

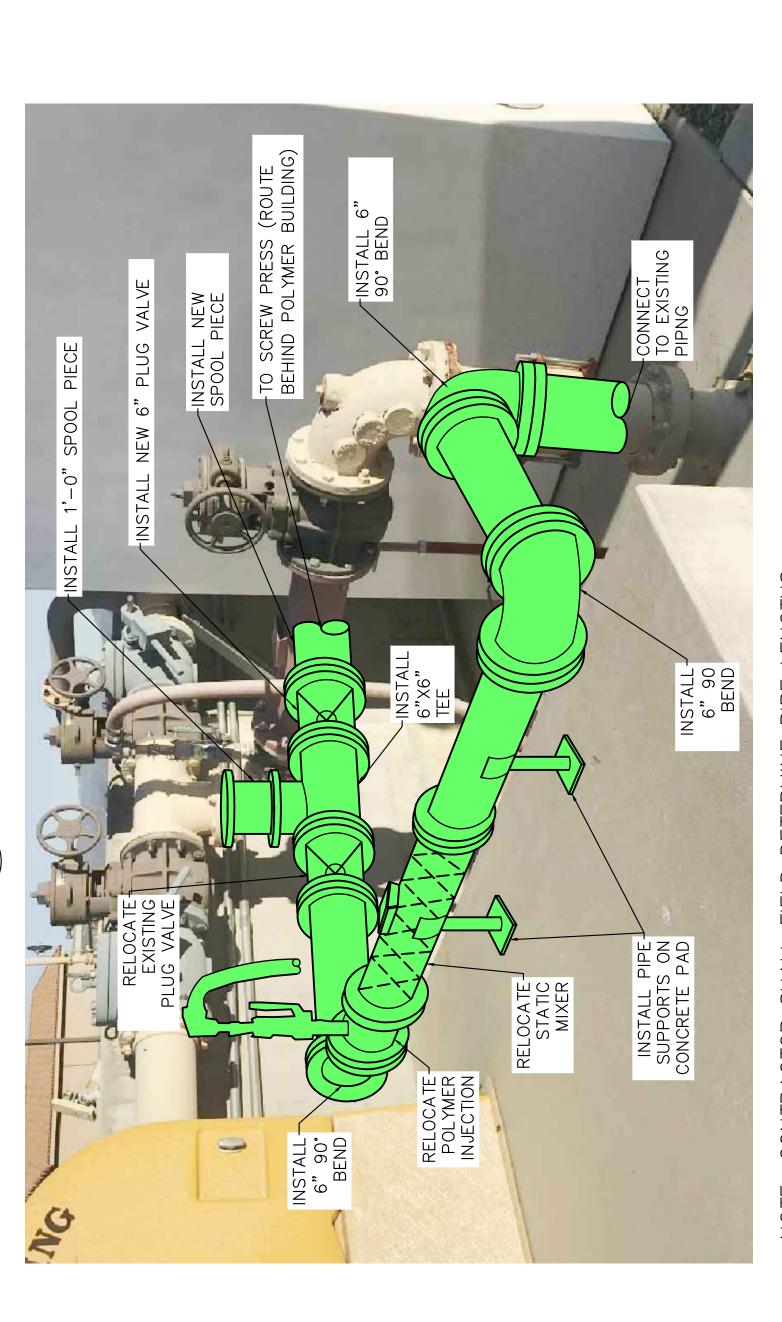
PROPOSED 6-INCH WAS PIPING PLAN VIEW SCALE SCALE: NOT TO 2 C-08

PROPOSED 6-INCH WAS PIPING

10,

SCALE:

C-08



PIPE LENGTHS DETERMINE CONTRACTOR SHALL FIELD NOTE:

K:/KIV\_WATER/195068108 - Lytle Creek Screw Press/4-Design/CAP/PlanSheets/13 PROPOSED WAS PIPING.dwg 12/21/2020 1:08 PM



ХРХ	COUNTY OF SAN BEF
DESIGNED	DEPARTMENT OF PUBLIC WORKS -
RKR DRAWN	222 WEST HOSPITALITY LANE,

APP.

DESCRIPTION

DATE

REV.

Kimley » Horn

The Market	APPROVED Mela Jak	PROJECT ENGINEER
To The last of the	GMEER -	Taring Inches

2/28/2021	DATE	12/28/20	DATE	
Secret 18		Melve tak	NGINEER	

DRAWING NUMBER	SHEET 13	SCALE:	
LYTLE OREEK NORTH	SLUDGE DEWATERING	PROPOSED WAS PIPING	

OF 26

DATE: DEC 2

C-08

LON:

PIPING SECTION

PROPOSED 6-INCH WAS

SCALE: NOT TO SCALE EX POLYMER FEED SHED NOT

SHOWN FOR CLARITY

TO PROPOSED PROGRESSIVE CAVITY SLUDGE FEED PUMP. SEE SHEET C-06 FOR CONTINUATION.

SEE

-PROPOSED PIPE SUPPORT S 5/C-08

PROPOSED WAS

PLUG VALVE

PROPOSED

-INSTALL 1'-0" SPOOL PIECE

RELOCATE—POLYMER INJECTION AND STATIC MIXER

RELOCATE 6"--PLUG VALVE

TO EXISTING PIPING

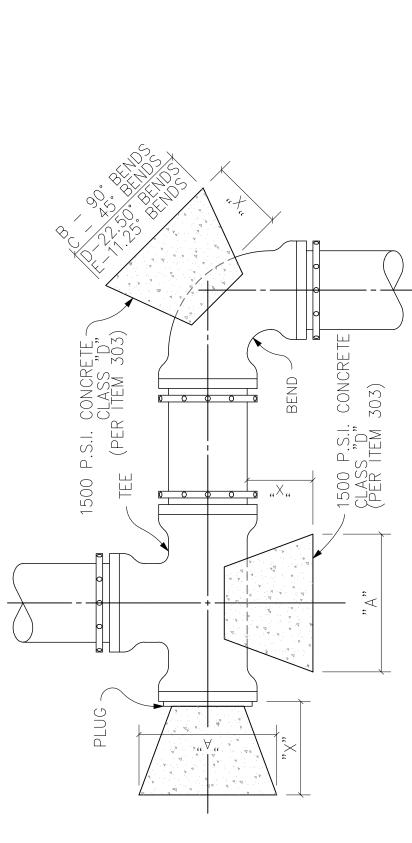
-CONNECT

-INSTALL PIPE SUPPORT

EXISTING SUBMERSIBLE WAS PUMP DISCHARGE LINE

CHECK VALVE

-EXISTING 6" PLUG VALVE (TYP.) -EXISTING 6" CHECK VALV / (TYP.)



-ASSUMED HORIZONTAL

(MIN.) 1,-0,,

 $\Box$ 

-GROUND -

M

 $\triangleleft$ 

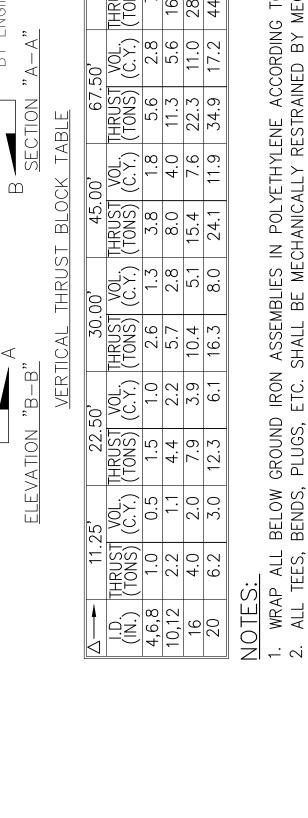
DIMENSION "X" TO BE A MINIMUM OF (1) FOOT, BUT IS TO BE INCREASED WHERE NECESSARY TO PROVIDE BEARING AGAINST UNDISTURBED TRENCH WALL.

	<u>"</u> ×	PLUGS	PLUGS & IEES	я ,06	90' BENDS	45° E	45 BENDS	22.50	22.50° BENDS	11.25	11.25° BENDS
	M	"Y"	MIN. AREA sf	"B"	MIN. AREA sf	"C"	MIN. AREA sf	"O"	MIN. AREA sf	"L"	MIN. AREA sf
1	1,-6"	1,-0,,	2.12	1'-2"	3.00	1,-0,,	1.62	1,-0,,	.83	1,-0,,	.83
l	1,-6"	1'-3"	3.77	1,-6"	5.33	1,-3"	2.89	1,-0,,	1.47	1,-0,,	.83
I	1,-6"	1,-9,,	5.89	2'-0"	8.33	1,-6,,	4.51	1,-3"	2.30	1,-0,,	1.15
	1'-6"	2,-0,,	8.48	2'-3"	12.00	1,-9,,	6.49	1'-3"	3.31	1,-0,,	1.66
l	2'-0"	2'-7"	15.08	3'-0"	21.33	2'-3"	11.54	1,-8"	5.88	1'-2"	2.96
l	7,-0"	۲, – ۲,	73 5G	7,-10,,	77 70	7,-0,,	1803	1,_10,,	0 10	1, -0,,	462

#### NOTES:

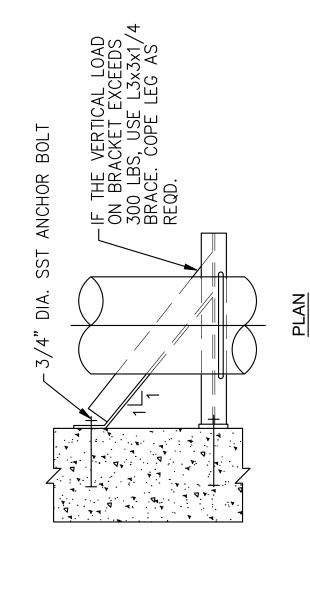
- SOIL ALLOWABLE PSF AND PRESSURE PSI 150 N O BASED BEARING AREAS SHOWN BEARING PRESSURE.
- APPROVED C105. OR. TO AWWA MEGALUG POLYETHYLENE ACCORDING MECHANICALLY RESTRAINED BY  $\geq$ ASSEMBLIES BE SHALL WRAP ALL BELOW GROUND IRON ALL TEES, BENDS, PLUGS, ETC. 3 2 5

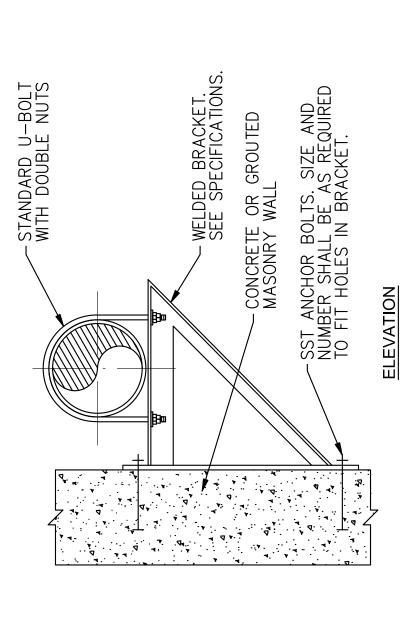




P ALL BELOW GROUND IRON ASSEMBLIES IN POLYETHYLENE ACCORDING TO AWWA C105. TEES, BENDS, PLUGS, ETC. SHALL BE MECHANICALLY RESTRAINED BY MEGALUG OR APPROVED EQUAL.







LONG

30,

FLG

 $\times$ 

-4" DI WALL PIPE, MJ X THRUST COLLAR

**.**9

3

4" DI BLIND FLANGE-WITH
CAM-LOCK
CONNECTION W/
LOCKING CAP

THRUST RING

Ż Z

1.5

BEND

45° DI

4" DI PIPE

,4

ALL MECHANICAL JOINTS TO BE RESTRAINED

—THICKENED CONCRETE
AT PIPE PENETRATION
(APPROX. 12" ALL
AROUND)

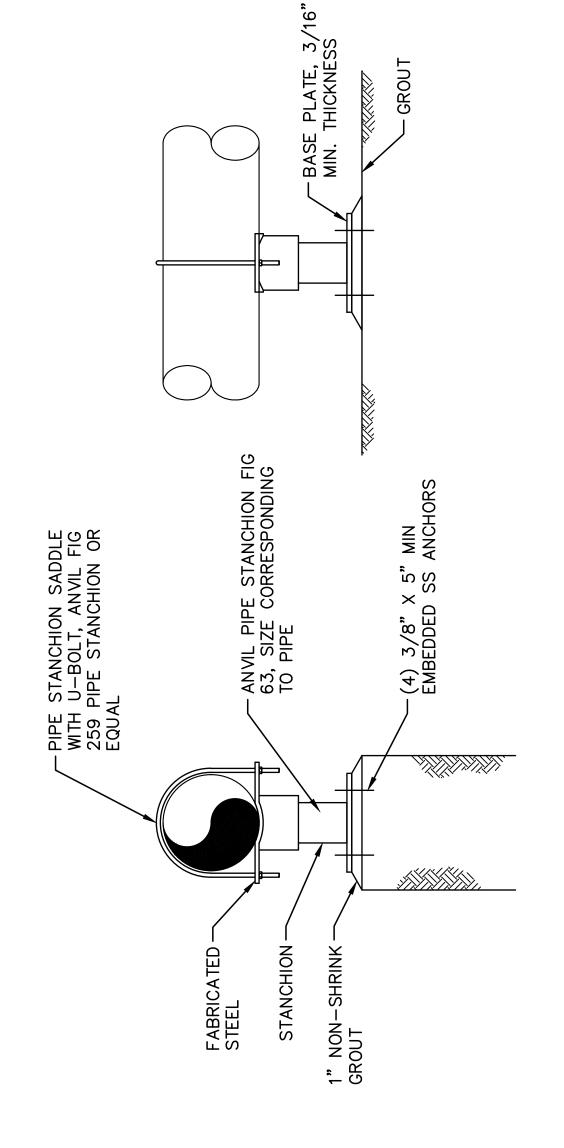
1. HOT-DIP GALVANIZED SUPPORT AFTER FABRICATION. NOTES:



**CLEANOUT SECTION VIEW** 

WAS

K:\RIV\_WATER\195068108 - Lytle Creek Screw Press/4-Design/CAD\PlanSheets/14 YARD PIPING DETAILS.dwg 12/21/2020 1:08 PM



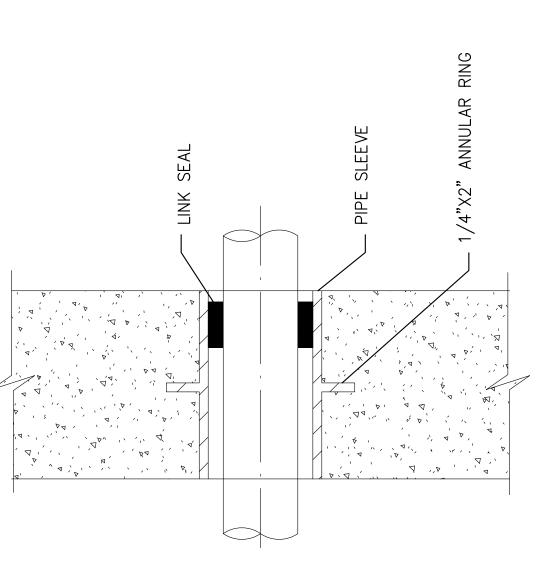
(ÁPPROX. SAME LENGTH AS BEND)

VARIABLE

REINFORCING-BARS

CLASS A-CONCRETE

### STANCHION DETAIL PIPE SCALE: 3 C-09

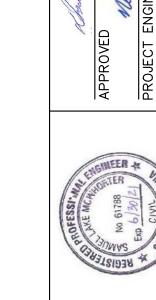


B

#### NOTES:

- 6" SLEEVES AND SMALLER SHALL BE SCH 40 STEEL PIPE.
- SHALL BE 1/4" THICK STEEL PIPE. SLEEVES LARGER THAN 6"  $\ddot{c}$
- IN WALLS THICKER THAN 12", LINK SEAL SHALL BE INSTALLED AT BOTH ENDS OF WALL SLEEVE. SLEEVE DIAMETER SHALL BE PER LINK SEAL MANUFACTURER'S RECOMMENDATION.
- SLEEVE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION. 4.





DEPARTMENT OF PUBLIC WORKS - SPECIAL DISTRICTS

222 WEST HOSPITALITY LANE, 2ND FLOOR SAN BERNARDINO, CA 92415-0450

909-386-8800

COUNTY OF SAN BERNARDINO

KPK DESIGNED

RKR DRAWN

APP.

DESCRIPTION

DATE

REV.

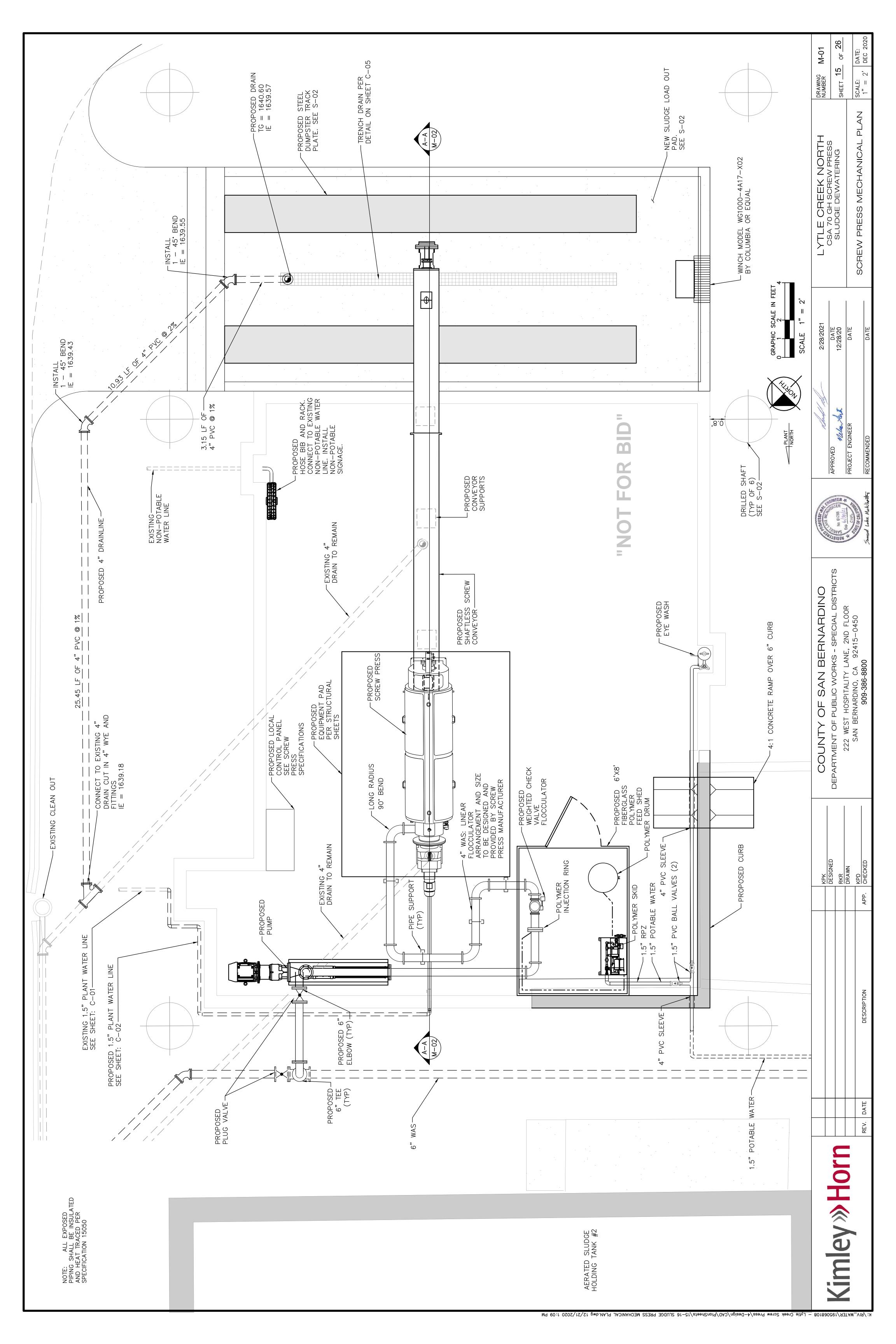
Kimley» Horn

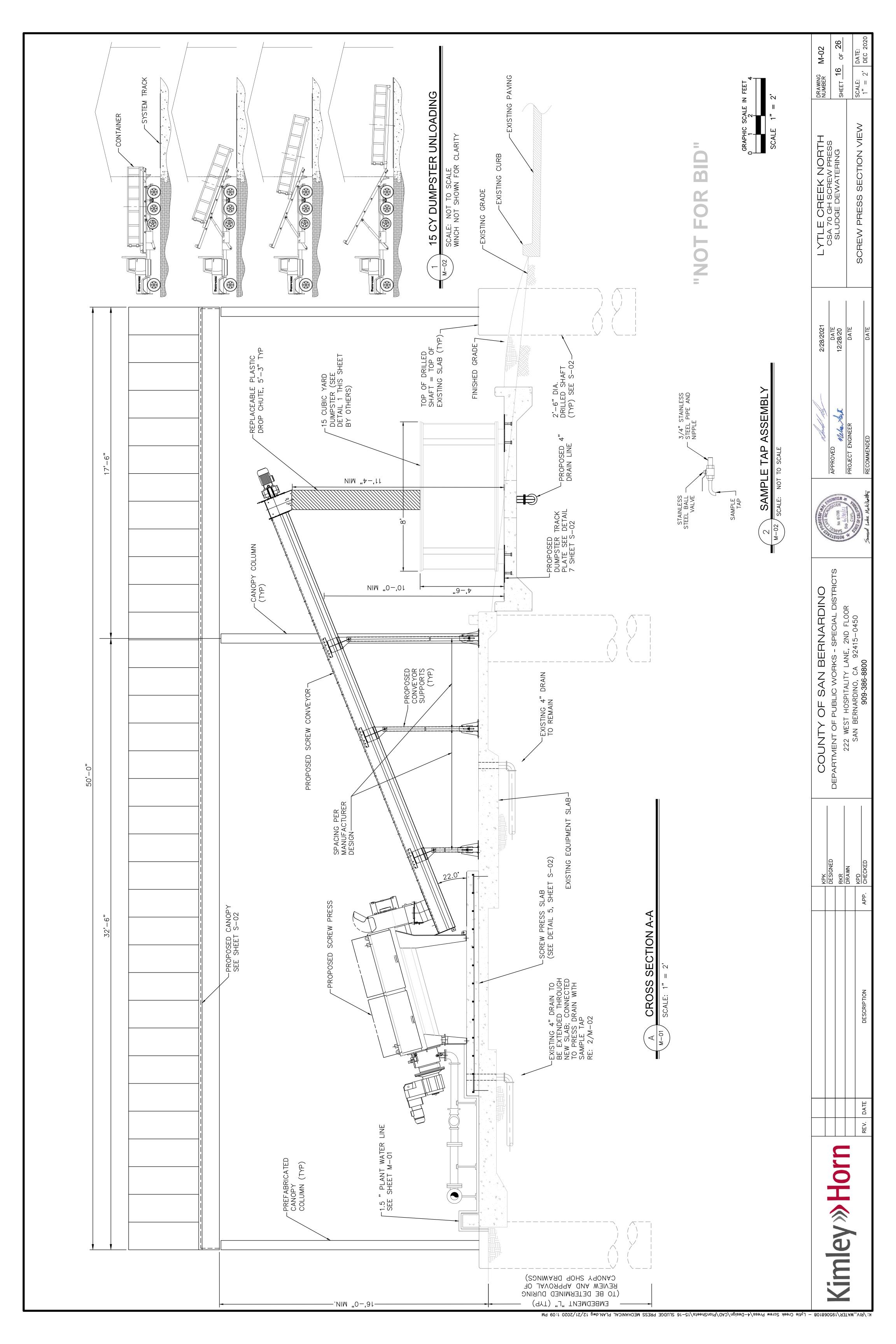
2/28/2021	DATE 12/28/20	DATE
Klosel Sign	APPROVED Webe that	PROJECT ENGINEER

2/28/2021	DATE 12/28/20	DATE	
foreigh the	Mela Lat	<b>JOINEER</b>	i i

	<u>S</u>	)S
SSA VOBEW PBESS	SLUDGE DEWATERING	YARD PIPING DETAILS

E CREEK NORTH	DRAWING NUMBER	C-09
UDGE DEWATERING	SHEET 14 OF 26	OF 26
AD PIPING DETAILS	SCALE:	DATE: DEC 2020





- AND ALL STRUCTURES ARE DESIGNED TO ACT AS A STRUCTURAL UNIT UPON COMPLETION. CONTRACTOR SHALL DESIGN AND PROVIDE NECESSARY BRACING, TEMPORARY SUPPORTS, SHORING TO RESIST FORCES ON THE STRUCTURE DURING CONSTRUCTION.
  - P VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO STARTING WORK. NOTIFY THE ENGINEER ANY DISCREPANCIES.
- VERIFY LOCATIONS OF ALL EXISTING UTILITIES WITHIN 20 FEET OF CANOPY DRIP LINE, PUMP STATION, AND RAS/WAS PLATFORM PRIOR TO STARTING WORK.
- COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING, ARCHITECTURAL, AND SIGN DRAWINGS AND SUPPLIERS FOR ATTACHMENT OF ANY ELEMENTS TO THE STRUCTURAL MEMBERS OF THE FACILITIES. SHOW INSERTS ON ALL SHOP DRAWINGS. DRILLED CONNECTIONS INTO OTHER CONCRETE MEMBERS MUST BE LOCATED TO MISS REINFORCEMENT. ALL CONNECTIONS TO STRUCTURAL ELEMENTS MUST BE APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL EXERCISE EXTREME CARE DURING THE EXCAVATION AND CONSTRUCTION FOR NEW STRUCTURE TO AVOID DAMAGE TO EXISTING STRUCTURES AND PIPELINES. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MEANS AND METHODS REQUIRED TO FACILITATE CONSTRUCTION OF THE WORK AND ENSURING THE SAFETY, STABILITY AND INTEGRITY OF ADJACENT STRUCTURES AND FACILITIES.
- ALL MATERIALS AND INSTALLATION COST FOR SCREW PRESS FOUNDATIONS SHALL BE INCLUDED IN THE COST FOR THE SCREW PRESS CANOPY. SCREW PRESS CANOPY SHOP DRAWINGS AND CORRESPONDING STRUCTURAL CALCULATIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PER NOTE "J. SUBMITTALS" ON THIS SHEET. THE SCREW PRESS CANOPY FOUNDATIONS SHALL BE FINALIZED ONCE THE ENGINEER OF RECORD HAS APPROVED THE SCREW PRESS CANOPY SHOP DRAWINGS. BID FORMS TO INCLUDE AN OWNER—CONTROLLED CONTINGENCY TO COVER COST DIFFERENCE BETWEEN DESIGN DETAILS PROPOSED HEREIN AND ANY OWNER—APPROVED CHANGES TO ACCOMMODATE FINAL DEFERRED DESIGN.

# **DESIGN CRITERIA**

...... 2016 CALIFORNIA BUILDING CODE WITH SAN BERNARDINO COUNTY AMENDMENTS
NN .....PROJECT SPECIFICATIONS CONSTRUCTION . . . . CODE BUILDING C A. DESIGN œ.

DESIGN DEAD LOADS 3. SELF WEIGHT OF MATERIAL  $\Box$ 

PIER FOUNDATION (DRILLED SHAFT)

ALL CONCRETE FOR STRUCTURES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH 4,000 POUNDS PER SQUARE INCH AT 28 DAYS EXCEPT AS NOTED. CEMENT FOR CONCRETE SHALL BE TYPE II.

K:/KIV\_WATER/195068108 - Lytle Creek Screw Press/4-Design/CAD/PlanSheets/22 GENERAL STRUCTURAL NOTES.dwg 12/21/2020 1:10 PM

P

- REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM DESIGNATION A615, GRADE 60, DEFORMED. REINFORCING BARS SHOWN ON THE PLANS TO BE WELDED SHALL BE NEW BILLET STEEL CONFORMING TO ASTM DESIGNATION A706, GRADE 60, DEFORMED.
- DESIGN IS IN CONFORMANCE WITH "BUILDING CODE REQUIREMENTS) CONCRETE" (ACI 318-05). AND 2007 CBC. REINFORCED CONCRETE

BARS, INCLUDING BAR SUPPORTS, SPACERS, ETC OF CONCRETE REINFORCEMENT" (ACI SP-66(04)) ATE AND ERECT REINFORCEMENT E WITH "DETAILS AND DETAILING BY BUILDING MANUFACTURER. DETAIL, FABRICA IN ACCORDANCE OR APPROVED E

CHAMFER EXPOSED CONCRETE EDGES  $\frac{3}{4}$  INCH X  $\frac{3}{4}$  INCH UNLESS NOTED OTHERWSE. PEDESTALS SHALL NOT RECEIVE CHAMFERS.

6.

7. CONCRETE JOINT LOCATIONS NOT SHOWN ON STRUCTURAL DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER PRIOR TO START OF WORK.

RECEIVE ON THE DRAWINGS, CONCRETE FORMED AND UNFORMED SURFACES SHALL SPECIFICATIONS. Z 8. UNLESS NOTED FINISH NOTED II

### PREPARATION SHALL BE PREPARED AS STATED IN THE PROJECT GEOTEHCNICAL N REPORT: AND FOUNDATION PREPARATION **EARTHWORK** FOUNDATION PFINVESTIGATION

PRIOR TO THE START OF CONSTRUCTION, ALL EXISTING UNDERGROUND UTILITIES AND APPURTENANCES, IF PRESENT, SHOULD BE LOCATED AT THE PROJECT SITE. SUCH UTILITIES SHOULD EITHER BE PROTECTED IN-PLACE OR REMOVED AND REPLACED DURING CONSTRUCTION AS REQUIRED BY THE PROJECT SPECIFICATIONS. ALL EXCAVATIONS SHOULD BE CONDUCTED IN SUCH A MANNER AS NOT TO CAUSE LOSS OF BEARING AND/OR LATERAL SUPPORT OF EXISTING STRUCTURES OR UTILITIES.

THE FINAL BOTTOM OF SURFACES OF ALL EXCAVATIONS SHOULD BE OBSERVED AND APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACING ANY FILL.

IT PAD SHALL BE OVEREXCAVATED, SCARIFIED AND RECOMPACTED A MINIMUM OF 18 BOTTOM PAD. THE OVEREXCAVATION SHOULD EXTEND AT LEAST 2 FEET BEYOND THE THE TRUCK LOADOUT PAD. COMPACTED FILL SHALL BE PREPARED PER THE REPORT REQUIREMENTS IN SECTION 9.4. TRUCK LOADOUT INCHES BELOW E FOOTPRINT OF T GEOTECHNICAL F

DRILLED PIERS PUBLIC WORKS

SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION SECTION 305—PILE DRIVING AND TIMBER CONSTRUCTION (GREENBOOK, PIERS SHOULD BE REASONABLY CLEAN AND FREE OF LOOSE SOIL PRIOR TO INSTALLING PIERS. THE ANNULAR SPACE AROUND THE PIERS BASE SHOULD BE FILLED WITH GROUT. CASING SHOULD BE USED AT THE DISCRETION OF THE CONTRACTOR. CASING SHALL BE ADVANCED AS DRILLING PROCEEDS BY DRILLING WITH A FLIGHT OR BUCKET AUGER SMALLER IN DIAMETER THAN THE INSIDE OF THE CASING. OCCASIONAL HAMMERING MAY BE REQUIRED TO ADVANCE THE CASING WITHIN THE EXCAVATION. THE CASING SHALL NOT BE LEFT IN PLACE AS THE PIERS DESIGNS ARE BASED ON SKIN FRICTION ONLY. CASING SHALL BE PULLED AS THE CONCRETE IS BEING POURED, WHILE ALWAYS MAINTAINING A HEAD OF CONCRETE INSIDE THE CASING. THE CASING. THE CASING SHALL HAVE EQUIPMENT ON—SITE WITH SUFFICIENT PULLING CAPACITY TO PULL THE CASING. THE CASING SHALL HAVE INSIDE DIAMETER OF THE PIER. 2015). BORING I THE CONCRETE

DRILLED PIER INSTALLATION SHALL BE PERFORMED UNDER THE CONTINUOUS OBSERVATION OF T GEOTECHNICAL ENGINEER CONSULTANT TO CONFIRM THAT THE SUBSURFACE SOILS ARE SIMILAR SOILS ENCOUNTERED DURING FIELD INVESTIGATION, WHICH HAVE FORMED THE BASIS OF PIER DE RECOMMENDATIONS. THE CONTRACTOR SHALL PROVIDE ACCESS AND NECESSARY FACILITIES, INCIDROPLIGHTS, AT CONTRACTORS EXPENSE, TO ACCOMMODATE PIER OBSERVATIONS.

#### STEEL TURAL STRUC

- STRUCTURAL STEEL WIDE FLANGE BEAMS, COLUMNS, AND MISCELLANEOUS FRAMING MEMBERS CONFORM TO ASTM A992 GRADE 50.
- AND ANGLES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE. 2. PLATES, BARS,
  - 3. HSS RECTANGULAR MEMBERS SHALL CONFORM TO ASTM A500, GRADE B (46 KSI).
- 4. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST AISC CODES AND SPECIFICATIONS. INCLUDING THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS.
- 5. EXPOSED OR PARTIALLY EXPOSED STRUCTURAL STEEL SHALL BE FABRICATED AND INSTALLED PER THE "ARCHITECTURALLY EXPOSED STRUCTURAL STEEL" SECTION OF THE AISC MANUAL AND THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS. STEEL NOT CONFORMING TO THESE TOLERANCES WILL B REJECTED AND REFRABRICATED AT NO EXPENSE TO THE OWNER. SEE DRAWINGS FOR LOCATIONS OF ARCHITECTURALLY EXPOSED STEEL.
- SHOP CONNECTIONS SHALL BE MADE WITH HIGH—STRENGTH BOLTS OR BY WELDING. FIELD CONNECTIONS SHALL BE MADE WITH HIGH—STRENGTH BOLTS, EXCEPT WHERE WELDING IS INDICATED ON THE DRAWINGS. HIGH—STRENGTH BOLTS SHALL CONFORM TO ASTM DESIGNATION A325 BEARING TYPE CONNECTION WITH THREADS INCLUDED IN SHEAR PLANE UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE ¾ INCH DIAMETER UNLESS NOTED OTHERWISE. 6
- SHALL AWS D1.1 BUT IN NO CASE SHALL COMPLY WITH THE LATEST ES, NOT INDICATED SH LESS THAN % INCH. 7. ALL WELD SIZES WELD SIZE BE L
  - CAMBER OF BEAMS SHALL BE PLACED UP. 8. NATURAL MILL
- 9. THE STRUCTURAL BEAMS ARE NOT DESIGNED FOR USE AS LIFT BEAMS
- 10. ADEQUATE TEMPORARY BRACING SHALL BE PROVIDED DURING CONSTRUCTION. 11. USE NON-SHRINK, NON-METALLIC GROUT UNDER BASE PLATES AS REQUIRED.

12. MINIMUM THICKNESS OF STRUCTURAL STEEL SHALL BE 1/4 INCH UNLESS NOTED OTHERWISE.

### ROOF DECK F. METAL

- 1. METAL ROOF DECK SHALL CONFORM TO THE LATEST S.D.I. "STEEL DECK DESIGN MANUAL"
  - SPECIFICATIONS). OTHERWISE METAL ROOF DECK SHALL BE PAINTED (SEE 2. UNLESS NOTED
- AMING AND MECHANICAL, ELECTRICAL OR OTHER EQUIPMENT SHALL NOT BE ATTACHED ROOF DECKING EXCEPT AS SHOWN ON THE CANOPY MANUFACTURER'S DRAWINGS. HT GAGE FR ANY METAL LIGHT TO AN

- AND CLOSURE PIECES AT LOCATIONS OF PROPOSED ROOF THE CANOPY MANUFACTURER'S DESIGN CALCULATIONS ADDITIONAL REINFORCEMENT AND PER REQUIREMENTS DEFINED IN PROVIDE ADDITION OPENINGS PER RESHOP DRAWINGS.
- T ALL EDGES AND SUPPORTS SHALL CONNECTIONS TO STEEL SUPPORTS SHALL BE FUSION TYPE WELDS AT MECHANICAL FASTENERS AT SIDE LAPS. MINIMUM FASTENERS AT ALL SPUDDLE WELDS AT EACH FLUTE. 5.

RB

ETAL ROOF DECK SHALL BE 3½" CLOSED RI OPERTIES OR APPROVED EQUAL: A. I = 1.75 IN B. SP = 0.66 IN<sup>3</sup> C. SN = 0.61 IN<sup>3</sup> D. MIN THICKNESS = 20 GAUGE

METAL ROOF I

6.

CONTINUOUS SPECIAL INSPECTION: THE FULL—TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. (2016 CBC 1702.1).  $\ddot{\circ}$ WITH THE FOLLWING MINIMUM SECTION

3.

PERIODIC SPECIAL INSPECTION: THE PART—TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF WORK. (2016 CBC 1702).

COMMENTS

- ITEMS NOT SHOWN MAY REQUIRE CONTINUOUS OR PERIODIC SPECIAL STRUCTURAL INSPECTION AT THE DISCRETION OF THE ENGINEER. ITEMS LISTED MAY REQUIRE ALTERNATE FREQUENCIES OF INSPECTION OTHER THAN SHOWN UNDER DIRECTION OF THE ENGINEER. 4.
  - WELDING OF REINFORCING STEEL NOT ACCEPTABLE UNLESS NOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- WORK FABRICATOR SHALL SUBMIT CERTIFICATE OF COMPLIANCE STATING PERFORMED WAS IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. 5

## SUBMITTALS

**그** 

**APPROVED** 

 $\mathsf{OR}$ 

1.5"

TLE HEIGHT

SEAM PROF

STANDING

STANDING SEAM ROOF SHALL HAVE

EXPOSED

NO

SEE PROJECT SPECIFICATIONS FOR PAINTING AND FINISH REQUIREMENTS STRUCTURAL STEEL, STEEL ROOF JOISTS AND METAL ROOF DECK.

NOTE!

ES

**FINISH** 

CANOPY

SCREW PRESS

G

CANOPY SHALL BE GALVANIZED.

TION.

ADDITIONAL INFORMA

SEE PROJECT SPECIFICATIONS FOR

SPECIAL INSPECTION IS REQUIRED OF MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.

SPECIAL INSPECTION

ゴ

SPECIAL INSPECTION TO INSURE TASKS.

COORDINATE SCHEDULES WITH AGENCY PERFORMING AMPLE TIME IS AVAILABLE TO PERFORMED REQUIRED

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION:

1. SCREW PRESS CANOPY STRUCTURE SHALL BE A DEFERRED SUBMITTAL.

CONTRACTOR SHALL SUBMIT STRUCTURAL CALCULATIONS AND SHOP

DRAWINGS FOR CANOPY TO ENGINEER FOR REVIEW AND APPROVAL PRIOR

TO CONSTRUCTION. SCREW PRESS CANOPY SHALL BE PROVIDED BY

METAL BUILDING CORP., WHITE'S STEEL INC., ALLIED CORPORATION, OR

APPROVED EQUAL. THE CALCULATIONS AND SHOP DRAWINGS MUST BE

STAMPED BY A CURRENTLY LICENSED STRUCTURAL ENGINEER IN THE

STATE OF CALIFORNIA. DO NOT ERECT CANOPY PRIOR TO SUBMITTAL

APPROVAL BY CITY OR COUNTY INSPECTOR. MAIN STRUCTURE AND ROOF

FRAMING SHALL CONSIST OF GALVANIZED STRUCTURAL STEEL, WOOD

FRAMING IS NOT ACCEPTABLE.

A 12 JCTION 6 0 INITS 8 0 INITS NG		
		7—7
	CANOPY AREA	1288 SF
	TYPE OF CONSTRUCTION	IIB
	OCCUPANCY CONTENT	6 OCCUPANT
	REQUIRED EXIT UNITS	1
	FIRE SPRINKLERS	0
	STANDPIPES	N/A
	FIRE ALARMS	NO
	EMERGENCY LIGHTING	N/A
	AGE OF BUILDING	N/A

(1) (3) (4)

(2)(3)

CONTINUOUS

SAMPLES TAKEN FOR STRENGTH, SLUMP, AIR CONTENT, AND CONCRETE TEMPERATURE

PERIODIC

(3)

 $\subseteq$ 

(3)

(2)

CONTINUOUS

CONCRETE

INSPECTION OF PLACEMENT

PERIODIC

MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES

COMMENTS

FREQUENCY OF INSPECTION

PERIODIC

REINFORCING STEEL INCLUDING PLACEMENT

STRUCTURAL CAST—IN—PLACE CONCRETE

INSPECTION

INSPECTION ITEMS

VERIFICATION OF MIX DESIGN

1704.4)

**TABLE** 

CBC

(2016

CONSTRUCTION

OF CONCRETE

INSPECTION

## CANOPY FOUNDATIONS SCREW PRESS

(3)

(2)

CONTINUOUS

INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE

PERIODIC

SHAPE, DIMENSIONS

FORMWORK FOR LOCATION, AND

SCREW PRESS CANOPY FOUNDATIONS SHALL HAVE THE MINIMUM SIZE, DEPTH, AND REINFORCING AS SHOWN ON CANOPY PLAN. SCREW PRESS CANOPY FOUNDATION SIZES TO BE FINALIZED BY ENGINEER/OWNER REPRESENTATIVE WITH REVIEW AND APPROVAL OF SCREW PRESS CANOPY SHOP DRAWINGS AND CANOPY FOUNDATION LOADS.

COMMENTS

FREQUENCY OF INSPECTION

**TABLE 1704.3)** 

SBC

<u>യ</u>

(2<u>0</u>

CONSTRUCTION

STEEL

Р

2. INSPECTION

INSPECTION ITEMS

INSPECTION TASK

MATERIAL IDENTIFICATION MARKINGS

HIGH-STRENGTH BOLTS, NUTS, AND WASHERS

(3)

 $\subseteq$ 

PERIODIC

 $\widehat{\mathbb{C}}$ 

PERIODIC

MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED

BEARING-TYPE CONNECTIONS

SLIP-CRITICAL CONNECTIONS

(3)

 $\subseteq$ 

PERIODIC

(1) (3)

PERIODIC

(3)

(2)

CONTINUOUS

COMPLETE AND PARTIAL PENETRATION GROOVE WELDS

STRUCTURAL WELDING

(3)

(2)

CONTINUOUS

(3)

(2)

CONTINUOUS

5/16"

SINGLE-PASS FILLET

PERIODIC

OR.

WELDS

SINGLE-PASS FILLET EQUAL TO %"

(3)

 $\Xi$ 

(3)

 $\subseteq$ 

PERIODIC

AND ROOF DECK

FLOOR

STRUCTURAL WELDING OF REINFORCING STEEL

# m

2/28/2021  DATE 12/28/20  DATE 12/28/20  DATE  SLUDGE DEWATERING  DATE
--

Nelso Lak

PROVED

APF

DEPARTMENT OF PUBLIC WORKS - SPECIAL DISTRICTS

222 WEST HOSPITALITY LANE, 2ND FLOOR SAN BERNARDINO, CA 92415-0450 909-386-8800

RKR DRAWN

APP.

DESCRIPTION

DATE

REV.

Kimley» Horn

COUNTY OF SAN BERNARDINO

PROJECT ENGINEER

(1) (5)

PERIODIC

 $\bigcup_{i \in I}$ 

PERIODIC

INSPECT IN-PLANT FABRICATION PRACTICES

FABRICATOR

REVIEW QUALITY CONTROL PROCEDURES

DRAWING NUMBER	SHEET 1	SCALE:
LYTLE CREEK NORTH	SLUDGE DEWATERING	GENERAL STRUCTURAL NOTES

26

9

17

DATE: DEC 2

S-01

