CITY OF SANTA ROSA
IMPROVEMENT PLANS FOR
Laguna Treatment Plant
Maintenance Building Office Expansion

CONTRACT No. C01889

GENERAL NOTES:
1. ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SANTA ROSA STANDARDS PLANS. THE CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, THE SPECIAL PROVISIONS FOR THIS PROJECT AND THE STATE STANDARDS PERTAINING TO THIS PROJECT AND THE STATE STANDARDS PERTAINING TO THIS PROJECT. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED CLEARANCES UNDER OVERHEAD UTILITY LINES AND LOW HANGING BRANCHES. THE CONTRACTOR'S TRUCKS AND EXCAVATION EQUIPMENT SHALL BE SIZE SO THAT OVERHEAD WIRES AND TREE BRANCHES ARE NOT DAMAGED.

BEFORE EXCAVATING CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-462-4444
TWO WORKING DAYS BEFORE ALL PLANNED WORK OPERATIONS

PROJECT SCOPE:
AT THE LAGUNA WASTEWATER TREATMENT PLANT, AT THE MAINTENANCE BUILDING, ADDING 2400 SF OF OFFICE AREA AND ASSOCIATED ADA UPGRADES.

CODE SUMMARY:
ADDRESS: LAGUNA WASTEWATER TREATMENT PLANT, 4300 LLANO ROAD, SANTA ROSA
APR: 080-240-025

OCCUPANCY:
OFFICE AREAS: GROUP B OCCUPANCY
SHOP AREAS: GROUP B1 OCCUPANCY
STORAGE AREAS: GROUP B OCCUPANCY

CONSTRUCTION TYPE CBC 022.3.18B SPRINKLERED

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS CBC T-601)
PRIMARY STRUCTURAL FRAME: 0
BEARING WALLS EXTERIOR: 0
BEARING WALLS INTERIOR: 0
NON-BEARING WALLS: 0
ROOF CONSTRUCTION: 0

FIRE RESISTIVE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE CBC T-602
(E) EXTERIOR (NON-BEARING) BUILDING WALLS AND ADDITION EXTERIOR WALLS GREATER THAN 50 FROM ASSUMED IMAGINARY LINE, SEE A1.1, NO FIRE RESISTANCE RATING REQUIRED.

ALLOWABLE AREA: B OCCUPANCY = 10,000 SF
B1 OCCUPANCY = 17,000 SF - USE MOST RESTRICTIVE

LOCATION MAP
NOT TO SCALE

DRAWING INDEX

DRAWING NO.
DRAWING TITLE
1. SL-001 COVER SHEET
2. A1.1 APPLICABLE CODES, PROJECT DIRECTORY, A1.1 GENERAL NOTES, SYMBOLS & ABBREVIATIONS
3. A1.2 SITE PLAN - MAINTENANCE BUILDING
4. A2.1 CODE SUMMARY, DEMO & NEW FLOOR PLAN - MAINTENANCE BUILDING
5. A2.2 FOUNDATION PLAN/ROOF FRAMING PLAN, REFLECTED CEILING PLAN, PARTIAL ROOF PLAN
6. A2.3 EXTERIOR AND INTERIOR ELEVATIONS
7. A2.4 SITE ELECTRICAL
8. A2.5 SECTIONS
9. A2.6 FOUNDATION DETAILS
10. A2.7 WALL DETAILS
11. A2.8 DETAILS CILING WALL
12. A2.9 DETAILS CEILING
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16. A2.13 SYMBOLS, LEGEND AND ABBREVIATIONS
17. A2.14 HVAC & SPRINKLERED PLAN
18. A2.15 ELECTRICAL PLAN
19. A2.16 LIGHTING PLAN
20. A2.17 SCHEDULES AND DIAGRAMS

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LOCATION MAP
NOT TO SCALE
### PROJECT DIRECTORY

**City of Santa Rosa**

**Owner:** TRACY DURMS, 66 STORR CIRCLE, SANTA ROSA, CA 95401

**Architect:** ASIA ARCHITECTS

**Contact:** T. 707.542.3892

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### ANNOTATION SYMBOLS

- **Columns (Circle NC):** Letters on vertical axis, number on horizontal axis.
- **Door Frame:** See Door Schedule.
- **Door Number:** See Door Plan on A1.2
- **Window Type:** See Window Schedule.
- **Cabinet Type:** See Cabinet Schedule.
- **Type of Equipment:** Equipment Group.
- **Key Note:** See Door Schedule.
- **Revise:** See Door Schedule.
- **Room Tag:** Room Name.
- **Match Line:** Matching identification and sheet signature.
- **Blank Space:** Control or Datum Point
- **Gutter:** Extension elevation reference.
- **Gutter Identification:** See Sheet Number.
- **Section Reference:** See Section Identification.
- **Detail Reference:** See Detail Identification.
- **New Finish Grade:** New finish grade.
- **Existing Grade (B.C.L.):** Existing grade (B.C.L.).
- **T.V. Top of Wall:** Top of concrete (B.C.L.).
- **T.C. Top of Pavement:** Top of pavement.
- **Property Line:** Property line.
- **New or Painted Contours:** New or painted contours.
- **Existing Contours:** Existing contours.
- **Berm Line W/Cutout:** Berm line w/cutout.
- **Storm Drain W/Cutout:** Storm drain w/cutout.
- **Dial Line:** Dial line.
- **Electrical Line:** Electrical line.
- **Dimension Line:** Dimension line.

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### MATERIAL INDICATORS

- **Taobordis:** Taobordis.
- **Concrete:** Concrete.
- **Cementitious:** Cementitious.
- **Cement:** Cement.
- **Ceramic Tile:** Ceramic Tile.
- **CMU:** CMU.
- **Steel & Other Metals:** Steel & Other Metals.
- **Fiberglass:** Fiberglass.
- **Plywood:** Plywood.
- **Wood:** Wood.
- **Plaster:** Plaster.
- **Paneling:** Paneling.
- **Gypsum:** Gypsum.
- **Cement:** Cement.
- **Cementitious:** Cementitious.
- **Cabinet:** Cabinet.
- **Concrete:** Concrete.
- **Concrete Block:** Concrete Block.
- **Concrete Blocks:** Concrete Blocks.
- **Concrete Masonry Unit:** Concrete Masonry Unit.
- **Metal:** Metal.
- **Metal Deck:** Metal Deck.
- **Metal Stud:** Metal Stud.
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CONCRETE TO (E) CONC.

SITE CONCRETE WALKWAY

NEW CURB RAMP w/ NEW DETECTABLE TACTILE WARNING

TACTILE WARNINGS - TRUNCATED DOMES

SITE LEGEND

REFER TO COVER PAGE FOR ADDITIONAL INFO

(A) WOMEN'S ACCESSIBLE TOILET
(B) UNISEX ACCESSIBLE TOILET
(C) DETECTABLE CURB WARNING
(D) DETECTABLE STRIPE
(E) CONCRETE PAVING
(F) NON-PERMEABLE CONCRETE PAVING
(G) LANDSCAPED GRASS/PASEO AREAS
(H) ACCESSIBLE PATH OF TRAVEL (PAT)
(I) DIMENSION Bag Cut/Mark Remove
(J) KEYS/WAS
(K) DOOR NUMBER
(L) PAVEMENT TO REMAIN

ACCESSIBLE ROUTE:

ACCESSIBLE PATH OF TRAVEL, AS INDICATED ON PLAN, IS A WALKWAY FREE OF OBSTRUCTIONS AND IS LOCATED AS FAR AS POSSIBLE FROM BUILDING EXITS. Width of an accessible route shall be at least 48 INCHES. Minimum width of an accessible route is 48 INCHES. The accessible route shall be at least 48 INCHES in width except at cross slopes exceeding 1/2 percent. Accessible route shall not be steeper than 1:24. Accessible path of travel with new detectable warning, truncated domes, or gromute shall be maintained.

NOTE: MAXIMUM 2% CROSS SLOPE ON THE WALKWAYS
**ABBREVIATIONS**

**CONCRETE CONSTRUCTION**
1. Concrete shall be a hard rock concrete and meet the following basic requirements:
   - Minimum strength of 2,000 psi (13.8 MPa) at 28 days.

**STRUCTURAL SPECIFICATIONS**
- Infill core slabs shall be 6" (152 mm) thick.
- Foundations shall be 5,000 psi (34.5 MPa) strength.
- Concrete mix design and testing shall meet the requirements of ICC-ES Report 1066 and, at the option of the Framing Contractor, may be in accordance with Section 15.1.1.1.1.2 of the AISC 360-10 Specification.
- Concrete shall be placed in accordance with Section 15.1.1.1.1.2 of the AISC 360-10 Specification. Structural drawings shall be provided for all framing members and connections.

**E SPECIAL INSPECTION BY OWNERS INSPECTION AGENCY**
- Special inspection by owners' inspection agency as required in Section 15.1.1.1.1.2 of the AISC 360-10 Specification for all work, including trim and finish.
- Special inspection by owners' inspection agency as required in Section 15.1.1.1.1.2 of the AISC 360-10 Specification for all work, including trim and finish.

**LIGHT GAUGE METAL FRAMING NOTES**
1. See plans, details, and architectural drawings for metal framing locations, size, architectural framing, and finish metal components.
2. All framing members are to be furnished in accordance with the manufacturer's instructions.
3. Cutout openings shall be fenced and protected in accordance with the manufacturer's instructions.
4. All openings shall be cutout with the proper tools and cutouts shall be smooth and true to size.

**FOOTING NOTES**
1. **FOUNDATION DESIGN**
   - Foundation design pressures are to be based on the owner's specifications.
   - Foundation design pressures are to be based on the owner's specifications.
   - Footings shall be designed in accordance with Section 1705 of the International Building Code (IBC).

**CONTRACTOR'S RESPONSIBILITY**
- The Framing Contractor shall be responsible for the design, installation, and testing of all metal framing components.
- The Framing Contractor shall be responsible for the design, installation, and testing of all metal framing components.

**DRAWING SCALE**
- Scale: 1" = 4'0" (1/8" = 1'-0"

**NOTES**
1. All designations are based on general specifications.
2. All designations are based on general specifications.
3. All designations are based on general specifications.
4. All designations are based on general specifications.

**ADHESIVE ANCHOR IN 2500 PSI MIN CONCRETE**
- Adhesive anchors shall meet the requirements of Section 1705 of the International Building Code (IBC).

**SCREEN ANCHORS IN 2500 PSI MIN CONCRETE**
- Screen anchors shall meet the requirements of Section 1705 of the International Building Code (IBC).
1. Measure supply and return air flows prior to modifying the mechanical system.
2. Redistribute air throughout to maintain indicated air flows without reducing air flow in the balance of the building.

KEYNOTES

1. (E) Supply down from roof; verify in field.
2. (E) Fan coil to remain.
3. Connect duct to (E) duct.
4. Modify and patch duct as required for connection to (E) and in diffusers. Recompute (E) duct as required to supply diffuser.
5. Connect non-return grilles to (E) return ducts. Modify duct as required to connect to new grilles.
6. All new ductwork to have R-8 insulation.
7. Semi-recessed sprinkler location; install led location to comply with NFPA 13. Locations of lights taken precedent. Center sprinklers in ceiling tiles.
8. Provide minimum outside air quantity of 0.6 cfm from existing unit. AIR QUANTITY IS BASED ON SF. TABLE 13-4. (E) 15 cm FAN A 4-6 SF (600 CFM).
1. COORDINATE WITH CITY TO MINIMIZE POWER OUTAGE DURING PANEL UPGRADES
2. ALL CIRCUITS TO BE 2X3 AMP AND 1 X15 AMP IN SPACING. UNLESS NOTED OTHERWISE.

KEYNOTES

1. UPGRADE PANEL M, REPLACE PANEL INTERIOR AND TRIM ASSEMBLIES WITH RETROFIT KIT. EXISTING ENCLOSURE IS 25" HP WIDE, 40" HP TALL, 5" DEEP.
2. UPGRADE PANEL N, REPLACE PANEL INTERIOR AND TRIM ASSEMBLIES WITH RETROFIT KIT. EXISTING ENCLOSURE IS 25" HP WIDE, 37" HP TALL, 5.5" DEEP.
3. EXTEND SURFACE WIREMOLD TO NEW DATA AND POWER RECEPTACLE LOCATIONS.
4. PROVIDE 2X 16/3 WIRING, 14/2 WIRING, PROVIDE SINK MOUNTED FIBER TERMINATION PANEL, AND 2 PORT CAT 5 Ethernet Patch Panel. PROVIDE 16 IN-PANEL MOUNT WIRE MANAGEMENT UNIT ABOVE PATCH PANEL, AND LEAVE SPACE ABOVE FOR CITY PROVIDE NETWORK SWITCH.
5. PROVIDE A MINIMUM OF 10 MULTIPLE POINT CABLES IN 1" CONDUIT BETWEEN EXISTING NETWORK SWITCH AND NEW SWITCH. ROUTE CONDUIT ALONG THE PERIMETER OF THE 10-Ft. DEEP AREA. TOTAL COMPUTER CABLE LENGTH IS APPROX. 300 FT.
6. PROVIDE TWO CAT5 CABLES PER DROP FROM NEW NETWORK SWITCH. PROVIDE WALL PLATES FOR THREE MODULAR CAT 5 JACKS. COLOR TO MATCH OTHER WALL PLATES IN ROOM.
7. PROVIDE RECEPTACLES WITH INSTALLATION SPECIFICATIONS. MOUNT ABOVE BACKPLASH AT SAME WEIGHT AS EXISTING RECEPTACLES.
8. DISCONNECT RECEPTACLE PRIOR TO EXISTING CIRCUIT. CONNECT TO NEW CIRCUIT FROM PANEL 6.
9. PROVIDE RECEPTACLE CIRCUIT CONTROLLED BY OCCUPANCY SENSOR. SEE LIGHTING CONTROL SYSTEM WIRING DIAGRAM ON S2.1.
10. PROVIDE FOUR 16 CAT5 CABLES COILED ABOVE CEILING, WITH SUFFICIENT LENGTH TO EXTEND HIGHEST CORNER OF ROOM AT GROUND LEVEL, TERMINATED AND TESTED.

ELECTRICAL PLAN
MAINTENANCE BUILDING LIGHTING PLAN

LIGHTING FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>LAMP TYPE</th>
<th>LAMP STYLE</th>
<th>COLOR TEMPERATURE</th>
<th>BALLAST TYPE</th>
<th>FUTURE MOUNT</th>
<th>MOUNTING</th>
<th>NOTES</th>
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<tbody>
<tr>
<td>A</td>
<td>2x4 ARCHITECTURAL LED</td>
<td>Cree</td>
<td>MR16-3W</td>
<td>LED</td>
<td>LED</td>
<td>5000K</td>
<td>Dimensions: Electronic Driver</td>
<td>Recessed</td>
<td>-</td>
<td>RECESSED - GRG1</td>
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<tr>
<td>B</td>
<td>4-FT SURFACE LINEAR LED</td>
<td>Cree</td>
<td>LEA-456-30K</td>
<td>LED</td>
<td>LED</td>
<td>5000K</td>
<td>Dimensions: Electronic Driver</td>
<td>Surface</td>
<td>Surface</td>
<td>SUITABLE FOR Damp Location</td>
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SHEET GENERAL NOTES

1. PROVIDE OCCUPANCY AND DAYLIGHTING SENSORS TO CONTROL ROOM LIGHTING IN COMPLIANCE WITH TITLE 24 (2015).

KEYNOTES

1. REMOVE EXISTING LUMINAIRES AND ASSOCIATED WIRING.
2. PROVIDE NEW RECESSED LUMINAIRES, SWITCHING DEVICES, AND WIRING.
3. REMOVE EXISTING RECESSED FLUORESCENT LUMINAIRES, REPLACE WITH NEW LUMINAIRES.
KEYNOTES

1. REMOVE (E) SURFACE MOUNTED LIGHT FIXTURE. PROVIDE (N) FIXTURE PER SCHEDULE.

2. REMOVE (E) WALL SWITCH AND REPLACE W/ OCCUPANCY SENSOR.

3. REMOVE (E) RECEPTACLE. EXTEND CONDUIT AND WIRE FROM J-BOX TO (N) RECEPTACLE. PROVIDE BLANK COVER FOR (E) J-BOX.

4. PROVIDE (N) GFI RECEPTACLE. EXTEND CONDUIT AND WIRE FROM (E) RECEPTACLE LOCATION.

5. PROVIDE EXHAUST FAN GRILL, SEE MECHANICAL DRAWINGS.

UNISEX TOILET ELECTRICAL PLAN

ENLARGED ELECTRICAL PLAN