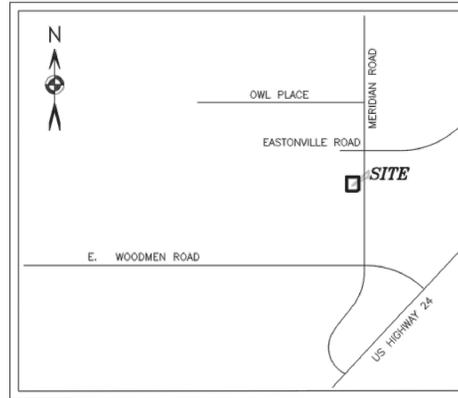


DISCOUNT TIRE CONSTRUCTION DOCUMENTS

FALCON MARKETPLACE, LOT 4 - 7585 FALCON MARKET PL

SITUATED IN A PORTION OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST
OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO



VICINITY MAP
(NOT TO SCALE)

CONTACTS:

DEVELOPER:
HALLE PROPERTIES, LLC.
20225 N. SCOTTSDALE ROAD
SCOTTSDALE, AZ 85255
TEL: (480) 606-6845
CONTACT: LESLIE GERMAN
EMAIL: LESLIE.GERMAN@DISCOUNTTIRE.COM

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 300
COLORADO SPRINGS, CO 80903
TEL: (719) 453-0180
CONTACT: MITCHELL HESS, P.E.
EMAIL: MITCHELL.HESS@KIMLEY-HORN.COM

ARCHITECT:
KINETIC DESIGN
20381 LAKE FOREST DRIVE, SUITE B16
LAKE FOREST, CA 92630
TEL: (951) 363-4467
CONTACT: STEVE APPEL
EMAIL: SAPPEL@KINETICDESIGN.BUILD

SURVEYOR:
BARRON LAND SURVEYING
2790 N. ACADEMY BOULEVARD, SUITE 311
COLORADO SPRINGS, CO 80917
TEL: (719) 360-6827
CONTACT: SPENCER BARRON P.L.S.
EMAIL: SPENCER@BARRONLAND.COM

LANDSCAPE ARCHITECT:
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 300
COLORADO SPRINGS, CO 80903
TEL: (719) 453-0180
CONTACT: JEREMY POWELL, P.L.A.
EMAIL: JEREMY.POWELL@KIMLEY-HORN.COM

OWNER:
HALLE PROPERTIES, LLC.
20225 N. SCOTTSDALE ROAD
SCOTTSDALE, AZ 85255
TEL: (480) 606-6845
CONTACT: LESLIE GERMAN
EMAIL: LESLIE.GERMAN@DISCOUNTTIRE.COM

DESIGN 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 SPECIFICATIONS.


MITCHELL HESS, P.E.#: 53916 06/23/2021
DATE:

OWNER'S/DEVELOPER'S STATEMENT:

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


(NAME) Matthew Johnson 18/01/2021
DATE
HALLE PROPERTIES, LLC

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.



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

| CONSTRUCTION DOCUMENTS | |
|------------------------|-------------------------------|
| SHEET NUMBER | SHEET TITLE |
| C1.0 | COVER SHEET |
| C1.1 | GENERAL NOTES |
| *C2.0 | COVER SHEET & GENERAL NOTES |
| *C2.1 | INITIAL EROSION CONTROL PLAN |
| *C2.2 | FINAL EROSION CONTROL PLAN |
| *C2.3 | GRADING PLAN |
| *C2.4 | EROSION CONTROL DETAILS |
| *C2.5 | EROSION CONTROL DETAILS |
| *C2.6 | EROSION CONTROL DETAILS |
| *C2.7 | EROSION CONTROL DETAILS |
| *C2.8 | EROSION CONTROL DETAILS |
| C3.0 | SITE PLAN |
| C4.0 | UTILITY PLAN |
| C5.0 | STORM A PLAN & PROFILES |
| C5.1 | STORM B & C PLAN AND PROFILES |
| 6.0 | PRIVATE SITE DETAILS |
| C6.1 | STANDARD DETAILS |
| C6.2 | STANDARD DETAILS |
| C6.3 | STANDARD DETAILS |

*SHEETS PROVIDED AS SEPARATE SET

OFF-SITE CONSTRUCTION LAND OWNER AGREEMENT

AS PART OF THE CONSTRUCTION OF THE DISCOUNT TIRE DEVELOPMENT, THE CONTRACTOR WILL BE REQUIRED TO DO MINIMAL GRADING AND EROSION CONTROL CONSTRUCTION OUTSIDE OF THE PROPERTY BOUNDARIES. BY SIGNING BELOW, THE OFF-SITE LAND OWNER AGREES TO ALLOW THE CONTRACTOR TO CONSTRUCT NECESSARY IMPROVEMENTS WITHIN THE OFF-SITE AREAS SHOWN IN THIS CONSTRUCTION DOCUMENT PLAN SET.

OFF-SITE LAND OWNER SIGNATURE: 
CONTACT NAME: Lowell Good DATE: 9-3-21
ENTITY NAME: KING SCOPERS PHONE: 303-778-3123
ADDRESS: 65 TEJON ST. EMAIL: lowellgood@kingscapers.com
DENVER, CO

LAND AREA:

51,052 SQ. FT. OR 1.172 ACRES MORE OR LESS

BASIS OF BEARING:

BEARINGS ARE BASED UPON A LINE LYING 30' WESTERLY AND PARALLEL OF THE EAST LINE OF SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M. AS SHOWN OF THE PLAT OF FALCON MARKETPLACE, MONUMENTED AT THE NORTH END WITH A #5 REBAR AND YELLOW PLASTIC CAP STAMPED "PLS 31548" AND MONUMENTED AT THE SOUTH END WITH A MAG NAIL AND WASHER STAMPED "PLS 31548", AND IS ASSUMED TO BEAR N 00°29'40" W, A DISTANCE OF 1137.83'.

BENCHMARK:

ELEVATIONS ARE BASED UPON THE COLORADO SPRINGS UTILITIES FACILITIES INFORMATION MANAGEMENT SYSTEM (FIMS) MONUMENT BL1167 (ELEVATION = 6873.18 NVGD29)

LEGAL DESCRIPTION

PARCEL A, LOT 4, FALCON MARKETPLACE

FEMA CLASSIFICATION

THIS SITE IS NOT WITHIN A DESIGNATED F.E.M.A. FLOODPLAIN AS DETERMINED BY FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 08041C0553G EFFECTIVE DATE DECEMBER 7, 2018 AND IS LABELED AS A ZONE "X" AREA, OR AREA OF MINIMAL FLOOD HAZARD.

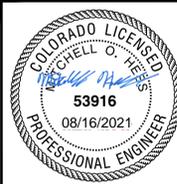
SOIL TYPE

THE SOIL ON SITE IS CLASSIFIED WITH THE USCS AS MOSTLY GRAVELLY SANDY LOAM CLASSIFIED AS HYDROLOGIC SOIL GROUP A.

PCD File No.: PPR2112

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Kimley»Horn

©2021 2 N. NEVADA AVE., SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

PROJECT NAME:
DISCOUNT TIRE - FALCON, CO

PROJECT ADDRESS:
7585 FALCON MARKETPLACE
PEYTON, CO 80831

PROJECT NUMBER:
096010025
DATE:
08/05/2021
DESIGNED BY:
JMM
REVIEWED BY:
MOH

SHEET TITLE:
COVER SHEET
SHEET NUMBER:
C1.0

LEGEND

- PROPERTY LINE
- - - BUILDING SETBACK LINE
- - - EASEMENT LINE
- AR --- ACCESSIBLE ROUTE
- PROPOSED FIRE LANE STRIPING
- LANDSCAPE
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED STANDARD DUTY ASPHALT PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SITE LIGHT
- PROPOSED STORM SEWER MANHOLE
- EXISTING STORM SEWER MANHOLE
- PROPOSED AREA INLET

KEYNOTE LEGEND

- 1 PROPOSED TYPE A CURB AND GUTTER PER EL PASO COUNTY STD SD_2-20
- 2 PROPOSED CONCRETE SIDEWALK PER CDOT STANDARD DRAWING M-609-1 (WIDTH PER PLAN)
- 3 PROPOSED ADA STRIPING, VAN SPACE AS NOTED ON SITE PLAN. REFER TO SHEET C6.0 FOR MORE INFORMATION
- 4 PROPOSED ADA SIGN, REFER TO SHEET C6.0 FOR MORE INFORMATION, SIGN INSTALLATION PER PLAN.
- 5 PROPOSED TYPE 1 (PERPENDICULAR) CURB RAMP PER CDOT STANDARD DRAWING M-608-1 WITH DETECTABLE WARNING PER EL PASO COUNTY STANDARD SD_2-42
- 6 PROPOSED BOLLARD, REFER TO SHEET C6.0 FOR MORE DETAILS
- 7 PROPOSED DELIVERY PARKING, STRIPING PER KEYNOTE 9
- 8 PROPOSED 4" WIDE PARKING STRIPE
- 9 PROPOSED 4" WIDE DIAGONAL PAVEMENT MARKINGS AT 36" ON CENTER
- 10 PROPOSED LANDSCAPING, REFER TO LANDSCAPE PLANS FOR MORE DETAILS
- 11 PROPOSED TRASH ENCLOSURE, REFER TO ARCHITECTURAL PLANS FOR MORE DETAILS
- 12 PROPOSED 5-FT WIDE CROSSWALK STRIPING
- 13 PROPOSED FIRE LANE STRIPING PER
- 14 PROPOSED BIKE RACK (3 SPACES), REFER TO SHEET C6.0 FOR MORE INFORMATION
- 15 PROPOSED MONUMENT SIGN, REFER TO SIGN PACKAGE FOR MORE DETAILS
- 16 PROPOSED DIRECTIONAL ARROW. REFER TO SHEET C6.0 FOR MORE DETAILS

GENERAL NOTES

1. ALL PAVEMENT TO BE STANDARD DUTY ASPHALT PER GEOTECHNICAL RECOMMENDATIONS UNLESS OTHERWISE NOTED.



CURVE TABLE

| CURVE | RADIUS | LENGTH | CHORD BEARING | CHORD | DELTA | TANGENT |
|-------|--------|--------|---------------|--------|------------|-----------|
| C1 | 5.00' | 7.85' | S45°00'00"E | 7.07' | 90°00'00" | 5.00' |
| C2 | 4.50' | 14.14' | S0°00'00"E | 9.00' | 180°00'00" | INFINITY' |
| C3 | 3.00' | 4.71' | S45°00'00"E | 4.24' | 90°00'00" | 3.00' |
| C4 | 20.00' | 15.34' | N68°01'15"E | 14.97' | 43°57'30" | 8.07' |
| C5 | 5.00' | 3.84' | N68°01'15"E | 3.74' | 43°57'30" | 2.02' |
| C6 | 4.50' | 14.14' | N0°00'00"E | 9.00' | 180°00'00" | INFINITY' |
| C7 | 3.00' | 4.71' | N45°00'00"W | 4.24' | 90°00'00" | 3.00' |
| C8 | 2.00' | 3.14' | S45°00'00"W | 2.83' | 90°00'00" | 2.00' |
| C9 | 5.00' | 7.85' | S45°00'00"E | 7.07' | 90°00'00" | 5.00' |
| C10 | 5.00' | 7.85' | N45°00'00"E | 7.07' | 90°00'00" | 5.00' |
| C11 | 5.50' | 8.64' | N45°00'00"W | 7.78' | 90°00'00" | 5.50' |

LINE TABLE

| LINE | LENGTH | BEARING |
|------|--------|----------------|
| L1 | 14.70 | N90°00'00.00"E |
| L2 | 0.27 | S0°00'00.00"E |
| L3 | 15.33 | N90°00'00.00"W |
| L4 | 108.00 | S0°00'00.00"E |
| L5 | 15.50 | N90°00'00.00"E |
| L6 | 15.50 | N90°00'00.00"W |
| L7 | 54.00 | S0°00'00.00"E |
| L8 | 17.00 | N90°00'00.00"E |
| L8 | 5.00 | S0°01'26.38"E |
| L9 | 126.66 | N90°00'00.00"E |
| L10 | 22.48 | N90°00'00.00"E |
| L11 | 153.00 | N0°00'00.00"E |
| L12 | 15.50 | N90°00'00.00"W |
| L13 | 13.00 | N90°00'00.00"E |
| L14 | 26.00 | N0°00'00.02"W |
| L15 | 11.45 | S89°59'59.97"W |
| L16 | 13.00 | N90°00'00.00"W |
| L17 | 28.33 | S0°00'00.00"E |
| L18 | 74.50 | N90°00'00.00"E |
| L19 | 15.71 | N0°00'00.00"E |
| L20 | 2.83 | N45°00'00.00"E |
| L21 | 10.58 | N0°00'00.00"E |
| L22 | 2.83 | N45°00'00.00"W |
| L23 | 89.71 | N0°00'00.00"W |
| L24 | 64.00 | N90°00'00.00"W |
| L25 | 5.50 | S0°00'00.00"E |

FALCON MARKETPLACE, LOT 2 (5301401325)
CURRENT OWNER(S): DILLON COMPANIES, LLC
C/O: KROGER CO.

FALCON MARKETPLACE, LOT 3 (5301402001)
CURRENT OWNER(S): DILLON COMPANIES, LLC
C/O: KROGER CO.
TSI: 5301402001

20' W.H.M.D. EASEMENT
(REC. No. 213102338, TC #15)

32' PUBLIC IMPROVEMENT EASEMENT
(REC. No. 219714441, TC #20)

PROPOSED 6" SIDEWALK AND PEDESTRIAN RAMPS BY OTHERS

PROPOSED 6" SIDEWALK AND PEDESTRIAN RAMPS BY OTHERS

FEMA 100-YEAR FLOODPLAIN

UNNAMED ROAD
(50' PUBLIC RIGHT-OF-WAY)

MERIDIAN ROAD
(PUBLIC RIGHT-OF-WAY VARIES)

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PROJECT NAME:
DISCOUNT TIRE - FALCON, CO

PROJECT ADDRESS:
7585 FALCON MARKETPLACE
PEYTON, CO 80831

PROJECT NUMBER:
096010025

DATE:
08/05/2021

DESIGNED BY:
JWM

REVIEWED BY:
MOH

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C3.0

LEGEND

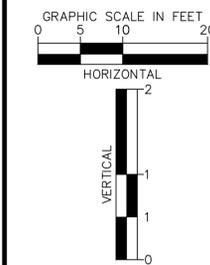
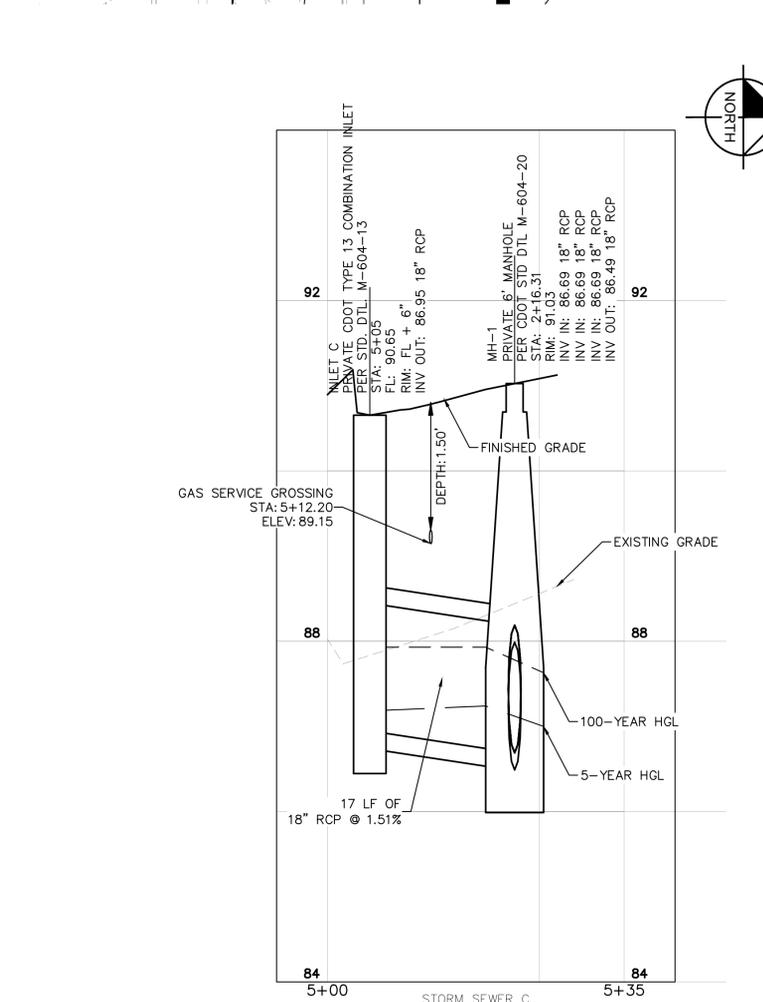
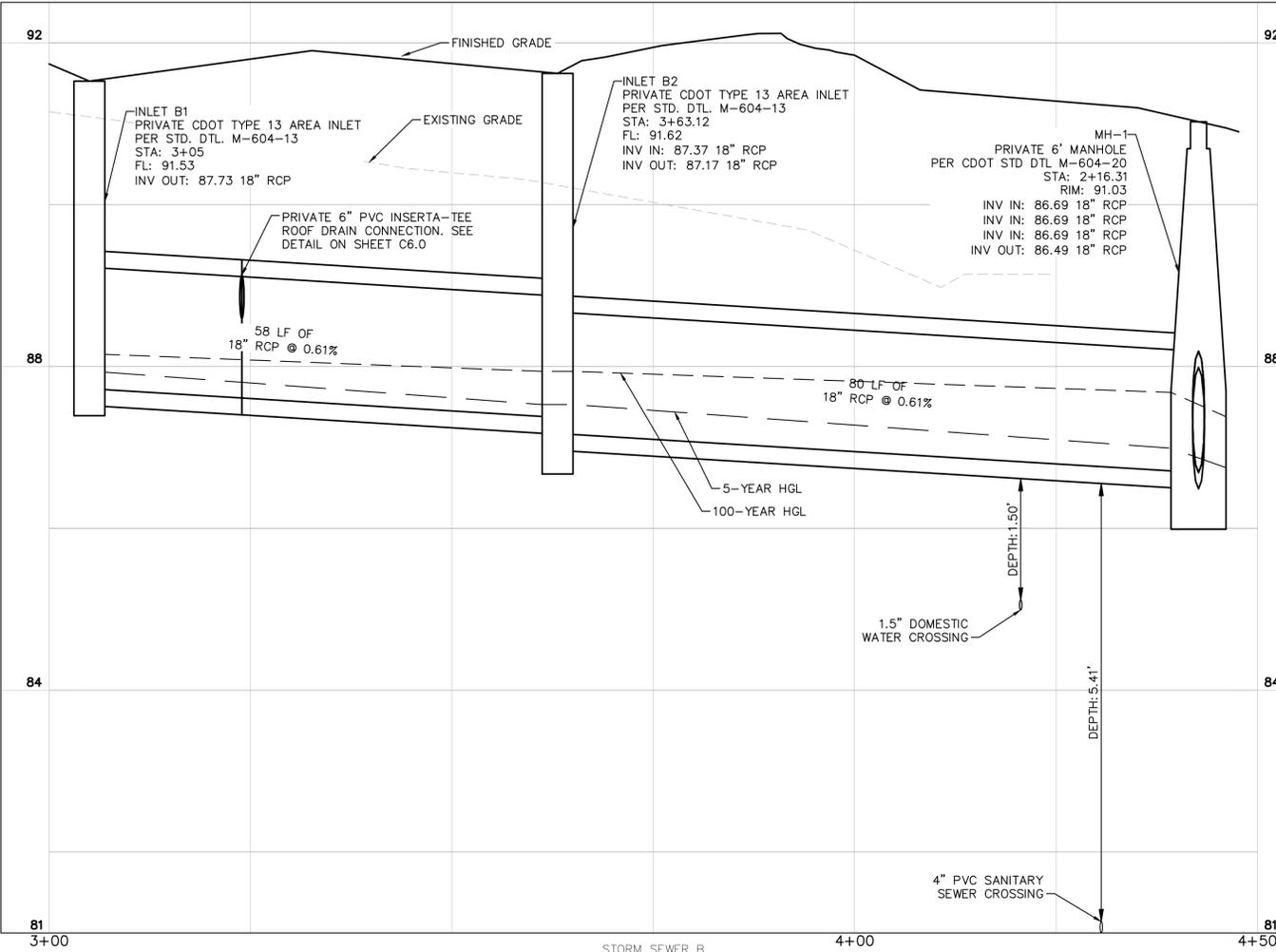
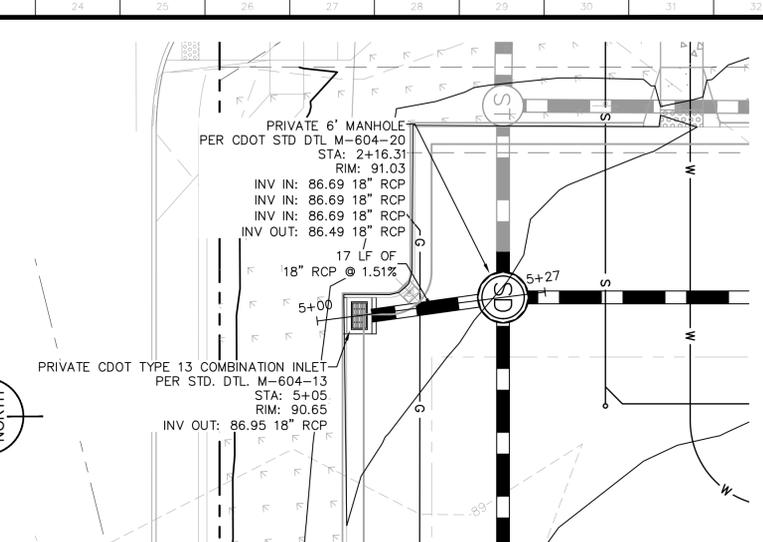
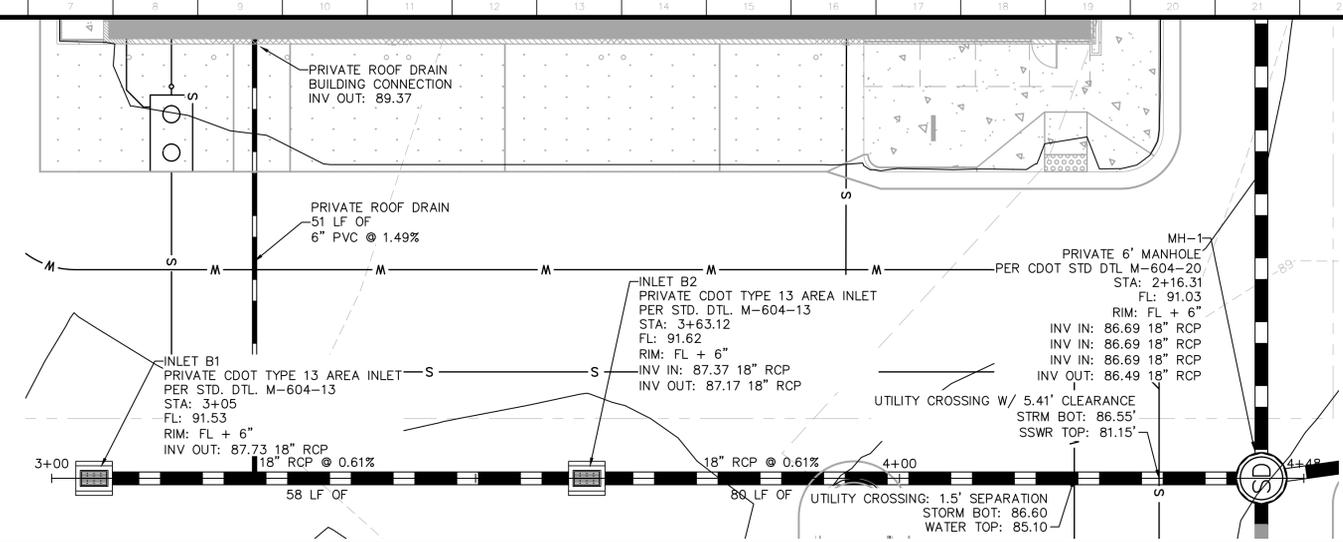
| | |
|-----------|--------------------------------------|
| --- | PROPERTY LINE |
| - - - - | EASEMENT |
| W | PROPOSED DOMESTIC WATER SERVICE LINE |
| G | PROPOSED GAS SERVICE LINE |
| S | PROPOSED SANITARY SEWER |
| E | PROPOSED ELECTRIC LINE |
| → | PROPOSED FLOWLINE |
| ▬▬▬ | PROPOSED STORM SEWER |
| - - - - G | EXISTING GAS LINE |
| - - - - S | EXISTING SANITARY SEWER |
| - - - - W | EXISTING WATER LINE |
| ▬▬▬ | EXISTING STORM SEWER |

GENERAL NOTES

- ADD 6800.00' TO ALL PROPOSED AND EXISTING CONTOURS AND SPOT GRADES TO OBTAIN ELEVATIONS IN REFERENCE TO NAVD88 DATUM

CAUTION NOTE

MINIMUM OF 1.5' OF VERTICAL CLEARANCE IS REQUIRED AT ALL WATER AND SEWER CROSSINGS OR CONTRACTOR SHALL PROVIDE SECONDARY FLOWFILL CONTAINMENT.



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PROJECT NAME:
DISCOUNT TIRE - FALCON, CO

PROJECT ADDRESS:
7585 FALCON MARKETPLACE
PEYTON, CO 80831

PROJECT NUMBER:
096010025

DATE:
08/05/2021

DESIGNED BY:
JWM

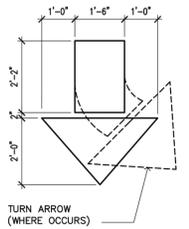
REVIEWED BY:
MOH

SHEET TITLE:
STORM B & C PLAN AND PROFILES

SHEET NUMBER:
C5.1

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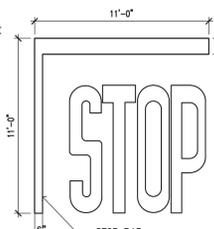
- NOTES:**
1. PLACE ARROW IN CENTER OF TRAFFIC LANE, SEE SITE PLAN.
 2. PAINT ARROW WITH WHITE BEADED REFLECTIVE PAINT. SEE SPECS. FOR ADDITIONAL INFORMATION.
 3. PAINT TWO (2) COATS MINIMUM. LET DRY BETWEEN COATS.



DIRECTIONAL ARROW STRIPING DETAIL

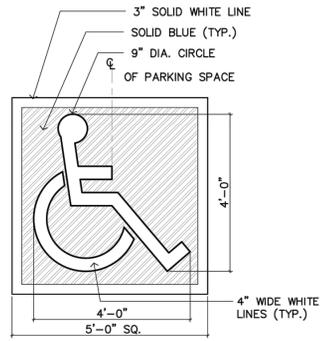
NOT TO SCALE

- NOTES:**
1. PAINT STOP SIGN & BAR WITH WHITE BEADED REFLECTIVE PAINT. SEE SPECS. FOR ADDITIONAL INFORMATION.
 2. PAINT TWO (2) COATS MINIMUM. LET DRY BETWEEN COATS.



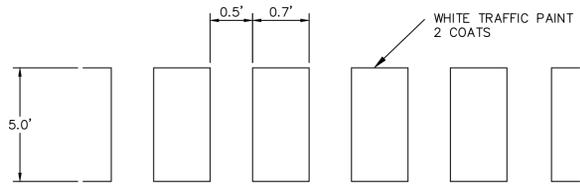
STOP BAR STRIPING DETAIL

NOT TO SCALE



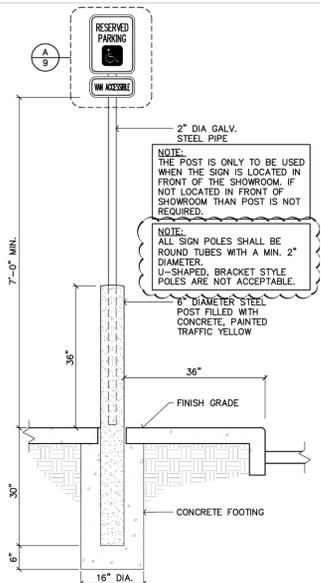
ADA PARKING STRIPING SYMBOL

NOT TO SCALE



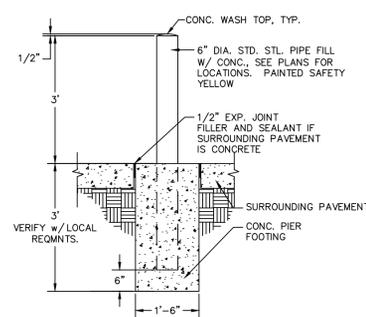
TYPICAL CROSSWALK DETAIL

NOT TO SCALE



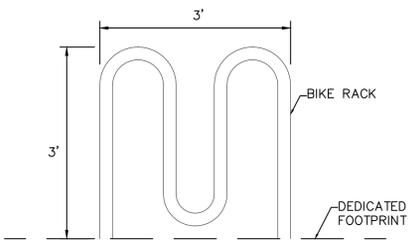
ACCESSIBLE SIGN POST DETAIL

NOT TO SCALE

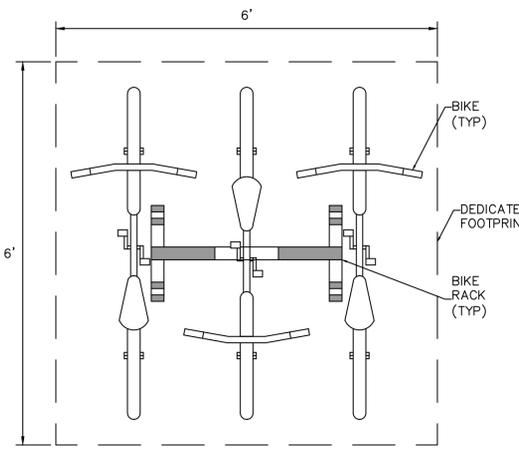


BOLLARD DETAIL

NOT TO SCALE



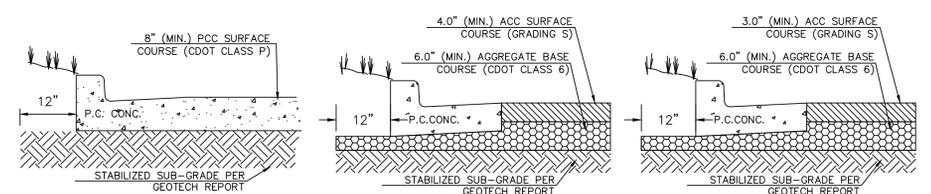
FRONT ELEVATION



PLAN VIEW

DEDICATED FOOTPRINT FOR 3 BIKE RACK

NOT TO SCALE



HEAVY DUTY CONCRETE PAVING

HEAVY DUTY ASPHALT PAVING

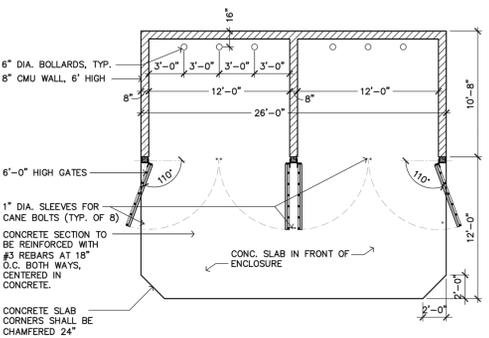
STANDARD DUTY ASPHALT PAVING

PC CONCRETE PAVING

ASPHALT PAVING

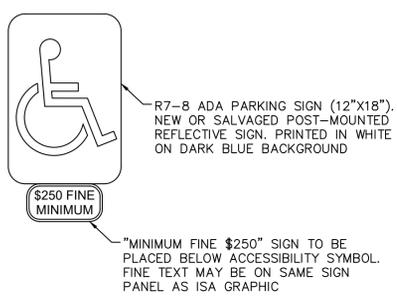
- GENERAL NOTES:**
1. THICKNESSES PROVIDED ARE MINIMUM THICKNESSES PROVIDED FOR BIDDING PURPOSES.
 2. JOINT REINFORCEMENT, IF APPLICABLE, PER CDOT STANDARD DETAIL M-412-1.
 3. THE 28-DAY STRENGTH OF THE PAVEMENT SHALL BE A MINIMUM OF 4500 PSI.
 4. ASPHALT MIX DESIGN PER PIKES PEAK REGION ASPHALT PAVING SPECIFICATIONS.
 5. HEAVY DUTY CONCRETE PAVING REINFORCEMENT, IF NECESSARY, TO BE DETERMINED BY STRUCTURAL ENGINEER.
 6. REFER TO GEOTECHNICAL REPORT BY CTL THOMPSON, INC DATED FEBRUARY 3, 2021 FOR MORE INFORMATION.

PAVING DETAILS
N.T.S.



DETACHED TRASH ENCLOSURE DETAIL

NOT TO SCALE



ADA PARKING SIGN DETAILS

NOT TO SCALE

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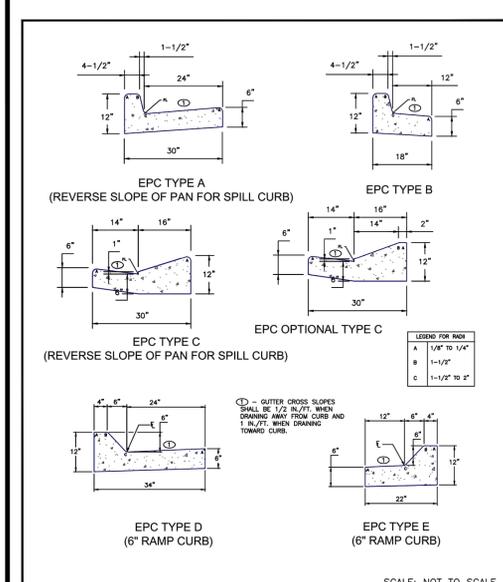
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COLORADO SPRINGS, CO 80903 (719) 453-0180

PROJECT NAME:
DISCOUNT TIRE - FALCON, CO

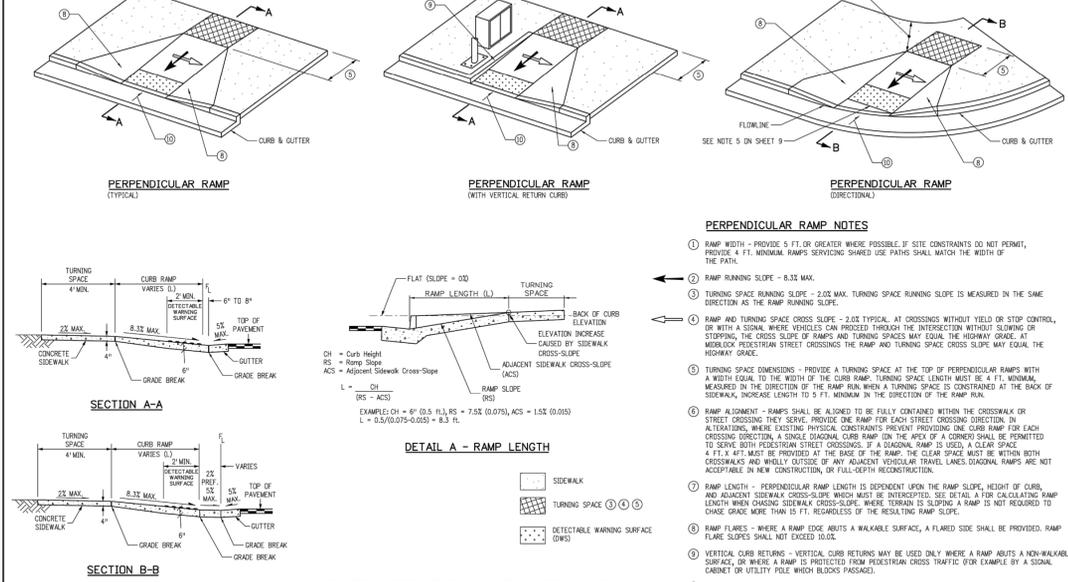
PROJECT ADDRESS:
7585 FALCON MARKETPLACE
PEYTON, CO 80831

PROJECT NUMBER:
096010025
DATE:
08/05/2021
DESIGNED BY:
JWM
REVIEWED BY:
MOH

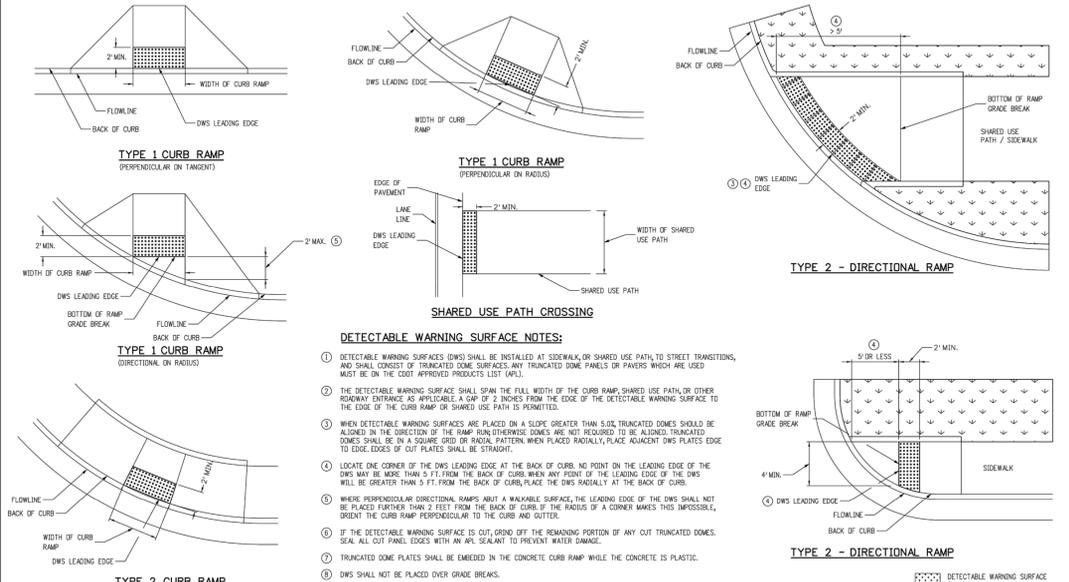
SHEET TITLE:
PRIVATE SITE
DETAILS
SHEET NUMBER:
C6.0



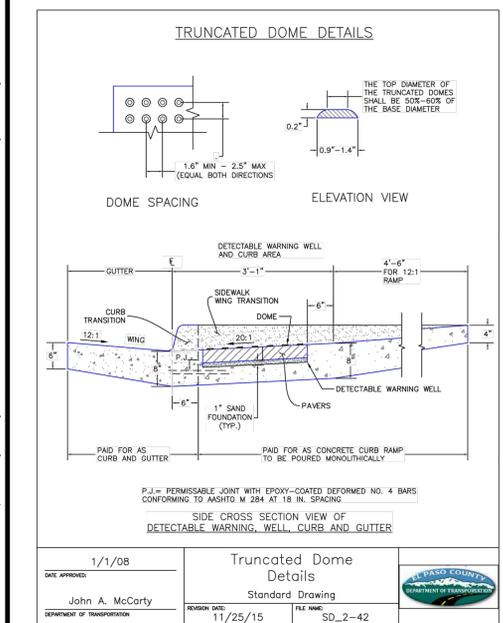
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| DATE APPROVED: 8/11/11 | Typical Curb and Gutter Details Standard Drawing | DESIGNED BY: André P. Brackin | REVISION DATE: 12/8/15 | FILE NAME: SD_2-20 |
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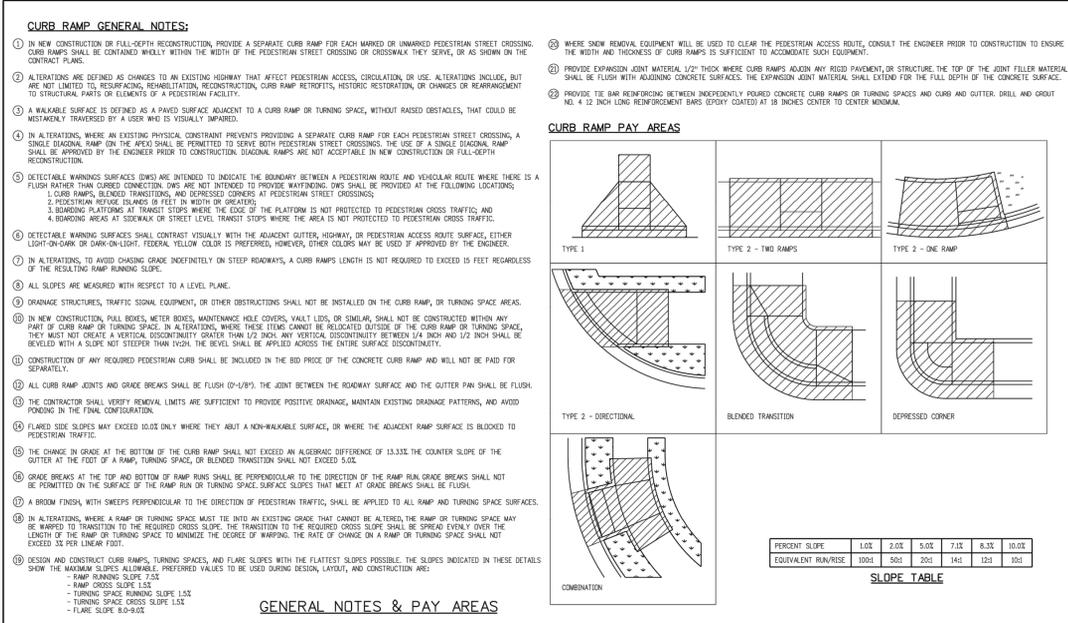
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| Computer File Information | Sheet Revisions | Colorado Department of Transportation | STANDARD PLAN NO. M-608-1 |
| Creation Date: 07/31/19 | Date: [] | 2829 West Howard Place, Suite 100, 3rd Floor, Denver, CO 80204, Phone: 303-757-8021, Fax: 303-757-8068 | Standard Sheet No. 2 of 10 |
| Designer: JPK | Comments: [] | Project Development Branch | Project Sheet Number: [] |



| | | | |
|---------------------------|-----------------|--|----------------------------|
| Computer File Information | Sheet Revisions | Colorado Department of Transportation | STANDARD PLAN NO. M-608-1 |
| Creation Date: 07/31/19 | Date: [] | 2829 West Howard Place, Suite 100, 3rd Floor, Denver, CO 80204, Phone: 303-757-8021, Fax: 303-757-8068 | Standard Sheet No. 9 of 10 |
| Designer: JPK | Comments: [] | Project Development Branch | Project Sheet Number: [] |



| | | | | |
|-----------------------|---|------------------------------|-------------------------|--------------------|
| DATE APPROVED: 1/1/08 | Truncated Dome Details Standard Drawing | DESIGNED BY: John A. McCarty | REVISION DATE: 11/25/15 | FILE NAME: SD_2-42 |
|-----------------------|---|------------------------------|-------------------------|--------------------|



| | | | |
|---------------------------|-----------------|--|----------------------------|
| Computer File Information | Sheet Revisions | Colorado Department of Transportation | STANDARD PLAN NO. M-608-1 |
| Creation Date: 07/31/19 | Date: [] | 2829 West Howard Place, Suite 100, 3rd Floor, Denver, CO 80204, Phone: 303-757-8021, Fax: 303-757-8068 | Standard Sheet No. 1 of 10 |
| Designer: JPK | Comments: [] | Project Development Branch | Project Sheet Number: [] |

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| NO. | REVISION | DATE |
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PROJECT NAME: DISCOUNT TIRE - FALCON, CO
 PROJECT ADDRESS: 7585 FALCON MARKETPLACE PEYTON, CO 80831

PROJECT NUMBER: 096010025
 DATE: 08/05/2021
 DESIGNED BY: JWM
 REVIEWED BY: MOH

SHEET TITLE: STANDARD DETAILS
 SHEET NUMBER: C6.1

K:\005_04\096010025.DWG Falcon 00\000\000\000\000.DWG Aug 04, 2021 3:28pm
 This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of this document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared.

4.2.A Select Bedding

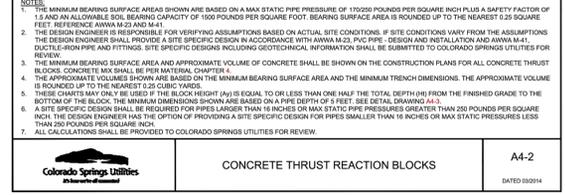
General: The bedding material shall be in accordance with ASTM D2321 Class I, II or III:
 Where the Wastewater Main is laid at slopes less than 1.04% the Wastewater Main shall be bedded and compacted in maximum 6 inch lifts with select bedding. Additionally, bell holes shall be dug and compacted at each joint to minimize sags at joints. Select bedding shall be hard, clean, non corrosive, angular 1/2" crushed rock. Materials derived from recycled concrete will not be allowed. Select bedding shall have the following gradation limits when tested by means of laboratory sieves:

| Sieve Size | Total Percent Passing by Weight |
|------------|---------------------------------|
| 1" | 100 |
| 3/4" | 90-100 |
| 3/8" | 20-55 |
| #4 | 0-10 |
| #200 | 0-5 |

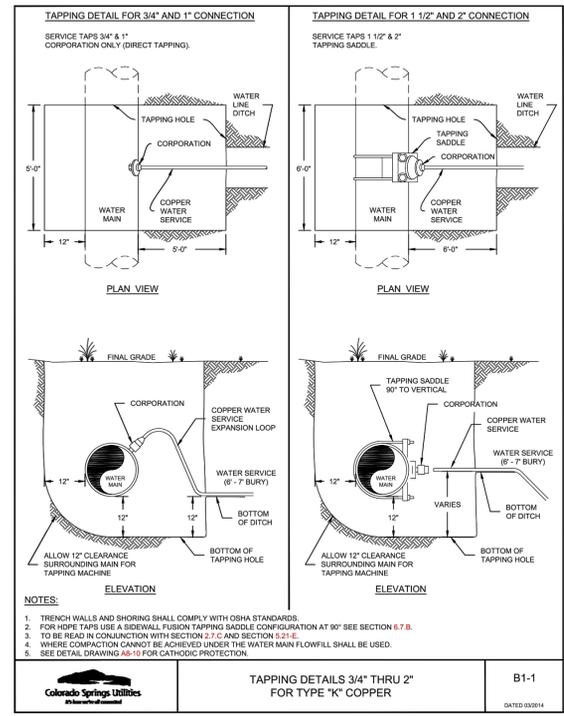
| THRUST BLOCK DIMENSIONS and VOLUMES - PVC & DIP 250 psi | | | | | | | | | |
|---|-----------------|--|--|--|--|--|--------------------------|--------------------------|-----------------------------|
| MAIN SIZE (IN.) | TYPE OF FITTING | MINIMUM BEARING SURFACE AREA (SQ. FT.) | MINIMUM A ₁ /D ₁ | MINIMUM A ₂ /D ₂ | MINIMUM C ₁ /D ₁ | MINIMUM C ₂ /D ₂ | MINIMUM B/D ₁ | MINIMUM B/D ₂ | APPROXIMATE VOLUME (cu ft.) |
| 4 | 11.25" BEND | 1.00 | 1.00 | 1.00 | 0.25 | 0.30 | 2.00 | 0.25 | |
| 4 | 22.5" BEND | 2.00 | 1.41 | 1.41 | 0.21 | 0.30 | 2.00 | 0.25 | |
| 4 | 45" BEND | 3.00 | 1.87 | 1.87 | 0.24 | 0.30 | 2.00 | 0.25 | |
| 4 | TEE & DEAD END | 4.75 | 2.18 | 2.18 | 0.27 | 0.30 | 2.00 | 0.25 | |
| 6 | 11.25" BEND | 2.00 | 1.41 | 1.41 | 0.25 | 0.30 | 2.00 | 0.25 | |
| 6 | 22.5" BEND | 3.75 | 1.84 | 1.84 | 0.28 | 0.30 | 2.00 | 0.25 | |
| 6 | 45" BEND | 7.25 | 2.69 | 2.69 | 0.38 | 0.30 | 2.00 | 0.25 | |
| 6 | TEE & DEAD END | 8.00 | 3.06 | 3.06 | 0.40 | 0.30 | 2.00 | 0.25 | |
| 8 | 11.25" BEND | 3.25 | 1.85 | 1.85 | 0.26 | 0.27 | 2.00 | 0.25 | |
| 8 | 22.5" BEND | 6.50 | 2.55 | 2.55 | 0.40 | 0.27 | 2.00 | 0.25 | |
| 8 | 45" BEND | 12.50 | 3.57 | 3.57 | 0.47 | 0.27 | 2.00 | 0.25 | |
| 8 | TEE & DEAD END | 16.25 | 4.64 | 4.64 | 0.58 | 0.27 | 2.00 | 0.25 | |

| THRUST BLOCK DIMENSIONS and VOLUMES - PVC (Maximum Static Pressure = 170 psi) | | | | | | | | | |
|---|-----------------|--|--|--|--|--|--------------------------|--------------------------|-----------------------------|
| MAIN SIZE (IN.) | TYPE OF FITTING | MINIMUM BEARING SURFACE AREA (SQ. FT.) | MINIMUM A ₁ /D ₁ | MINIMUM A ₂ /D ₂ | MINIMUM C ₁ /D ₁ | MINIMUM C ₂ /D ₂ | MINIMUM B/D ₁ | MINIMUM B/D ₂ | APPROXIMATE VOLUME (cu ft.) |
| 12 | 11.25" BEND | 4.75 | 2.18 | 2.18 | 0.40 | 1.00 | 2.00 | 0.25 | |
| 12 | 22.5" BEND | 9.50 | 3.04 | 3.04 | 0.46 | 1.00 | 2.00 | 0.25 | |
| 12 | 45" BEND | 18.00 | 4.92 | 4.92 | 0.60 | 1.00 | 2.00 | 0.25 | |
| 12 | TEE & DEAD END | 23.50 | 6.42 | 6.42 | 0.66 | 1.00 | 2.48 | 1.00 | |
| 16 | 11.25" BEND | 8.00 | 2.83 | 2.83 | 0.44 | 1.33 | 2.00 | 0.50 | |
| 16 | 22.5" BEND | 16.00 | 4.27 | 4.27 | 0.56 | 1.33 | 2.00 | 0.75 | |
| 16 | 45" BEND | 31.00 | 8.27 | 8.27 | 0.78 | 1.33 | 2.00 | 1.75 | |
| 16 | TEE & DEAD END | 40.50 | 10.80 | 10.80 | 1.00 | 1.33 | 4.44 | 3.00 | |

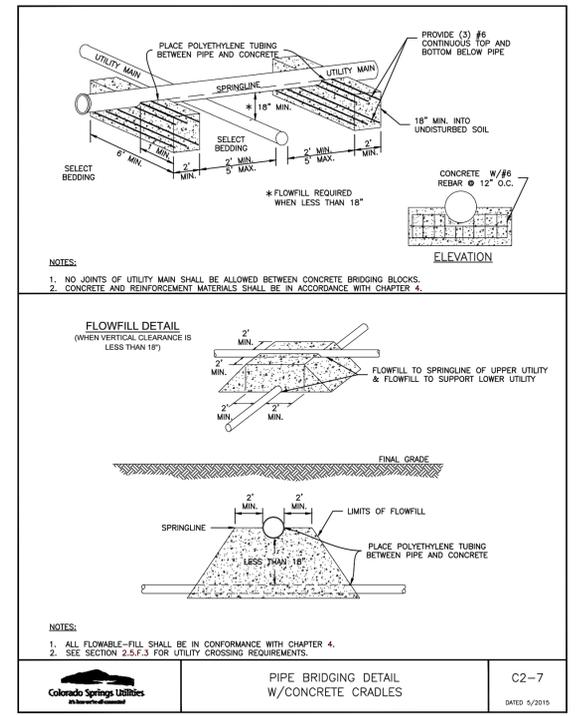
| THRUST BLOCK DIMENSIONS and VOLUMES - DIP (Maximum Static Pressure = 250 psi) | | | | | | | | | |
|---|-----------------|--|--|--|--|--|--------------------------|--------------------------|-----------------------------|
| MAIN SIZE (IN.) | TYPE OF FITTING | MINIMUM BEARING SURFACE AREA (SQ. FT.) | MINIMUM A ₁ /D ₁ | MINIMUM A ₂ /D ₂ | MINIMUM C ₁ /D ₁ | MINIMUM C ₂ /D ₂ | MINIMUM B/D ₁ | MINIMUM B/D ₂ | APPROXIMATE VOLUME (cu ft.) |
| 12 | 11.25" BEND | 6.75 | 2.85 | 2.85 | 0.43 | 1.00 | 2.00 | 0.50 | |
| 12 | 22.5" BEND | 13.50 | 3.69 | 3.69 | 0.56 | 1.00 | 2.00 | 0.50 | |
| 12 | 45" BEND | 26.25 | 7.17 | 7.17 | 0.80 | 1.00 | 2.00 | 1.00 | |
| 12 | TEE & DEAD END | 34.25 | 9.36 | 9.36 | 1.00 | 1.00 | 3.00 | 2.25 | |
| 16 | 11.25" BEND | 11.75 | 3.43 | 3.43 | 0.44 | 1.33 | 2.00 | 0.80 | |
| 16 | 22.5" BEND | 23.25 | 4.20 | 4.20 | 0.56 | 1.33 | 2.77 | 1.00 | |
| 16 | 45" BEND | 45.50 | 10.13 | 10.13 | 0.78 | 1.33 | 3.00 | 4.00 | |
| 16 | TEE & DEAD END | 59.00 | 13.87 | 13.87 | 1.00 | 1.33 | 6.00 | 6.00 | |



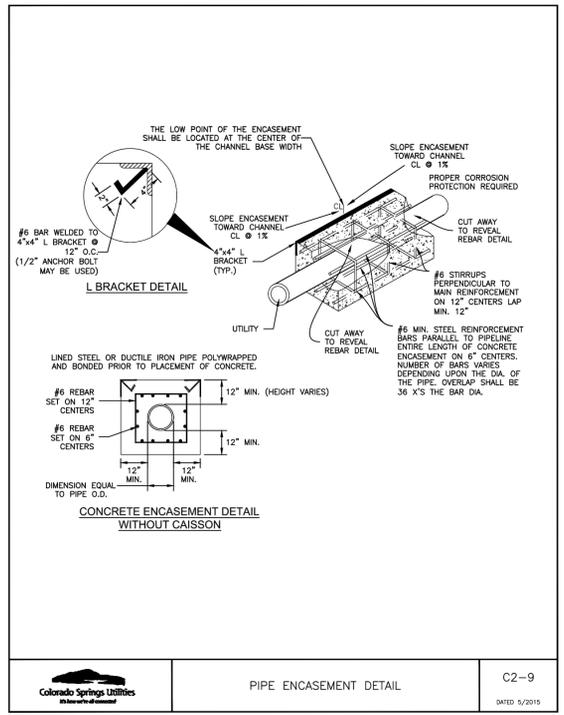
CONCRETE THRUST REACTION BLOCKS A4-2
 Colorado Springs Utilities
 DATED 03/2014



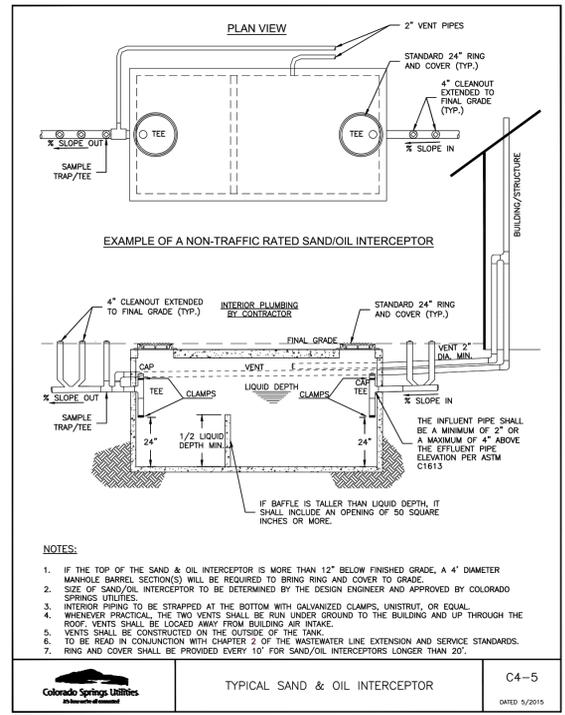
TAPPING DETAILS 3/4" THRU 2" FOR TYPE "K" COPPER B1-1
 Colorado Springs Utilities
 DATED 03/2014



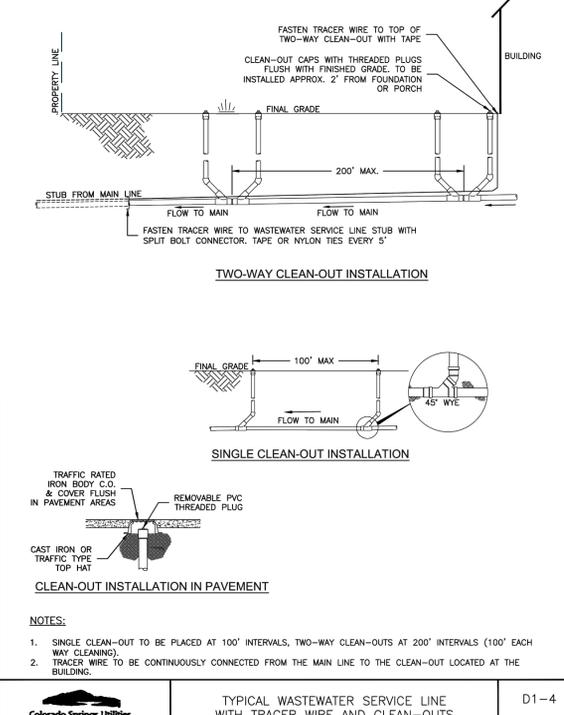
PIPE BRIDGING DETAIL W/CONCRETE CRADLES C2-7
 Colorado Springs Utilities
 DATED 5/2015



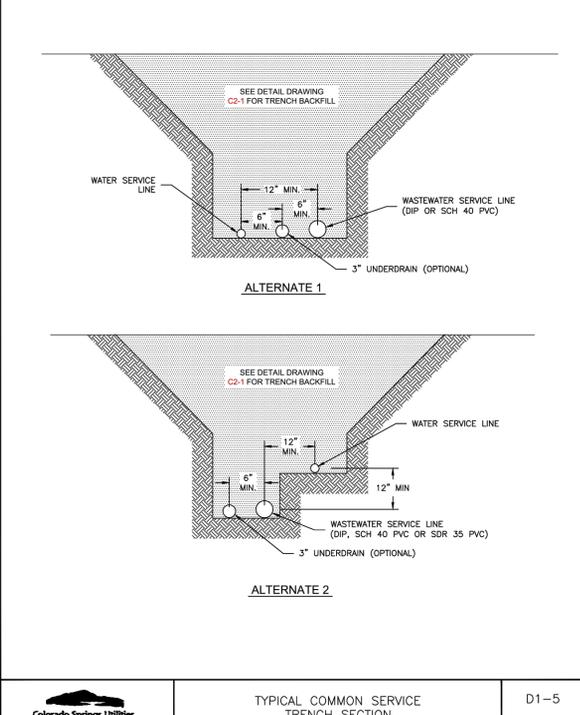
PIPE ENCASEMENT DETAIL C2-9
 Colorado Springs Utilities
 DATED 5/2010



TYPICAL SAND & OIL INTERCEPTOR C4-5
 Colorado Springs Utilities
 DATED 5/2010



TYPICAL WASTEWATER SERVICE LINE WITH TRACER WIRE AND CLEAN-OUTS D1-4
 Colorado Springs Utilities
 DATED 5/2015



TYPICAL COMMON SECTION TRENCH SECTION D1-5
 Colorado Springs Utilities
 DATED 5/2015

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 REVIEWED BY:
 MOH

SHEET TITLE:
 STANDARD DETAILS
 SHEET NUMBER:
 C6.2

