LEGEND

CONCRETE

ASPHALT PAVING

CURB AND GUTTER

EDGE OF PAVEMENT LINE

HAND RAILING / RAILING

ACCESSIBLE ROUTE

LANDSCAPING

SPILL CURB

BARRIER CURB

SIDEWALK LINE

CONTOUR LINE

STORM DRAIN

SAW CUT LINE

WATER

TELEPHONE

PAINTED LINES

GAS

SANITARY SEWER

ELECTRICAL/POWER

PAINTED CROSSWALK

SIGN; SIGN AND POST

GREASE INTERCEPTOR

GUARD POST/BOLLARD

SANITARY SEWER CLEANOUT

STORM DRAIN CATCH BASIN

ELECTRICAL TRANSFORMER

EXISTING LINES AND SYMBOLS

WATER METER/BACKFLOW

STORM DRAIN CLEANOUT

ELECTRICAL PULL BOX

EASEMENT LINES

PROPERTY LINE

SIDEWALK LINES

CONCRETE LINE

FIBER/DATA LINE

CONTOUR LINE

ELECTRIC LINE

WATER LINE

SANITARY LINE

WATER METER

FIRE HYDRANT

WATER VALVE

SIGN AND POST

PIPE BOLLARD

TRANSFORMER

TREES

CLEANOUT

UTILITY PEDESTAL

IRR. CONTROL VALVE

POWER/UTILITY POLE

STORM DRAIN CATCH BASIN

GAS VALVE

SANITARY SEWER MANHOLE

GAS LINE

LOT LIGHT

CURB LINES

GUTTER LINE

SIGN PER ARCHITECTURAL

SITE LOT LIGHT

GAS METER

DATA/COMMUNICATIONS

PAINTED DIRECTIONAL SYMBOLS

WALL LINE

PROPOSED LINES AND SYMBOLS

 \leftarrow - - \leftarrow -

____w__

—— G ——

_____T___

——F/O——

——ELE——

____ W ___

——GAS——

----- SS ----

GENERAL SITE NOTES

- 1. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
- 2. CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
- 5. INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
- PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MINIMUM ADVANCE NOTIFICATION TO OWNER. FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC. AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
- 10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
- 1. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARCHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.
- 12. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC.
- 13. CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS, INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.

LEGEND

ABBREVIATIONS

MIN

PCC

PUE

PVC

ROW

SCH

SHT

STA

STD

SWR

TOP

TYP

AGGREGATE BASE

BACK OF WALK

EDGE OF PAVEMENT

CENTER LINE

CONCRETE

ELEVATION

DRAWING

EXISTING

FLOW LINE

LINEAR FEET

STORM DRAIN

MAXIMUM

MANHOLE

INVERT

FIRE HYDRANT

BOUNDARY

BNDY

BOW

CONC

DWG

ELEV

MAX

ASPHALT CONCRETE PAVEMENT

SANITARY SEWER

PROPERTY LINE

POWER POLE

RIGHT OF WAY

SCHEDULE

SHEET

STATION

STANDARD

SIDEWALK

TOP OF PIPE

TRASH ENCLOSURE

SEWER

TYPICAL

PORTLAND CONCRETE CEMENT

PUBLIC UTILITY EASEMENT

POLYVINYL CHLORIDE

MINIMUM

DUTCH BROS. COFFEE - CO0907, COLORADO SPRINGS, CO

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO

PCD FILE NO PPR2413 89°58'44"W 150.12' (M) 50' SETBACK **DUTCH BROS** COFFEE L=136.79'(C)-R=100.00' (R3&C) $\Delta = 78^{\circ}26'27''$ (C) CH=S50°44'44"E CH = 126.37'(C)L=137.01 (R3) $\Delta = 78^{\circ}30'13'' \text{ (R3)}$ CH=S51°39'54"E CH = 126.55 (R3)R=100.00' (R3&C) $\Delta = 89°32'01"$ (C) CH=N44°19'31"W 9.82 CH = 140.85' (C)N00°33'11' L=155.57 (R3)9.90' (R3) $\Delta = 89^{\circ}08'05'' (R3)$ ——OMAHA BLVD. CH=N45°00'29"W L=1.64' (R4&C CH = 140.35' (R3)R=100.00' (R4&C) $\Delta = 0.56'32''$ (C) CH=N89°32'16"W CH = 1.64' (C) $\Delta = 1^{\circ}22'05'' (R4)$

CH=S89°44'25"W

CH = 2.39' (R4) - - -

OWNER

EASTBOUND & DOWN LLC c/o SANSOME PACIFIC 221 PINE STREET, 4TH FLOOR SAN FRANCISCO, CA 94104 TEL: (415) 963-4704 CONTACT: TOM SOUZA EMAIL: TSOUZA@SPPINC.COM

BUILDING ARCHITECT

ARMET DAVIS NEWLOVE & ASSOCIATES 1330 OLYMPIC BLVD. SANTA MONICA, CA 90404 TEL: (310) 452-5533

CONTACT: PAUL DEPPE

ENGINEER

BARGHAUSEN CONSULTING ENGINEERS, INC. 18215 72ND AVE. SOUTH KENT, WA 98032 TEL: (425) 251-6222 CONTACT: ANTHONY E. MERLINO, P.E. EMAIL: AMERLINO@BARGHAUSEN.COM

DEVELOPER

DUTCH BROS COFFEE 110 SW 4TH STREET GRANTS PASS, OR 97526 TEL: (916) 765-7270 CONTACT: RUSS ORSI

GEOTECHNICAL

CMT ENGINEERING LABORATORIES 2796 S REDMOND RD WEST VALLEY CITY, UT 84119 TELE: (801) 590-0394

CONTACT: PHIL PACK, P.E. SURVEYOR

FORTH LAND SURVEYING, INC. 1586 S. 21ST STREET, SUITE 10 COLORADO SPRINGS, CO 80904 TELE: (719) 722-7446 CONTACT: CAMERON FORTH EMAIL: CAMERON@FORTHLS.COM

CIVIL SHEET INDEX Sheet Number Sheet Title COVER SHEET GENERAL NOTES ALTA - NSPS LAND TITLE SURVEY DEMOLITION PLAN EROSION AND SEDIMENT CONTROL PLAN EROSION CONTROL DETAILS 7 SITE PLAN HORIZONTAL CONTROL PLAN 8 9 GRADING PLAN 10 DRAINAGE PLAN 11 UTILITY PLAN CIVIL DETAILS 12 13 CIVIL DETAILS AGENCY DETAILS 15 STRIPING PLAN - OMAHA BLVD

SITE LOCATION Omaha Blvd. S VICINITY MAP

PROJECT DATA:

DUTCH BROS COFFEE - C00907 LOCATION: 5810 OMAHA BLVD, COLORADO SPRINGS, CO 80915 APN: 540-630-4025

PROPOSED USE: DRIVE-THRU COFFEE STAND

GROSS PROJECT AREA: 26,869 SF (0.62 ACRES) PARCEL AREA: 26,869 (0.62 ACRES)

ZONING: CR (COMMERCIAL REGIONAL)

FLOOD PLAIN: ZONE "X"

BUILDING AREA: 950 SQ. FT. BUILDING HEIGHT: 24'-0" FIRE SPRINKLERS: NO

- REQUIRED: 1 PER 100 SF OF GROSS FLOOR AREA, 10 SPACES - PROPOSED: 12 SPACES INCLUDING 1 VAN ACCESSIBLE SPACE

PROPOSED GROUND COVER SUMMARY

DUILDINGS (INCLUDES TRACIL ENGLASTIDE).	1 222 CE	(4 691)
BUILDINGS (INCLUDES TRASH ENCLOSURE): PARKING AND MANEUVERING:	1,222 SF 13,269 SF	(4.6%) (49.4%
	·	•
WALKWAYS:	1,352 SF	(5.0%)
LANDSCAPE:	10,529 SF	(39.2%)
EXISTING LANDSCAPING	497 SF	(1.8%)
	26,869 SF	(100.03

GEOTECHNICAL REPORT NOTES

THE FOLLOWING GEOTECHNICAL REPORTS FOR THE SITE SHALL BE CONSIDERED PART OF THESE CONSTRUCTION DOCUMENTS:

> GEOTECHNICAL ENGINEERING STUDY PROPOSED DUTCH BROS COFFEE 5810 OMAHA BLVD, COLORADO SPRINGS, CO PROJECT NO. 21112 DATE: DECEMBER 12, 2023

CMT ENGINEERING LABORATORIES 2796 S REDMOND RD WEST VALLEY CITY, UT 84119

UTILITY CONFLICT NOTE:

- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB, AND PAVING CONSTRUCTION.
- 3. ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR DETERMINATION.
- 4. A REPRESENTATIVE OF THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS CERTIFYING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO HIS/HER SATISFACTION.
- 5. THE SOILS ENGINEER SHOULD BE NOTIFIED AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY SITE

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

SCALE: 1"=30"

09/03/2024

DATE



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.

Timedis	9/3/2024
ENGINEER OF RECORD SIGNATURE	DATE

ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

HORIZONTAL CONTROL NOTE:

CONTRACTOR SHALL HAVE ALL PROPERTY LINES, CURB, SIDEWALK, STRUCTURES, CONCRETE PADS AND ANY OTHER ABOVE GROUND PERMANENT STRUCTURE DEPICTED ON THESE PLANS STAKED FOR CONSTRUCTION BY A LICENSED SURVEYOR. LICENSED SURVEYOR SHALL STAKE ALL ITEMS USING COORDINATE GEOMETRY (RECTIFIED TO SITE CONTROL) CONTAINED IN CAD DRAWING FILES PROVIDED B BARGHAUSEN CONSULTING ENGINEERS, INC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETRIEVE LATEST CAD FILES FROM BARGHAUSEN CONSULTING ENGINEERS INC., REFLECTING ANY ISSUED PLAN REVISIONS. BARGHAUSEN CONSULTING ENGINEERS SHALL IMMEDIATELY BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF

MONUMENT PROTECTION NOTE:

ALL EXISTING SURVEY MONUMENTS ARE TO BE PRESERVED PER COLORADO REVISED STATUES. IT IS THI CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT MONUMENTS ARE PROPERLY PROTECTED AND/OR PERPETUATED, IF ANY OF THE MONUMENTS ARE DISTURBED OR ARE NEAR THE AREA OF CONSTRUCTION. A LICENSED SURVEYOR MUST CONFIRM THAT THE MONUMENTS HAVE BEEN PROTECTED AND/OR PERPETUATED AND THE APPROPRIATE DOCUMENTATION HAS BEEN RECORDED. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM ANY JURISDICTIONS HAVING AUTHORITY FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY. UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR. AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

LEGAL DESCRIPTION:

LOT 2, POWERS PLAZA, EXCEPT THOSE PORTIONS CONVEYED TO THE CITY OF COLORADO SPRINGS IN WARRANTY DEED RECORDED IN BOOK 5259 AT PAGE 1296 AND IN CORRECTION WARRANTY DEED IN BOOK 5474 AT PAGE 196 AND IN WARRANTY DEED RECORDED IN BOOK 5474 AT PAGE 198, COUNTY EL PASO, STATE OF COLORADO.

NON-EXCLUSIVE EASEMENT SET FORTH IN THE COVENANTS FOR OPERATIONS MAINTENANCE AND RECIPROCAL EASEMENTS RECORDED OCTOBER 13, 1982 IN BOOK 3621 AT PAGE 592 AND AMENDED BY INSTRUMENT RECORDED DECEMBER 3, 1985 IN BOOK 5095 AT PAGE 982

BASIS OF BEARING

BEARINGS ARE BASED ON THE EAST LINE OF LOT 2 OF POWERS PLAZA, LOT 2 OF POWERS CENTRE FILING NO.2, AND LOT 2 OF POWERS CENTRE. MONUMENTED ON THE SOUTH END WITH A NAIL AND ILLEGIBLE 1" WASHER. FOUND FLUSH IN CONCRETE CURB, AND ON THE NORTH END WITH A NO. 5 REBAR WITH NO CAP FOUND WITH GRADE, AND IS ASSUMED TO BEAR NO0'28'24"E A MEASURED DISTANCE OF 380.72 FT

FLOOD ZONE:

THE FLOOD ZONE DESIGNATION FOR THE SUBJECT PROPERTY IS ZONE X, ACCORDING TO FLOOD INSURANCE RATE MAP NUMBER 08041C0751G, EFFECTIVE DATE OF DECEMBER 7, 2018. ZONE X IS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

EXISTING TOPOGRAPHY / SURVEY INFORMATION NOTE:

AN A.L.T.A./N.S.P.S. TOPOGRAPHIC AND BOUNDARY SURVEY DATED DECEMBER 2, 2022; PERFORMED BY FORTH LAND SURVEYING, INC., AND HAS BEEN PROVIDED TO BARGHAUSEN CONSULTING ENGINEERS, INC. BARGHAUSEN CONSULTING ENGINEERS, INC. HAS NOT VERIFIED THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN SITE DESIGN HAS BEEN BASED ON ABOVE REFERENCED SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER TO HAVE ALL IMPROVEMENTS FIELD VERIFIED PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF BARGHAUSEN CONSULTING ENGINEERS, INC.

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.



EL PASO COUNTY

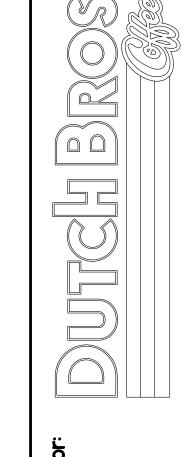
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/ OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/ OR ACCURACY OF THIS DOCUMENT.

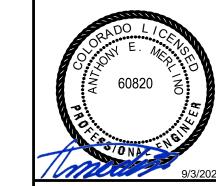
FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL,

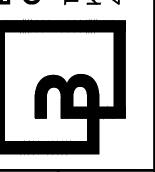
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

JOSHUA PALMER, P.E.	DATE
COUNTY ENGINEER/ECM ADMINSTRATOR	

SH ER CO\ 5810 C RAF







A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO

PCD FILE NO PPR2413

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.

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

- 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 RECONSTRUCTION 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 RE-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 LOOSENED 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
- 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 CMT ENGINEERING LABORATORIES, DATED DECEMBER 12, 2023 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:

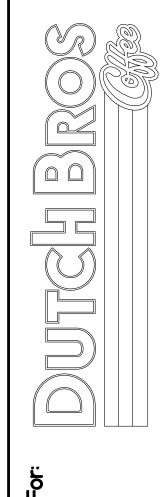
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY CONTROL DIVISION WQCD - PERMITS 4300 CHERRY CREEK DRIVE SOUTH DENVER, CO 80246-1530

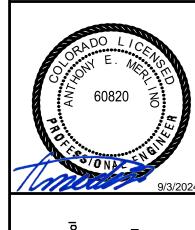
ATTN: PERMITS UNIT

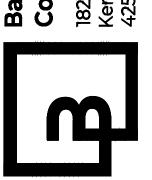
CHEROKEE METRO DISTRICT NOTES

CSU 2023 STANDARDS WITH CHEROKEE METRO DISTRICT ADDITIONS CAN BE FOUND ON CHEROKEEMETRO.ORG

NOT A BL ERAL OMAH SPRIN <u>5</u>88 ₹



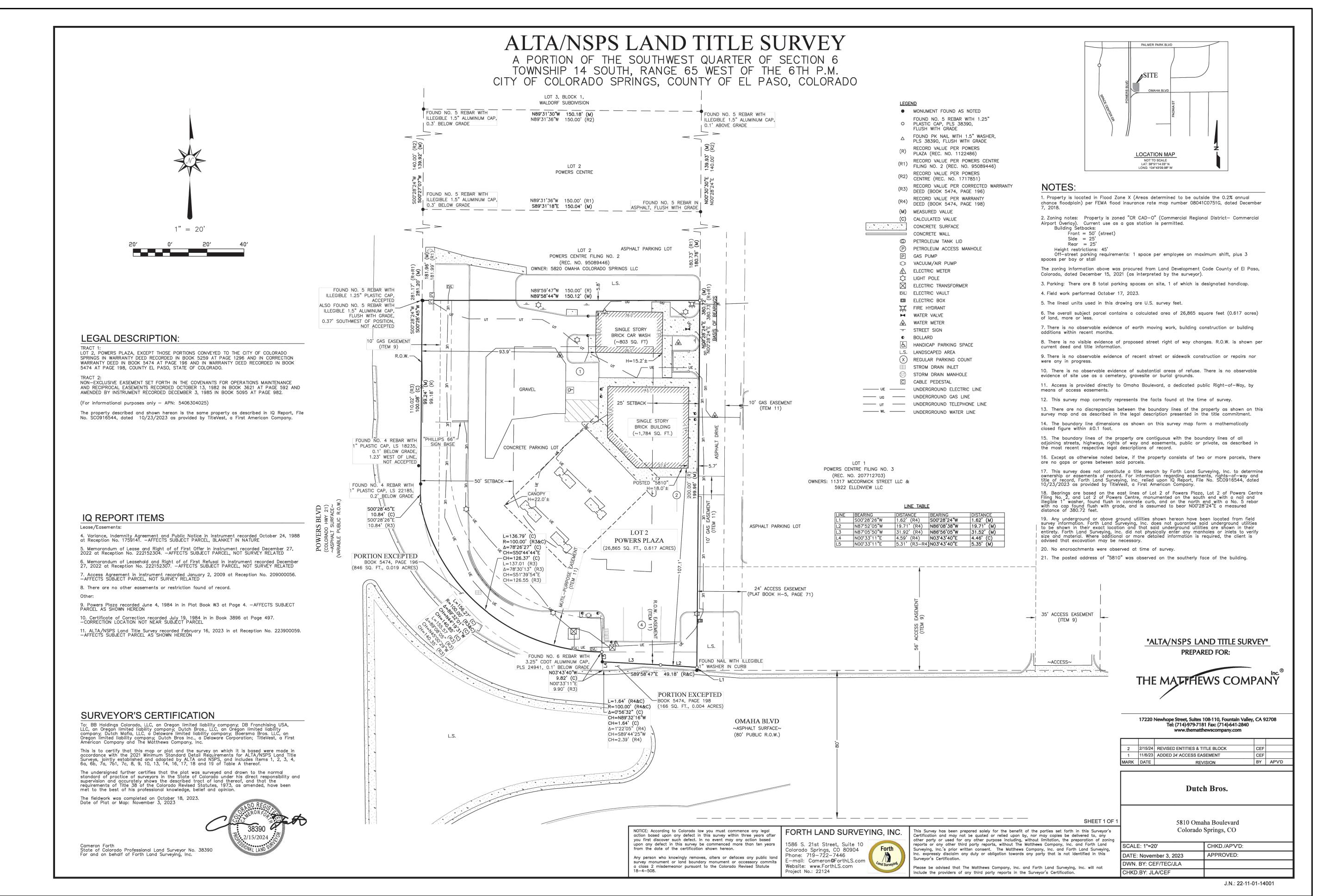




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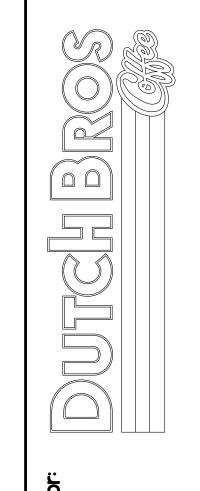
A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO

PCD FILE NO PPR2413



FOR REFERENCE ONLY

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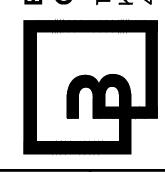
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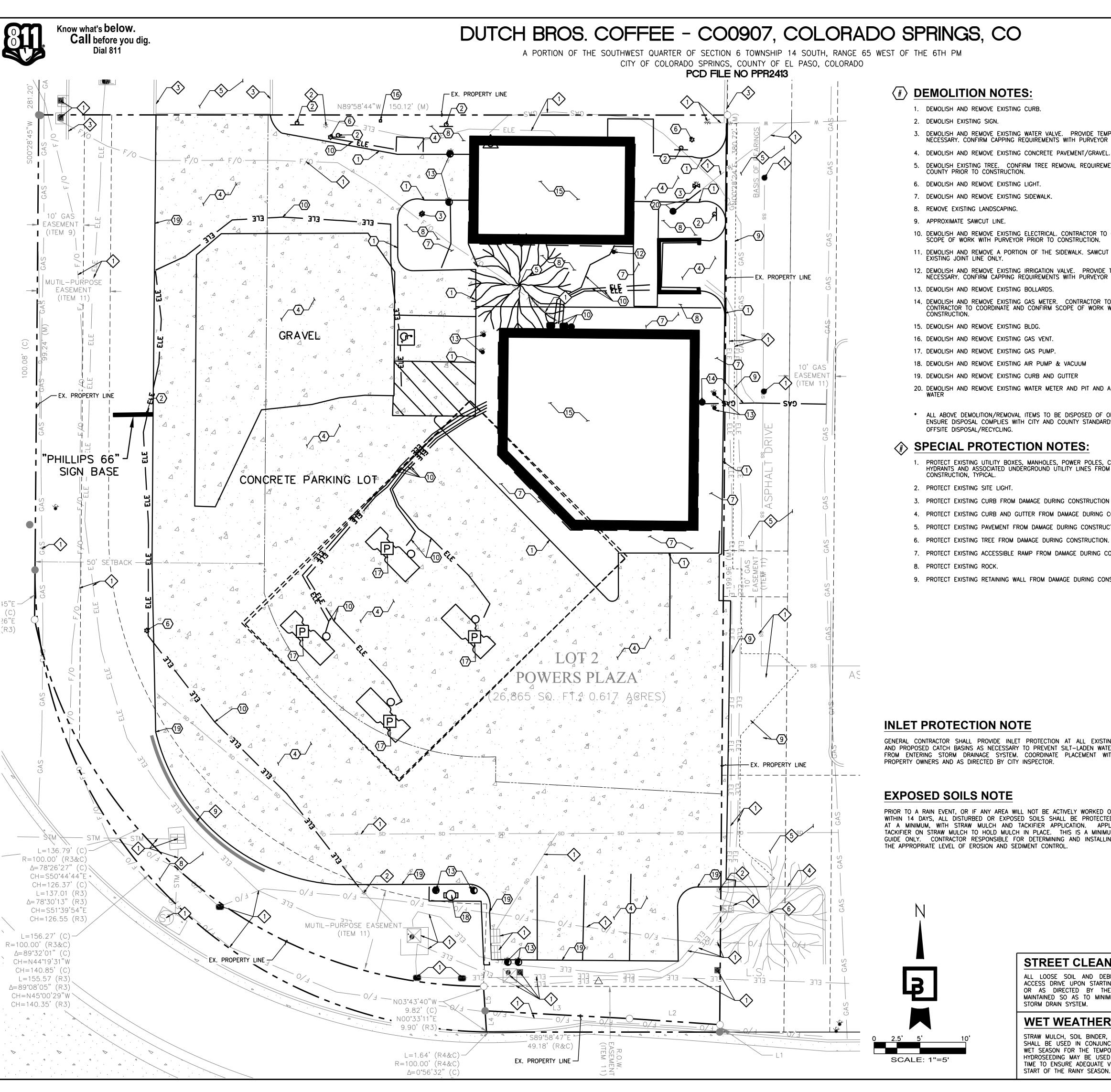
nausen ulting Engineers, Inc. 2nd Avenue South VA 98032 1.622 barghausen.com

Consulting Eng 18215 72nd Avenue Kent, WA 98032 425.251.6222 ba

C



Job Number 23098



DEMOLITION NOTES:

- 1. DEMOLISH AND REMOVE EXISTING CURB.
- 3. DEMOLISH AND REMOVE EXISTING WATER VALVE. PROVIDE TEMPORARY CAP AS NECESSARY. CONFIRM CAPPING REQUIREMENTS WITH PURVEYOR PRIOR CONSTRUCTION.
- 4. DEMOLISH AND REMOVE EXISTING CONCRETE PAVEMENT/GRAVEL.
- 5. DEMOLISH EXISTING TREE. CONFIRM TREE REMOVAL REQUIREMENTS WITH THE EL PASO COUNTY PRIOR TO CONSTRUCTION.
- 6. DEMOLISH AND REMOVE EXISTING LIGHT.
- 7. DEMOLISH AND REMOVE EXISTING SIDEWALK.
- 8. REMOVE EXISTING LANDSCAPING.
- 10. DEMOLISH AND REMOVE EXISTING ELECTRICAL. CONTRACTOR TO COORDINATE AND CONFIRM SCOPE OF WORK WITH PURVEYOR PRIOR TO CONSTRUCTION.
- 11. DEMOLISH AND REMOVE A PORTION OF THE SIDEWALK. SAWCUT AND REMOVE SIDEWALK AT
- 12. DEMOLISH AND REMOVE EXISTING IRRIGATION VALVE. PROVIDE TEMPORARY CAP AS NECESSARY. CONFIRM CAPPING REQUIREMENTS WITH PURVEYOR PRIOR CONSTRUCTION.
- 13. DEMOLISH AND REMOVE EXISTING BOLLARDS.
- 14. DEMOLISH AND REMOVE EXISTING GAS METER. CONTRACTOR TO CAP EXISTING GAS LINE. CONTRACTOR TO COORDINATE AND CONFIRM SCOPE OF WORK WITH PURVEYOR PRIOR TO
- 15. DEMOLISH AND REMOVE EXISTING BLDG.
- 16. DEMOLISH AND REMOVE EXISTING GAS VENT.
- 17. DEMOLISH AND REMOVE EXISTING GAS PUMP.
- 18. DEMOLISH AND REMOVE EXISTING AIR PUMP & VACUUM
- 19. DEMOLISH AND REMOVE EXISTING CURB AND GUTTER
- 20. DEMOLISH AND REMOVE EXISTING WATER METER AND PIT AND A PORTION OF THE EXISTING
- * ALL ABOVE DEMOLITION/REMOVAL ITEMS TO BE DISPOSED OF OFFSITE. CONTRACTOR TO ENSURE DISPOSAL COMPLIES WITH CITY AND COUNTY STANDARDS AND REGULATIONS FOR

SPECIAL PROTECTION NOTES:

- PROTECT EXISTING UTILITY BOXES, MANHOLES, POWER POLES, CLEANOUTS, PEDESTALS, HYDRANTS AND ASSOCIATED UNDERGROUND UTILITY LINES FROM DAMAGE DURING
- 3. PROTECT EXISTING CURB FROM DAMAGE DURING CONSTRUCTION
- PROTECT EXISTING CURB AND GUTTER FROM DAMAGE DURING CONSTRUCTION.
- 5. PROTECT EXISTING PAVEMENT FROM DAMAGE DURING CONSTRUCTION.
- 7. PROTECT EXISTING ACCESSIBLE RAMP FROM DAMAGE DURING CONSTRUCTION.
- 8. PROTECT EXISTING ROCK.
- 9. PROTECT EXISTING RETAINING WALL FROM DAMAGE DURING CONSTRUCTION.

GENERAL CONTRACTOR SHALL PROVIDE INLET PROTECTION AT ALL EXISTING AND PROPOSED CATCH BASINS AS NECESSARY TO PREVENT SILT-LADEN WATER FROM ENTERING STORM DRAINAGE SYSTEM. COORDINATE PLACEMENT WITH PROPERTY OWNERS AND AS DIRECTED BY CITY INSPECTOR.

EXPOSED SOILS NOTE

PRIOR TO A RAIN EVENT, OR IF ANY AREA WILL NOT BE ACTIVELY WORKED ON WITHIN 14 DAYS, ALL DISTURBED OR EXPOSED SOILS SHALL BE PROTECTED, AT A MINIMUM, WITH STRAW MULCH AND TACKIFIER APPLICATION. APPLY TACKIFIER ON STRAW MULCH TO HOLD MULCH IN PLACE. THIS IS A MINIMUM GUIDE ONLY. CONTRACTOR RESPONSIBLE FOR DETERMINING AND INSTALLING THE APPROPRIATE LEVEL OF EROSION AND SEDIMENT CONTROL.

STREET CLEANING NOTE:

ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE ACCESS DRIVE UPON STARTING OPERATIONS AND DAILY THEREAFTER OR AS DIRECTED BY THE INSPECTOR. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.

WET WEATHER NOTE:

STRAW MULCH, SOIL BINDER, OR EROSION CONTROL BLANKETS/MATS SHALL BE USED IN CONJUNCTION WITH HYDROSEEDING DURING THE WET SEASON FOR THE TEMPORARY PROTECTION OF DISTURBED SOIL. HYDROSEEDING MAY BE USED ALONE ONLY IF THERE IS SUFFICIENT TIME TO ENSURE ADEQUATE VEGETATION ESTABLISHMENT BEFORE THE START OF THE RAINY SEASON.

TEMPORARY WORK EASEMENT NOTE:

CONTRACTOR TO OBTAIN TEMPORARY WORK EASEMENT DOCUMENTATION AND COORDINATE WITH ADJACENT PROPERTY OWNER, PRIOR TO COMMENCING ANY OFF-SITE CONSTRUCTION ACTIVITIES.

UTILITY PROTECTION NOTE:

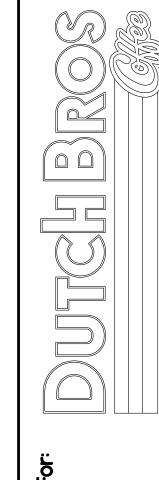
APPROXIMATE LOCATION OF EXISTING GAS SERVICE IS SHOWN ON THESE PLANS. CONTRACTOR TO COORDINATE WITH PURVEYOR AND USE EXTREME CAUTION WHEN EXCAVATING ON-SITE, UNTIL EXISTING GAS AND POWER SERVICE LOCATIONS ARE CONFIRMED. CONTRACTOR TO ORDER INDEPENDENT UTILITY LOCATES (INCLUDING GAS AND POWER) FOR THE FULL SCOPE OF WORK PRIOR TO CONSTRUCTION OR ANY GROUND DISTURBING ACTIVITIES.

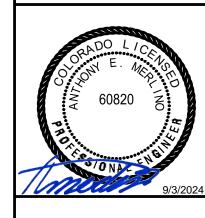
UTILITY COORDINATION NOTE:

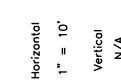
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES PRIOR TO PERFORMING ANY DEMOLITION ACTIVITIES TO ENSURE PROPER PROTECTION AND DISCONNECTION PROCEDURES ARE IN PLACE

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION PLANTS AND PROPERTY OF THE PROP









A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO

PCD FILE NO PPR2413

EROSION CONTROL NOTES:

- INSTALL TEMPORARY STABILIZED CONSTRUCTION ENTRANCE PER DETAIL VT-2 ON SHEET 6; ADJUST AS NECESSARY DURING CONSTRUCTION.
- 2. INSTALL TEMPORARY SILT FENCE PER DETAIL SF-2 ON SHEET 6. INSTALL AROUND PERIMETER OF SITE IMPROVEMENTS AS REQUIRED TO PREVENT SILT-LADEN RUNOFF FROM LEAVING SITE, AND AS DIRECTED BY AGENCY
- 3. APPROXIMATE LOCATION OF CONTRACTOR STAGING AREA THAT IS TO BE USED FOR MATERIAL/EQUIPMENT STORAGE, VEHICLE AND EQUIPMENT FUELING/MAINTENANCE, AND TEMPORARY SANITARY FACILITIES.
- CONTRACTOR TO INSTALL CONCRETE WASHOUT PER EL PASO COUNTY DETAIL 3-84 ON SHEET 6 ADJUST AS NECESSARY DURING CONSTRUCTION.
- INSTALL TEMPORARY CONSTRUCTION FENCE (6' HIGH CHAIN LINK, MINIMUM) AROUND PERIMETER OF CONSTRUCTION SITE WITH GATE PER NOTE #6. CONTRACTOR SHALL FIELD LOCATE AND ADJUST AS NECESSARY AS CONSTRUCTION PROGRESSES.
- 6. INSTALL TEMPORARY SITE ACCESS GATE (6' HIGH-CHAIN LINK WITH LOCKING DEVICE) AND FENCE AT TEMPORARY CONSTRUCTION ENTRANCES. FIELD VERIFY AND CONFIRM EXACT LOCATION WITH ARCHITECT/OWNER.
- 7. INSTALL TEMPORARY INLET PROTECTION PER IP-3 ON SHEET 6; TYP.
- 8. INSTALL DURAWATTLE TO PREVENT SILT-LADEN RUNOFF FROM LEAVING SITE; INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- 9. PROTECT FROM DAMAGE DURING CONSTRUCTION. REFER TO DEMOLITION

HYDROSEED MIX NOTES

IF THE GROUND IS DISTURBED, IT SHOULD BE MULCHED OR REVEGETATED WITHIN 45 DAYS OF

HYDROSEED MIX:

SCALE: 1"=20'

FORMULATED SPECIFICALLY FOR PIKES PEAK FRONT RANGE. IT IS DROUGHT TOLERANT AND INCLUDES ABOUT 20% EACH OF BIG BLUESTEM NATIVE AND WHEATGRASS. WESTERN NATIVE. AND ABOUT 10% EACH OF GRAMA, SIDEOATS NATIVE, GREEN NEEDLEGRASS NATIVE, LITTLE BLUESTEM NATIVE, PRAIRIE SANDREED NATIVE, SWITCHGRASS NATIVE, AND YELLOW INDIANGRASS

EL PASO LOW GROW GRASS SEED MIX
GREAT DROUGHT TOLERANT AND LOW-GRASS SEED MIX DESIGNED FOR THE PIKES PEAK FRONT RANGE. IT INCLUDES ABOUT 24% WESTERN WHEATGRASS, ABOUT 20% BLUE GRAMA, NATIVE ABOUT 18% BUFFALOGRASS, ABOUT 13% SIDEOATS GRAMA, ABOUT 6% GREEN NEEDLEGRASS, AND ABOUT 1.5% SAN DROPSEED.

BASINS ON PRIVATE PROPERTY.

- TRACKOUT OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY FROM CONSTRUCTION VEHICLES.
- 3. CONTRACTOR SHALL ENSURE THAT CONSTRUCTION OR DEMOLITION ACTIVITIES DO NOT DEPOSIT SEDIMENT ONTO
- CONSTRUCTION OR DEMOLITION-RELATED SEDIMENT FROM PUBLIC SIDEWALKS, GUTTERS AND ROADWAY.
- 5. CONTRACTOR SHALL INSTALL A CITY-APPROVED WASTE MANAGEMENT WASH-OUT STRUCTURE AT THE PROJECT SITE. ALL CONCRETE, PAINT, STUCCO AND OTHER LIQUIDS WILL BE WASHED OUT IN THIS STRUCTURE.
- 7. CONTRACTOR SHALL PROVIDE DUST CONTROL TO PREVENT TO PREVENT THE NUISANCE OF BLOWING DUST
- 8. CONTRACTOR SHALL INSTALL ANY OTHER BMPs AS NECESSARY TO CONTROL THE DISCHARGE OF POLLUTANTS FROM THE PROJECT SITE.

- 1. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT NUMBER OF WATER TRUCKS AT THE SITE
- THE CONTRACTOR SHALL CONDUCT ALL OPERATIONS SO THAT EXCAVATION, EMBANKMENT, AND IMPORTED MATERIAL IS SPRINKLED WITH WATER DURING GRADING OPERATIONS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DUST CONTROL DURING CONSTRUCTION AND SHALL FOLLOW THE CONSTRUCTION METHODS ESTABLISHED BY EL PASO COUNTY
- . TEMPORARY GROUND COVER SHALL BE PLANTED OR A FILL TACKIFIER SPREAD OVER EXPOSED AREAS NOT BEING WORKED ON FOR 14 DAYS.
- 2. TEMPORARY EROSION CONTROLS SHOULD NOT BE REMOVED BEFORE PERMANENT EROSION CONTROLS ARE IN-PLACE AND ESTABLISHED.
- BEFORE ANY SAFETY MOVING OPERATIONS ARE INITIATED.
- 4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE CHECKED AND UPDATED, AS NEEDED, AT THE END OF EACH WORK WEEK AND IMMEDIATELY FOLLOWING EACH RAIN

EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE EL PASO COUNTY DRAINAGE CRITERIA MANUAL AND CITY OF COLORADO SPRINGS STORMWATER QUALITY STANDARDS AND SPECIFICATIONS.
- 2. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSTALLED AND MAINTAINED YEAR-ROUND THROUGHOUT THE DURATION OF THE PROJECT
- 3. ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED PER INLET PROTECTION DETAIL IP-3 WITH SEDIMENT CONTROL AND INLET FILTER BAGS YEAR ROUND.

INLET FILTER BAGS SHALL BE REMOVED FROM THE DRAINAGE INLETS UPON COMPLETION OF CONSTRUCTION.

- 4. ALL STABILIZED CONSTRUCTION ACCESS LOCATIONS SHALL BE CONSTRUCTED PER DETAIL VT-2 TEMPORARY CONSTRUCTION ENTRANCE, WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES PAVED AREAS. THE STABILIZED ACCESS SHALL BE MAINTAINED ON A YEAR ROUND BASIS UNTIL THE COMPLETION OF CONSTRUCTION.
- 5. ALL AREAS DISTURBED DURING CONSTRUCTION BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION YEAR ROUND DURING THE DURATION OF THE PROJECT. HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION METHOD. REFER TO HYDROSEED MIX NOTE ON THIS SHEET
- SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BMPs SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
- 7. SEDIMENT CONTROL BMPs SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMPs SHALL BE MAINTAINED YEAR ROUND UNTIL THE CONSTRUCTION IS COMPLETED OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
- 8. EFFECTIVE EROSION CONTROL BMPs SHALL BE IN PLACE PRIOR TO ANY STORM EVENTS.
- 9. CONTRACTOR SHALL INSTALL AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENTATION CONTROL BMPs.

STORMWATER QUALITY CONTROL NOTES

- 1. CONTRACTOR SHALL PROVIDE STORM DRAIN INLET PROTECTION (GRAVEL BAGS AND FILTER FABRIC OR PROPRIETARY TEMPORARY GEOTEXTILE INSERTS) FOR ALL CATCH BASINS LOCATED IN THE VICINITY OF THE WORK. THIS PROTECTION INCLUDES ANY CATCH BASINS IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY ON-SITE CATCH
- 2. CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/EGRESS FROM PROJECT SITE TO PREVENT
- THE PUBLIC ROADWAY, SIDEWALKS OR GUTTERS. ALL SEDIMENT AND CONSTRUCTION DEBRIS MUST BE REMOVED BY
- 4. CONTRACTOR SHALL USE STREET SWEEPING OR OTHER DRY SWEEPING METHOD, AS NECESSARY, TO REMOVE
- 6. CONTRACTOR SHALL SCHEDULE WORK FOR DRY-WEATHER DAYS WHEN NO RAIN IS IN THE IMMEDIATE FORECAST.
- WITHOUT CAUSING SEDIMENT, DEBRIS OR LITTER TO ENTER THE CITY STORM DRAIN SYSTEM.

TEMPORARY DUST CONTROL MEASURES NOTES

BMP MAINTENANCE NOTES

INLET PROTECTION NOTE

CITY INSPECTOR. SEE DETAIL IP-3/SHT 6.

EXPOSED SOILS NOTE

GENERAL CONTRACTOR SHALL PROVIDE INLET PROTECTION AT ALL EXISTING AND PROPOSED

DRAINAGE SYSTEM. COORDINATE PLACEMENT WITH PROPERTY OWNERS AND AS DIRECTED BY

PRIOR TO A RAIN EVENT, OR IF ANY AREA WILL NOT BE ACTIVELY WORKED ON

WITHIN 14 DAYS. ALL DISTURBED OR EXPOSED SOILS SHALL BE PROTECTED.

AT A MINIMUM. WITH STRAW MULCH AND TACKIFIER APPLICATION. APPLY

TACKIFIER ON STRAW MULCH TO HOLD MULCH IN PLACE. THIS IS A MINIMUM

GUIDE ONLY. CONTRACTOR RESPONSIBLE FOR DETERMINING AND INSTALLING

THE APPROPRIATE LEVEL OF EROSION AND SEDIMENT CONTROL.

CATCH BASINS AS NECESSARY TO PREVENT SILT-LADEN WATER FROM ENTERING STORM

- 3. ALL MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE

TEMPORARY WORK EASEMENT NOTE:

CONTRACTOR TO OBTAIN TEMPORARY WORK EASEMENT DOCUMENTATION AND COORDINATE WITH ADJACENT PROPERTY OWNER, PRIOR TO COMMENCING ANY OFF-SITE CONSTRUCTION ACTIVITIES.

APPROXIMATE LOCATION OF EXISTING GAS SERVICE IS SHOWN ON THESE PLANS. CONTRACTOR TO COORDINATE WITH PURVEYOR AND USE EXTREME CAUTION WHEN EXCAVATING ON-SITE, UNTIL EXISTING GAS AND POWER SERVICE LOCATIONS ARE CONFIRMED. CONTRACTOR TO ORDER INDEPENDENT UTILITY LOCATES (INCLUDING GAS AND POWER) FOR THE FULL SCOPE OF WORK PRIOR TO CONSTRUCTION OR ANY GROUND DISTURBING ACTIVITIES.

UTILITY COORDINATION NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES PRIOR TO PERFORMING ANY DEMOLITION ACTIVITIES TO ENSURE

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR,

UTILITY PROTECTION NOTE:

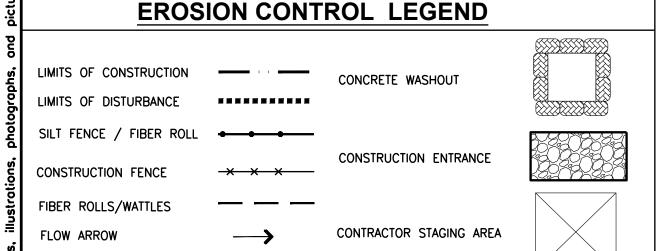
PROPER PROTECTION AND DISCONNECTION PROCEDURES ARE IN PLACE

THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION PROBLEMS.





5



INLET PROTECTION





10' GAS

EASEMENT

(ITEM 9)

EASEMENT

(ITEM 11)

EX. PROPERTY LINE —

(9)

- DIRECTION OF SURFACE DRAINAGE, TYP

POWERS PLAZA

(26,865 SQ. FT., 0.617 ACRES)

49.18' (R&C)

- EX. PROPERTY LINE

4

`MUTIL—PURPOSE EASEMENT

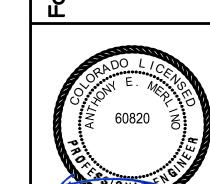
(ITEM 11)

NO

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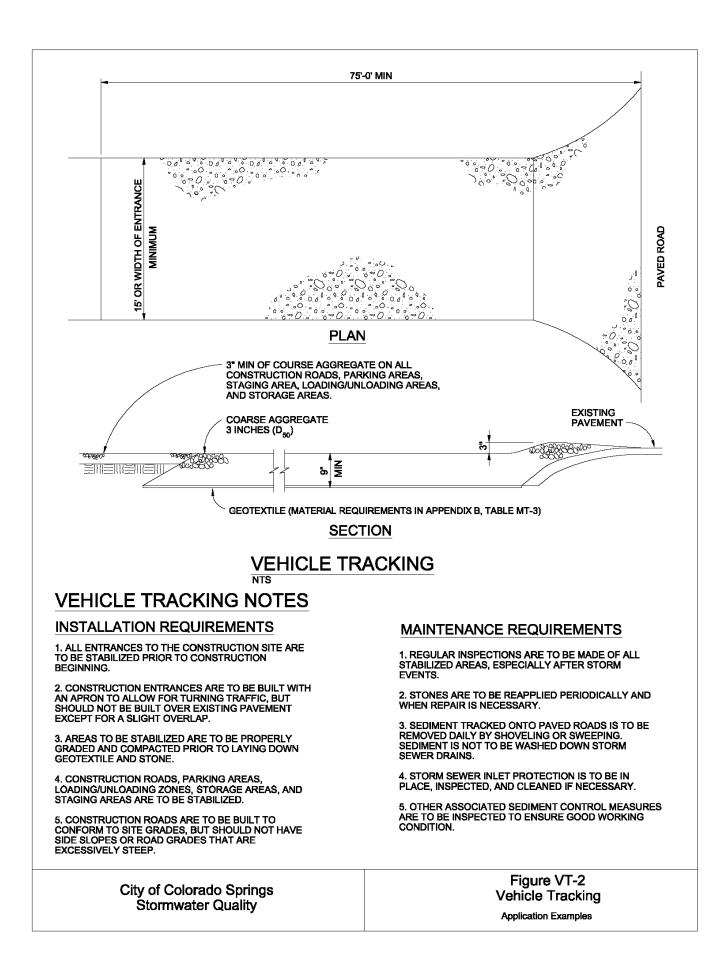
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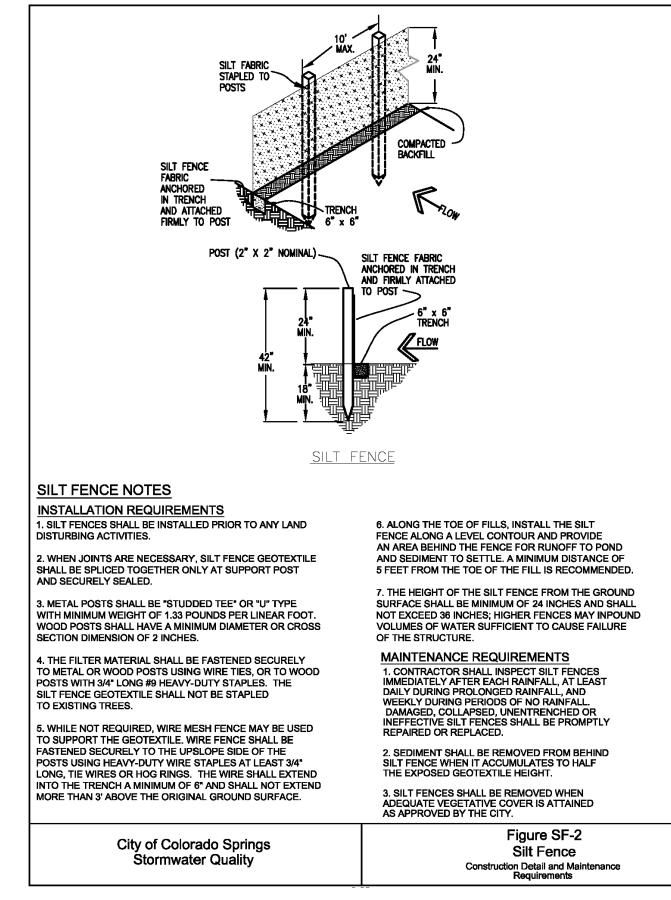


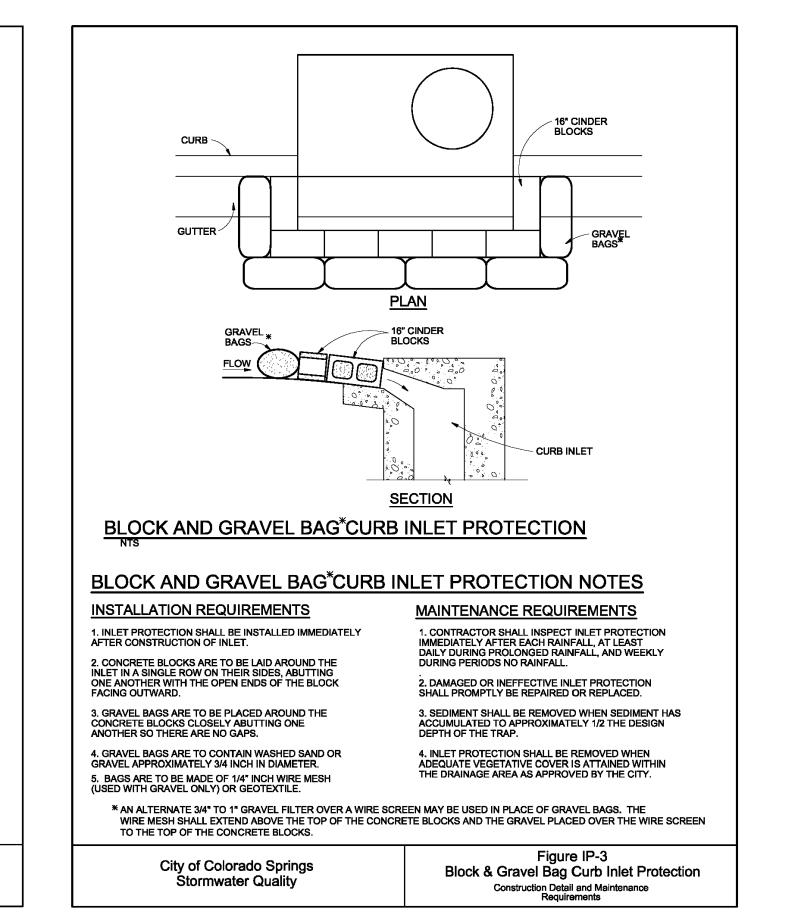


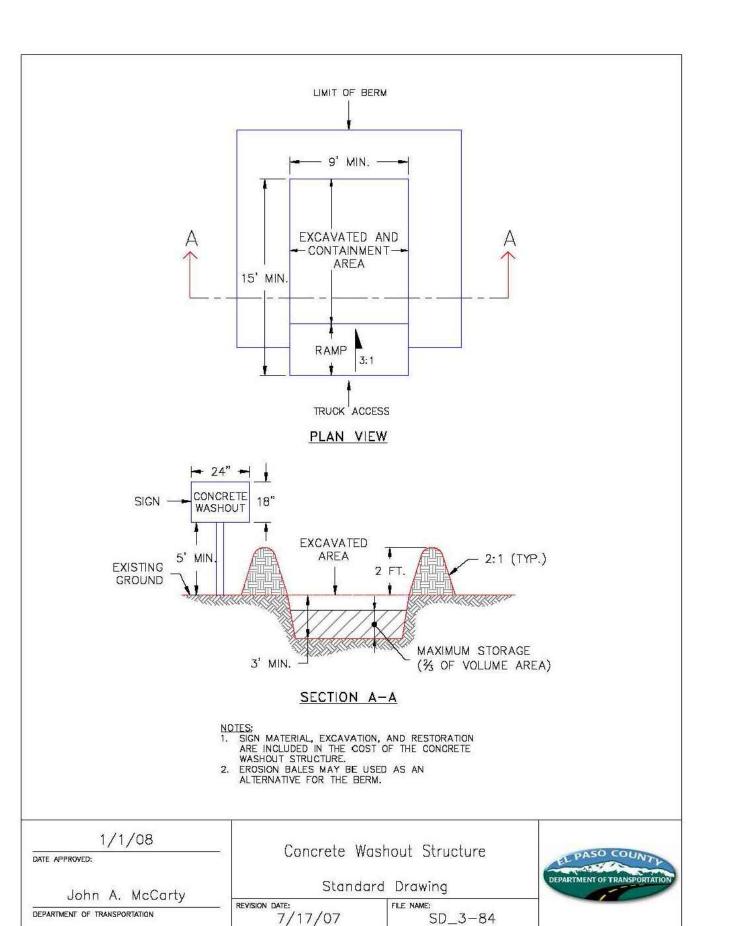
A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO

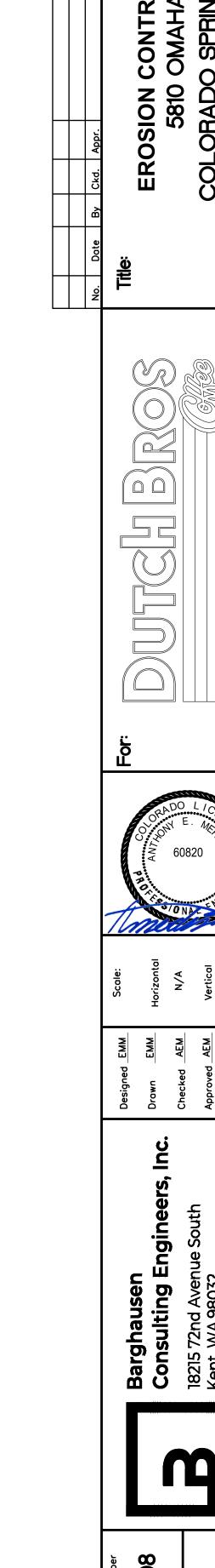
PCD FILE NO PPR2413





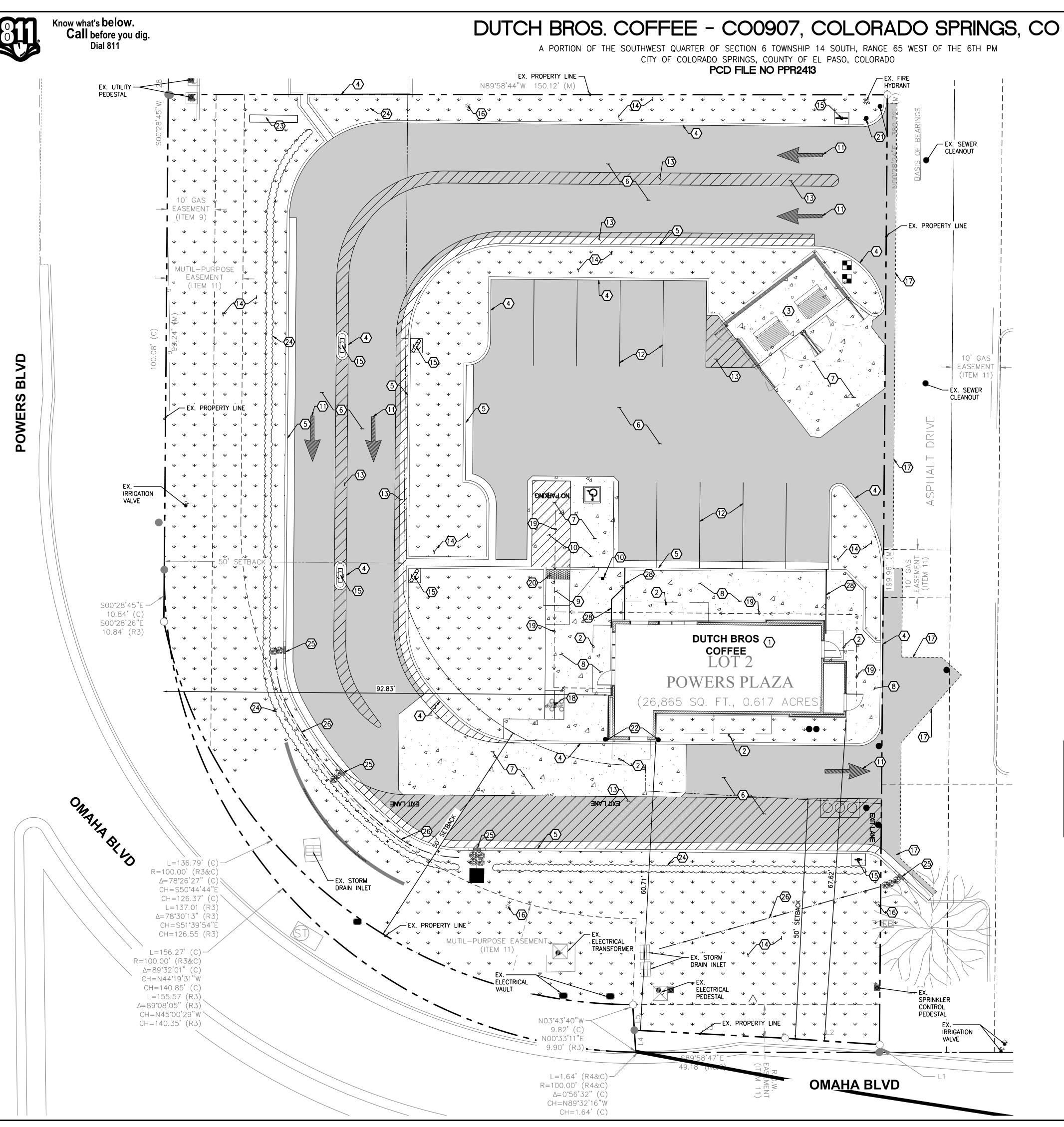






DET

9



(#) CONSTRUCTION NOTES:

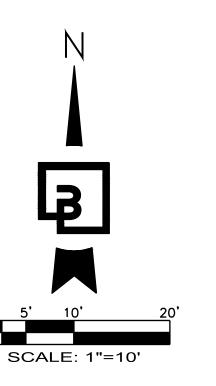
- 1. LOCATION OF DUTCH BROS COFFEE. SEE ARCHITECTURAL PLANS FOR
- 2. LOCATION OF BUILDING CANOPY. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 3. LOCATION OF TRASH ENCLOSURE WITH CONCRETE PAD. SEE ARCHITECTURAL PLANS AND STRUCTURAL PLANS FOR DETAILS.
- 4. CONSTRUCT CONCRETE BARRIER CURB PER DETAIL 5/SHT 12
- 5. CONSTRUCT CURB AND GUTTER PER DETAIL 6/SHT 12
- 6. CONSTRUCT ASPHALT PAVEMENT PER DETAIL 1/SHT 12
- 7. CONSTRUCT ON-SITE CONCRETE PAVEMENT PER DETAIL 2/SHT 12 8. CONSTRUCT ON-SITE CONCRETE SIDEWALK PER DETAIL 3/SHT 12. ALL
- JOINTS PER DETAIL 4/SHT 12
- 9. CONSTRUCT ACCESSIBLE RAMP PER EL PASO COUNTY PEDESTRIAN RAMP DETAIL SD 2-41 ON SHEET 14 10. CONSTRUCT ACCESSIBLE PARKING STALL AND AISLE WITH ALL REQUIRED
- SIGNAGE PER DETAIL 10/SHT 12. REFER TO DETAIL 8/SHT 12 FOR INTERNATIONAL SYMBOL OF ACCESSIBILITY. REFER TO DETAIL 9/SHT 12
- 11. PAINT DIRECTIONAL PAVEMENT MARKINGS, TYPICAL PER DETAIL 7/SHT 12. ALL STRIPING TO CONFORM WITH EL PASO COUNTY REQUIREMENTS AND
- 12. PAINT 4" WIDE WHITE REFLECTIVE PAINT PARKING STALL STRIPES, TYPICAL. CONFORM WITH EL PASO COUNTY REQUIREMENTS AND SPECIFICATIONS.
- 13. PAINT 4" WIDE REFLECTIVE PAINT 45 DEGREE STRIPING AT 3' MAX ON CENTER; ALL STRIPING TO CONFORM TO EL PASO COUNTY REQUIREMENTS
- 14. LANDSCAPE AREA, TYPICAL. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- 15. INSTALL SIGN. INSTALL WITH CONCRETE PAD IF IN LANDSCAPE AREA. REFER TO SIGN PLANS FOR EXACT PLACEMENT, DIMENSIONS, AND FOR ADDITIONAL INFORMATION.
- 16. EXISTING SITE LIGHTING. REFER TO ARCHITECTURAL/ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 17. APPROXIMATE SAWCUT LIMITS.
- 18. INSTALL SHORT-TERM BICYCLE PARKING RACK; "MADRAX" 'ORION' CIRCULAR BIKE RACK WITH 2-BIKE CAPACITY SURFACE MOUNT, WITH 3" DEEP ANCHORS. COORDINATE COLOR WITH OWNER AND ARCHITECT PRIOR
- 19. ADA ACCESSIBLE PATH. SEE ACCESSIBLE PATH NOTE ON THIS SHEET.
- 20. INSTALL DETECTABLE WARNING STRIP PER EL PASO COUNTY DETAIL SD 2-42 ON SHEET 14.
- 21. INSTALL GUARD POST/BOLLARD PER DETAIL 4/SHT 12
- 22. INSTALL BOLLARDS IN CURB. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 23. INSTALL MONUMENT SIGN. REFER TO SIGN PLANS FOR EXACT PLACEMENT, DIMENSIONS, AND FOR ADDITIONAL INFORMATION.
- 24. LANDSCAPE HEDGE, 3 FT HIGH. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- 25. INSTALL CURB CUT PER DETAIL 12/SHT 12

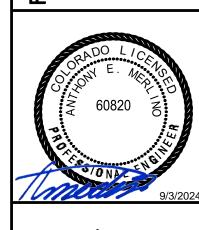
ADDITIONAL INFORMATION.

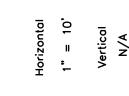
- 26. CONSTRUCT GRADED SWALE. SEE GRADING PLAN SHT 9 FOR ADDITIONAL
- 27. CONSTRUCT PAVEMENT SWALE. SEE GRADING PLAN SHT 9 FOR
- 28. INSTALL SIDEWALK UNDERDRAIN PER DETAIL 2/SHT 12. SEE DRAINAGE PLAN SHT 10 FOR ADDITIONAL INFORMATION.

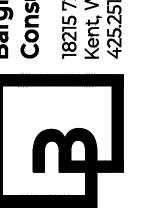
ACCESSIBLE SITE REQUIREMENTS:

WALKING SURFACES SHALL BE CONTINUOUSLY ACCESSIBLE. ALL WALKWAYS MUST BE A MINIMUM 48" IN WIDTH, HAVE A MAXIMUM 1.5% CROSS SLOPE, AND SHALL HAVE RAMPS COMPLYING WITH ACCESSIBILITY STANDARDS (SECTION 11B-405) WHERE NECESSARY TO CHANGE ELEVATION AT A LONGITUDINAL SLOPE EXCEEDING 5% (1:20). CURB RAMPS WHERE PROVIDED SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS (SECTION 11B-406) AND BE PROVIDED WITH A CONTINUOUS 36" WIDE DETECTABLE WARNING STRIP MEETING ACCESSIBILITY REQUIREMENTS (SECTION 11B-705) SHALL BE PLACED WHERE A WALK CROSSES OR ADJOINS A VEHICULAR WAY AND IS NOT SEPARATED BY A CURB, RAILING, OR OTHER ELEMENT MEETING ACCESSIBILITY STANDARDS.

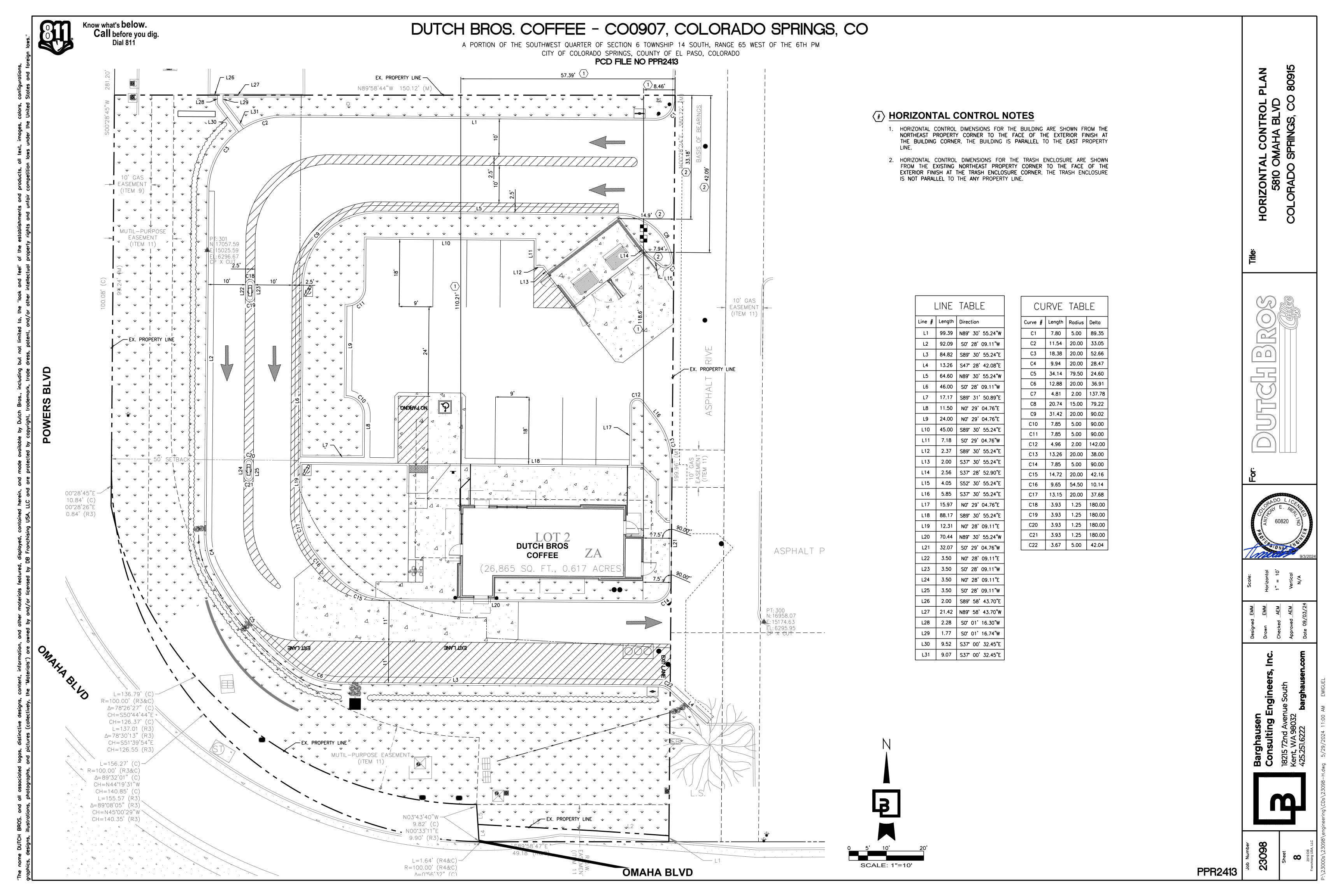


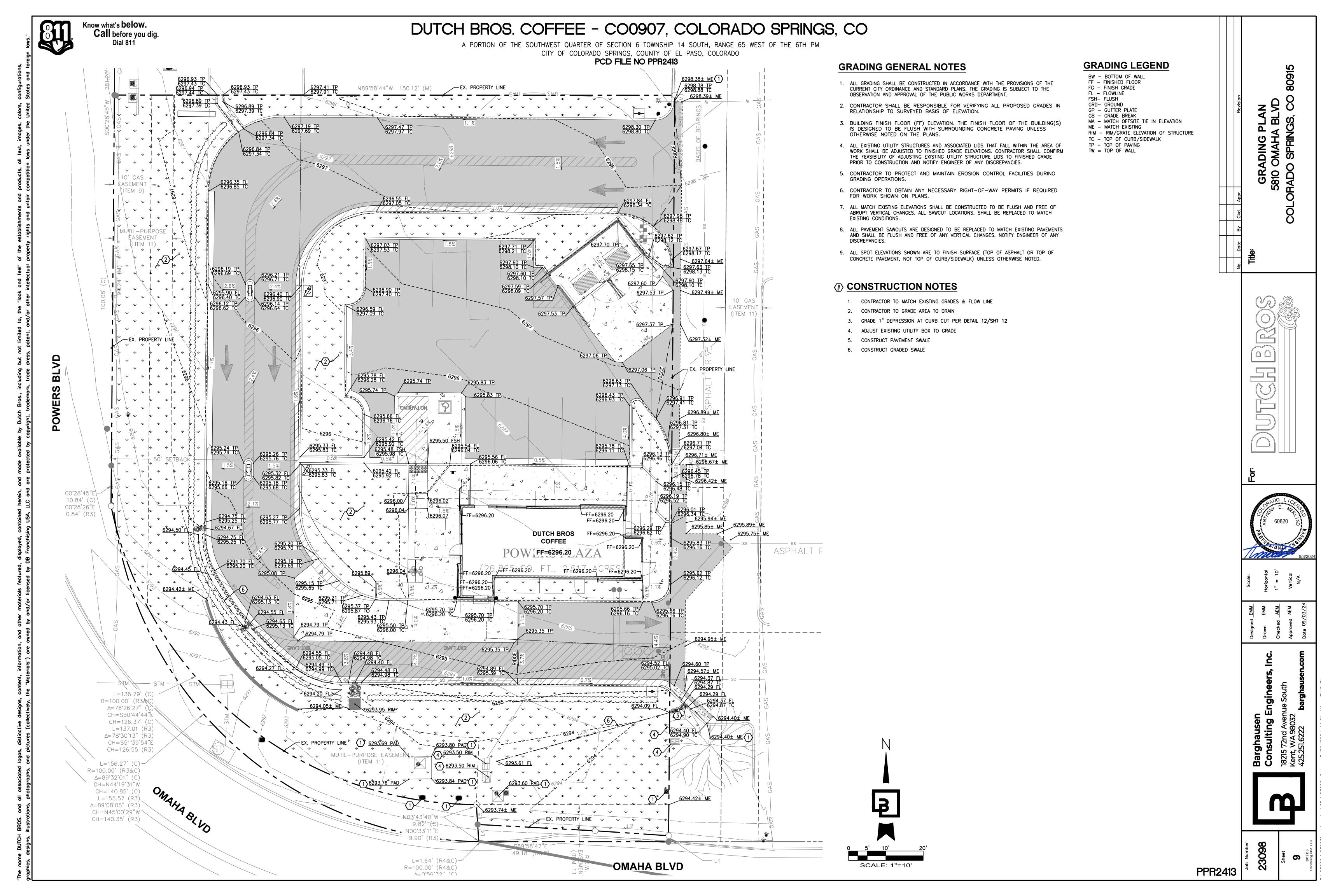


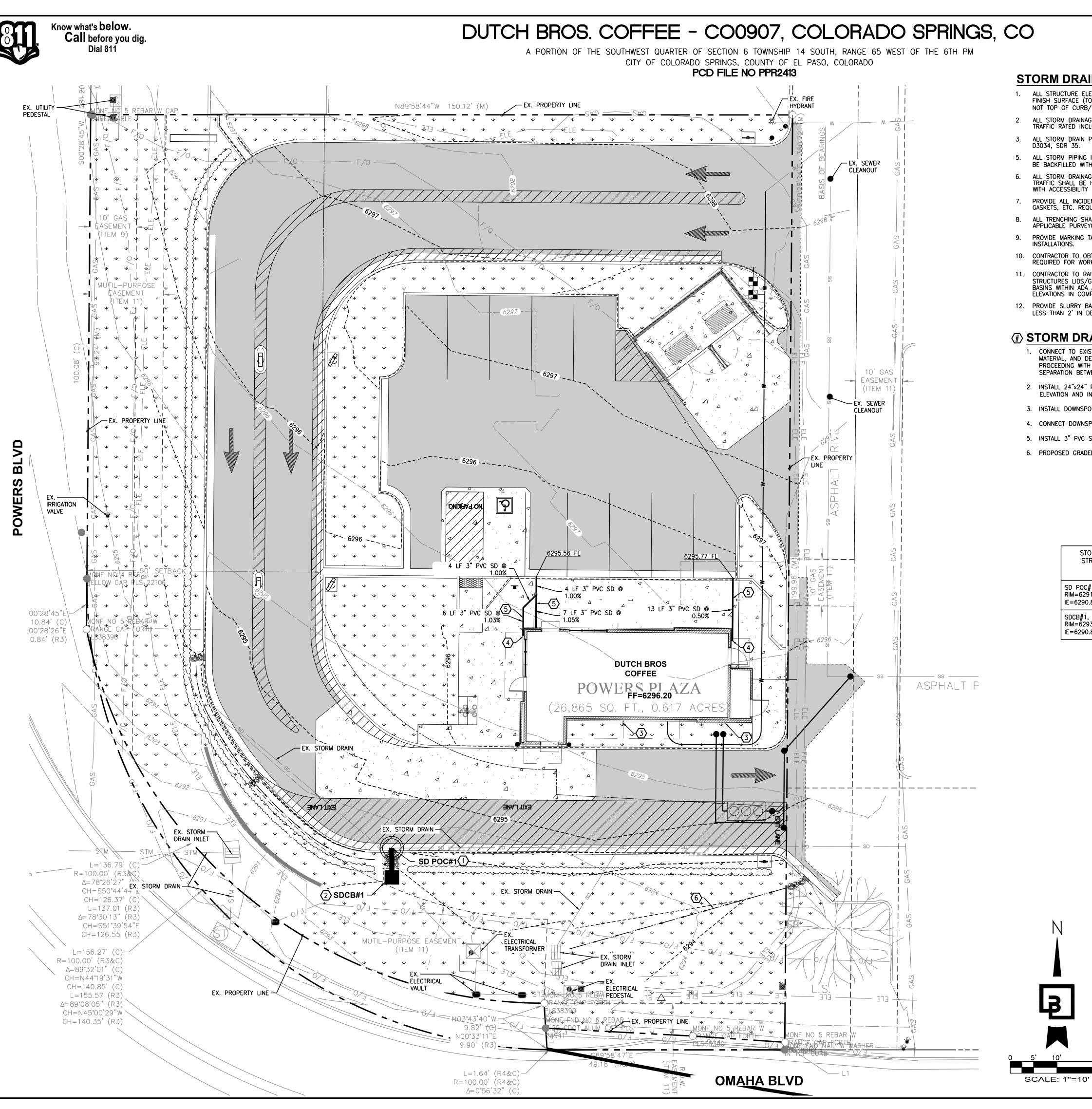




PPR2413







STORM DRAIN GENERAL NOTES:

- ALL STRUCTURE ELEVATIONS SHOWN ARE TO CENTER OF STRUCTURE AT FINISH SURFACE (TOP OF ASPHALT OR TOP OF CONCRETE PAVEMENT, NOT TOP OF CURB/SIDEWALK) UNLESS OTHERWISE NOTED.
- ALL STORM DRAINAGE STRUCTURES EXPOSED TO TRAFFIC SHALL BE TRAFFIC RATED INCLUDING STRUCTURE, LID, ETC.
- ALL STORM DRAIN PIPING DENOTED AS 'PVC' SHALL CONFORM TO ASTM
- ALL STORM PIPING INSTALLED WITH LESS THAN 2 FEET OF COVER SHALL BE BACKFILLED WITH A CONTROLLED DENSITY FILL (SLURRY).
- ALL STORM DRAINAGE STRUCTURES WITH LIDS EXPOSED TO PEDESTRIAN TRAFFIC SHALL BE HEEL PROOF AND SLIP RESISTANT IN ACCORDANCE WITH ACCESSIBILITY REQUIREMENTS.
- PROVIDE ALL INCIDENTAL FITTINGS, BENDS, WYES, TEES, COUPLINGS, GASKETS, ETC. REQUIRED TO CONSTRUCT THE INFRASTRUCTURE DEPICTED.
- ALL TRENCHING SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE PURVEYOR OR AGENCY SPECIFICATIONS.
- PROVIDE MARKING TAPE AND LOCATE WIRE WITH ALL TRENCH
- 10. CONTRACTOR TO OBTAIN ANY NECESSARY RIGHT-OF-WAY PERMITS IF REQUIRED FOR WORK SHOWN ON PLANS.
- 11. CONTRACTOR TO RAISE AND ADJUST ALL EXISTING AND PROPOSED UTILITY STRUCTURES LIDS/GRATES TO FINAL GRADE AS NECESSARY. CATCH BASINS WITHIN ADA ACCESSIBLE PATHS SHALL BE ADJUSTED TO FINAL ELEVATIONS IN COMPLIANCE WITH CURRENT ADA REQUIREMENTS.
- 12. PROVIDE SLURRY BACKFILL OVER ANY UTILITY WHERE PROVIDED COVER IS LESS THAN 2' IN DEPTH.

STORM DRAIN CONSTRUCTION NOTES:

- 1. CONNECT TO EXISTING STORM DRAIN. POTHOLE AND VERIFY LOCATION, PIPE DIAMETER, PIPE MATERIAL, AND DEPTH PRIOR TO CONSTRUCTION, REPORT RESULTS TO ENGINEER PRIOR TO PROCEEDING WITH ORDERING MATERIALS. CONTRACTOR TO MAINTAIN MINIMUM VERTICAL SEPARATION BETWEEN UTILITIES AS REQUIRED BY JURISDICTION HAVING AUTHORITY.
- 2. INSTALL 24"x24" PRECAST CATCH BASIN WITH GRATED LID PER DETAIL 1/SHT 13. RIM ELEVATION AND INVERTS AS NOTED IN THE STRUCTURE TABLE.
- 3. INSTALL DOWNSPOUT WITH SPLASH BLOCK PER DETAIL 3/SHT 13
- 4. CONNECT DOWNSPOUT TO 3" PVC SIDEWALK UNDERDRAIN.
- 5. INSTALL 3" PVC SIDEWALK UNDERDRAIN PER DETAIL 2/SHT 13. MINIMUM SLOPE OF 0.5%.
- 6. PROPOSED GRADED SWALE. SEE GRADING PLAN SHT 9 FOR ADDITIONAL INFORMATION.

STORM DRAIN STRUCTURES SD POC#1, RIM=6291.94 IE=6290.83 (12" S) SDCB#1, W/ GRATED LID RIM=6293.95 | IE=6290.89 (12" N)

(III) UTILITY CROSSING NOTE:

CONTRACTOR SHALL MAINTAIN MINIMUM VERTICAL SEPARATION BETWEEN UTILITIES AS REQUIRED BY JURISDICTION HAVING AUTHORITY. CONTRACTOR TO VERIFY SEPARATION REQUIREMENTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

UTILITY POTHOLING NOTE:

THE CIRCLED LOCATIONS ARE REQUIRED TO BE POTHOLED TO VERIFY VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITY AND/OR POTENTIAL CONFLICTS WITH EXISTING UTILITIES. POTHOLING SHALL BE PERFORMED PRIOR TO INSTALLING ANY PROPOSED UTILITIES. CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. OF ANY CONFLICTS.

UTILITY PROTECTION NOTE:

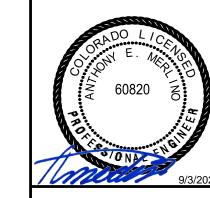
APPROXIMATE LOCATION OF EXISTING GAS SERVICE IS SHOWN ON THESE PLANS. CONTRACTOR SHALL COORDINATE WITH PURVEYOR AND USE EXTREME CAUTION WHEN EXCAVATING ON-SITE UNTIL EXISTING GAS SERVICE LOCATION HAS BEEN CONFIRMED. CONTRACTOR SHALL HAVE ALL GAS AND POWER SERVICES LOCATED PRIOR TO CONSTRUCTION.

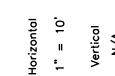
UTILITY COORDINATION NOTE:

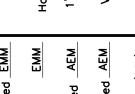
ALL POWER, AND DATA/COMMUNICATIONS/TELEPHONE CONNECTIONS AND SERVICES COORDINATION IS ON GOING. WE ARE CURRENTLY WORKING WITH ALL APPLICABLE AGENCIES TO COORDINATE POINTS OF CONNECTIONS AND ROUTING. ONSITE UTILITY LAYOUT MAY SHIFT AND OR BE RELOCATED ACCORDINGLY DURING COORDINATION.

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

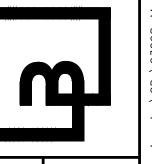






Barghauser Consulting





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GENERAL UTILITY NOTES:

- 1. ALL STRUCTURE ELEVATIONS SHOWN ARE TO CENTER OF STRUCTURE AT FINISH SURFACE (TOP OF ASPHALT OR TOP OF CONCRETE PAVEMENT, NOT TOP OF CURB/SIDEWALK) UNLESS OTHERWISE NOTED.
- 2. ALL UTILITY STRUCTURES EXPOSED TO TRAFFIC SHALL BE TRAFFIC RATED INCLUDING STRUCTURE, LID, ETC.
- 3. ALL UTILITY STRUCTURES WITH LIDS EXPOSED TO PEDESTRIAN TRAFFIC SHALL BE SLIP RESISTANT IN ACCORDANCE WITH ACCESSIBILITY REQUIREMENTS.
- 5. ALL TRENCHING SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE PURVEYOR
- PROVIDE MARKING TAPE AND LOCATE WIRE WITH ALL TRENCH INSTALLATIONS.
- ALL SANITARY SEWER PIPING SHALL BE PVC UNLESS DENOTED OTHERWISE. ALL PVC SEWER PIPE SHALL BE SDR-35 CONFORMING TO ASTM D3034.
- 8. ALL WATER PIPING DENOTED AS PVC SHALL CONFORM TO ASTM D1785, SCHEDULE 40.
- 9. ALL SANITARY SEWER MUST MEET THE REQUIREMENTS OF THE CHEROKEE METROPOLITAN DISTRICT AND EL PASO COUNTY

(#) SANITARY SEWER CONSTRUCTION NOTES:

- POINT OF CONNECTION: CONNECT TO EXISTING SANITARY SEWER PER CHEROKEE METROPOLITAN SEWER DISTRICT STANDARDS AND SPECIFICATIONS. INSTALL SANITARY SEWER CLEANOUT PER DETAIL 11/SHT 12. POTHOLE TO VERIFY MATERIAL, SIZE AND DEPTH PRIOR TO CONSTRUCTION. REPORT RESULTS TO ENGINEER. REFER TO SEWER CONNECTION NOTE THIS PAGE.
- INSTALL GREASE INTERCEPTOR PER DETAIL 5/SHT 13 AND SAMPLING MANHOLE PER CHEROKEE METROPOLITAN DISTRICT STANDARD; INVERT AND RIM ELEVATIONS AS NOTED IN THE SANITARY SEWER STRUCTURE TABLE. REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR ADDITIONAL INFORMATION. PROVIDE VENT LINE; REFER TO ALL PLUMBING PLANS FOR ADDITIONAL
- INSTALL SANITARY SEWER CLEANOUT PER DETAIL 11/SHT 12; DIAMETER, RIM AND INVERT ELEVATIONS AS NOTED IN THE STRUCTURE TABLE.
- APPROXIMATE LOCATION OF CONNECTION TO BUILDING, INSTALL 6"Ø SANITARY SEWER CLEANOUT PER DETAIL 11/SHT 12. CONTRACTOR SHALL VERIFY FINAL INVERT ELEVATION, HORIZONTAL/VERTICAL LOCATION, AND SIZE WITH PLUMBING PLANS PRIOR TO CONSTRUCTION.
- 5. INSTALL SEWER LATERAL; PIPE SIZE, MATERIAL, LENGTH, AND SLOPE PER PLANS

WATER CONSTRUCTION NOTES:

- CONNECT TO EXISTING 1" WATER SERVICE PER CHEROKEE METROPOLITAN DISTRICT STANDARDS AND SPECIFICATIONS. POTHOLE TO VERIFY MATERIAL, SIZE, AND DEPTH PRIOR TO CONSTRUCTION
 - INSTALL 140 LF 1.5" PVC WATER SERVICE
- APPROXIMATE LOCATION OF WATER SERVICE CONNECTION TO BUILDING. REFER TO PLUMBING
- INSTALL 3/4" IRRIGATION REDUCED PRESSURE BACKFLOW PREVENTION DEVICE FROM APPROVED LIST BY CHEROKEE METROPOLITAN DISTRICT AND PER EL PASO COUNTY STANDARDS AND SPECIFICATIONS. ABOVE GROUND RPBA SHALL BE ENCLOSED IN SUITABLE ENCLOSURE. ENCLOSURE SHALL BE HEATED AND INSULTED WITH HINGED LOCKABLE LID WHICH EXPOSES TOP AND FRONT OF RPBA. ENCLOSURE SHALL BE EQUIPPED WITH A SCREENED DRAINAGE PORT AT THE BASE AND FLEXIBLE FLAP TO PREVENT DRAFTS. CONTRACTOR SHALT COORDINATE INSTALLATION OF 120 VOLT, SINGLE PHASE, 15 AMP GROUND FAULT INTERRUPTING RECEPTACLE (UL STANDARD 943, N.E.M.A. 3R) WITH ELECTRICAL PLANS. INCLUDING CONDUIT ROUTING TO FACILITY. COORDINATE ALL REQUIREMENTS WITH WATER PURVEYOR PRIOR TO CONSTRUCTION.
- 5. INSTALL 3/4" PVC IRRIGATION WATER SERVICE.
- EXISTING FIRE HYDRANT. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- INSTALL 3/4" IRRIGATION METER FROM APPROVED LIST BY CHEROKEE METROPOLITAN DISTRICT AND PER EL PASO COUNTY STANDARDS AND SPECIFICATIONS.

DRY UTILITIES NOTES:

- APPROXIMATE LOCATION OF EXISTING TRANSFORMER. CONTRACTOR SHALL COORDINATE SCOPE OF WORK WITH MEP PLANS AND PURVEYOR PRIOR TO CONSTRUCTION
- APPROXIMATE LOCATION OF POWER CONNECTION TO BUILDING. REFER TO ELECTRICAL PLANS FOR FINAL LOCATION. CONTRACTOR SHALL INSTALL TWO (2) 4" CONDUITS WITH PULL TAPE FOR INSTALLATION; ALL CHANGES IN DIRECTION CHANGES MUST INCORPORATE A MINIMUM 3' RADIUS SWEEP. CONTRACTOR TO COORDINATE SCOPE OF WORK WITH MEP PLANS AND PURVEYOR PRIOR
- APPROXIMATE LOCATION OF UNDERGROUND DATA/COMM/TELE SERVICE LINE. CONTRACTOR SHALL INSTALL ONE (1) 4" CONDUIT WITH PULL TAPE FOR DATA/COMM/TELEPHONE SERVICE; CONNECT TO EXISTING COMMUNICATION BOX. CONTRACTOR TO COORDINATE SCOPE OF WORK WITH MEP PLANS AND PURVEYOR PRIOR TO CONSTRUCTION.
- APPROXIMATE LOCATION OF DATA/COMM/TELE CONNECTION TO BUILDING. REFER TO MEP PLANS
- CONNECT TO EXISTING DATA/COMM/TELE SERVICE. CONTRACTOR SHALL COORDINATE SCOPE OF WORK WITH MEP PLANS AND PURVEYOR PRIOR TO CONSTRUCTION.
- CONNECT TO EXISTING POWER. CONTRACTOR TO COORDINATE SCOPE OF WORK WITH MEP PLANS AND PURVEYOR PRIOR TO CONSTRUCTION

TOP UTILITY

ELECTRICAL

INVERT CLEAR

±6293.20 ±1.0'

±6294.55 ±1.5'

±6294.55 ±1.6'

±6293.25 ±1.0°

±6293.25 ±1.0'

UTILITY CROSSING TABLE

±6293.05 DOMESTIC WATER

±6292.88 DOMESTIC WATER

|±6292.24| EX. ELECTRICAL

±6292.21 EX. ELECTRICAL

UTILITY CROSSING NOTE

OF ANY DISCREPANCIES.

TOP

±6293.20

SEWER

SEWER

PRIOR TO CONSTRUCTION.

STI	RUCTURE
	TABLE
GREASE II	NTERCEPTO

SANITARY SEWER

IE=6292.25 (4" IN W) IE=6292.25 (4" OUT E) SAMPLE PORT,

RIM=6295.04 IE=6292.14 (4" IN W) IE=6292.14 (4" OUT E

RIM = 6296.18IE=6292.60 (6" OUT S RIM = 6296.18

IE=6292.60 (4" OUT S) RIM = 6294.85

> IE=6291.94 (6" OUT N) RIM=6295.55

IE=6291.78 (6" OUT NE) RIM = 6295.76

IE=6291.78 (6" IN S)

IE=6291.57 (6" IN SW)

SEWER/WATER CROSSING NOTE:

ALL SEWER AND WATER LINE CROSSINGS MUST BE PERPENDICULAR TO EACH OTHER.

GAS NOTE:

GAS METERS MUST BE A MINIMUM OF 3 FT AWAY FROM ANY OPENING IN WALLS. ENSURE GAS METER HAS 3 FT RADIAL SEPARATION FROM DOORS, OPERABLE WINDOWS, AND SOURCES OF

VALVE NOTES:

ANY VALVES EMPLACED MUST OPEN WITH A LEFT TURN

(III) UTILITY CROSSING NOTE: CONTRACTOR SHALL MAINTAIN MINIMUM VERTICAL SEPARATION BETWEEN UTILITIES AS REQUIRED BY JURISDICTION HAVING AUTHORITY. CONTRACTOR TO VERIFY SEPARATION REQUIREMENTS PRIOR TO CONSTRUCTION AND

UTILITY POTHOLING NOTE:

THE CIRCLED LOCATIONS ARE REQUIRED TO BE POTHOLED TO VERIFY VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITY AND/OR POTENTIAL CONFLICTS WITH EXISTING UTILITIES. POTHOLING SHALL BE PERFORMED PRIOR TO INSTALLING ANY PROPOSED UTILITIES. CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. OF ANY CONFLICTS.

UTILITY PROTECTION NOTE:

NOTIFY ENGINEER OF ANY DISCREPANCIES.

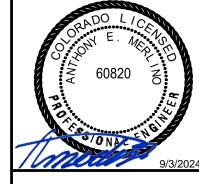
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UTILITY COORDINATION NOTE:

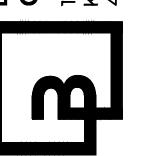
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UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

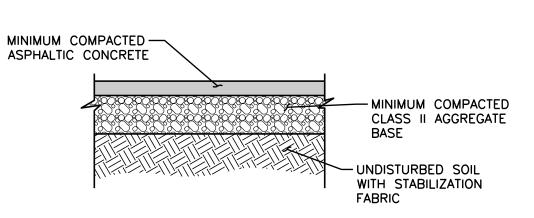


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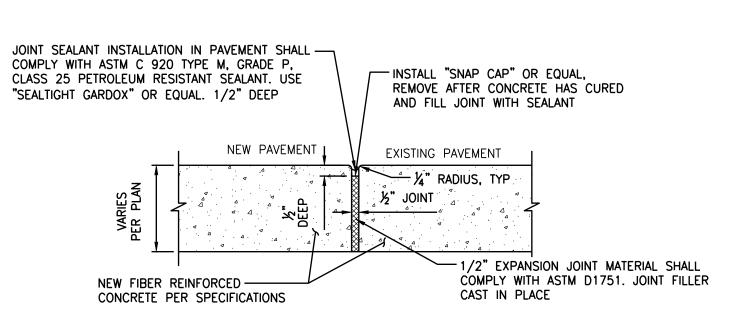
A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO

PCD FILE NO PPR2413

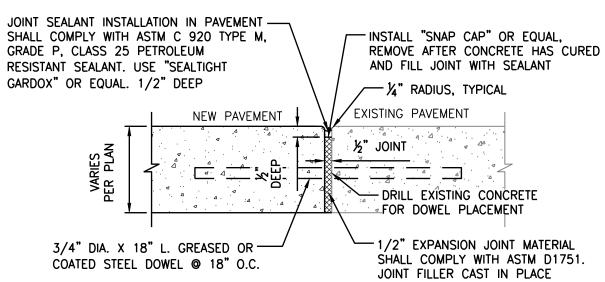


NOTE:
ALL ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE
WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER

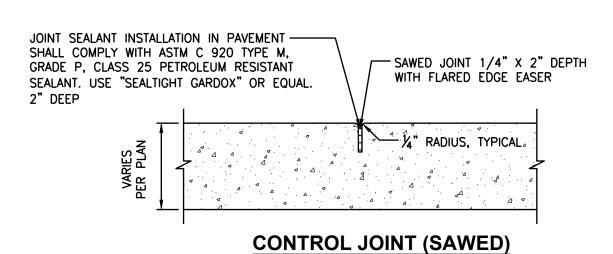
ASPHALT PAVING SECTION 12 NOT TO SCALE



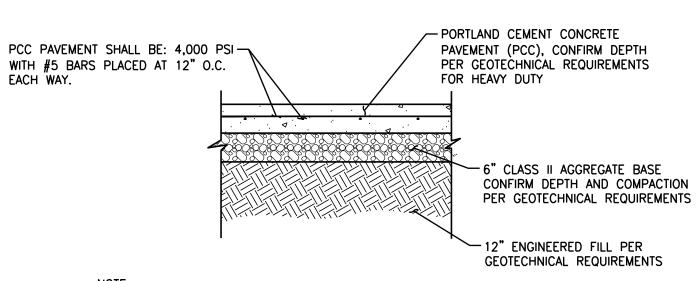
CONSTRUCTION JOINT



EXPANSION JOINT (TYPICAL)

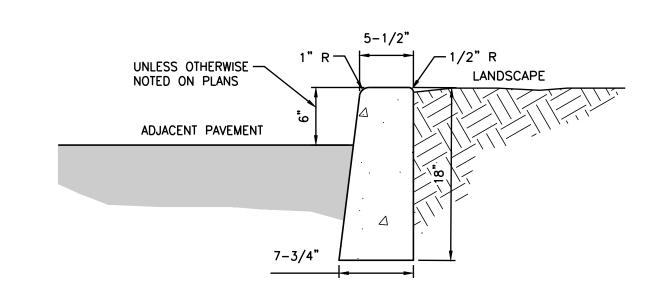




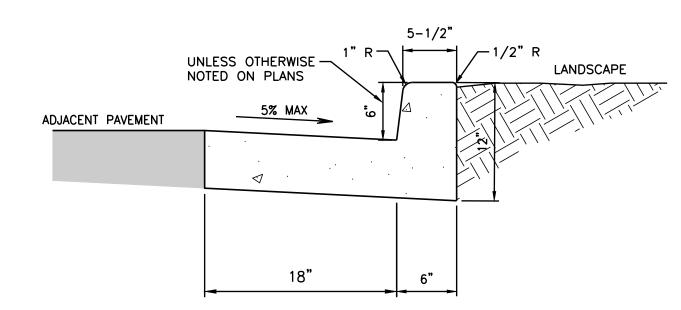


ALL PORTLAND CEMENT CONCRETE PAVEMENT (PCC) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.

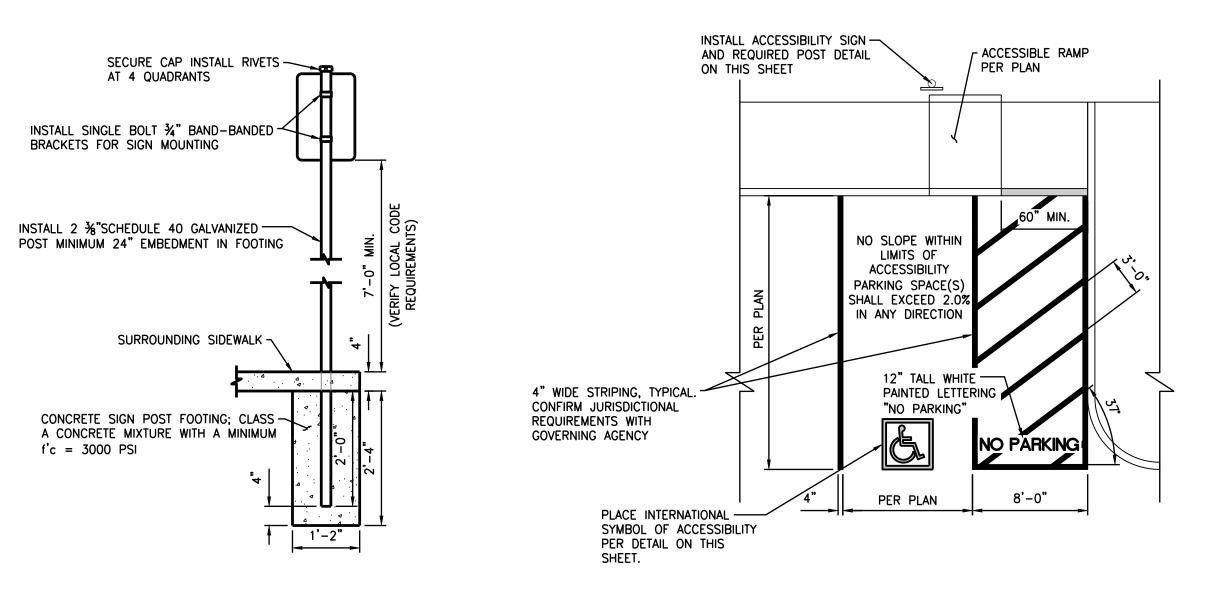
CONCRETE PAVING SECTION





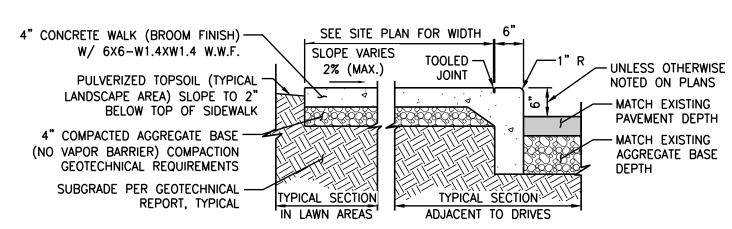


ONSITE CURB AND GUTTER



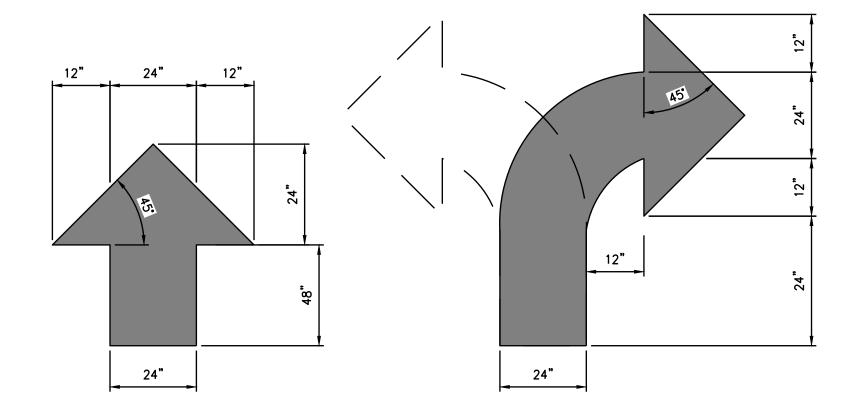
ACCESSIBLE PARKING

12 NOT TO SCALE



NOTES:
A. SIDEWALKS VARY IN WIDTH. CONTROL JOINTS TO BE PLACED AT SPACING EQUAL TO SIDEWALK WIDTH, REFER TO DETAIL 4 THIS SHEET.
B. PROVIDE EXPANSION JOINTS AT 28' TO 30' O.C. MAXIMUM, SEE DETAIL 4 THIS SHEET.
C. WHEN WALK IS ADJACENT TO THE BUILDING PROVIDE 3/8" X 4" IMPREGNATED FIBERBOARD.
D. ALL PORTLAND CEMENT CONCRETE PAVEMENT (PCC) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORTS.

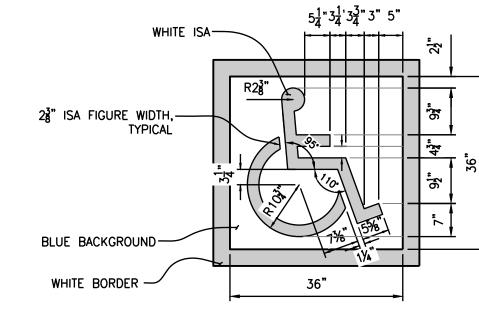
ONSITE SIDEWALK



DETAIL NOTES:

APPLY 2 COATS OF CHLORINATED RUBBER-TYPE TRAFFIC-LANE MARKING PAINT OVER CLEANED PAVING

7 TRAFFIC MARKINGS



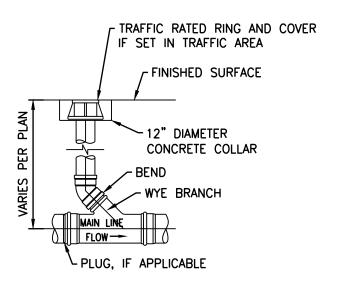
PAVEMENT INTERNATIONAL SYMBOL OF ACCESSIBILITY NOTES:

- A. SYMBOL TO BE CENTERED ON WIDTH OF PARKING STALL.

 B. BOTTOM OF SYMBOL TO BE LOCATED FLUSH WITH ACCESS DRIVE,
- CENTERED ON PARKING SPACE.

 C. SYMBOL IS REQUIRED TO CONTRAST WITH BACKGROUND.

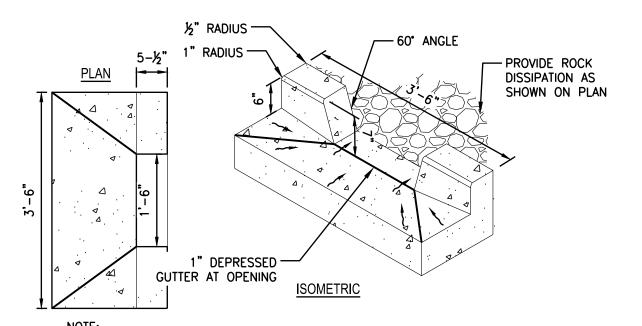
8 INTERNATIONAL SYMBOL OF ACCESSIBILITY



CONSTRUCTION NOTES:

- RING AND ACCESS COVER SHALL BE H20 TRAFFIC RATED AND DUCTILE OR CAST IRON CASTING.
- 2. RING AND COVER SHALL BE SET FLUSH WITH FINISHED SURFACE.
- 3. ALL PIPE/FITTING SHALL CONFORM TO SPECIFICATIONS ON UTILITY

CLEANOUT 12 NOT TO SCALE



NOTE: MATCH ELEVATIONS OF ADJACENT CURB AND GUTTER.

CURB CUT

12
NOT TO SCALE

PPR2413

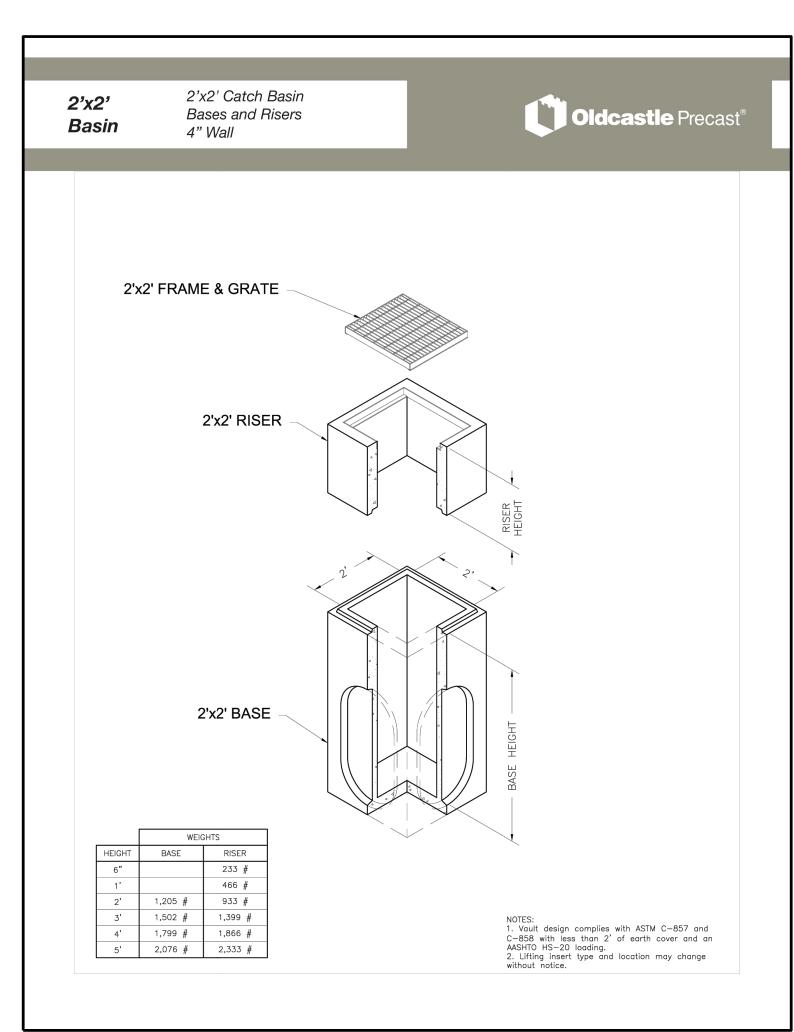


VIL DETAIL:

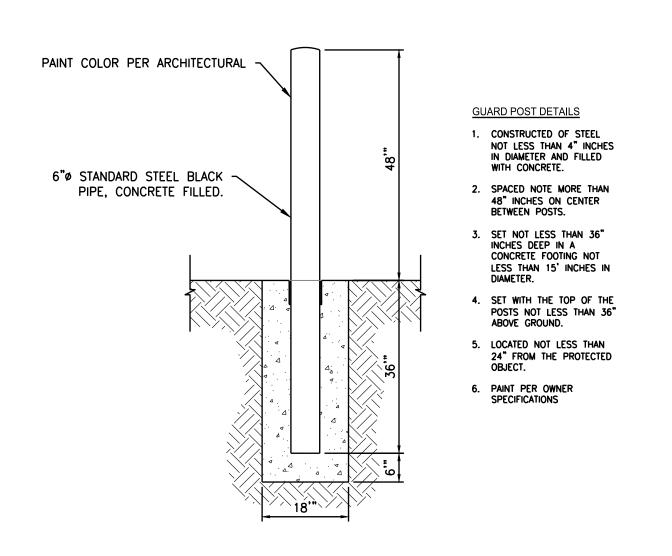
25098
Sheet

12
2019 DB

Know what's below. Call before you dig. Dial 811



PRE-CAST CATCH BASIN

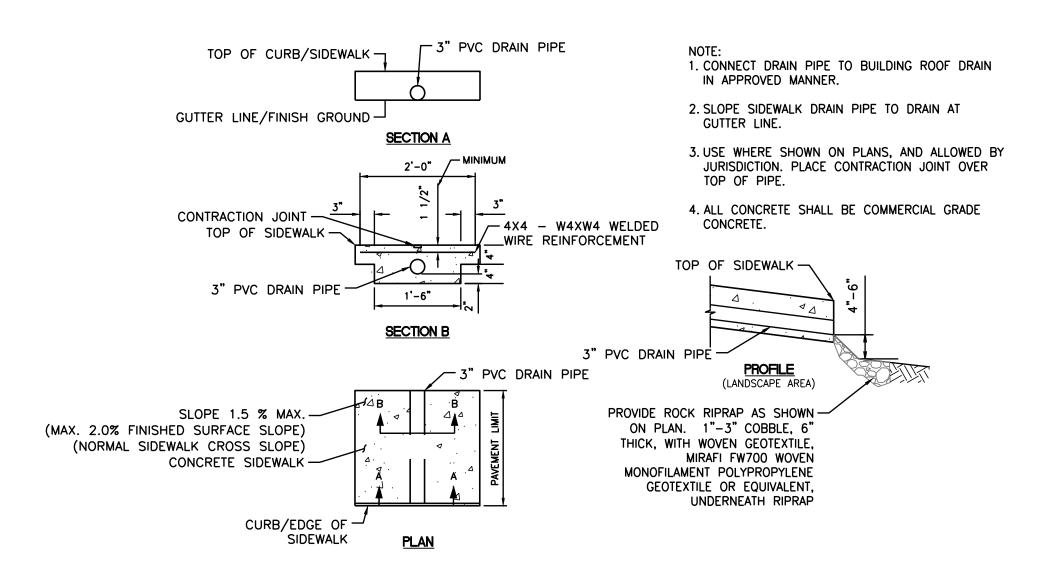




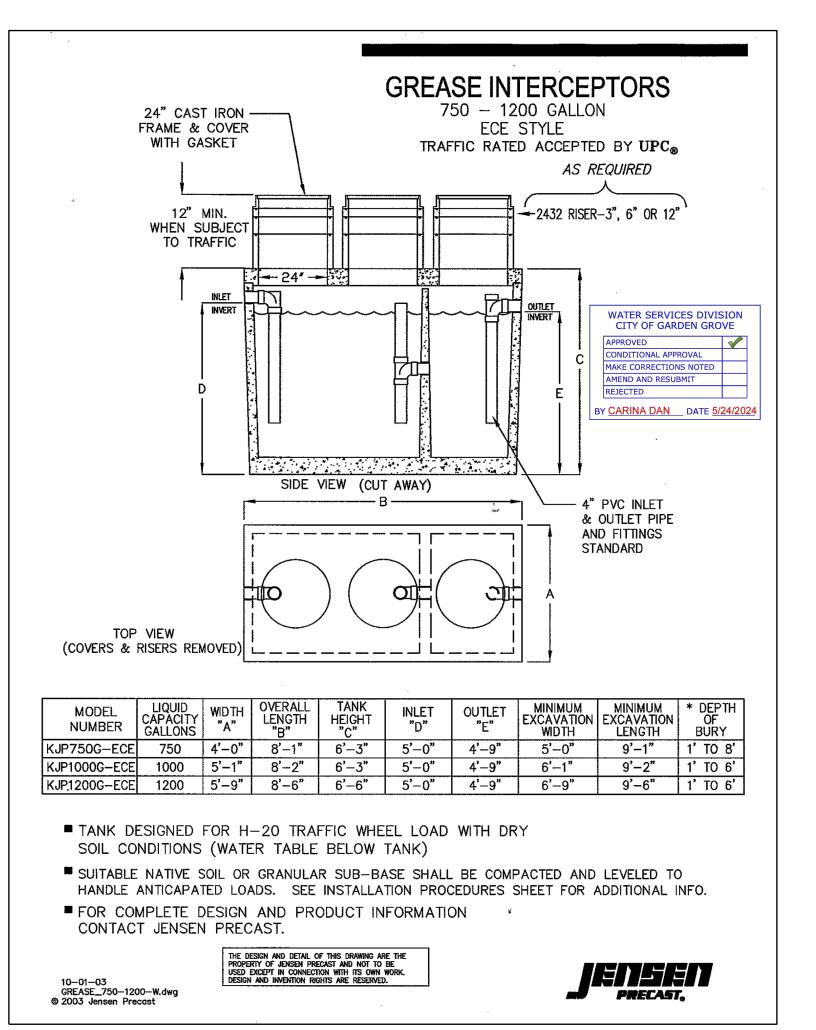
DUTCH BROS. COFFEE - CO0907, COLORADO SPRINGS, CO

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO

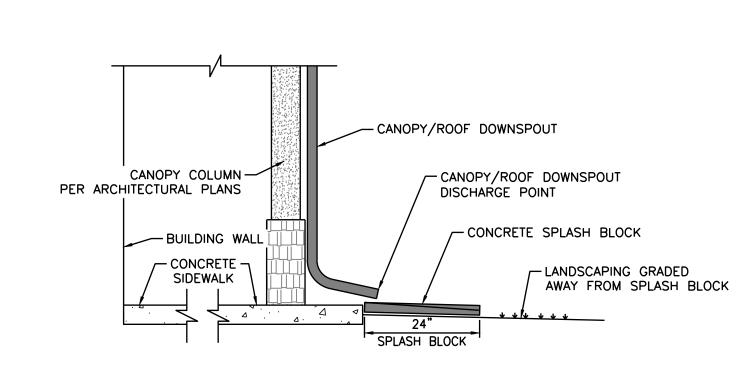
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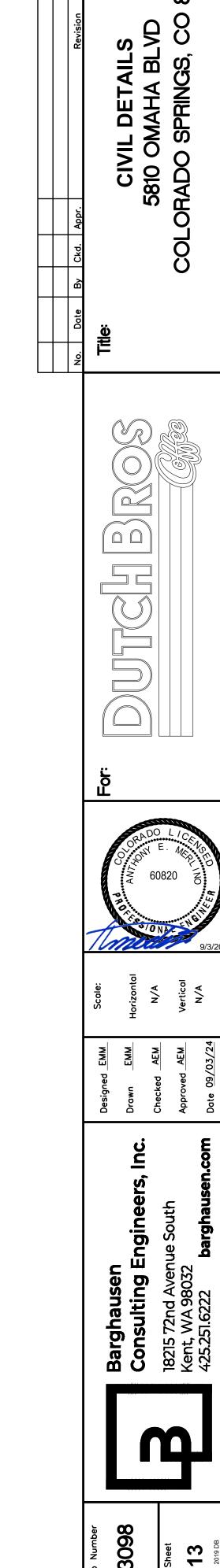




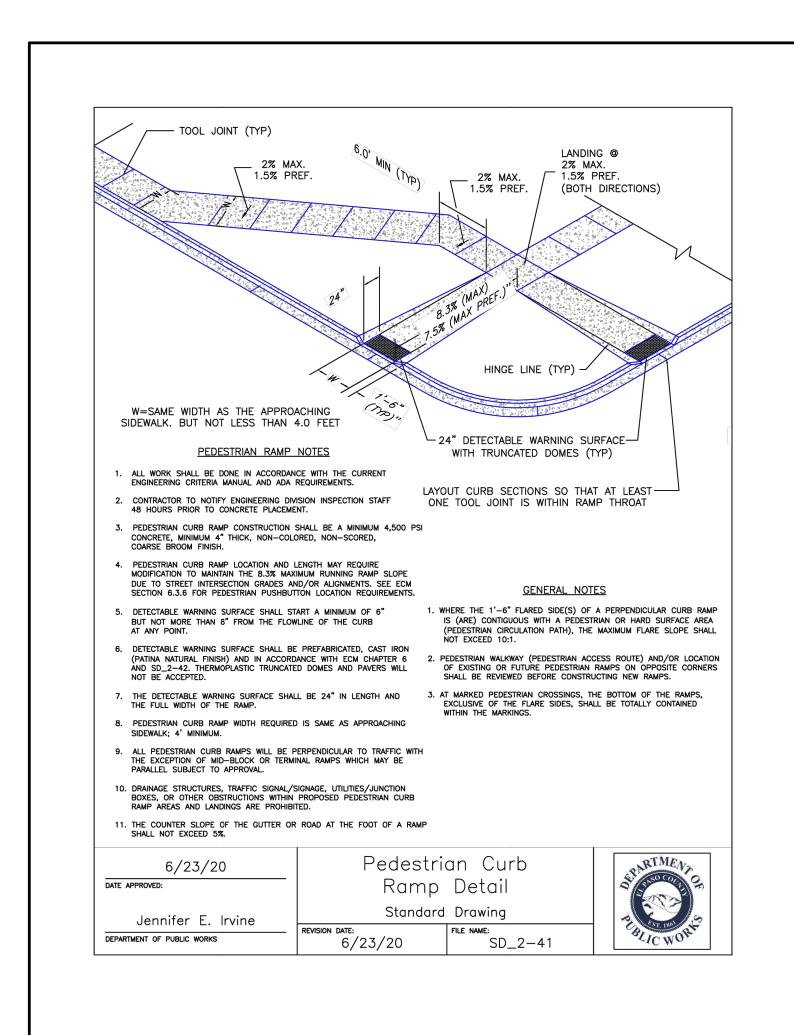


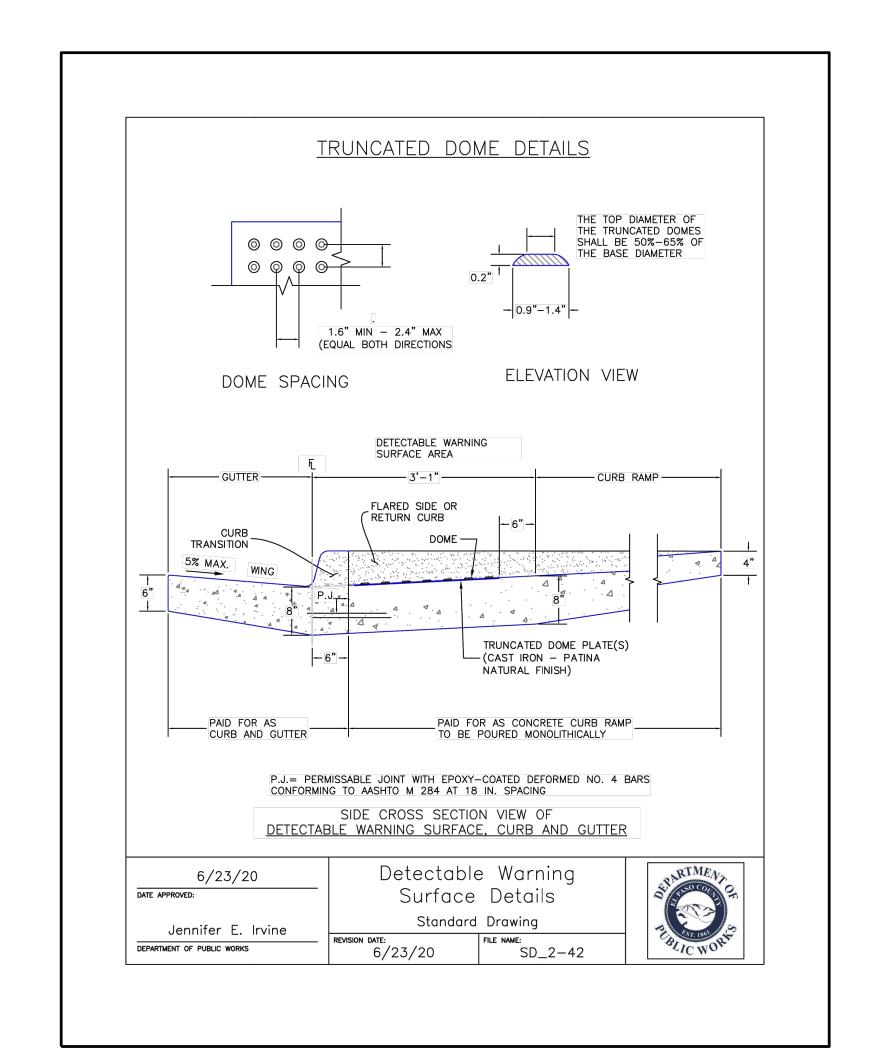


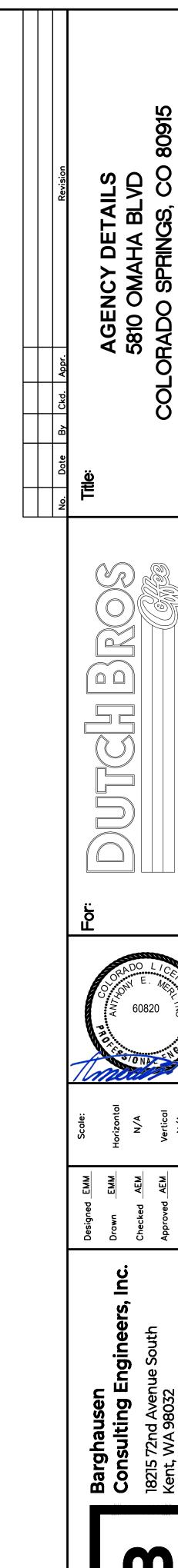




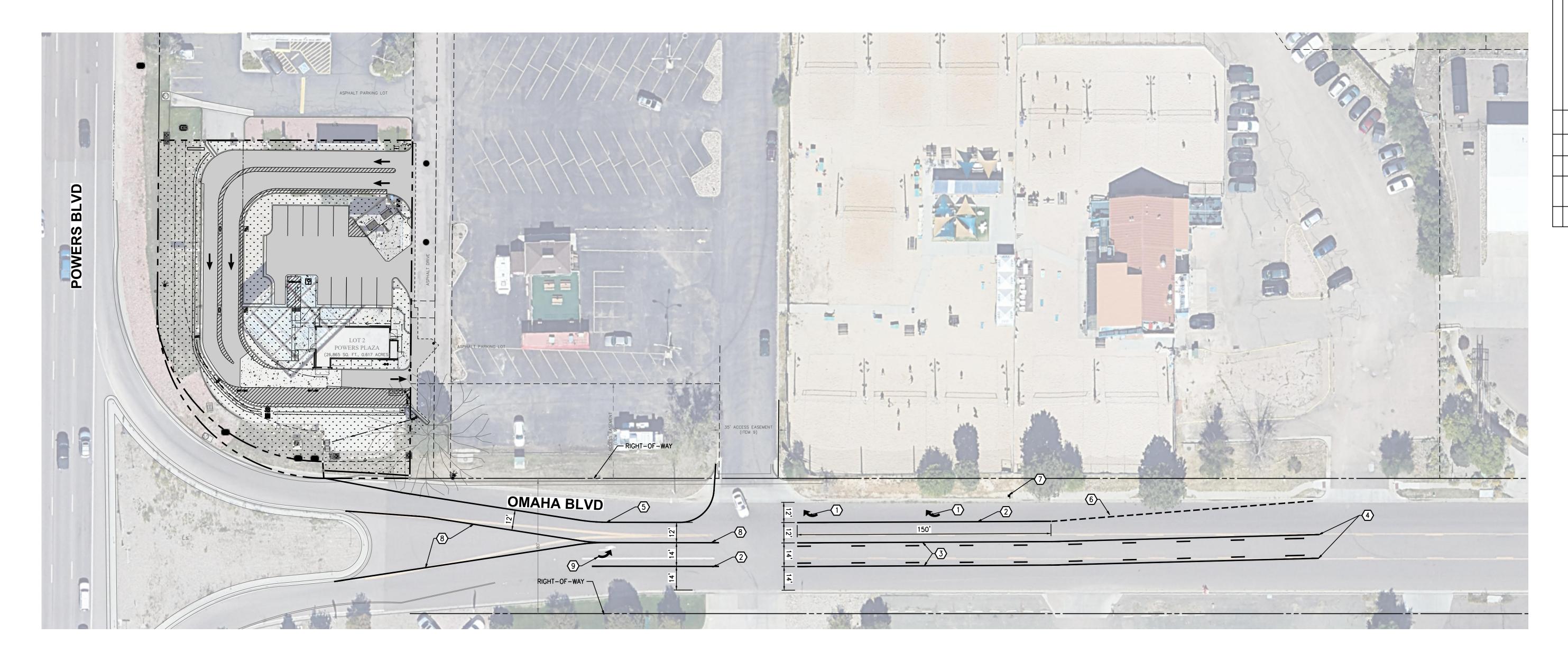
A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO PCD FILE NO PPR2413







A PORTION OF THE SOUTHWEST QUARTER OF SECTION 6 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PM
CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, COLORADO
PCD FILE NO PPR2413



(#) CONSTRUCTION NOTES:

- 1. PAINT RIGHT TURN PER EL PASO COUNTY AND MUTCD STANDARDS AND
- PAINT SOLID WHITE LANE PER EL PASO COUNTY AND MUTCD STANDARDS AND SPECIFICATIONS
- PAINT YELLOW TWO-WAY LEFT TURN TURN LANE PER EL PASO COUNTY AND MUTCD STANDARDS AND SPECIFICATIONS.
- 4. MATCH EXISTING STRIPING
- PAINT SOLID WHITE FOG LINE PER EL PASO COUNTY AND MUTCD STANDARDS AND SPECIFICATIONS
- 6. PAINT DOTTED WHITE LINE PER EL PASO COUNTY AND MUTCD STANDARDS AND SPECIFICATIONS.
- INSTALL RIGHT TURN MUST TURN RIGHT (R3-7) PER MUTCD STANDARDS AND SPECIFICATIONS.
- 8. PAINT SOLID YELLOW LANE PER EL PASO COUNTY AND MUTCD STANDARDS
- 9. PAINT LEFT TURN PER EL PASO COUNTY AND MUTCD STANDARDS AND SPECIFICATIONS

