY ENGINEER/ECM ADMINISTRATOR



Cut/Fill labeled and added to legend.

Unresolved comment:
 Delineate areas of cut/fill on plan and add linetype to Legend.

Stabilization shown as requested.

Provide stabilization method for this disturbed area and update the FAE. Add construction fence between gas station
 Unresolved - @dschoenheit 11/22/2022 4:23:06 PM

Provide interim missing erosion control and access control i.e fencing. This cannot be used as a construction access point without proper controls

Unresolved comment:
 show some drainage flow arrows in this lot to show that sheetflows south.

Drainage Flow arrows added.

Removed.

You can remove these signatures from this sheet as they are already on the previous sheet. No need to duplicate here.

MERIDIAN PARK DR.
 (PUBLIC R.O.W. VARIES)

MERIDIAN RD.
 (210' PUBLIC R.O.W.)

LOT 1 BENT GRASS
 EAST COMMERCIAL FILING NO. 1
 RECEPTION NO. 213713328

LOT 2A BENT GRASS
 EAST COMMERCIAL FILING NO. 2A
 RECEPTION NO. 214713554

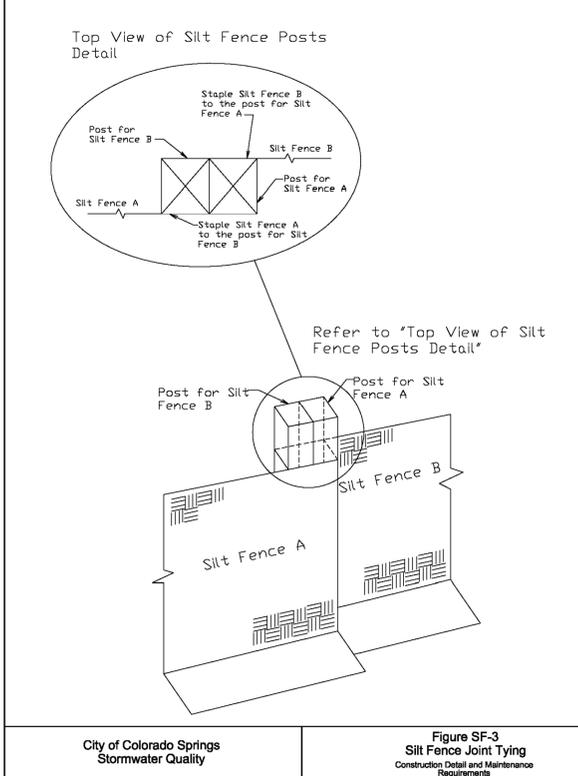
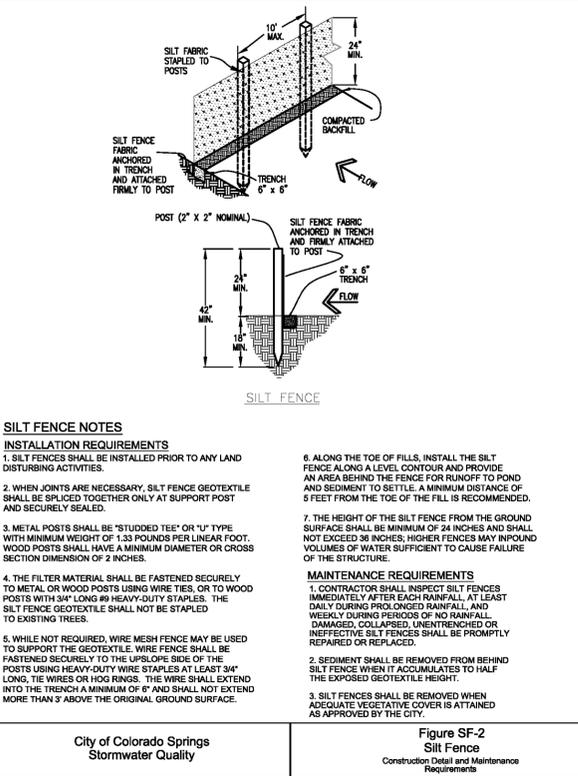
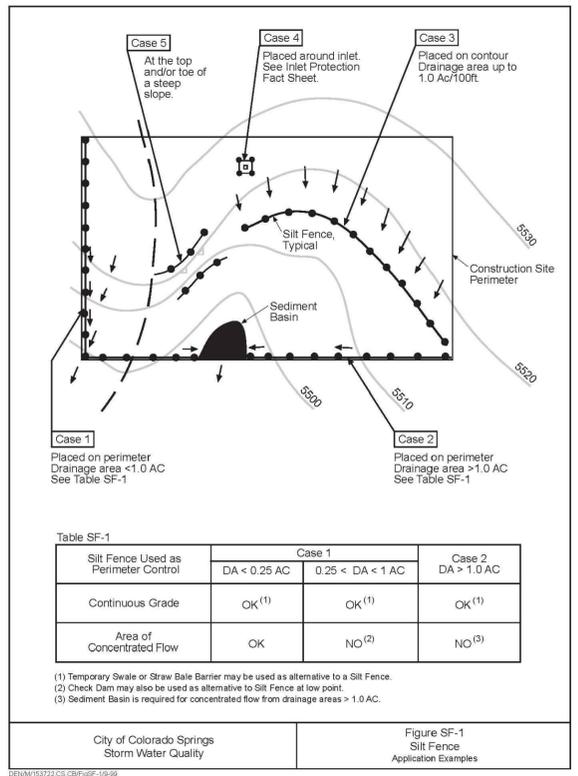
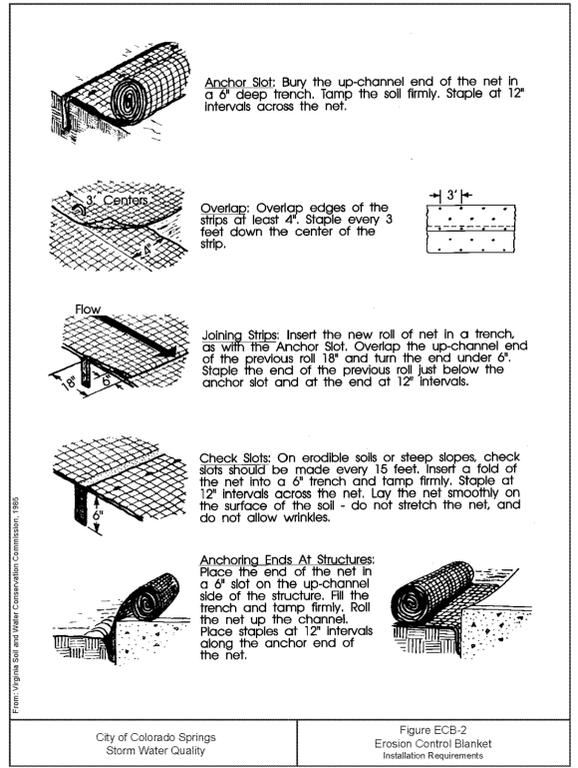
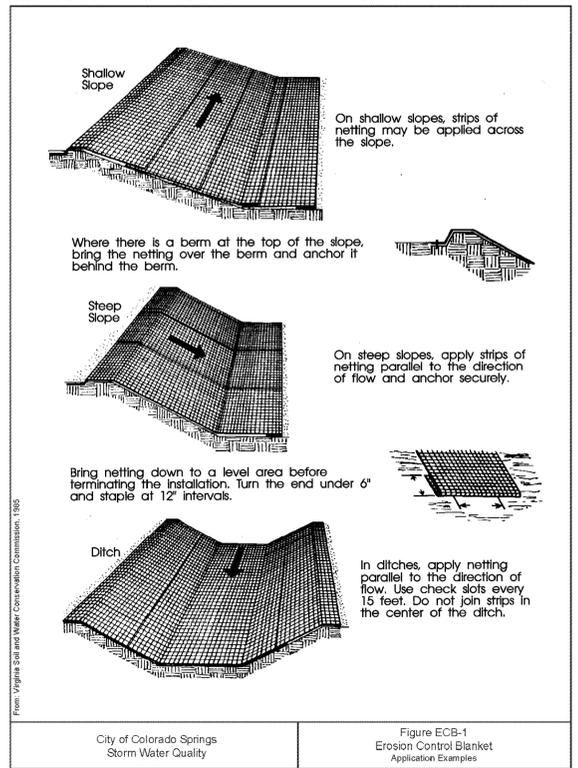
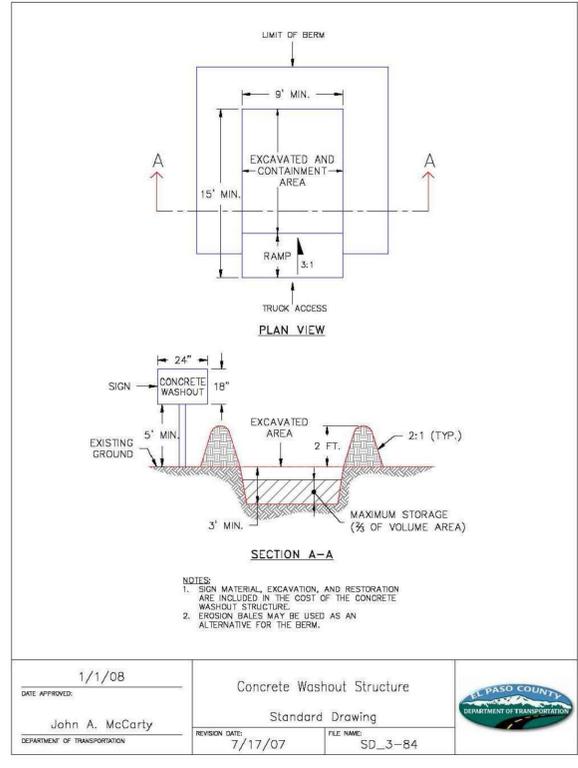
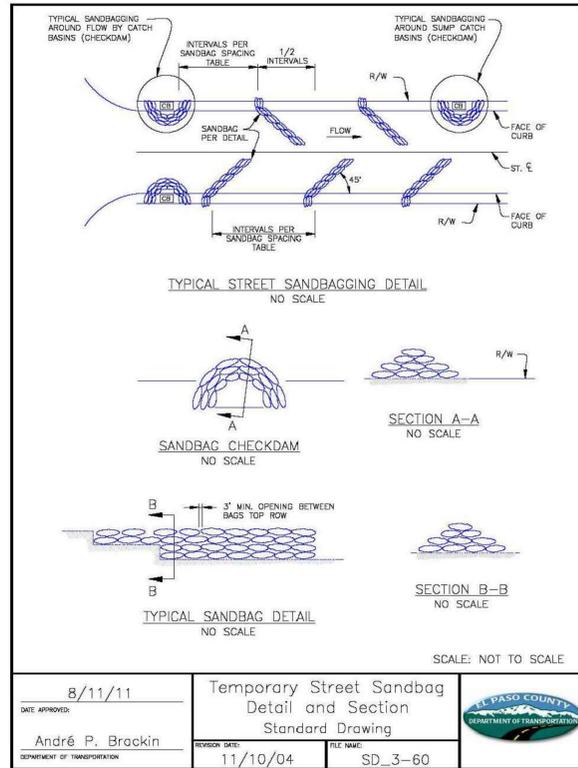
CLIENT: **CD BENT GRASS LLC**
 106 S. KYRENE RD.
 CHANDLER, AZ 85226
 PHONE:
 ATTN: B. HAYENGA

W.C. CIVIL
 7220 W. JEFFERSON AVE
 STE. 204
 LAKEWOOD, CO 80235
 PHONE: (303) 390-0172

TEMPORARY EROSION CONTROL AND SEDIMENT PLAN
 DUNKIN BENT GRASS
 GRADING & EROSION CONTROL PLANS
 LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
 LOCATED IN TOWN OF PEYTON,
 COUNTY OF EL PASO, STATE OF COLORADO

W.C. Civil Team: Date: 2022/07/21
 TS, LP
 Engineering No.: Scale: AS NOTED
 Sheet No.:

3



RECOMMENDED ANNUAL GRASSES

SPECIES (COMMON NAME)	GROWTH SEASON	SEEDING DATE	POUNDS OF PURE LIVE SEED (PLS) (PLS/ACRE)	PLANTING DEPTH (INCHES)
1. OATS	COOL	MARCH 16 - APRIL 30	35-50	1-2
2. SPRING WHEAT	COOL	MARCH 16 - APRIL 30	25-35	1-2
3. SPRING BARLEY	COOL	MARCH 16 - APRIL 30	25-35	1-2
4. ANNUAL RYEGRASS	COOL	MARCH 16 - JUNE 30	10-15	1/2
5. MILLET	WARM	MAY 16 - JULY 15	3-15	1/2-3/4
6. SUDANGRASS	WARM	MAY 16 - JULY 15	5-10	1/2-3/4
7. SORGHUM	WARM	MAY 16 - JULY 15	5-10	1/2-3/4
8. WINTER WHEAT	COOL	SEPTEMBER 1 - 30	20-35	1-2
9. WINTER BARLEY	COOL	SEPTEMBER 1 - 30	20-35	1-2
10. WINTER RYE	COOL	SEPTEMBER 1 - 30	20-35	1-2
11. TRITICALE	COOL	SEPTEMBER 1 - 30	25-40	1-2

TABLE TS-1

TEMPORARY SEEDING NOTES

INSTALLATION REQUIREMENTS

- DISTURBED AREAS ARE TO BE SEEDDED WITHIN 21 DAYS AFTER CONSTRUCTION ACTIVITY OR GRADING ENDS IF SEASON ALLOWS.
- IF NECESSARY, SOIL IS TO BE CONDITIONED FOR PLANT GROWTH BY APPLYING TOPSOIL, FERTILIZER, OR LIME.
- SOIL IS TO BE TILLED IMMEDIATELY PRIOR TO APPLYING SEEDS. COMPACT SOILS ESPECIALLY NEED TO BE LOOSENED.
- SEEDBED DEPTH IS TO BE 4 INCHES FOR SLOPES FLATTER THAN 2:1, AND 1 INCH FOR SLOPES STEEPER THAN 2:1.
- ANNUAL GRASSES LISTED IN TABLE TS-1 ARE TO BE USED FOR TEMPORARY SEEDING. SEED MIXES ARE NOT TO CONTAIN ANY NOXIOUS WEED SEEDS INCLUDING RUSSIAN OR CANADIAN THISTLE, KNAWEED, PURPLE LOOSESTRIFE, EUROPEAN BINDWEED, JOHNSON GRASS, AND LEAFY STURGE.
- TABLE TS-1 ALSO PROVIDES REQUIREMENTS FOR SEEDING RATES, SEEDING DATES, AND PLANTING DEPTHS FOR THE APPROVED TYPES OF ANNUAL GRASSES.
- SEEDING IS TO BE APPLIED USING MECHANICAL TYPE DRILLS EXCEPT WHERE SLOPES ARE STEEP OR ACCESS IS LIMITED THEN HYDRAULIC SEEDING MAY BE USED.
- ALL SEEDDED AREAS ARE TO BE MULCHED (SEE FACTSHEET ON MULCHING).
- IF HYDRAULIC SEEDING IS USED THEN HYDRAULIC MULCHING SHALL BE DONE SEPARATELY TO AVOID SEEDS BECOMING ENCAPSULATED IN THE MULCH.

MAINTENANCE REQUIREMENTS

- REGULAR INSPECTIONS ARE TO BE MADE OF ALL SEEDDED AREAS TO ENSURE GROWTH.
- AREAS WHERE GROWTH IS NOT OCCURRING QUICKLY OR THE MULCH HAS BEEN REMOVED SHALL BE RE-SEEDDED AS SOON AS POSSIBLE AND RE-MULCHED IF NEEDED.
- SEEDDED AREAS ARE NOT TO BE DRIVEN OVER WITH CONSTRUCTION EQUIPMENT OR VEHICLES.

City of Colorado Springs
Stormwater Quality

Figure TS-1
Temporary Seeding Construction Detail and Maintenance Requirements

Client: CD BENT GRASS LLC
106 S. KYRENE RD.
CHANDLER, AZ 85226
PHONE: [REDACTED]
ATTN: B. HAYENGA

DATE: 03/18/22

DESCRIPTION: INITIAL GEC SUBMITTAL

NO. [REDACTED]

W.C. CIVIL
7220 W. JEFFERSON AVE
STE. 204
LAKEWOOD, CO 80235
PHONE: (303) 390-0172

WC CIVIL

SITE DETAILS

DUNKIN BENT GRASS
GRADING & EROSION CONTROL PLANS
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
LOCATED IN TOWN OF PEYTON,
COUNTY OF EL PASO, STATE OF COLORADO

WC Civil Team: Date: 2022/07/21
TS, LP
Engineering No.: Scale: AS NOTED
Sheet No.: [REDACTED]

CDM\153722.CS CBP\GEC-16-90

CDM\153722.CS CBP\GEC-16-90

CDM\153722.CS CBP\GEC-16-90

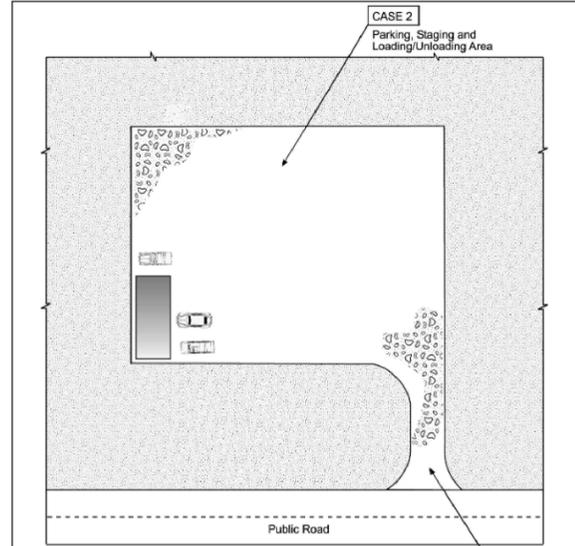
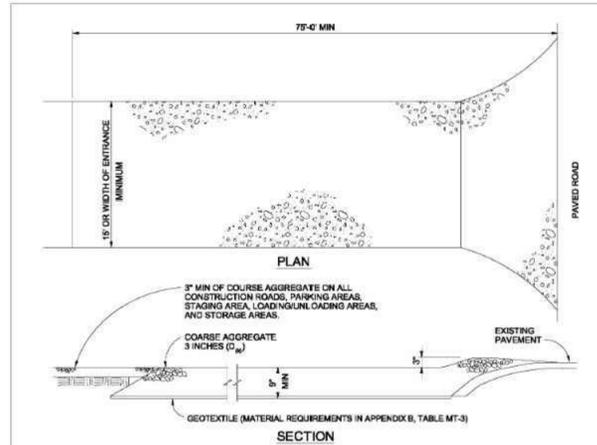


Table VT-1

	Case 1	Case 2
Gravel Thickness	9"	3"
Filter Fabric	YES	NO

City of Colorado Springs
Storm Water Quality

Figure VT-1
Vehicle Tracking
Application Examples



VEHICLE TRACKING

VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

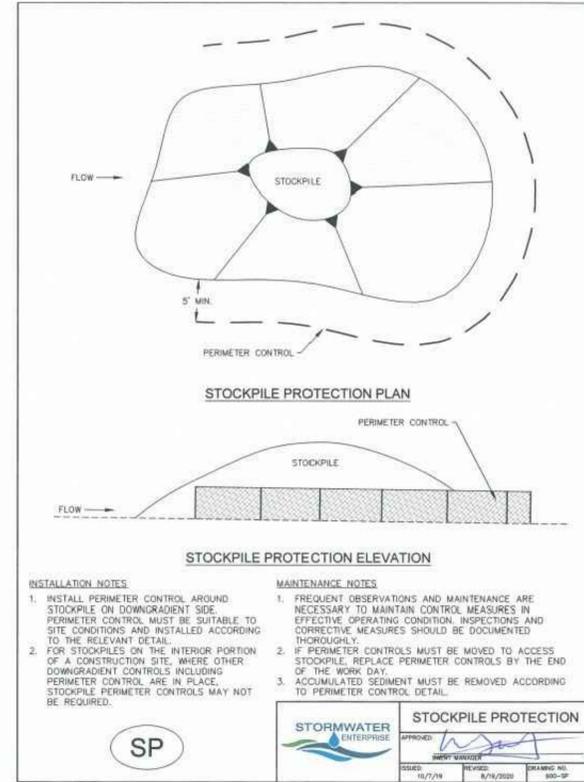
1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
3. AREAS TO BE STABILIZED ARE TO BE PROPERLY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

MAINTENANCE REQUIREMENTS

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

City of Colorado Springs
Stormwater Quality

Figure VT-2
Vehicle Tracking
Application Examples



INSTALLATION NOTES

1. INSTALL PERIMETER CONTROL AROUND STOCKPILE ON DOWNGRADIENT SIDE. PERIMETER CONTROL MUST BE SUITABLE TO SITE CONDITIONS AND INSTALLED ACCORDING TO THE RELEVANT DETAIL.
2. FOR STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS INCLUDING PERIMETER CONTROL ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. IF PERIMETER CONTROLS MUST BE MOVED TO ACCESS STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORK DAY.
3. ACCUMULATED SEDIMENT MUST BE REMOVED ACCORDING TO PERIMETER CONTROL DETAIL.



STOCKPILE PROTECTION

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/18/2020 DRAWING NO.: 300-3P

SITE DETAILS

DUNKIN BENT GRASS
GRADING & EROSION CONTROL PLANS
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
LOCATED IN TOWN OF PEYTON,
COUNTY OF EL PASO, STATE OF COLORADO

WC Civil Team: TS, LP Date: 2022/07/21
Engineering No.: Scale: AS NOTED
Sheet No.:

W.C. CIVIL
7220 W. JEFFERSON AVE
STE. 204
LAKEWOOD, CO 80235
PHONE: (303) 390-0172



Client: **CD BENT GRASS LLC**
106 S. KYRENE RD.
CHANDLER, AZ 85226
PHONE:
ATTN: B. HAYENGA

NO.	DESCRIPTION	DATE
-	INITIAL GEC SUBMITTAL	03/18/22

GRADING AND EROSION CONTROL NOTES

- 1. 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.
2. 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.
3. 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, MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON-SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
4. ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED 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 STAFF.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE 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. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE.
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
14. DURING DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
16. 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.
17. 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. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
20. 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.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.

- 24. OWNER/DEVELOPER AND THEIR AGENTS 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 OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
27. A WATER SOURCE SHALL BE AVAILABLE ON-SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC., DATED SEPTEMBER 23, 2022 AND SHALL BE CONSIDERED A PART OF THESE PLANS.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (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

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS 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 SPECIFICATION

ENGINEER OF RECORD SIGNATURE DATE

OWNER'S STATEMENT

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

OWNER SIGNATURE DATE

EL PASO COUNTY:

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

JOSHUA PALMER, P.E. DATE
INTERIM COUNTY ENGINEER/ECM ADMINISTRATOR

ENGINEER OF RECORD:

THE GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS COMPLETE AND 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.

ENGINEER OF RECORD SIGNATURE DATE

REVIEW ENGINEER:

THE GRADING AND EROSION CONTROL PLAN WAS REVIEWED AND FOUND TO MEET THE CHECKLIST REQUIREMENTS EXCEPT WHERE OTHERWISE NOTED OR ALLOWED BY AN APPROVED DEVIATION REQUEST.

REVIEW ENGINEER DATE

Removed and added to GEC plan sheets.

These are for the GEC plan sheets

Removed and added to GEC plan sheets.

Please breakout the site dev plan sheets and GEC plan sheets. Please see attached std signature blocks for GEC plan.

Remove not needed

Removed.

Removed and added to GEC plan sheets.

Remove for GEC Plan sheet set only

Grading and Erosion Control Plans (standalone)

Design 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 plan.

[Name, P.E. #] Date

Owner/Developer's Statement:

I, the owner/developer have read and will comply with the requirements of the grading and erosion control plan.

[Name, Title] Date
[Business Name]
[Address]

El Paso County:

County plan review is provided only for general conformance with County Design Criteria. The County is not responsible for the accuracy and adequacy of the design, dimensions, and/or elevations which shall be confirmed at the job site. The County through the approval of this document assumes no responsibility for completeness and/or accuracy of this document.

Filed in accordance with the requirements of the El Paso County Land Development Code, Drainage Criteria Manual, Volumes 1 and 2, and Engineering Criteria Manual as amended.

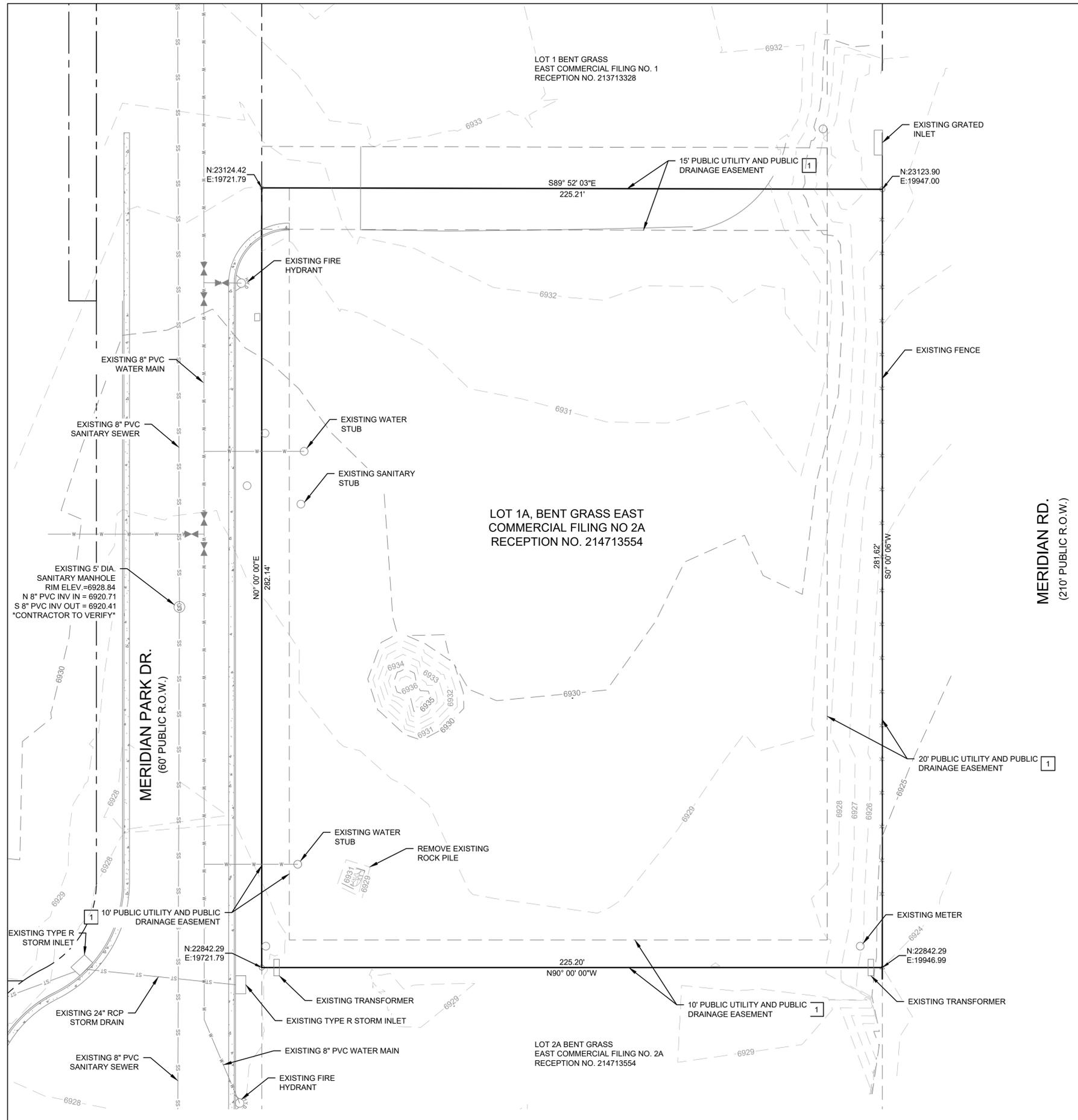
In accordance with ECM Section 1.12, these construction documents will be valid for construction for a period of 2 years from the date signed by the El Paso County Engineer. If construction has not started within those 2 years, the plans will need to be resubmitted for approval, including payment of review fees at the Planning and Community Development Directors discretion.

County Engineer / ECM Administrator Date



GENERAL NOTES
DUNKIN BENT GRASS
SITE DEVELOPMENT PLAN
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
LOCATED IN TOWN OF PEYTON,
COUNTY OF EL PASO, STATE OF COLORADO

W/C Civil Team: Date:
TS, LP 2022/09/21
Engineering No.: Scale:
AS NOTED
Sheet No.:



LEGEND EXISTING

	RIGHT-OF-WAY
	PROPERTY LINE
	ELECTRICAL LINE
	TELEPHONE LINE
	GAS LINE
	WATER LINE
	SEWER LINE
	STORM DRAIN
	SEWER MANHOLE
	STORM MANHOLE
	ELECTRICAL POLE
	ELECTRICAL BOX
	ELECTRICAL METER
	COMMUNITY ANTENNA TELEVISION
	SIGN POST

NOTES

1. TOPOGRAPHIC SURVEY PERFORMED BY CLASSIC CONSULTING ON DECEMBER 10, 2021.
2. OPEN TRENCH SHORING, DEWATERING, & TRAFFIC CONTROL SHALL BE PROVIDED BY CONTRACTOR.
3. SERVICE OUTAGES SHALL BE COORDINATED WITH AND APPROVED BY THE COUNTY OF EL PASO IF REQUIRED PRIOR TO START OF WORK.
4. ALL EXISTING UTILITIES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO POT-HOLE AND FIELD VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES IN AREAS OF WORK PRIOR TO DEMOLITION AND CONSTRUCTION.
6. DEMOLITION, REMOVAL, OR RELOCATION OF EXISTING UTILITIES SHALL BE COORDINATED WITH THE UTILITY PROVIDER PRIOR TO THE START OF CONSTRUCTION.
7. FOR ALL DEMOLITION OF EXISTING CONCRETE, SAWCUT EXISTING CONCRETE AT NEAREST JOINT.

EASEMENT DATA		
EASEMENT	USE	RECEPTION No.
1	DRAINAGE	214713554

Client:	CD BENT GRASS LLC
Address:	106 S. KYRENE RD. CHANDLER, AZ 85226
Phone:	PHONE: A.TTN: B. HAYENGA

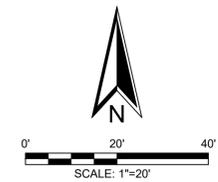
NO.	DESCRIPTION	DATE
1	REVISED PER COUNTY COMMENTS	09/30/22

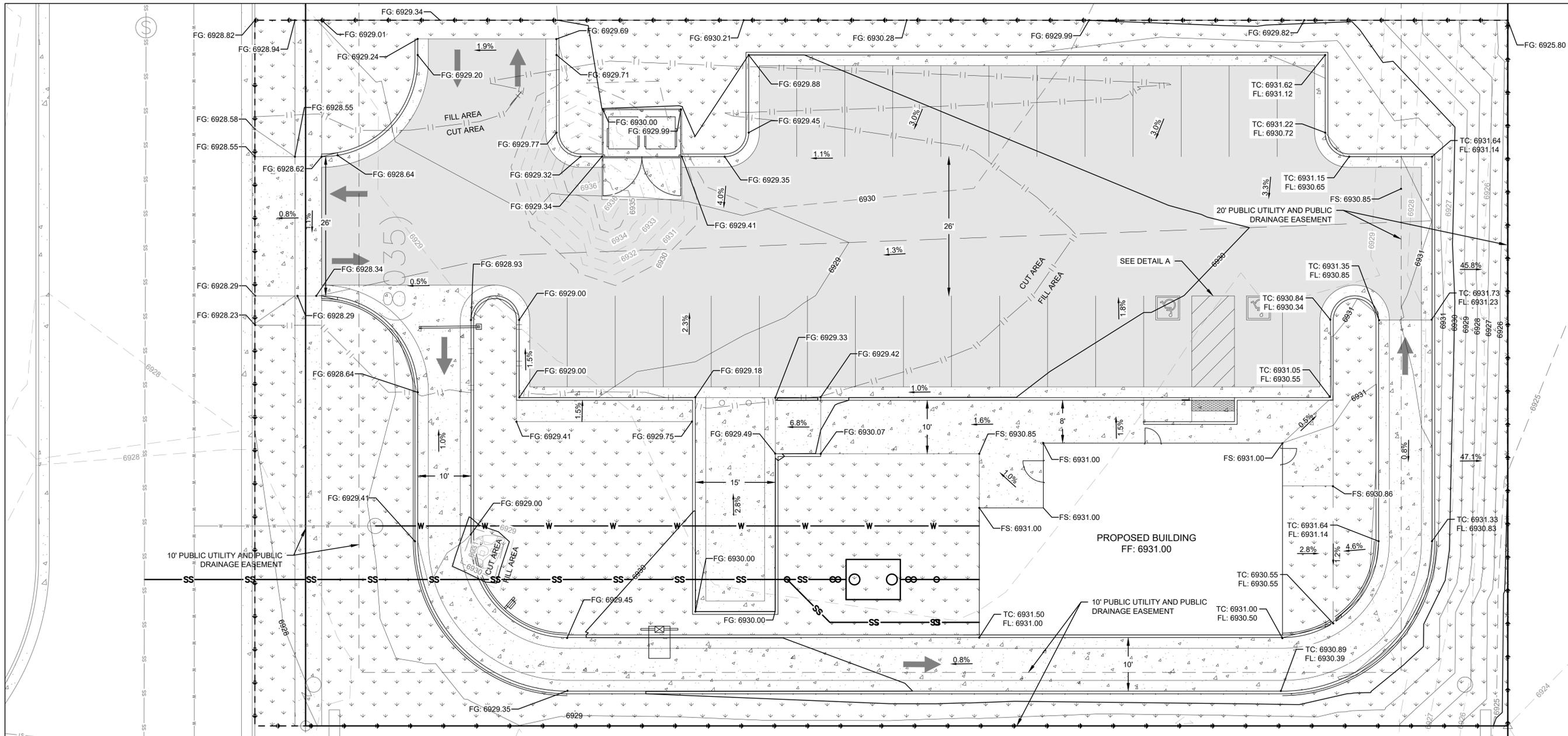
W.C. CIVIL
7220 W. JEFFERSON AVE
STE. 204
LAKEWOOD, CO 80235
PHONE: (303) 390-0172

EXISTING CONDITIONS AND DEMOLITION PLAN
DUNKIN BENT GRASS
SITE DEVELOPMENT PLAN
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
LOCATED IN TOWN OF PEYTON,
COUNTY OF EL PASO, STATE OF COLORADO

WC Civil Team:	Date:
TS, LP	2022/09/21
Engineering No.:	Scale:
	AS NOTED

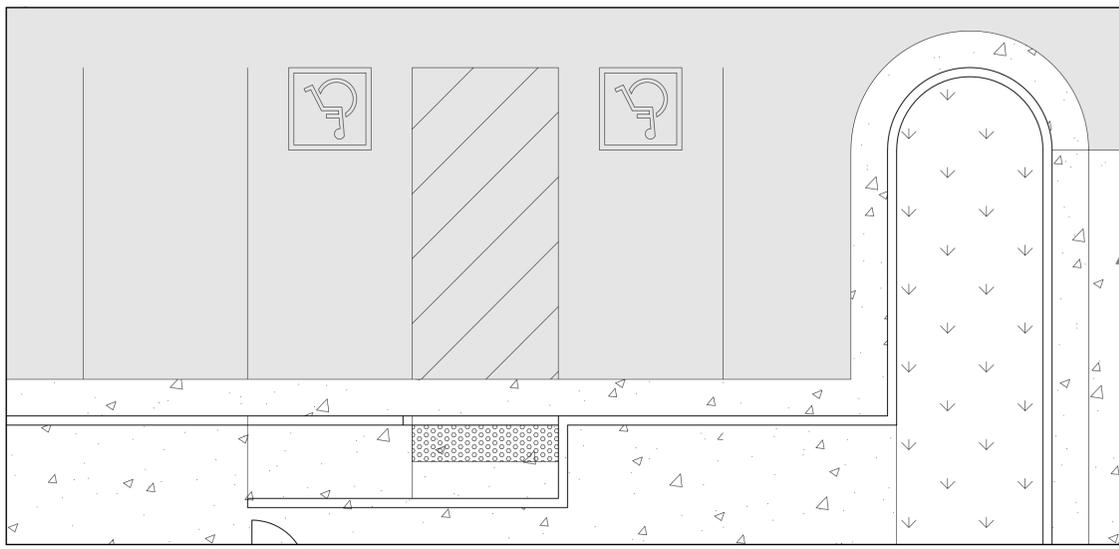
Sheet No.: 3





LEGEND

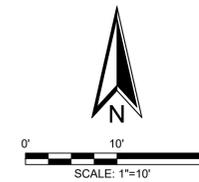
EXISTING		PROPOSED	
	RIGHT-OF-WAY		PARKING / WALKWAY STRIPING
	PROPERTY LINE		AC PAVEMENT
	ELECTRICAL LINE		SIDEWALK
	TELEPHONE LINE		LANDSCAPING
	GAS LINE		CURB AND GUTTER
	WATER LINE		ADA ACCESSIBLE PATHWAY
	SEWER LINE		SEWER LATERAL
	STORM DRAIN		WATER LATERAL
	EXISTING MAJOR CONTOUR		GAS SERVICE LATERAL
	EXISTING MINOR CONTOUR		ELECTRIC SERVICE
	SEWER MANHOLE		TELECOMMUNICATION SERVICE
	STORM MANHOLE		GRADE BREAK
	ELECTRICAL POLE		GRADING LIMITS
	ELECTRICAL BOX		MAJOR CONTOUR
	ELECTRICAL METER		MINOR CONTOUR
	COMMUNITY ANTENNA TELEVISION		
	SIGN POST		



DETAIL A
SCALE: 1" = 5'

NOTES

1. GRADING PLANS ARE PRELIMINARY AND ARE NOT FOR CONSTRUCTION.



Client:
CD BENT GRASS LLC
106 S. KYRENE RD.
CHANDLER, AZ 85226
PHONE:
ATTN: B. HAYENGA

NO.	DESCRIPTION	DATE
1	INITIAL SUBMITTAL	03/18/22
	REVISED PER COUNTY COMMENTS	09/30/22

W.C. CIVIL
7220 W. JEFFERSON AVE
STE. 204
LAKEWOOD, CO 80235
PHONE: (303) 390-0172

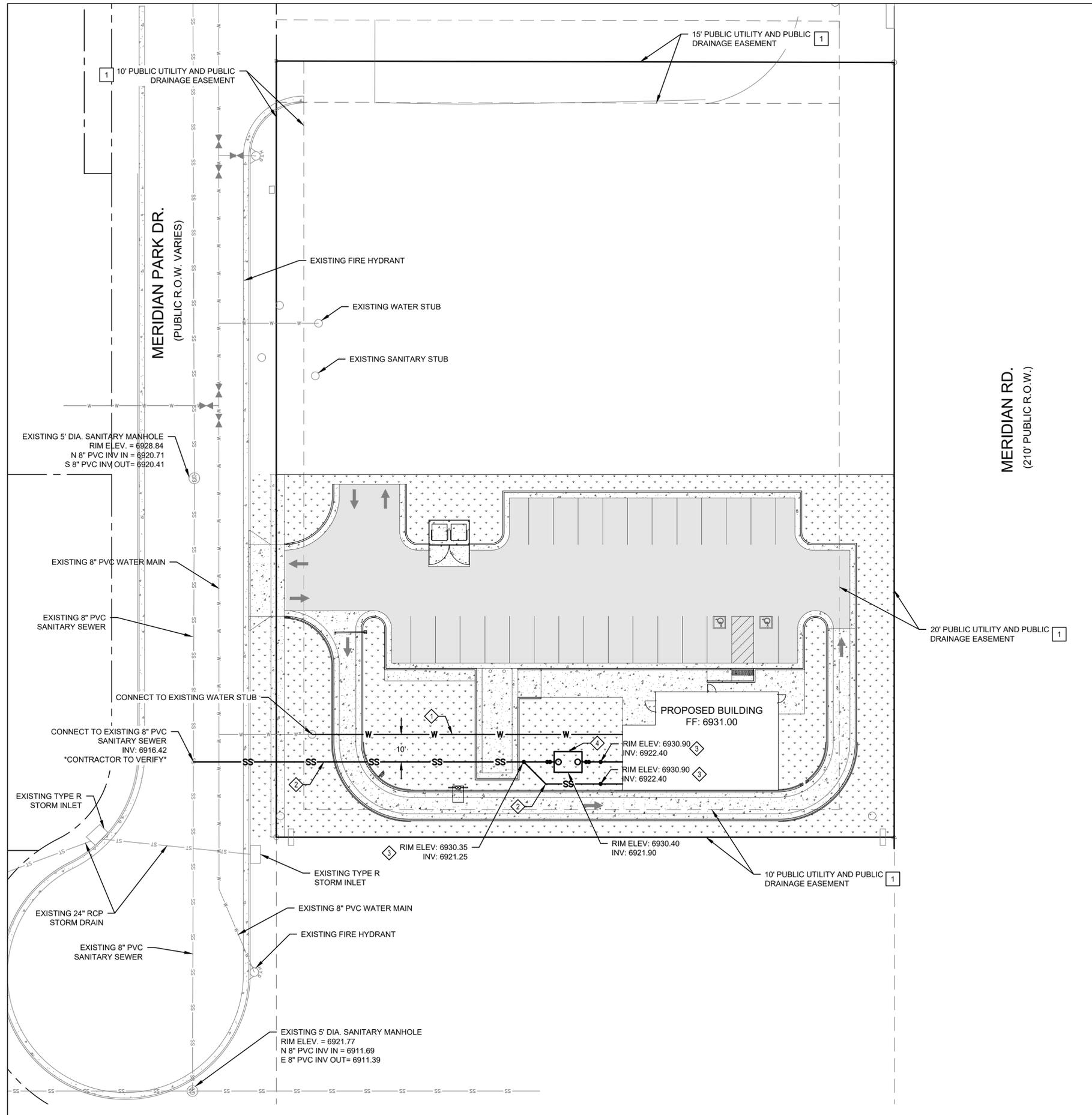


GRADING & DRAINAGE PLAN

DUNKIN BENT GRASS
SITE DEVELOPMENT PLAN
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
LOCATED IN TOWN OF PEYTON,
COUNTY OF EL PASO, STATE OF COLORADO

W.C. Civil Team: Date: 2022/09/21
TS, LP
Engineering No.: Scale:
AS NOTED

Sheet No.: 5



LEGEND

EXISTING	PROPOSED	
— — — — —		PARKING / WALKWAY STRIPING
— — — — —		AC PAVEMENT
— — — — —		SIDEWALK
— — — — —		LANDSCAPING
— — — — —		CURB AND GUTTER
— — — — —		ADA ACCESSIBLE PATHWAY
— — — — —		SEWER LATERAL
— — — — —		WATER LATERAL
— — — — —		GAS SERVICE LATERAL
— — — — —		ELECTRIC SERVICE
— — — — —		TELECOMMUNICATION SERVICE
— — — — —		GRADE BREAK
— — — — —		GRADING LIMITS
— — — — —		MAJOR CONTOUR
— — — — —		MINOR CONTOUR

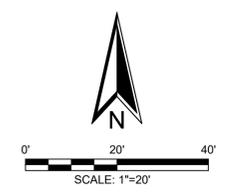
UTILITY NOTES

- 1. INSTALL (N) 1-INCH TYPE-K COPPER WATER SERVICE PER COLORADO SPRINGS UTILITY STD B1-1 (SEE SHEET 9).
- 2. INSTALL (N) 4" PVC SANITARY SEWER SERVICE PER COUNTY OF EL PASO STD DETAIL SD_4-20 (SEE SHEET 9).
- 3. INSTALL (N) SEWER CLEANOUT PER COLORADO SPRINGS UTILITY STD D1-10 (SEE SHEET 9).
- 4. INSTALL (N) GREASE INTERCEPTOR PER COLORADO SPRINGS UTILITIES STD C4-2 (SEE SHEET 9).
- 5. INSTALL (N) UTILITY TRENCH PER COUNTY OF EL PASO STD DETAIL SD_4-20 (SEE SHEET 9).
- 6. CONNECT TO EXISTING SANITARY MAIN PER COLORADO SPRING UTILITIES STD DETAIL D1-9 (SEE SHEET 9).

UTILITIES NOTES

- 1. ALL PROPOSED EASEMENT MUST BE RECORDED PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS.
- 2. THE MINIMUM SEPARATION BETWEEN WATER SERVICE LINES IS 5 FEET.
- 3. ALL UTILITIES BASED ON APPROVED PLANS FOR BENT GRASS EAST COMMERCIAL DEVELOPMENTS. CONTRACTOR TO CONFIRM AND VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.

EASEMENT DATA		
EASEMENT	USE	RECEPTION No.
1	DRAINAGE	214713554



Client: **CD BENT GRASS LLC**
106 S. KYRENE RD.
CHANDLER, AZ 85226
PHONE: [REDACTED]
ATTN: B. HAYENGA

DATE: 03/18/22
09/30/22

NO. 1

DESCRIPTION: INITIAL SUBMITTAL
REVISED PER COUNTY COMMENTS

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7220 W. JEFFERSON AVE
STE. 204
LAKEWOOD, CO 80235
PHONE: (303) 390-0172

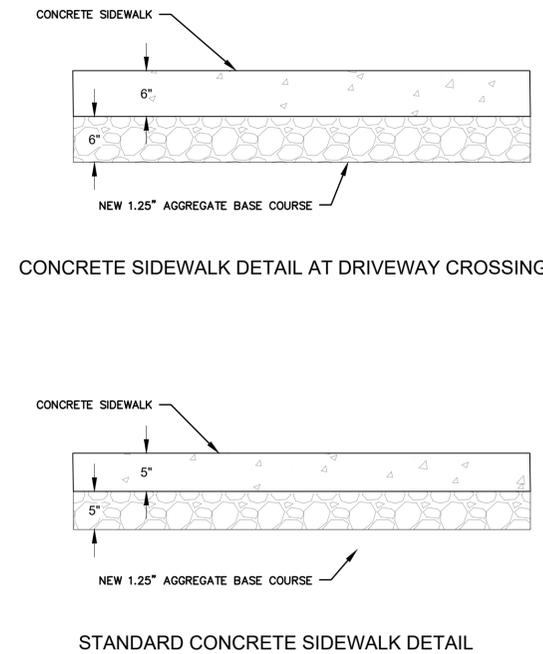
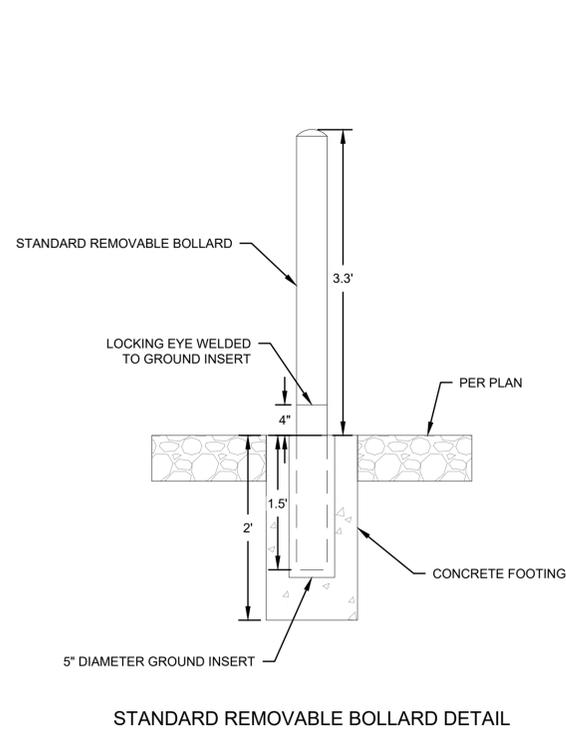
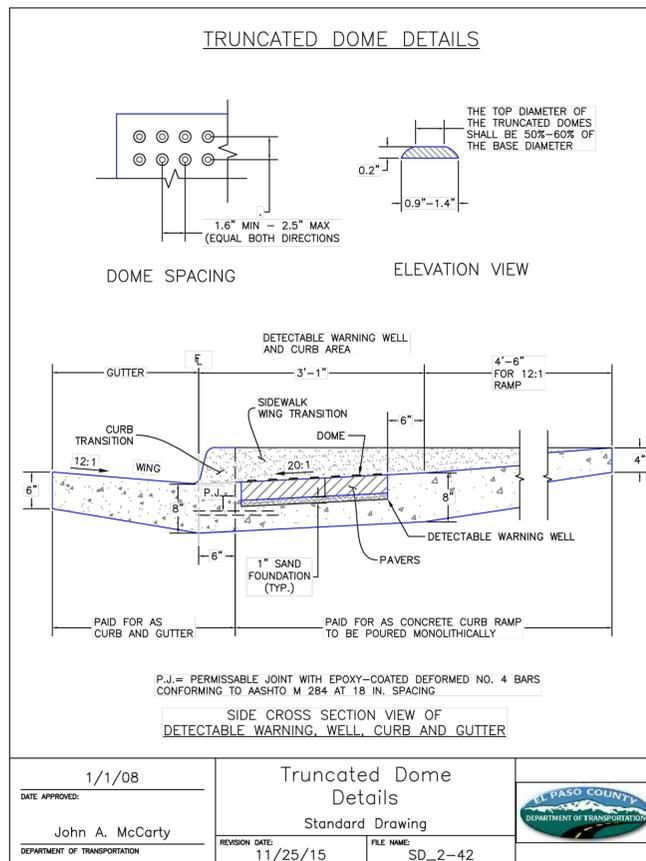
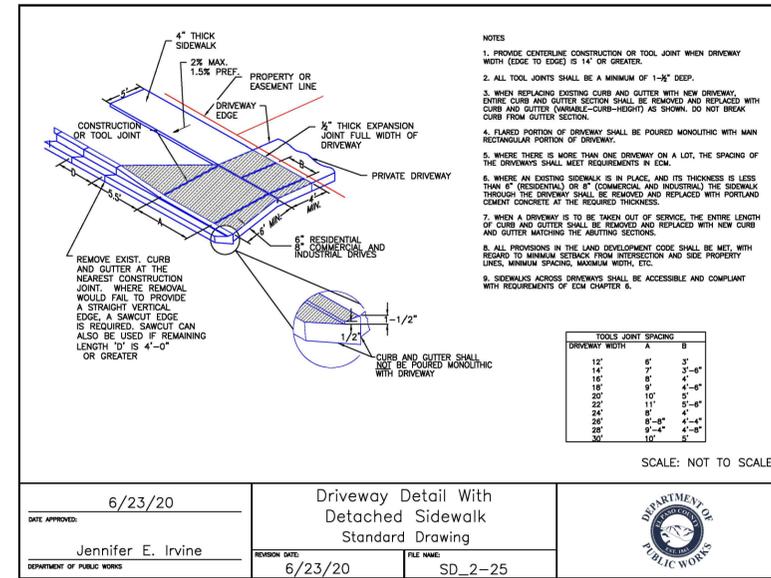
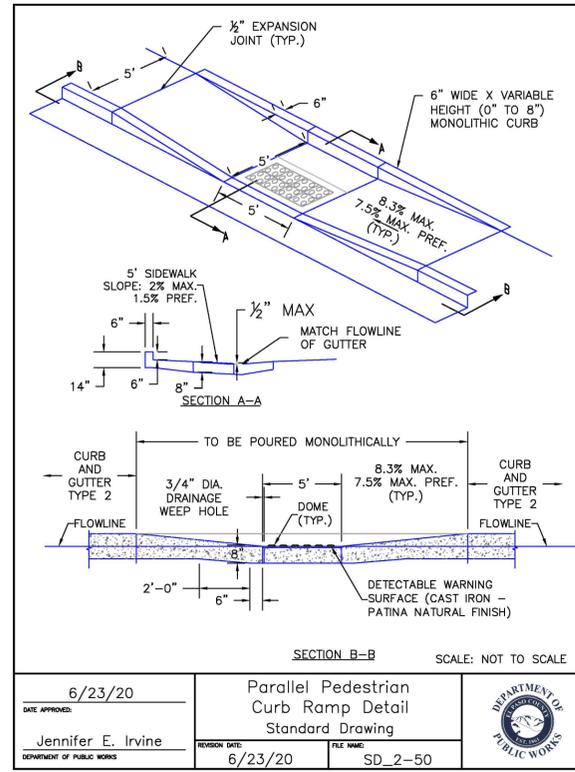
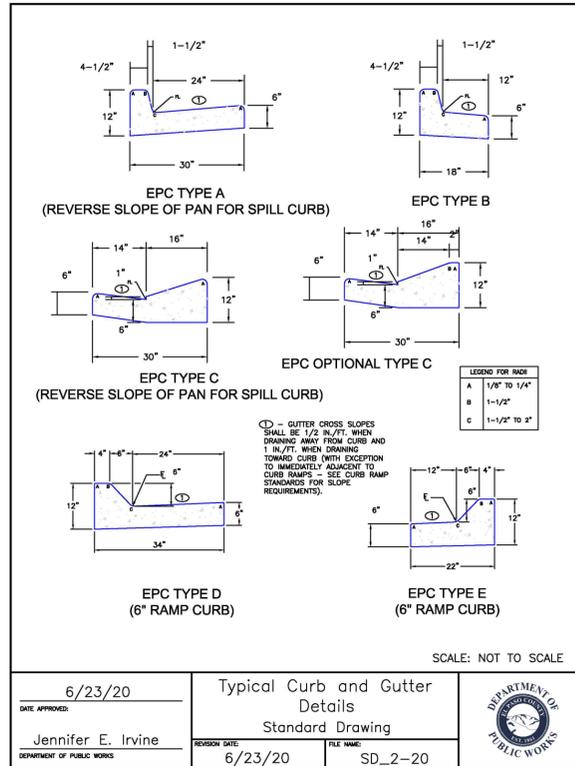
UTILITY PLAN
DUNKIN BENT GRASS
SITE DEVELOPMENT PLAN
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
LOCATED IN TOWN OF PEYTON,
COUNTY OF EL PASO, STATE OF COLORADO

W.C. CIVIL

TS, LP
2022/09/21
AS NOTED

Sheet No.:

6



Client: **CD BENT GRASS LLC**
106 S. KYRENE RD.
CHANDLER, AZ 85226
PHONE:
ATTN: B. HAYENGA

DATE: 03/18/22
09/30/22

DESCRIPTION: INITIAL SUBMITTAL
REVISED PER COUNTY COMMENTS

NO. 1

W.C. CIVIL
7220 W. JEFFERSON AVE
STE. 204
LAKEWOOD, CO 80235
PHONE: (303) 390-0172

WC CIVIL

SITE DETAILS
DUNKIN BENT GRASS
SITE DEVELOPMENT PLAN
LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
LOCATED IN TOWN OF PEYTON,
COUNTY OF EL PASO, STATE OF COLORADO

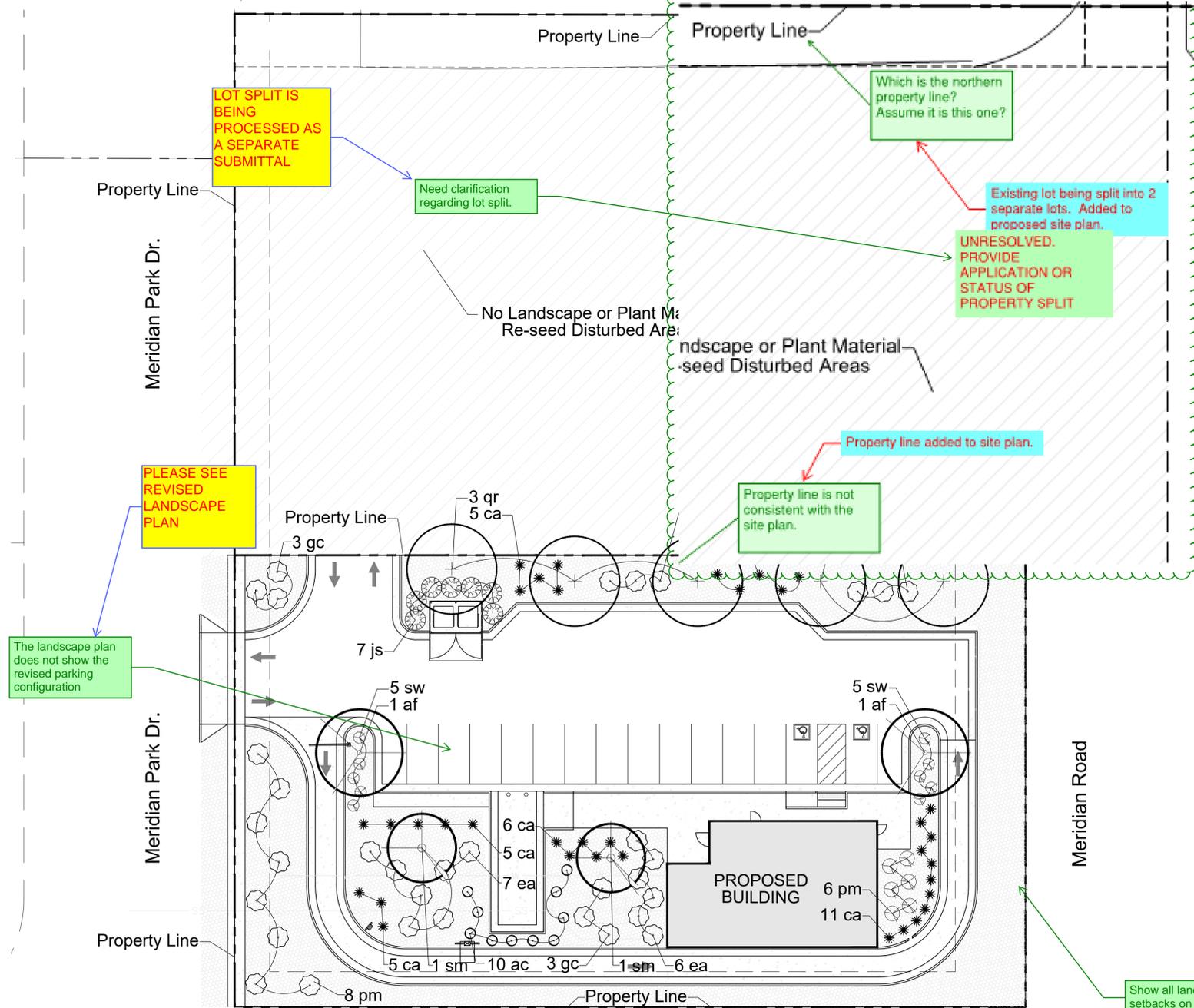
File: WC Civil Team: Date: 2022/09/21
TS, LP
Engineering No.: Scale: AS NOTED
Sheet No.:

PLANT MATERIAL SCHEDULE:

SYMBOL	QTY	KEY	BOTANICAL NAME	COMMON NAME	MATURE WIDTH	PLANTING SIZE	NOTES
SHADE TREES							
	3	qr	QUERCUS RUBRA	NORTHERN RED OAK	40'-60'	2" CAL.	B & B
	2	af	ACER X FREMANII	AUTUMN BLAZE MAPLE	25'-30'	2" CAL.	B & B
	2	ta	TILIA AMERICANA	AMERICAN LINDEN	25'-30'	2" CAL.	B & B
ORNAMENTAL TREES							
	2	sm	MALUS SP. 'SPRINGSNOW'	SPRINGSNOW CRABAPPLE	15'-20'	2" CAL.	B & B
EVERGREEN TREES							
	7	js	JUNIPERUS SCOPULORUM 'SKYROCKET'	SKYROCKET JUNIPER	15'-20'	6' HT.	B & B
SHRUBS							
	10	sw	SPIREA JAPONICA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	3'-4'	5 GAL.	CONT.
	12	gc	RIBES AUREUM	GOLDEN CURRANT	3'-3-6"	5 GAL.	CONT.
	10	ac	RIBES ALPIMUM	ALPINE CURRANT	3'-3-6"	5 GAL.	CONT.
	14	pm	PHYSOCARPUS MANOGYNUS	MOUNTAIN NINEBARK	3'-5'	5 GAL.	CONT.
	13	ea	EUONYMUS ALTATUS 'COMPACTA'	DWARF BURNING BUSH	4'-5'	5 GAL.	CONT.
ORNAMENTAL GRASS							
	37	ca	CALAMAGROSTIS ACUTIFLORA	FEATHER REED GRASS	2'-3'	5 GAL.	CONT.

GENERAL PLANTING NOTES:

- PRIOR TO BEGINNING ANY WORK ON THE SITE THE LANDSCAPE CONTRACTOR SHALL CONTACT THE OFFICE OF THE GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK.
- LANDSCAPE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICE NECESSARY TO FURNISH AND INSTALL PLANTINGS AND MATERIALS AS SPECIFIED HEREIN AND AS SHOWN ON PLANS.
- NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT THE LANDSCAPE ARCHITECTS APPROVAL IN WRITING. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED.
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REVISE PLANT MATERIAL LIST AS DEEMED NECESSARY.
- ALL PLANT LOCATIONS ARE APPROXIMATE. ADJUST AS NECESSARY TO AVOID CONFLICTS.
- QUANTITIES OF MATERIALS SHOWN ON THE PLANTING PLAN TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT MATERIAL SCHEDULE. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFY ALL QUANTITIES ON THE PLANTING PLAN(S).
- LANDSCAPE CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE COMMENCEMENT OF WORK. VERIFY EXACT LOCATION OF ALL UTILITIES BY CONTACTING APPROPRIATE UTILITY COMPANIES. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR / REPLACEMENT FOR ANY DAMAGE CAUSED TO UTILITIES.
- FINISH GRADE SHALL BE ADJUSTED FOR TURF THICKNESS.
- ALL PLANT MATERIALS SHALL HAVE BACKFILL, CAREFULLY PLACED AROUND BASE AND IDES OF BALL TO TWO-THIRDS (2/3) DEPTH OF BALL THEN THOROUGHLY SOAKED WITH WATER TO ALLOW SETTLEMENT. ALL WIRE, BURLAP FASTENERS, TOP ONE-THIRD (1/3) OF BURLAP AND LOOSE BURLAP SHALL BE REMOVED AT THIS TIME THE REMAINDER OF THE PIT SHALL THEN BE BACKFILLED, ALLOWING FOR THE DEPTH OF THE MULCH SAUCER AND SETTLEMENT OF BACKFILL. BACKFILL SHALL THEN BE THOROUGHLY WATERED ONCE AGAIN.
- AFTER PLANTING IS COMPLETED REPAIR INJURIES TO ALL PLANTS AS REQUIRED. LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE THE NATURAL GROWING HABIT OR SHAPE OF THE PLANT. MAKE ALL CUTS FLUSH, LEAVING NO STUBS. CENTRAL LEADERS SHALL NOT BE REMOVED. IF THE CENTRAL LEADER OF A PLANT IS DEAD THE PLANT SHALL BE REPLACED.
- PLANT SPECIFIED GROUND COVERS WITHIN ONE FOOT OF TRUCK OF TREES AND SHRUBS PLANTED WITHIN THE AREA. PLANTING ARRANGEMENTS SHALL BE TRIANGULAR WITH PROPER SPACING BETWEEN PLANTS.
- COMMERCIAL GRADE 3/8 INCH BY 4" POWDER COATED STEEL EDGING SHALL BE USED TO SEPARATE ALL TURF AREAS FROM PLANTING BEDS. PLACE EDGING FLUSH WITH GRADE AND STAKE TO GROUND PER MANUFACTURES RECOMMENDATIONS.
- LANDSCAPE CONTRACTOR TO PROVIDE THE LANDSCAPE CONTRACTOR A SAMPLE OF PROPOSED STEEL EDGING FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- USE SHREDDED CEDAR MULCH IN ALL PLANTING BEDS AND TREE SAUCERS. LANDSCAPE CONTRACTOR SHALL PROVIDE A 1 CUBIC FOOT SAMPLE OF PROPOSED MULCH TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
- PLACE FOUR INCHES OF MULCH IN ALL SHRUB BEDS, PLACE FOUR INCHES OF MULCH IN ALL GROUND COVER, PERENNIAL BEDS AND PLACE 4 INCHES OF MULCH AT ALL TREE SAUCERS.
- PLANTING BEDS RECEIVING MULCH MULCH ARE TO BE FREE OF WEEDS AND GRASS. TREAT BEDS WITH A PRE-EMMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. DO NOT APPLY HERBICIDE IN PERENNIAL OR ANNUAL BEDS.
- LANDSCAPE CONTRACTOR TO REMOVE TREE STAKES AND ALL DEAD WOOD ON TREES AND SHRUBS ONE YEAR AFTER SUBSTANTIAL COMPLETION IS GRANTED ON THE COMPLETE PROJECT.
- REPORT ANY DISCREPANCIES IN THE PLANTING PLAN TO THE LANDSCAPE ARCHITECT PRIOR TO STARTING CONSTRUCTION.
- ALL LANDSCAPE AREAS SHALL BE IRRIGATED BY AN UNDERGROUND AUTOMATIC UNDERGROUD IRRIGATION SYSTEM. WITH SEPARATE ZONES FOR TURF AND SHRUBS / TREES / GROUNDCOVER.
- IF TRANSFORMERS, GROUND MOUNTED HVAC EQUIPMENT, UTILITY PEDESTALS, ETC. ARE NOT SHOWN ON THE SITE IMPROVEMENT PLAN, ADDITIONAL LANDSCAPE/SCREENING MAY BE REQUIRED BASED UPON FIELD CONDITIONS DISCOVERED VIA THE SITE INSPECTION BY STAFF, MADE PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY, OR FINAL INSPECTION AS APPLICABLE.



IRRIGATION NOTE

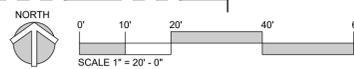
AN IRRIGATION PLAN SHALL BE SUBMITTED AND REVIEWED CONCURRENT WITH BUILDING PERMIT SUBMITTAL AND APPROVED PRIOR TO ISSUANCE OF A BUILDING PERMIT AND BEFORE ANY IRRIGATION CONSTRUCTION.

SEE REVISED LANDSCAPE PLAN

This plan does not match the landscape plan submitted in Version 2.



LANDSCAPE PLAN



Client: **CD BENT GRASS LLC**
 106 S. KYRENE RD.
 CHANDLER, AZ 85226
 PHONE: [REDACTED]
 ATTN: B. HAYENGA

DATE: 03/22/22
 09/30/22

DESCRIPTION: INITIAL SUBMITTAL
 REVISED PER COUNTY COMMENTS

NO. 1

W.C. CIVIL
 7220 W. JEFFERSON AVE
 STE. 204
 LAKEWOOD, CO 80235
 PHONE: (303) 390-0172

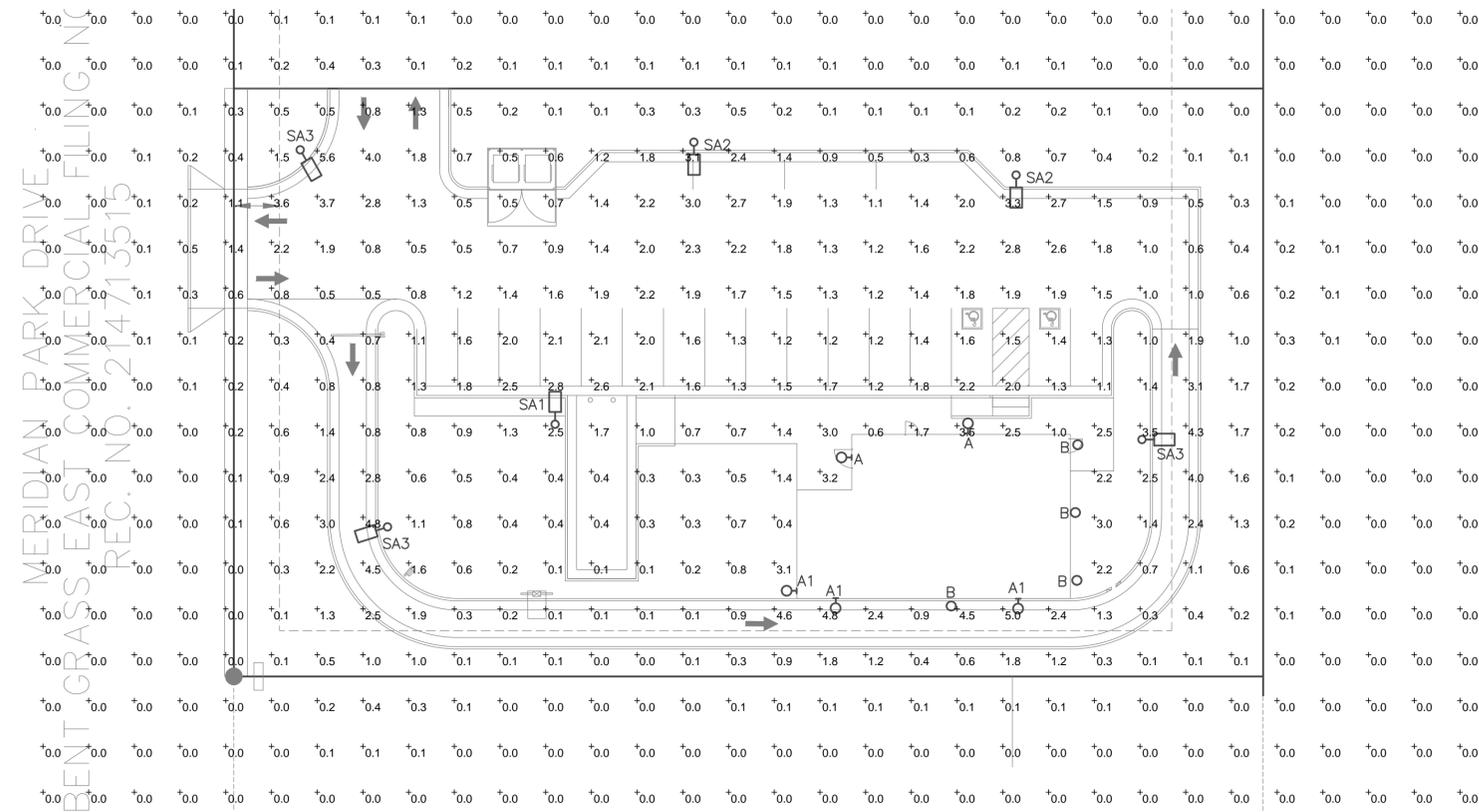
WC CIVIL

FINAL LANDSCAPE PLAN
 DUNKIN BENT GRASS
 SITE DEVELOPMENT PLAN
 LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
 LOCATED IN TOWN OF PEYTON,
 COUNTY OF EL PASO, STATE OF COLORADO

WC Civil Team: [REDACTED]
 TS, LP
 Engineering No: [REDACTED]
 Date: 2022/09/30
 Scale: AS NOTED

Sheet No.: 9

PERMIT NO.:



SITE PHOTOMETRIC PLAN

Scale: 1"=20'
0 20 40
FEET



SITE PHOTOMETRIC SUMMARY
 AVERAGE = 0.6 FT. CANDLE
 MAXIMUM = 5.6 FT. CANDLE
 MINIMUM = 0.0 FT. CANDLE

LIGHTING FIXTURE SCHEDULE

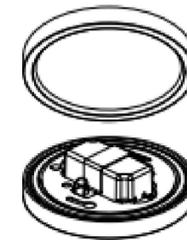
ITEM	NO.	MANUFACTURER	CAT. NO.	LAMPS	MOUNTING	DESCRIPTION
A	2	LITHONIA LIGHTING	WPX1 LED P2 40K MVOLT DDBXD	24 WATT 3000K LED 2,900 LUMENS	WALL +14 FT	EXTERIOR WALL MOUNTED CUT OFF LIGHT
A1	3	LITHONIA LIGHTING	WDGE1 LED P1 30K VW MVOLT	11 WATT 3000K LED 1200 LUMENS	WALL +9 FT	EXTERIOR WALL MOUNTED CUT OFF LIGHT
B	4	LIGHTOLIER	S5R-840K-7	10 WATT 3000K LED 650 LUMENS	UNDER SOFFIT +8 FT	5" THIN SURFACE LED DOWN LIGHT
SA1	1	LITHONIA LIGHTING	DSX1 LED P1 40K T3M-MVOLT-SPA-HSS-DBLBXD	54 WATT 3000K LED 6,967 LUMENS	16 FT POLE	SINGLE HEAD FULL CUT OFF POLE LIGHT ON SQUARE POLE, MOUNTED AT 16 FT ABOVE GRADE TO TOP OF FIXTURE, TYPE III OPTICS,HOUSE SIDE SHIELD
SA2	2	LITHONIA LIGHTING	DSX1 LED P1 40K T4M-MVOLT-SPA-HSS-DBLBXD	54 WATT 3000K LED 6,967 LUMENS	16 FT POLE	SINGLE HEAD FULL CUT OFF POLE LIGHT ON SQUARE POLE, MOUNTED AT 16 FT ABOVE GRADE TO TOP OF FIXTURE, TYPE IV OPTICS,HOUSE SIDE SHIELD
SA3	3	LITHONIA LIGHTING	DSX0 LED P1 40K T3M-MVOLT-SPA-DBLBXD	38 WATT 3000K LED 4,700 LUMENS	10 FT POLE	SINGLE HEAD FULL CUT OFF POLE LIGHT ON SQUARE POLE, MOUNTED AT 10 FT ABOVE GRADE TO TOP OF FIXTURE, TYPE III OPTICS



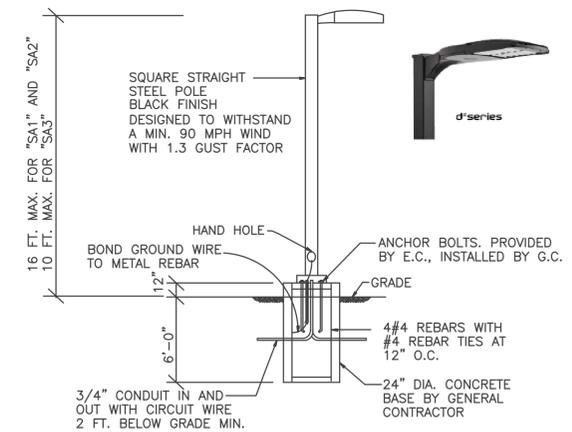
FIXTURE 'A1'



FIXTURE 'A'



FIXTURE 'B'



POLE MOUNTED FIXTURES INSTALLATION DETAIL
 FOR FIXTURES "SA1", "SA2" AND "SA3"
 NO SCALE

Client: **CD BENT GRASS LLC**
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ENGINEERING CONSULTANTS
 L.L.C. PROFESSIONAL
 ELECTRICAL ENGINEERS
 8811 E Hampden Ave. Ste. 208, Denver, CO 80231
 (303) 555-5534 (tel) walter@gecinc.com

PHOTOMETRIC PLAN
 DUNKIN BENT GRASS
 SITE DEVELOPMENT PLAN
 LOT 1A, BENT GRASS EAST COMMERCIAL FILING NO. 2A,
 LOCATED IN TOWN OF PEYTON,
 COUNTY OF EL PASO, STATE OF COLORADO

WC Civil Team: Date: 2022/03/04
 TS, LP Scale:
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PERMIT NO.: _____