



WEST POINT WASTEWATER TREATMENT PLANT

INFLUENT SCREENINGS IMPROVEMENT PROJECT

CONTRACT NO. T300516

CONDITIONAL USE PERMIT ISSUE

OCTOBER 2011



KING COUNTY

Department of
Natural Resources and Parks
Wastewater Treatment Division

PARKING REQUIRED		
BUILDING DESCRIPTION	GROSS FLOOR AREA SQUARE FEET	GROSS FLOOR AREA LESS 2500 SQ. FT. WAIVER
PROPOSED SCREENING HANDLING BUILDING	5,600	3,100
ADMINISTRATION BUILDING	18,500	16,000
ADMINISTRATION ANNEX	4,078	1,578
MAINTENANCE	28,417	25,917
INFLUENT CONTROL STRUCTURE	503	0
INFLUENT PUMP STATION	23,703	21,203
SCREENINGS AND GRIT REMOVAL	3,943	1,443
EFFLUENT PUMPING	13,076	10,576
DIGESTER CONTROL BUILDINGS	7,095	4,595
OXYGEN PRODUCTION	13,625	11,125
CHLORINE HANDLING	7,688	5,188
SOLIDS HANDLING	29,700	27,200
FACILITY SERVICES	4,768	2,268
INTERMEDIATE PUMP STATION	11,940	9,440
	172,636	139,633

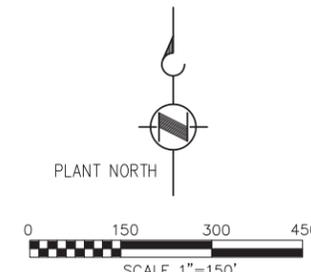
PARKING REQUIREMENT	
1 SPACE PER 2000 SQ. FT. GROSS FLOOR AREA PER BUILDING WITH WAIVER FOR 1ST 2500 SQ. FT. PER BUILDING (REF: SMC 23.54.015)	
PARKING REQUIRED BY CODE: 139,633 SQ. FT./2000 SQ. FT. = 70 SPACES	
EXISTING PARKING: 210 SPACES	
PARKING TO BE REMOVED: 21 SPACES	
PROPOSED PARKING: 189 SPACES	

ZONING STATISTICS SUMMARY	
TOTAL WEST POINT SITE (SQ. FT.):	3,150,018
BUILDING LOT COVERAGE (SQ. FT.):	826,352
BUILDING LOT COVERAGE (%):	0.2623
ALLOWABLE BUILDING LOT COVERAGE (%):	0.35

EXISTING FACILITY PARKING SUMMARY	
FACILITY:	
206 FULL SIZE STALLS - 8.5' x 18' TYPICAL	
4 HANDICAP STALLS - 13' x 20' TYPICAL	
210 TOTAL STALLS	
16 CUSHMAN STALLS - 5' x 8' TYPICAL	
8 SLUDGE TRUCK STALLS - 12' x 90' TYPICAL	
PUBLIC:	
7 FULL SIZE STALLS - 10' x 20' TYPICAL	
2 HANDICAP STALLS - 13' x 20' TYPICAL	

FACILITY NO	FACILITY NAME
701	ADMINISTRATION
702	MAINTENANCE BUILDING
702	LUBE STORAGE/AUTO SHOP
703	INFLUENT CONTROL STRUCTURE
704	RAW SEWAGE (INFLUENT) PUMP BUILDING
705	SCREENING SYSTEM & GRIT REMOVAL
706	WEST PRIMARY CLARIFIERS
706	EAST PRIMARY CLARIFIERS
707	EFFLUENT PUMPING STATION
708	ANAEROBIC DIGESTER #1
708	ANAEROBIC DIGESTER #2
708	ANAEROBIC DIGESTER #3
708	ANAEROBIC DIGESTER #4
708	ANAEROBIC DIGESTER #5
708	ANAEROBIC DIGESTER #6
708	DIGESTER CONTROL BUILDING (POD 1)
708	MOTOR CONTROL CENTER (POD 1)
708	MOTOR CONTROL CENTER (POD 2)
708	DIGESTER CONTROL BUILDING (POD 2)
708	PROPANE STORAGE TANKS
708	ELECTRICAL SUBSTATION
709	PRIMARY GALLERIES AND STAIRWELLS
710	HPO AERATION BASINS (EXISTING & FUTURE)
711	OXYGEN PRODUCTION & LOX AREA
712	SECONDARY CLARIFIER #s 1,3,5,7,9
712	RAS PUMP STATION STAIRWELLS
712	SECONDARY CLARIFIER #s 2,4,6,8,10,11,12,13
712	RAS PUMP STATION STAIRWELLS
713	CHLORINE HANDLING
714	CHLORINE CONTACT CHANNEL
714	CHLORINE MIXING NORTH STRUCTURE
714	CHLORINE MIXING SOUTH STRUCTURE
715	SOLIDS HANDLING BUILDING
715	ODOR CONTROL
718	FACILITY SERVICES AND ANNEX
720	BYPASS AND INFLUENT CHANNELS
721	FLOW DIVERSION STRUCTURE
722	MAIN ELECTRICAL SUBSTATION
723	RETAINING WALL
724	INTERMEDIATE PUMP STATION
717	MULTI-USE FACILITY
708	WASTE GAS INCINERATORS
725	PERIMETER BERM WALL, IRRIGATION, ENTRY PORTAL
700	RAW SEWAGE TRANSITION STRUCTURE
700	GENERAL SITE

PROPOSED LOCATION OF NEW
5,600 SQ. FT. SCREENING
HANDLING BUILDING



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No.	REVISION	BY	APP'D	DATE

CDM
 Camp Dresser & McKee
 1218 3rd Ave., Suite 1100
 Seattle, WA 98101
 Phone: 206-336-4900
 consulting • engineering • construction • operations

**CONDITIONAL USE
SUBMITTAL**

DESIGNED/DRAWN:	QA/QC:
PROJECT ENGINEER:	SCALE:
DESIGN APPROVAL:	AS NOTED
PROJECT ACCEPTANCE:	ONE INCH (REFERENCE)
D. STARK	CONTRACT NO: T300516

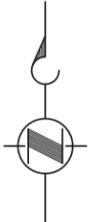


DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
**FACILITY PLOT PLAN
 AND PARKING SUMMARY**

DCN:	DATE:
PROJECT FILE NO: 423621/ 002	DRAWING NO: G0002
SHEET NO: OF #	

PUGET SOUND

PUGET SOUND



PROJECT SITE

WEST POINT TREATMENT PLANT
1400 UTAH AVE
SEATTLE, WA 98199

WEST POINT LIGHTHOUSE

WEST PORTAL INFLUENT CONTROL STRUCTURE

ACCESS ROAD
C1 / C2 WATER RESERVOIR

UTAH ST

144" ID FT. LAWTON PARALLEL TUNNEL

TRUCK ROUTE THROUGH DISCOVERY PARK

VISITOR'S CENTER

EAST GATE ENTRANCE

WEST PORTAL

144" ID FT. LAWTON TUNNEL

EAST PORTAL

144" INTERCEPTOR TO WEST POINT TREATMENT PLANT

EAST PORTAL BIFURCATION STRUCTURE

29TH AVE W

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D. STARK T300516



DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
WEST POINT WASTEWATER TREATMENT PLANT
INFLUENT SCREENINGS IMPROVEMENT PROJECT
LOCATION MAP

DCN:	DATE:
PROJECT FILE NO: 423621/ 002	DRAWING NO: G0004
SHEET NO: OF #	

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 IMAGES:

@	ABAN	AT	ABANDONED	HB	HOSE BIBB	S	SOUTH, SLOPE
AC	ASBESTOS CEMENT OR ASPHALT CONCRETE	HDPE	HIGH DENSITY POLYETHYLENE (PIPE)	HDPP	HIGH DENSITY POLYPROPYLENE (PIPE)	SCF	STEAM CLEAN FLOW
ACP	ASPHALT CONCRETE PAVEMENT	HH	HAND HOLE	HOR	HORIZONTAL	SCL	SEATTLE CITY LIGHT
ADMIN	ADMINISTRATION	HP	HIGH PRESSURE OR HIGH POINT	HRF	HEAT RESERVOIR FLOW	SCR	STEAM CLEAN RINSE
AHD	AHEAD	HVP	HIGH VOLTAGE POWER	HW	HIGH WATER	SD	STORM DRAIN
AL	ALUMINUM	HYD	HYDRANT	IC	INSTRUMENT CONTROL	SEB	SMALL END BELL
APPROX	APPROXIMATE	ID	INSIDE DIAMETER	IE	INVERT ELEVATION	SED	SEATTLE ENGINEERING DEPARTMENT
ASPH	ASPHALT	IFL	INFLUENT	IN	INCH	SLV	SLEEVE
AT	AERIAL TELEPHONE	INV	INVERT	INT	INTERSECTION	SN	SUPERNATANT
ATB	ASPHALT TREATED BASE	IRR	IRRIGATION	KVA	KILOVOLT AMP	SOL	SOLID, SOLUTION
AV	AIR VALVE	KV	KILOVOLT	L	LIGHT	SQ	SQUARE
AVE	AVENUE, AVERAGE	L	LINEAR FEET	LF	LOW POINT	SS	SANITARY SEWER
BE	BOTTOM OF EXCAVATION	LP	LOW POINT	LPG	LOW PRESSURE GAS	SSFM	SANITARY SEWER FORCE MAIN
BF	BUTTERFLY VALVE	LT STD	LIGHT STANDARD	LT	LEFT	ST	STREET
BK	BACK	LTG	LIGHTING	LTV	LOW VOLTAGE POWER	STA	STATION
BLDG	BUILDING	LVP	LOW VOLTAGE POWER	M	METER	STD	STANDARD
BLVD	BOULEVARD	M	MAINTENANCE	MAINT	METAL BOLTS	STL	STEEL
BM	BENCH MARK	MB	MOUNTED	MH	MANHOLE	SWD	SEATTLE WATER DEPARTMENT
BO	BLOWOFF	MH	MEAN HIGHER HIGH WATER	MHHW	MECHANICAL JOINT	T	TELEPHONE
BOT	BOTTOM	MJ	MEDIUM PRESSURE GAS	MJC	MOUNTED	TAN	TANGENT
BW	BOTTOM OF WALL	MTD	MOUNTED	N	NORTH	TC	TOP OF CONCRETE
C	CONDUIT	N	NUMBER	NO.	NORTHWEST	TE	TOP ELEVATION
CB	CATCH BASIN	NTS	NOT TO SCALE	NTS	NORTHWEST	TELCO	TELEPHONE COMPANY
CC	CURVE CENTER	OH	OVERHEAD	OH	OVERHEAD	TEMP	TEMPORARY
CD	CUTOFF DRAIN	P/PD	POWER/POWER DISTRIBUTION	P/PD	POWER/TELEPHONE	TG	TOP OF GRATE
CDF	CONTROLLED DENSITY FILL	P/T	POWER, PROPANE	P/T	POINT OF CURVATURE, PHOTO CELL	TLM	TELEMETRY
CG	COAST GUARD	P	POINT OF COMPOUND CURVATURE, PORTLAND CEMENT CONCRETE	P	PERFORATED	TV	TELEVISION CABLE
CG	COAST GUARD	PCC	PERFORATED	PCC	POINT OF COMPOUND CURVATURE, PORTLAND CEMENT CONCRETE	TW	TOP OF WALL
CI	CAST IRON	PERF	PHASE	PERF	PHASE	TYP	TYPICAL
CIP	CAST IN PLACE	PH	POINT OF INTERSECTION	PH	POINT OF INTERSECTION	UD	UNDERDRAIN
CL	CHLORINE	PI	POINT OF INTERSECTION OF VERTICAL CURVE	PI	POINT OF INTERSECTION OF VERTICAL CURVE	UG	UNDERGROUND
@ & CTL	CENTER LINE	PVC	PARKER-KALON MASONRY NAIL	PVC	PARKER-KALON MASONRY NAIL	USCG	UNITED STATES COAST GUARD.
CLDI	CEMENT-LINED DUCTILE IRON	PJF	PREMOLDED JOINT FILLER	PJF	PREMOLDED JOINT FILLER	UTIL	UTILITIES
CMP	CORRUGATED METAL PIPE	PL	PROPERTY LINE	PL	PROPERTY LINE	V	VALVE, VOLT
CO	CLEANOUT	PNL	PANEL	PNL	PANEL	VB	VALVE BOX
CONC	CONCRETE	PN	POINT NUMBER	PN	POINT NUMBER	VC	VERTICAL CURVE
CP	CONCRETE PIPE	POC	POINT ON CURVE	POC	POINT ON CURVE	VERT	VERTICAL
CPTS	CATHODIC PROTECTION TEST STATION	POT	POINT ON TANGENT (LINE)	POT	POINT ON TANGENT (LINE)	VPC	VERTICAL POINT OF CURVATURE
CU	COPPER	PRC	POINT OF REVERSE CURVATURE	PRC	POINT OF REVERSE CURVATURE	VPI	VERTICAL POINT OF INTERSECTION
CY	CUBIC YARD	PREP	PREPARATION	PREP	PREPARATION	VPT	VERTICAL POINT OF TANGENCY
DB	DUCT BANK	PRG, P	PROPANE GAS	PRG, P	PROPANE GAS	W	WATER, WEST
DEG & °	DEGREE	PRV	PRESSURE REDUCING VALVE	PRV	PRESSURE REDUCING VALVE	WL	WATER LINE
DEMO	DEMOLISH	PSD	PIPE STORM DRAIN	PSD	PIPE STORM DRAIN	WM	WATER METER
DEPT	DEPARTMENT	PT	POINT OF TANGENCY	PT	POINT OF TANGENCY	WWF	WELDED WIRE FABRIC
DI	DRAINAGE INLET, DUCTILE IRON	PVC	POLYVINYL CHLORIDE	PVC	POLYVINYL CHLORIDE		
DIA & {	DIAMETER	PVMT	PAVEMENT	PVMT	PAVEMENT		
DIP	DUCTILE IRON PIPE	PWRMH	POWER MANHOLE	PWRMH	POWER MANHOLE		
DIV	DIVERSION	PWRVLT	POWER VAULT	PWRVLT	POWER VAULT		
DW	DEWATERING	R	RADIUS	R	RADIUS		
E	EAST	RCP	REINFORCED CONCRETE PIPE	RCP	REINFORCED CONCRETE PIPE		
EFFL	EFFLUENT	RD	ROAD	RD	ROAD		
EL	ELEVATION	RGS	RIGID GALVANIZED STEEL	RGS	RIGID GALVANIZED STEEL		
ELB	ELBOW	RIM	MANHOLE RIM	RIM	MANHOLE RIM		
ELEC	ELECTRICAL	RJ	RESTRAINED JOINT	RJ	RESTRAINED JOINT		
EP	EDGE OF PAVEMENT	RND	ROUND	RND	ROUND		
EQ	EQUATION	RR	RAILROAD	RR	RAILROAD		
ESMT	EASEMENT	RS	RAW SEWAGE	RS	RAW SEWAGE		
EX & EXIST	EXISTING	RT	RIGHT	RT	RIGHT		
EXT	EXTRUDED						
F/C	FACE OF CURB						
FF	FINISHED FLOOR						
FG	FINISHED GRADE						
FH	FIRE HYDRANT						
FL	FLOW LINE						
FM	FORCE MAIN						
FNC	FENCE						
FT	FEET						
FTG	FOOTING						
G	NATURAL GAS						
GAL	GALLON						
GALV	GALVANIZED						
GB	GRADE BREAK						
GL	GUTTER LINE						
GV	GATE VALVE						
GWT	GROUND WATER TABLE						

NOTE:
 1. FOR FLOW STREAM ABBREVIATIONS
 SEE THE LEGEND ON THE
 "SCHEDULE - PIPING AND VALVE"
 DRAWING

THIS SET OF ABBREVIATIONS APPLIES TO THE DRAWINGS
 WITH THE FOLLOWING PREFIX LETTER(S): X, D, CC, C, Y AND TC

No.	REVISION	BY	APP'D	DATE



**CONDITIONAL USE
 SUBMITTAL**

DESIGNED/DRAWN: MATT CROW	QA/QC:
PROJECT ENGINEER:	SCALE: AS NOTED
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DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT

ABBREVIATIONS - CIVIL

DCN:
DATE:
PROJECT FILE NO: 423621/ 002
DRAWING NO: G0005
SHEET NO: OF #

CIVIL

GENERAL

NOTE:

1. THE CONTRACT DRAWINGS PRESENT BOTH FULL TONE AND SCREENED LINES. THE FACILITIES THAT ARE THE SUBJECT OF THE DRAWING TITLE ARE TYPICALLY SHOWN AS FULL TONE LINES. THE SCREENED LINES GENERALLY REPRESENT EITHER EXISTING FEATURES OR FACILITIES SHOWN ON OTHER DRAWING SETS AS BOLD. SEE C00401 GENERAL NOTES FOR COMMENTS RELEVANT TO THE DIFFERENT DRAWING SETS

* PIPE TYPE XX REFERS TO THE LETTER DESIGNATIONS UNDER COLUMN HEADING "LEGEND" SHOWN ON THE "SCHEDULE - PIPING AND VALVES", DRAWINGS SC013 - SC018. PIPE MATERIALS SHOWN ON THE DRAWINGS, IN PARENTHESIS, SUPERSEDES THE MATERIALS SHOWN IN THE SCHEDULE

PIPING AND DRAINAGE

- DITCH W/DIRECTION OF FLOW
- EXFILTRATION FLOW
- INTERMITTENT STREAM
- PERENNIAL STREAM
- WETLAND
- EDGE OF WATER
- CULVERT W/DIAMETER D AND TYPE XX *
- PIPE, (ID > 72") W/DIAMETER D AND TYPE XX *
- PIPE, (24" < ID < 72") W/DIAMETER D AND TYPE XX *
- PIPE, (ID < 24") W/DIAMETER D AND TYPE XX *
- PIPE DIAMETER D, TYPE XX AND SLOPE
- CATHODIC PROTECTION TEST STATIONS
- MANHOLE WITH COVER
- CATCH BASIN
- CLEANOUT
- CAP OR PLUG
- DIRECTION OF FLOW
- MANHOLE - PROFILE
- CATCH BASIN - PROFILE
- GRAVEL PACKED TRENCH DRAIN
- MANHOLE/CATCH BASIN PLAN-PROFILE CROSS REFERENCE (MANHOLE OR CATCH BASIN X ON DRAWING NO. XXX)

WATER

- VALVE
- REDUCER/INCREASER
- HOSE BIBB
- FIRE HYDRANT
- AIR VALVE W/SIZE
- BLOWOFF W/SIZE
- WATER METER

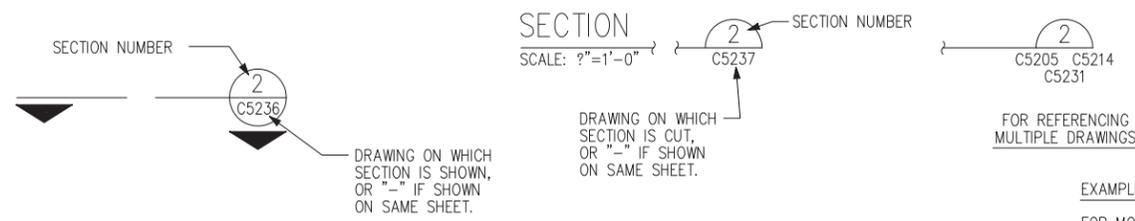
PAVING

- PROPOSED AC PAVEMENT ABUTTING EXIST FACILITY
- PROPOSED AC PAVEMENT
- GRAVEL SURFACE
- CONCRETE SIDEWALK

UTILITIES

- UG ELECTRICAL DUCT
- LIGHTING
- POWER CONDUIT W/ DESCRIPTION
- UTILITY W/ DESCRIPTION
- UTILITY POLE
- GUY WIRE W/ANCHOR
- UTILITY VAULT

DESCRIPTIVE SUBTITLE



SECTION

SCALE: ?"=1'-0"

SECTION REFERENCING

DESCRIPTIVE SUBTITLE



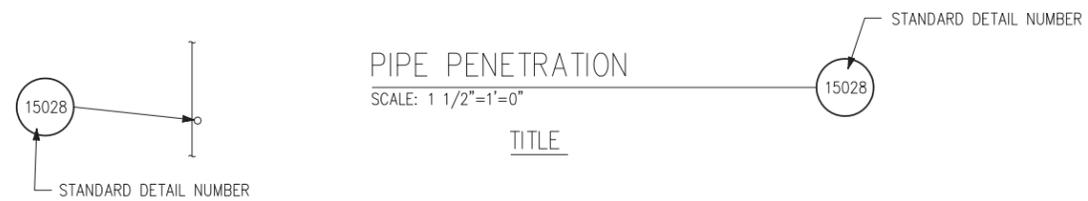
DETAIL

SCALE: 1 1/2"=1'-0"

DETAIL REFERENCING

PIPE PENETRATION

SCALE: 1 1/2"=1'-0"



CALLOUT

STANDARD DETAIL REFERENCING

EXAMPLE:
FOR MORE INFORMATION SEE C5237
OR:
FOR MORE INFORMATION SEE 3/C5237.
FOR REFERENCING MULTIPLE DRAWINGS

EXAMPLE:
FOR MORE INFORMATION SEE C5237
OR:
FOR MORE INFORMATION SEE B/C5237.
FOR REFERENCING DETAILS IN NOTES

EXAMPLE:
FOR MORE INFORMATION SEE 15028
OR:
SEE STD DETAIL NO. 15028
FOR REFERENCING STANDARD DETAILS IN NOTES

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LEGEND - CIVIL AND GENERAL

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@ AB ABDN ABT ABV A/C AC ACC ACI ACST ACT ACU ADD ADDL ADJ AFF AGGR AHR AHU AISC AL ALM ALTN ALY ANSI APPROX APVD ARCH. ASPH. ASSN ASSY ASU AUTO. AUX AVAIL. AVG BETW BF BG BKGD BL BLDG BLKG BLK BLT BLW BM BOD BOT BR BRK BRG BS BSMT BTU B/U BW C TO C CAB. CAT. CB CD CEM CFM CFS CG CH CHBD CHP CI CIP CJ CL & C CLG CLO CLR CMP CMPSN CMU CND CO COL CONC CONN CONST CONT CONTR COP CORP CORR CPLG CPT CR CSMT CT CTF CTP CTR CTSK	AT ANCHOR BOLT ABANDON ABOUT ABOVE AIR CONDITIONING ASBESTOS CEMENT, ASPHALT CONCRETE AREA CONTROL CENTER AMERICAN CONCRETE INSTITUTE ACOUSTIC ACOUSTIC TILE AIR-COOLED CONDENSING UNIT ADDENDUM ADDITIONAL ADJACENT, ADJUSTABLE ABOVE FINISHED FLOOR AGGREGATE ANCHOR AIR HANDLING UNIT AMERICAN INSTITUTE OF STEEL CONSTRUCTION ALUMINUM ALARM ALTERNATE ALLOY AMERICAN NATIONAL STANDARDS INSTITUTE APPROXIMATE APPROVED ARCHITECTURE ASPHALT ASSOCIATION ASSEMBLY AIR SUPPLY UNIT AUTOMATIC AUXILIARY AVAILABLE AVERAGE BETWEEN BOTTOM FACE LOW WALL GRILLE BACKGROUND BASE LINE BUILDING BLOCKING BLOCK BOLT BELOW BEAM, BENCH MARK BOTTOM OF DUCT BOTTOM LOW WALL REGISTER BRICK BEARING BLACK STEEL BASEMENT BRITISH THERMAL UNIT BUILT UP BOTH WAYS CENTER TO CENTER CABINET CATALOG CATCH BASIN CEILING DIFFUSER CEMENT CUBIC FOOT PER MINUTE CUBIC FOOT PER SECOND CENTER OF GRAVITY CHILLER CHALKBOARD CHILLED WATER PUMP CAST IRON CAST-IN-PLACE CONSTRUCTION JOINT CENTER LINE CEILING CLOSET CLEAR, CLEARANCE CORRUGATED METAL PIPE COMPOSITION (COMPOSITE) CONC MASONRY UNITS CONDUIT CLEANOUT COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUE, CONTINUOUS CONTRACT, CONTRACTOR COPPER CORPORATION CORRUGATED COUPLING CARPET CEILING REGISTER, CONDUIT RACK CASEMENT COOLING TOWER, CERAMIC TILE CENTRIFUGE COOLING TOWER PUMP CENTER COUNTERSUNK	CUH C.VNL CW CYL D DB DBL DCO DEMO DET DF DG DI DIA DIAG DIR DIM DISCH DIST DKG DN DS DR DWG DWL DWR EA EB ECC EDH EE EF EHD EL ELEC EQL SP EQPT ET EW EWC EXH EXP EXP JT EXST EXT F.O.I.C. FAB FB FCO FCTY FD FDN FEXT FFL FG FGWB FIN FL F/L FLD FLG FLR FNSH FOC FOF FOM FOS FPM FPS FRP FTG FX FXTR GA GALV GB GBB GC GFI GL GLCI GND GPM GPS GR GSB GVL GWB GWBX GYP GS HAS. HB HC HD HDCP HDNR HDR	CABINET UNIT HEATER CONDUCTIVE VINYL COLD WATER CYLINDER DRAIN DUCT BANK DOUBLE DECK CLEANOUT DEMOLITION DETAIL DRINKING FOUNTAIN DOOR GRILLE DUCTILE IRON DIAMETER DIAGONAL DIRECTION DIMENSION DISCHARGE DISTANCE DECKING DOWN DOWNSPOUT DOOR DRAWING DOWEL DRAWER EACH EXPANSION BOLT ECCENTRIC ELECTRIC DUCT HEATER EMERGENCY EYE WASH EACH FACE, EXHAUST FAN ELECTRIC HAND DRYER ELEVATION ELECTRIC(AL) EQUALLY SPACED EQUIPMENT EXPANSION TANK EACH WAY ELECTRIC WATER COOLER EXHAUST EXPANSION EXPANSION JOINT EXISTING EXTERIOR FURNISHED BY OWNER INSTALLED BY CONTRACTOR FABRICATE FLAT BAR FLOOR CLEANOUT FACTORY FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FINISH FLOOR FINISH GRADE, FLOOR GRILLE, FLOAT GLASS FOIL BACKED GYPSUM WALLBOARD FINISH FLOOR, FLOW, FLASHING FLOOR LINE FUSIBLE LINK DAMPER FLANGE FLOOR FINISH FLOOR, FLOW, FLASHING FLOOR LINE FUSIBLE LINK DAMPER FLANGE FLOOR FINISH FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUDS FOOT PER MINUTE FOOT PER SECOND FIBERGLASS REINFORCED PLASTIC FOOTING VEHICLE FUME EXHAUST SYSTEM FIXTURE GAGE GALVANIZE (HOT DIP) GRAB BAR GYPSUM BACKING BOARD GENERAL CONTRACTOR GROUND FAULT INTERCEPTOR GLASS, GLAZING GLASS LINED CAST IRON PIPE GROUND GALLON PER MINUTE GALLON PER SECOND GRADE GYPSUM SOFFIT BOARD GRAVEL GYPSUM WALLBOARD FIRE RATED GYP. BOARD GYPSUM GALVANIZED STEEL GRATING SUPPORT HEADED ANCHOR STUD HOSE BIBB HOLLOW CORE HUB DRAIN HANDICAPPED HARDENER HEADER	HDW HGR HGT HM HORIZ HP HR HTP HU HVAC HW HX ID IF IMRA IN INCL INSUL INTR INVT JAN JST JT KO KPL L LAB. LAM LAV LINO LL LNTL LONG. LT LVR MAT MAX MB MBD M & BH MC MD MECH MEMB MET. MFR MH MIN MIR MIS ML MO MOD MSL MTD NA NIC NO. NOM NTS O TO O OC OD OF. OH OPNG OPP ORIG PC PE PEN. PERP PH PL PLAM PLAS PLG PLYWD PNL POC PR PRCST PS PSL PTD/R PVC R RA RAC RD RDCR RECIRC RECM REINF REPL REQD RESIL RFG RH	HARDWARE HANGER HEIGHT HOLLOW METAL HORIZONTAL HORSEPOWER HOSE RACK, HOUR HEAT PUMP HUMIDIFIER HEATING/VENTILATING/AIR CONDITIONING HOT WATER HEATER HEAT EXCHANGER INSIDE DIAMETER INSIDE FACE INVERTED MEMBRANE ROOF ASSEMBLY INCH INCLUDE (D) (ING) INSULATION INTERIOR INVERT JANITOR JOIST JOINT KNOCK OUT KICK PLATE ANGLE LABORATORY LAMINATE (D) LAVATORY LINOLEUM LIVE LOAD LINTEL LONGITUDINAL LIGHT LOUVER MATERIAL MAXIMUM MACHINE BOLT MARKER BOARD MOP AND BROOM HOLDER MEDICINE CABINET MOTORIZED DAMPER MECHANICAL MEMBRANE METAL MANUFACTURER MANHOLE MINIMUM MIRROR MISCELLANEOUS MOTORIZED LOUVER MASONRY OPENING MODULAR MEAN SEA LEVEL MOUNTED NOT APPLICABLE NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE OUT TO OUT ON CENTER OUTSIDE DIAMETER/OVERFLOW DRAIN OUTSIDE FACE OVERHEAD OPENING OPPOSITE ORIGINAL PIECE PLAIN END PENETRATION PERPENDICULAR PIPE HANGER PLATE, PROPERTY LINE PLASTIC LAMINATE PLASTER PILING PLYWOOD PANEL POINT OF CURVATURE PAIR PRECAST PAINT SYSTEM, PIPE SUPPORT PIPE SLEEVE PAPER TOWEL DISPENSER & RECEPTOR POLYVINYL CHLORIDE RISER RETURN AIR ROOM AIR CONDITIONER RAIN DRAIN, ROOF DRAIN REDUCER RECIRCULATE RECOMMENDED REINFORCE REPLACE REQUIRED RESILIENT ROOFING ROBE HOOK	RL RM RMV RO RP RST RTNG RUB RUBT SA SC SCD SCHED SD SEC SECT. SERV. SF SH SHS SHTHG SHVNL SIM SK SL S/L SLR SM SND SPG SPEC SQ SS SSH SSK SST STA STD STIF STL STOR STR STRUCT SUBMG SUCT SW SYMM SYS T T & G TAC TB TBD TBB TC TEMP TF THK THKNS TOC TOM TP TPD TR TRANSV TST TT TTD TW TYP TPTN UH UNO UR V VAC VCT VERT VTR VWC W OF WF WD W/ W/O WC WH WP WR W/R WRGWB WS WWF	RAIN LEADER *SPEC ROOM REMOVE ROUGH OPENING RADIUS POINT REINFORCING STEEL RETAINING RUBBER RUBBER TILE SOUND ATTENUATOR/SUPPLY AIR SELF CONTAINED AIR-CONDITIONING UNIT,SOLID CORE SEAT COVER DISPENSER SCHEDULE SOAP DISPENSER SECONDARY SECTION SERVICE SUPPLY FAN SHEET SHOWER SEAT SHEATHING SHEET VINYL SIMILAR SINK STRUCTURAL LINE SUPERNATANT LIQUOR SEALER SCUM SANITARY NAPKIN DISPENSER SPACING SPECIFICATION SQUARE SANITARY SEWER SAFETY SHOWER SERVICE SINK STAINLESS STEEL STATION STANDARD STIFFENER STEEL STORAGE STRAIGHT STRUCTURE SUBMERGED SUCTION SEAL WATER SYMMETRICAL SYSTEM TREAD TONGUE AND GROOVE THERMAL AIR CONDITIONER TOWEL BAR TACKBOARD TILE BACKER BOARD TOP OF CONCRETE, TOP OF CURE TEMPORARY TOP FACE THICK THICKNESS TOP OF CONCRETE TOP OF MASONARY TEST PIT TOILET PAPER DISPENSER HIGH WALL REGISTER TRANSVERSE TOP OF STEEL THRUST TIE TOILET TISSUE DISPENSER TOP OF WALL TYPICAL TOILET PARTITION UNIT HEATER UNLESS NOTED OTHERWISE URINAL VENT VACUUM VINYL COMPOSITION TILE VERTICAL VENT THROUGH ROOF VINYL WALL COVERING WIDE FLANGE (BEAM) WOOD WITH WITHOUT WATER CLOSET WATER HEATER WORKING POINT, WATER PROOFING WASTE RECEPTACLE WATER RESISTANT WATER RESISTANT GYP. BOARD WATER SURFACE, WATERSTOP, WELDED STEEL WELDED WIRE FABRIC
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THIS SET OF ABBREVIATIONS APPLIES TO THE DRAWINGS WITH THE FOLLOWING PREFIX LETTER(S): A

DCN:
DATE:
PROJECT FILE NO: 423621/ 002
DRAWING NO: G0007
SHEET NO: OF #

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 Seattle, WA 98101
 Phone: 206-336-4900
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**CONDITIONAL USE
 SUBMITTAL**

DESIGNED/DRAWN:	QA/QC:
PROJECT ENGINEER:	SCALE:
DESIGN APPROVAL:	AS NOTED
PROJECT ACCEPTANCE:	ONE INCH (REFERENCE)
D. STARK	CONTRACT NO: T300516

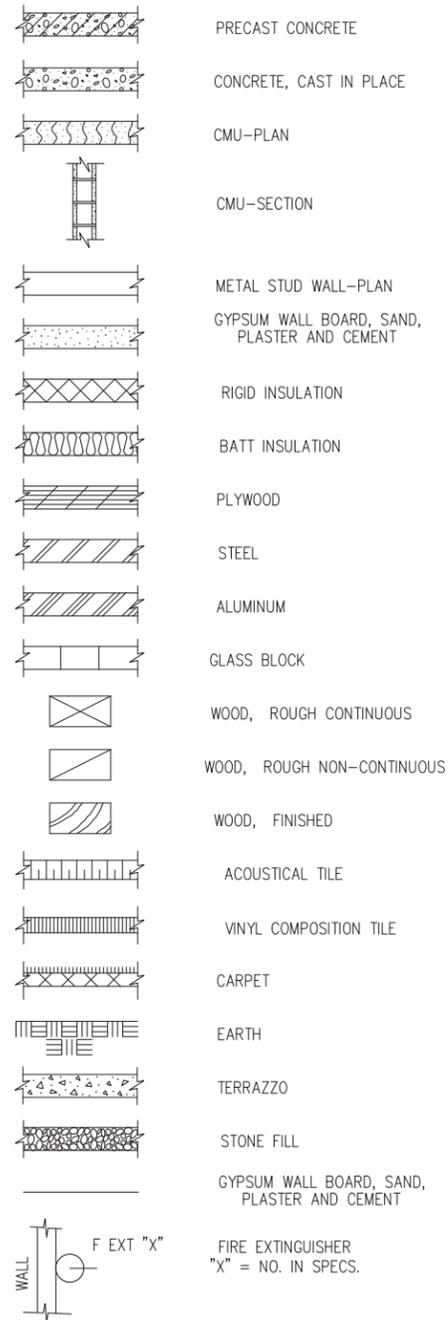
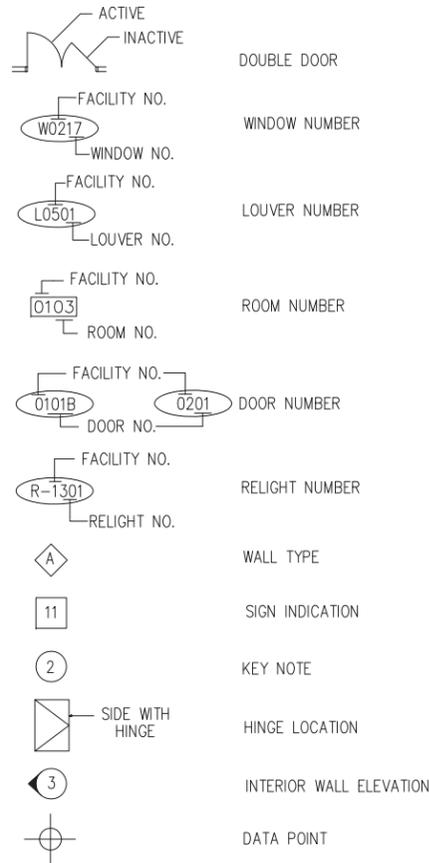


DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
ABBREVIATIONS — ARCHITECTURAL

No.	REVISION	BY	APP'D	DATE

MATERIAL DESIGNATIONS

GENERAL NOTES



- CODES:
ALL WORK SHALL CONFORM TO APPLICABLE BUILDING CODES AND ORDINANCES. IN CASE OF ANY CONFLICT WHEREIN THE METHODS OR STANDARDS OF INSTALLATION OR THE MATERIALS SPECIFIED DO NOT EQUAL OR EXCEED THE REQUIREMENTS OF THE LAWS OR ORDINANCES, THE LAWS OR ORDINANCES SHALL GOVERN. NOTIFY THE CONSTRUCTION MANAGER OF ALL CONFLICTS.
- VERIFY GRADES SHOWN ON DRAWINGS.
- DIMENSIONS:
DIMENSIONS ON PLANS ARE TO FINISH FACE OF WALL OR CENTER LINE OF COLUMNS TYPICALLY UNLESS OTHERWISE NOTED.

EXTERIOR DIMENSIONS ARE TO FACE OF CMU CENTER LINE OF COLUMNS OR FACE OF EXISTING FINISH MATERIAL AS NOTED.

VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY CONSTRUCTION MANAGER OF ANY DISCREPANCIES.
- DO NOT SCALE DRAWINGS:
THE CONTRACTOR SHALL USE DIMENSIONS SHOWN ON THE DRAWINGS AND ACTUAL FIELD MEASUREMENTS. NOTIFY THE CONSTRUCTION MANAGER IF ANY DISCREPANCIES ARE FOUND.
- VERIFY ALL ROUGH-IN DIMENSIONS.
- VERIFY SIZE AND LOCATION OF, AND PROVIDE:
ALL OPENINGS THROUGH FLOORS, WALLS, AND ROOF, ACCESS DOORS, FURRING, CURBS, ANCHORS, INSERTS, MACHINE BASES, AND ROUGH BUCKS AND BACKING FOR SURFACE MOUNTED ITEMS.
- REPETITIVE FEATURES OFTEN ARE DRAWN ONLY ONCE BUT SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- "FLOOR LINE" REFERS TO HIGH POINT OF CONCRETE SLABS OR UNDERLAYMENT.
- ALL DOORS NOT LOCATED BY DIMENSIONS ON PLANS, INTERIOR ELEVATIONS, OR DETAILS SHALL BE 4" FROM FACE OF WALL TO EDGE OF DOOR OPENING OR CENTERED BETWEEN WALLS AS SHOWN.
- THE CONTRACTOR SHALL PROTECT AND MAINTAIN THE INTEGRITY OF ALL EXISTING ROOF SURFACES IN THIS CONTRACT DURING CONSTRUCTION.
- WHERE PIPES OR CONDUITS PASS THROUGH FLOORS OR WALLS, PACK OPENING TIGHT WITH FIRE SAFING.
- REFER TO INTERIOR ELEVATIONS FOR CABINET AND COUNTER DIMENSIONS, MATERIALS, AND DETAILS. VERIFY ALL DIMENSIONS.
- REFER TO OTHER GROUPS OF DRAWINGS FOR ADDITIONAL NOTES AND SYMBOLS.
- ABBREVIATIONS:
THROUGH THE DRAWINGS ARE ABBREVIATIONS WHICH ARE IN COMMON USE. THE LIST OF ABBREVIATIONS PROVIDED IS NOT INTENDED TO BE COMPLETE. THE CONSTRUCTION MANAGER WILL DEFINE THE INTENT OF ANY IN QUESTION.
- EXITS:
ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- PROVIDE GALVANIC INSULATION BETWEEN DISSIMILAR METALS.
- CEILING SUSPENSION SYSTEMS SHALL BE STABILIZED AGAINST LATERAL MOVEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE UBC 1988 EDITION CHAPTER 47.
- WHERE FLOOR DRAINS OR FLOOR SINKS OCCUR, ALL FINISH FLOORS SHALL SLOPE TO DRAIN.
- FOR BELOW GRADE WATERPROOFING DETAILS SEE DRAWING SD 28

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**CONDITIONAL USE
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PROJECT ENGINEER:	SCALE:
DESIGN APPROVAL:	AS NOTED
PROJECT ACCEPTANCE:	ONE INCH (REFERENCE)
D. STARK	CONTRACT NO: T300516

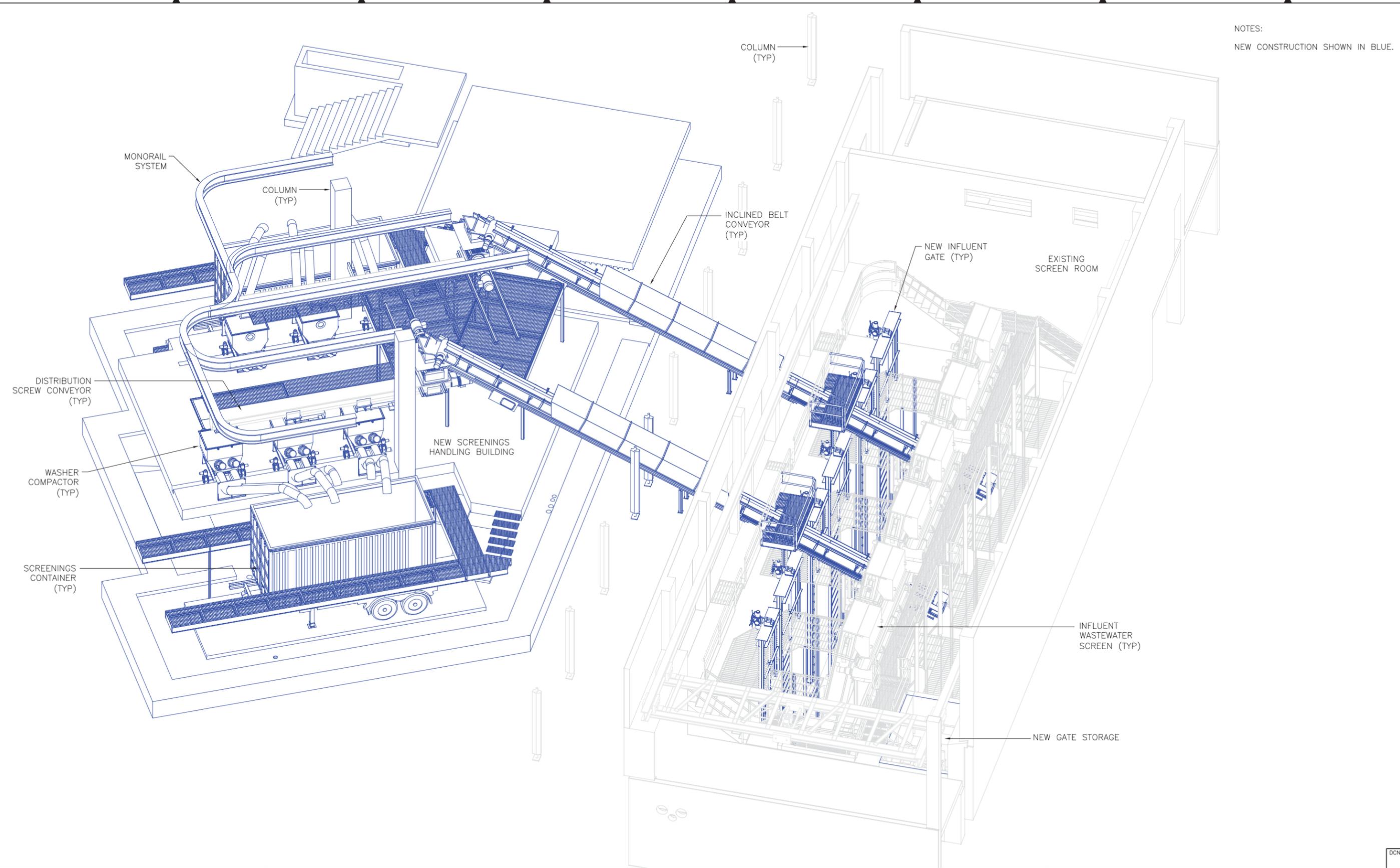


DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
**LEGEND AND NOTES –
 ARCHITECTURAL**

DCN:
DATE:
PROJECT FILE NO: 423621/ 002
DRAWING NO: G0008
SHEET NO: OF #

A B C D E F G H

NOTES:
NEW CONSTRUCTION SHOWN IN BLUE.



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 IMAGES:

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SUBMITTAL**

DESIGNED/DRAWN:	QA/QC:
PROJECT ENGINEER:	SCALE:
DESIGN APPROVAL:	AS NOTED
PROJECT ACCEPTANCE:	CONTRACT NO:
D. STARK	T300516

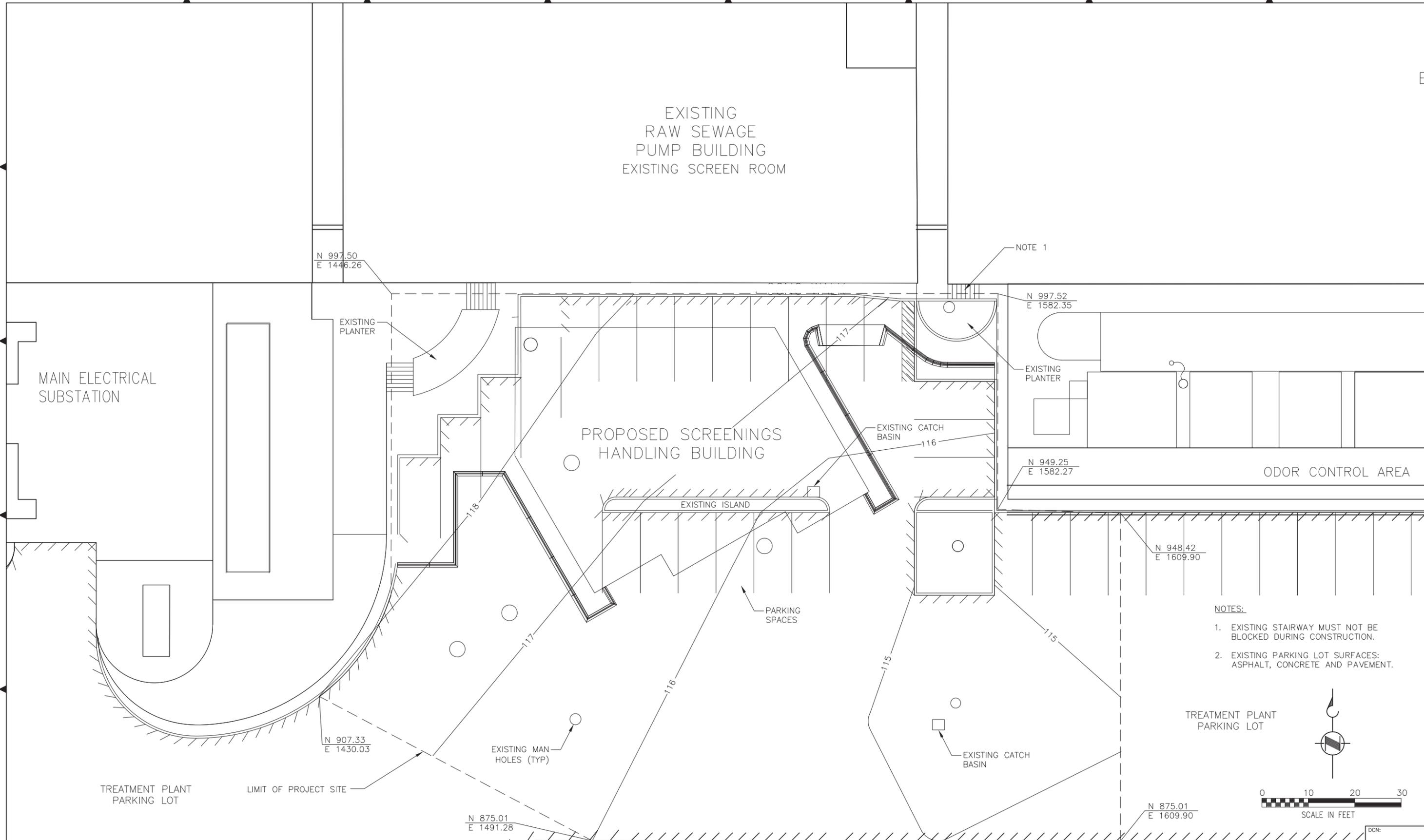


DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT

PLAN OVERVIEW

DCN:
DATE:
PROJECT FILE NO: 423621/ 002
DRAWING NO: G0009
SHEET NO: OF #

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 IMAGES: KC back bing.tif;



- NOTES:**
1. EXISTING STAIRWAY MUST NOT BE BLOCKED DURING CONSTRUCTION.
 2. EXISTING PARKING LOT SURFACES: ASPHALT, CONCRETE AND PAVEMENT.

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**CONDITIONAL USE
 SUBMITTAL**

DESIGNED/DRAWN: QA/QC:
 PROJECT ENGINEER: SCALE:
 MATT CROW AS NOTED
 DESIGN APPROVAL: ONE INCH
 (REFERENCE)
 PROJECT ACCEPTANCE: CONTRACT NO:
 D. STARK T300516



DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
**SITE PLAN
 EXISTING CONDITIONS**

DCN:	DATE:
PROJECT FILE NO: 423621/ 002	DRAWING NO: C0001
SHEET NO: OF #	

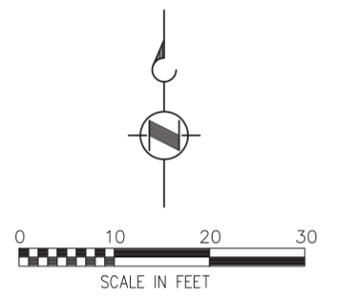
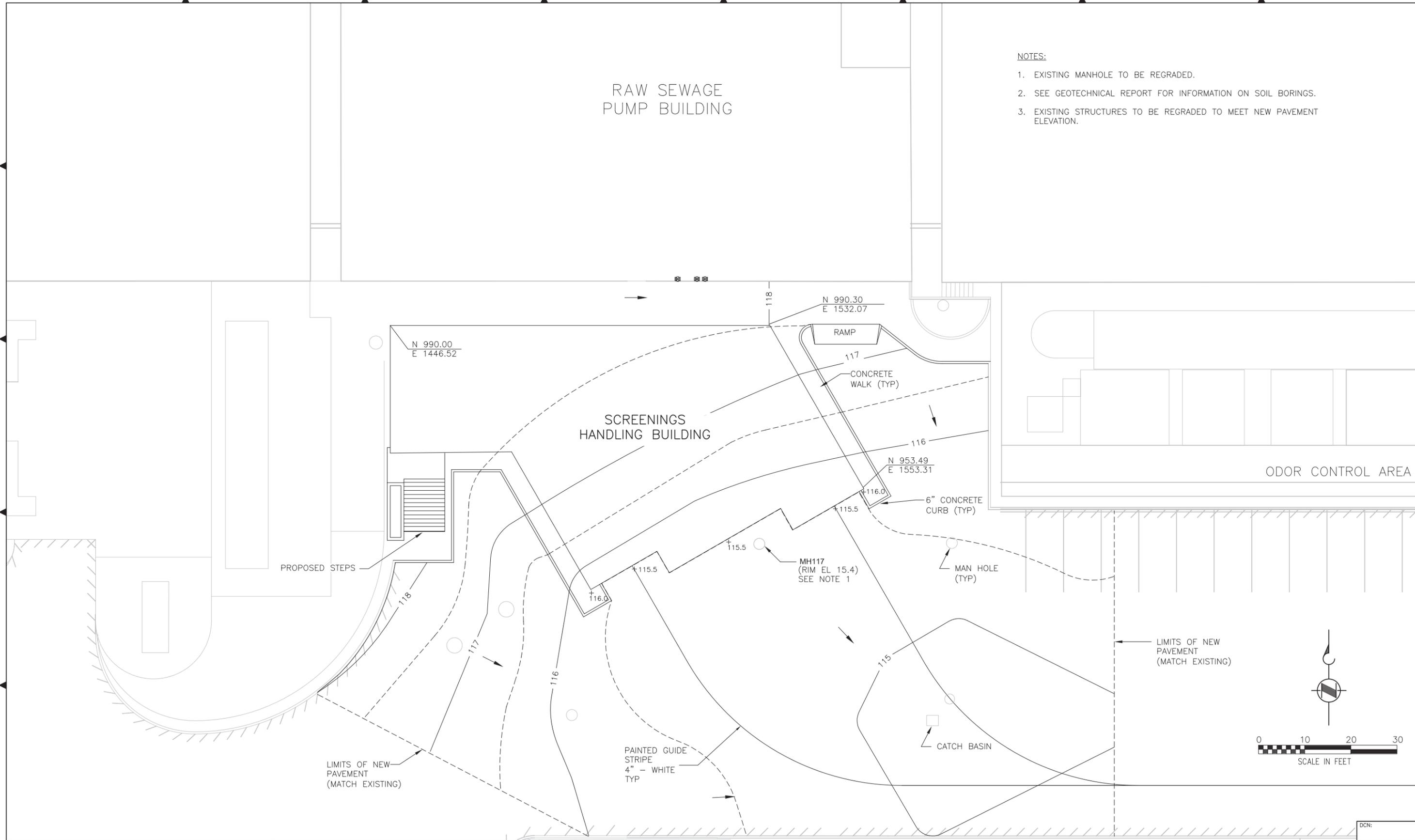
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 IMAGES: KC back bing.tif;

RAW SEWAGE
PUMP BUILDING

- NOTES:
- EXISTING MANHOLE TO BE REGRADED.
 - SEE GEOTECHNICAL REPORT FOR INFORMATION ON SOIL BORINGS.
 - EXISTING STRUCTURES TO BE REGRADED TO MEET NEW PAVEMENT ELEVATION.

SCREENINGS
HANDLING BUILDING

ODOR CONTROL AREA



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**CONDITIONAL USE
SUBMITTAL**

DESIGNED/DRAWN:
CARL LUNDIN
 PROJECT ENGINEER:
MATT CROW
 DESIGN APPROVAL:
 PROJECT ACCEPTANCE:
D. STARK

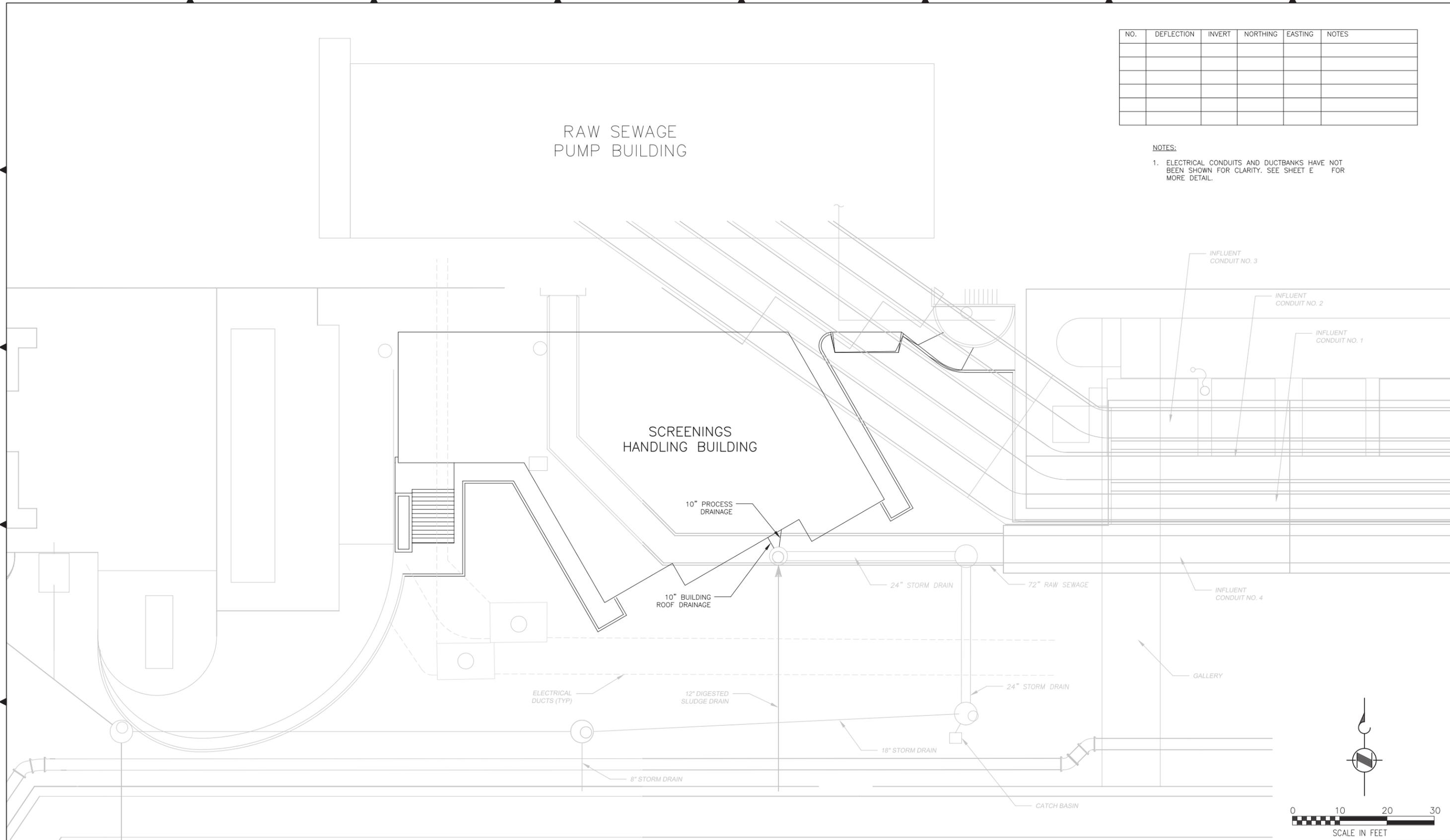
QA/QC:
 SCALE:
AS NOTED
 ONE INCH
(REFERENCE)
 CONTRACT NO:
T300516



DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
PROPOSED SITE PLAN

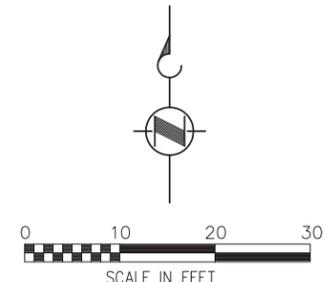
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DATE:	
PROJECT FILE NO:	423621/ 002
DRAWING NO:	C0002
SHEET NO: OF #	

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 IMAGES: KC back bing.tif;



NO.	DEFLECTION	INVERT	NORTHING	EASTING	NOTES

NOTES:
 1. ELECTRICAL CONDUITS AND DUCTBANKS HAVE NOT BEEN SHOWN FOR CLARITY. SEE SHEET E FOR MORE DETAIL.



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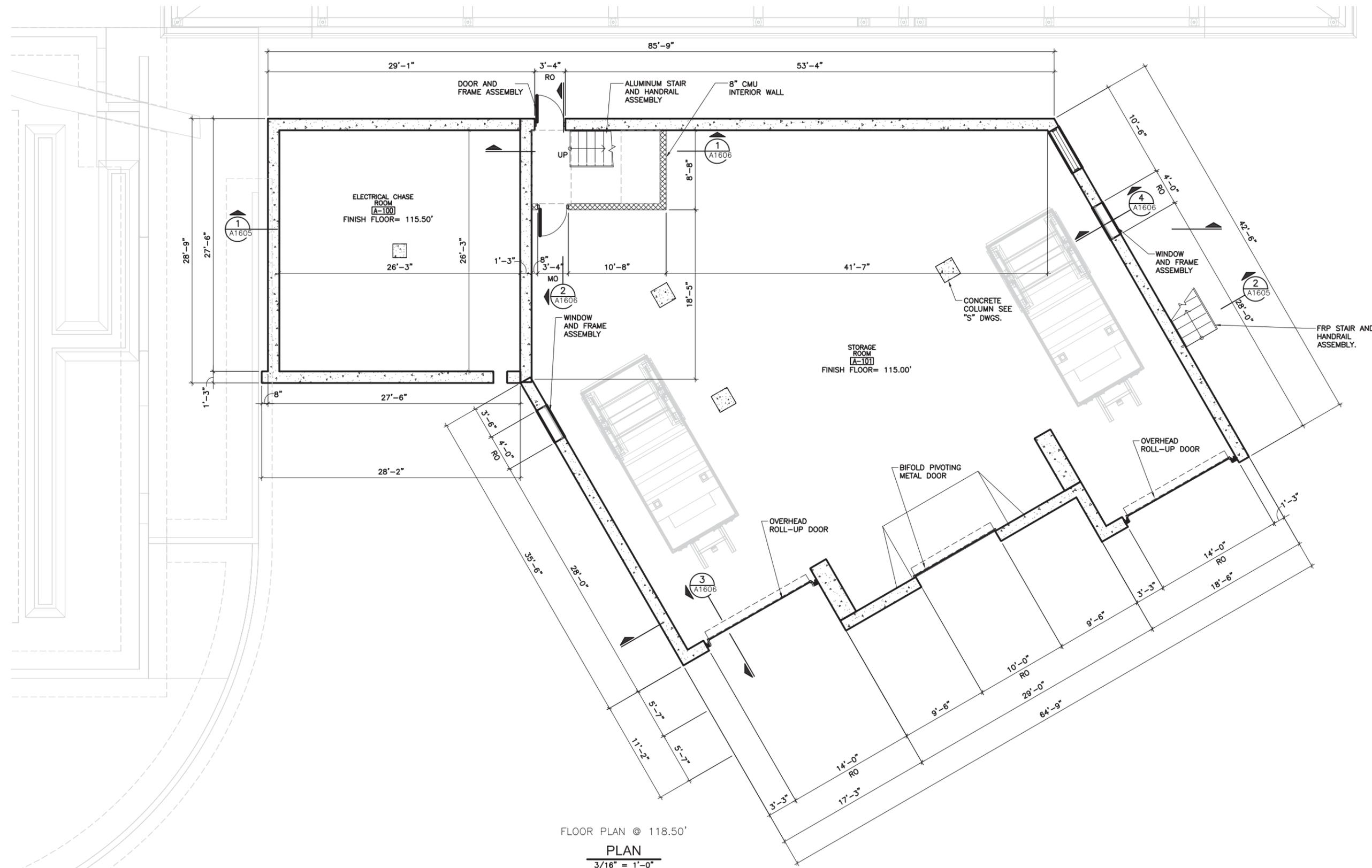
DESIGNED/DRAWN: CARL LUNDIN
 PROJECT ENGINEER: MATT CROW
 DESIGN APPROVAL: [Signature]
 PROJECT ACCEPTANCE: D. STARK

QA/QC: [Signature]
 SCALE: AS NOTED
 CONTRACT NO: T300516



DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
YARD PIPING PLAN

DCN:
DATE:
PROJECT FILE NO: 423621/ 002
DRAWING NO: C0003
SHEET NO: OF #



FLOOR PLAN © 118.50'
PLAN
3/16" = 1'-0"

C:\cdm\papehp\d0361379\716-621-002-1601.dwg | Layout: A-1
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IMAGES:

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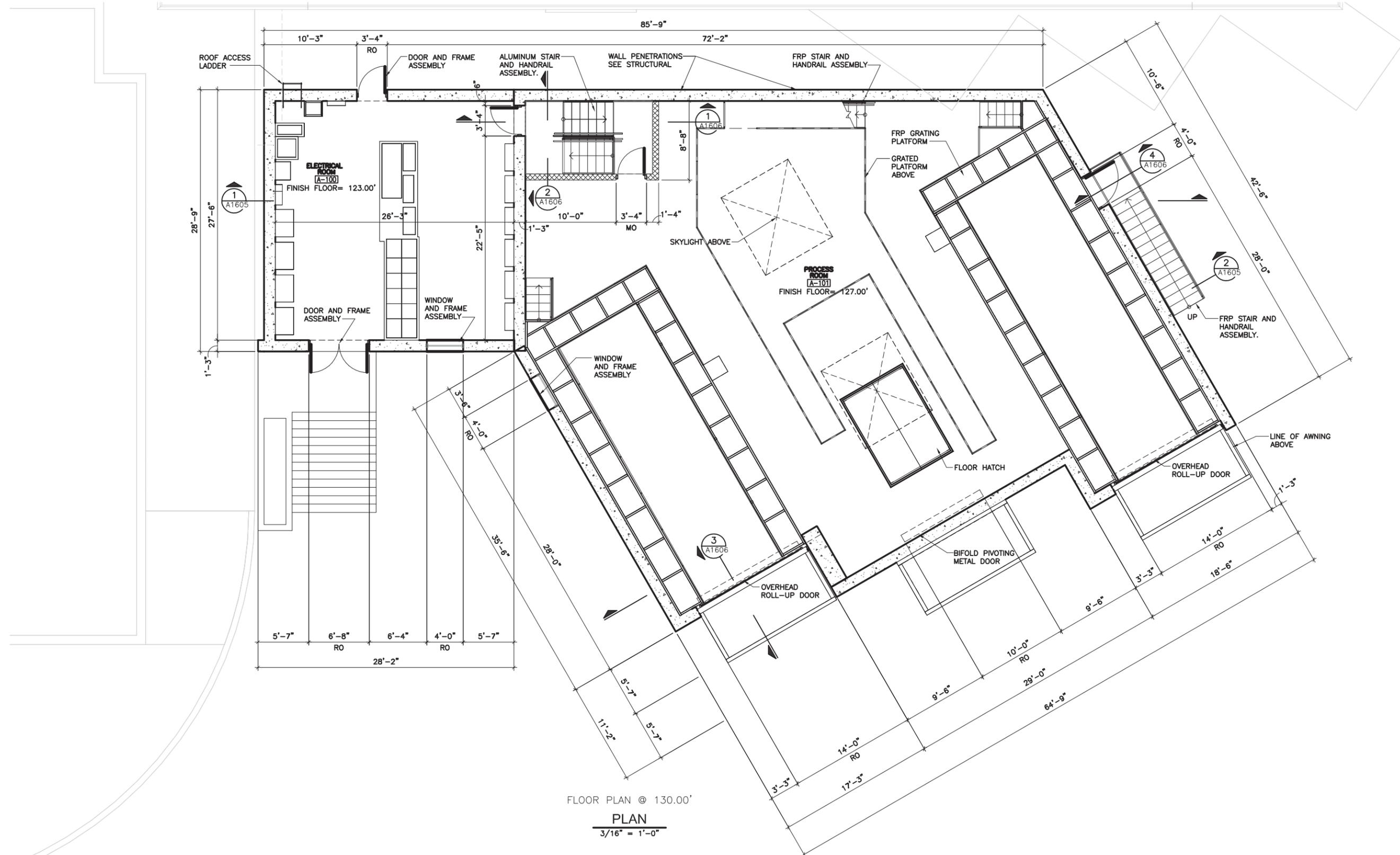
DESIGNED/DRAWN: QA/GC:
ED GALINDO
PROJECT ENGINEER: SCALE:
AS NOTED
DESIGN APPROVAL: ONE INCH (REFERENCE)
PROJECT ACCEPTANCE: CONTRACT NO:
D. STARK T300516



DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
WEST POINT WASTEWATER TREATMENT PLANT
INFLUENT SCREENINGS IMPROVEMENT PROJECT
**SCREENINGS HANDLING
GROUND FLOOR PLAN**

DCN:
DATE:
PROJECT FILE NO: 423621/ 002
DRAWING NO: A1601
SHEET NO: OF #

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 IMAGES:



FLOOR PLAN @ 130.00'
PLAN
 3/16" = 1'-0"

No.	REVISION	BY	APP'D	DATE

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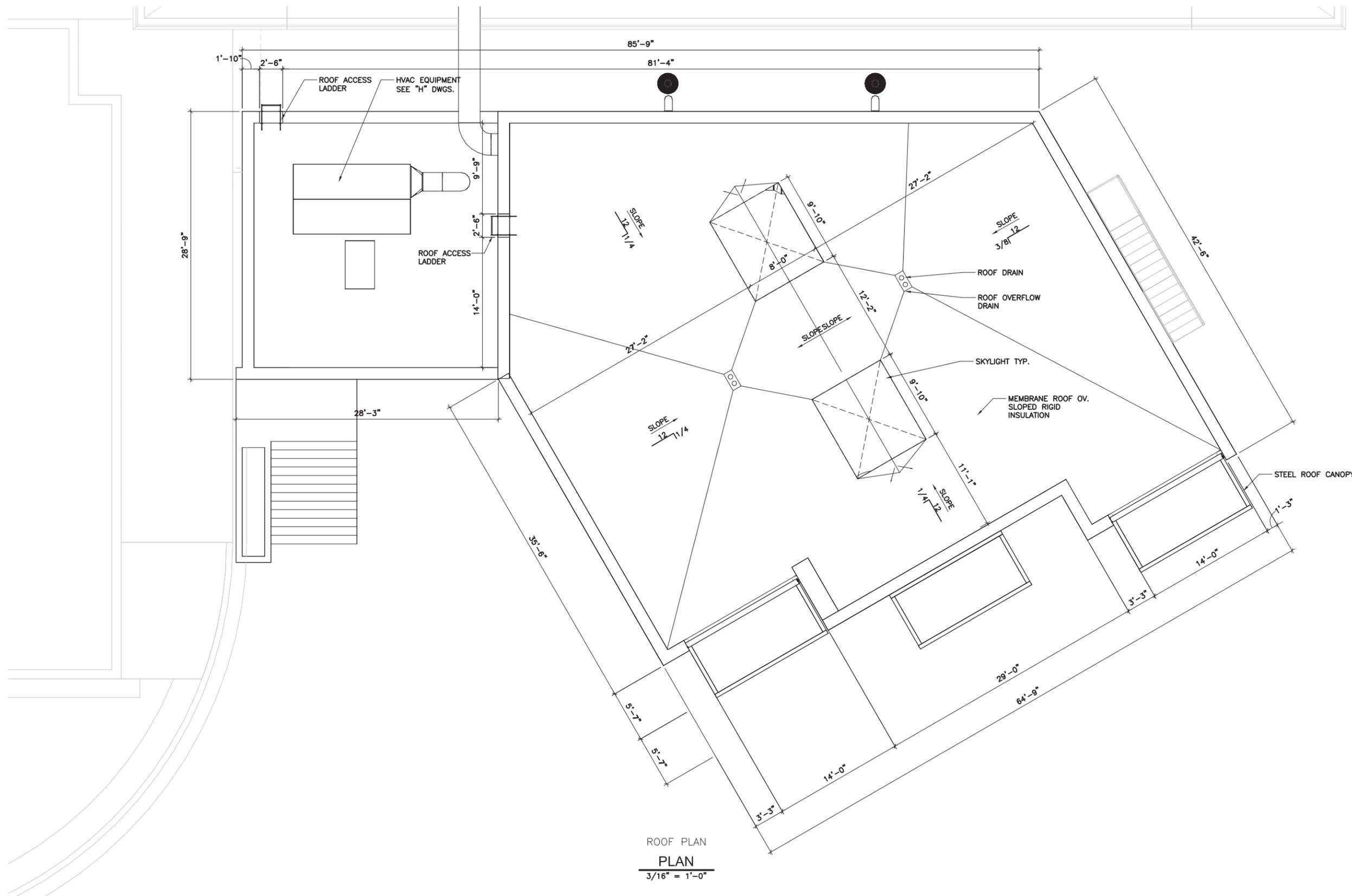
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 D. STARK T300516



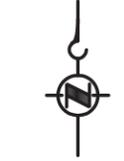
DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
**SCREENINGS HANDLING
 MEZZANINE FLOOR PLAN**

DCN:	DATE:
PROJECT FILE NO: 423621/ 002	DRAWING NO: A1602
SHEET NO: OF	#

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 IMAGES:



ROOF PLAN
 PLAN
 3/16" = 1'-0"



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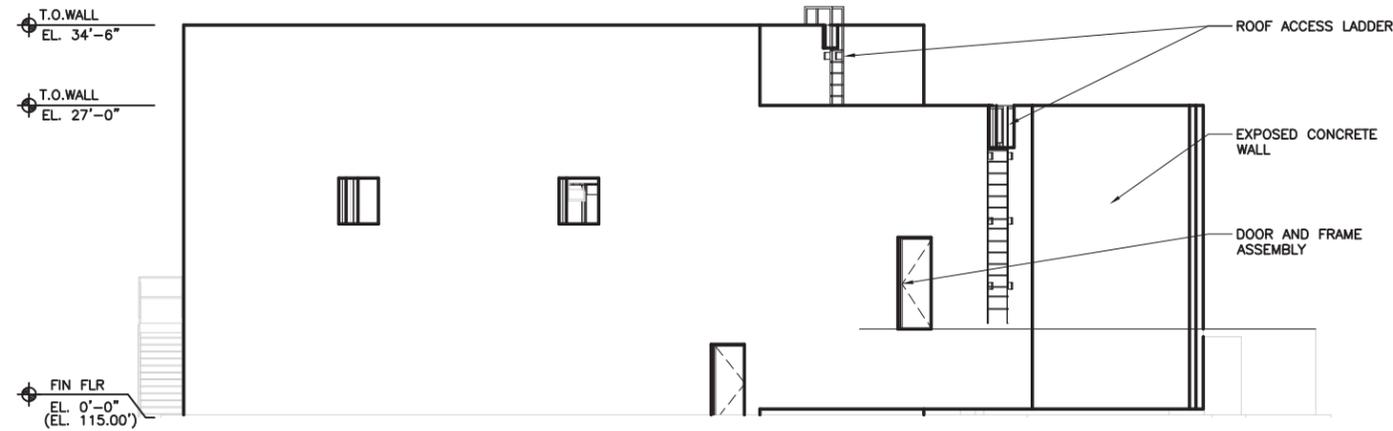
**CONDITIONAL USE
 SUBMITTAL**

DESIGNED/DRAWN: HANS PAPKE	QA/QC: ED GALINDO
PROJECT ENGINEER:	SCALE: AS NOTED
DESIGN APPROVAL:	ONE INCH (REFERENCE)
PROJECT ACCEPTANCE: D. STARK	CONTRACT NO: T300516

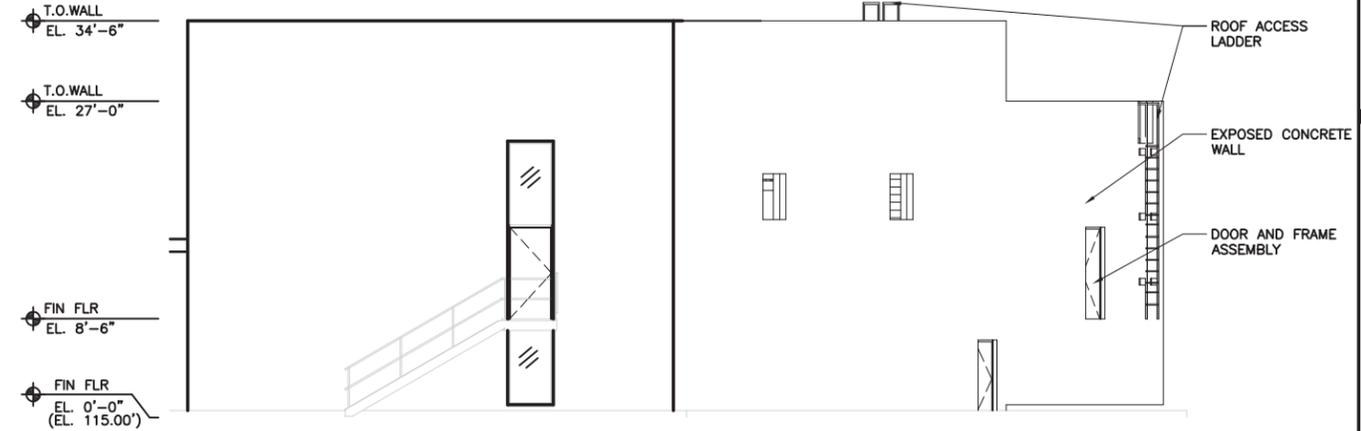


DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
**SCREENINGS HANDLING
 ROOF PLAN**

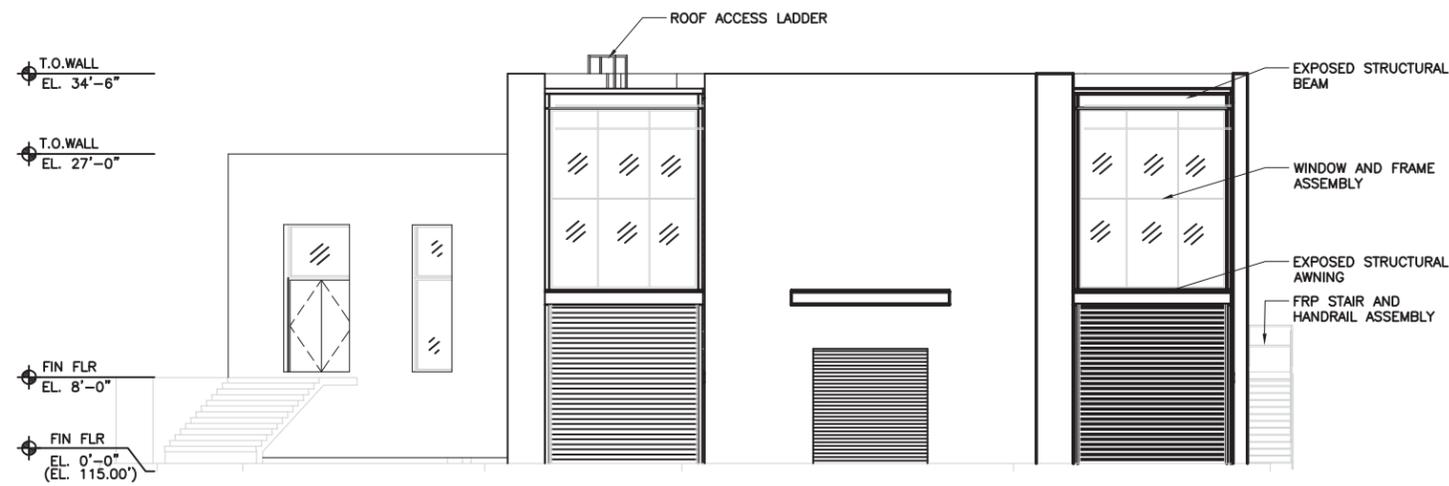
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PROJECT FILE NO: 423621/ 002	DRAWING NO: A1603
SHEET NO: -	OF #



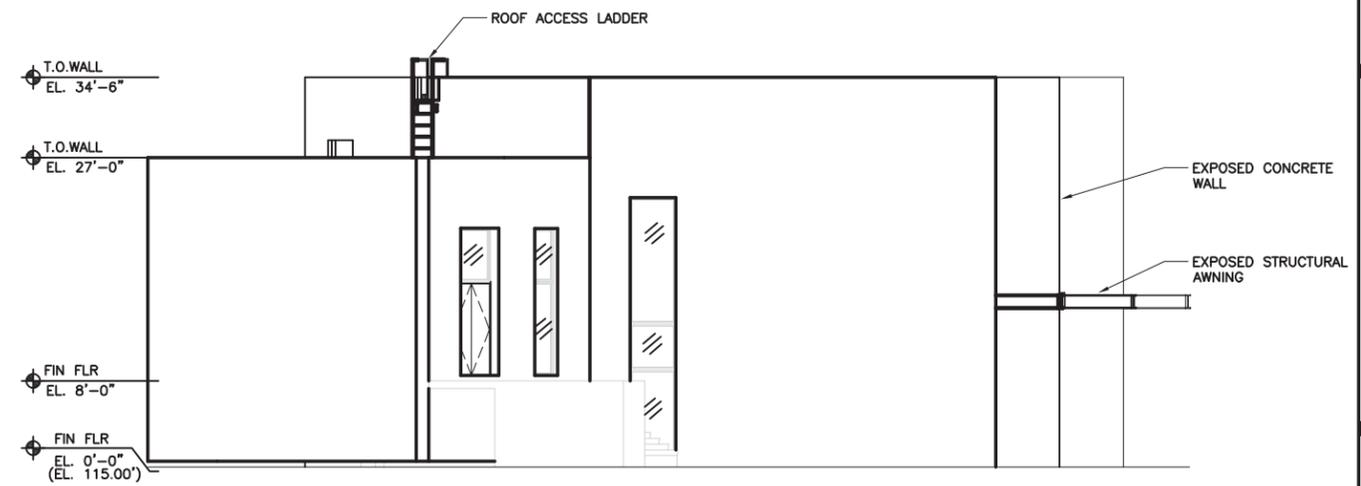
NORTH
ELEVATION
1/8" = 1'-0"



EAST
ELEVATION
1/8" = 1'-0"



SOUTH
ELEVATION
1/8" = 1'-0"



WEST
ELEVATION
1/8" = 1'-0"

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 PLOTTED: Oct 13, 2011 10:06:51am By PPK/EHP
 XREFS: Project-KCWT-2010-D-TB.dwg; 716-621-002-strmodel1.dwg; 716-621-002-arcmodel.dwg
 IMAGES:

No.	REVISION	BY	APP'D	DATE

CDM
 Camp Dresser & McKee
 1218 3rd Ave., Suite 1100
 Seattle, WA 98101
 Phone: 206-336-4900
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**CONDITIONAL USE
SUBMITTAL**

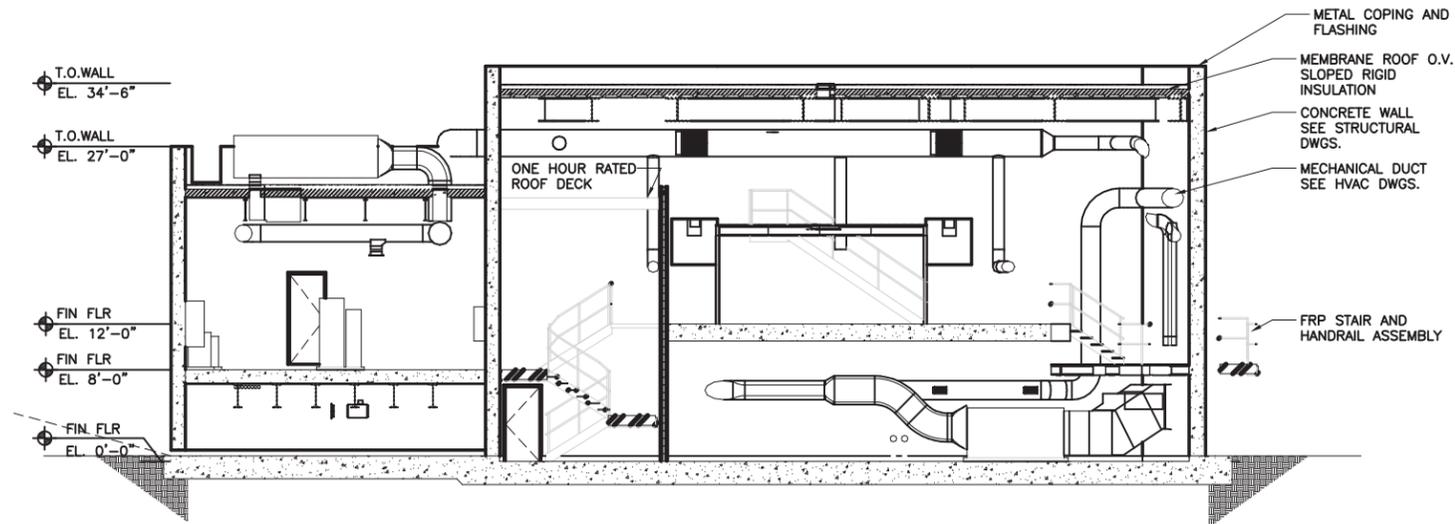
DESIGNED/DRAWN: HANS PAPKE	QA/QC: ED GALINDO
PROJECT ENGINEER:	SCALE: AS NOTED
DESIGN APPROVAL:	ONE INCH (REFERENCE)
PROJECT ACCEPTANCE: D. STARK	CONTRACT NO: T300516



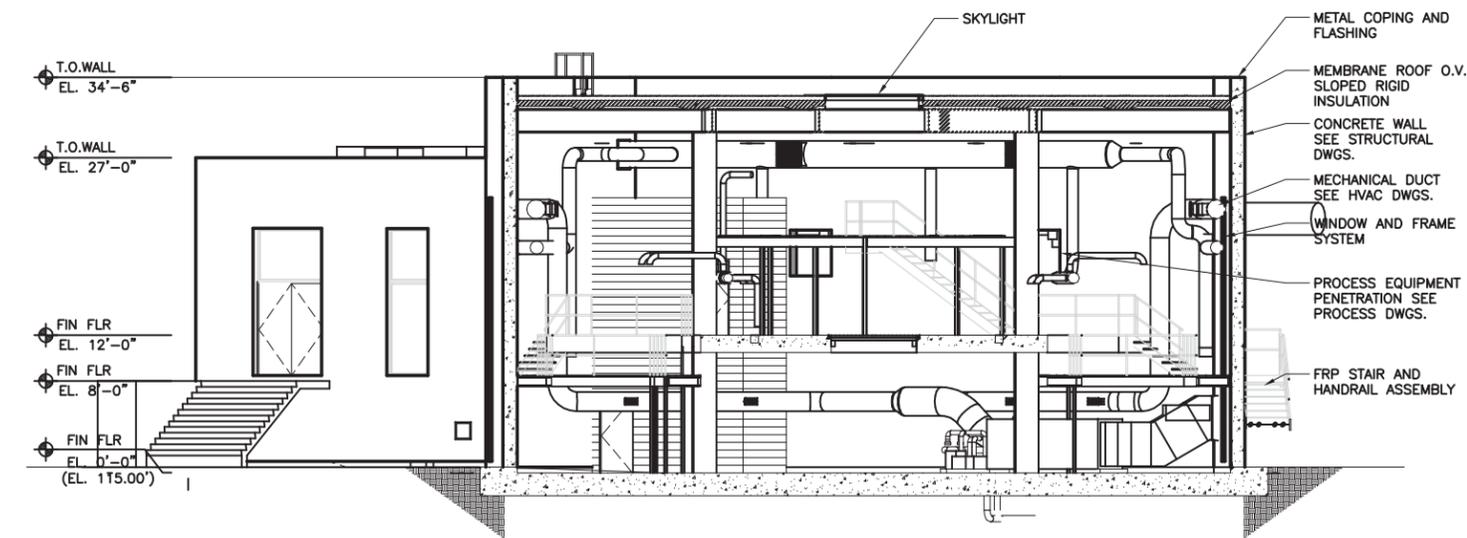
DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
**SCREENINGS HANDLING
 EXTERIOR ELEVATIONS**

DCN:	DATE:
PROJECT FILE NO: 423621/ 002	DRAWING NO: A1604
SHEET NO: -	OF #

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 IMAGES:



BUILDING SECTION
SECTION 1
 1/8" = 1'-0" A1601/1602



BUILDING SECTION
SECTION 2
 1/8" = 1'-0" 1601/1602

No.	REVISION	BY	APP'D	DATE

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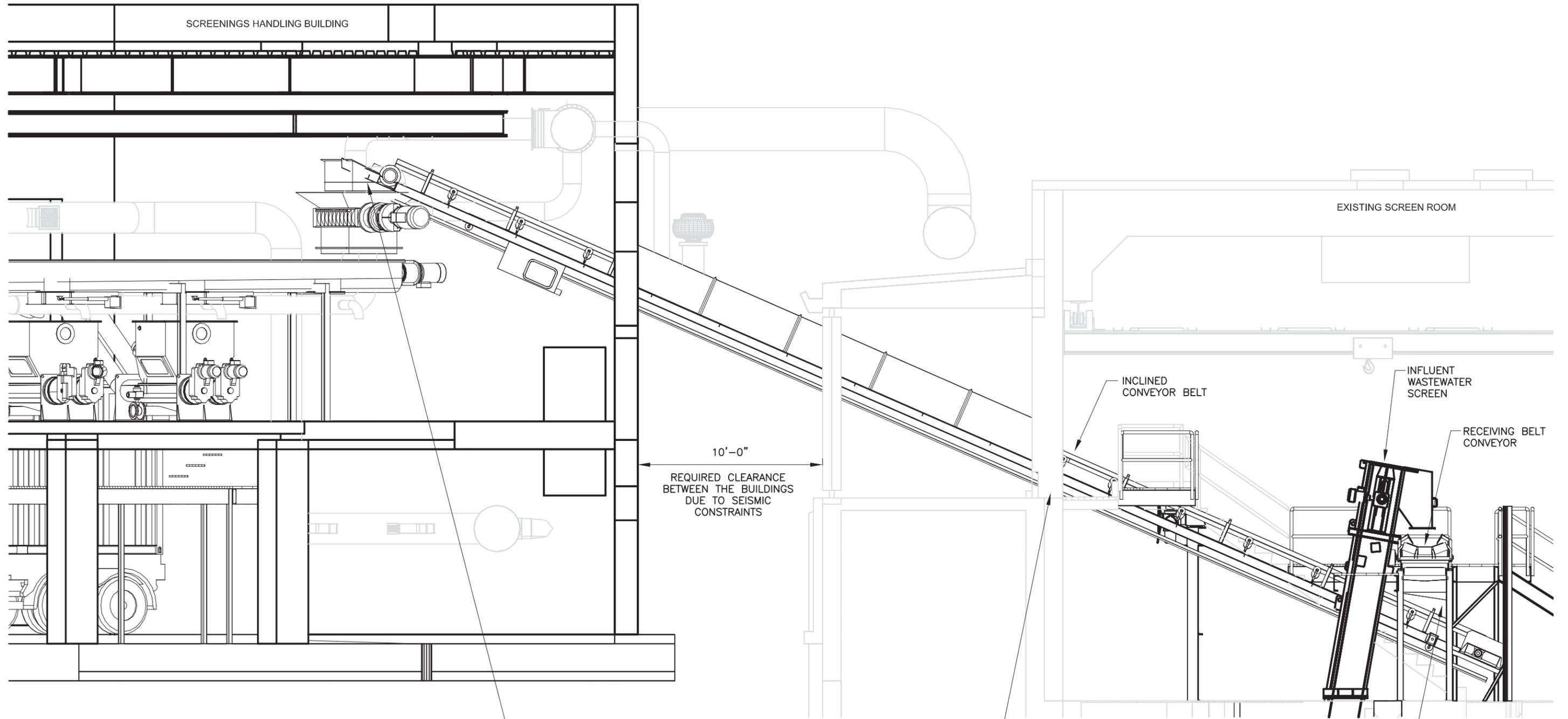
**CONDITIONAL USE
 SUBMITTAL**

DESIGNED/DRAWN: HANS PAPKE
 PROJECT ENGINEER: HANS PAPKE
 DESIGN APPROVAL: D. STARK
 PROJECT ACCEPTANCE: D. STARK
 QA/QC: ED GALINDO
 SCALE: AS NOTED
 CONTRACT NO: T300516



DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 WEST POINT WASTEWATER TREATMENT PLANT
 INFLUENT SCREENINGS IMPROVEMENT PROJECT
**SCREENINGS HANDLING
 BUILDING SECTIONS**

DCN:
DATE:
PROJECT FILE NO: 423621/ 002
DRAWING NO: A1605
SHEET NO: OF - #



ELEVATION OF THE TOP OF THE INCLINED CONVEYOR BELT IS DICTATED BOTH BY THE ANGLE AND DISTANCE FROM THE EXISTING BUILDING, AND THE REQUIRED HEIGHT TO BE ABLE TO DISCHARGE INTO THE SCREENINGS CONTAINERS.

INCLINED BELT CONVEYOR MUST THEN PASS OVER THE ABANDONED PRIMARY EFFLUENT CONDUIT. THIS POINT AND THE LOWER POINT DEFINE THE ANGLE OF THE INCLINED BELT CONVEYOR.

ELEVATION OF LOWER END OF INCLINED BELT CONVEYOR IS DICTATED BY THE FLOOR AND SCREEN DISCHARGE ELEVATIONS

ELEVATION
NTS