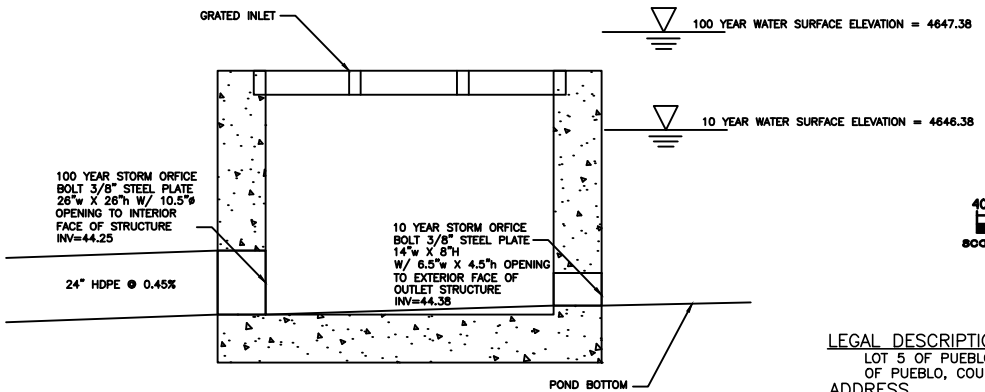
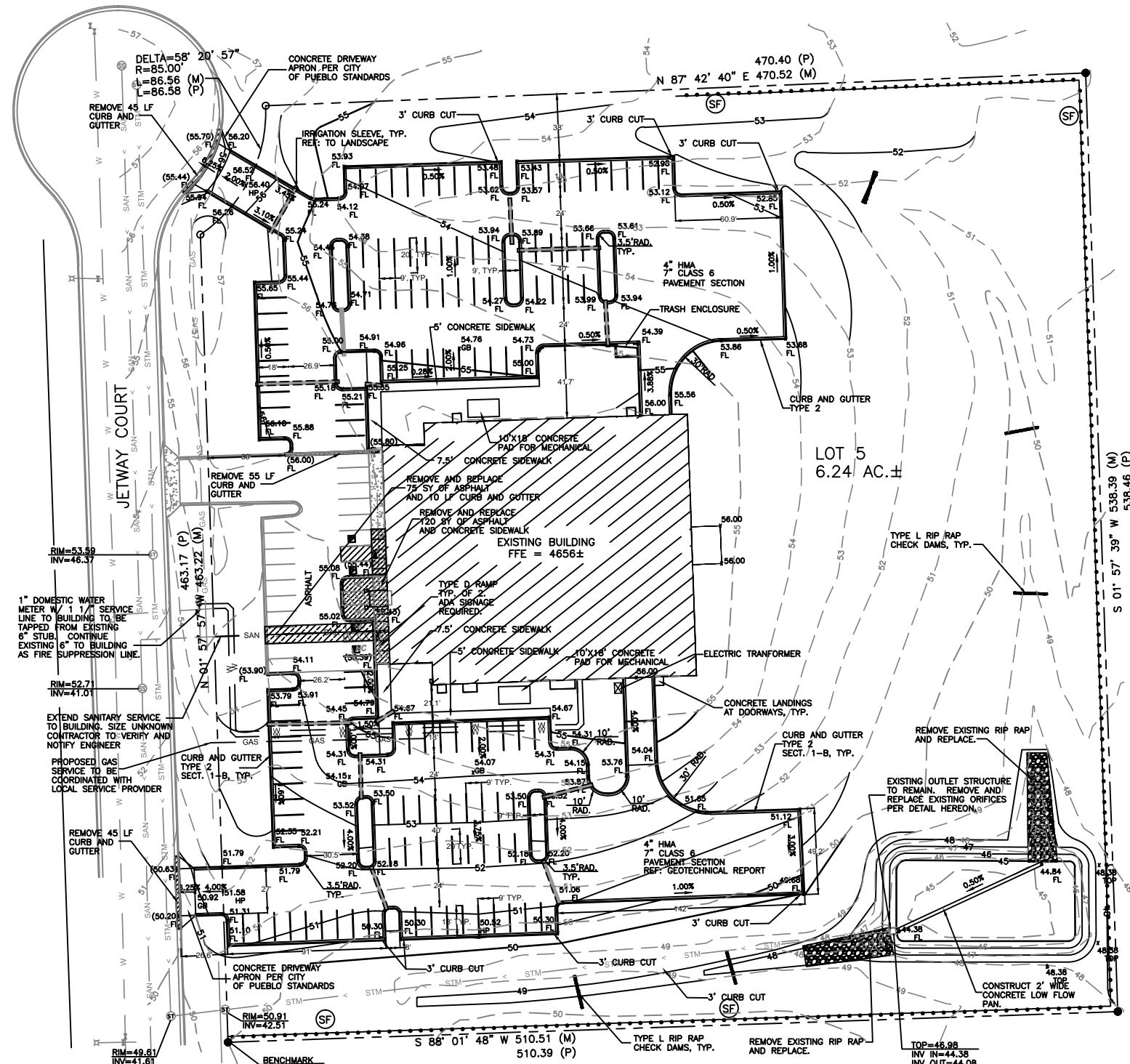
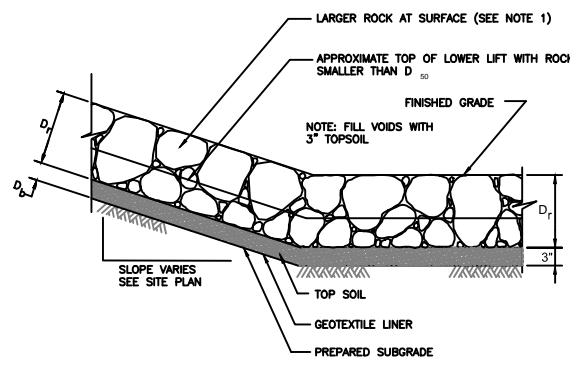


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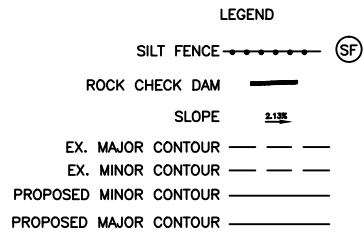
MODIFICATIONS TO EXISTING OUTLET STRUCTURE



RIPRAP AND RIPRAP SOIL DETAIL
(SECTION IIB)
(6" BARRIER)
SCALE: N.T.S.

RIPRAP TYPE	D ₅₀	D ₁₀ FOR THIS PROJECT	D ₁₅ FOR THIS PROJECT
VL	6	11	12
L	9	16	18
M	12	21	24
H	18	32	36
VH	24	42	48

D₁₅ = STANDARD DEPTH OF RIPRAP LAYER - SEE TABLE ABOVE

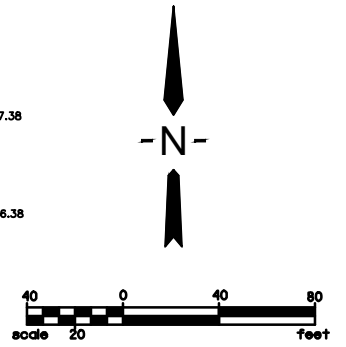


NOTE: REFER TO MECHANICAL DRAWINGS FOR UTILITY TIE-IN LOCATIONS AT BUILDING.

CAUTION
THE CONTRACTOR IS RESPONSIBLE FOR GIVING PRIOR NOTICE TO OWNERS OF ANY UNDERGROUND UTILITIES WHERE CONSTRUCTION ACTIVITIES ARE PLANNED. CALL UTILITY NOTIFICATION CENTER AT LEAST 3 DAYS PRIOR TO ANY EXCAVATION OR TRENCHING WORK AT 1-800-922-1987.

I HEREBY CERTIFY THAT THIS DRAINAGE PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION.

JAMES D. HAYSON DATE




LEGAL DESCRIPTION
LOT 5 OF PUEBLO MEMORIAL AIRPORT PARK SUBDIVISION 3RD FILING, CITY OF PUEBLO, COUNTY OF PUEBLO, STATE OF COLORADO.

- GENERAL NOTES**
- THIS PLAN IS PART OF A COMPLETE SET OF ARCHITECTURAL PLANS AND SHALL BE CONSIDERED INCOMPLETE WITHOUT THE REMAINING PLAN SET.
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITION IN THE FIELD PRIOR TO COMMENCING WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO COMMENCING WORK.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.
 - ALL BUILDING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (I.B.C.), AND ANY OTHER CODES OF APPLICABLE REGULATORY AGENCIES.
 - ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF PUEBLO STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE.
 - THE CONTRACTOR SHALL PERFORM ALL EXCAVATION, BACKFILL, COMPACTION, SUBGRADE PREPARATION, UTILITY TRENCHING, ETC. IN ACCORDANCE WITH THE PLANS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING ROADWAYS, DRIVES, STRUCTURES, ETC. DAMAGE TO EXISTING IMPROVEMENTS THAT ARE NOT TO BE DISTURBED SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE OWNER OR THE CITY OF PUEBLO.
 - CONCRETE FOR CURB AND GUTTER, CONCRETE PANS, ETC. SHALL BE 4000 PSI AT 28 DAYS, 6 SACK MIX, TYPE 11-V CEMENT, WITH 6% ±2% AIR ENTRAINMENT, SLUMP 3"-5" MAX.
 - CONSTRUCTION JOINTS IN CONCRETE SHALL BE CUT TO A DEPTH OF 1/4 OF TOTAL SECTION THICKNESS. CONSTRUCTION JOINTS SHALL BE PLACED AS FOLLOWS:
SIDEWALK - 5' INTERVALS
CONCRETE PANS - 10' INTERVALS
CURB AND GUTTER - 10' INTERVALS
 - EXPANSION JOINTS SHALL BE 1/2-INCH NON-EXTRUDING PREMOULDED TYPE. EXPANSION JOINTS SHALL BE AS PER THE SITE PLAN OR AS REQUIRED. EXPANSION JOINTS SHALL NOT EXCEED 100-FOOT INTERVALS AND SHALL ALSO BE PLACED BETWEEN CURB AND SIDEWALK AND WHERE SIDEWALKS ADJOIN BUILDING FOUNDATION WALLS. EXPANSION JOINTS IN CURB AND GUTTER SHALL NOT EXCEED 100-FOOT INTERVALS, AND AS INDICATED BY THE CITY OF PUEBLO STANDARD DETAILS. IN CURB AND GUTTER, INSTALL AT LEAST TWO #6 SMOOTH REBAR DOWELS, 12" LONG, ACROSS EXPANSION JOINTS TO INHIBIT VERTICAL DISPLACEMENT AT THE JOINT. REFER TO SD7 OF CITY OF PUEBLO STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAILS.
 - ALL PARKING STRIPING SHALL BE 4" WIDE WHITE. PAINT CURB HEAD IN HANDICAP AREAS WITH BLUE PAINT.
 - HANDICAP PARKING SIGNS SHALL BE PLACED AS PER A.D.A. OF WHICH (1) MUST BE A VAN ACCESSIBLE SIGN (R7-B)
 - MATCH EXISTING ASPHALT WITH A SMOOTH AND CLEAN TRANSITION.
 - TO THE BEST OF MY BELIEF AND KNOWLEDGE THESE PLANS ARE DESIGNED TO ADHERE TO THE CURRENT A.D.A. REGULATIONS. THE CONTRACTOR AND OWNER SHALL VERIFY A.D.A. COMPLIANCE TO THE TIME OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
 - REFER TO TRL/THOMPSON INCORPORATED, GEOTECHNICAL INVESTIGATION BECHTEL CONTRACTING, JETWAY COURT, PUEBLO, COLORADO. PROJECT NO. SC028-12-25, DATED SEPTEMBER 20, 2011.
 - SIDEWALK CROSS SLOPES SHALL NOT BE GREATER THAN 2.0%.

- GRADING NOTES**
- ALL SPOT ELEVATIONS SHOWN ON CURB AND GUTTER REPRESENT FLOW LINE UNLESS NOTED OTHERWISE. ALL OTHER ELEVATIONS REPRESENT FINISHED GRADE ELEVATION.
 - FILLS SHALL BE PLACED AND COMPACTED TO 95% STANDARD PROCTOR IN ACCORDANCE WITH THIS GRADING PLAN.

- UTILITY NOTES**
- LOCATIONS AND DEPTHS OF ANY EXISTING UTILITIES THAT MAY EXIST ON THIS SITE ARE NOT SHOWN, OR ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ANY AND ALL UTILITIES PRIOR TO COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO HAVE EXISTING UTILITIES LOCATED TO PRESERVE LOCATION MARKINGS, AND TO PRESERVE LOCATED UTILITIES.
 - ALL WORK, WHETHER SPECIFICALLY CALLED FOR OR NOT SHALL BE CONSTRUCTED UNDER THE LATEST EDITION OF THE I.B.C., N.E.C., U.P.C., AND CONSTRUCTED UNDER THE U.I.C. AS ADOPTED BY THE CITY OF PUEBLO, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AND PROJECT GEOTECHNICAL REPORT WHERE APPLICABLE. WHERE CONFLICTS OCCUR BETWEEN THE REFERENCED SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL APPLY UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR GOVERNING AGENCY.
 - ABANDON AND/OR REMOVE ALL EXISTING UTILITY SERVICES THAT INTERFERE WITH PROPOSED CONSTRUCTION. ALL WORK MUST BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY AND SHALL COMPLY WITH ALL APPLICABLE CODES AND SPECIFICATIONS.
 - ADJUST ALL EXISTING VALVE BOXES, MANHOLES, ETC. TO REMAIN TO MATCH FINISHED GRADES WHETHER SPECIFICALLY INDICATED ON THE PLANS OR NOT. PROVIDE ALL MATERIALS, WORK, COORDINATION, ETC. AS REQUIRED TO ENSURE COMPLETE AND FUNCTIONING UTILITY SERVICE WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT.
 - REPLACE ANY AND ALL DAMAGED OR REMOVED ASPHALT, BASE, CURB AND GUTTER, ETC. AS SPECIFIED BY THE OWNER OR THE CITY OF PUEBLO. OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.

- EROSION CONTROL NOTES**
- THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES PER HIS MEANS, METHODS, SEQUENCES AND PROCEDURES IN GENERAL ACCORDANCE WITH INDUSTRY STANDARDS AND REQUIREMENTS. AT A MINIMUM, SILT FENCE SHALL BE CONSTRUCTED AROUND THE PERIMETER OF THE SITE.
 - THE CONTRACTOR SHALL CONSTRUCT TRACKING CONTROL MEASURE AT THE PRIMARY SITE ENTRANCE. THE ENTRANCE SHALL BE SIGNED AS SUCH, AND CONSTRUCTION TRAFFIC SHALL USE ITS ENTRANCE.
 - IMMEDIATELY CLEAN UP ANY SEDIMENT, MUD, ETC. TRACKED ONTO PUBLIC STREETS OR EXISTING SITE PAVED AREAS.



Short Elliott Hendrickson Inc.
Thatcher Building
503 North Main Street, Suite 225
Pueblo, CO 81003-3138
719.542.6481 main | 719.542.1251 fax
www.sehinc.com

BID SET

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

2011

PCAPP TRAINING FACILITY

PUEBLO, COLORADO

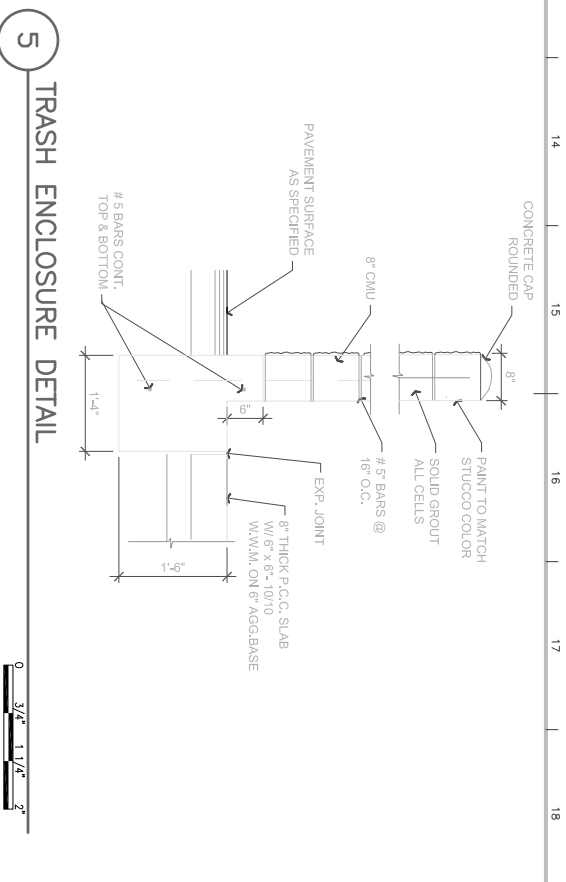
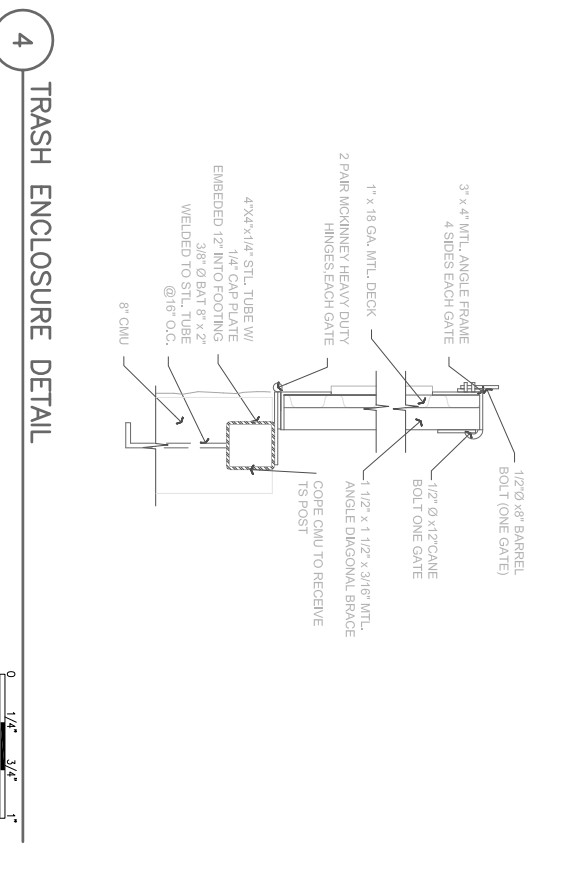
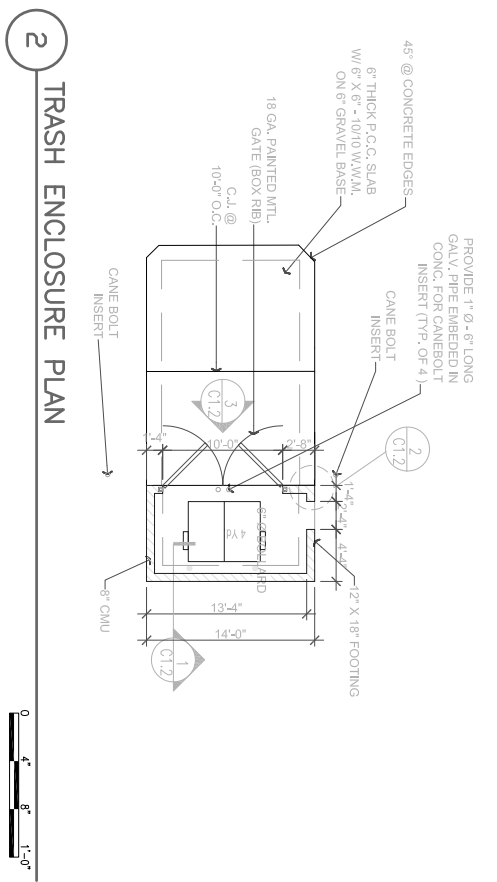
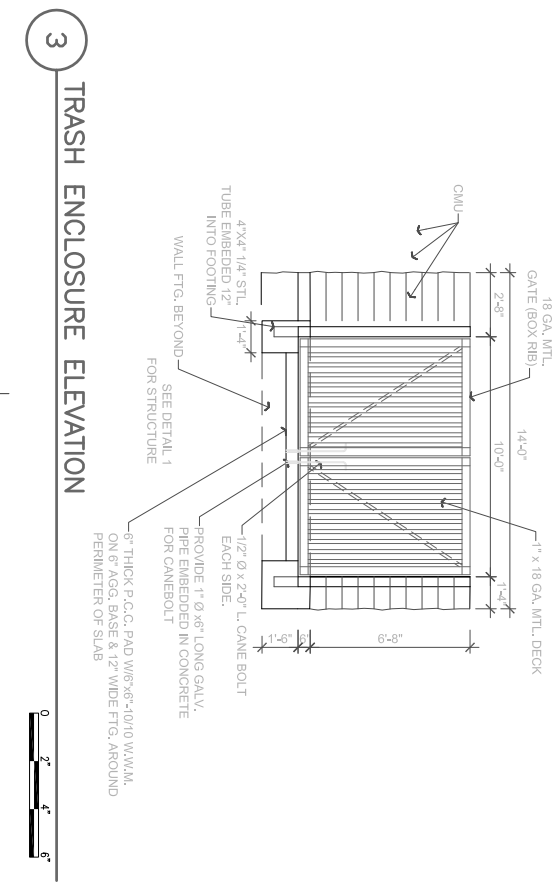
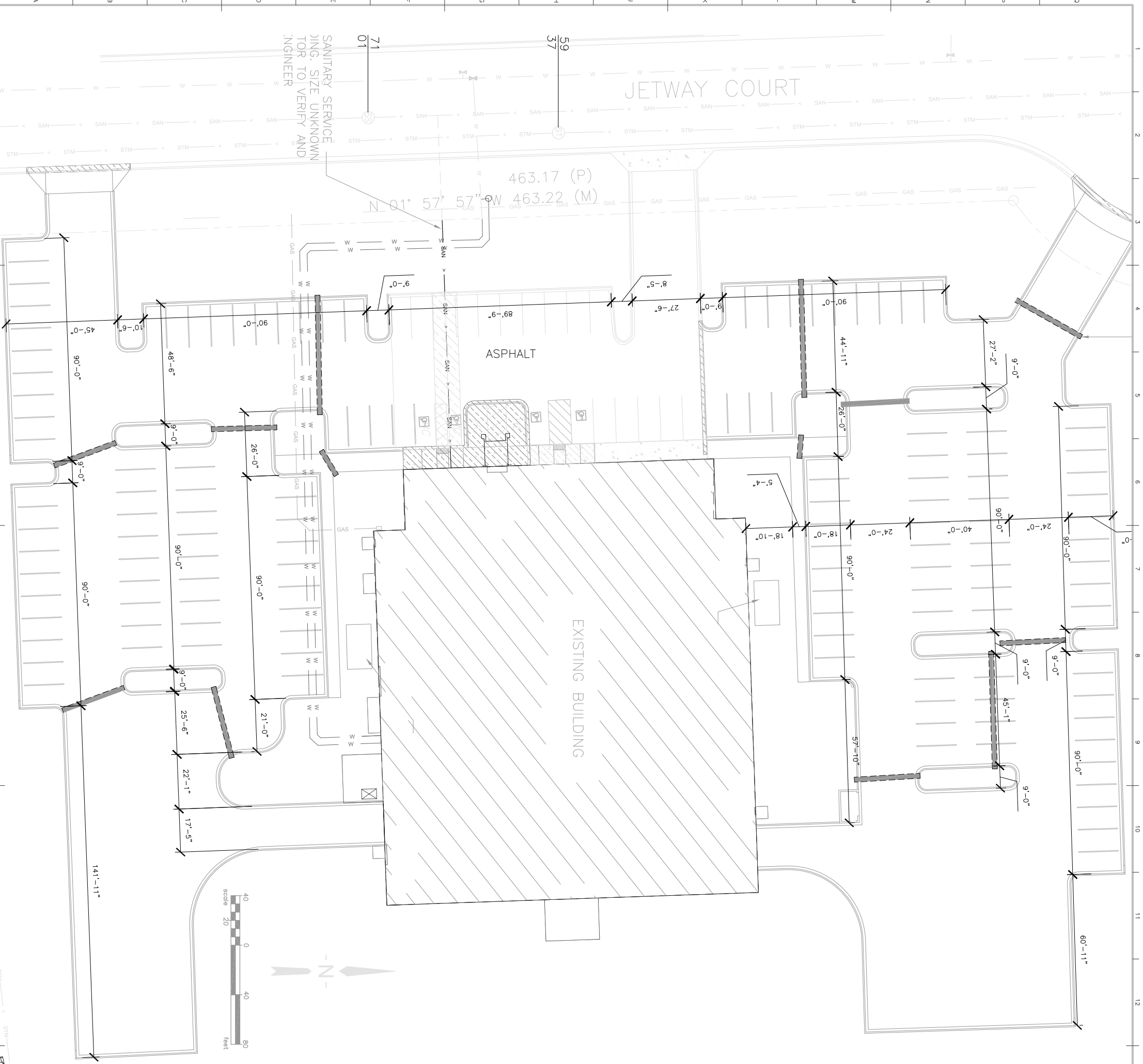
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RC/BB
JH

SEH FILE NO.
ISSUE DATE
DRAWN BY
DESIGNED BY
PROJECT MGR

SHEET CONTENTS

SITE AND GRADING PLAN

C1.0



CA1.0 SHEET CONTENTS SITE AND GRADING PLAN	SEH FILE NO. 117652 ISSUE DATE 11/14/11 DESIGNED BY RC/AB DRAWN BY RC/AB PROJECT MGR JH	2011 PCAPP TRAINING FACILITY PUEBLO, COLORADO	BID SET NOT FOR CONSTRUCTION	Short Elliott Hendrickson Inc. Thatcher Building 503 North Main Street, Suite 225 Pueblo, CO 81003-3138 719.542.6481 main 719.542.1251 fax www.sehinc.com						
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