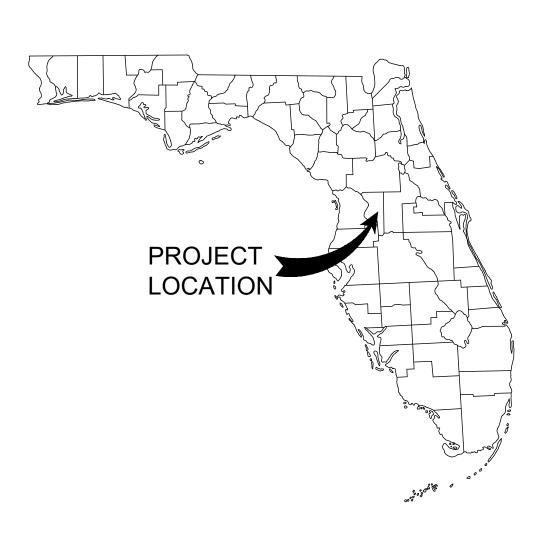


UTILITY PLANS FOR WILDWOOD WWTF HEADWORKS REHAB



CITY OF WILDWOOD, FLORIDA

SECTION 7 TOWNSHIP 19 SOUTH, RANGE 23 EAST

SEPTEMBER 2022

GENERAL NOTES

THE EXISTING STORMWATER DRAINAGE SYSTEM SHALL REMAIN

PROJECT OWNER AND CONSULTANTS

OWNER: CITY OF WILDWOOD JASON MCHUGH, CITY MANAGER 100 N. MAIN STREET WILDWOOD, FL 34785 PHONE: (352) 330-1330

CIVIL ENGINEERING CONSULTANT: KIMLEY-HORN AND ASSOCIATES, INC. 101 E SILVER SPRINGS BLVD., SUITE 400 OCALA, FLORIDA 34470 (352) 438 - 3000

GREG SCHMID ALAN KIMBLEY (352) 569-9644 (352) 401-6555

DUKE ENERGY - DISTRIBUTION ROBB BROWN CHRIS URIA

(352) 459-4671

DUKE ENERGY - TRANSMISSION FRANCIS CASTRO (813) 909-1210

SUMTER ELECTRIC COOPERATIVE

TECO PEOPLES GAS - OCALA

VERIZON FLORIDA

BID SET NOT FOR CONSTRUCTION

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REHAB WILDWOOD V

SHEET NUMBER 01

IT'S THE LAW! Know what's **below. DIAL 811**

BEFORE YOU DIG

JNSHINE STATE ONE CALL OF FLORIDA, INC.

UTILITY CONTACT LISTING CENTURY LINK

(352) 401-3428

CHUCK CZUMAK (941) 906 - 6703

-PROJECT

LOCATION

LOCATION MAP

GENERAL NOTES AND SPECIFICATIONS:

- 1. THESE NOTES ARE NOT INTENDED TO REPLACE THE PROJECT SPECIFICATIONS OR CONSTRUCTION DRAWING NOTES & DETAILS. IN CASE OF CONFLICT BETWEEN THE REQUIREMENTS OF THE SPECIFICATIONS/CONSTRUCTION DRAWINGS AND THESE NOTES, THE MORE STRINGENT REQUIREMENT SHALL
- 2. THE GOVERNING CODE FOR THIS PROJECT IS THE FLORIDA BUILDING CODE, SEVENTH EDITION (2020)
- 3. THE CONTRACT DOCUMENTS HAVE MADE NO INTENT TO GIVE SPECIFIC INSTRUCTIONS CONCERNING THE MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND ASSIGNMENT OF WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SUPERVISING AND DIRECTING THE WORK.
- 4. TO THE BEST OF OUR KNOWLEDGE, THESE DRAWINGS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE GOVERNING BUILDING CODE
- 5. CONSTRUCTION SHALL COMPLY WITH REQUIREMENTS OF THE GOVERNING BUILDING CODE AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.
- 6. CONTRACTOR SHALL VISIT PROJECT SITE AND BE FAMILAR WITH THE PROPOSED WORK. TAKE FIELD MEASUREMENTS AND VERIFY ALL FIELD CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- 7. CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS, DIMENSIONS AND SITE CONDITIONS AND COORDINATE WITH FIELD DIMENSIONS AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING ANY WORK. REPORT ANY DISCREPANCIES VERBALLY AND IN WRITING IMMEDIATELY TO ENGINEER PRIOR TO PROCEEDING WITH WORK. WORK SHALL NOT COMMENCE UNTIL THE DISCREPANCIES ARE RESOLVED. DO NOT CHANGE SIZE OR DIMENSIONS OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE PROJECT ENGINEER OF RECORD. DISCREPANCIES, OMISSIONS OR VARIATIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS DISCOVERED DURING AND AFTER THE BIDDING PERIOD SHALL BE IMMEDIATELY COMMUNICATED IN WRITING TO THE ENGINEER.
- 8. CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM DAMAGE AND SHALL PROTECT HIS WORK, ADJACENT PROPERTY AND THE PUBLIC. CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY, CONSTRUCTION PROCEDURES AND DAMAGE OR INJURY DUE TO HIS ACT OR NEGLECT.
- 9. CONTRACTOR SHALL SUITABLY DOCUMENT EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF THE WORK, AND SHALL RESTORE ALL DAMAGED OR DISTURBED AREAS TO MEET OR EXCEED ORIGINAL SITE CONDITIONS TO THE OWNER'S SATISFACTION.
- 10. SCALING OF DRAWINGS SHALL NOT BE USED TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE ENGINEER FOR INSTRUCTION FOR ANY DIMENSION NOT GIVEN ON DRAWINGS.
- 11. DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE RESOLVED BY THE ENGINEER.
- 12. CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM ADVANCE NOTICE FOR ALL REQUIRED FIELD REVIEWS.
- 13. CONTRACTOR SHALL COORDINATE WITH OWNER ALL ITEMS TO BE CONTRACTED, SUPPLIED OR INSTALLED BY OTHERS.
- 14. CONTRACTOR IS RESPONSIBLE FOR ALL BUILDING, PERMIT, REVIEW, LICENSE AND DEVELOPMENT FEES REQUIRED TO COMPLETE THE PROJECT.
- 15. CONTRACTOR SHALL ASSEMBLE AND INSTALL MATERIALS AND PRODUCTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND WITH INDUSTRY/ASSOCIATION STANDARDS. MATERIALS OR WORK DESCRIBED IN WORDS WHICH HAVE A WELL-KNOWN TECHNICAL TRADE MEANING SHALL BE HELD TO REFER TO THE RECOGNIZED STANDARD. ALL MATERIALS SHALL BE NEW, U.O.N.
- 16. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK, HOWEVER, NO CHANGES THAT ALTER THE CHARACTER INTENT OF THE DESIGN WILL BE MADE WITHOUT A CHANGE ORDER.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.
- 18. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

DOCUMENTS AND LIMITATIONS

- 1. THE DRAWINGS, CALCULATIONS, AND REPRODUCTIONS RELATING TO THE STRUCTURAL PART OF THE PROJECT ARE INSTRUMENTS OF SERVICE TO BE USED FOR THIS PROJECT ONLY.
- 2. IT IS UNDERSTOOD THAT THE ENGINEER MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO THE FINDINGS, DESIGNS, RECOMMENDATIONS, SPECIFICATIONS, OR PROFESSIONAL ADVICE EXCEPT THAT THESE INSTRUMENTS OF SERVICE HAVE BEEN PREPARED IN ACCORDANCE WITH CURRENT GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRACTICES.

SHOP DRAWINGS AND OTHER SUBMITTALS

- 1. REVIEW OF SUBMITTALS IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AS PRESENTED BY THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE. ONLY THOSE SUBMITTALS REQUIRED TO BE SUBMITTED WILL BE REVIEWED. ALL OTHERS WILL BE RETURNED WITHOUT REVIEW.
- 2. ALL SUBMITTALS SHALL BE ACCOMPANIED BY A LETTER OF TRANSMITTAL. CONTRACTOR'S SUBMITTAL NUMBER SHALL BE INDICATED ON TRANSMITTAL. DO NOT COMBINE DIFFERENT SUBMITTALS ON THE SAME TRANSMITTAL. SUBMIT SHOP DRAWINGS IN A TIMELY MANNER, CONSISTENT WITH THE ABOVE, AND PRIOR TO FABRICATION, INSTALLATION OR COMMENCEMENT OF THE WORK. ALLOW UP TO 10 WORKING DAYS FOR ENGINEER TO REVIEW AND RETURN SHOP DRAWINGS. NUMBER OF COPIES OF EACH SUBMITTED SHOP DRAWING SHALL BE SUFFICIENT FOR OWNER TO RETAIN 2 COPIES.
- 3. ALL SUBMITTALS MUST BEAR EVIDENCE OF CONTRACTOR'S REVIEW (INCLUDING COMPANY STAMP AND DATED SIGNATURE OF REVIEWER) AND MUST BE APPROVED OR APPROVED AS NOTED BY HIM PRIOR TO SUBMITTING.
- 4. ALL CHANGES AND ADDITIONS MADE ON RESUBMITTALS MUST BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RESUBMITTALS MUST BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. REVIEW WILL BE LIMITED TO THOSE ITEMS CAUSING THE RESUBMITTAL.
- 5. DO NOT REPRODUCE THE STRUCTURAL DRAWINGS FOR USE AS ERECTION, PLACING OR FABRICATION DRAWINGS.
- 6. SUBMITTALS NOT MEETING THE ABOVE CRITERIA OR SUBMITTED AFTER FABRICATION WILL NOT BE REVIEWED.

7. SUBMITTALS:

- AS A MINIMUM, THE FOLLOWING SHALL BE SUBMITTED, AS APPLICABLE, FOR REVIEW AND COMPLIANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS PRIOR TO FABRICATION, INSTALLATION, OR COMMENCEMENT OF THE WORK:
- A. CONCRETE, MORTAR AND GROUT MIX DESIGNS, INCLUDING ADMIXTURE DATA SHEETS.
- B. BILL OF REINFORCING AND LAYOUT.
- C. MISCELLANEOUS METAL FABRICATIONS
 D. REPAIR MORTAR AND COATINGS
- 8. WELDER CERTIFICATIONS FOR ALL WELDERS SHALL BE SUBMITTED. CERTIFICATIONS MUST HAVE BEEN ISSUED WITHIN 3 YEARS PRIOR TO PERFORMING WORK ON THE PROJECT.
- PROBLEM SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW. SUBMIT 3 COPIES OF ALL PRODUCT DATA AND CUT SHEETS AS NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT REQUIREMENTS. CONTRACTOR SHALL BEAR THE BURDEN OF OBTAINING AUTHORIZATION FOR USE OF ITEMS TO BE SUBSTITUTED. ENGINEER'S DECISION REGARDING SUBSTITUTION SHALL BE FINAL.

REINFORCED CONCRETE

- 1. ALL CONCRETE MATERIALS, PLACING AND HANDLING SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE PUBLICATIONS ACI 301 AND ACI 318. LATEST EDITION.
- 2. CURING OF CONCRETE SHALL BE IN STRICT ACCORDANCE WITH ACI 301 PROVISIONS, LATEST EDITION.
- 3. ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 5000 PSI.
- 4. USE NORMAL WEIGHT CONCRETE FOR ALL STRUCTURAL MEMBERS. DO NOT USE CALCIUM CHLORIDE IN ANY CONCRETE. ALL STRUCTURAL CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.40.
- 5. PROVIDE A 4 INCH SLUMP WITH A TOLERANCE OF +/- 1 INCH
- 6. IF CONCRETE IS PUMPED, SLUMP MAY BE INCREASED TO 6 INCHES AT THE TRUCK, PROVIDED THE SLUMP SPECIFIED ABOVE IS MAINTAINED AT THE DISCHARGE END. USE A MINIMUM 4 INCH PUMP. TAKE CONCRETE SAMPLES FOR SLUMP AT TRUCK AND AT DISCHARGE END, AND FOR CYLINDER TESTING AT DISCHARGE END.
- 7. WATER SHALL NOT BE ADDED TO CONCRETE AT THE JOBSITE UNLESS SPECIFIC AUTHORIZATION IS INDICATED ON THE DELIVERY TICKET. NOTIFY ENGINEER OF TOTAL QUANTITY OF WATER ADDED TO ANY TRUCK. REPEAT NECESSARY TESTING IF WATER IS ADDED AFTER INITIAL SAMPLING.
- 8. COARSE AGGREGATE SHALL CONFORM TO ASTM C33. PEAROCK AGGREGATE SHALL NOT BE USED.
- 9. ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL FORMS SHALL BE FREE OF STANDING WATER.
- 10. ALL CONCRETE SHALL BE VIBRATED IN PLACE IN ACCORDANCE WITH ACI RECOMMENDED PRACTICES. NO PLACING OF CONCRETE WILL BE COMMENCED UNLESS THERE ARE TWO OPERABLE CONCRETE VIBRATORS ON THE JOB SITE.
- 11. CONCRETE COVER OVER REINFORCING STEEL SHALL BE 3 IN UNLESS OTHERWISE NOTED.
- 12. PROVIDE 3/4 INCH CHAMFERS ON ALL EXPOSED EDGES ADJACENT TO EXPANSION JOINTS, EXCEPT AS OTHERWISE NOTED.
- 13. FORM TIES AND REINFORCING BAR SUPPORTS SHALL BE OF NON-CORROSIVE MATERIAL INCLUDING, BUT NOT LIMITED TO, FIBERGLASS, PLASTIC, AND CONCRETE BLOCK. BAR SUPPORTS PLACED ATOP VAPOR BARRIERS SHALL BE CONCRETE BLOCK.

14. ANY TIES, STRAPS OR OTHER METALLIC FORMWORK ITEMS SHALL BE REMOVED TO A DEPTH OF 1-1/2 INCHES MINIMUM BELOW FINISHED CONCRETE SURFACE. CONCRETE SHALL BE REPAIRED IN ACCORDANCE WITH ACI 301.

15. CONCRETE FINISHES:

- A. FORMED SURFACES SHALL RECEIVE A SMOOTH-FORM FINISH IN ACCORDANCE WITH ACI 301. OFFSET BETWEEN ADJACENT PIECES OF FORMWORK FACING MATERIAL SHALL NOT EXCEED "CLASS A" TOLERANCE REQUIREMENTS OF ACI 117 (i.e. 1/8 INCH MAX. OFFSET).
- B. SLAB SURFACES SHALL RÉCEIVÉ A TROWELED FINISH IN ACCORDANCE WITH ACI 301. FINISH TOLERANCES SHALL BE IN ACCORDANCE WITH "VERY FLAT" CLASSIFICATION REQUIREMENTS OF ACI 117 (i.e. 1/8 INCH MAX. IN 10 FEET).
- C. WHERE A NONSLIP FINISH IS REQUIRED, GIVE THE SURFACE A BROOM FINISH OR DRY—SHAKE APPLICATION OF FINELY CRUSHED ABRASIVE PARTICLES.
- 16. COORDINATE SIZE, TYPE AND LOCATION OF ALL PENETRATIONS, CONDUIT, CHAMFERS AND EMBEDDED ITEMS PRIOR TO CONCRETE PLACEMENT.
- 17. DO NOT IMPOSE SERVICE LOADS ON CONCRETE ELEMENTS UNTIL THE CONCRETE HAS REACHED ITS SPECIFIED MINIMUM COMPRESSIVE STRENGTH.
- 18. ALL GROUT SHALL BE NON-SHRINK, NON-METALLIC.
- 19. ALL CONCRETE SHALL INCLUDE CORROSION INHIBITING ADMIXTURE DCI-S BY WR GRACE (4.0 GAL/CY) OR APPROVED EQUIVALENT.

REINFORCING STEEL

- 1. REINFORCING STEEL SHALL BE OF DOMESTIC MANUFACTURE AND IN ACCORDANCE WITH ASTM A615 WITH SUPPLEMENT, GRADE 60.
- CURRENT CRSI MANUAL OF STANDARD PRACTICE.

2. TOLERANCES FOR REINFORCING BAR FABRICATION SHALL CONFORM TO THE

- 3. ALL REINFORCING STEEL SHALL BE UNCOATED (BLACK) DEFORMED BARS AND SHALL BE FREE FROM LOOSE RUST, SCALE OR OTHER COATINGS.
- 4. ALL REINFORCING STEEL SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE WITH BAR SUPPORTS AND SPACERS. VERIFY THAT PLACEMENT OF REINFORCING STEEL WILL NOT CONFLICT WITH SUBSEQUENT INSTALLATION OF ANCHOR BOLTS, FASTENERS OR FIELD—DRILLED COMPONENTS.
- 5. UNLESS OTHERWISE NOTED, LAP BOTTOM STEEL OVER STRUCTURAL SUPPORTS AND TOP STEEL AT MIDSPAN.
- 6. ALL LAP LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318, ACI 530 AND CRSI STANDARD PRACTICES, U.O.N.
- 7. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS U.O.N.
- 8. ACI STANDARD HOOKS SHALL BE USED AS A MINIMUM, U.O.N.
- 9. ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING BARS ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
- 10. SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATING REINFORCING STEEL. DO NOT REPRODUCE THE STRUCTURAL DRAWINGS FOR USE AS PLACING DRAWINGS OR SHOP DRAWINGS.

CLEAN UP

- 1. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY HIS EMPLOYEES.
- 2. CONTRACTOR SHALL VISUALLY INSPECT INTERIOR AND EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES, STAINS, SPLASHED MATERIAL, PAINT DROPPINGS AND OTHER FOREIGN MATTER PRIOR TO COMPLETION OF THE WORK.

BID ITEMS

- 1. PAYMENT FOR ALL INCIDENTALS IS TO BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
- 2. COST FOR REMOVAL AND DISPOSAL OF VARIOUS MATERIALS, WHERE REQUIRED, SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.

ABBREVIATIONS

A.F.F. ABOVE FINISH FLOOR
C.J. CONTROL JOINT
CLR. CLEAR
CONT. CONTINUOUS
EA. EACH

E.F. EACH FACE E.J. EXPANSION JOINT

EL. ELEVATION
E.W. EACH WAY
MAX. MAXIMUM

MINIMUM

O.C. ON CENTER
PL PLATE
STD. STANDARD

MIN.

TYP. TYPICAL U.O.N. UNLESS OTHERWISE NOTED

W.P. WORK POINT

DESIGN CRITERIA

FLORIDA BUILDING CODE, SEVENTH EDITION (2020)
ACI 318-14
ASCE 7-16

DESIGN LOADING

PEDESTRIAN SURCHARGE 125 PSF

No. REVISIONS DATE

© 2022 KIMLEY-HORN AND ASSOCIATES, IN 101 EAST SILVER SPRINGS BLVD, SUITE 400, OCALA, F PHONE: 352-438-3000

NWN

CHA

FLORIDA LICENSE NUMBE

54640

DATE
SEPTEMBER 2022
SCALE AS SHOWN
DESIGNED BY KHA
DRAWN BY PHS

ENERAL NOTE

VILDWOOD WWTF

EADWORKS REHAI

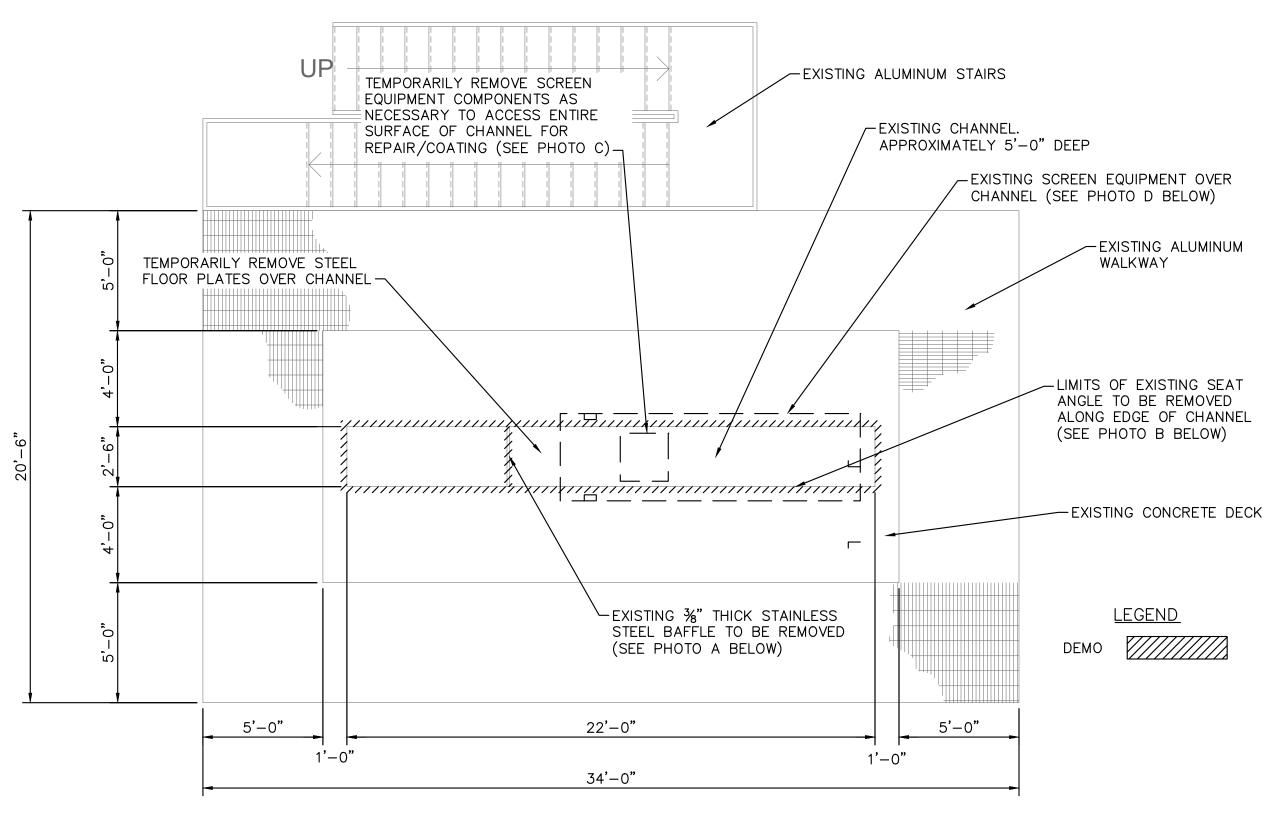
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SITY OF WILDWOOD

SHEET NUMBER

GENERAL NOTES:

- 1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES.
- 2. CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF DEMOLISHED MATERIAL. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- 3. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING EQUIPMENT, UTILITIES, STRUCTURES, AND PERSONNEL FROM DAMAGE OR INJURY DURING CONSTRUCTION.
- 4. CONSTRUCTION SEQUENCE SHALL BE COORDINATED TO AVOID OR MINIMIZE ANY TREATMENT PROCESS INTERRUPTION.
- 5. CONTRACTOR SHALL IDENTIFY LOCATIONS FOR REBAR REPAIR AS WORK PROGRESSES. LOCATIONS TO RECEIVE THIS REPAIR SHALL BE VERIFIED BY THE PROJECT ENGINEER.



EXISTING HEADWORKS PLAN/ DEMOLITION PLAN SCALE: 3'' = 1'-0''



LOCATION PLAN



PHOTO A: STAINLESS STEEL BAFFLE TO BE REMOVED



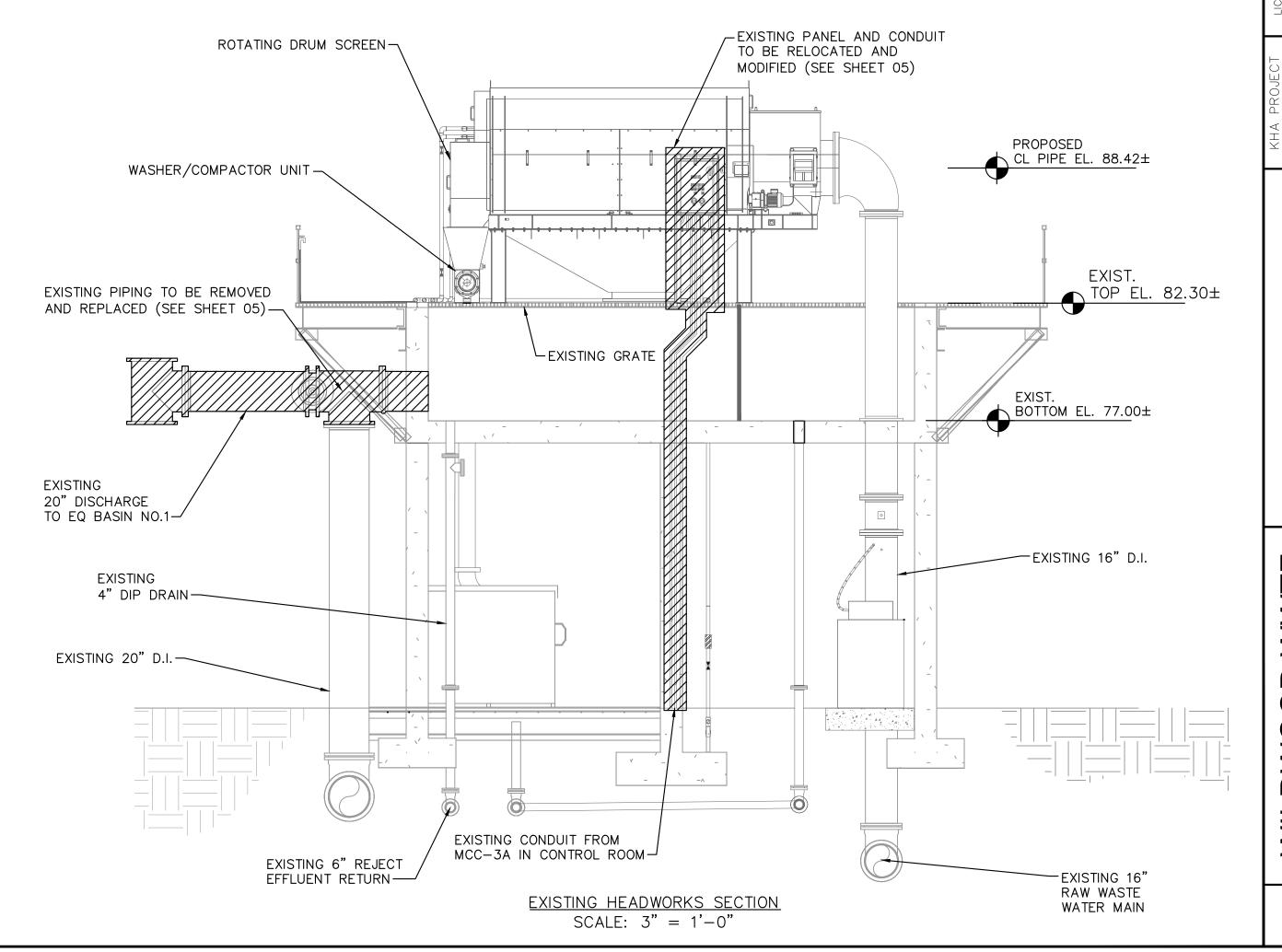
PHOTO B: EXISTING SEAT ANGLE TO BE REMOVED



PHOTO C: SCREEN EQUIPMENT COMPONENTS TO BE REMOVED



PHOTO D: EXISTING SCREEN EQUIPMENT



SHEET NUMBER 03

3 HEADWORKS DEMOLITION PLAN

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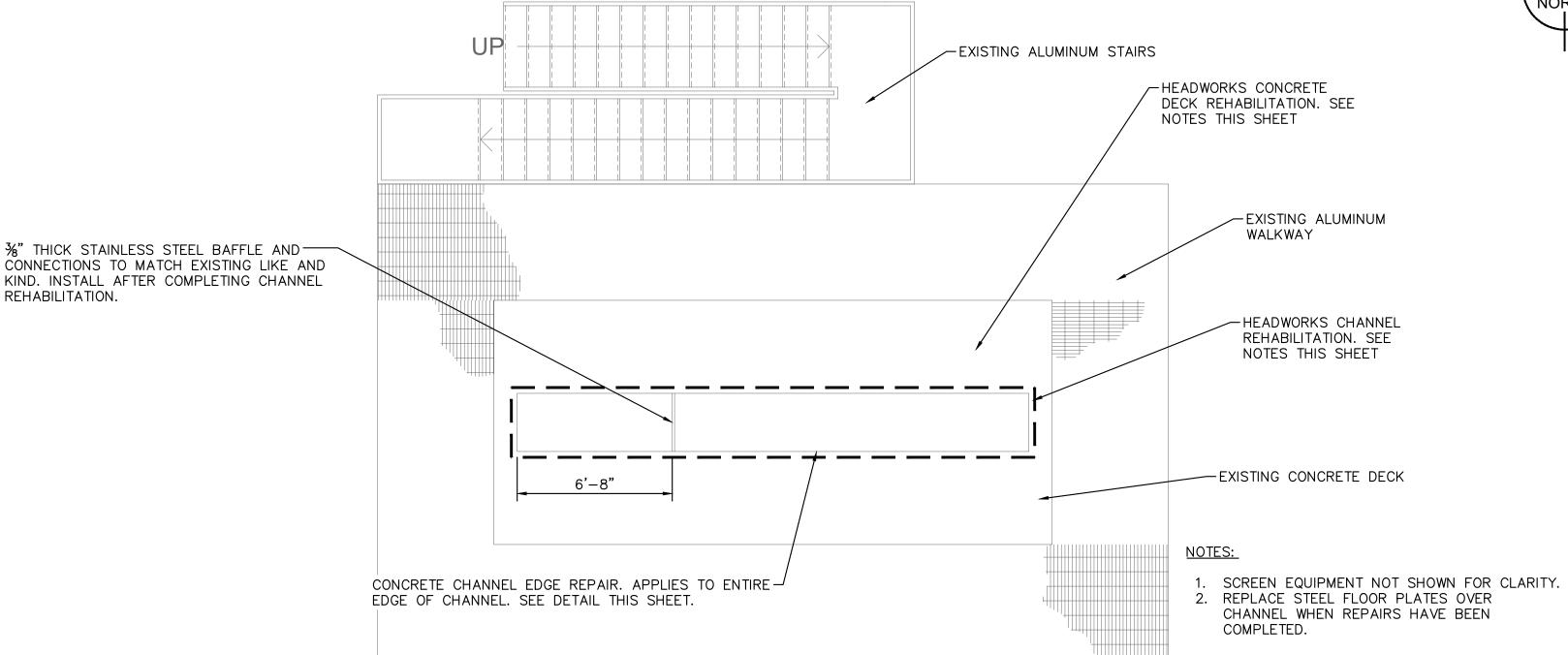
REHAB

PARED FOR WILDWOOD

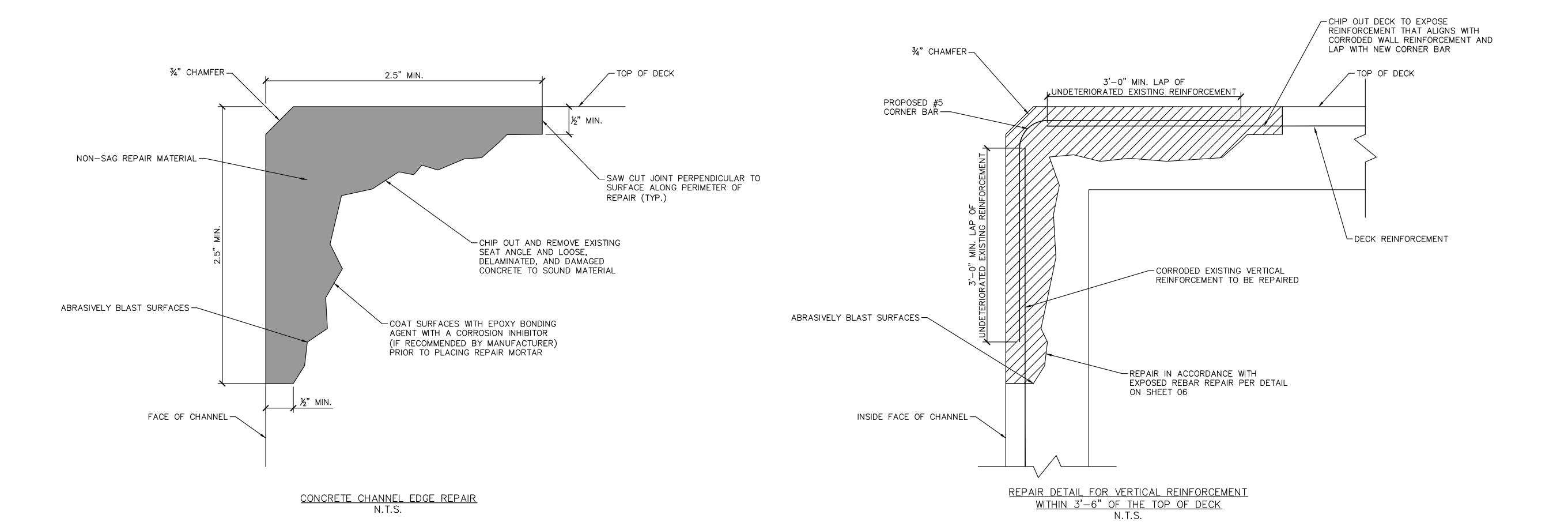
- 1. ABRASIVELY BLAST CLEAN EXPOSED HORIZONTAL AND VERTICAL SURFACES OF EXISTING CONCRETE DECK. PROTECT EXISTING EQUIPMENT AND ATTACHMENTS ON DECK FROM DAMAGE. FOR SPALLED AND SPALLING AREAS, REMOVE CRACKED AND LOOSE CONCRETE DOWN TO SOUND CONCRETE.
- 2. REPAIR DETERIORATED CONCRETE ALONG EDGES OF CHANNELS PER RECOMMENDATIONS THIS SHEET.
- 3. PREPARE SURFACE FOR REPAIR PER SPECIFICATION SECTION 03110 AND MANUFACTURER'S RECOMMENDATIONS.
- 4. APPLY SURFACE REPAIR MORTAR PER SPECIFICATION SECTION 03110 AND MANUFACTURER'S RECOMMENDATIONS. FILL IN ALL CRACKS, VOIDS, AND UNEVEN AREAS TO PRODUCE A SMOOTH, LEVEL
- 5. APPLY HIGH PERFORMANCE COATING SYSTEM PER SPECIFICATION SECTION 09300 AND MANUFACTURER'S RECOMMENDATION. BROADCAST SAND OVER THE WALKING SURFACE WHILE THE TOP COAT IS STILL WET FOR A NON-SKID APPLICATION..
- 6. APPLY CLEAR UV PROTECTION GLAZE TO THE HORIZONTAL AND VERTICAL DECK SURFACES PER SPECIFICATION SECTION 09300 AND THE MANUFACTURER'S RECOMMENDATIONS.

CHANNEL REHABILITATION

- 1. ALL EXPOSED CONCRETE SURFACES WITHIN THE CHANNEL SHALL BE ABRASIVELY BLAST OR MECHANICALLY CLEANED TO COMPLETELY REMOVE THE EXISTING CHANNEL COATING TO CLEAN, SOUND CONCRETE.
- 2. COORDINATE WITH THE PROJECT ENGINEER TO IDENTIFY AREAS FOR REPAIR WITHIN THE CHANNEL.
- 3. REMOVE REMAINING DAMAGED, DETERIORATING, OR DELAMINATED CONCRETE. CLEAN AND PREPARE SURFACE FOR REPAIR PER SPECIFICATION SECTION 03110 AND MANUFACTURER'S RECOMMENDATIONS
- 4. REPAIR CONCRETE AND EXPOSED, CORRODED REINFORCEMENT PER THE DETAILS ON SHEETS 04 AND 06, SPECIFICATION SECTION 03110 AND THE MANUFACTURER'S RECOMMENDATIONS.
- 5. APPLY HIGH PERFORMANCE COATING SYSTEM PER SPECIFICATION SECTION 09300 AND MANUFACTURER'S RECOMMENDATIONS.



HEADWORKS REPAIR PLAN SCALE: 3'' = 1'-0''



REHABILITATION.

REHAB

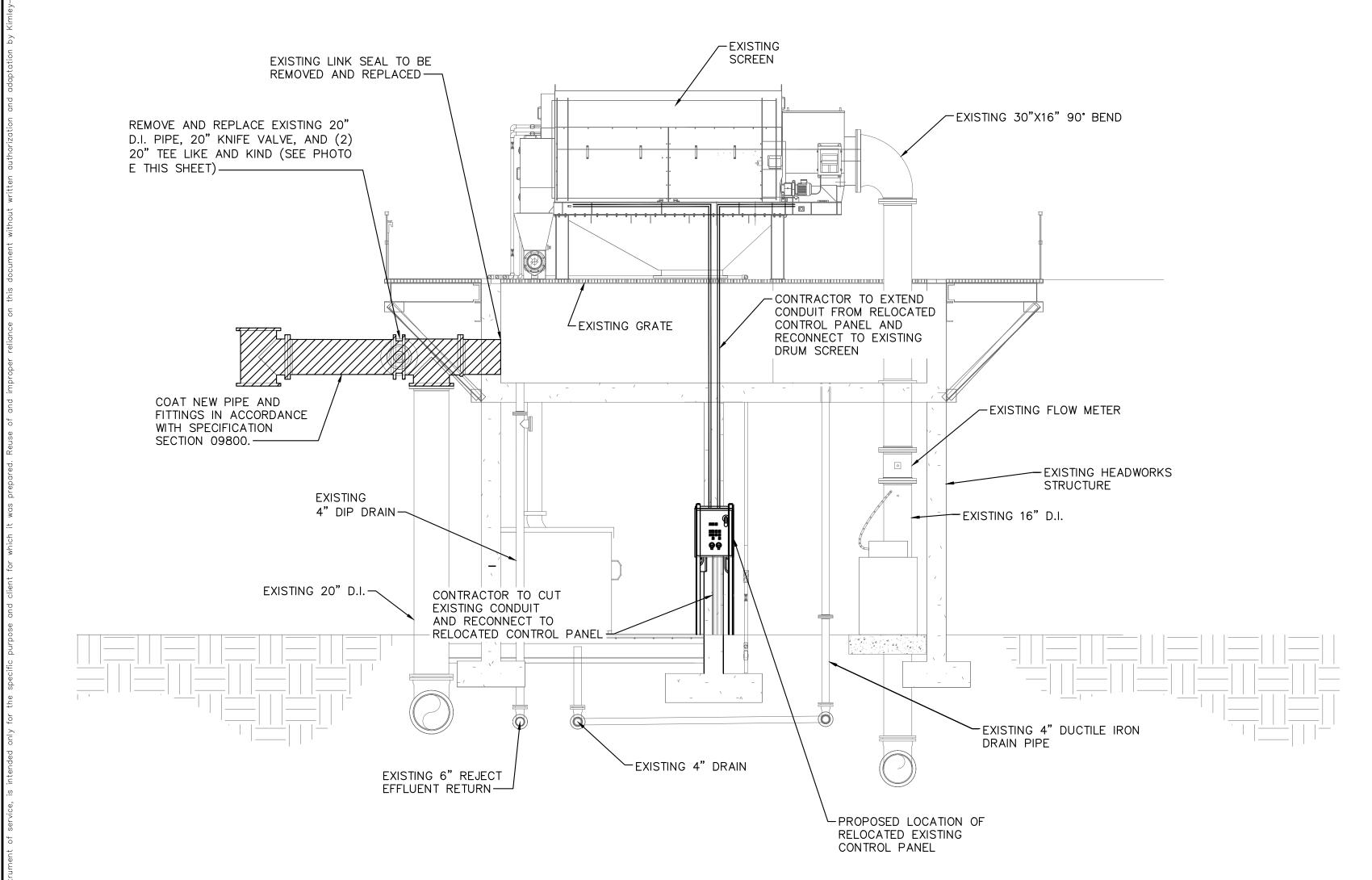
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REP, **ADWORKS**

04

- 1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION AND ORDERING EQUIPMENT. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES.
- 2. CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF DEMOLISHED MATERIAL. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- 3. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING EQUIPMENT, UTILITIES, STRUCTURES, AND PERSONNEL FROM DAMAGE OR INJURY DURING CONSTRUCTION.
- 4. CONSTRUCTION SEQUENCE SHALL BE COORDINATED TO AVOID ANY TREATMENT PROCESS INTERRUPTION.
- 5. CONTRACTOR TO FIELD VERIFY ALL PIPE SIZES AND
- 6. ALL DUCTILE IRON PIPE AND FITTINGS TO BE LINED W/ PERMOX CTF.





EXISTING HEADWORKS MECHANICAL PLAN N.T.S.

MECHANICAL REPAIR PLAN

WILDWOOD WWTF
HEADWORKS REHAB
PREPARED FOR
CITY OF WILDWOOD

SHEET NUMBER

05

