



ARCHITECTS, INC.

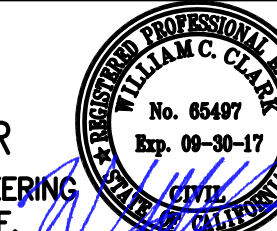
Architecture • Planning • Interiors

3211 Ronino Way  
Lafayette, California 94549  
925.949.8333 tel.  
925.949.8666 fax

PROJECT TEAM:

CIVIL ENGINEER

CLARK CIVIL ENGINEERING  
12700 HIGHWAY ONE  
POINT REYES STATION, CA 94956  
TEL (415) 295-4450  
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CCE PROJECT NO. 217006



ELECTRICAL ENGINEER

ALLIANCE ENGINEERING CONSULTING, INC.  
PATRICK HENRY DRIVE, BUILDING 10  
SANTA CLARA, CA 95054  
TEL (408) 970-9888  
FAX (408) 970-9316

D.S.A. APPROVAL:

IDENTIFICATION STAMP  
DIVISION OF THE STATE ARCHITECT

APP. # 01 - 117371

AC \_\_\_\_\_ FLS \_\_\_\_\_ SS \_\_\_\_\_

DATE \_\_\_\_\_

PROJECT TITLE:

INTERIM HOUSING &  
NEW ACCESSIBLE  
MODULAR RESTROOMS  
AT  
REDWOOD HIGH  
SCHOOL

395 DOHERTY DRIVE, LARKSPUR, CA 94939

TAMALPAIS UNION HIGH SCHOOL DISTRICT  
MAINTENANCE & OPERATIONS  
333 DOHERTY DR. LARKSPUR, CA 94939

REVISIONS:

| date    | description   |
|---------|---------------|
| 3/20/18 | DSA SUBMITTAL |
|         |               |
|         |               |
|         |               |
|         |               |
|         |               |

PHD ARCHITECTS JOB #

18-201

SCALE:

AS NOTED

DATE:

3/20/18

SHEET NAME & NUMBER:

SEWER LIFT  
STATION PLAN  
C1

GRADING NOTES:

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, LOCATE AND PROTECT ALL UNDERGROUND FACILITIES. UNDERGROUND FACILITIES DAMAGED DURING GRADING SHALL BE REPAIRED AND/OR REPLACED TO LIKE NEW CONDITION AT NO ADDITIONAL COST TO CONTRACTOR. REFER TO TOPOGRAPHIC SURVEY AND UTILITY SURVEY FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MANAGEMENT DISTRICT FOR AIRBORNE PARTICULATES.

IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT-RELATED CONSTRUCTION SHOULD CEASE WITHIN A 100-FOOT RADIUS. THE CONTRACTOR SHALL, PURSUANT TO SECTION 7050.5 OF THE HEALTH AND SAFETY CODE, AND SECTION 5097.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE CORONER IMMEDIATELY.

CONTRACTOR VERIFY EXISTING UTILITY STUB LOCATIONS AND DEPTHS PRIOR TO COMMENCING CONSTRUCTION.

FINISHED GRADES SHALL BE SLOPED TOWARD INLETS OR POSITIVE RELEASE AT 0.5% MIN. FOR CONCRETE AND 1% MIN FOR ASPHALT AREAS.

REFER TO ARCHITECTURAL AND/OR LANDSCAPE PLANS FOR ADDITIONAL INFORMATION ON FLAT WORK, PAVING TYPE AND SCORING.

REFER TO ARCHITECTURAL PLANS FOR ACCESSIBLE PATH OF TRAVEL. GRADES SHALL BE DONE PER FEDERAL AND STATE ACCESSIBILITY REQUIREMENTS. IF CONTRACTOR BECOMES AWARE OF GRADES THAT ARE NOT CONFORMING TO ACCESSIBILITY REQUIREMENTS, HE SHALL BRING THIS TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER.

CUT AND FILL SLOPES AND GRADING TRANSITIONS AT THE OUTER EDGES OF THE PROPOSED IMPROVEMENTS ARE TO BE CONSTRUCTED AT THREE HORIZONTAL TO ONE VERTICAL (3:1) UNLESS OTHERWISE NOTED.

UTILITY NOTES:

STORM DRAIN PIPING SHALL BE PVC SDR-35 OR BETTER OR DOUBLE WALLED HDPE PIPING ADS N-12 OR APPROVED EQUAL. 6" MIN U.O.N.

CONTRACTOR SHALL VERIFY BUILDING CONNECTIONS AND ELEVATION. THIS INCLUDES RAIN WATER LEADER, SEWER CONNECTION AND WATER CONNECTION. NOTIFY ENGINEER OF ANY CONFLICTS.

DIMENSIONED & PIPE LENGTHS SHOWN ARE NOT MEANT TO PROVIDE BID QUANTITIES FOR CONTRACTOR, SHOWN FOR INFORMATIONAL PURPOSES ONLY.

ALL BUILDING POINTS OF CONNECTION SHALL BE VERIFIED WITH BUILDING PLUMBING DRAWING. NOTIFY ENGINEER OF ANY CONFLICT.

CONTRACTOR SHALL VERIFY EXISTING GRADES FOR ACCURACY PRIOR TO THE STARTING OF GRADING. NOTIFY THE ENGINEER IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.

THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DISTRICT REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.

PROPOSED GRADES SHALL MEET EXISTING GRADES WITH A SMOOTH AND CONTINUOUS TRANSITION SO AS TO AVOID TRAPPING WATER. CONTRACTOR SHALL NOTIFY DISTRICT REPRESENTATIVE IF PUDDLING IS SUSPECTED AND REDIRECT WORK SO AS TO AVOID DELAY WHILE AWAITING RESPONSE.

ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT, UNLESS NOTED OTHERWISE.

COORDINATE ALL EXISTING AND PROPOSED DRAINAGE SLEEVES, AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS.

THE CONTRACTOR IS TO ENSURE THAT ALL REMAINING ACTIVE AND NEW DRAINAGE AND UTILITY LINES ARE PROTECTED AND UNDAMAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.

CONTRACTOR IS TO ENSURE THAT ALL AREAS ARE GRADED TO PROVIDE POSITIVE DRAINAGE TO IDENTIFIED EXISTING AND PROPOSED DRAIN INLETS.

AREAS OF TRENCHING SHALL BE PATCHED TO MATCH EXISTING CONDITIONS TO LIKE NEW CONDITIONS, INCLUDING BUT NOT LIMITED TO SOD, CONCRETE AND ASPHALT

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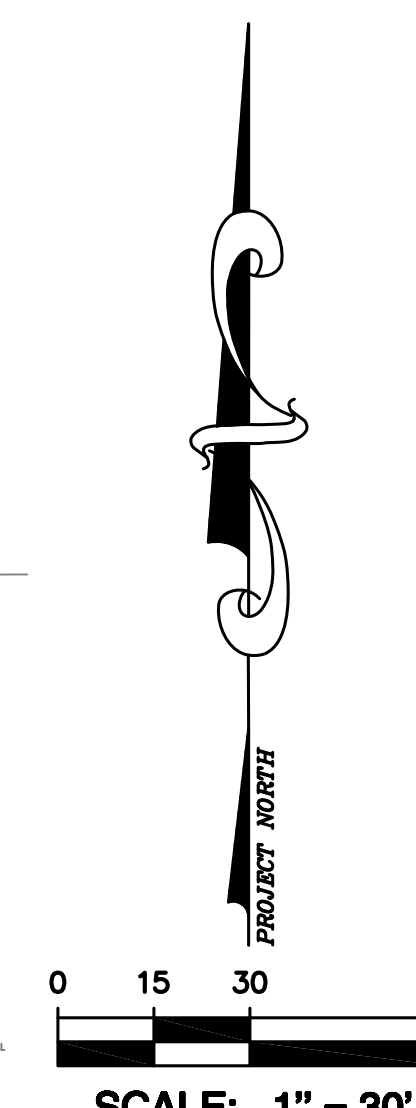
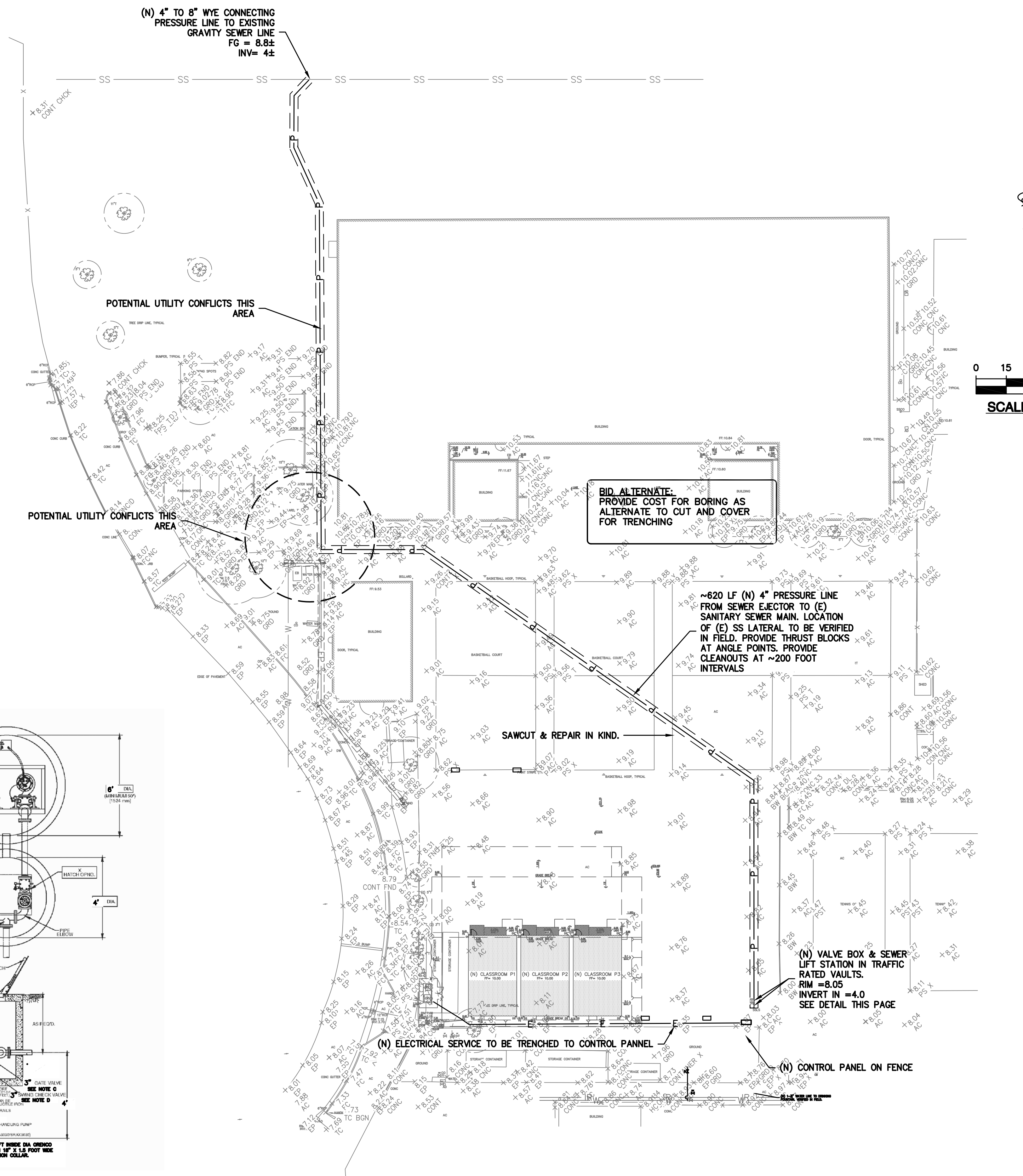
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NOTE:  
PRIOR TO BEGINNING WORK AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES TO THE CIVIL ENGINEER AND ARCHITECT.

(N) 4" TO 8" WYE CONNECTING PRESSURE LINE TO EXISTING GRAVITY SEWER LINE  
FG = 8.8±  
INV = 4±



BID ALTERNATE:  
PROVIDE COST FOR BORING AS ALTERNATE TO CUT AND COVER FOR TRENCHING

~620 LF (N) 4" PRESSURE LINE FROM SEWER EJECTOR TO (E) SANITARY SEWER MAIN. LOCATION OF (E) SS LATERAL TO BE VERIFIED IN FIELD. PROVIDE THRUST BLOCKS AT ANGLE POINTS. PROVIDE CLEANOUTS AT ~200 FOOT INTERVALS

SAWCUT & REPAIR IN KIND.

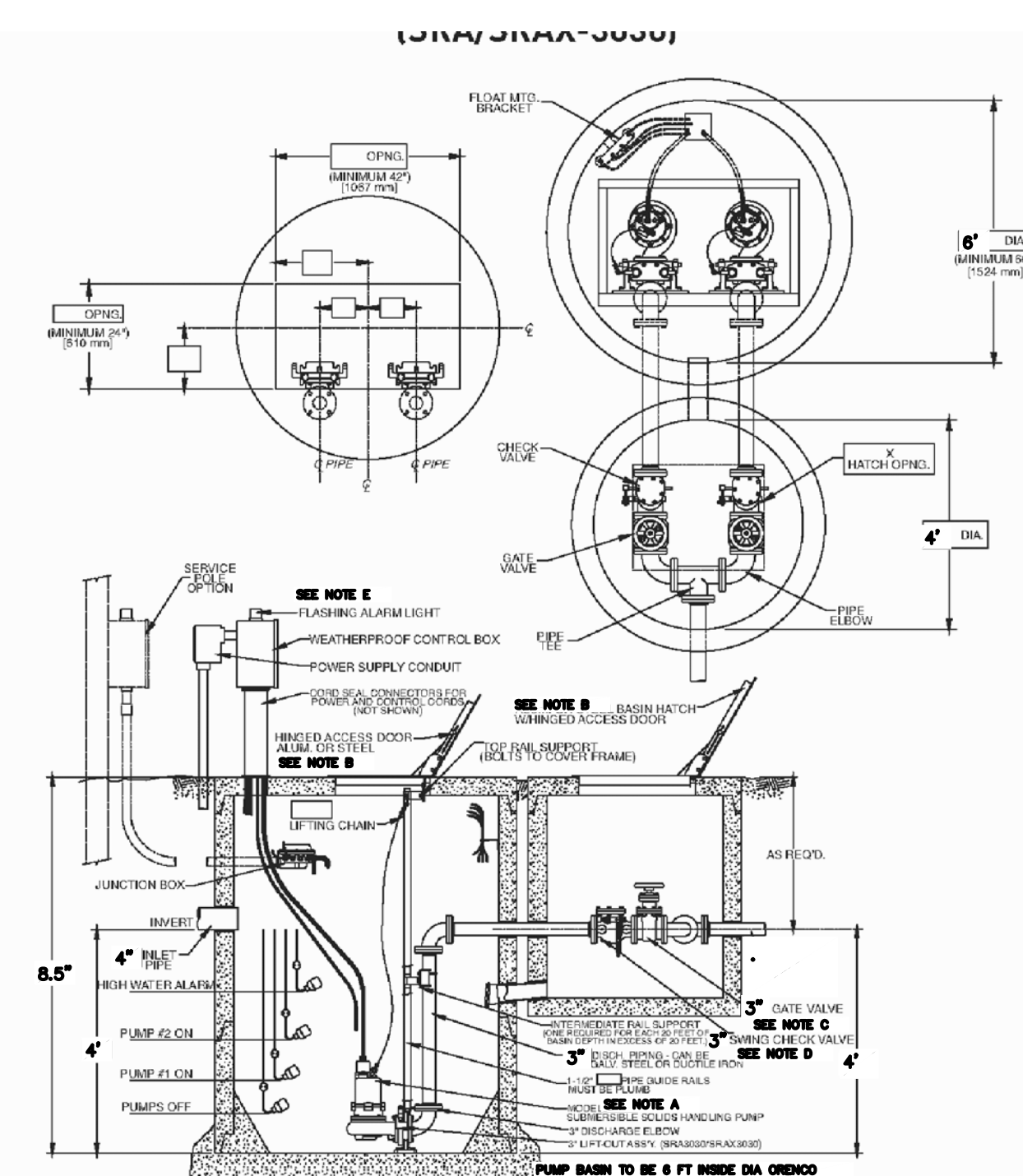
(N) VALVE BOX & SEWER LIFT STATION IN TRAFFIC RATED VAULTS.  
RIM = 8.05  
INVERT IN = 4.0  
SEE DETAIL THIS PAGE

(N) ELECTRICAL SERVICE TO BE TRENCHED TO CONTROL PANNEL

(N) CONTROL PANNEL ON FENCE

POTENTIAL UTILITY CONFLICTS THIS AREA

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PUMP SYSTEM NOTES:

- A. PUMPS SHALL BE SHINWAYWA 3 PHASE 208 VOLT MODEL 3CNWX41.572E/15-4 OR APPROVED EQUAL
- B. PUMP VAULT AND VALVE VAULT SHALL BE TRAFFIC, USF FAB P-AHS OR EQUAL
- C. MATCO-NORCA 200WV GATE VALE OR APPROVED EQUAL
- D. MATCO-NORCA 120WC SWING CHECK VALVE OR APPROVED EQUAL
- E. CONTROLS WILL BE REMOTELY MOUNTED ON FENCE, LOCATION TO BE COORDINATED WITH DISTRICT