

BARBARICK RECYCLING AND REFUSE TRANSFER STATION

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M.
CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO

CONSTRUCTION DOCUMENTS
APRIL 2024

OWNER/DEVELOPER'S STATEMENT

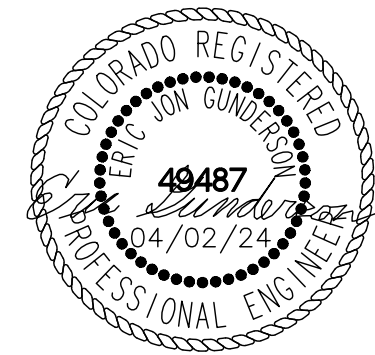
I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

Richard A. Graham, Jr. 04/03/2024
OWNER/DEVELOPER SIGNATURE DATE

RICHARD A. GRAHAM, JR.
VOLLMER ROAD PARTNERS, LLLP
6035 ERIN PARK DR., SUITE 101
COLORADO SPRINGS CO 80918

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.



Eric Gunderson 04/02/24
ERIC GUNDERSON, PE (CO #49487) - KIMLEY-HORN AND ASSOCIATES, INC. DATE

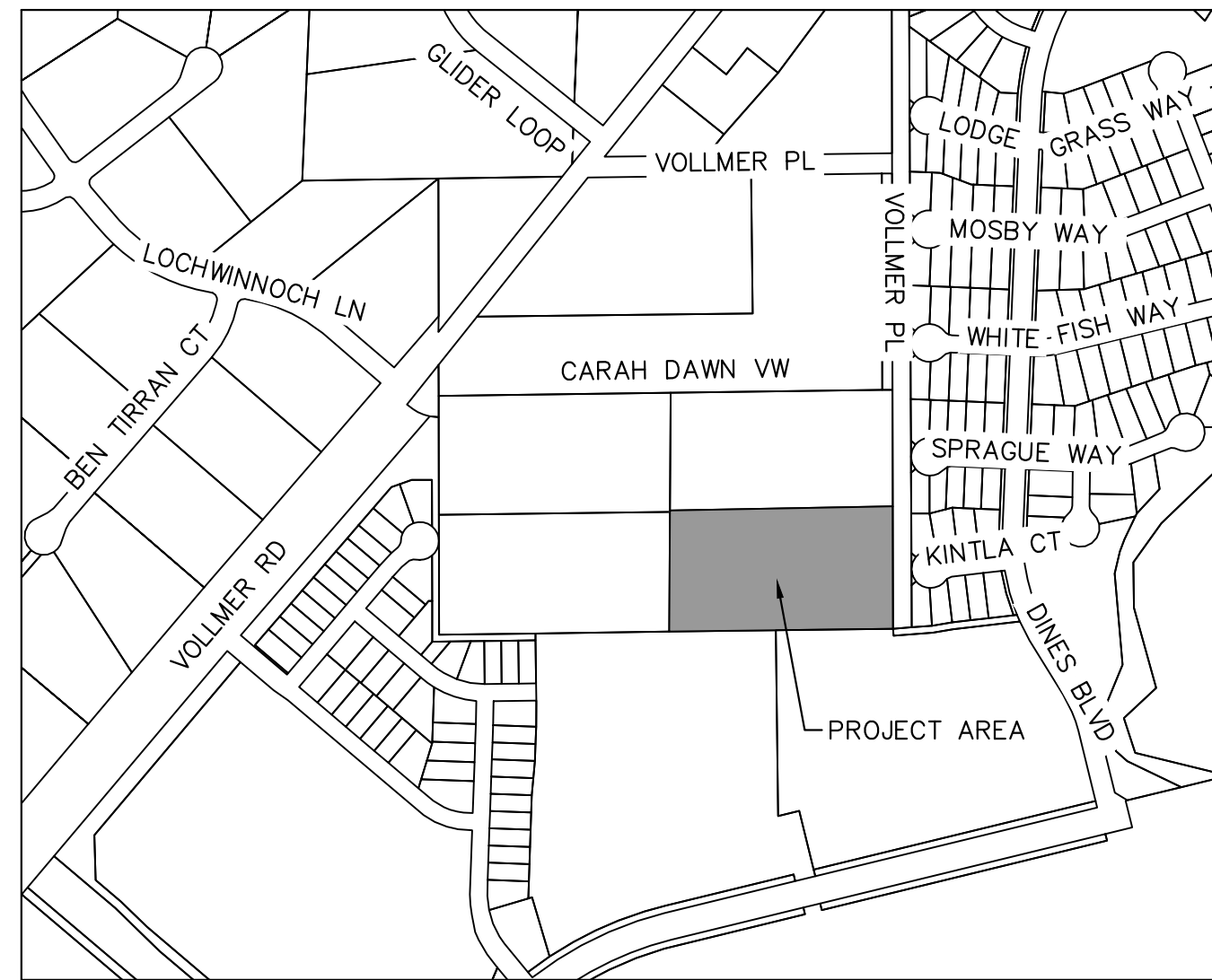
EL PASO COUNTY REVIEW STATEMENT

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

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

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

JOSHUA PALMER, PE COUNTY ENGINEER/ECM ADMINISTRATOR DATE



VICINITY MAP
SCALE: 1"=500'

SHEET INDEX

SHEET NO.	SHEET TITLE
C0.0	COVER SHEET
C1.0	DEMOLITION PLAN
C1.1	OVERALL SITE PLAN
C1.2	SITE PLAN INSETS
C2.0	OVERALL GRADING PLAN
C2.1	DETAILED GRADING PLAN
C2.2	DETAILED GRADING PLAN
C3.0	OVERALL STORM PLAN
C3.1	STORM PLAN & PROFILE
C3.2	STORM PLAN & PROFILE
C3.3	STORM PLAN & PROFILE
C3.4	DRAIN PLAN
C4.0	UTILITY PLAN
C5.0	SIGNAGE & STRIPING PLAN
C5.1	SIGNAGE & STRIPING DETAILS
C6.0	CONSTRUCTION DETAILS
C6.1	CONSTRUCTION DETAILS
C6.2	POND DETAILS
C6.3	SCALE DETAIL
L7.0	LANDSCAPE PLAN
L7.1	LANDSCAPE NOTES
L7.2	LANDSCAPE DETAILS

LEGAL DESCRIPTION

PARCEL A:
LOT 4, AMENDED PLAT OF BARBARICK SUBDIVISION, COUNTY OF EL PASO, STATE OF COLORADO.

CONTAINING 5.290 ACRES (230,442 S.F.), MORE OR LESS.

PARCEL B:
A NON-EXCLUSIVE INGRESS AND EGRESS EASEMENT AS SET FORTH AND DESCRIBED IN DECLARATION AND BYLAWS OF BARBARICK SUBDIVISION PROPERTY OWNERS ASSOCIATES, INC., RECORDED FEBRUARY 12, 2008 UNDER RECEPTION NO. 208016289 AS AMENDED BY INSTRUMENT RECORDED MARCH 10, 2008 UNDER RECEPTION NO. 208028000.

LEASED PARCEL: 3.297 ACRES

BENCHMARK

4' DIAMETER PRECAST CONCRETE STORM SEWER MANHOLE RIM LOCATED IN THE SOUTHEASTERLY PORTION OF THE PROPERTY; ELEVATION = 7027.34 "NGVD 1929 AND THE 1960 SUPPLEMENTARY ADJUSTMENT" DATUM.

FEMA CLASSIFICATION

THIS PROPERTY IS LOCATED WITHIN THE ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP NO. 08041C0533G, EFFECTIVE DATE DECEMBER 7, 2018.

CONTACTS

OWNER:
BRIAN BELAND, BR 8812 CLIFF ALLEN POINT LLC
PO BOX 88120
COLORADO SPRINGS CO 80908-8120
TEL: (719) 499-0208
CONTACT: BRIAN BELAND

APPLICANT:
RICHARD A. GRAHAM, JR.
VOLLMER ROAD PARTNERS, LLLP
6035 ERIN PARK DR., SUITE 101
COLORADO SPRINGS CO 80918
TEL: (719) 499-0208
CONTACT: RICHARD GRAHAM JR

EL PASO COUNTY:
EL PASO COUNTY
POD DEPARTMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80910
PHONE: (719) 520-6300

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 900
COLORADO SPRINGS, CO 80903
TEL: (719) 453-0182
CONTACT: ERIC GUNDERSON, P.E.

ARCHITECT:
BUCHER DESIGN STUDIO, INC.
12325 ORACLE BLVD, SUITE 101
COLORADO SPRINGS, CO 80921
(719) 484-0480
CONTACT: JASON SHOUDIS

LANDSCAPE ARCHITECT:
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 900
COLORADO SPRINGS, CO 80903
(719) 284-7280
CONTACT: JIM HOUK

SURVEYOR:
LAND DEVELOPMENT CONSULTANTS, INC.
3898 MAIZELAND ROAD
COLORADO SPRINGS, CO 80909
TEL: (719) 528-6133
CONTACT: DAVID V. HOSTETLER



PROJECT NO.
196489000

SHEET

C0.0

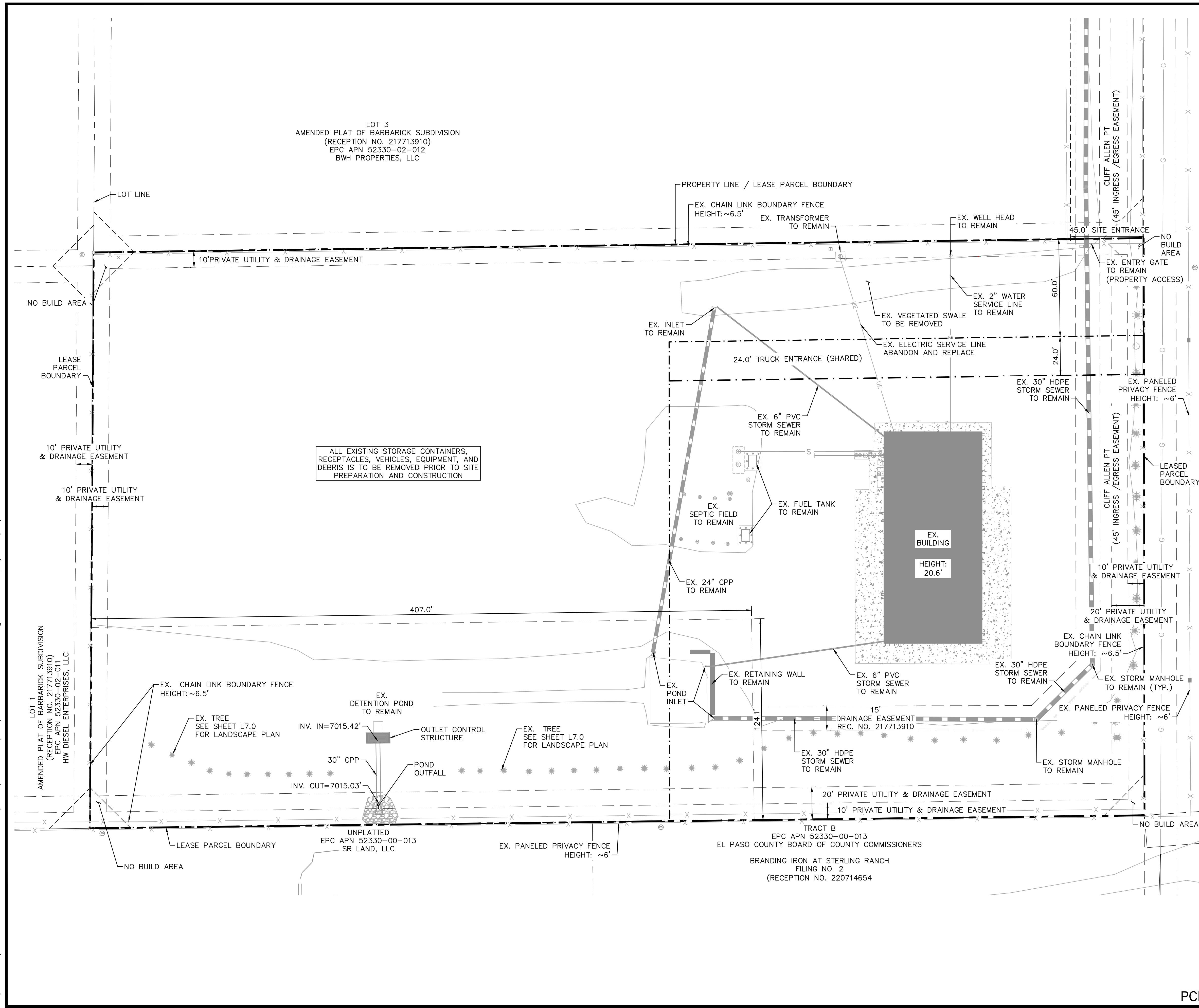
BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
COVER SHEET

Kimley-Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: EJG
DRAWN BY: RES
CHECKED BY: EJG
DATE: 4/2/2024

PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\CD_DEMO_196489000.dwg Schmelbach, Ryan 4/12/2024 10:40 AM



ALL EXISTING STORAGE CONTAINERS, RECEPTACLES, VEHICLES, EQUIPMENT, AND DEBRIS IS TO BE REMOVED PRIOR TO SITE PREPARATION AND CONSTRUCTION

LEGEND

- PROPERTY LINE
- - - LEASED PARCEL BOUNDARY
- - - EX. UTILITY & DRAINAGE EASEMENT
- X EX. FENCE
- EX. STORM SEWER
- G EX. GAS MAIN
- EX. VEGETATION
- ⊗ EX. TRANSFORMER

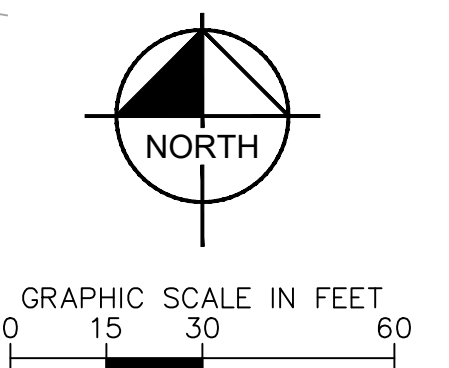
NOTES

1. SITE PREPARATION SHALL TAKE PLACE PER THE GEOTECHNICAL SUBSURFACE SOIL INVESTIGATION, BY RMG - ROCKY MOUNTAIN GROUP, DATED OCTOBER 23, 2023.

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E.J.G.
 DRAWN BY: RES
 CHECKED BY: E.J.G.
 DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 DEMOLITION PLAN



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

CALL UTILITY NOTIFICATION
 CENTER OF COLORADO
 1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES.

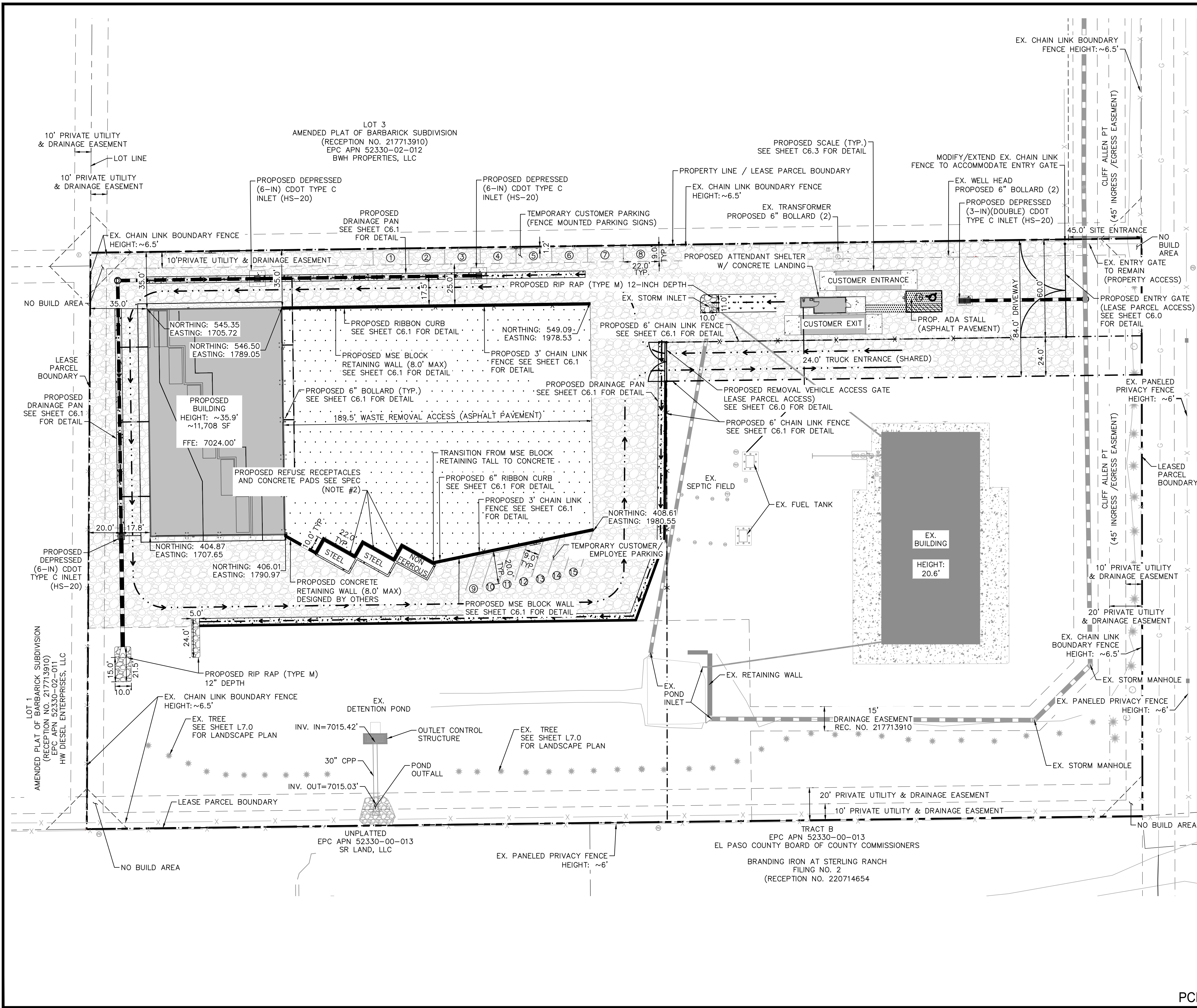


PROJECT NO.
 196489000

SHEET
C1.0

PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\DP_SP-196489000.dwg Schmelbach, Ryan 4/12/2024 10:40 AM



LEGEND

- PROPERTY LINE
- - - LEASED PARCEL BOUNDARY
- - - EX. UTILITY & DRAINAGE EASEMENT
- PROPOSED TRUCK TRAFFIC FLOW
- X EX. FENCE
- EX. STORM SEWER
- G EX. GAS MAIN
- EX. VEGETATION
- ⊕ EX. TRANSFORMER
- X PROPOSED CHAIN LINK FENCE
- ▨ PROPOSED ASPHALT
- ▩ PROPOSED CONCRETE
- ▧ PROPOSED 10" COMPACTED ROAD BASE
- ⊙ PROPOSED PARKING

SPECIFICATIONS

1. ALL CONCRETE FLATWORK AND SCALE FOUNDATIONS SHOULD BE IN ACCORDANCE WITH CDOT CLASS D CONCRETE PER TABLE 601-1 OF SECTION 601 OF THE 2022 CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. CONCRETE RECEPTACLE PADS TO BE 8" REINFORCED CDOT CLASS D CONCRETE W/ #4 BARS @ 18" O.C.E.W.
3. PAVEMENT DESIGN PENDING GEOTECHNICAL RECOMMENDATION
4. ALL DRIVABLE SURFACES NOT SPECIFIED AS CONCRETE OR ASPHALT PAVEMENT ARE TO BE 10" COMPACTED ROAD BASE (CDOT CLASS 5 OR APPROVED EQUIVALENT)

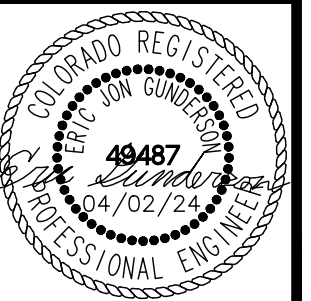
NOTES

- * SEE SHEET C1.2 FOR DETAILED SITE PLAN INSETS.

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E.J.G.
DRAWN BY: RES
CHECKED BY: E.J.G.
DATE: 4/2/2024

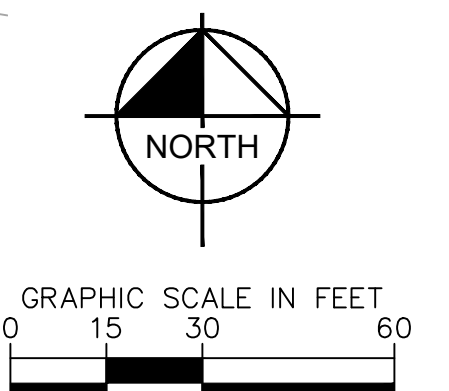
BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
OVERALL SITE PLAN



PROJECT NO.
196489000

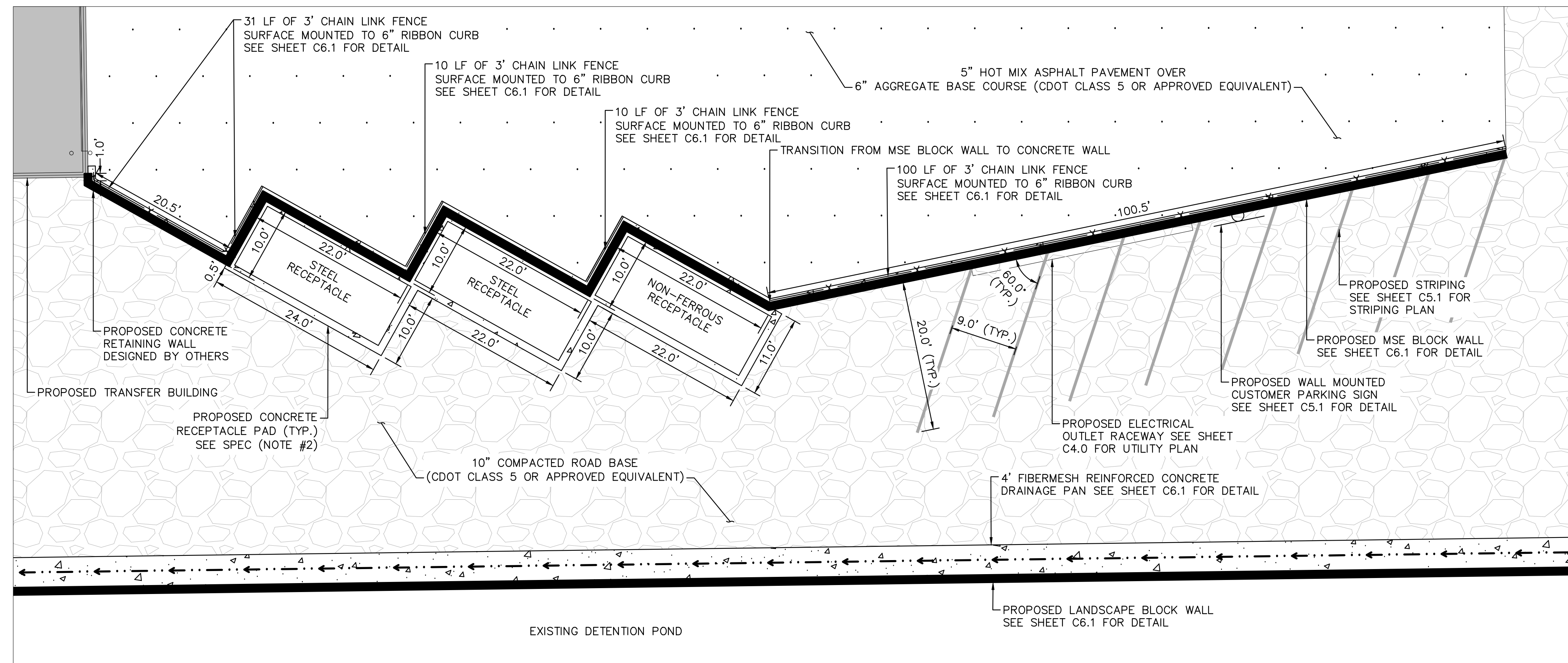
SHEET

C1.1



PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\DP_SP-INSET-196489000.dwg Schmelbach, Ryan 4/12/2024 10:41 AM

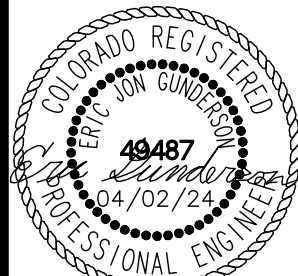
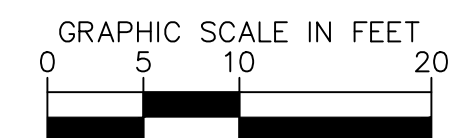
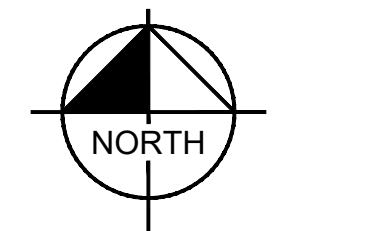
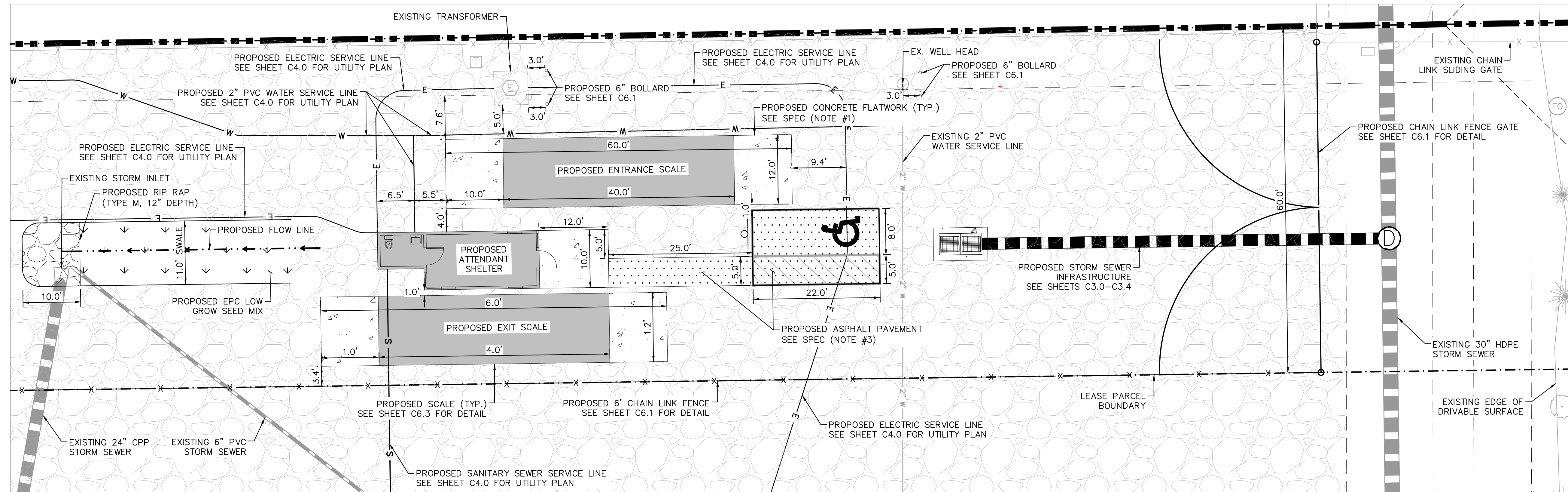


LEGEND

- — — — — PROPERTY LINE
- - - - - LEASED PARCEL BOUNDARY
- - - - - EX. UTILITY & DRAINAGE EASEMENT
- → → → → PROPOSED TRUCK TRAFFIC FLOW
- - - - - EX. FENCE
- - - - - EX. STORM SEWER
- - - - - EX. GAS MAIN
- ○ ○ ○ ○ EX. VEGETATION
- ⊕ ⊕ ⊕ ⊕ ⊕ EX. TRANSFORMER
- - - - - PROPOSED CHAIN LINK FENCE
- ▭ ▭ ▭ ▭ ▭ PROPOSED ASPHALT
- ▭ ▭ ▭ ▭ ▭ PROPOSED CONCRETE
- ▭ ▭ ▭ ▭ ▭ PROPOSED 10" COMPACTED ROAD BASE
- ⊕ ⊕ ⊕ ⊕ ⊕ PROPOSED PARKING

SPECIFICATIONS

1. ALL CONCRETE FLATWORK AND SCALE FOUNDATIONS SHOULD BE IN ACCORDANCE WITH CDOT CLASS D CONCRETE PER TABLE 601-1 OF SECTION 601 OF THE 2022 CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. CONCRETE RECEPTACLE PADS TO BE 8" REINFORCED CDOT CLASS D CONCRETE (OR APPROVED EQUIVALENT) W/ #4 BARS @ 18" O.C.E.W.
3. PAVEMENT DESIGN PENDING GEOTECHNICAL RECOMMENDATION
4. ALL DRIVABLE SURFACES NOT SPECIFIED AS CONCRETE OR ASPHALT PAVEMENT ARE TO BE 10" COMPACTED ROAD BASE (CDOT CLASS 5 OR APPROVED EQUIVALENT)



PROJECT NO. 196489000

SHEET

C1.2

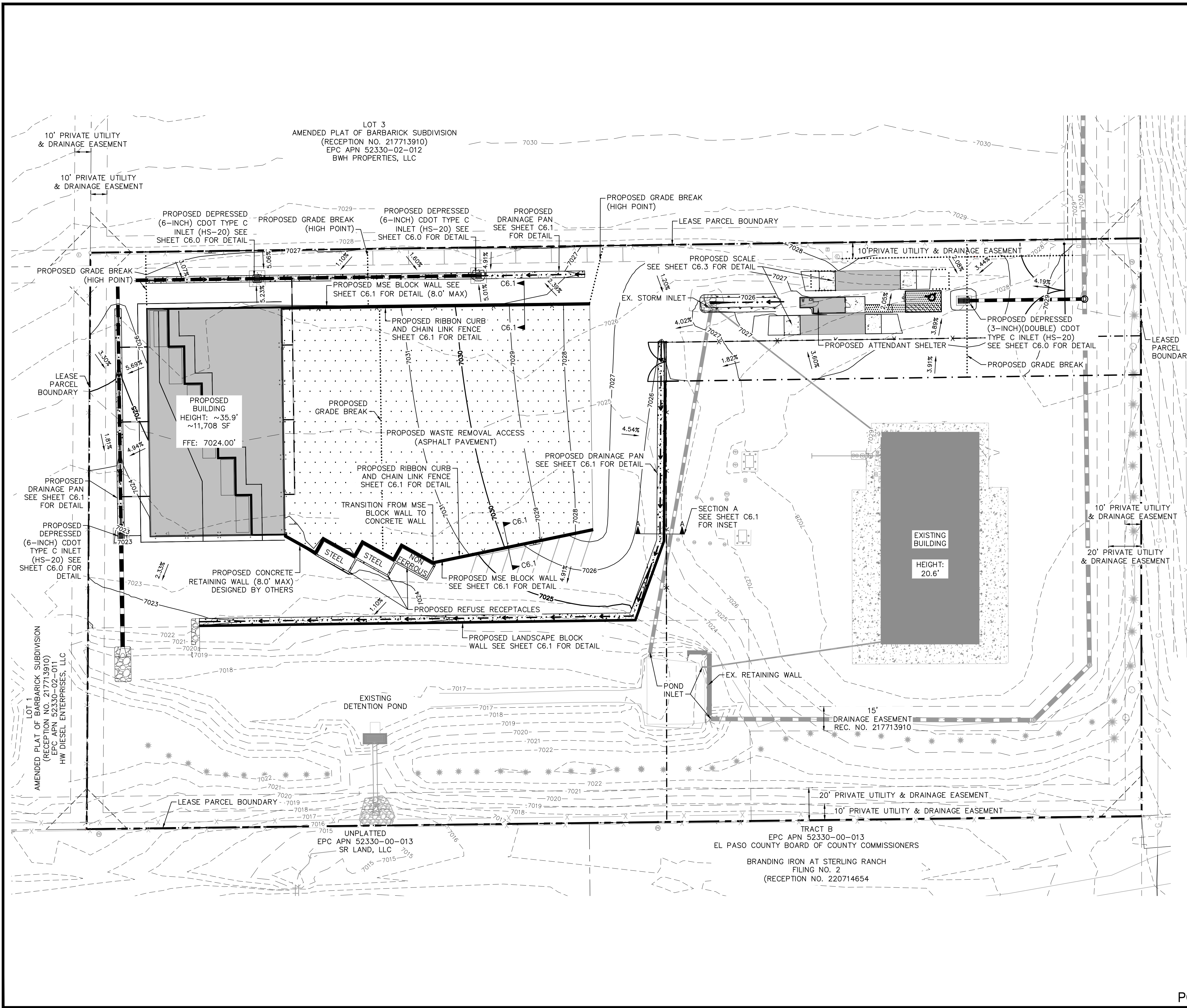
Kimley-Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E.JG
 DRAWN BY: RES
 CHECKED BY: E.JG
 DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 SITE PLAN INSETS

PCD FILE NO. COM2346

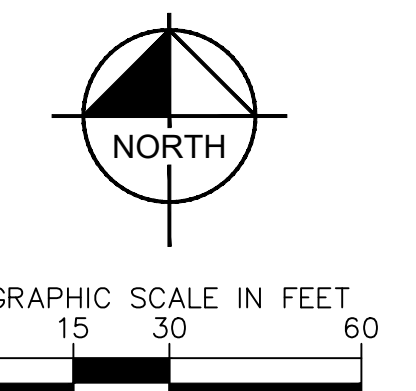
K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDs\CD_OVR_CD-196489000.dwg Schmelbach, Ryan 4/12/2024 10:41 AM



LEGEND

	PROPERTY LINE
	LEASED PARCEL BOUNDARY
	EXISTING UTILITY & DRAINAGE EASEMENT
	EXISTING FENCE
	EXISTING STORM SEWER
	EXISTING GAS MAIN
	EXISTING VEGETATION
	EXISTING TRANSFORMER
	PROPOSED STORM INLET
	PROPOSED ASPHALT
	PROPOSED CONCRETE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED FLOW LINE
	GRADE BREAK LINE
	FINISHED GRADE
	MATCH EXISTING
	FINISHED FLOOR ELEVATION
	LOW POINT
	HIGH POINT
	TOP OF WALL
	BOTTOM OF WALL
	TOP OF SLAB (SCALE)

- NOTES**
- PRIVATE CURB RAMPS ON THE SITE SHALL CONFORM TO ADA STANDARDS
 - ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION
 - BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA) EXISTING TO AND FROM THE PROPOSED ATTENDANT SHELTER TO THE ACCESSIBLE PARKING SPACE.
 - ACCESSIBLE RAMP SLOPES SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL
 - ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0% SLOW IN ANY DIRECTION
 - CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER OF RECORD PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.



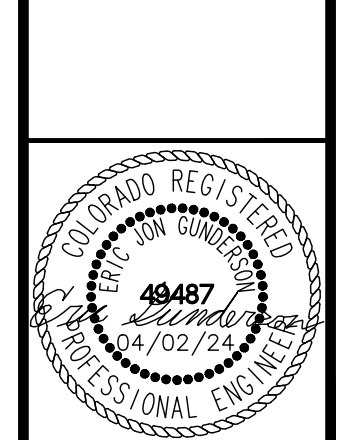
811 Know what's below. Call before you dig.

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E:JG
DRAWN BY: RES
CHECKED BY: E:JG
DATE: 4/2/2024

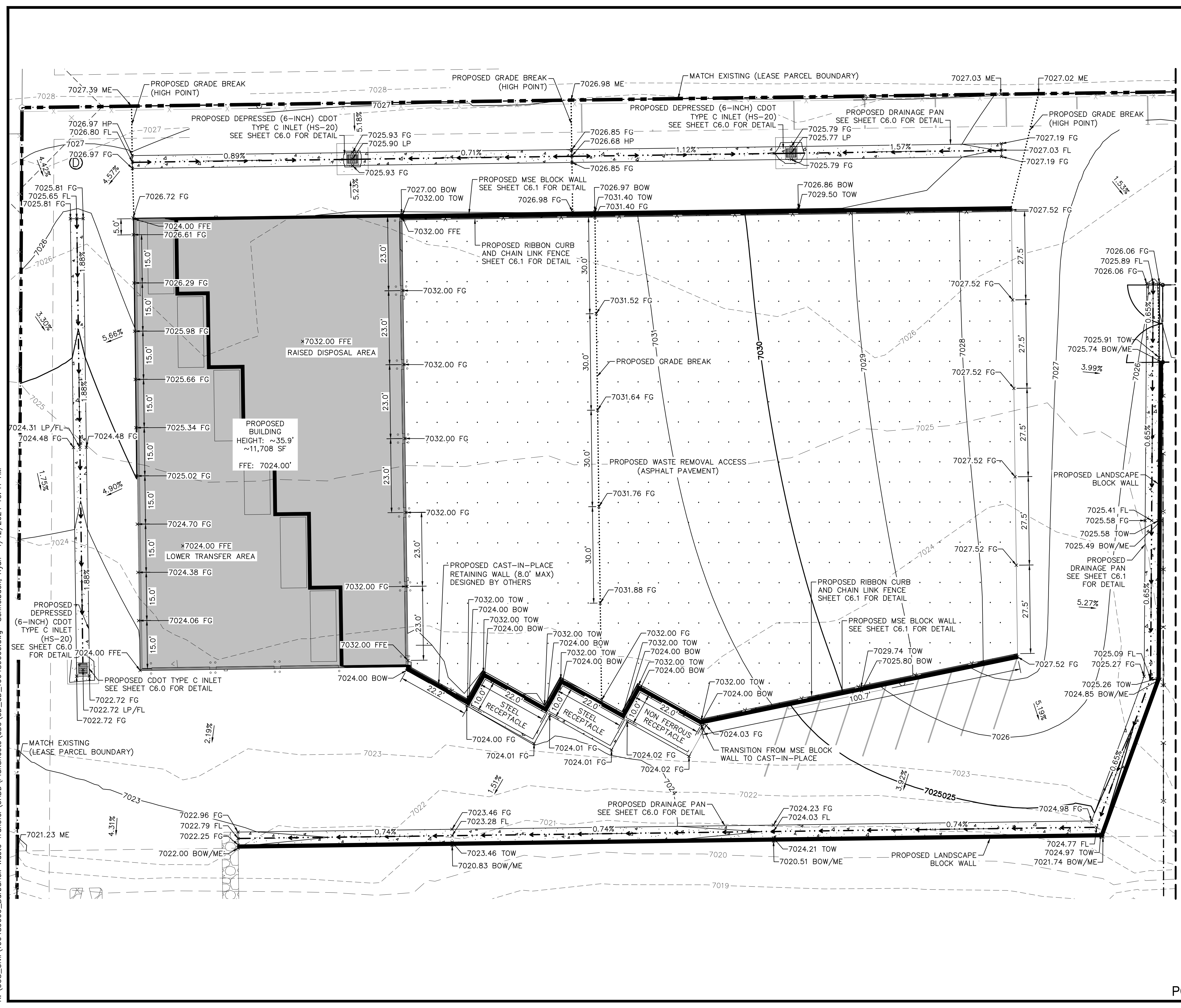
BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
OVERALL GRADING PLAN



PROJECT NO. 196489000
SHEET
C2.0

PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\CD_CD_196489000.dwg Schmelbach, Ryan 4/12/2024 10:41 AM



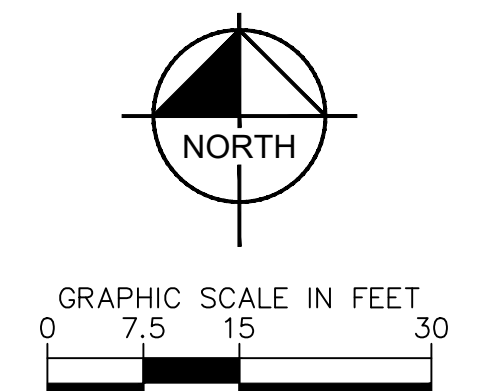
LEGEND

- PROPERTY LINE
- - - - - LEASED PARCEL BOUNDARY
- - - - - EXISTING UTILITY & DRAINAGE EASEMENT
- - - - - EXISTING FENCE
- - - - - EXISTING STORM SEWER
- - - - - EXISTING GAS MAIN
- * EXISTING VEGETATION
- ⊙ EXISTING TRANSFORMER
- PROPOSED STORM INLET
- ▭ PROPOSED ASPHALT
- ▭ PROPOSED CONCRETE
- - - - - 70XX EXISTING MAJOR CONTOUR
- - - - - 70XX EXISTING MINOR CONTOUR
- 70XX PROPOSED MAJOR CONTOUR
- - - - - 70XX PROPOSED MINOR CONTOUR
- - - - - PROPOSED FLOW LINE
- - - - - GRADE BREAK LINE
- FG FINISHED GRADE
- ME MATCH EXISTING
- FFE FINISHED FLOOR ELEVATION
- LP LOW POINT
- HP HIGH POINT
- TOW TOP OF WALL
- BOW BOTTOM OF WALL
- SLAB TOP OF SLAB

NOTES

1. PRIVATE CURB RAMPS ON THE SITE SHALL CONFORM TO ADA STANDARDS
2. ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION
3. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA) EXISTING TO AND FROM THE PROPOSED ATTENDANT SHELTER TO THE ACCESSIBLE PARKING SPACE.
4. ACCESSIBLE RAMP SLOPES SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL
5. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0% SLOW IN ANY DIRECTION
6. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER OF RECORD PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.

MATCHLINE - SEE SHEET C2.2



DESIGNED BY: E.J.G.
DRAWN BY: RES
CHECKED BY: E.J.G.
DATE: 4/2/2024

**BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
DETAILED GRADING PLAN**



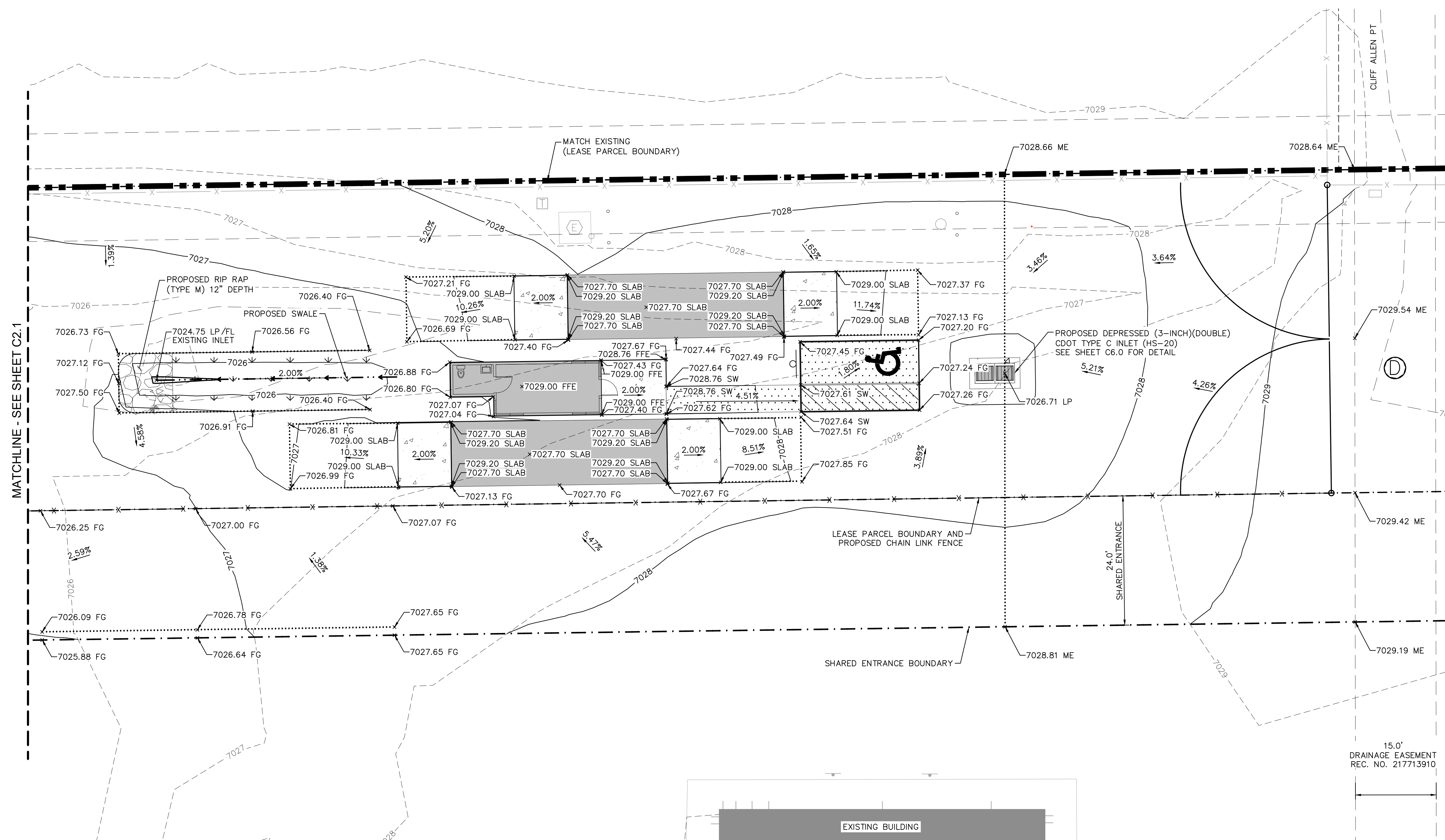
PROJECT NO.
196489000

SHEET

C2.1

PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDs\CD_196489000.dwg Schmelbach, Ryan 4/12/2024 10:41 AM



MATCHLINE - SEE SHEET C2.1

LEGEND

- — — — — PROPERTY LINE
- . - . - . - LEASED PARCEL BOUNDARY
- - - - - EXISTING UTILITY & DRAINAGE EASEMENT
- X — — — — — EXISTING FENCE
- — — — — EXISTING STORM SEWER
- G — — — — — EXISTING GAS MAIN
- * — — — — — EXISTING VEGETATION
- ⊕ — — — — — EXISTING TRANSFORMER
- — — — — — PROPOSED STORM INLET

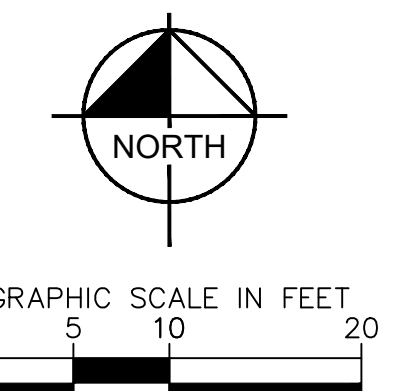
- ▨ — — — — — PROPOSED ASPHALT
- ▩ — — — — — PROPOSED CONCRETE
- - - - - 70XX — — — — — EXISTING MAJOR CONTOUR
- - - - - 70XX — — — — — EXISTING MINOR CONTOUR
- — — — — 70XX — — — — — PROPOSED MAJOR CONTOUR
- — — — — 70XX — — — — — PROPOSED MINOR CONTOUR
- — — — — PROPOSED FLOW LINE
- GRADE BREAK LINE

ABBREVIATIONS

- FG FINISHED GRADE
- ME MATCH EXISTING
- FFE FINISHED FLOOR ELEVATION
- LP LOW POINT
- HP HIGH POINT
- TOW TOP OF WALL
- BOW BOTTOM OF WALL
- SLAB TOP OF SLAB

NOTES

1. PRIVATE CURB RAMPS ON THE SITE SHALL CONFORM TO ADA STANDARDS
2. ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION
3. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA) EXISTING TO AND FROM THE PROPOSED ATTENDANT SHELTER TO THE ACCESSIBLE PARKING SPACE.
4. ACCESSIBLE RAMP SLOPES SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL
5. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0% SLOW IN ANY DIRECTION
6. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER OF RECORD PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.



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

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

PCD FILE NO. COM2346

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E.JG
 DRAWN BY: RES
 CHECKED BY: E.JG
 DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
DETAILED GRADING PLAN

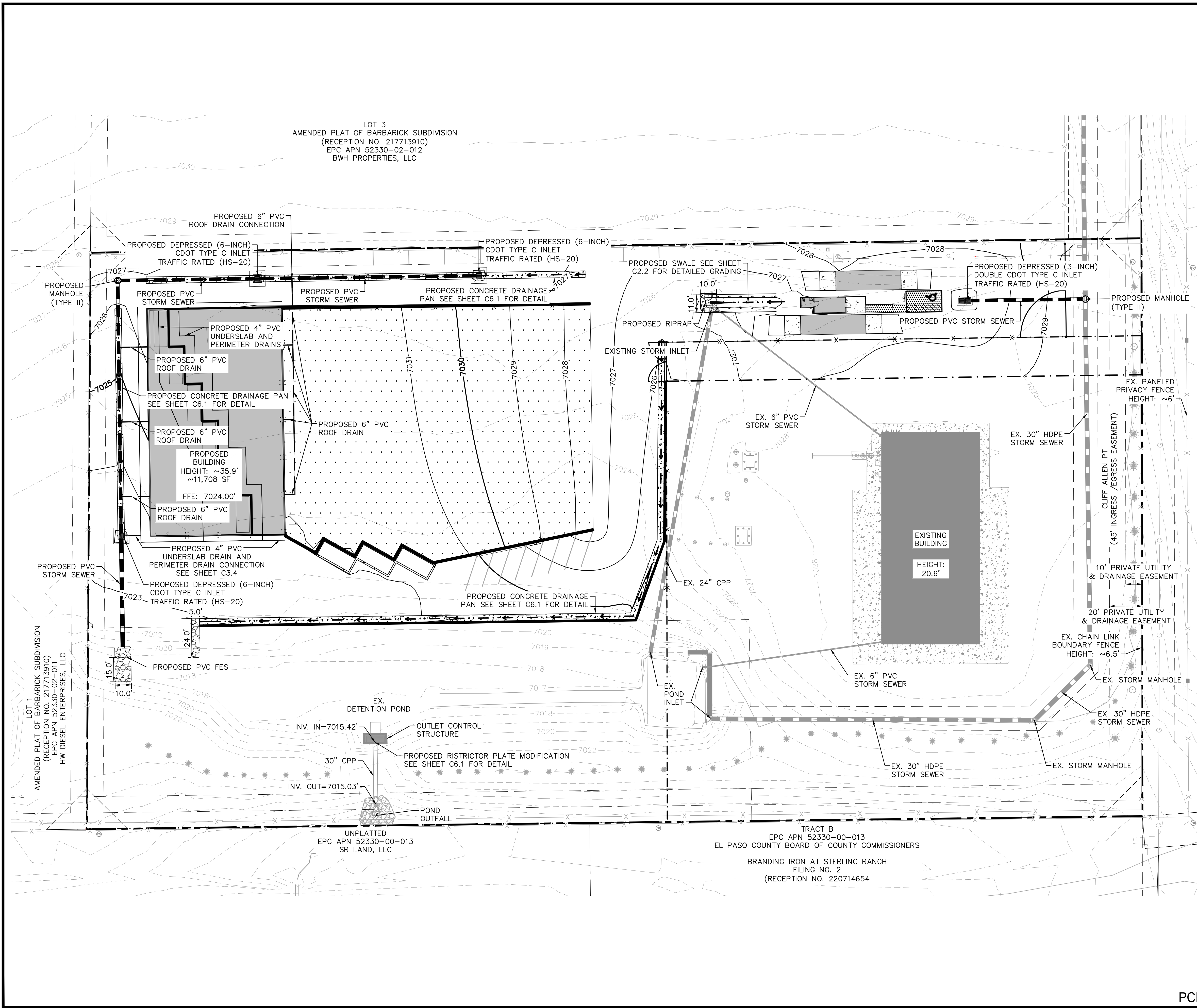


PROJECT NO.
196489000

SHEET

C2.2

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS_CD_OVR_STRM_196489000.dwg Schmelbach, Ryan 4/12/2024 10:41 AM



LOT 3
AMENDED PLAT OF BARBARICK SUBDIVISION
(RECEPTION NO. 217713910)
EPC APN 52330-02-012
BWH PROPERTIES, LLC

LOT 1
AMENDED PLAT OF BARBARICK SUBDIVISION
(RECEPTION NO. 217713910)
EPC APN 52330-02-011
HW DIESEL ENTERPRISES, LLC

UNPLATTED
EPC APN 52330-00-013
SR LAND, LLC

TRACT B
EPC APN 52330-00-013
EL PASO COUNTY BOARD OF COUNTY COMMISSIONERS
BRANDING IRON AT STERLING RANCH
FILING NO. 2
(RECEPTION NO. 220714654)

LEGEND

- PROPERTY LINE
- - - LEASED PARCEL BOUNDARY
- - - EXISTING UTILITY & DRAINAGE EASEMENT
- X EXISTING FENCE
- EXISTING STORM SEWER
- EXISTING GAS MAIN
- EXISTING VEGETATION
- ⊙ EXISTING TRANSFORMER
- - - PROPOSED FLOW LINE
- PROPOSED STORM SEWER
- PROPOSED PERIMETER/UNDERSLAB DRAIN
- PROPOSED STORM INLET
- PROPOSED ASPHALT
- PROPOSED CONCRETE

NOTES

1. SEE SHEETS C3.1 - C3.3 FOR DETAILED STORM PLAN AND PROFILES
2. SEE SHEET C3.4 FOR DETAILED DRAIN PLAN
3. SEE SHEET C6.0 FOR INLET AND MANHOLE DETAILS
4. SEE SHEET C6.1 FOR CONCRETE DRAINAGE PAN DETAIL
5. ALL PROPOSED STORMWATER INFRASTRUCTURE DEPICTED ON THESE PLANS IS TO BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED

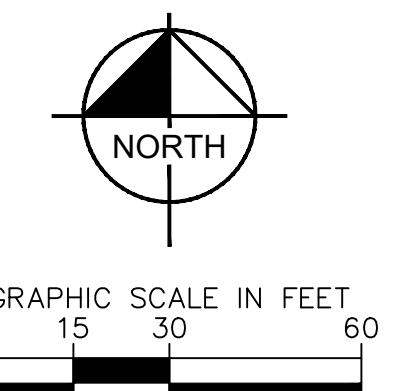
CAUTION NOTE

1. CONTRACTOR SHALL MAINTAIN 1.5' OF VERTICAL SEPARATION AT ALL WET UTILITY CROSSINGS.
2. CONTRACTOR SHALL MAINTAIN 1.0' OF VERTICAL SEPARATION AT ALL DRY UTILITY CROSSINGS.

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: EJK
DRAWN BY: RES
CHECKED BY: EJK
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
OVERALL STORM PLAN



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

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

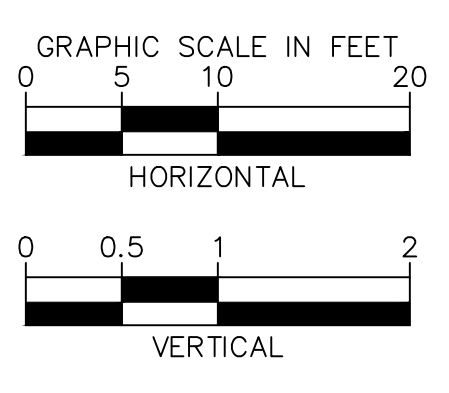
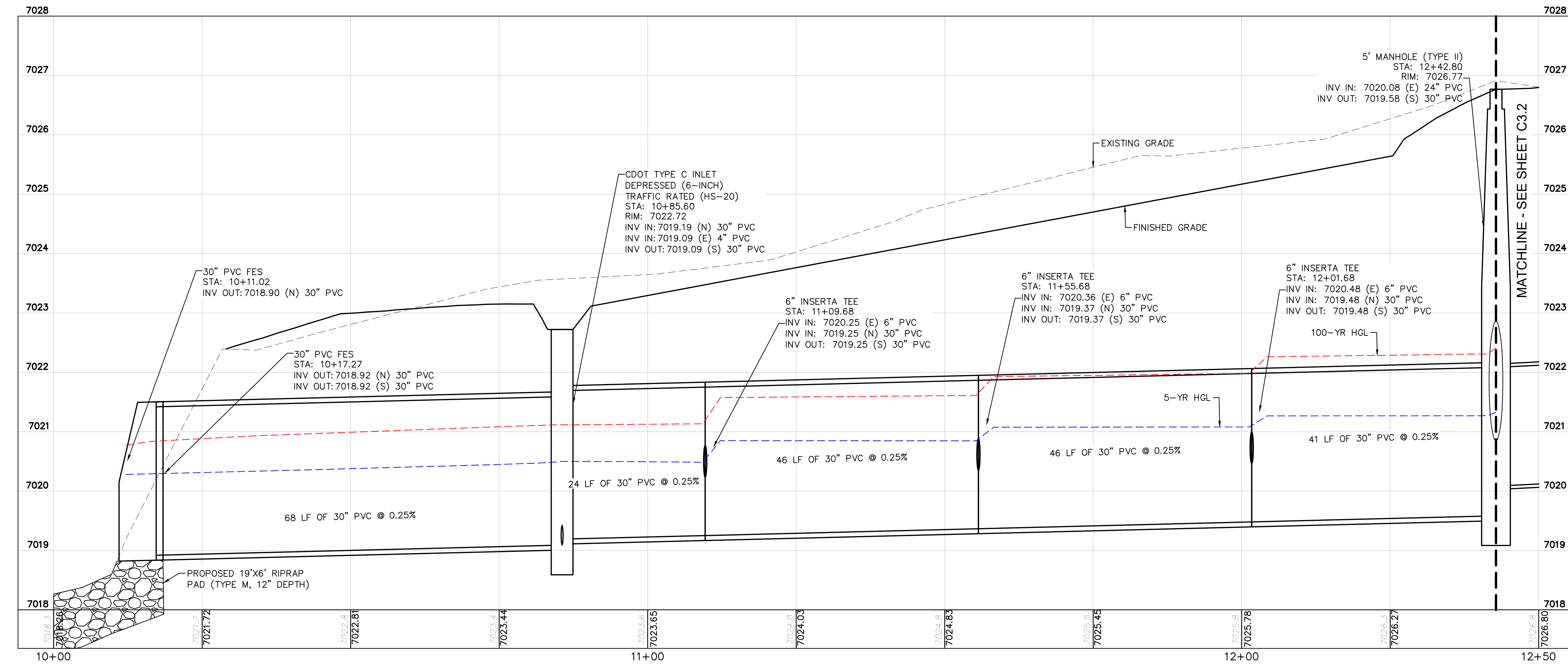
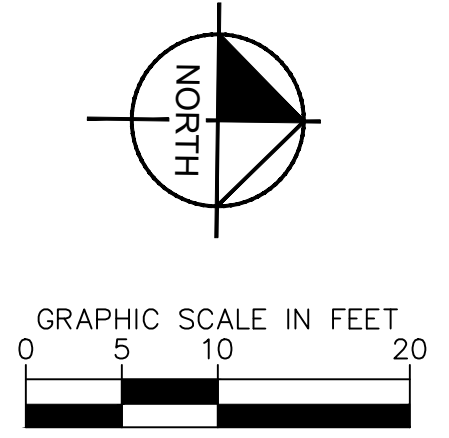
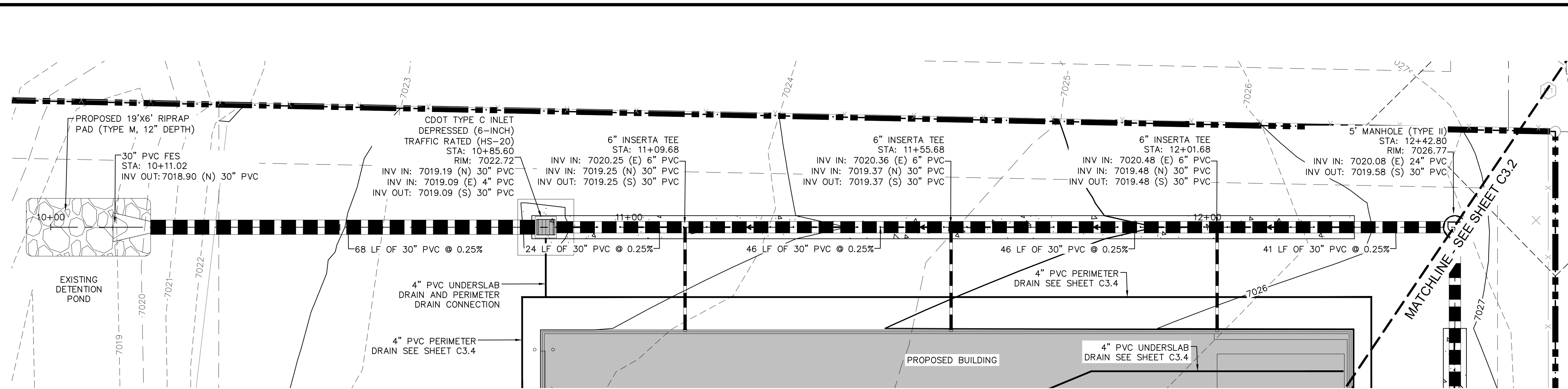


PROJECT NO.
196489000

SHEET
C3.0

PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDs\CD_STRM P&P-196489000.dwg Schmelbach, Ryan 4/12/2024 10:42 AM



- NOTES**
- SEE SHEET C3.4 FOR DETAILED DRAIN PLAN
 - ALL PROPOSED STORM INFRASTRUCTURE DEPICTED ON THESE PLANS IS TO BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED
 - ADD WATER TIGHT JOINT WHEN 100-YEAR HGL SHOWS PIPE FULLY INUNDATED

- CAUTION NOTE** ⚠
- CONTRACTOR SHALL MAINTAIN 1.5' OF VERTICAL SEPARATION AT ALL WET UTILITY CROSSINGS.
 - CONTRACTOR SHALL MAINTAIN 1.0' OF VERTICAL SEPARATION AT ALL DRY UTILITY CROSSINGS.

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E.J.G.
 DRAWN BY: RES
 CHECKED BY: E.J.G.
 DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
STORM PLAN & PROFILE



PROJECT NO.
196489000

SHEET

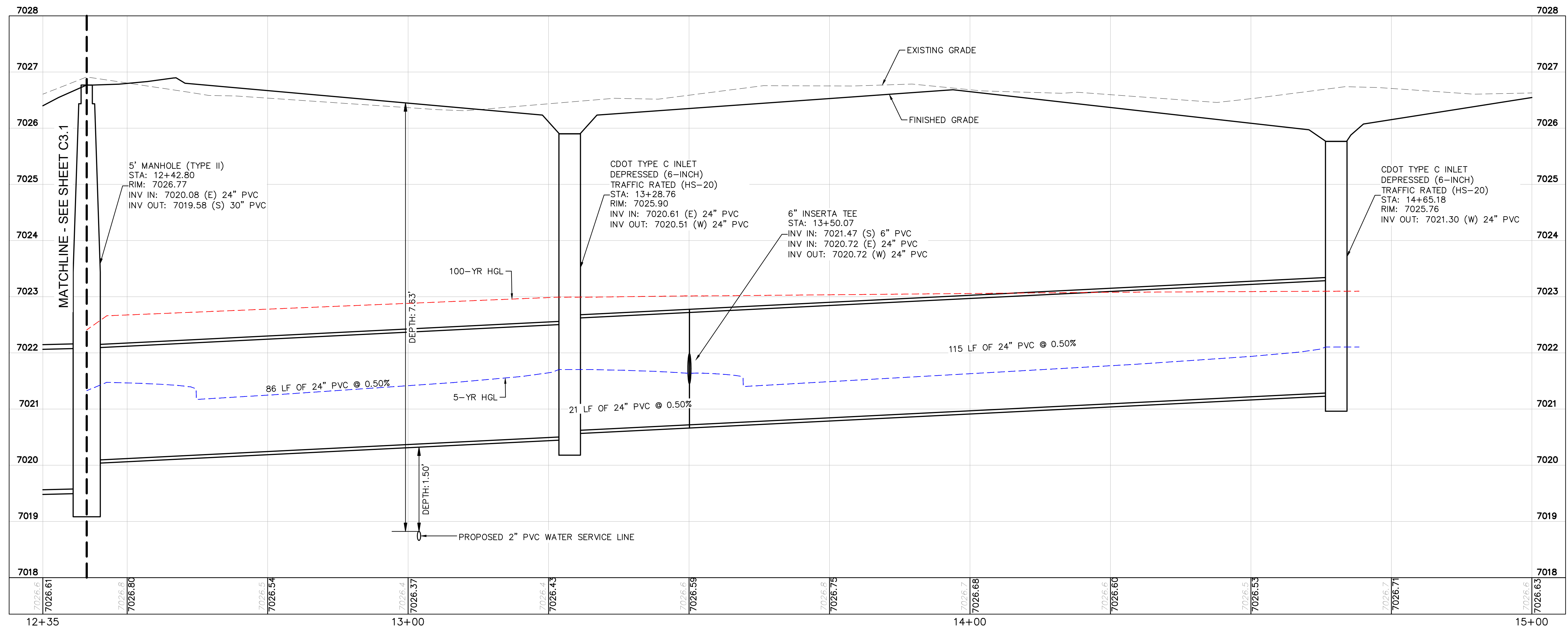
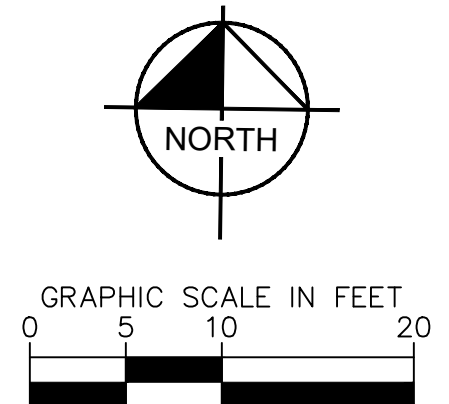
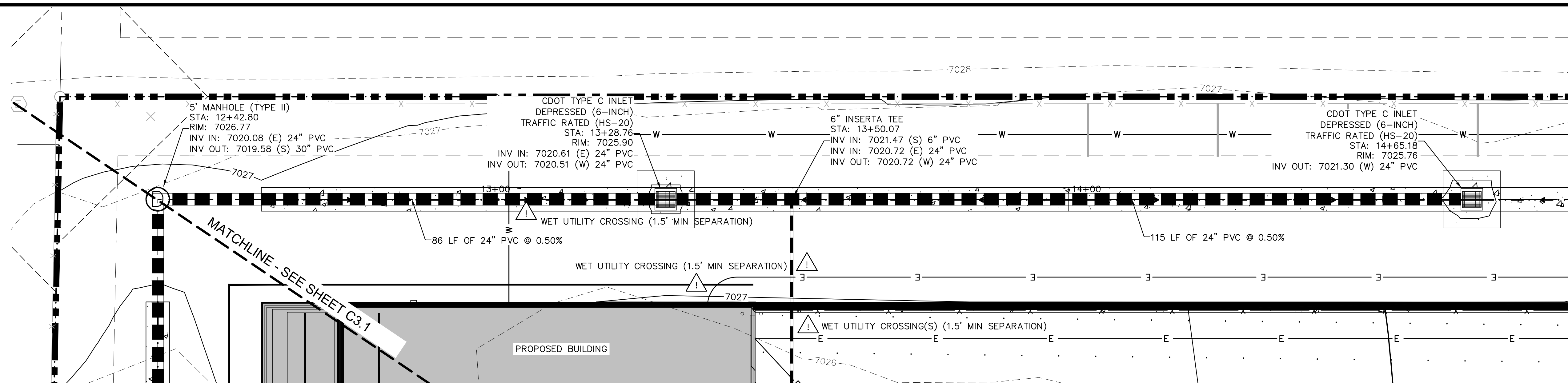
C3.1

PCD FILE NO. COM2346

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

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\CD_STRM P&P-196489000.dwg Schmelbach, Ryan 4/12/2024 10:42 AM

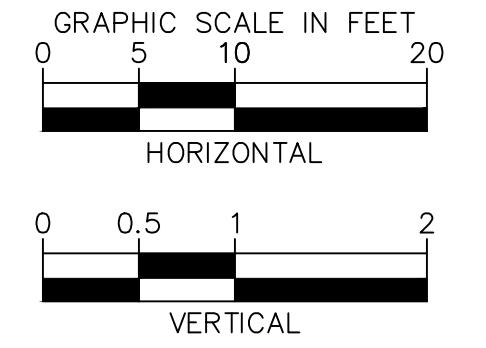


NOTES

- SEE SHEET C3.4 FOR DETAILED DRAIN PLAN
- ALL PROPOSED STORM INFRASTRUCTURE DEPICTED ON THESE PLANS IS TO BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED
- ADD WATER TIGHT JOINT WHEN 100-YEAR HGL SHOWS PIPE FULLY INUNDATED

CAUTION NOTE ⚠

- CONTRACTOR SHALL MAINTAIN 1.5' OF VERTICAL SEPARATION AT ALL WET UTILITY CROSSINGS.
- CONTRACTOR SHALL MAINTAIN 1.0' OF VERTICAL SEPARATION AT ALL DRY UTILITY CROSSINGS.



Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E:JG
DRAWN BY: RES
CHECKED BY: E:JG
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
STORM PLAN & PROFILE



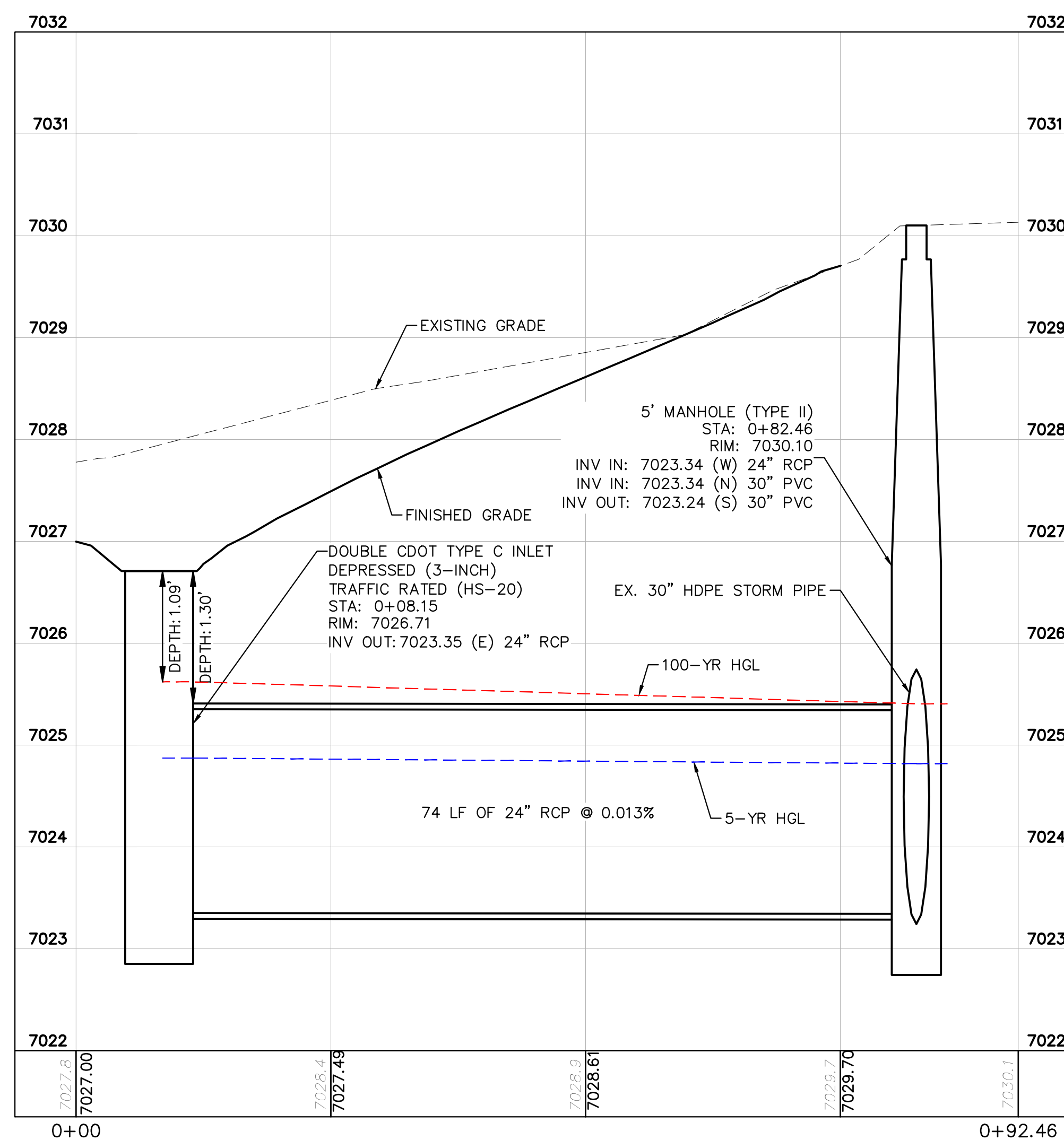
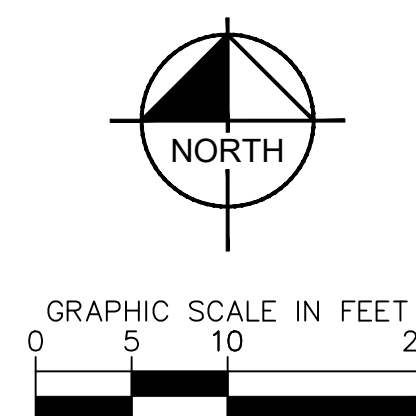
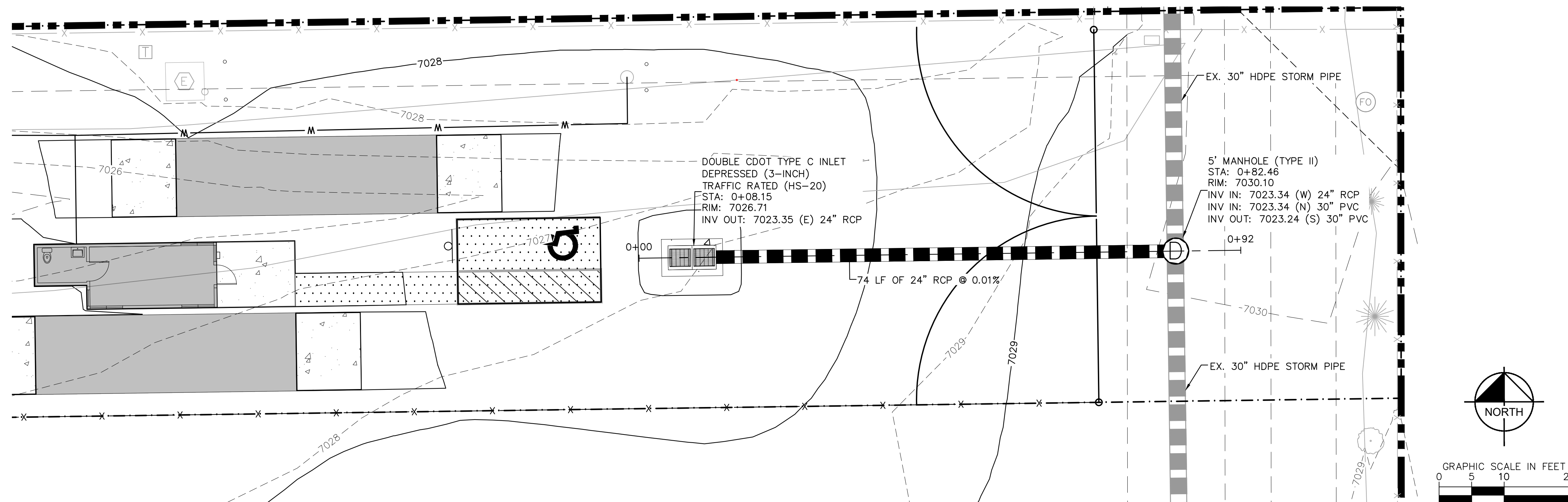
PROJECT NO. 196489000

SHEET

C3.2

PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\CD_STRM P&P-196489000.dwg Schmelbach, Ryan 4/12/2024 10:42 AM

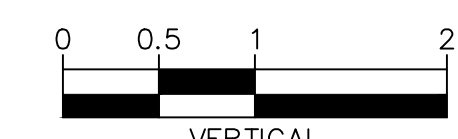
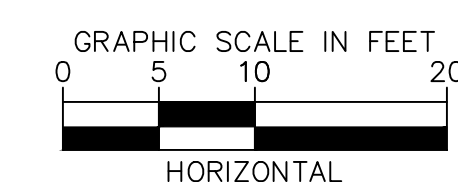


NOTES

- SEE SHEET C3.4 FOR DETAILED DRAIN PLAN
- ALL PROPOSED STORM INFRASTRUCTURE DEPICTED ON THESE PLANS IS TO BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED
- ADD WATER TIGHT JOINT WHEN 100-YEAR HGL SHOWS PIPE FULLY INUNDATED

CAUTION NOTE

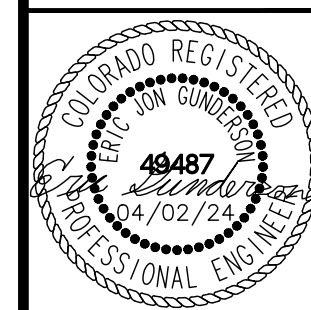
- CONTRACTOR SHALL MAINTAIN 1.5' OF VERTICAL SEPARATION AT ALL WET UTILITY CROSSINGS.
- CONTRACTOR SHALL MAINTAIN 1.0' OF VERTICAL SEPARATION AT ALL DRY UTILITY CROSSINGS.



Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E.J.G.
 DRAWN BY: RES
 CHECKED BY: E.J.G.
 DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
STORM PLAN & PROFILE



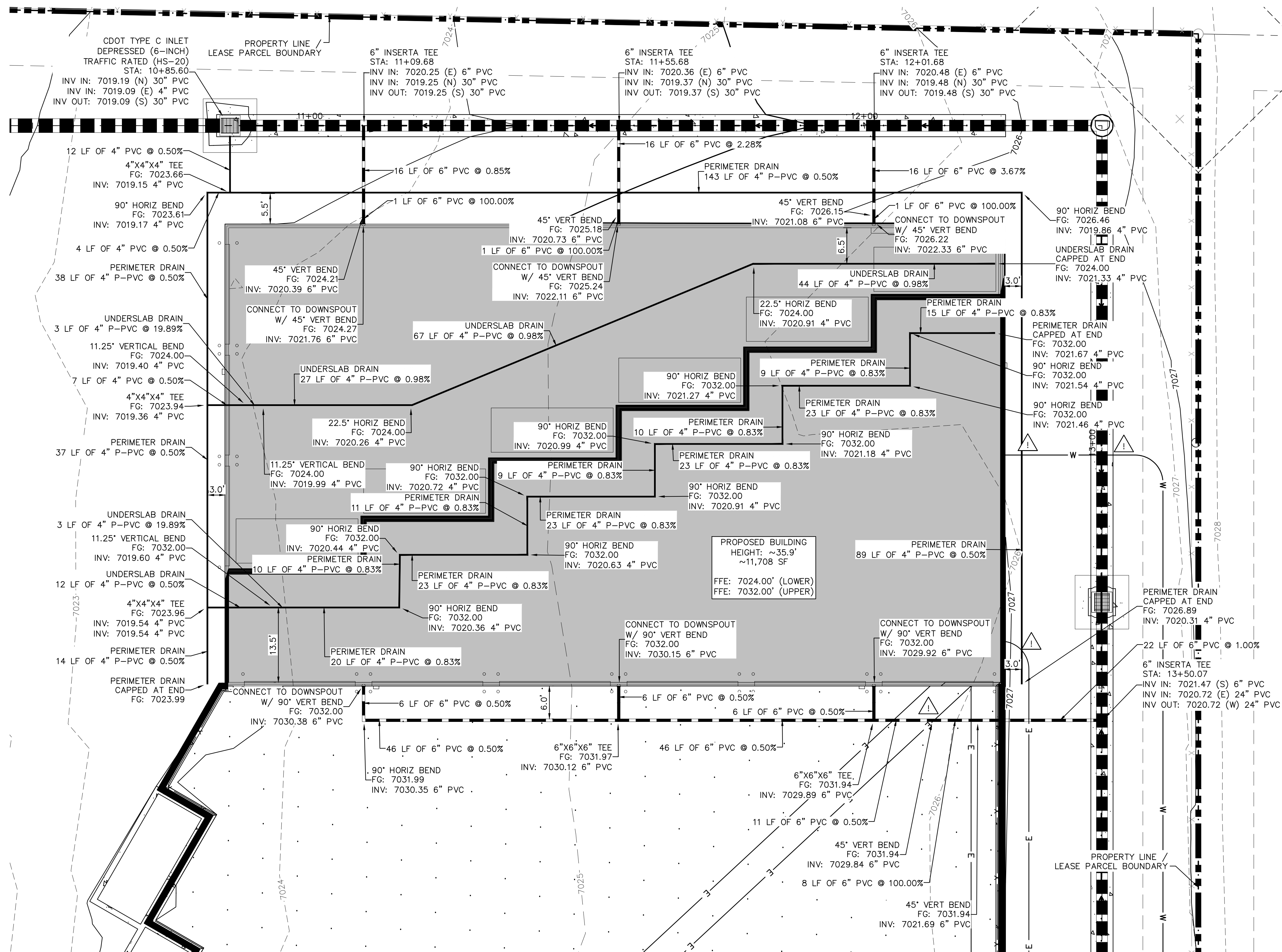
PROJECT NO.
196489000

SHEET

C3.3

PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\Transfer\CADD\PlanSheets\CDS\CD_STRM_RD-196489000.dwg Schnellbach, Ryan 4/12/2024 10:42 AM



LEGEND

- PROPERTY LINE
- LEASED PARCEL BOUNDARY
- EXISTING UTILITY & DRAINAGE EASEMENT
- EXISTING FENCE
- EXISTING STORM SEWER
- EXISTING GAS MAIN
- EXISTING VEGETATION
- EXISTING TRANSFORMER
- PROPOSED FLOW LINE
- PROPOSED STORM SEWER
- PROPOSED PERIMETER / UNDERSLAB DRAIN
- PROPOSED STORM INLET
- PROPOSED ASPHALT
- PROPOSED CONCRETE

NOTES

1. SEE SHEETS C3.1 - C3.3 FOR DETAILED STORM PLAN AND PROFILES
2. ALL PROPOSED STORM INFRASTRUCTURE DEPICTED ON THESE PLANS IS TO BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED
3. SEE SHEET C6.0 FOR ROOF DRAIN CONNECTION DETAIL
4. PERIMETER AND UNDERSLAB DRAINS ARE TO BE PERFORATED PVC (P-PVC) AND SHALL BE INSTALLED WITHIN A FREE-DRAINING LAYER (3/4" CLEAN GRAVEL).

CAUTION NOTE

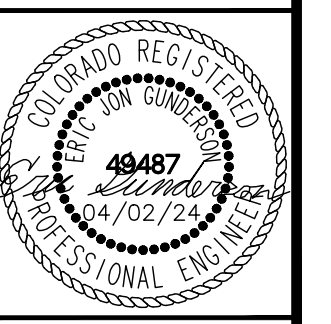
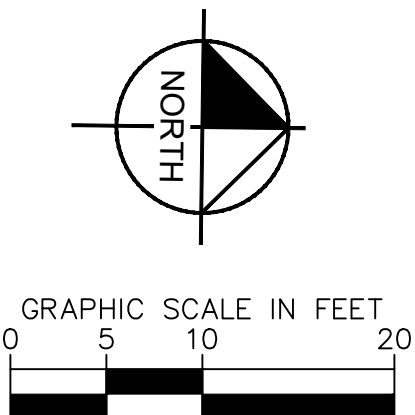
1. CONTRACTOR SHALL MAINTAIN 1.5' OF VERTICAL SEPARATION AT ALL WET UTILITY CROSSINGS.
2. CONTRACTOR SHALL MAINTAIN 1.0' OF VERTICAL SEPARATION AT ALL DRY UTILITY CROSSINGS.

Kimley»Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: EJM
DRAWN BY: RES
CHECKED BY: EJM
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
DRAIN PLAN



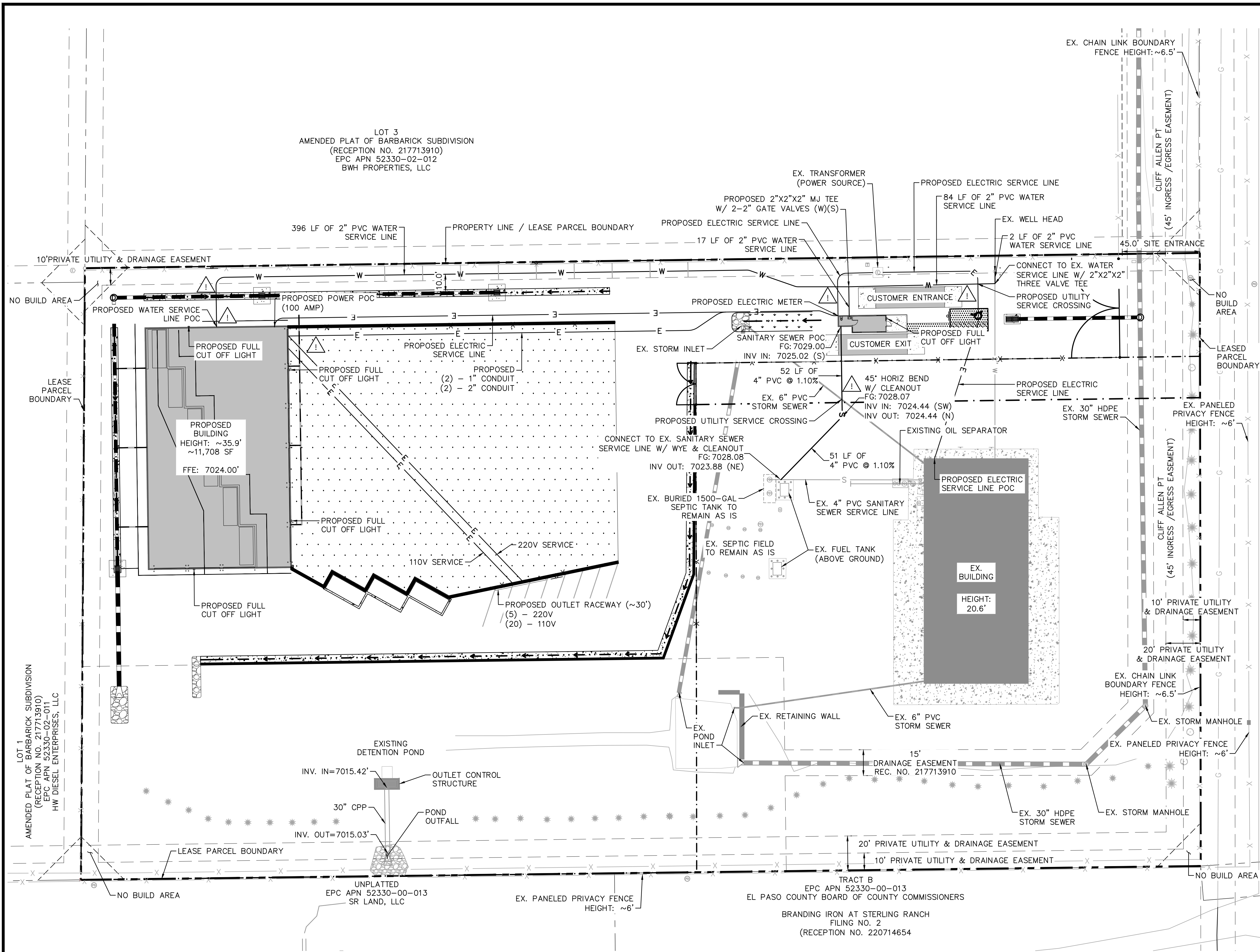
PROJECT NO.
196489000

SHEET

C3.4

PCD FILE NO. COM2346

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\CD_UT.dwg Schnelboch, Ryan 4/12/2024 10:42 AM



LEGEND

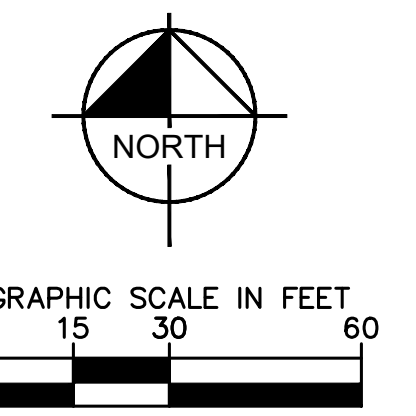
- PROPERTY LINE
- - - - - LEASED PARCEL BOUNDARY
- - - - - EX. UTILITY & DRAINAGE EASEMENT
- X EX. FENCE
- EX. STORM SEWER
- EX. GAS MAIN
- EX. VEGETATION
- ⊕ EX. TRANSFORMER
- W— PROPOSED WATER SERVICE LINE
- S— PROPOSED SEPTIC SERVICE LINE
- E— PROPOSED ELECTRIC SERVICE LINE
- PROPOSED STORM SEWER
- ▨ PROPOSED ASPHALT
- ▩ PROPOSED CONCRETE

NOTES

1. ALL CONDITIONS SHOWN TO BE "EX." SHALL BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE SUBMITTED TO THE OWNER AND THE ENGINEER FOR REVIEW. CHANGES TO THE ORIGINAL DESIGN MUST BE APPROVED BY BOTH THE OWNER AND THE ENGINEER PRIOR TO MAKING ANY CHANGES.
2. ALL WATER SERVICE LINES SHALL MAINTAIN A BURY DEPTH OF 6'-7'.
3. EXISTING INFLUENT SEPTIC SEWER LINE IS TO BE POTHOLED PRIOR TO SERVICE LINE CONNECTION AT THE EXISTING SEPTIC TANK.
4. PROPOSED SANITARY SEWER LINE IS TO BE 4" SCH 40 PVC

CAUTION NOTE ⚠

1. CONTRACTOR SHALL MAINTAIN 1.5' OF VERTICAL SEPARATION AT ALL WET UTILITY CROSSINGS.
2. CONTRACTOR SHALL MAINTAIN 1.0' OF VERTICAL SEPARATION AT ALL DRY UTILITY CROSSINGS.



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

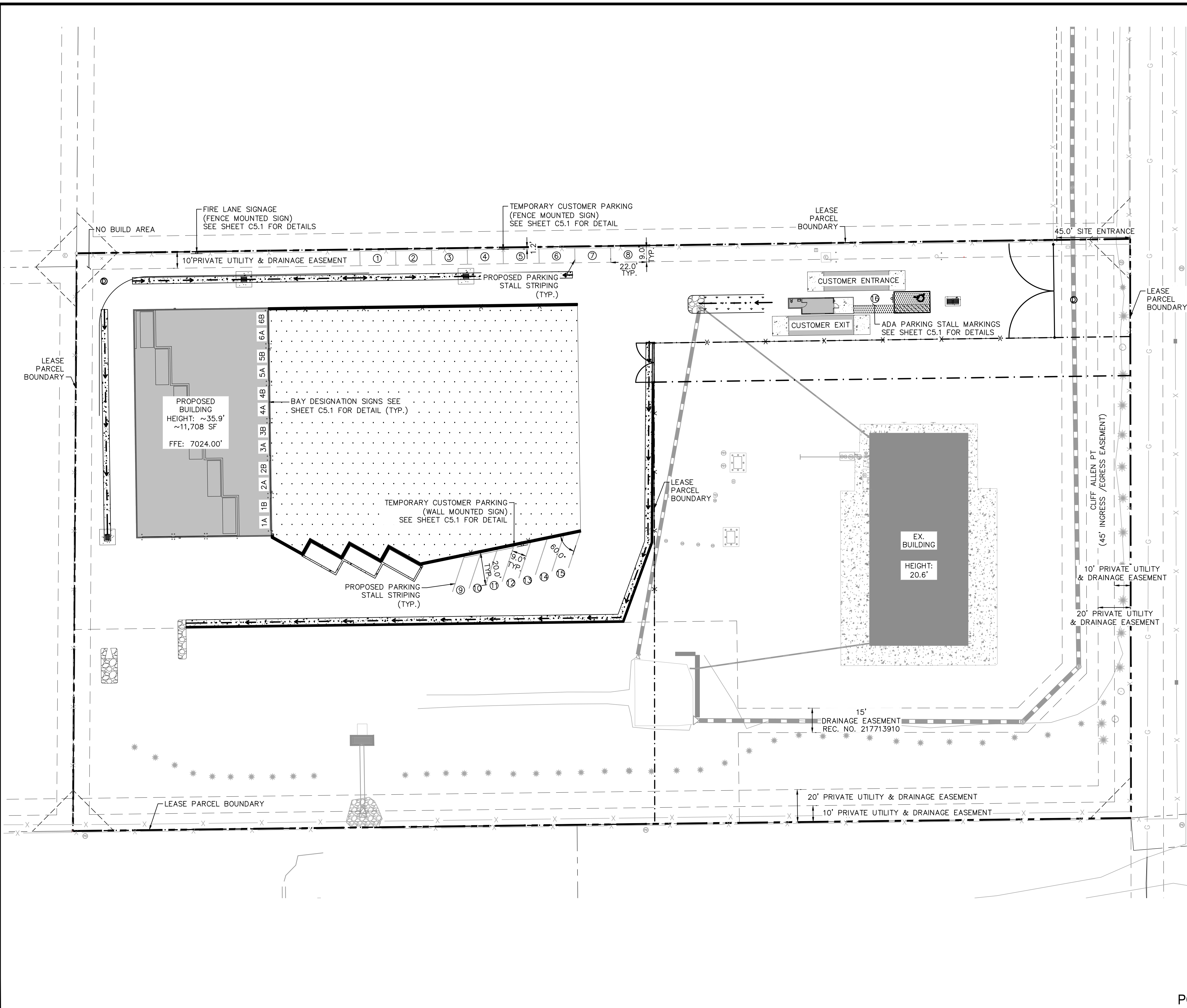
DESIGNED BY: EJG
 DRAWN BY: RES
 CHECKED BY: EJG
 DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 UTILITY PLAN



PROJECT NO.
196489000
 SHEET
C4.0

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\CD_SS.dwg Schnelboch, Ryan 4/12/2024 10:42 AM



LEGEND

	PROPERTY LINE
	LEASED PARCEL BOUNDARY
	EX. UTILITY & DRAINAGE EASEMENT
	PROPOSED TRUCK TURN MOVEMENT
	EX. FENCE
	EX. STORM SEWER
	EX. GAS MAIN
	EX. VEGETATION
	EX. TRANSFORMER
	PROPOSED ASPHALT
	PROPOSED CONCRETE
	PROPOSED PARKING STALL

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E:JG
 DRAWN BY: RES
 CHECKED BY: E:JG
 DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 SIGNAGE & STRIPING PLAN



PROJECT NO.
196489000

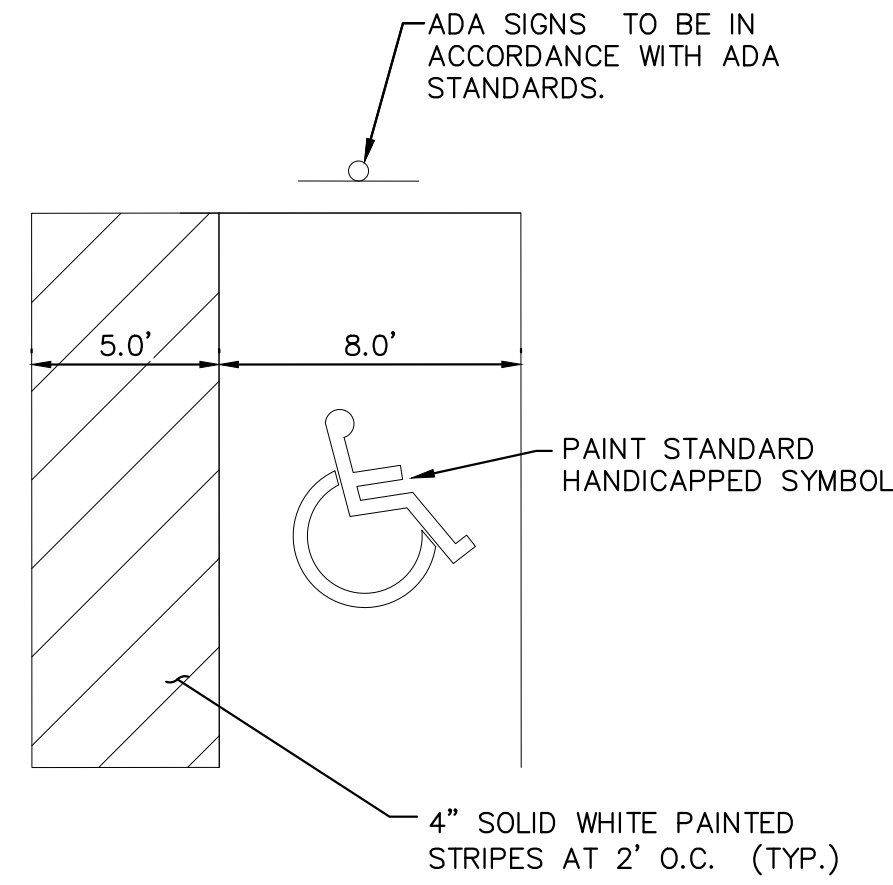
SHEET
C5.0

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

CALL UTILITY NOTIFICATION
 CENTER OF COLORADO
 1-800-922-1987

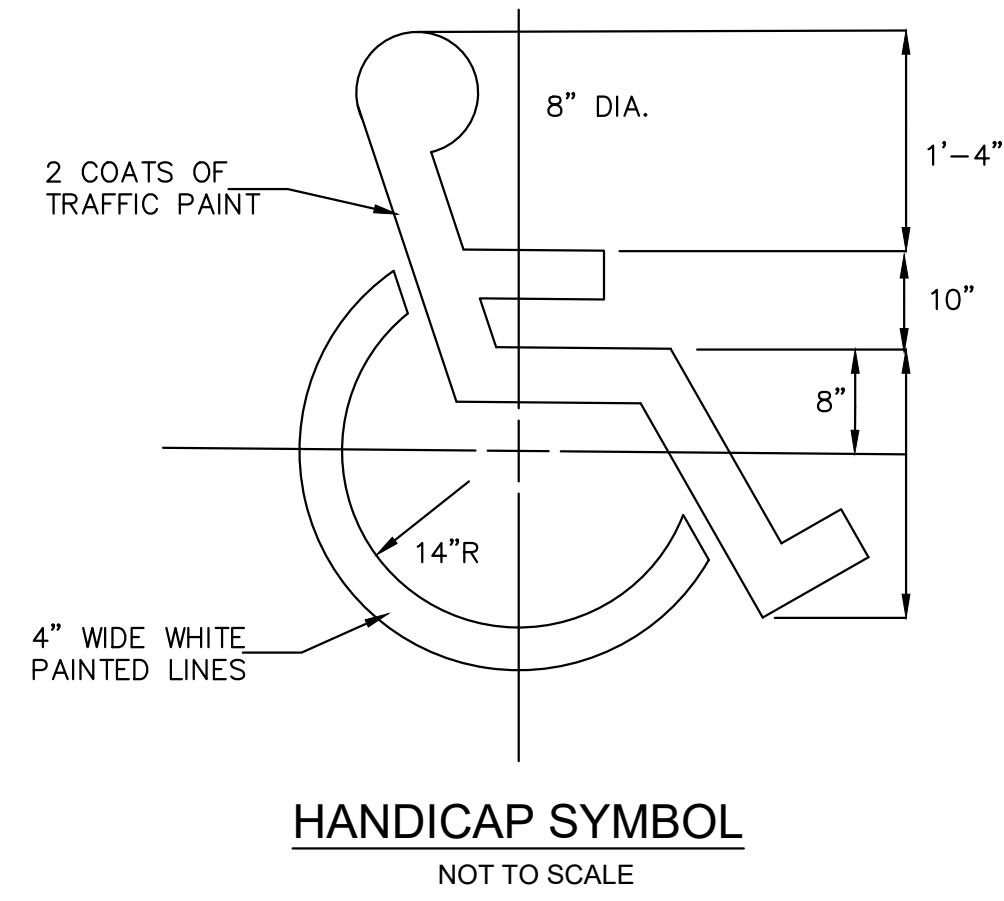
CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES.

PCD FILE NO. COM2346

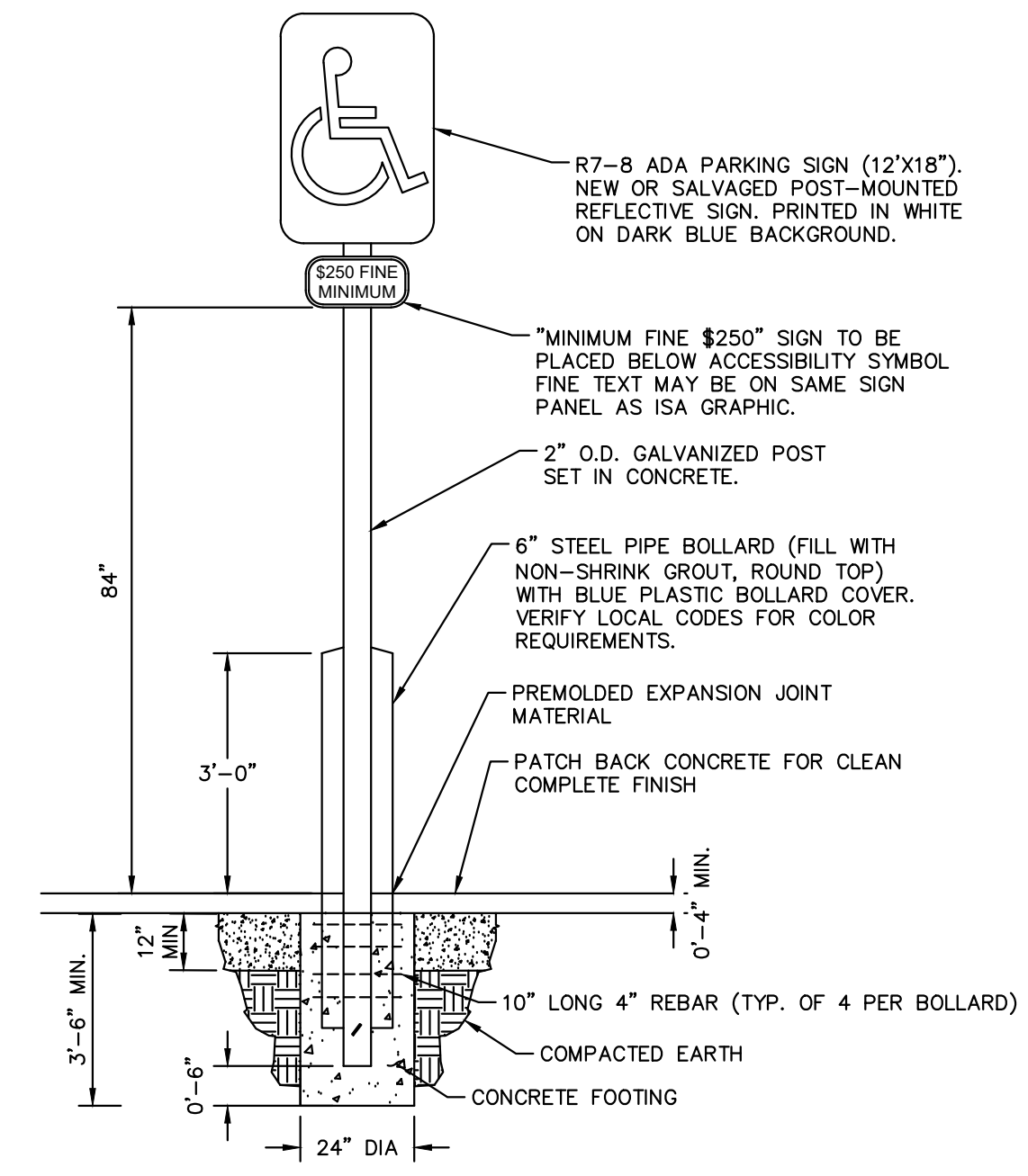


- NOTES:
- DIMENSIONS MAY VARY REFER TO SITE PLAN (SHEET C5.0).
 - SIGNAGE AND MARKINGS TO BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

ACCESSIBLE PARKING DETAIL
NOT TO SCALE



HANDICAP SYMBOL
NOT TO SCALE

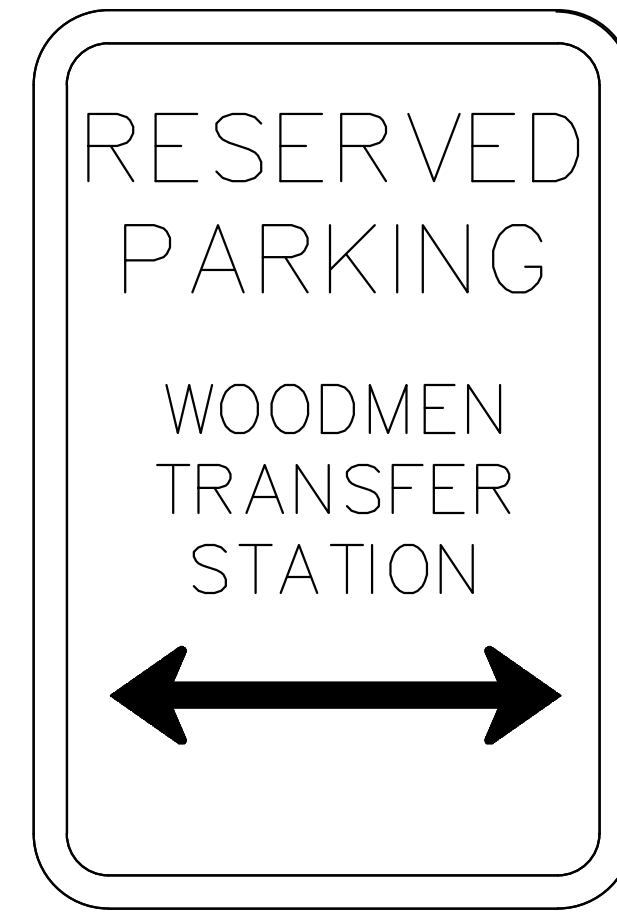


ADA PARKING SIGN DETAILS
NOT TO SCALE

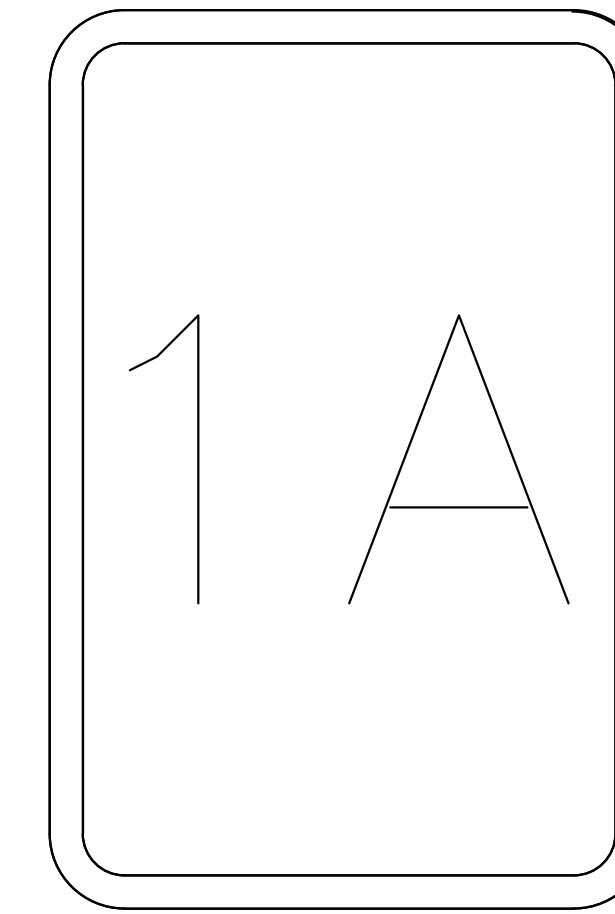


FIRE LANE SIGNAGE DETAIL
NOT TO SCALE

- NOTE:
- SIGN MUST HAVE A WHITE REFLECTIVE BACKGROUND WITH LETTERS AND BORDERS IN RED, USING NOT LESS THAN TWO INCH (2") LETTERING AND HAVE A MINIMUM DIMENSION OF TWELVE INCHES (12") WIDE BY EIGHTEEN INCHES (18") HIGH.
 - REFER TO THE COLORADO SPRINGS FIRE DEPARTMENT FIRE LANE STRIPING AND SIGNING HANDBOOK FOR ACCEPTABLE ALTERNATIVES AND REQUIREMENTS.
 - SIGN IS TO BE FENCE MOUNTED (CHAIN LINK FENCE).



CUSTOMER PARKING DETAIL
NOT TO SCALE



BAY DESIGNATION SIGN DETAIL
NOT TO SCALE



Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: EJG
DRAWN BY: RES
CHECKED BY: EJG
DATE: 4/2/2024

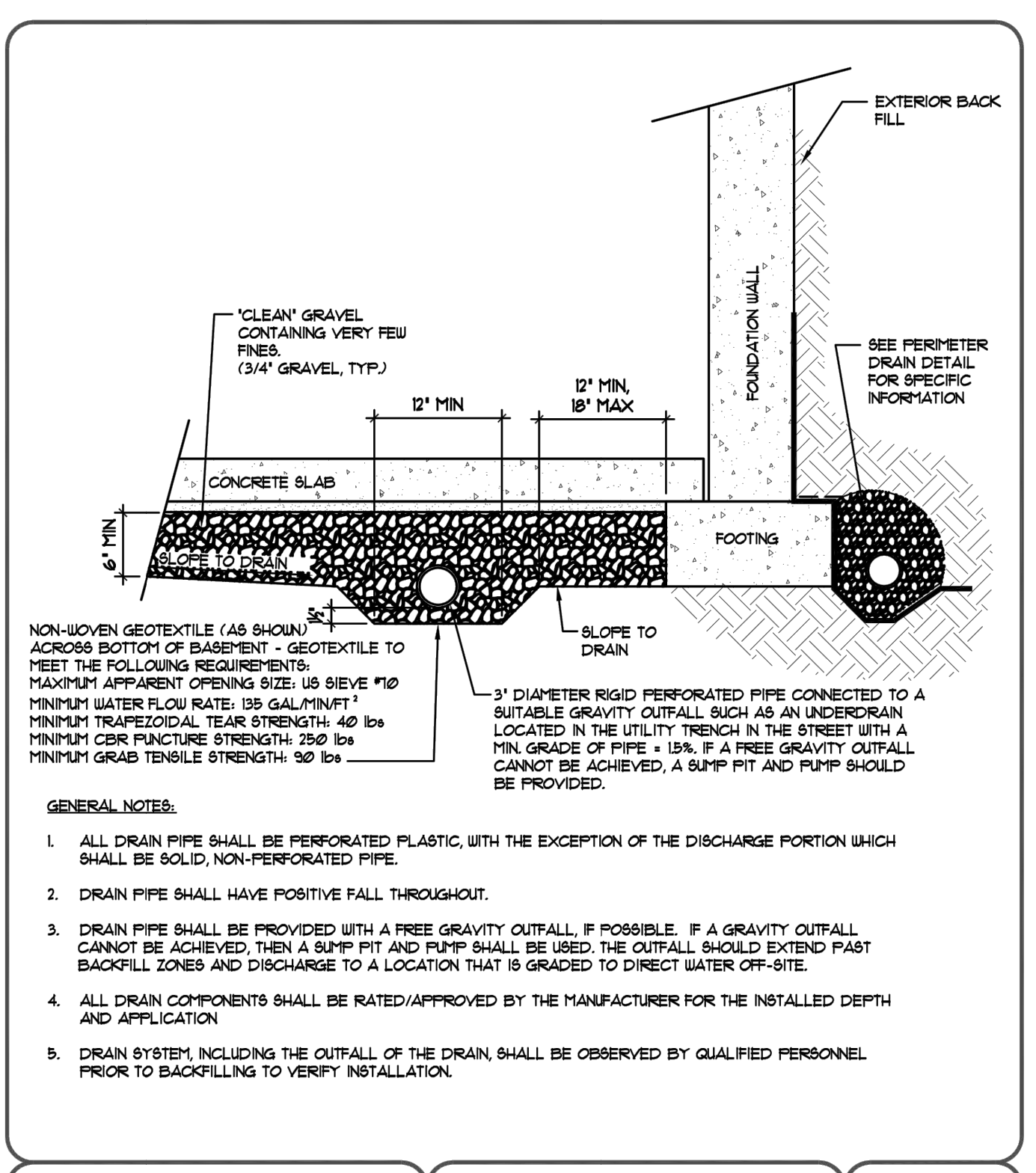
BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SIGNAGE & STRIPING DETAILS



PROJECT NO.
196489000

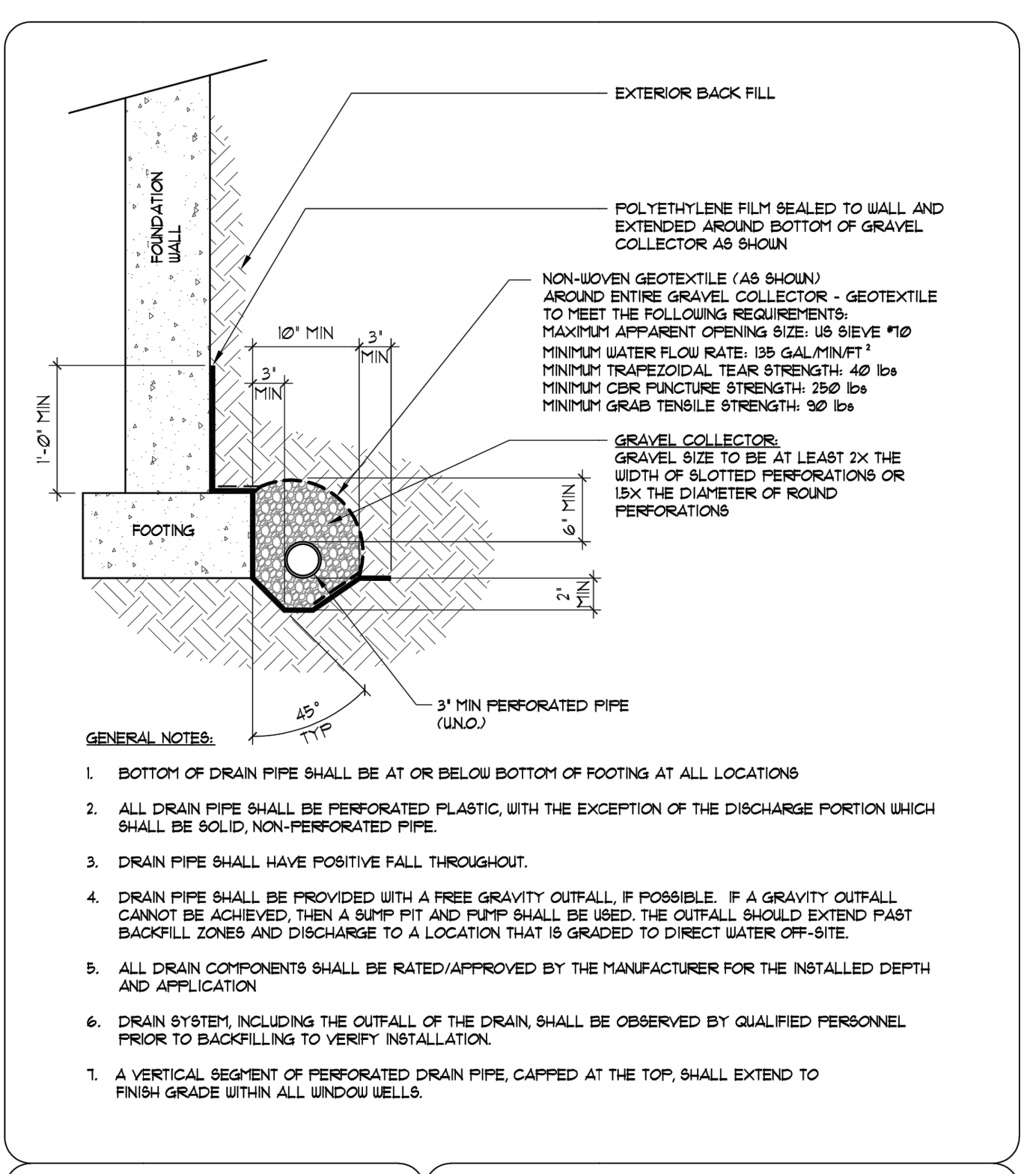
SHEET

C5.1



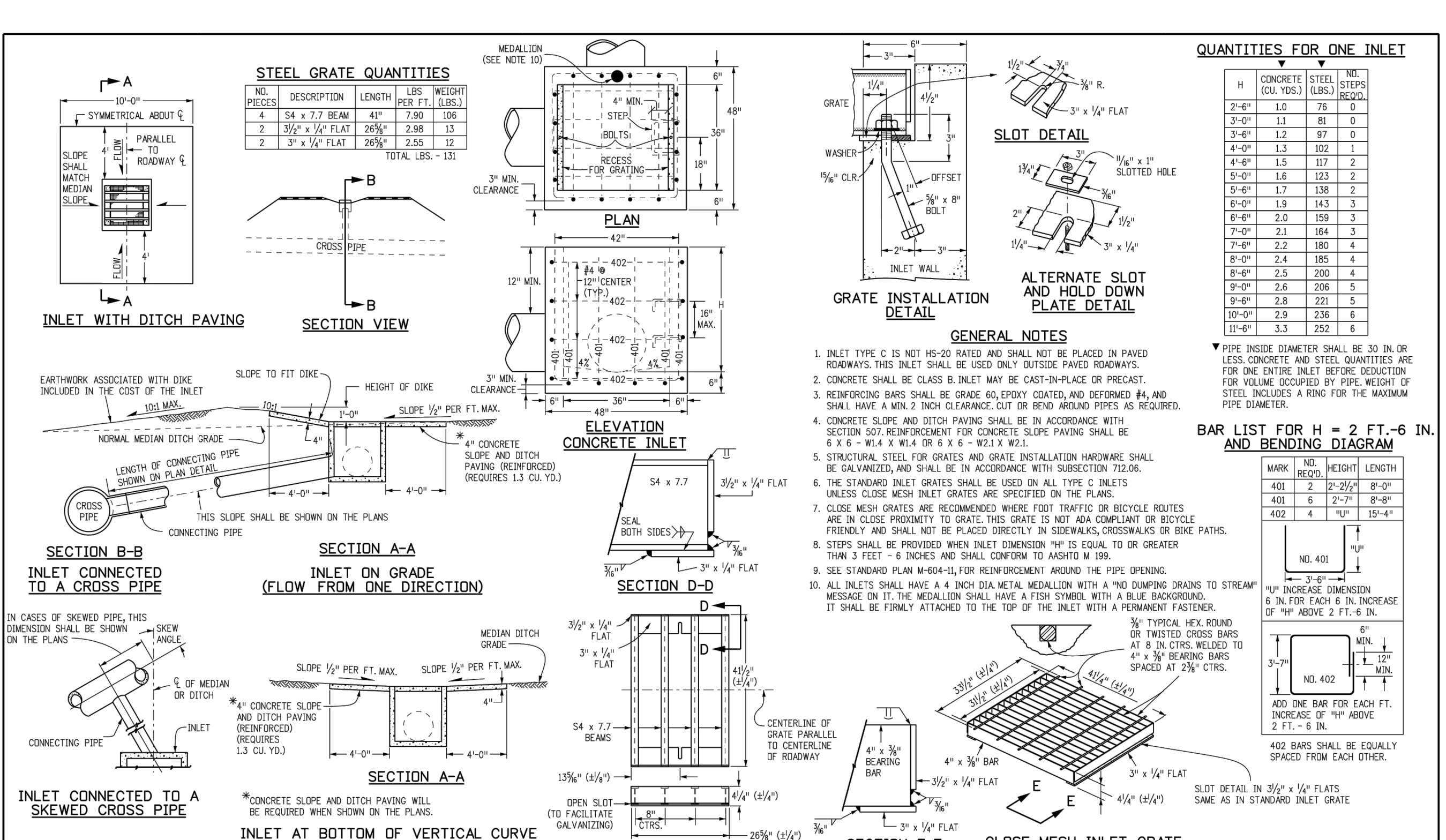
RMG ENGINEERS / ARCHITECTS
SOUTHERN COLORADO OFFICE
2914 JUSTIN BLUFF'S PKWY, SUITE 100
COLORADO SPRINGS, CO 80918
(719) 548-0600 • WWW.RMGENGINEERS.COM
SOUTHERN COLORADO, DENVER METRO, NORTHWEST COLORADO

UNDERSLAB DRAIN FIG No. 8



RMG ARCHITECTS
SOUTHERN OFFICE
COLORADO SPRINGS, CO 80918
(719) 548-0600
GENERAL OFFICE
ENGINEERING, CO 80112
(303) 459-4475
SOUTHERN OFFICE
GENERAL ENGINEER, CO 80602
(970) 350-1071

PERIMETER DRAIN



Computer File Information: Creation Date: 07/31/19, Designer Initials: JBK, Last Modification Date: 07/31/19, Detailer Initials: LTA, CAD Ver: MicroStation V8, Scale: Not to Scale, Units: English

Sheet Revisions: Date, Comments

Colorado Department of Transportation
2525 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868

Project Development Branch JBK

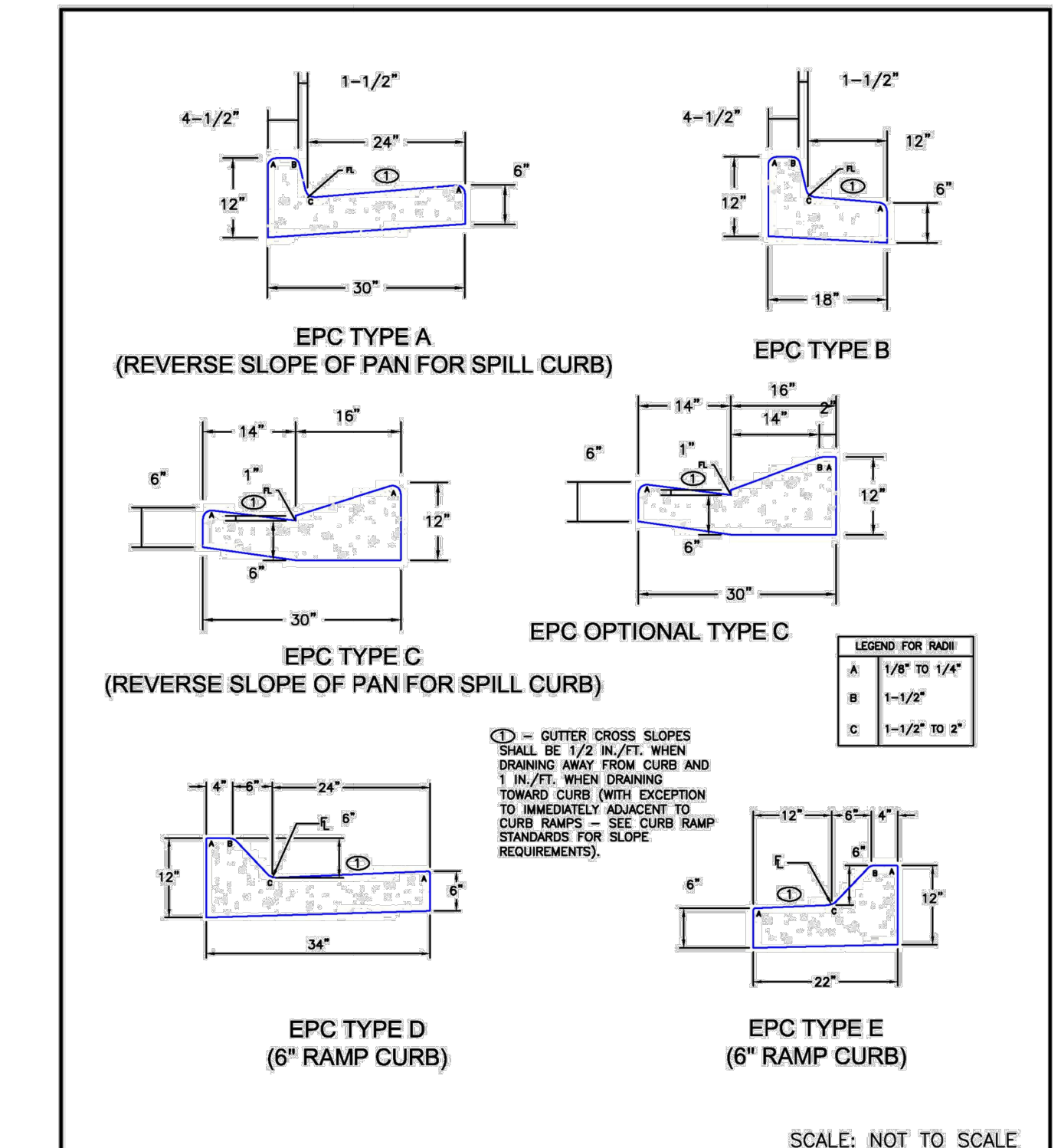
INLET, TYPE C

STANDARD PLAN NO. M-604-10
Standard Sheet No. 1 of 1

Issued by the Project Development Branch July 31, 2019

11/17/23, 10:22 AM AppF-19.png (2286*3044)

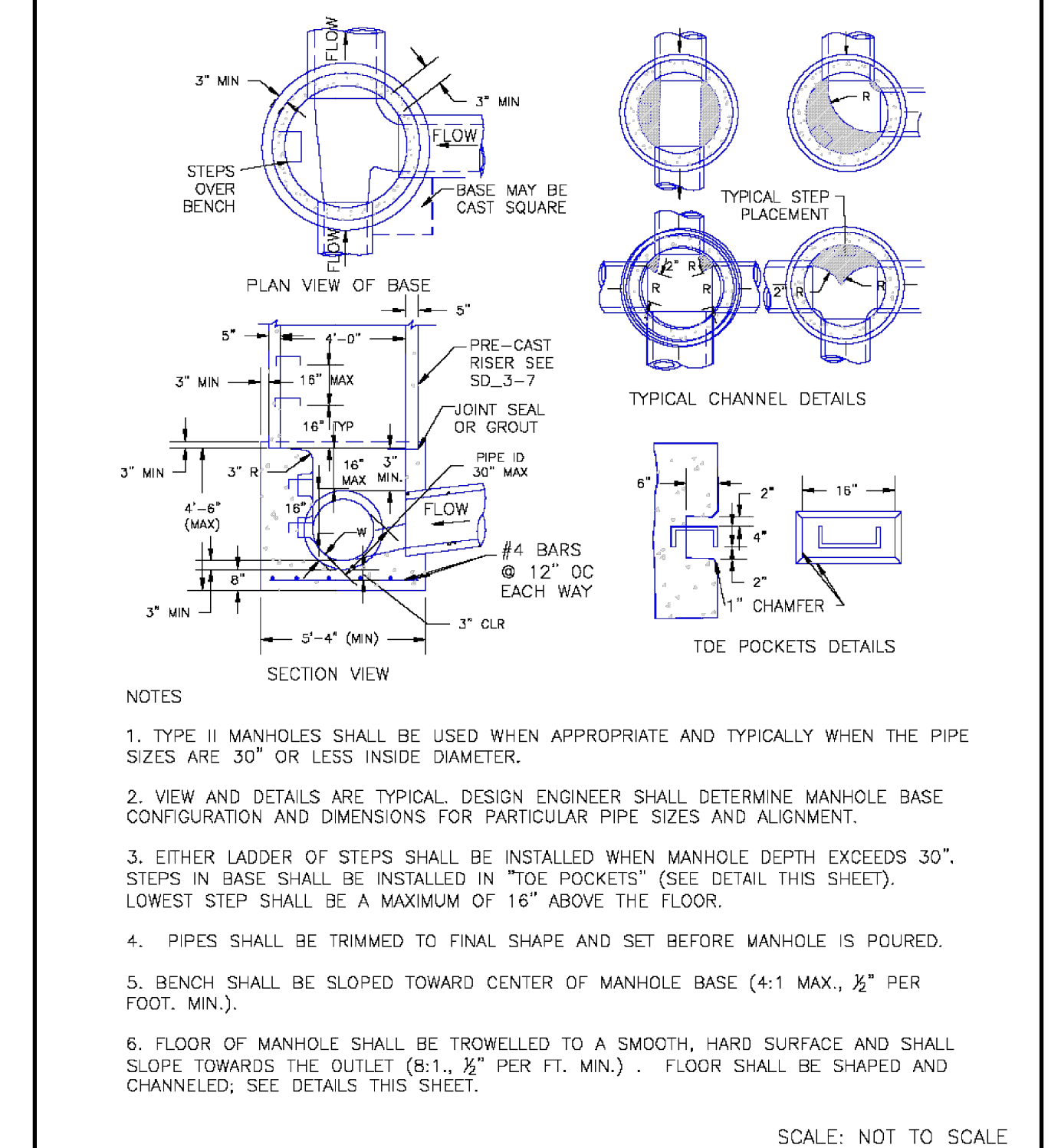
11/17/23, 12:24 PM AppF-40.png (984*1302)



DATE APPROVED: 6/23/20
JENNIFER E. IRVINE
DEPARTMENT OF PUBLIC WORKS

REVISION DATE: 6/23/20
FILE NAME: SD_2-20

DEPARTMENT OF PUBLIC WORKS



DATE APPROVED: 11/10/04
ANDRÉ P. BRACKIN
DEPARTMENT OF TRANSPORTATION

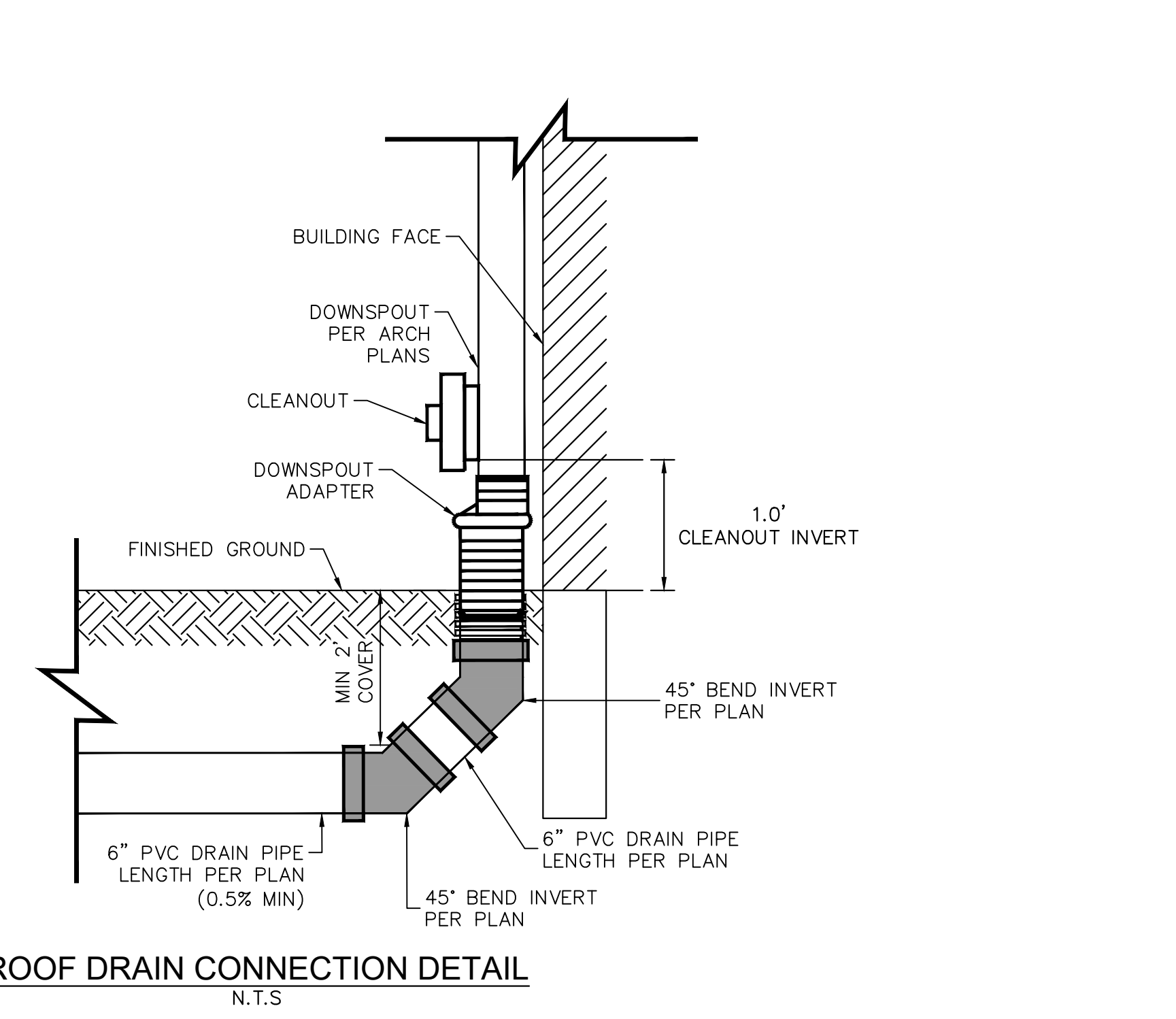
REVISION DATE: 11/10/04
FILE NAME: SD_3-2

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION

11/17/23, 10:22 AM AppF-19.png (2286*3044)

https://mcdlibrary.blob.core.usgovcloudapi.net/codecontent/15646/367064/AppF-19.png

1/1



DATE APPROVED: 11/10/04
ANDRÉ P. BRACKIN
DEPARTMENT OF TRANSPORTATION

REVISION DATE: 11/10/04
FILE NAME: SD_3-2

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION

https://mcdlibrary.blob.core.usgovcloudapi.net/codecontent/15646/367064/AppF-19.png

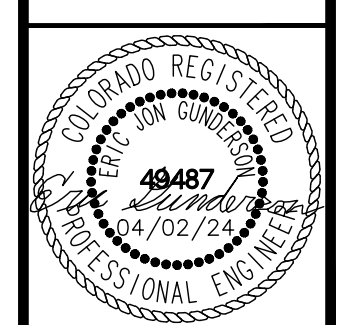
PCD FILE NO. COM2346

Kimley»Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

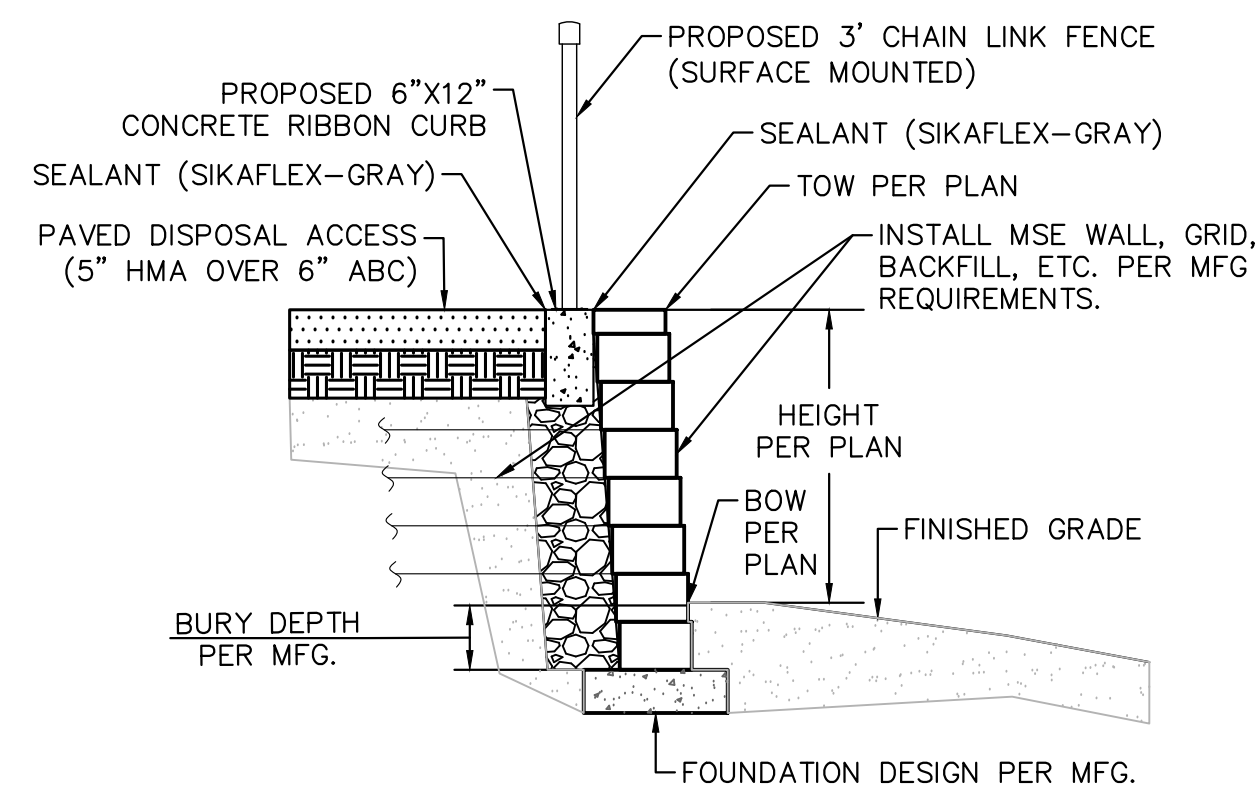
DESIGNED BY: E.JG
DRAWN BY: RES
CHECKED BY: E.JG
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
CONSTRUCTION DETAILS

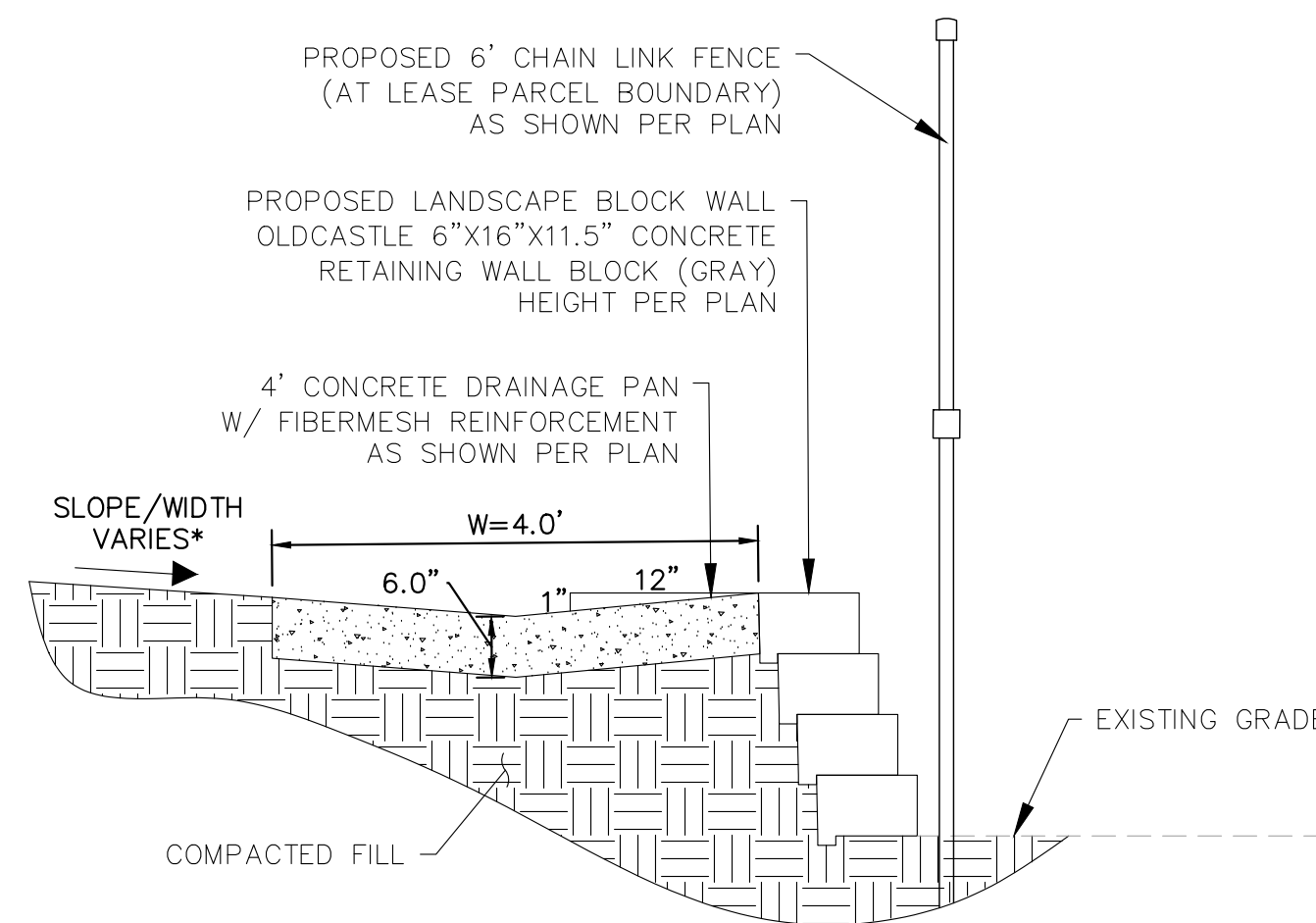


PROJECT NO. 196489000
SHEET C6.0

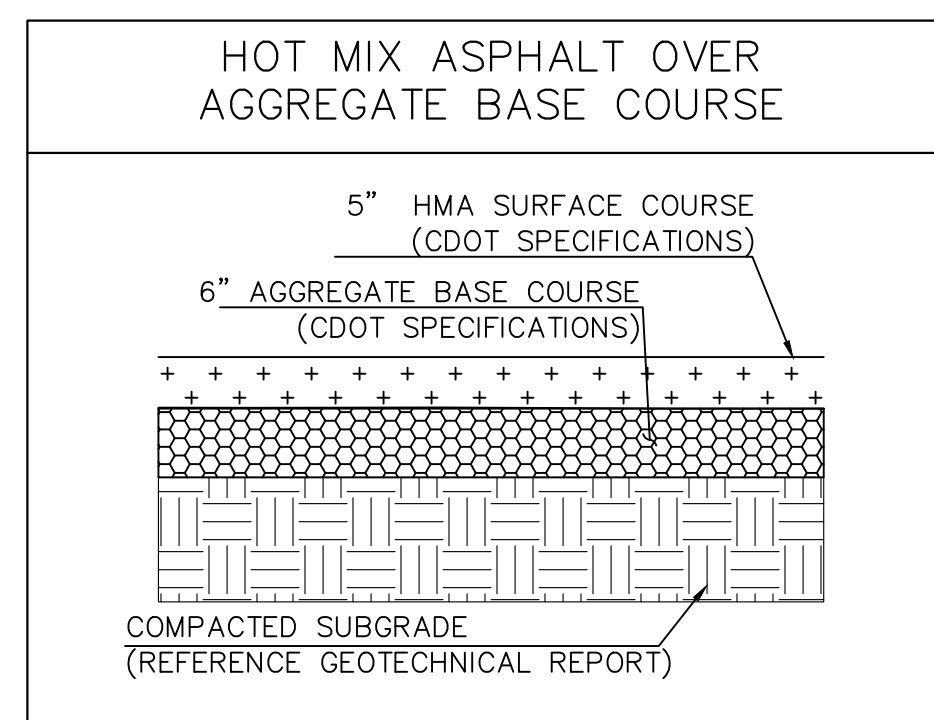
K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\CDS\CD_DT-196489000.dwg Schmelbach, Ryan 4/12/2024 10:42 AM



MSE BLOCK WALL DETAIL
N.T.S.



LANDSCAPE BLOCK WALL DETAIL
N.T.S.

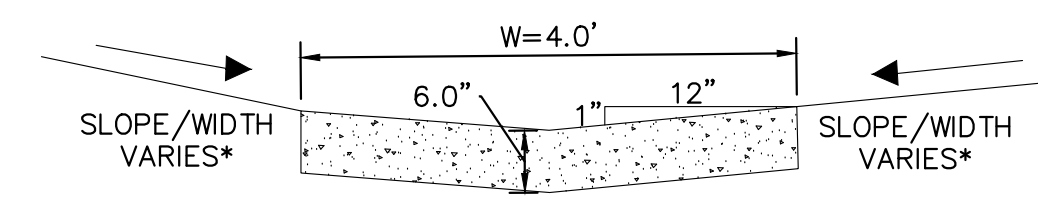


PAVEMENT DETAILS BASED ON GEOTECHNICAL REPORT (JOB NO. 194534) PREPARED BY RMG ENGINEERS / ARCHITECTS DATED OCTOBER 23, 2023

PAVEMENT SECTION
N.T.S.

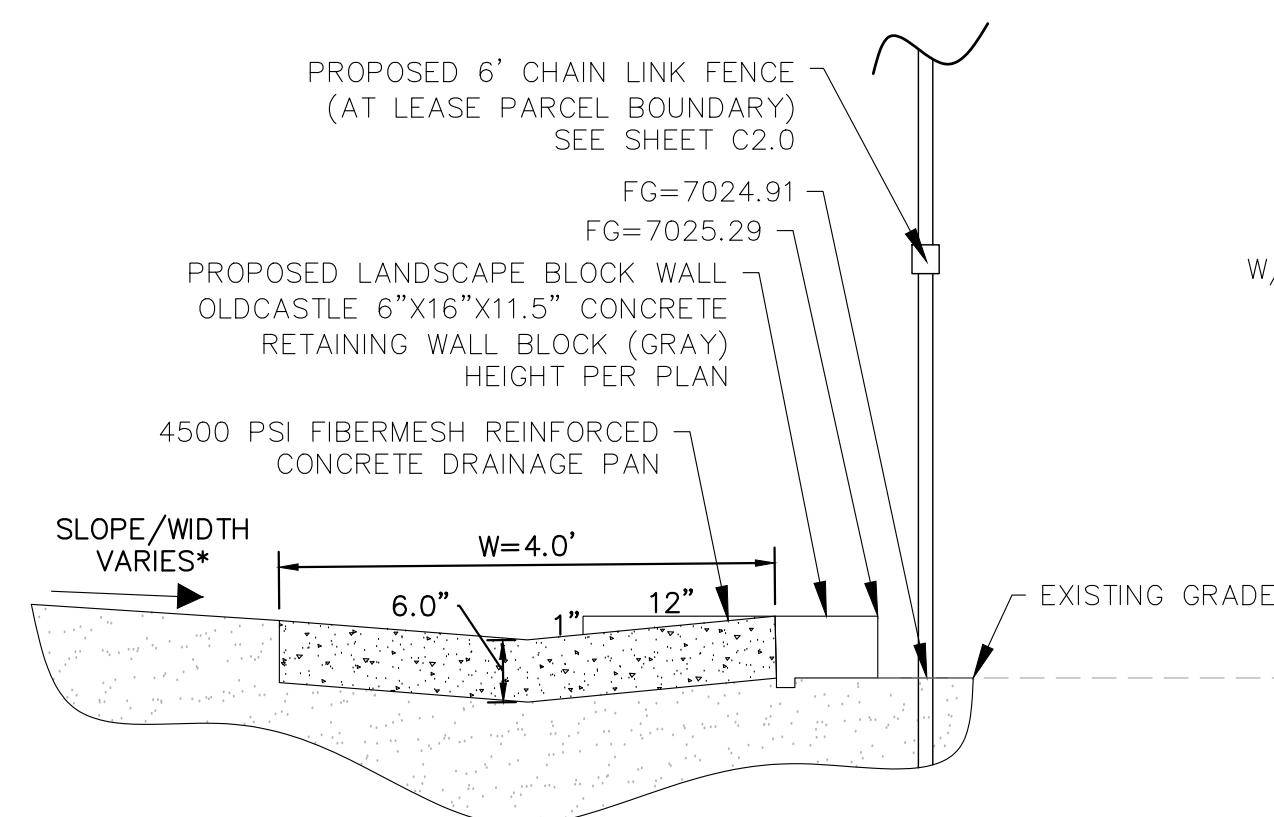
MSE BLOCK RETAINING WALL NOTES:

- 1.1 FOR GEOTECHNICAL RECOMMENDATIONS, SEE GEOTECHNICAL REPORT (JOB NO. 194534) PREPARED BY RMG ENGINEERS / ARCHITECTS DATED OCTOBER 23, 2023
- 1.2 WALL BACKFILL MATERIAL, PLACEMENT AND COMPACTION SHOULD COMPLY IN FULL WITH THE PROJECT SPECIFICATIONS. COMPACTION OF EACH LIFT ADJACENT TO WALLS SHALL BE ACCOMPLISHED WITH HAND OPERATED TAMPERS OR OTHER LIGHTWEIGHT COMPACTORS. FLOODING OR JETTING IS PROHIBITED. USE LOW EXPANSION POTENTIAL MATERIALS.
- 1.3 WALLS ARE TO BE SUITABLY BRACED DURING BACKFILLING TO PREVENT DAMAGE AND EXCESSIVE DEFLECTION. CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS AGAINST HEAVY CONSTRUCTION EQUIPMENT IN THE VICINITY OF RETAINING WALLS.
- 1.4 SEE PROJECT PLANS FOR WALL LAYOUT AND FINISHED GRADE ELEVATIONS.
- 1.5 WALL FOOTINGS TO BE PLACED ON MATERIAL PREPARED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.
- 1.6 ALL WORK (MASONRY, CONCRETE, STEEL) AND MATERIALS TO CONFORM IN FULL WITH PROJECT SPECIFICATIONS.
- 1.7 SITE MSE BLOCK WALLS SHALL BE DESIGN/BUILD BY CONTRACTOR, INCLUDING A DESIGN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF COLORADO. WALLS SHALL BE COLORED TO MATCH THE BUILDING ARCHITECTURE. WALL DESIGN SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND ARCHITECT OF RECORD BY CONTRACTOR FOR REVIEW.
- 1.8 RAILING/FENCING SHALL BE REQUIRED AT ALL LOCATIONS WHERE THE WALL IS 30" TALL OR TALLER AND RESIDES WITHIN 36" OF A WALKING SURFACE
- 1.9 PPRBD WALL PERMIT REQUIRED FOR ALL RETAINING WALLS GREATER THAN OR EQUAL TO 4FT IN HEIGHT.

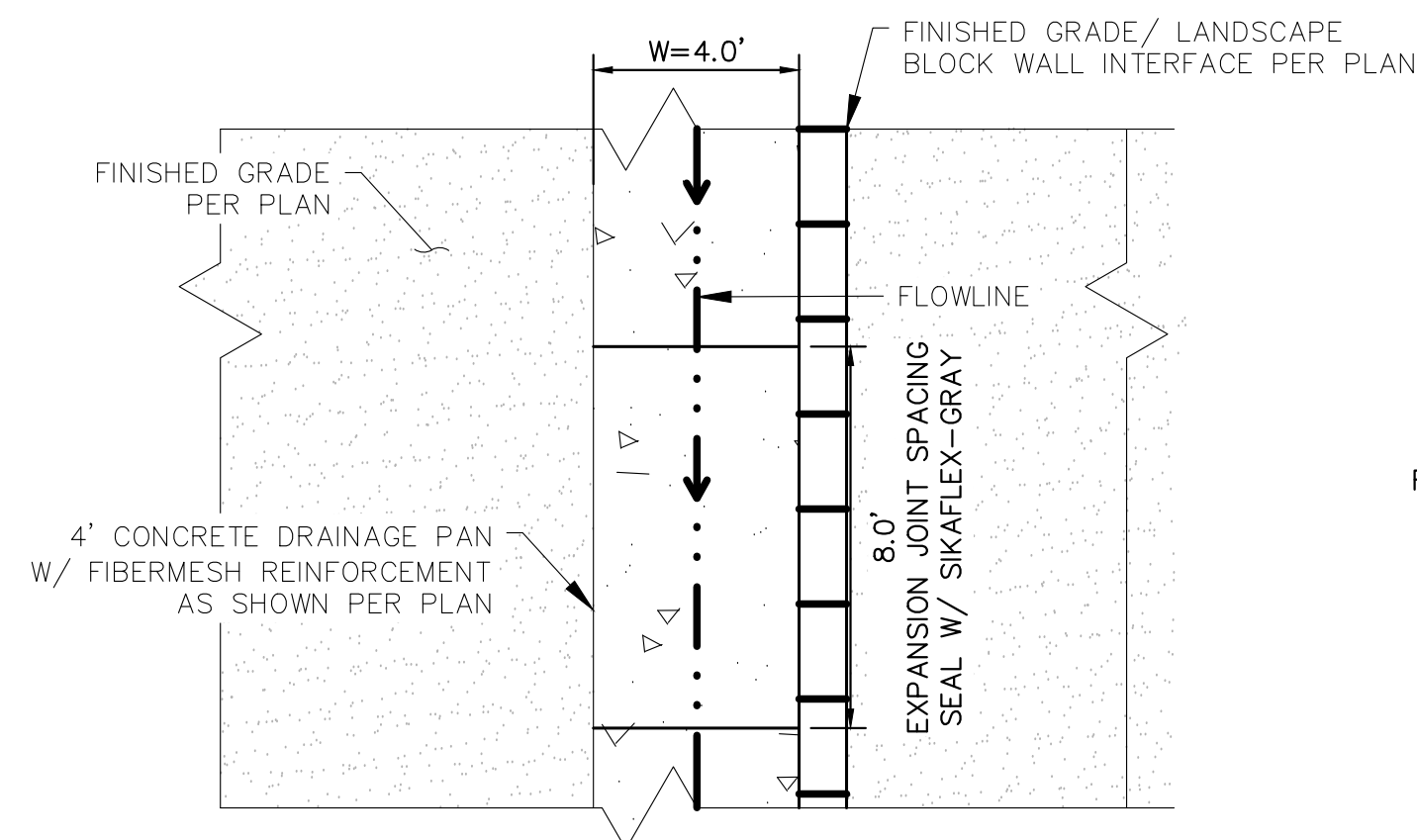


- * ROADWAY SLOPES, CROSS SLOPES, AND WIDTH VARY PER PLAN, SEE GRADING SHEETS AND SITE PLAN FOR ADDITIONAL DETAILS
- ** CONCRETE DRAINAGE PAN TO BE 4500 PSI FIBERMESH REINFORCED CONCRETE

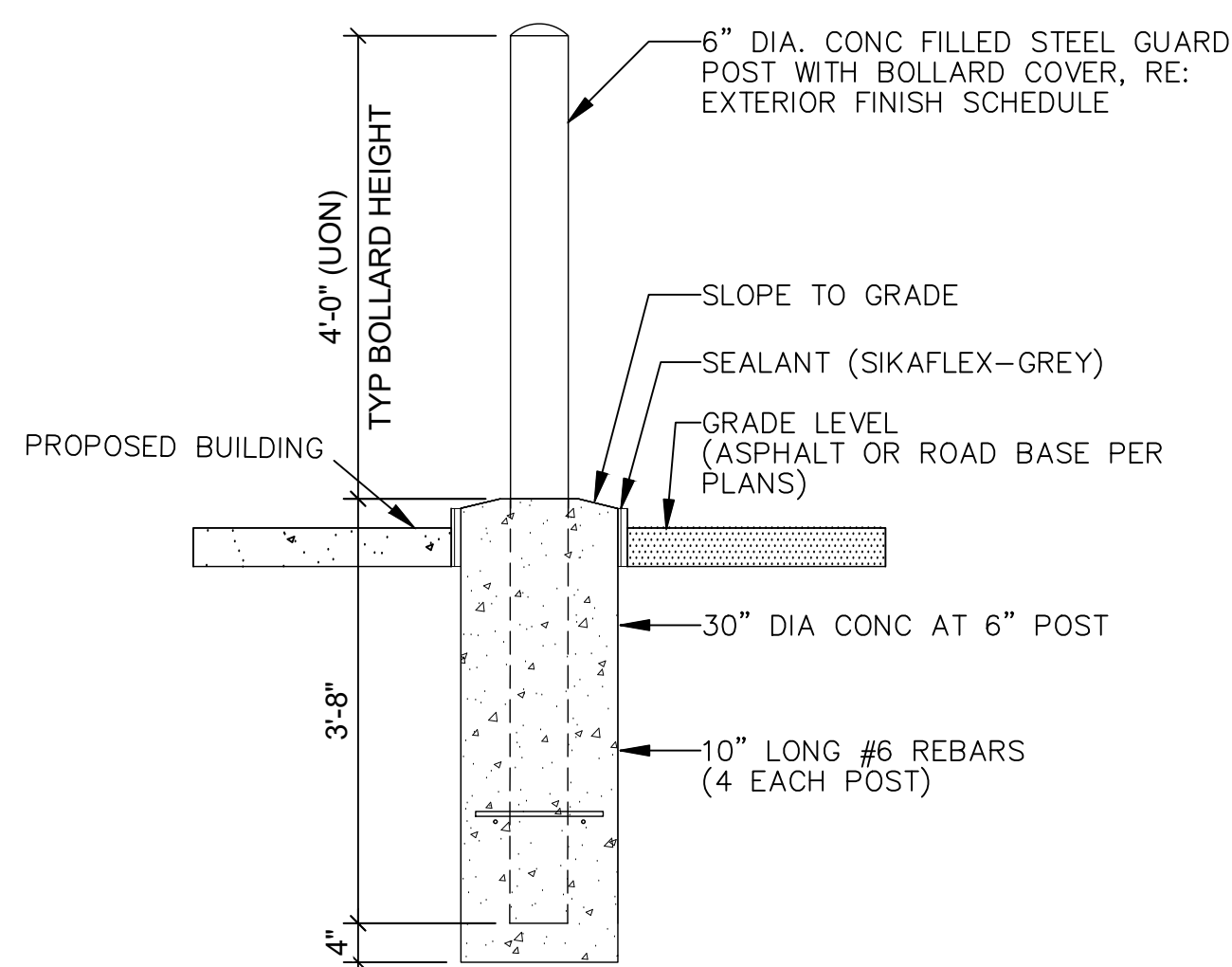
CONCRETE DRAINAGE PAN SECTION VIEW
N.T.S.



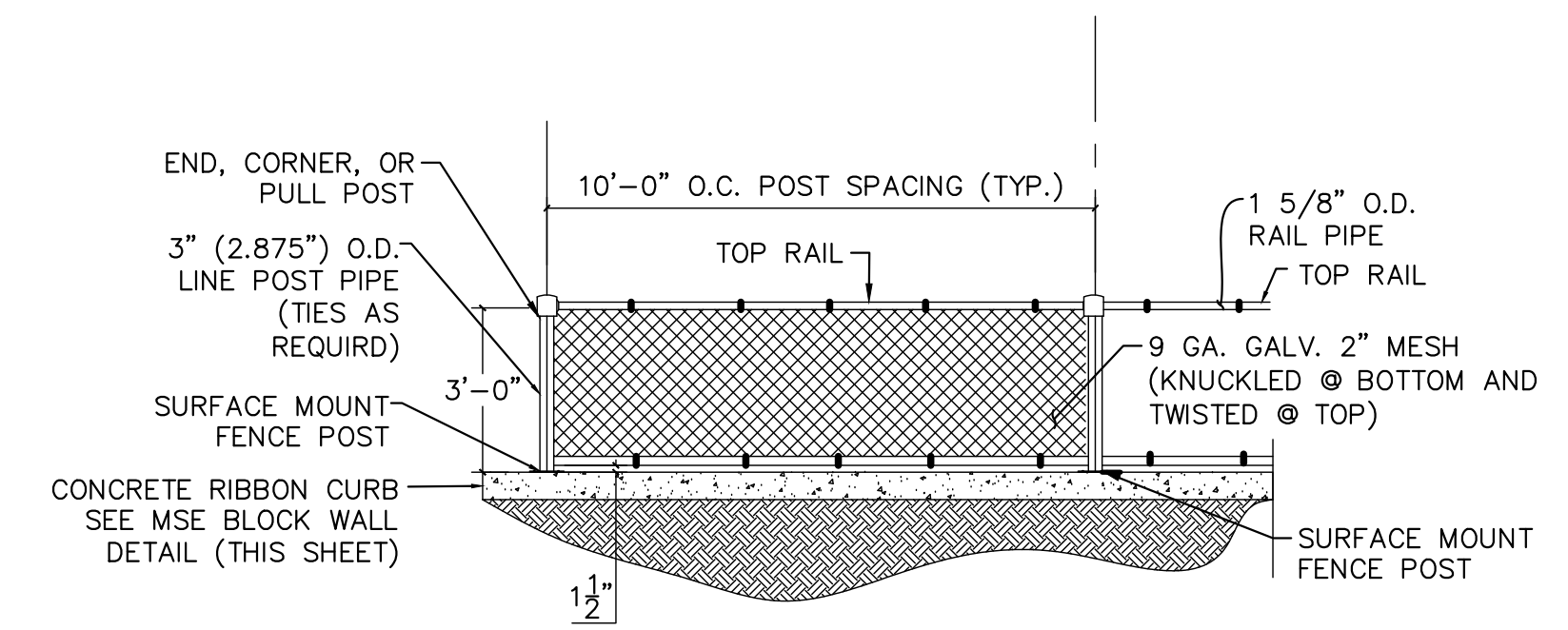
INSET: SECTION A
(SHEET C2.0)
N.T.S.



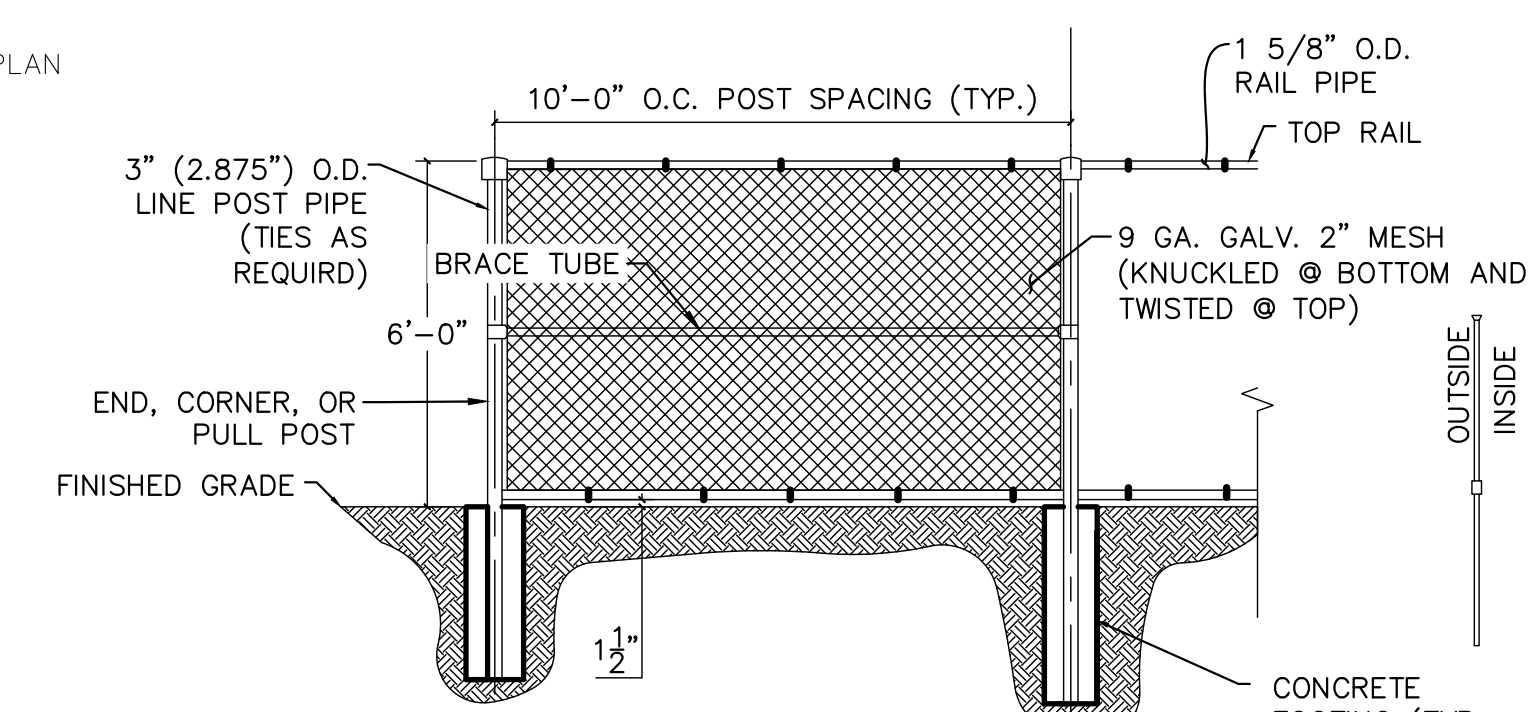
*** TRANSVERSE JOINTS TO BE SAWCUT TO 1/3 DEPTH OF CONCRETE (2IN)
DRAINAGE PAN PLAN VIEW
N.T.S.



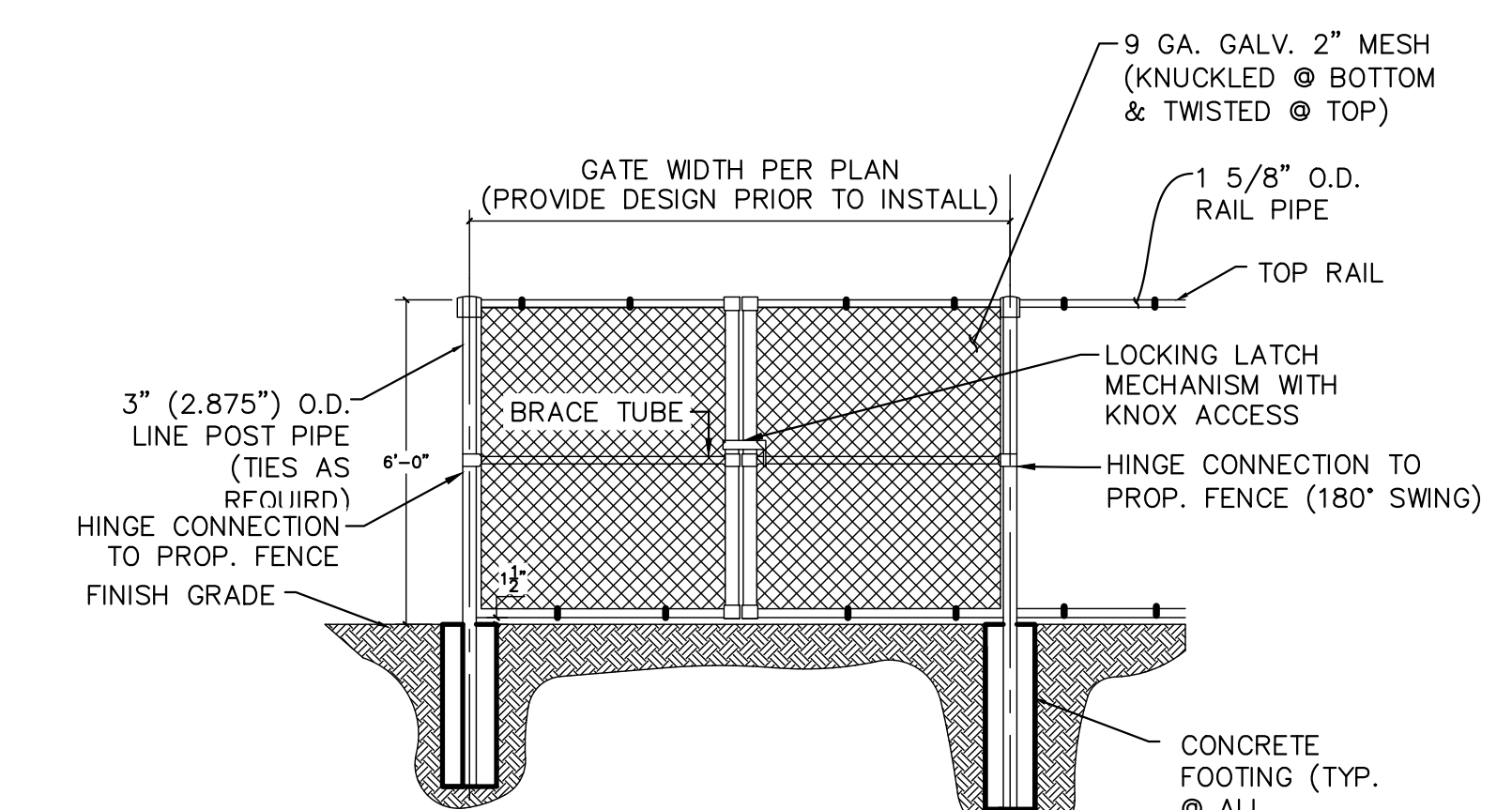
BOLLARD DETAIL
N.T.S.



* FENCE MFG. TO PROVIDE DESIGN FOR APPROVAL BEFORE INSTALLATION
CHAIN LINK FENCE DETAIL
(WALL APPLICATION)
N.T.S.



* FENCE MFG. TO PROVIDE DESIGN FOR APPROVAL BEFORE INSTALLATION
CHAIN LINK FENCE DETAIL
N.T.S.



* FENCE MFG. TO PROVIDE DESIGN FOR APPROVAL BEFORE INSTALLATION
CHAIN LINK FENCE GATE DETAIL
N.T.S.

PCD FILE NO. COM2346

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E.JG
DRAWN BY: RES
CHECKED BY: E.JG
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
CONSTRUCTION DETAILS



PROJECT NO.
196489000

SHEET

C6.1

K:\COS_Civil\196489000_Barbarick Waste Transfer\CADD\PlanSheets\COS_CD_DT-196489000.dwg Schmelbach, Ryan 4/12/2024 10:43 AM

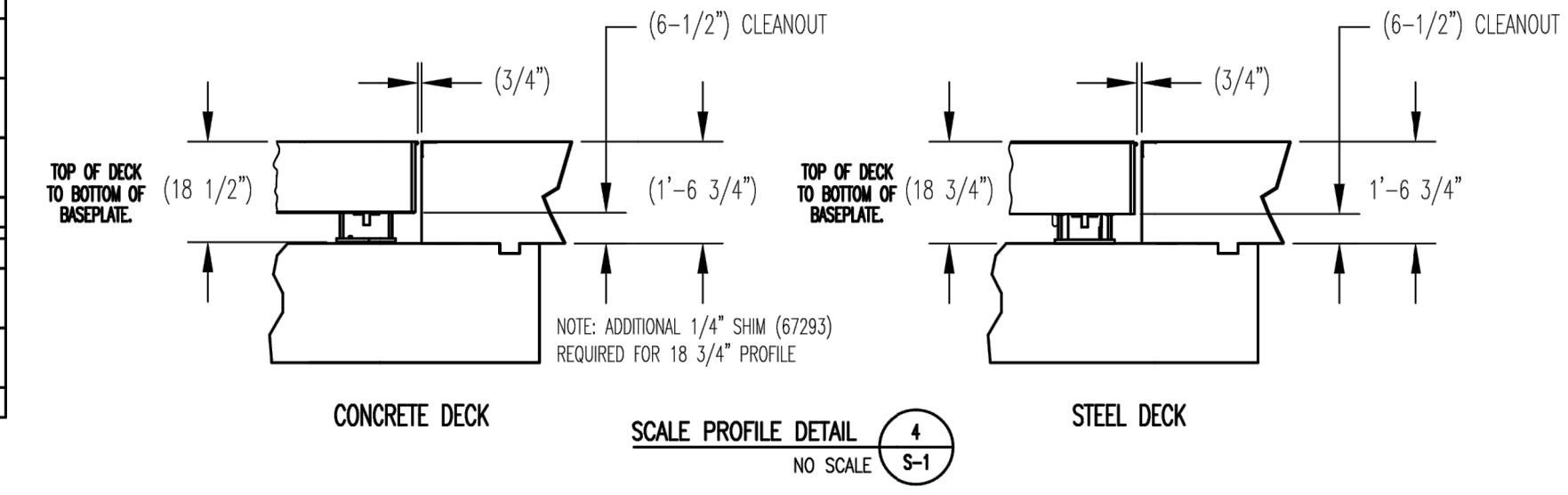
PART NO.	DIMENSION	
	A-A	B-B
99101 (40' X 10')	11'-0"	8'-2 1/4"
86587 (40' X 11')	12'-0"	9'-2 1/4"
99102 (40' X 12')	13'-0"	10'-2 1/4"

REBAR SCHEDULE				WEIGHT
BAR NO.	QUANTITY	BAR SIZE	LENGTH & DESCRIPTION	
A	34	#5	2'-0" @ 8" O.C.	71
B	48	#5	9'-6" @ 12" O.C.	475
C	144	#5	10'-6"	1573
D	34	#5	41'-6"	1467
TOTAL WEIGHT OF REBAR				3585

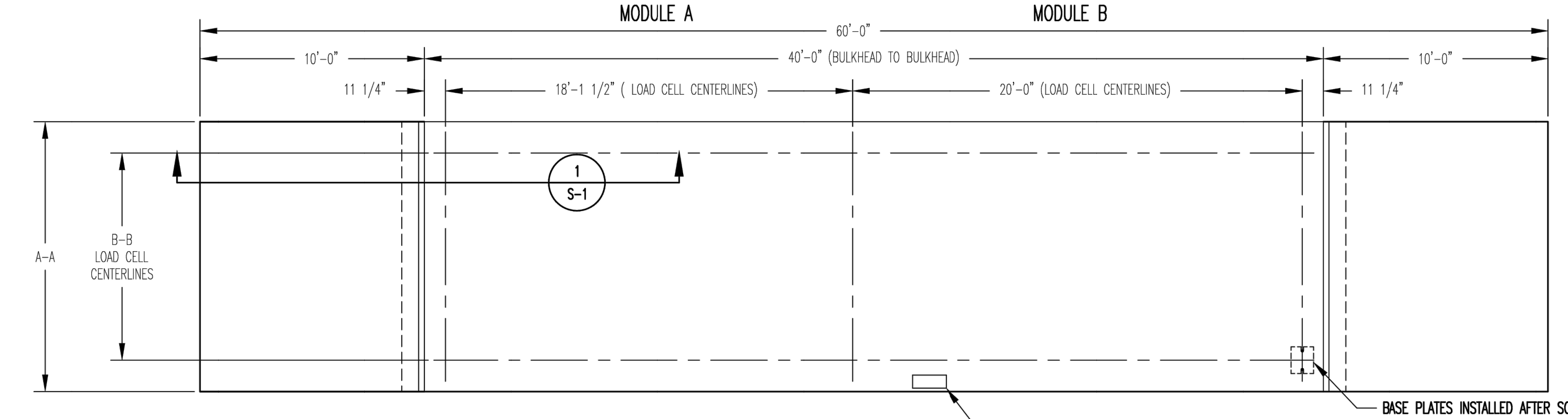
REBAR SCHEDULE				WEIGHT
BAR NO.	QUANTITY	BAR SIZE	LENGTH & DESCRIPTION	
A	36	#5	2'-0" @ 8" O.C.	75
B	52	#5	9'-6" @ 12" O.C.	514
C	144	#5	11'-6"	1722
D	36	#5	41'-6"	1554
TOTAL WEIGHT OF REBAR				3865

REBAR SCHEDULE				WEIGHT
BAR NO.	QUANTITY	BAR SIZE	LENGTH & DESCRIPTION	
A	38	#5	2'-0" @ 8" O.C.	79
B	56	#5	9'-6" @ 12" O.C.	553
C	144	#5	12'-6"	1872
D	38	#5	41'-6"	1640
TOTAL WEIGHT OF REBAR				4144

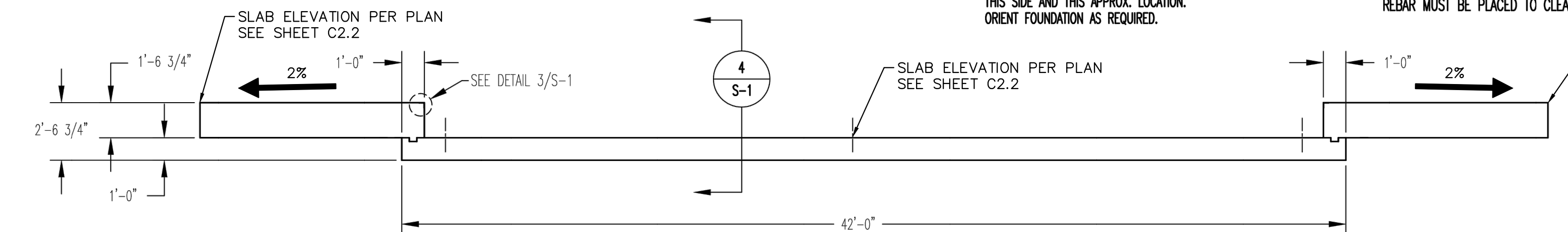
REVISIONS			
REV	REFERENCE	INIT	DATE
A	ADDED TABULATION	DS	2/7/07



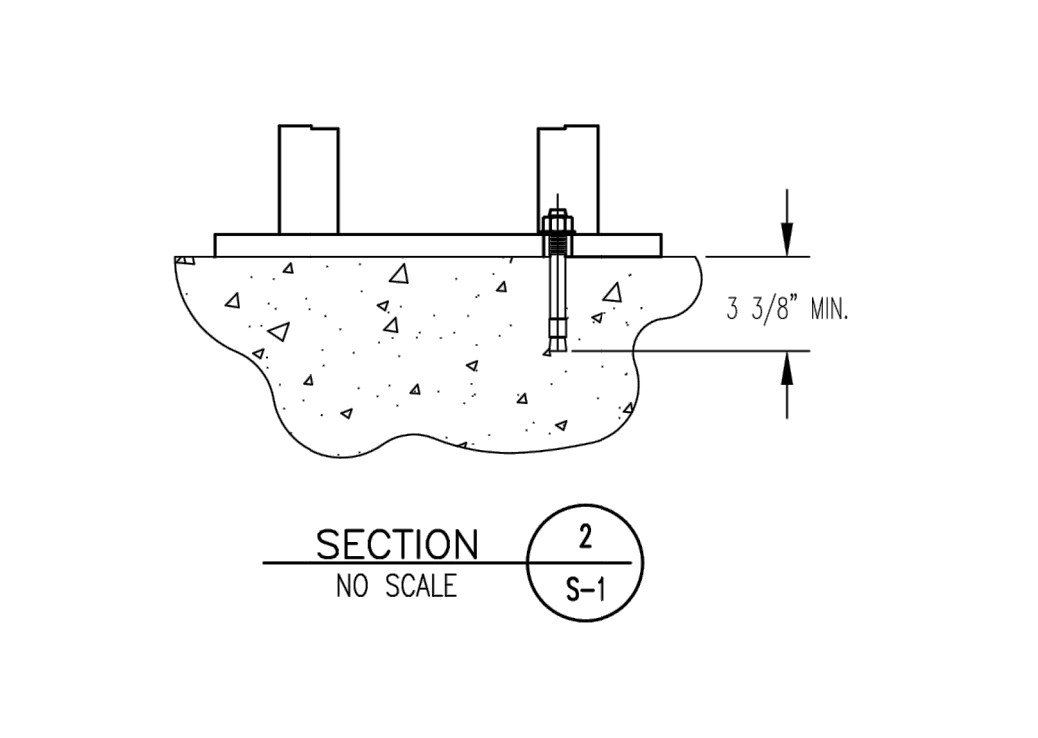
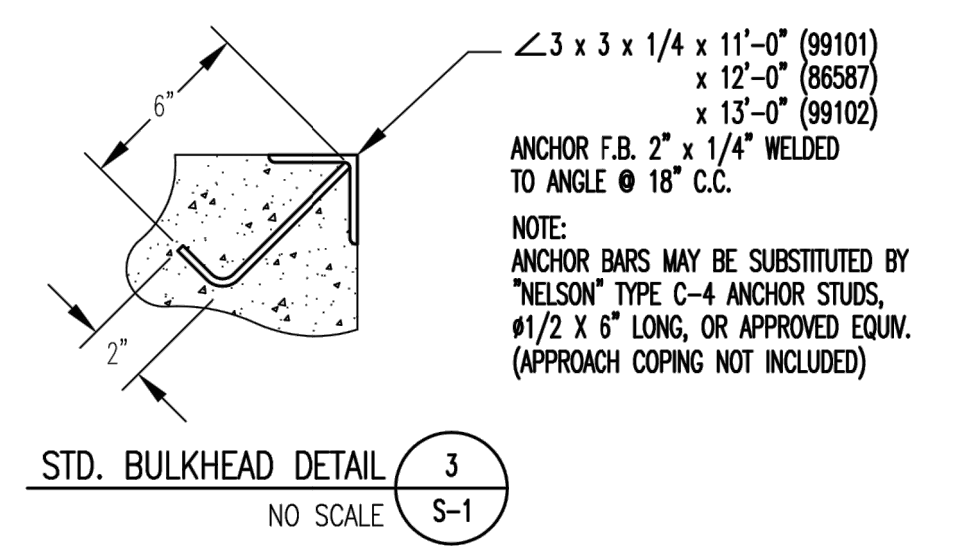
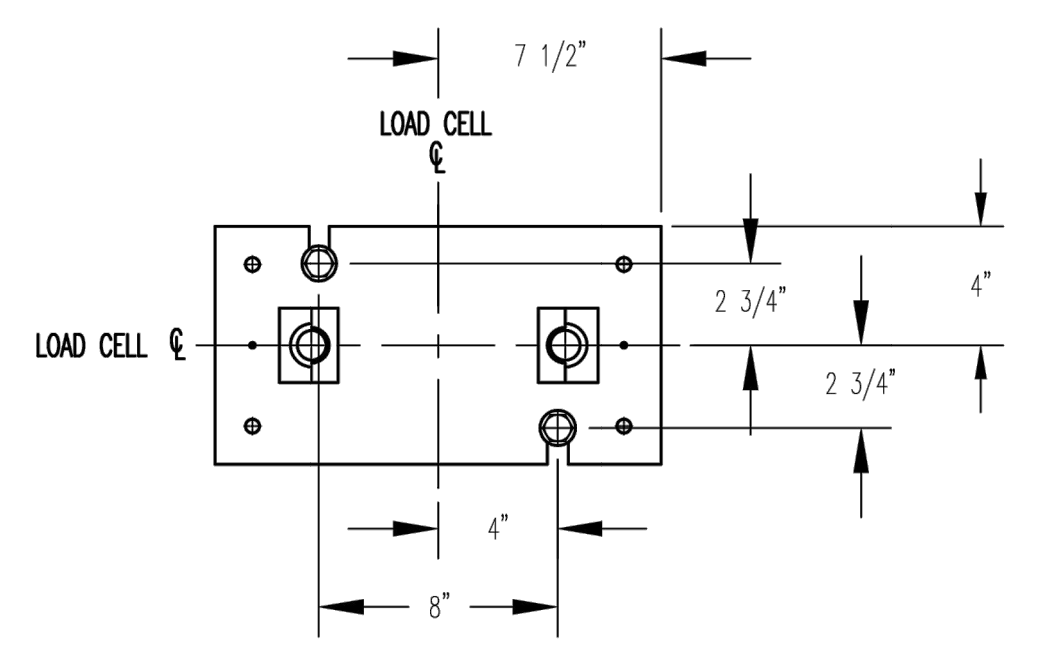
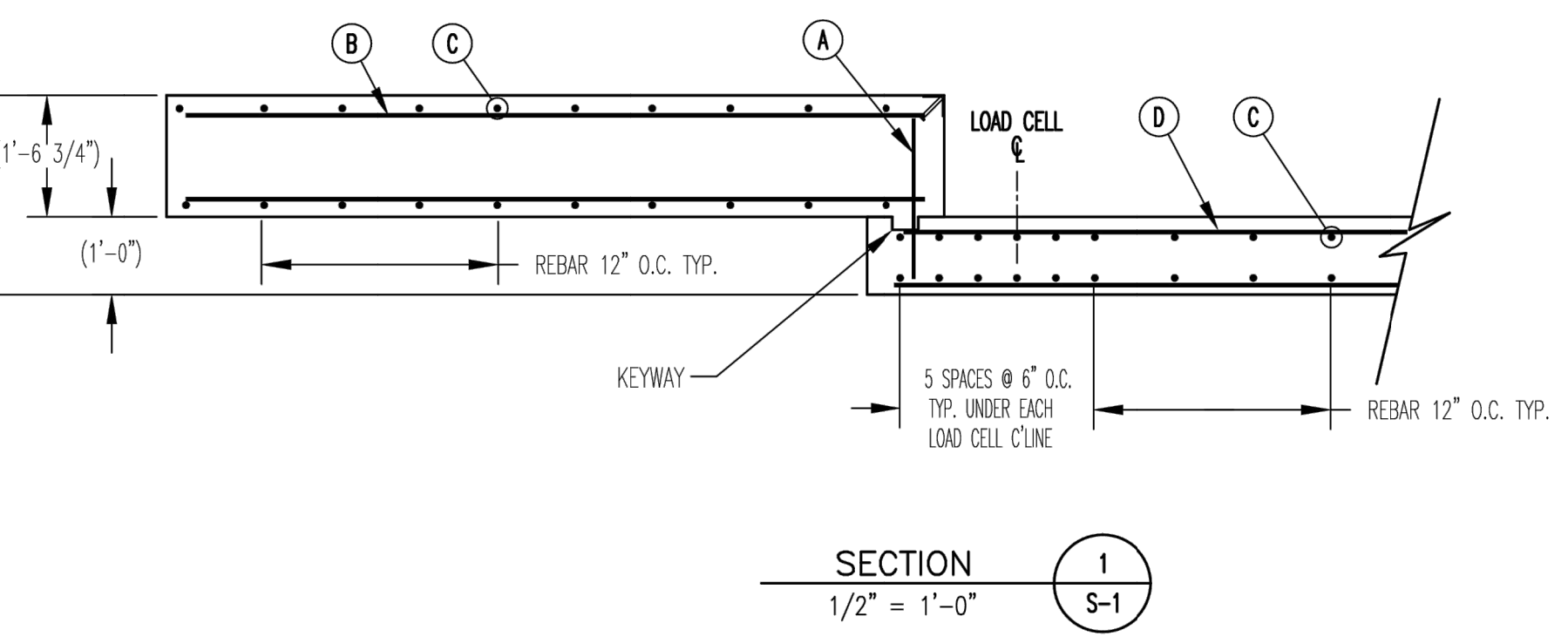
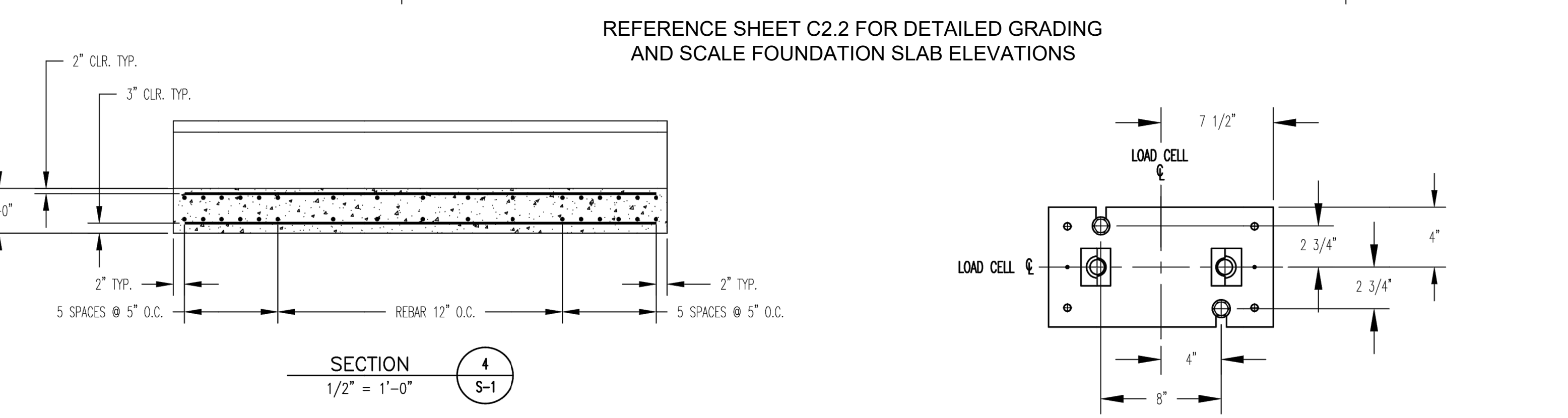
- NOTE:**
- DESIGN STRESSES:**
 - 1.1) CONCRETE: $f'_c = 4500$ PSI @ 28 DAYS, MAXIMUM SLUMP 2".
 - 1.2) REINFORCING STEEL: DEFORMED BARS ASTM A615 GRADE 60, UNLESS OTHERWISE NOTED.
 - 1.3) STEEL: STRUCTURAL ASTM A36
 - CONTRACTOR NOTE:**
 - 2.1) STRUCTURAL CONCRETE MEMBERS ARE DESIGNED FOR "IN PLACE" LOADS. CONTRACTOR IS RESPONSIBLE FOR BRACING ALL STRUCTURAL ELEMENTS (AS REQUIRED AT ANY STAGE OF CONSTRUCTION) UNTIL COMPLETION OF THIS PROJECT. SHOP DRAWINGS ARE SUBMITTED TO ARCHITECT/ENGINEER FOR APPROVAL (3 SETS REQUIRED).
 - 2.2) SOME STATES REQUIRE CONCRETE CLEANOUTS. CHECK WITH STATE AND LOCAL CODES BEFORE PROCEEDING WITH CONSTRUCTION.
 - 2.3) MONOLITHIC POUR OF SLAB AND PIERS IS ALLOWED, AT CONTRACTOR'S DISCRETION.
 - 2.4) STATE AND LOCAL AGENCIES MAY HAVE VARIOUS REQUIREMENTS FOR APPROACH RAMP LENGTH, PITCH, AND FOR CLEAN OUT HEIGHT. PLEASE CHECK WITH ALL AGENCIES PRIOR TO CONSTRUCTION.



- DIVISION 2**
- SITE PREPARATION:**
 - 3.1) FOOTINGS SHALL BEAR ON NATURAL UNDISTURBED SOIL OR ENGINEERED FILL.
 - 3.2) DEVELOP AND MAINTAIN SITE GRADES WHICH WILL RAPIDLY DRAIN SURFACE AND ROOF RUN-OFF AWAY FROM FOUNDATION.
 - 3.3) ALL FILL SHALL BE COMPACTED TO 95 - 98 PERCENT OF STANDARD PROCTOR DENSITY (ASTM 698).
 - 3.4) FOOTINGS HAVE BEEN DESIGNED FOR A MINIMUM SOIL PRESSURE OF 3000 PSF IN LIEU OF SOIL BORINGS. IT WILL BE THE RESPONSIBILITY OF OTHERS TO VERIFY THIS VALUE.



- DIVISION 3**
- CONCRETE:**
 - 4.1) CODE FOR REINFORCED CONCRETE ACI 318 LATEST EDITION.
 - 4.2) WHERE REINFORCING BARS ARE SHOWN CONTINUOUS, LAP SPLICE BARS 40 DIAMETERS.
 - 4.3) UNLESS SHOWN OTHERWISE, PROVIDE 2" CONCRETE COVER ON ALL REINFORCING STEEL (3" AT FOOTING REINF.).
 - 4.4) PROVIDE SUITABLE SUPPORT OF ALL REINFORCING TO PREVENT DISPLACEMENT DURING CURETING.
 - 4.5) ALL EXPANSION BOLTS SHALL BE "KwikBOLT", "WEJIT", OR EQUAL.
 - 4.6) ALL CONCRETE TO HAVE 5-8% ENTRAINED AIR BY VOLUME.
 - 4.7) CONCRETE SHOULD NOT CONTAIN FLY ASH.
 - 4.8) PORTLAND CEMENT: ASTM C150, TYPE 1; AGGREGATE - 3/4".
 - 4.9) WATER: CLEAN, POTABLE AND FREE OF DELETERIOUS AMOUNTS OF ACIDS, ALKALINES AND ORGANIC MATERIALS.
 - 4.10) CONCRETE: SHALL BE MAINTAINED ABOVE 50° F.; AND IN A MOIST CONDITION FOR AT LEAST 7 DAYS FOR NORMAL CONCRETE AND 3 DAYS FOR HIGH-EARLY STRENGTH CONCRETE. HOT AND COLD WEATHER PROTECTION ASTM C-94.
 - 4.11) THE CONCRETE SUPPLIER OR HIS REPRESENTATIVE SHALL TAKE A SET OF 3 CYLINDERS FOR EVERY TRUCK LOAD OF CONCRETE POURED, OR A MINIMUM OF ONE SET PER ANY ONE POUR. THE CYLINDERS WILL BE MARKED WITH THE LOCATION OF WHERE THEY WERE TAKEN, THE NUMBER OF THE TRUCK THAT HAULED THE CONCRETE AND THE DATE AND TIME THE CYLINDERS WERE TAKEN. THE CYLINDERS ARE TO BE TAKEN ACCORDING TO ACCEPTED PRACTICES BY ASTM C31, C39 AND C172 USING APPROVED CYLINDER FORMS.
 - 4.12) THE OWNER SHALL BE RESPONSIBLE FOR STORING THE CYLINDERS AND MAINTAINING THEM IN GOOD CONDITION.
 - 4.13) THE OWNER SHALL HAVE ONE CYLINDER FOR EACH SET BROKE AT 7 DAYS AND A SECOND CYLINDER OF EACH SET BROKE AT 28 DAYS BY AN APPROVED TESTING COMPANY. THE THIRD CYLINDER OF EACH SET SHALL BE RETAINED AT THE SITE.
 - 4.14) THE OWNER OR OWNER'S REP SHALL RECEIVE WRITTEN COPIES OF THE TESTING COMPANY'S REPORT IN A TIMELY MANNER, AND PROVIDE THEM TO THE MANUFACTURER AT THEIR REQUEST.
 - 4.15) CONTRACTOR MUST SUPPLY CONCRETE DESIGN MIX TO OWNER OR OWNER'S REP AND A/E PRIOR TO STARTING CONSTRUCTION.
 5. SLAB TO BE LEVEL WITHIN 1/4".
 6. APPROACHES TO BE A COMMON PLANE WITHIN 1/4".
 7. TOP OF REBAR MUST BE PLACED TO CLEAR THE ANCHOR BOLTS. ANCHOR BOLTS ARE TO BE INSTALLED AFTER FOUNDATION HAS CURED.



OWNER: _____

LOCATION: _____

SCALE DEALER: _____

CONTRACTOR: _____

REF: _____ DATE: _____

TITLE: FOUNDATION, CONCRETE SLAB 40' OTR SERIES TRUCK SCALES

DR. BY: SLJ CRD

DATE: 10/4/04 APPR

RICE LAKE WEIGHING SYSTEMS RICE LAKE WISCONSIN

SCALE: 1/4"=1'-0" SHEET 1 OF 1 REVISION A

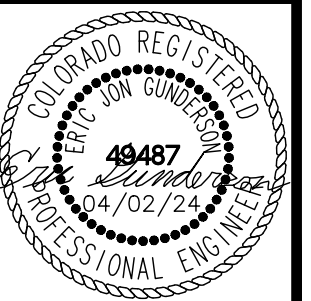
DWG NO: 86587

Kimley»Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: E:JG
DRAWN BY: RES
CHECKED BY: E:JG
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SCALE DETAIL

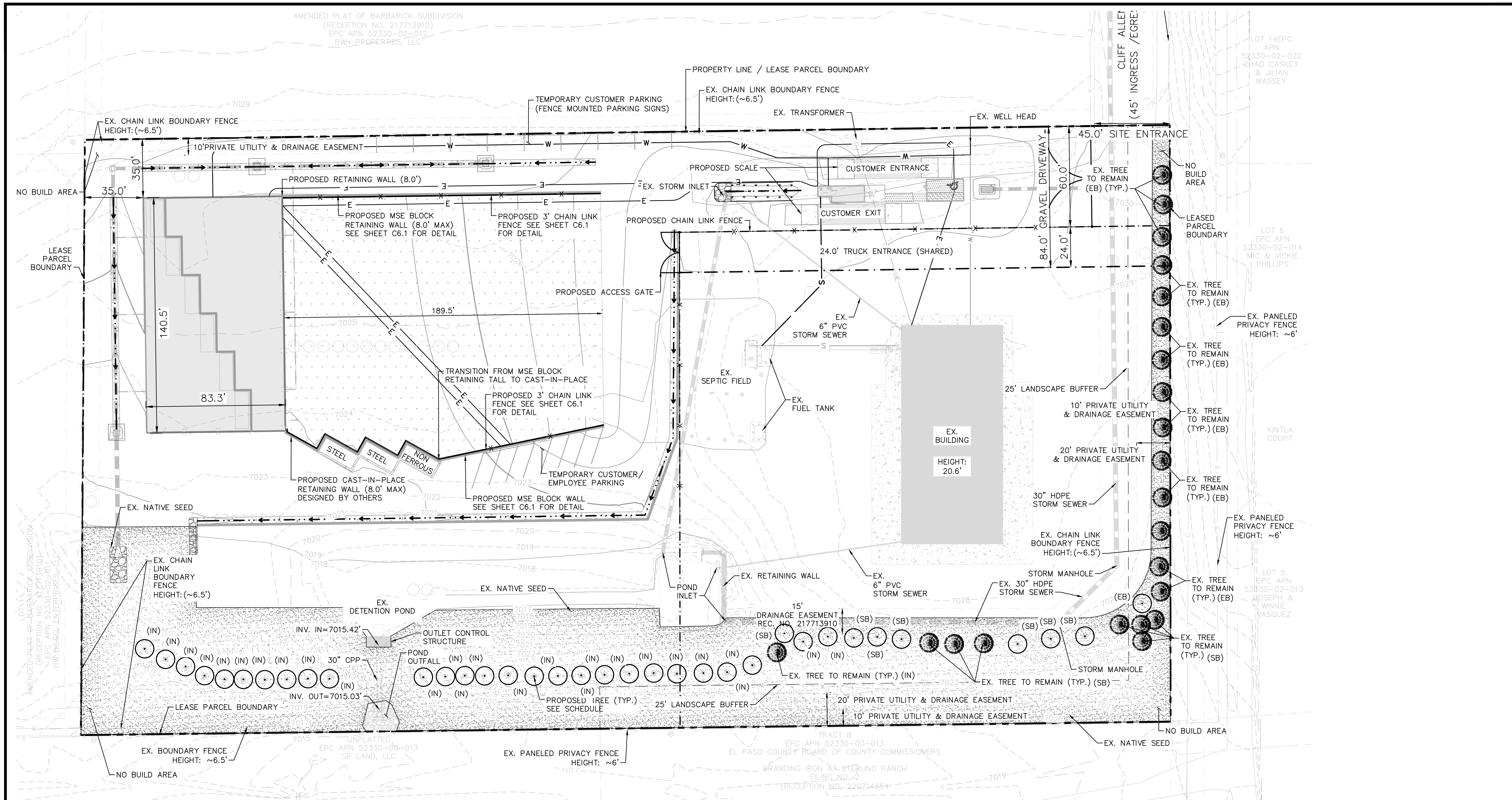


PROJECT NO. 196489000
SHEET

C6.3

PCD FILE NO. COM2346

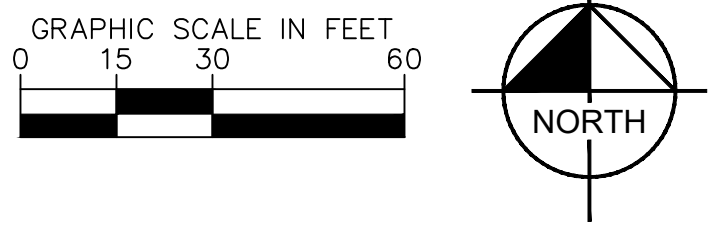
K:\COS_Civil\196489000_Borbarick Waste Transfer\CADD\PlanSheets\CDS\DP_LA.dwg Schnelbach, Ryan 4/12/2024 10:43 AM



PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT. SIZE	SIZE/CAL.	WIDTH	HEIGHT
EVERGREEN TREES							
PP	35		PINUS PONDEROSA / PONDEROSA PINE	B & B	6' HGT.	30-40'	60"
EXISTING TREES TO REMAIN							
EX	22	 EXISTING TREE TO REMAIN				
GROUND COVERS							
SEED	50,413 SF		EXISTING NATIVE SEED TO REMAIN / EPC LOW GROW MIX	SEED	PER CHART		PANNEE BUTTES SEED

NOTE: THIRTY-FOUR (34) OF THE ORIGINALLY PLANTED TREES HAVE DIED AND SHALL BE REPLACED WITH PONDEROSA PINES PER THE LANDSCAPE PLAN ABOVE.
NOTE: SEE DETAILS SHEET (L7.2) FOR CODE CHARTS



LEGEND

- — — — — PROPERTY LINE
- - - - - LEASED PARCEL BOUNDARY
- - - - - EXISTING UTILITY & DRAINAGE EASEMENT
- - - - - PROPOSED TRUCK TURN MOVEMENT
- - - - - EXISTING FENCE
- - - - - EXISTING STORM SEWER
- - - - - EXISTING GAS MAIN
- * EXISTING VEGETATION
- ⊕ EXISTING TRANSFORMER
- ▭ ▭ ▭ ▭ ▭ PROPOSED ASPHALT
- ▭ ▭ ▭ ▭ ▭ PROPOSED CONCRETE



CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND NEARBY UTILITIES

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: EJJ
DRAWN BY: RES
CHECKED BY: EJJ
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
LANDSCAPE PLAN



PROJECT NO. 196489000
SHEET L7.0

PCD FILE NO. COM2346

GENERAL LANDSCAPE SPECIFICATIONS

- A. SCOPE OF WORK**
- THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.
 - WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.
- B. PROTECTION OF EXISTING STRUCTURES**
- ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BEST MANAGEMENT PRACTICES (BMP) DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MAINTENANCE OF TRAFFIC (MOT) THAT MAY BE REQUIRED FOR THE PROJECT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR: REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERE TO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- C. PROTECTION OF EXISTING PLANT MATERIALS**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF FOUR HUNDRED DOLLARS (\$400) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.
 - SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE.
 - ALL TREES PROPOSED TO BE REMOVED WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE COORDINATED WITH THE FORESTRY DEPARTMENT FOR PERMIT PRIOR TO TREE REMOVAL.
- D. MATERIALS**
- 1. GENERAL**
- MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.
- | MATERIAL | SAMPLE SIZE |
|-------------|--|
| MULCH | ONE (1) CUBIC FOOT |
| TOPSOIL MIX | ONE (1) CUBIC FOOT |
| PLANTS | ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY) |
- 2. PLANT MATERIALS**
- FURNISH NURSERY-GROWN PLANTS TRUE TO GENUS, SPECIES, VARIETY, CULTIVAR, STEM FORM, SHEARING, AND OTHER FEATURES INDICATED IN PLANT SCHEDULE SHOWN ON DRAWINGS AND COMPLYING WITH ANSI Z60.1 AND THE COLORADO NURSERY ACT, AND WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK, DENSELY FOLIATED WHEN IN LEAF AND FREE OF DISEASE, PESTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT.
 - TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE.
 - NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE PROJECT LANDSCAPE ARCHITECT. ANY ROW TREES MUST BE APPROVED BY OFFICE OF THE CITY FORESTER.
 - PROVIDE PLANTS OF SIZES, GRADES, AND BALL OR CONTAINER SIZES COMPLYING WITH ANSI Z60.1 AND COLORADO NURSERY ACT FOR TYPES AND FORM OF PLANTS REQUIRED. PLANTS OF A LARGER SIZE MAY BE USED IF ACCEPTABLE TO PROJECT LANDSCAPE ARCHITECT WITH A PROPORTIONATE INCREASE IN SIZE OF ROOTS OR BALLS.
 - PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER. FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION. FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES, REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.
 - TREES WITH DAMAGED, CROOKED, OR MULTIPLE LEADERS; TIGHT VERTICAL BRANCHES WHERE BARK IS SQUEEZED BETWEEN TWO BRANCHES OR BETWEEN BRANCH AND TRUNK (INCLUDED BARK); CROSSING TRUNKS; CUT-OFF LIMBS MORE THAN 1/2 INCH (19 MM) IN DIAMETER; OR WITH STEM GIRDLING ROOTS WILL BE REJECTED.
 - FURNISH TREES AND SHRUBS WITH ROOTS BALLS MEASURED FROM TOP OF ROOT BALL, WHICH SHALL BEGIN AT ROOT FLARE ACCORDING TO ANSI Z60.1 AND COLORADO NURSERY ACT. ROOT FLARE SHALL BE VISIBLE BEFORE PLANTING.
 - LABEL AT LEAST ONE PLANT OF EACH VARIETY, SIZE, AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF COMMON NAME AND FULL SCIENTIFIC NAME, INCLUDING GENUS AND SPECIES. INCLUDE NOMENCLATURE FOR HYBRID, VARIETY, OR CULTIVAR, IF APPLICABLE FOR THE PLANT AS SHOWN ON DRAWINGS.
 - IF FORMAL ARRANGEMENTS OR CONSECUTIVE ORDER OF PLANTS IS SHOWN ON DRAWINGS, SELECT STOCK FOR UNIFORM HEIGHT AND SPREAD, AND NUMBER THE LABELS TO ASSURE SYMMETRY IN PLANTING.
- E. SOIL MIXTURE**
- CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:
 - SOIL MIXTURE SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
 - TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT OPENINGS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS OR OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER, HAVE A PH BETWEEN 5.5 AND 6.5, AND SOLUBLE SALTS LESS THAN 3.0 MMHOS/CM. SUBMIT SOIL SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
 - SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.
 - TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT THE PROJECT LANDSCAPE ARCHITECT TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.
- F. WATER**
- WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.
- * WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- G. FERTILIZER**
- CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE

- NATURALLY-DERIVED.
- * FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- H. MULCH**
- MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES CLEAR MULCH FROM EACH PLANT'S CROWN (BASE) OR AS SHOWN IN PLANTING DETAILS. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MULCH. DYED MULCH IS NOT ACCEPTABLE. SUBMIT SAMPLES TO PROJECT LANDSCAPE ARCHITECT FOR APPROVAL. MULCH SHALL BE PROVIDED OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE RING (6" MINIMUM) PLANTED UNDER THIS CONTRACT, AS WELL AS FOR ANY EXISTING LANDSCAPE AREAS AS SHOWN ON PLANS.
- I. DIGGING AND HANDLING**
- ALL TREES SPECIFIED SHALL BE BALLED AND BURLAPPED (B&B) UNLESS OTHERWISE APPROVED BY PROJECT LANDSCAPE ARCHITECT.
 - PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTI-TRANSPARENT PRODUCT ("WILT-PRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
 - B&B AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.
- J. CONTAINER GROWN STOCK**
- ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
 - AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
 - ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.
- K. MATERIALS LIST**
- QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE PLANS SHALL GOVERN. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.
- L. FINE GRADING**
- FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH.
 - ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.
- M. PLANTING PROCEDURES**
- THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, BUILDING MATERIALS, AND TOXIC MATERIAL SHALL BE COMPLETELY REMOVED FROM PLANTING AREAS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS IN PLANTING AREAS WHICH WILL ADVERSELY AFFECT THE PLANT GROWTH, THE CONTRACTOR SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
 - VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL COLORADO (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMESTONE AND LIMESTONE SUB-BASE FROM ALL PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMESTONE OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.
 - FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
 - COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEATED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE SHALL BE EXERCISED.
 - WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
 - ALL PLANTING OPENINGS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH ANSI Z60.1-2014 AMERICAN STANDARD FOR NURSERY STOCK.
 - TEST ALL TREE OPENINGS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL.
 - TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN.
 - PRIOR TO EXCAVATION OF TREE OPENINGS, AN AREA EQUAL TO TWO TIMES THE DIAMETER OF THE ROOT BALL SHALL BE ROUGH-TILLED TO A DEPTH EQUAL TO THE DEPTH OF THE ROOT BALL.
 - EXCAVATION OF TREE OPENINGS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.
 - IN CONTINUOUS SHRUB AND GROUND COVER BEDS, THE ROUGH-TILLED PERIMETER SHOULD EXTEND TO A DISTANCE OF ONE FOOT BEYOND THE DIAMETER OF A SINGLE ROOT BALL. THE BED SHALL BE TILLED TO A DEPTH EQUAL TO THE ROOT BALL DEPTH PLUS 6".
 - TREE OPENINGS FOR WELL DRAINED SOILS SHALL BE DUG SO THAT THE BOTTOM OF THE ROOT BALL WILL REST ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL WILL BE FLUSH WITH FINISH GRADE. IN POORLY DRAINED SOILS THE TREE OPENING SHALL BE DUG SO THAT THE ROOT BALL RESTS ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL IS 1" ABOVE FINISH GRADE. PLANT PIT WALLS SHALL BE SCARIFIED PRIOR TO PLANT INSTALLATION.
 - TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
 - SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION 'E'.
 - TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
 - AMEND PINE AND OAK PLANT OPENINGS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURERS

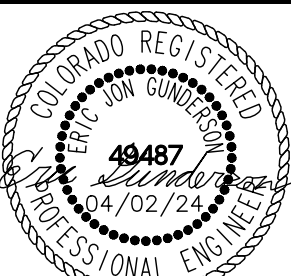
- RECOMMENDATION. ALL OTHER PLANT OPENINGS SHALL BE AMENDED WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
- FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE.
 - ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
 - TREES SHALL BE PRUNED, IN ACCORDANCE WITH ANSI A-300, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST.
 - SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOWN ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
 - TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
 - ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S RECOMMENDATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)
- N. LAWN SODDING**
- THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
 - ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
 - PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.
 - SODDING
 - THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.
 - SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS ADJACENT TO BUILDINGS. A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED IMMEDIATELY FOLLOWING SOD LAYING. THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
 - DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.
 - LAWN MAINTENANCE
 - WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERRORED, SUNKEN OR BARE SPOTS LARGER THAN 12"X12" UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDINGS SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK, INCLUDING REGRADING IF NECESSARY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.
- O. EDGING**
- CONTRACTOR SHALL INSTALL 4"x3" ROLLED TOP STEEL EDGING BETWEEN ALL SOD/SEED AREAS AND PLANTING BEDS.
- P. CLEANUP**
- UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM CONTRACTORS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- Q. PLANT MATERIAL MAINTENANCE**
- ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, PRUNING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
- R. FINAL INSPECTION AND ACCEPTANCE OF WORK**
- FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.
- S. WARRANTY**
- THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
 - ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.
 - IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH.
- T. PARKING LOT ISLAND NOTE**
- THE SOIL OF ANY PLANTER WITHIN THE PARKING LOT SHALL BE STRUCTURALLY RENOVATED (TILLED) OR REMOVED TO A DEPTH OF THIRTY INCHES (30") AND REPLACED WITH AN ACCEPTABLE GROWING MEDIUM FOR THE SPECIES INDICATED FOR INSTALLATION.
- U. MAINTENANCE**
- LANDSCAPE IMPROVEMENTS AND MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE OWNER, AND/OR THEIR ASSIGNS.
 - ALL STREET TREES AND STREETScape IMPROVEMENTS LOCATED IN THE R.O.W. WILL BE MAINTAINED BY THE ADJUTING PROPERTY OWNER.



2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: EJC
DRAWN BY: RES
CHECKED BY: EJC
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
LANDSCAPE NOTES



PROJECT NO.
196489000

SHEET

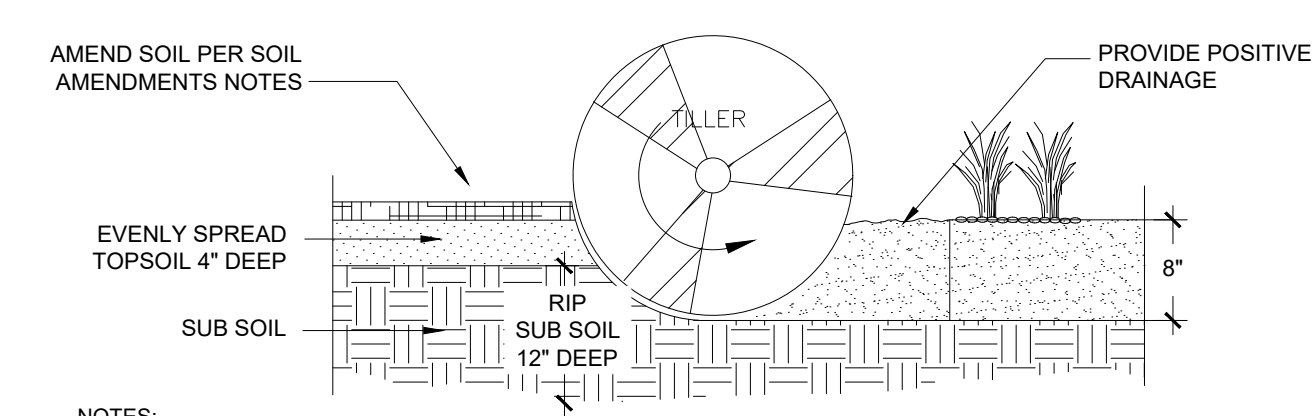
L7.1



PCD FILE NO. COM2346

LANDSCAPE SETBACKS AND BUFFERS					
STREET NAME OR BOUNDARY:	NORTH BNDY	SOUTH BNDY	SOUTH BUFFER	EAST BUFFER	WEST BNDY
ZONE DISTRICT BOUNDARY:	NO	NO	YES	YES	NO
STREET CLASSIFICATION:	N/A	N/A	N/A	N/A	N/A
SETBACK DEPTH REQUIRED / PROVIDED:	0 / 0	0 / 0	25' / 25'	15' / 15'	0 / 0
LINEAR FOOTAGE:	647'	310'	340'	356'	355'
TREE PER FEET REQ.:	N/A	N/A	1 TREE PER 25 LF	1 TREE PER 25 LF	N/A
NUMBER OF TREES REQ. / PROV.:	N/A	N/A	14 / 14	15 / 15	N/A
EVERGREEN TREES REQ. / PROV.:	N/A	N/A	5 / 14	5 / 15	N/A
SHRUB SUBSTITUTES REQ. / PROV.:	N/A	N/A	N/A	N/A	N/A
ORN. GRASS SUBSTITUTES REQ. / PROV.:	N/A	N/A	N/A	N/A	N/A
OPAQUE SCREEN REQ. / PROV.:	N/A	N/A	340' / 340'	N/A	N/A
PLANT ABBREVIATION DENOTED ON PLAN:	N/A	N/A	SB	EB	N/A
% GROUND PLANE VEG. REQ. / PROV.:	N/A	N/A	75% / 100%	75% / 75%	N/A

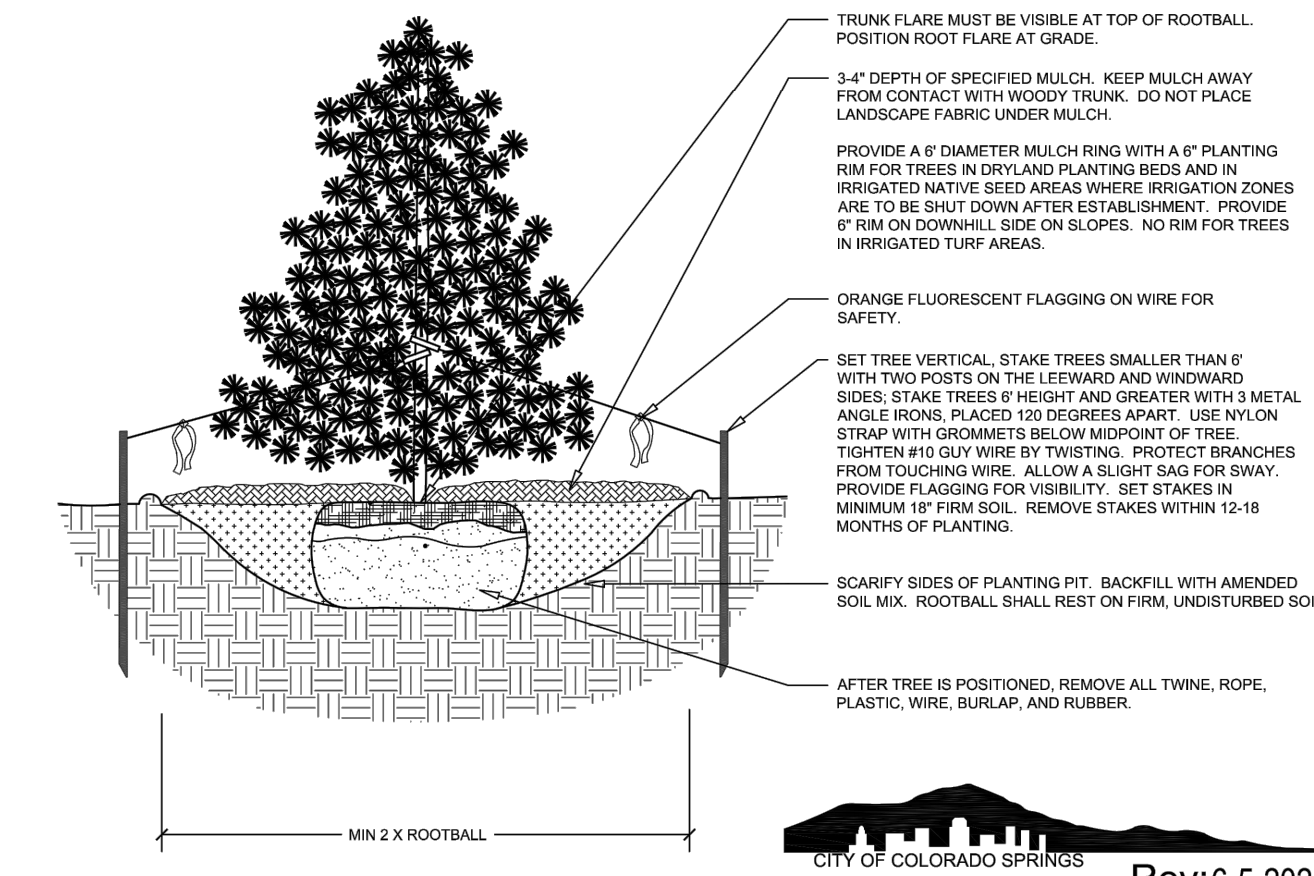
INTERNAL LANDSCAPING	
GROSS SITE AREA:	230,422 SF (5.29 AC)
PERCENT MINIMUM INTERNAL AREA:	5%
INTERNAL LANDSCAPE AREA REQ. / PROV.:	11,521 SF / 50,413 SF
TREE PER FEET REQ.:	1 TREE PER 500 SF
INTERNAL TREES REQ. / PROV.:	23 / 28
SHRUB SUBSTITUTES REQ. / PROV.:	N/A
ORN. GRASS SUBSTITUTES REQ. / PROV.:	N/A
PLANT ABBREVIATION DENOTED ON PLAN:	IN
% GROUND PLANE VEG. REQ. / PROV.:	75% / 100%



- NOTES:
1. TOPSOIL TO CONSIST OF DARK, LIGHT LOAM SOIL FREE OF ROCKS, ROOTS, AND FOREIGN MATERIALS.
 2. THE FERTILIZER APPLICATION SHOULD BE DELAYED IF PLANTING DOES NOT OCCUR WITHIN 2-3 DAYS OF FERTILIZING.
 3. COMPOST TO CONSIST OF 1 YEAR OLD ORGANIC MATERIAL AND SHOULD NOT INCLUDE CHICKEN MANURE.
 4. FROZEN MATERIALS OR MATERIALS GREATER THAN 1" DIA. SHOULD BE REMOVED.
 5. REFER TO SPECS FOR COMPLETE SOIL PREPARATION REQUIREMENTS.
 6. THE ROTO-TILLED PERIMETER SHOULD EXTEND TO A DISTANCE OF 1 FOOT BEYOND THE DIAMETER OF A SINGLE ROOT BALL.

1 SOIL PREP
NTS 196-489-000-01

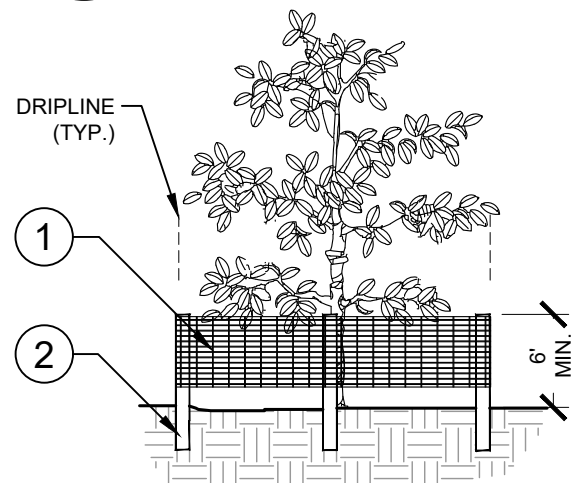
- NOTES:
1. DO NOT REMOVE OR CUT LEADER.
 2. PRUNE ONLY DEAD OR BROKEN BRANCHES IMMEDIATELY PRIOR TO PLANTING.
 3. DO NOT REMOVE ANY DOUBLE LEADER, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.
 4. KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
 5. AMENDED BACKFILL SHALL BE 1/3 COMPOST (PREFERABLY CLASSIFIED) AND 2/3 NATIVE AND/OR IMPORTED TOPSOIL.
 6. MARK THE NORTH SIDE OF TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE, WHENEVER POSSIBLE.
 7. PINE AND SPRUCE TREES TO BE SPRAYED FOR IPS BARK BEETLE PRIOR TO PLANTING. COORDINATE WITH CITY FORESTRY FOR CURRENT INSECT AND DISEASE RECOMMENDATIONS PRIOR TO PLANTING.
 8. ALL TREES TO BE DEEP WATERED AT TIME OF PLANTING.
 9. ALL TREES LOCATED IN ROCK/COBBLE BEDS SHALL HAVE A 36 INCH DIAMETER WOOD MULCH RING.



2 EVERGREEN TREE PLANTING
NTS 196-489-000-12

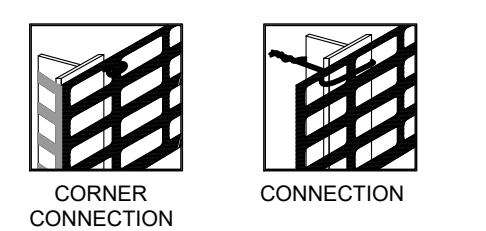
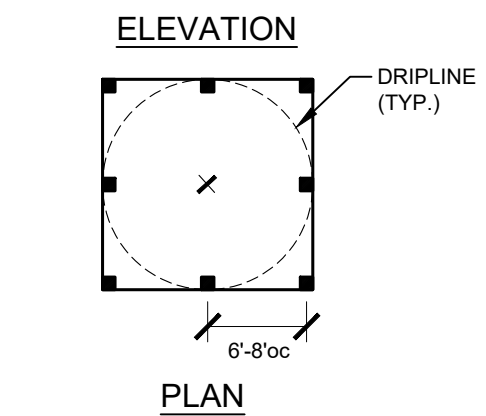
Table B. El Paso County All-Purpose Low Grow Mix for Upland and Transition Areas

Common Name	Scientific Name	Growth Season/Form	% of Mix	Pounds PLS		
				Irrigated broadcast Irrigated hydroseeded (80 seeds/sq ft)	non-irrigated broadcast non-irrigated hydroseeded irrigated drilled (40 seeds/sq ft)	non-irrigated drilled (20 seeds/sq ft)
Buffalograss	<i>Buchloe dactyloides</i>	Warm, sod	25	9.6	4.8	2.4
Blue Grama	<i>Bouteloua gracilis</i>	Warm, bunch	20	10.8	5.4	2.7
Sideoats Grama	<i>Bouteloua curtipendula</i>	Warm, bunch	29	5.6	2.8	1.4
Green Needlegrass	<i>Nassella viridula</i>	Cool, bunch	5	3.2	1.6	0.8
Western Wheatgrass	<i>Pascopyrum smithii</i>	Cool, sod	20	12.0	6.0	3.0
Sand Dropseed	<i>Sporobolus cryptandrus</i>	Warm, bunch	1	0.8	0.4	0.2
Seed rate (lbs PLS/acre)				42.0	21.0	10.3



1. 6" PERIMETER PLUS CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8" TALL METAL "T" POSTS OR 2" X 2" X 8" PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

- INSTALLATION NOTES:
- A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
 - B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6" POST SHOULD BE SET AT LEAST 2" INTO THE GROUND.
 - C. SPACE POSTS EVERY 6" (MIN.) TO 8" (MAX.).
 - D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.



NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

3 TREE PROTECTION FENCING
ELEVATION / PLAN NTS

Kimley»Horn
2024, KIMLEY-HORN AND ASSOCIATES, INC.
2 North Inland Avenue, Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: EJJ
DRAWN BY: RES
CHECKED BY: EJJ
DATE: 4/2/2024

BARBARICK WASTE TRANSFER STATION
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
LANDSCAPE DETAILS



PROJECT NO.
196489000
SHEET
L7.2



CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND NEARBY UTILITIES