



SUPPLEMENTAL STAFF REPORT

September 23, 2020

PRESERVATION PLANNING/BOARD BUSINESS

AGENDA ITEM 7A: Tacoma Water Facilities Seismic Retrofit

The following additional information was submitted by Tacoma Water:

Tacoma Water is seismically upgrading five facilities that were identified as high-risk and seismically vulnerable. These facilities are considered some of Tacoma Water's most critical because following a major earthquake they would be instrumental in supplying water to emergency facilities and residents. Three of these facilities (Hood Street Chlorination Building, South Tacoma Pump Station, and Water Operations Building) were originally constructed in the 1930's and are eligible for listing on the historic register. Some modifications will be undertaken to two of these three buildings (Hood Street Chlorination Building and Water Operations Building) as part of the seismic upgrade project. While the project's primary goal is to seismically upgrade the facilities, care will be taken to preserve the historic architecture, aesthetics, and character of the buildings.

Modifications to Building Exterior – Seismic upgrades are primarily confined within the existing buildings and are not visible from the exterior. Limited exterior improvements are necessary at the Hood Street Chlorination Building and Water Operations Building. The existing exterior wall piers at both of these two buildings are overstressed. Consequently, infilling the existing window openings with reinforced concrete is required to strengthen the exterior walls. The window infill consists of concrete that is connected to the existing wall structure by drilling and embedding the reinforcing bars into the existing wall structure. The infilled concrete will be flush with the exterior face of the wall.

To maintain the architecture of the existing building and the appearance of the windows, false window frames with the cross-hatched mullions matching the existing windows will be mounted in front of each concrete infill section. The face of the concrete infill behind the frames will be painted black to differentiate this space from the surrounding wall piers and to provide the appearance of visual access to the interior of the structure. At the Hood Street Chlorination Building, nearly all of the windows must be infilled to provide the added structural strength required. Note that this building is on a restricted site and is not visible to the public. At the Water Operations Building, which is more prominent and directly visible to the public, only approximately one third of the windows will be infilled. Almost half of these window infills will not be directly visible to the public.

The Water Operations Building has an existing hose-drying tower that is visible to the public, but from only a few angles that mainly face the back of the building. The hose-drying tower will be demolished and removed from the overall structure. The hose-drying tower poses a substantial threat of collapse in the event of even a modest earthquake.



GENERAL CIVIL NOTES

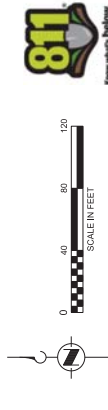
1. COORDINATE ACTIVITIES WITH SITE OPERATIONS SO THAT NO INTERFERENCE OCCURS. MAINTAIN A CLEAR RIGHT-OF-WAY TO ALL TRAFFIC IN THE VICINITY OF THE SITE ENTRANCE.
2. EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. PROPOSED GRADING, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
3. EXISTING SITE TOPOGRAPHY (AND PLANIMETRIC FEATURES) ARE TAKEN FROM AERIAL PHOTOGRAPHS AND HISTORICAL CONSTRUCTION DOCUMENTS. ACCURACY HAS NOT BEEN VERIFIED. FIELD VERIFY TOPOGRAPHIC CONDITIONS IN THE WORK AREA PRIOR TO BEGINNING CONSTRUCTION. VERIFY EXISTING CONDITIONS AND ADJUST WORK PLAN ACCORDINGLY PRIOR TO BEGINNING CONSTRUCTION. PROVIDE REFERENCE TO CONSTRUCTION DOCUMENTS FOR EXISTING SITE FEATURES.
4. DEPOSE OF ALL DEBRIS FROM SITE CLEANING AND EXCAVATION SPILLS OFFSITE.
5. REMOVE TREES AND/OR SHRUBS LOCATED ADJACENT TO STRUCTURES THAT ARE WITHIN THE EXCAVATION LIMITS AND IDENTIFIED ON DRAWING 10-C-004.
6. DESIGN SURFING SYSTEM TO PROTECT EXISTING UTILITIES AND OTHER FACILITIES INTENDED TO REMAIN IN PLACE.

GENERAL UTILITY NOTES




1. CALL ONE-CALL BEFORE YOU DIG. PRIOR TO INITIATING ANY EXCAVATION ACTIVITIES, DIAL 811 OR CALL (800) 424-5555.
2. NOTIFY ALL UTILITY PURVEYORS PRIOR TO ANY EXCAVATION; REFER TO SPECIFICATION SECTION 01 50 00.
3. THE LOCATIONS SHOWN FOR EXISTING SURFACE UTILITIES HAVE BEEN ESTABLISHED BASED ON AVAILABLE RECORD DRAWINGS. EXISTING UTILITIES ARE APPROXIMATE. VERIFY THE LOCATION IN ALL AREAS THAT MAY BE AFFECTED BY CONSTRUCTION TO AVOID DAMAGE. DISTURBANCE OF UTILITIES SHALL BE LIMITED TO THE EXACT LOCATION AND DEPTH AND HEIGHT OF ALL UNDERGROUND AND OVERHEAD UTILITIES WITHIN THE LIMITS OF CONSTRUCTION.
4. DETERMINE THE EXTENT OF HAZARDS OR IMPACTS ON CONSTRUCTION PROCEDURES DURING CONSTRUCTION AS REQUIRED BY ALL STATE, LOCAL AND FEDERAL LAW AND REGULATIONS.
5. PROTECT AND PRESERVE FROM DAMAGE DURING CONSTRUCTION ALL EXISTING UTILITIES AND FACILITIES TO REMAIN. REPAIR OR REPLACE ANY DAMAGE TO EXISTING UTILITIES, AT CONTRACTOR'S SOLE EXPENSE.
6. PROVIDE TEMPORARY FENCING AS NECESSARY TO MAINTAIN SECURITY AT ALL TIMES.
7. ON-SITE ELECTRICAL POWER SOURCES PROVIDE ADEQUATE POWER CIRCUITS (120V-20A OUTLETS) TO SUPPORT CONSTRUCTION ACTIVITIES WITHOUT ANY SPECIAL REQUIREMENTS (POWER FEED, OR METER). COORDINATE WITH OWNER TO PROVIDE TEMPORARY ELECTRICAL SERVICE TO SUPPORT CONSTRUCTION. BREAKER TRIPS, COORDINATE WITH SITE STAFF TO RESET. DO NOT CONNECT TO ANY ELECTRICAL SYSTEMS OR OVERHEAD CIRCUITS THAT ARE REQUIRED TO RESPOND TO EMERGENCY CALLS.
8. WATER SERVICE FOR FIRE CONTRACTORS USE VIA A 1.5-INCH FIRE HOSE CONNECTION LOCATED IN CLOSE PROXIMITY TO THE PUMP STATION WET WELL. SEE DRAWING 10-C-004 AND 10-C-005 FOR LOCATION OF VAULT WITH HOSE CONNECTION FOR RESERVOIR WASHDOWN.
9. TAKE ALL PRECAUTIONS TO PROTECT AND SUPPORT FACILITIES AND UTILITIES AND PIPELINES TO REMAIN. FACILITIES AND PIPELINES THAT REMAIN WILL BE REPAIRED AT THE CONTRACTOR'S SOLE EXPENSE.

DATUM

HORIZONTAL DATUM: WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE NAD 83/91
 VERTICAL DATUM: CITY OF TACOMA, NOV0 29



OVERALL PLAN
 SCALE: 1"=40'-0"

| | | | | | |
|---|---|--|--|--|------------------|
|  |  | APPROVED  TACOMA WATER <small>TACOMA, PUBLIC UTILITIES</small> | CITY OF TACOMA - TACOMA PUBLIC UTILITIES HOOD STREET FACILITIES | AS SHOWN CONTRACTORS DRAWING NO. 10-C-001 TACOMA WATER DRAWING NO. | SHEET 9 OF 37 |
| | | DATE: SEPTEMBER 2020 DESIGN: CE DRAWN: CE CHECKED: CK | | | |
| | | PROJECT NAME: SEISMIC UPGRADES PROJECT ADDRESS: 1002 S TACOMA WAY PROJECT NO: 10-C-001.DGN | | | |
| | | DATE: _____ BY: _____ DATE: _____ | | | |
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CHLORINATION BUILDING NORTH FACE
1
10-C-004



CHLORINATION BUILDING SOUTH FACE
5
10-C-004



CHLORINATION BUILDING NORTHWEST CORNER
2
10-C-004



CHLORINATION BUILDING EAST FACE
6
10-C-004



CHLORINATION BUILDING WEST FACE
3
10-C-004



CHLORINATION BUILDING NORTHEAST CORNER
7
10-C-004



CHLORINATION BUILDING SOUTHWEST CORNER
4
10-C-004



PUMP STATION BUILDING EAST FACE
8
10-C-004



PUMP STATION BUILDING SOUTH FACE
9
10-C-004



PUMP STATION BUILDING SOUTH FACE
10
10-C-004



PUMP STATION BUILDING WEST FACE
11
10-C-004



PUMP STATION BUILDING EAST FACE
12
10-C-004



| NO. | DATE | BY | APP'D. | REV. COMP. |
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Jacobs

DATE: SEPTEMBER 2020
DESIGN: CE
DRAWN: CE
CHECKED: CK

PROJECT NAME: HOOD STREET UPGRADES
PROJECT ADDRESS: 1002 S TACOMA WAY
PROJECT NO: 10-C-004.DGN

FEED BACK REFERENCE: _____
DATE REFERENCE: _____
DRAWN BY: _____
CHECKED BY: _____

SCALE: 1" = 10'-0"

APPROVED: _____
DATE: _____



CITY OF TACOMA - TACOMA PUBLIC UTILITIES
HOOD STREET FACILITIES

EXISTING SITE PHOTOS

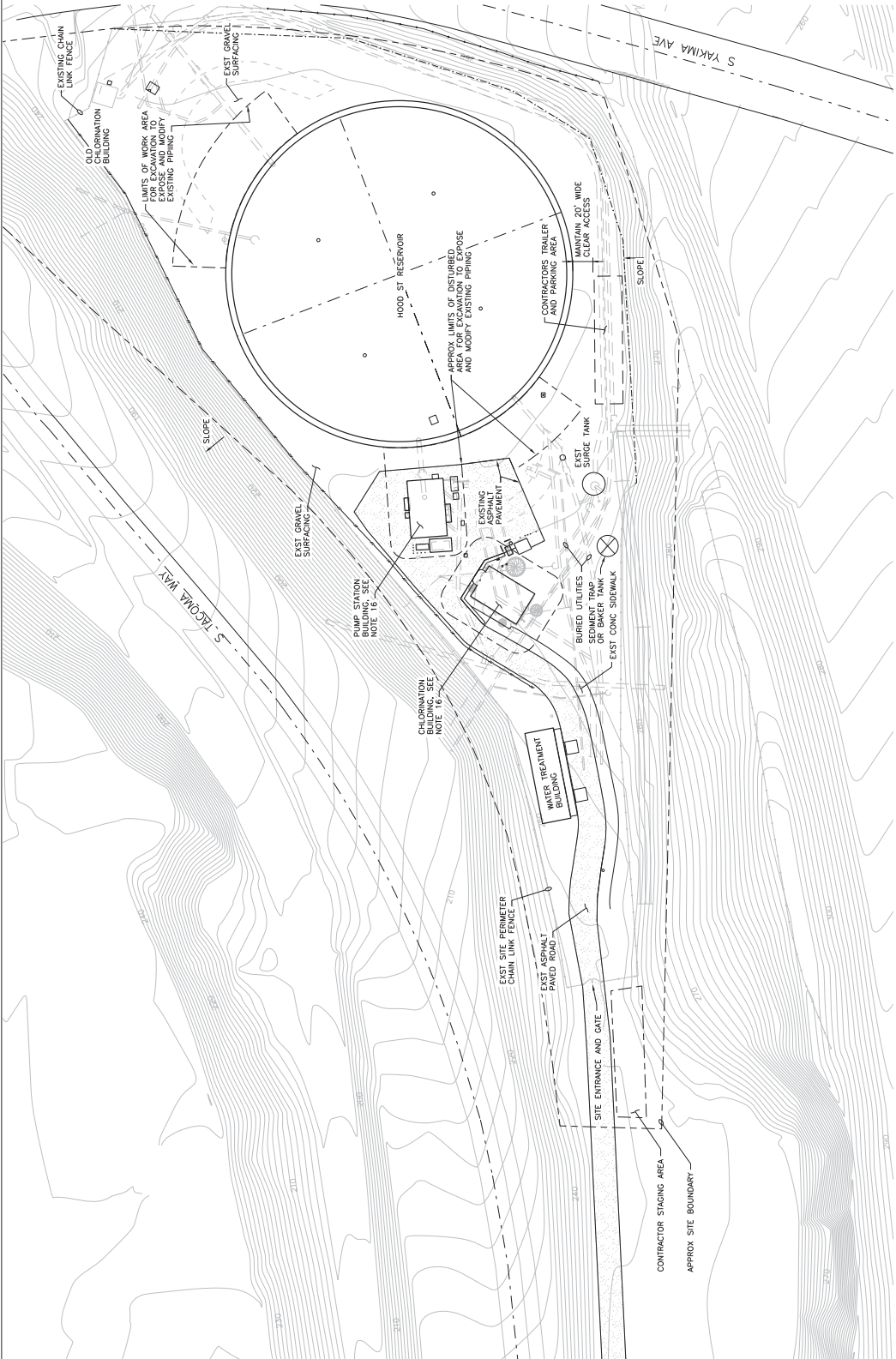
AS SHOWN
CONSULTING NUMBER: 10-C-002
TACOMA WATER DIVISION

EROSION AND SEDIMENT CONTROL NOTES

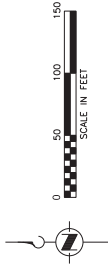
1. PREPARE AND SUBMIT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO THE CITY OF TACOMA IN ACCORDANCE WITH THE DEPARTMENT OF ECOLOGY'S SWPPP MANUAL AND THE CITY OF TACOMA'S STORMWATER MANAGEMENT MANUAL. SEE GENERAL PROVISIONS, NO EARTH DISTURBING ACTIVITY SHALL OCCUR PRIOR TO APPROVAL OF THIS PLAN.
2. IMPLEMENT AND MAINTAIN EROSION CONTROL DEVICES DURING CONSTRUCTION. CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITY. PROVIDE DUST CONTROL. SEE SPECIFICATIONS.
3. THE MEASURES SHOWN ON THESE PLANS ARE THE MINIMUM THAT ARE REQUIRED FOR THE ANTICIPATED SITE CONDITIONS. PROVIDE ADDITIONAL MEASURES AS NEEDED DUE TO WEATHER, AND/OR FIELD CONDITIONS, AND/OR CONSTRUCTION ACTIVITIES.
4. PREVENT DEBRIS AND OTHER MATERIALS FROM ENTERING SURFACE WATERS. REQUIREMENTS REFER APPLICABLE LAWS AND REGULATIONS, AND AS DESCRIBED IN THE SPECIFICATIONS.
5. DO NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES INTO SURFACE WATERS. TURBIDITY SHALL BE MEASURED BY TSS AND TSS READINGS ARE LESS THAN 25 AS MEASURED BY A TURBIDIMETER AND TSS READINGS ARE LESS THAN 25 AS MEASURED BY A TURBIDIMETER AND TSS READINGS ARE LESS THAN 25 AS MEASURED BY A TURBIDIMETER AND TSS READINGS ARE LESS THAN 25 AS MEASURED BY A TURBIDIMETER.
6. ADD INLET PROTECTION AS NECESSARY TO ALL CATCH BASINS THAT RECEIVE STORMWATER RUNOFF WITHIN THE PROJECT AREA AND THAT MAY OR MAY NOT BE SHOWN ON THE TESC PLANS.
7. PROTECT AND PRESERVE ALL EXISTING VEGETATION BEYOND THE CLEARING LIMITS. MAINTAIN EXISTING VEGETATION BEYOND THE CLEARING LIMITS AND CONSTRUCTION ROADS WHERE THE CONSTRUCTION ROADS EXTEND ONTO PAVED ROADWAYS.
8. THE TESC FACILITIES SHOWN ON THIS PLAN WILL BE CONSTRUCTED PRIOR TO EXCAVATION AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SOILS, SEDIMENT, DEBRIS, GROUNDWATER, AND ADJACENT PROPERTIES IS MINIMIZED.
9. FOLLOWING CONSTRUCTION, STABILIZE SITE TO MEET EXISTING CONDITIONS BEFORE REMOVING ANY SILT FENCE, SEDIMENT TRAPS OR OTHER SEDIMENT CONTROL DEVICES. SEDIMENT TRAPS SHALL BE MAINTAINED AND CLEANED AS A RESULT OF RUNOFF THAT MAY OCCUR AFTER CONSTRUCTION IS COMPLETED.
10. THE CONTRACTOR APPOINTED CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) WILL PROVIDE WEEKLY INSPECTION AND MAINTENANCE OF ALL TESC FACILITIES. THE CONTRACTOR SHALL REPORT ALL TESC VIOLATIONS IMMEDIATELY. IMMEDIATELY REPAIR, REPLACE AND INSTALL ADDITIONAL MEASURES SO THAT THEY ARE EFFECTIVE IN PREVENTING EROSION AND SEDIMENTATION.
11. AFTER ANY 24-HOUR RUNOFF PRODUCING EVENT, THE CESCL WILL INSPECT THE TESC MEASURES FOR INTEGRITY. ANY DAMAGED TESC MEASURES SHALL BE REPAIRED IMMEDIATELY. THE INSPECTION FREQUENCY FOR TEMPORARILY STABILIZED INACTIVE SITES WILL BE REDUCED TO ONCE EVERY CALENDAR MONTH. APPROPRIATE BMPs SHALL BE APPLIED PER PROJECT SWPPP.
12. DO NOT DISCHARGE ANY CLEANING SOLVENTS OR CHEMICALS UTILIZED FOR EQUIPMENT MAINTENANCE INTO SURFACE WATERS. EQUIPMENT SHALL BE WASHED AWAY FROM THE DRAINAGE FACILITIES IN SUCH A MANNER AS TO PREVENT SPILLS FROM ENTERING THE GROUNDWATER OR WATER BODIES (INCLUDING NEARBY) SPILLS SHALL BE PREVENTED FROM ENTERING THE GROUND.
13. PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS IN AN APPROVED MANNER AND AT A PERMITTED LANDFILL FACILITY.
14. MAINTAIN CITY STREETS, PAVED TRAILS, AND SHOULDERS WITH STREET SWEEPING AS NECESSARY TO REMOVE CONSTRUCTION GENERATED SEDIMENT.
15. KEEP COPIES OF ALL PERMITS ON THE JOB SITE AND READILY AVAILABLE FOR REFERENCE BY AGENCY PERSONNEL, THE CONSTRUCTION SITE AND LOCAL GOVERNMENT INSPECTORS AND LEAD WORKERS, AND SITE AND LOCAL GOVERNMENT INSPECTORS.
16. MAXIMUM DISTURBED AREA AT PUMP STATION AND CHLORINATION BUILDING IS APPROXIMATELY 10'-FEET BEYOND EXCAVATION LIMITS.
17. TRAVEL ONLY ON PAVED OR GRAVEL SURFACES. CHECK FOR AND REMOVE SOURCES OF TRACKOUT PRIOR TO LEAVING SITE. IMPLEMENT TRACKOUT BMP CONTROLS AS NEEDED TO PREVENT TRACKOUT.

LEGEND

- APPROXIMATE LIMITS OF WORK
- SILT FENCE, SEE 10-C-011
- HIGH VISIBILITY FENCE, PLACE AT TOE OF EXISTING SLOPE
- APPROXIMATE SITE BOUNDARY
- EXISTING PERMETER FENCE

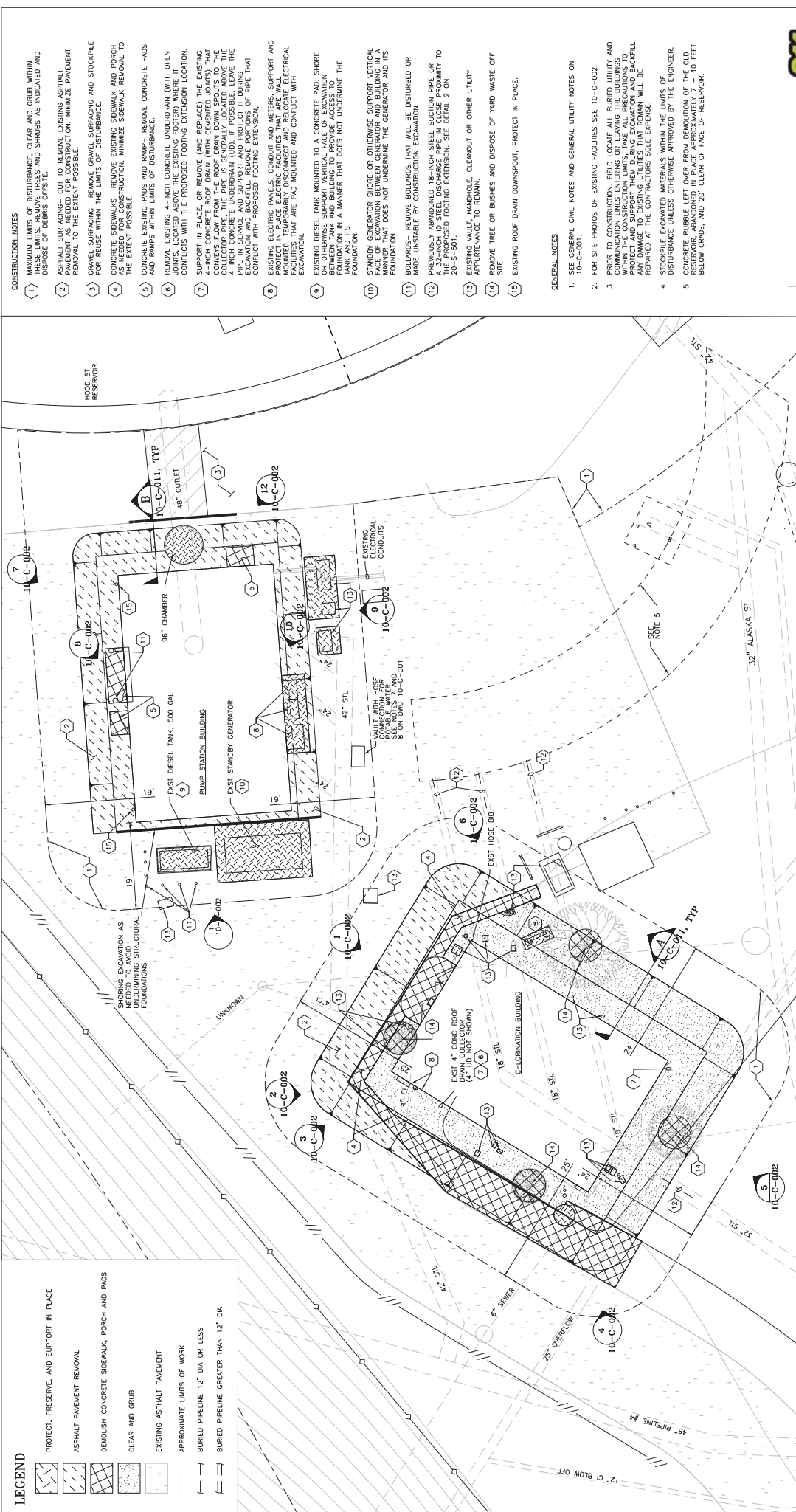


SITE PLAN
SCALE 1"=50'-0"



90% DESIGN, NOT FOR CONSTRUCTION

| | | | | | |
|-----|---------------------------|---|------------|--|------------|
| | | CITY OF TACOMA - TACOMA PUBLIC UTILITIES HOOD STREET FACILITIES | | AS SHOWN CONSULTANT NUMBER: 10-C-003 TACOMA WATER DIVISION | |
| | | APPROVED: [Signature] | | TACOMA WATER TACOMA PUBLIC UTILITIES | |
| NO. | DATE | BY | APP'D | REV. COMP. | REVISION |
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| 3 | DATE: SEPTEMBER, 2020 | DESIGN: CE | DESIGN: CE | DESIGN: CE | DESIGN: CE |
| 2 | DATE: CE | DESIGN: CE | DESIGN: CE | DESIGN: CE | DESIGN: CE |
| 1 | DATE: 10-02-20 TACOMA WAY | DESIGN: CE | DESIGN: CE | DESIGN: CE | DESIGN: CE |
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CONSTRUCTION NOTES

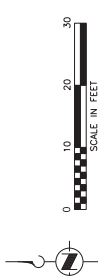
- 1 MAXIMUM LIMITS OF DISTURBANCE, CLEAR AND GRUB WITHIN THESE LIMITS, REMOVE TREES AND SHRUBS AS INDICATED AND DISPOSE OF DEBRIS OFF-SITE.
- 2 SURFACE TO BE PROTECTED OR SUPPORTED WITHIN THESE LIMITS TO THE EXTENT POSSIBLE.
- 3 GRAVEL SURFACING - REMOVE GRAVEL SURFACING AND STOCKPILE FOR REUSE WITHIN THE LIMITS OF DISTURBANCE.
- 4 CONCRETE SIDEWALKS - REMOVE EXISTING SIDEWALK AND PORCH AS NEEDED FOR CONSTRUCTION, MINIMIZE SIDEWALK REMOVAL TO THE EXTENT POSSIBLE.
- 5 CONCRETE EXISTING PADS AND RAMPS - REMOVE CONCRETE PADS AND RAMPS WITHIN LIMITS OF DISTURBANCE.
- 6 REMOVE EXISTING 4-INCH CONCRETE UNDERDRAIN (WITH OPEN JOINTS) WITHIN THESE LIMITS OF DISTURBANCE, MINIMIZE REMOVAL TO THE EXTENT POSSIBLE.
- 7 SUPPORT IN PLACE OR REMOVE (AND REPAIR) THE EXISTING 4-INCH CONCRETE ROOF DRAIN (WITH GEMETED JOINTS) THAT CONVEYS FLOW FROM THE ROOF DRAIN DOWN SPOUTS TO THE EXISTING 4-INCH CONCRETE UNDERDRAIN (UD). IF POSSIBLE, LEAVE THE PIPE IN SERVICE AND PROTECT IT DURING CONSTRUCTION. MINIMIZE REMOVAL OF PIPE THAT CONFLICTS WITH PROPOSED FOOTING EXTENSION.
- 8 EXISTING ELECTRIC PANELS, CONDUIT AND METERS, SUPPORT AND MOUNTED IN PLACE. ELECTRIC FACILITIES THAT ARE WALL MOUNTED, TEMPORARILY DISCONNECT AND RELOCATE ELECTRICAL FACILITIES THAT ARE PAD MOUNTED AND COMPACT WITH EXCAVATION.
- 9 EXISTING DIESEL TANK MOUNTED TO A CONCRETE PAD, SHORE OR OTHERWISE SUPPORT VERTICAL FACE OF EXCAVATION BETWEEN TANK AND BUILDING TO PROVIDE ACCESS TO TANK AND ITS FOUNDATION.
- 10 STANDBY GENERATOR SHORE OR OTHERWISE SUPPORT VERTICAL FACE OF EXCAVATION BETWEEN TANK AND BUILDING TO PROVIDE ACCESS TO TANK AND ITS FOUNDATION.
- 11 BOLLARDS - REMOVE BOLLARDS THAT WILL BE DISTURBED OR MADE UNSTABLE BY CONSTRUCTION EXCAVATION.
- 12 PREVIOUSLY ABANDONED 18-INCH STEEL SUCTION PIPE OR A 32-INCH I.D. STEEL DISCHARGE PIPE IN CLOSE PROXIMITY TO 20'-5"-50'.
- 13 EXISTING VAULT - HANDLE, CLEANOUT OR OTHER UTILITY APURTURENANCE TO REMAIN.
- 14 REMOVE TREE OR BUSHES AND DISPOSE OF YARD WASTE OFF SITE.
- 15 EXISTING ROOF DRAIN DOWNSPOUT, PROTECT IN PLACE.

GENERAL NOTES

1. SEE GENERAL CIVIL NOTES AND GENERAL UTILITY NOTES ON 10-C-001.
2. FOR SITE PHOTOS OF EXISTING FACILITIES SEE 10-C-002.
3. PRIOR TO CONSTRUCTION, FIELD LOCATE ALL BURIED UTILITY AND COMMUNICATION LINES ENTERING OR LEAVING THE BUILDINGS AND SUPPORT THEM DURING EXCAVATION AND BACKFILL. PROTECT AND SUPPORT THEM DURING EXCAVATION AND BACKFILL. REPAIR AT THE CONTRACTOR'S SOLE EXPENSE.
4. STOCKPILE EXCAVATED MATERIALS WITHIN THE LIMITS OF DISTURBANCE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. CONCRETE RUBBLE LEFT OVER FROM DEMOLITION OF THE OLD BUILDING SHALL BE MAINTAINED AS SHOWN AND 10 FEET BELOW GRADE, AND 20' CLEAR OF FACE OF RESERVOIR.

LEGEND

| | |
|----------|--|
| [Symbol] | PROTECT, PRESERVE, AND SUPPORT IN PLACE |
| [Symbol] | ASPHALT PAVEMENT REMOVAL |
| [Symbol] | DEMOLISH CONCRETE SIDEWALK, PORCH AND PADS |
| [Symbol] | CLEAR AND GRUB |
| [Symbol] | EXISTING ASPHALT PAVEMENT |
| [Symbol] | APPROXIMATE LIMITS OF WORK |
| [Symbol] | BURIED PIPELINE 12" DIA. OR LESS |
| [Symbol] | BURIED PIPELINE GREATER THAN 12" DIA |

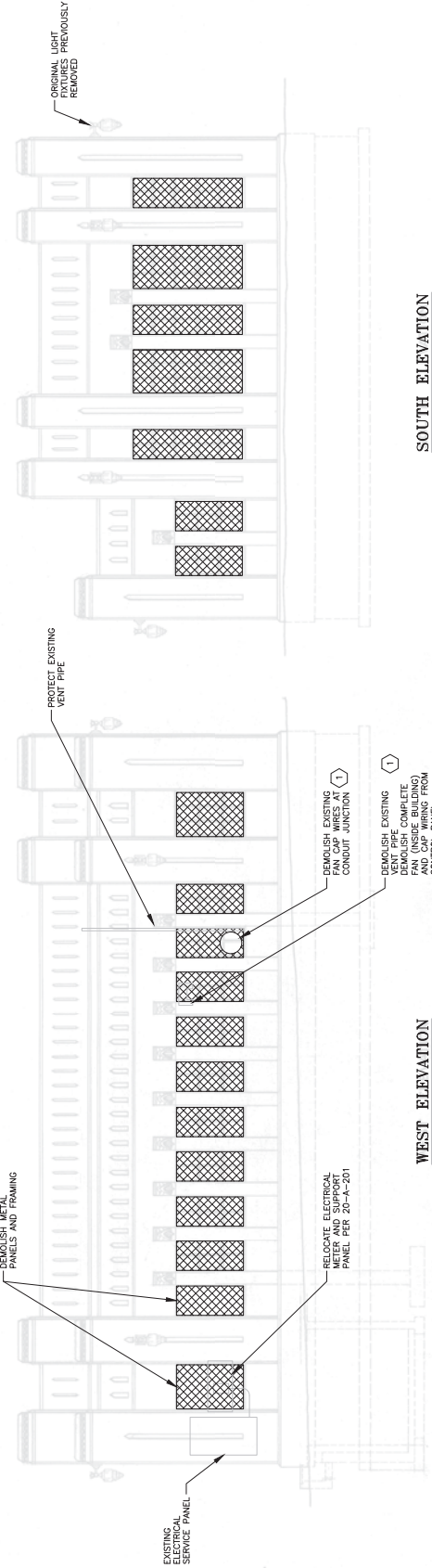


NOTE: NOT ALL UTILITIES AND EQUIPMENT ARE SHOWN, FIELD VERIFY AND LOCATE ALL PRIOR TO START OF CONSTRUCTION

| | | | |
|---------------------|--|---|--|
| | CITY OF TACOMA - TACOMA PUBLIC UTILITIES HOOD STREET FACILITIES | AS SHOWN CONSULTING NUMBER: 10-C-004 TACOMA WATER DEPARTMENT | BUILDING PERIMETER REMOVALS & EXCAVATION PLAN |
| | PROJECT NUMBER: 10-C-004-001 PROJECT ADDRESS: 1000 3/4 TACOMA WAY TACOMA, WA 98402 | DATE: SEPTEMBER 2020 DESIGN: CE DRAWN: CE CHECKED: CK | TACOMA WATER TACOMA PUBLIC UTILITIES |
| SHEET NO. 6 OF 6 | DATE: _____ BY: _____ APP'D: _____ REVISION: _____ | SCALE: 1"=10'-0" APPROVED: _____ DATE: _____ | SHEET 11 OF 57 |

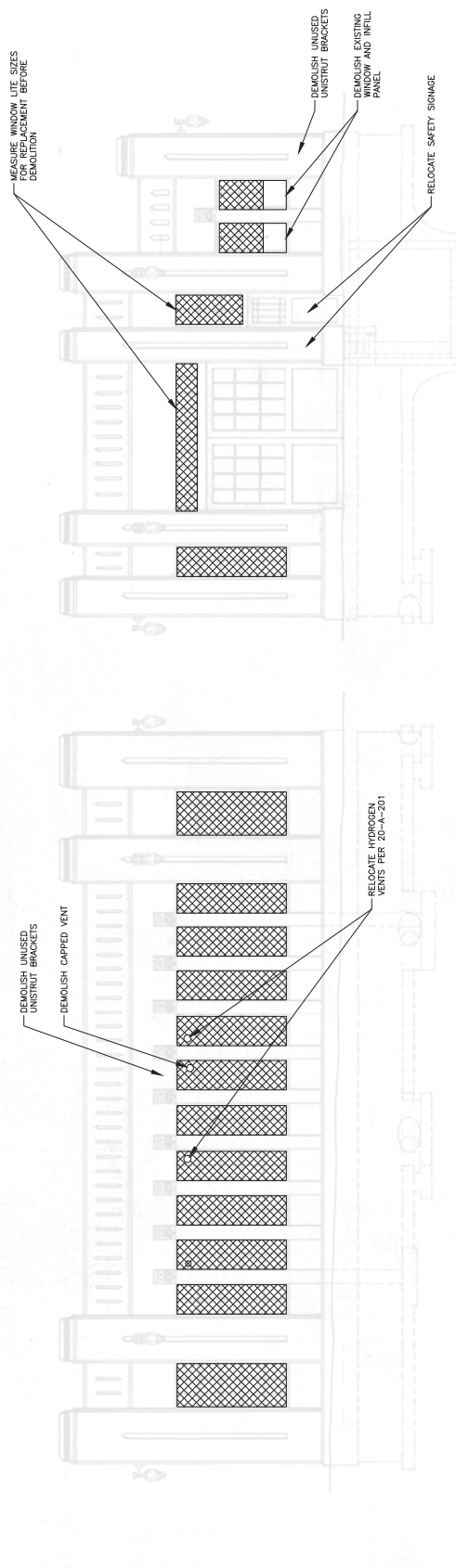
KEY NOTES

- ① REMOVE POWER AND CONTROL CONDUCTORS TO EXISTING FANS BACK TO THE FIRST TERMINATION POINT AND ABANDONED IN PLACE. ALL WIRING ENDS AND LABEL AS ABANDONED IN PLACE.
- ② REMOVE ALL SCREENS AND GRATING, WINDOW OPENING HARDWARE AND INSULATION FROM INSIDE OF WINDOWS



SOUTH ELEVATION
SCALE: 1/4"=1'-0"

WEST ELEVATION
SCALE: 1/4"=1'-0"



NORTH ELEVATION
SCALE: 1/4"=1'-0"

EAST ELEVATION
SCALE: 1/4"=1'-0"

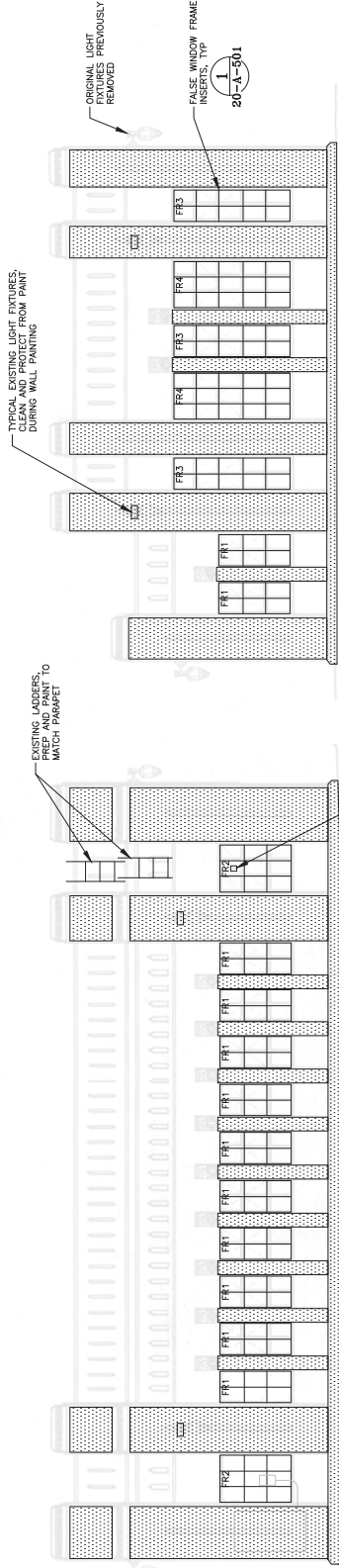
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| | REVISION DATE BY APP'D. REVISION | DATE DATA FILE | DATE: SEPTEMBER, 2020 DESIGN: MM DRAWN: HQ CHECKED: CK | APPROVED | PROJECT NAME: REGION: SEISMIC UPGRADES FACILITY ADDRESS: 1002 S TACOMA WAY TACOMA, WA 98402 | SHEET: 22 OF 57 20-AD-201 TACOMA WATER TACOMA PUBLIC UTILITIES | CITY OF TACOMA - TACOMA PUBLIC UTILITIES HOOD STREET CHLORINATION BUILDING DEMOLITION ELEVATIONS | AS SHOWN CONSULTING ENGINEER TACOMA, WASH. STATE |
|--|-------------------------------------|-------------------|---|--------------|---|---|--|--|

NOTES:

1. REPAIR ALL CONCRETE CRACKS PER SPEC SECTION 03 01 32 AND 03 01 33.
2. PREPARE BUILDING FACE FOR PAINTING PER SPEC SECTION 09 90 00.
3. POWER WASH ALL GLAZED TERRA COTTA COLUMN CAPS. AND PREPARE DOORS FOR PAINTING PER SPEC SECTION 09 90 00.
4. SPEC SECTION 09 90 00.

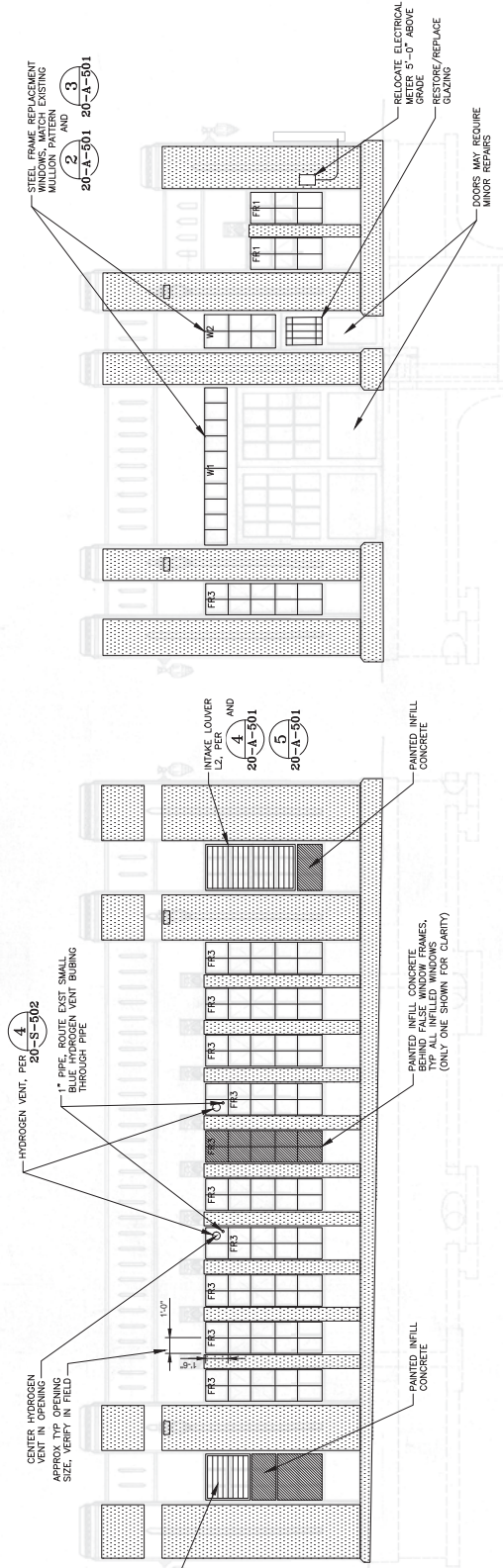
WALL FINISH LEGEND

- WALL FINISH WF1
- ▨ WALL FINISH WF2
- ▩ WALL FINISH WF3



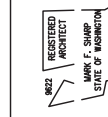
WEST ELEVATION
SCALE: 1/4"=1'-0"

SOUTH ELEVATION
SCALE: 1/4"=1'-0"



EAST ELEVATION
SCALE: 1/4"=1'-0"

NORTH ELEVATION
SCALE: 1/4"=1'-0"



| NO. | REVISION | DATE | BY | APPROV. (PR. COMP.) |
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Jacobs
FIELD WORK DOCUMENT

DATE: SEPTEMBER, 2020
DESIGN: MM
DRAWN: HQ
CHECKED: CK

PROJECT NAME: HOOD STREET CHLORINATION BUILDING
PROJECT NUMBER: 20-A-201
PROJECT ADDRESS: 1002 S TACOMA WAY
JOB FILE NAME: 20-A-201.dwg

DATE: SEPTEMBER, 2020
DESIGN: MM
DRAWN: HQ
CHECKED: CK

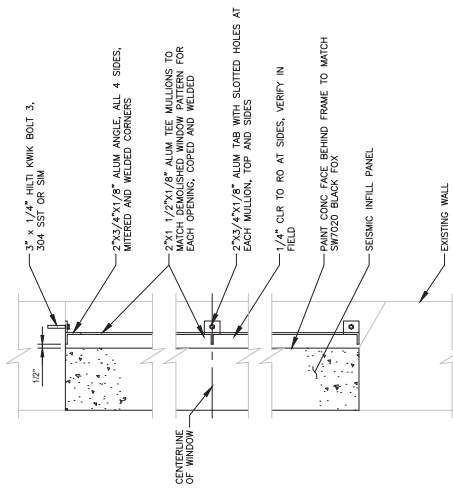
PROJECT NAME: HOOD STREET CHLORINATION BUILDING
PROJECT NUMBER: 20-A-201
PROJECT ADDRESS: 1002 S TACOMA WAY
JOB FILE NAME: 20-A-201.dwg

TACOMA WATER
TACOMA PUBLIC UTILITIES

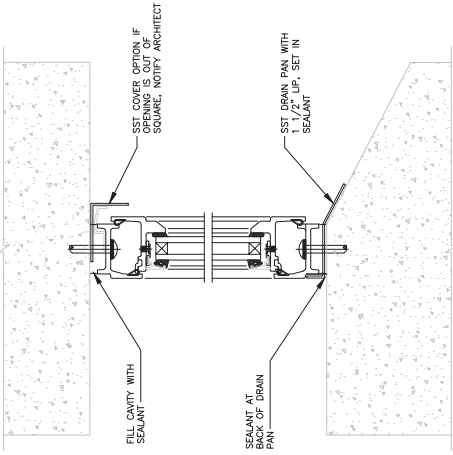
CITY OF TACOMA - TACOMA PUBLIC UTILITIES
HOOD STREET CHLORINATION BUILDING

ELEVATIONS

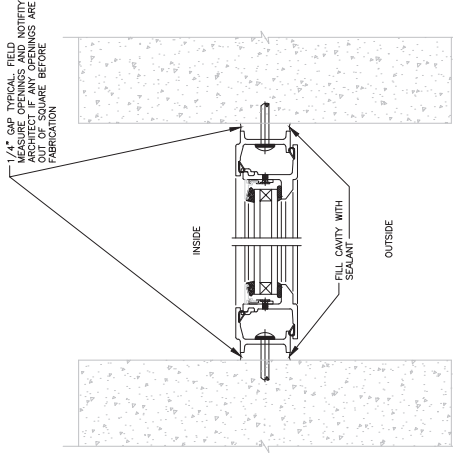
DATE: AS SHOWN
DRAWING NUMBER: 20-A-201
SHEET: 23 OF 57



FALSE WINDOW FRAME DETAIL 1
SCALE: 1/12"=1'-0"



WINDOW INFILL HEAD AND SILL DETAIL 2
SCALE: 6"=1'-0"



WINDOW INFILL JAMB DETAIL 3
SCALE: 6"=1'-0"

FINISH SCHEDULE

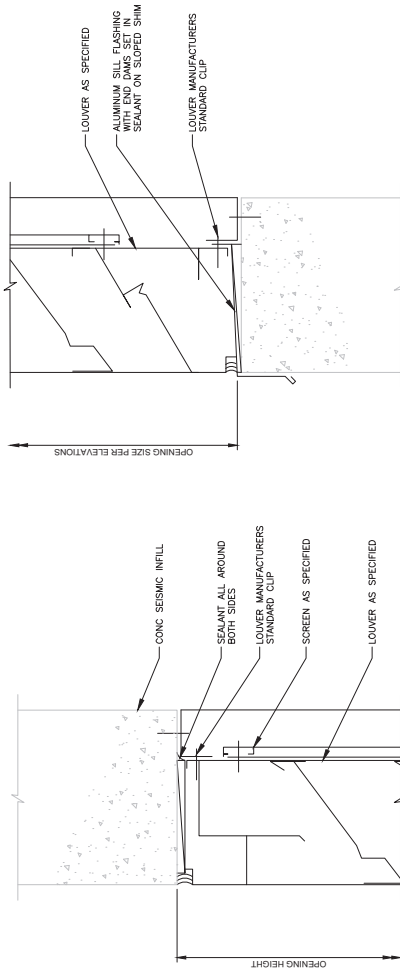
| ASSEMBLY | MATERIAL | FINISH | COLOR | ADDITIONAL REMARKS |
|--|--------------------|------------|---|--------------------------------|
| WF-1 WALLS AND PARAPETS | CONCRETE | SYSTEM 112 | MATCH EXISTING WHITE | |
| WF-2 2 PILASTERS | CONCRETE | SYSTEM 112 | PAINT TO MATCH LOUVER COLOR | INCLUDE STEEL LADDERS, SYS 5 |
| WF-3 3 CONC WINDOW INFILL EXIST DOORS | CONCRETE | SYSTEM 112 | MATCH SW 7020 BLACK FOX | |
| PILASTER CAPS | GLAZED TERRA COTTA | CLEAN ONLY | — | — |
| LOUVERS | ALUMINIUM | PVDF | GRAY AS SELECTED FROM STANDARD COLOR CHART | ELECTRICAL EQUIP., TERRA COTTA |

WINDOW SCHEDULE

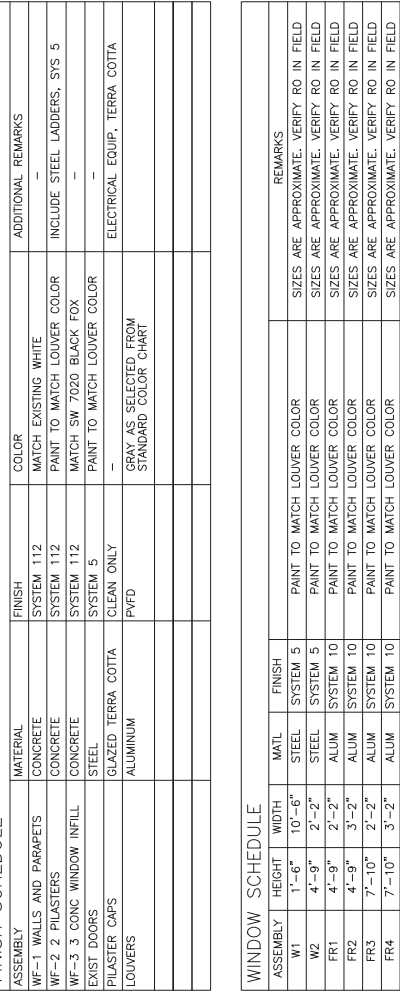
| ASSEMBLY | HEIGHT | WIDTH | MATL | FINISH | COLOR | REMARKS |
|----------|--------|--------|-------|-----------|-----------------------------|---|
| W1 | 1'-6" | 10'-6" | STEEL | SYSTEM 5 | PAINT TO MATCH LOUVER COLOR | SIZES ARE APPROXIMATE. VERIFY RO IN FIELD |
| W2 | 4'-9" | 2'-2" | STEEL | SYSTEM 5 | PAINT TO MATCH LOUVER COLOR | SIZES ARE APPROXIMATE. VERIFY RO IN FIELD |
| FR1 | 4'-9" | 2'-2" | ALUM | SYSTEM 10 | PAINT TO MATCH LOUVER COLOR | SIZES ARE APPROXIMATE. VERIFY RO IN FIELD |
| FR2 | 4'-9" | 3'-2" | ALUM | SYSTEM 10 | PAINT TO MATCH LOUVER COLOR | SIZES ARE APPROXIMATE. VERIFY RO IN FIELD |
| FR3 | 7'-10" | 2'-2" | ALUM | SYSTEM 10 | PAINT TO MATCH LOUVER COLOR | SIZES ARE APPROXIMATE. VERIFY RO IN FIELD |
| FR4 | 7'-10" | 3'-2" | ALUM | SYSTEM 10 | PAINT TO MATCH LOUVER COLOR | SIZES ARE APPROXIMATE. VERIFY RO IN FIELD |

LOUVER SCHEDULE

| ASSEMBLY | HEIGHT | WIDTH | MATL | FINISH | COLOR | REMARKS |
|----------|--------|-------|------|--------|-------------------------------|---------------------------|
| L1 | 3'-2" | 3'-2" | ALUM | PVDF | TBD, FROM MFR STANDARD COLORS | VERIFY ROUGH OPENING SIZE |
| L2 | 5'-0" | 3'-2" | ALUM | PVDF | TBD, FROM MFR STANDARD COLORS | VERIFY ROUGH OPENING SIZE |



LOUVER HEAD DETAIL 4
SCALE: 6"=1'-0"



LOUVER SILL DETAIL 5
SCALE: 6"=1'-0"

602 REGISTERED
PROTECT
MARK F. SHIP
STATE OF WASHINGTON

| NO. | DATE | BY | APP'D. | REV. COM. | REVISION |
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| 6 | | | | | |
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Jacobs

FIELD WORK DIVISION

DATE: SEPTEMBER, 2020

CONC PROJECT NAME:

DESIGN: MM

DRAWN: HQ

DATE: 01

CHECKED: CK

CONC FILE NAME: 20-A-501.dwg

TACOMA WATER

TACOMA PUBLIC UTILITIES

APPROVED: [Signature]

SCALE: 1"=1'-0"

CITY OF TACOMA - TACOMA PUBLIC UTILITIES
HOOD STREET CHLORINATION BUILDING

DETAILS

AS SHOWN

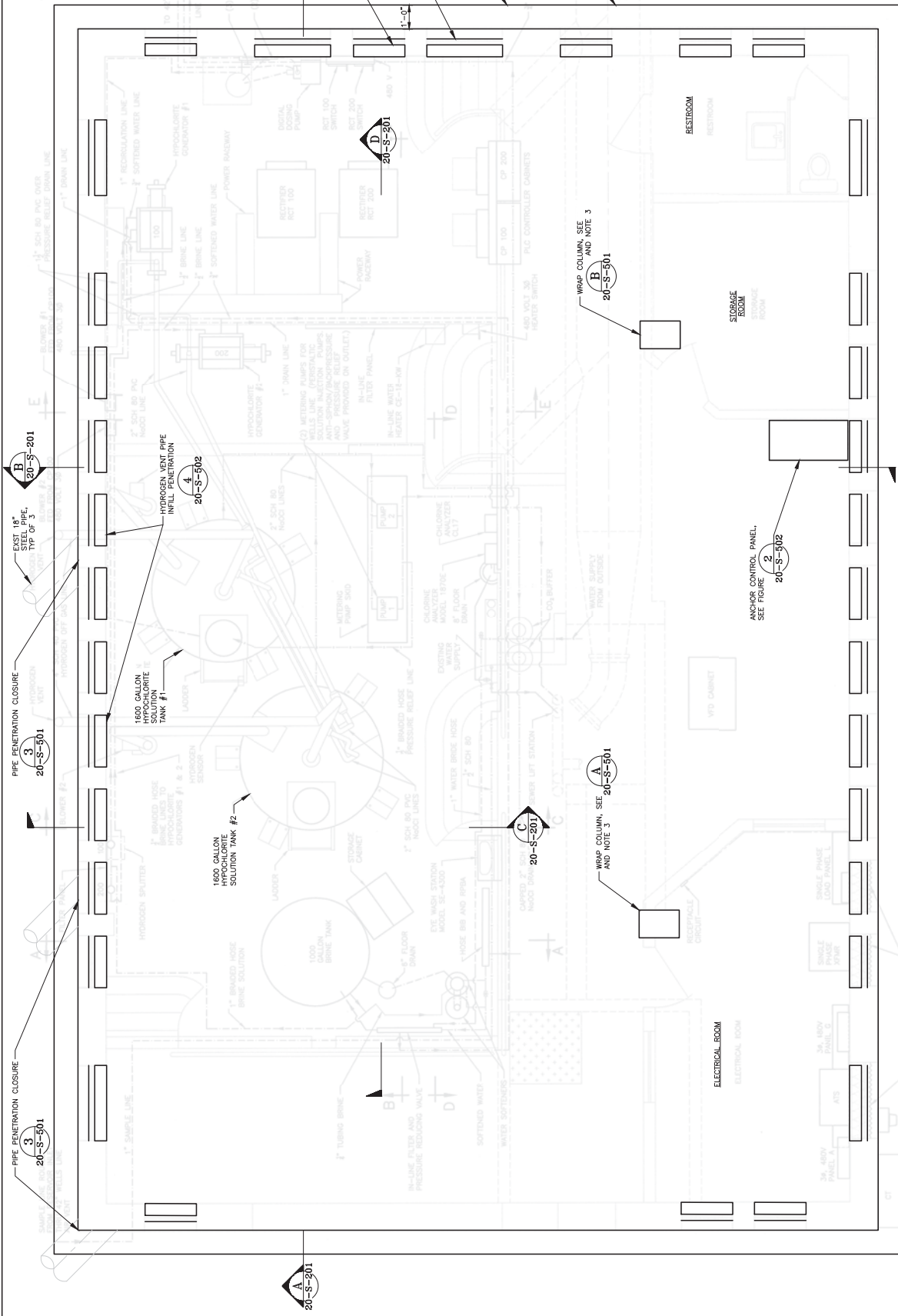
20-A-501

CONVALLING DRAWING NO.

NOVA WOOD DRAWING NO.

24 OF 57

- NOTES:** GENERAL STRUCTURAL NOTES. SEE DRAWING 01-C-003.
- CONCRETE TO RECEIVE CFRP STRENGTHENING SYSTEM; REPAIR CRACKS TO BE REPAIRED IN ACCORDANCE WITH THE REQUIREMENTS FOR CONTACT-CRITICAL APPLICATIONS IN SPECIFICATION.
 - REPAIR CRACKS WIDER THAN 0.01" AS SPECIFIED. REPAIRS TO BE MADE USING REINFORCED POLYMER STRENGTHENING SYSTEM.
 - WALLS AS REQUIRED TO INSTALL CFRP COLUMN WRAPS.
 - DEMOLISH EXISTING WINDOWS AND WINDOW INFFL.



FLOOR PLAN
SCALE: 1/8" = 1'-0"

CITY OF TACOMA - TACOMA PUBLIC UTILITIES
HOOD STREET CHLORINATION BUILDING

AS SHOWN
20-S-101
TACOMA WOOD DRIVE, WA
TACOMA, WA 98404
DATE: 08/31/2020
DRAWN: JMM
CHECKED: CK

JACOBS

DATE: SEPTEMBER 2020
FIELD WORK ROUTINE

DATE: SEPTEMBER 2020
FIELD WORK ROUTINE

DATE: SEPTEMBER 2020
FIELD WORK ROUTINE

DATE: SEPTEMBER 2020
FIELD WORK ROUTINE

| NO. | DATE | BY | APP'D. | REV. COM. |
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DATE: SEPTEMBER 2020
FIELD WORK ROUTINE

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DATE: SEPTEMBER 2020
FIELD WORK ROUTINE

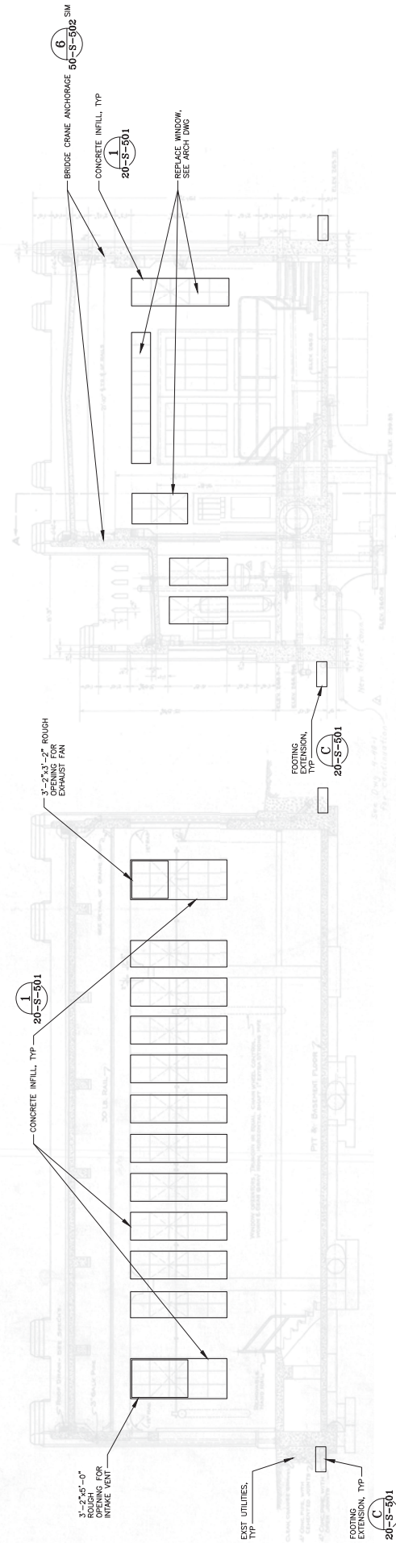
DATE: SEPTEMBER 2020
FIELD WORK ROUTINE

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FIELD WORK ROUTINE

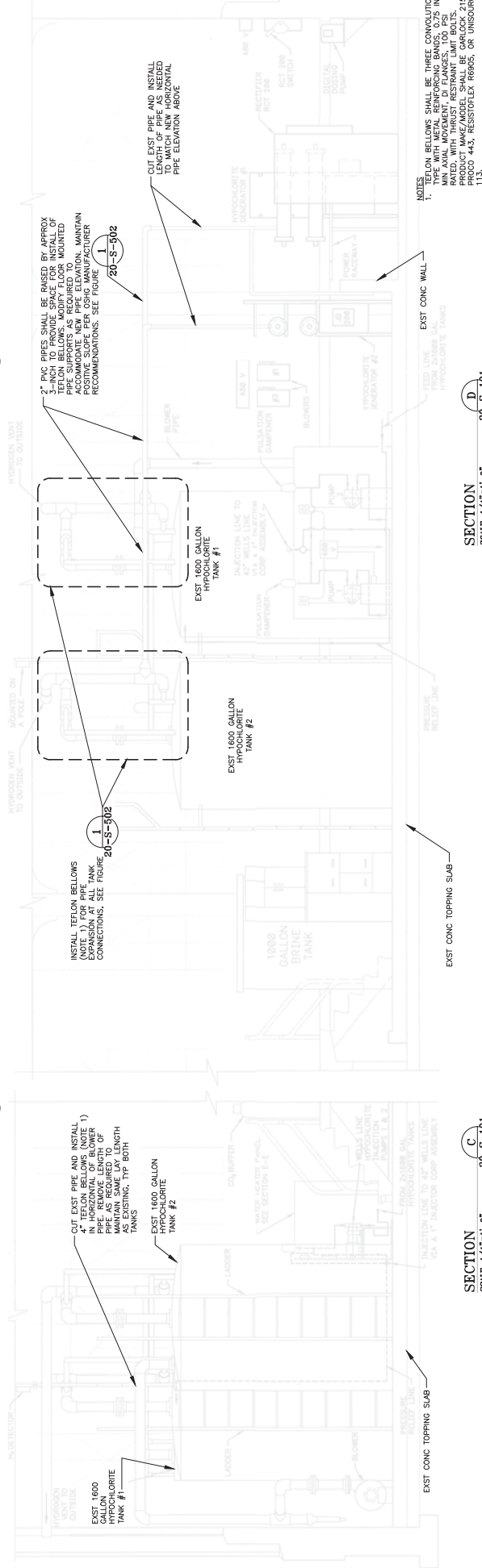
DATE: SEPTEMBER 2020
FIELD WORK ROUTINE



SECTION A
SCALE: 1/4"=1'-0"
20-S-101

SECTION B
SCALE: 1/4"=1'-0"
20-S-101

SECTION C
SCALE: 1/4"=1'-0"
20-S-101



SECTION C
SCALE: 1/4"=1'-0"
20-S-101

SECTION D
SCALE: 1/4"=1'-0"
20-S-101

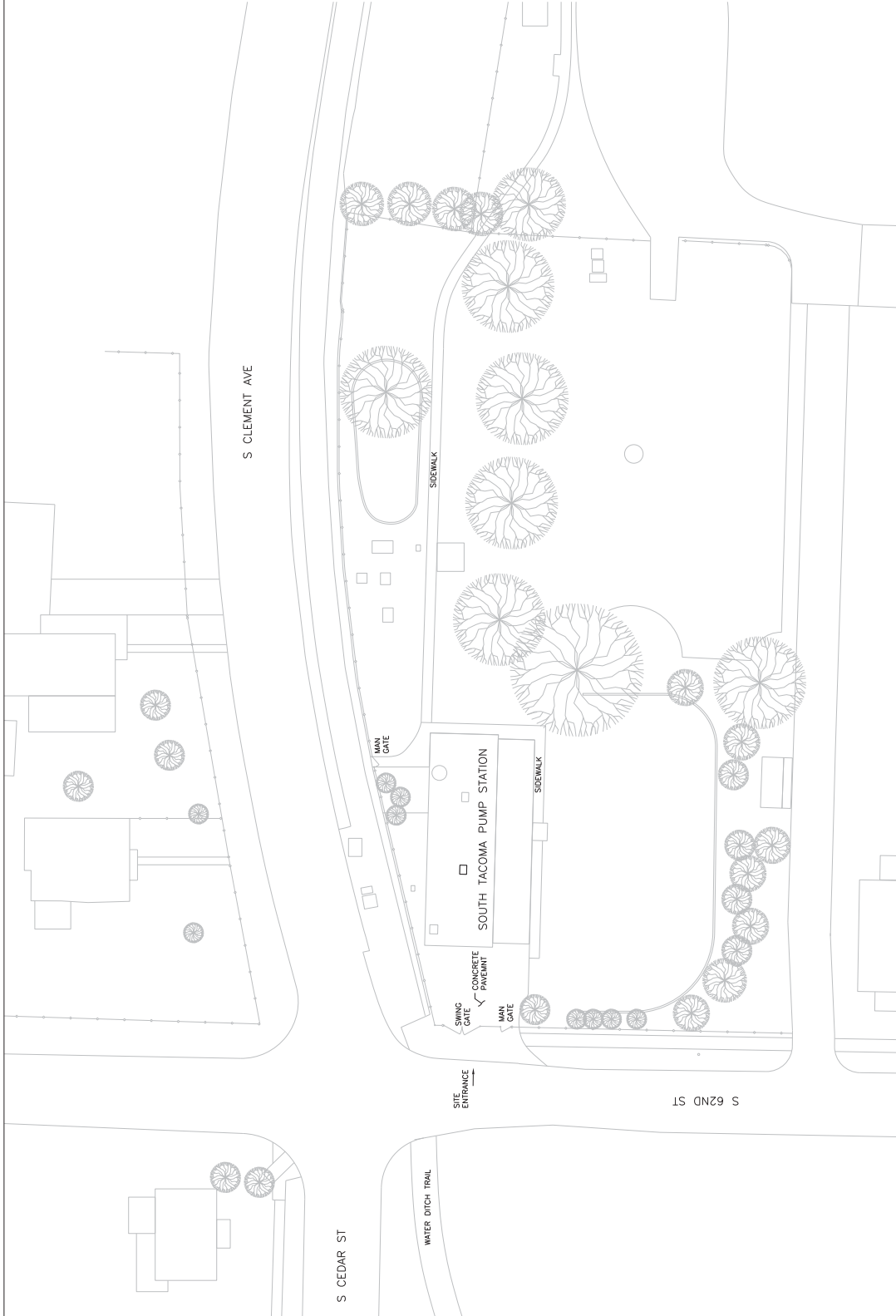
SECTION E
SCALE: 1/4"=1'-0"
20-S-101

| NO. | REVISION | DATE | BY | APP'D | REV. COM. |
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| DATE | SEPTEMBER 2020 |
| DESIGN | MM |
| DRAWN | HQ |
| CHECKED | CK |
| DATE | |
| DESIGN | |
| DRAWN | |
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|--------------|--|
| PROJECT NAME | CITY OF TACOMA - TACOMA PUBLIC UTILITIES HOOD STREET CHLORINATION BUILDING |
| DATE | 20-S-201.dwg |
| SCALE | AS SHOWN |
| DATE | 20-S-201 |
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| DATE | 20-S-201.dwg |
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GENERAL NOTES

1. COORDINATE ACTIVITIES WITH SITE OPERATIONS SO THAT NO INTERFERENCE WITH ONGOING SITE OPERATIONS OCCURS. WELD RIGHT-OF-WAY TO ALL UTILITIES IN THE VICINITY OF THE SITE ENTRANCE.
2. EXISTING UTILITIES AND STRUCTURES ARE SHOWN. SCALED AND/OR LIGHT-LINED PROPOSED GRADING, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
3. EXISTING SITE TOPOGRAPHY (AND PLANIMETRIC FEATURES) ARE TAKEN FROM AERIAL PHOTOGRAPHS AND HISTORICAL RECORD DRAWINGS. EXISTING CONDITIONS AND UTILITIES ARE SHOWN ON THE DRAWINGS. BEGINNING CONSTRUCTION, REFER TO RECORD DRAWINGS FOR SOUTH TACOMA PUMP STATION. SEE APPENDIX.
4. PROTECT AND PRESERVE FROM DAMAGE. ALL EXISTING UTILITIES AND STRUCTURES SHALL BE IDENTIFIED AND MARKED PRIOR TO ANY CONSTRUCTION. MONITORING TO CONFIRM AS SPECIFIED DAMAGE TO EXISTING FEATURES, ASSOCIATED WITH CONSTRUCTION ACTIVITIES, WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL DAMAGES TO PRIVATE PROPERTY AND COSTS ASSOCIATED WITH RESTORING PROPERTY TO ORIGINAL OR BETTER CONDITION.
5. COORDINATE WITH PUMP STATION OPERATIONS START TO DESIGNATE CONTRACTOR WORKSPACE INSIDE THE BUILDING FOR MATERIAL STORAGE AND WORK SPACE.
6. ON-SITE ELECTRICAL POWER SOURCES PROVIDE ADEQUATE POWER CIRCUITS TO ALL ELECTRICAL EQUIPMENT. THE CONTRACTOR SHALL VERIFY ALL SPECIAL REQUIREMENTS (POWER FEED, OR METER). COORDINATE WITH OWNER REGARDING THE LOCATION OF POWER HOOK-UPS FOR USE BY CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL CONSTRUCTION. A CIRCUIT BREAKER TRIP COORDINATE WITH SITE STAFF FOR REQUIRED TO CONNECT TO HIGHER VOLTAGE/AMPERAGE CIRCUITS THAT ARE REQUIRED TO RESPOND IF A BREAKER IS TRIPPED.
7. WATER IS AVAILABLE ON-SITE FOR CONTRACTOR USE VIA A 2-INCH FIRE HOSE CONNECTION LOCATED IN CLOSE PROXIMITY TO THE PUMP STATION. MET WELL STREET PARKING IS AVAILABLE ON S. CLEMENT AVENUE. LIMITED PARKING IS AVAILABLE ON S. CLEMENT AVENUE. COORDINATE WITH OWNER TO DESIGNATE ON-SITE PARKING AREA.



Jacobs

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| DATE | SEPTEMBER 2020 |
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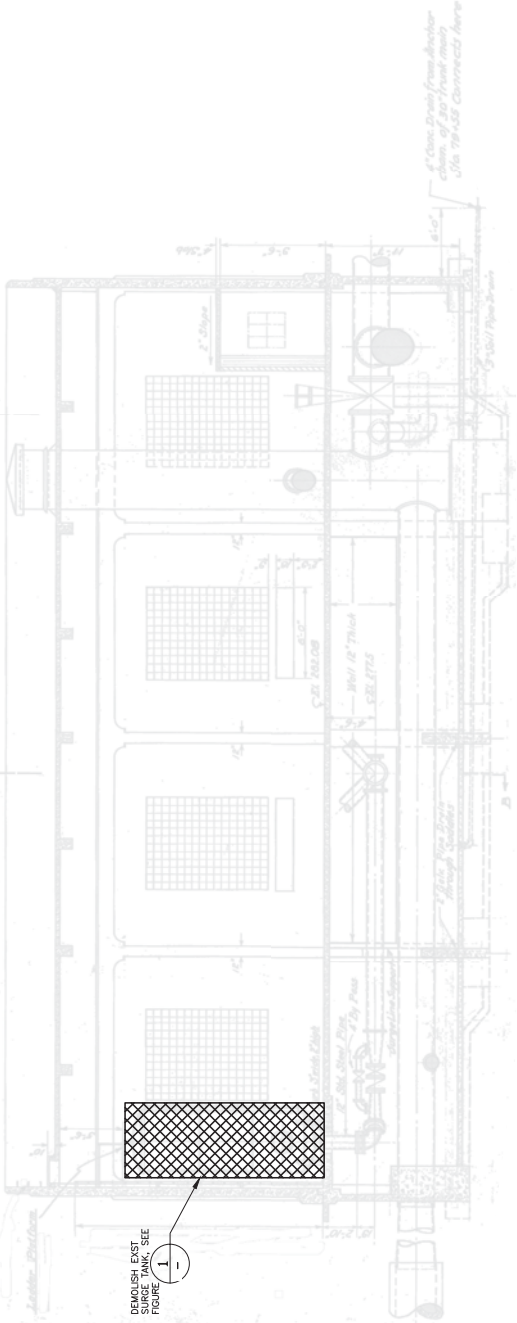
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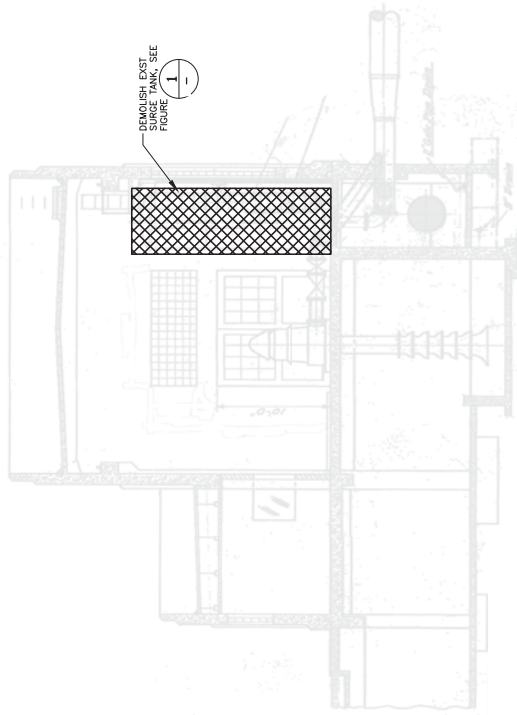
CITY OF TACOMA - TACOMA PUBLIC UTILITIES
SOUTH TACOMA PUMP STATION

SCALE
50-G-001
CONSULTING ENGINEER: TACOMA WATER DIVISION, INC.
TACOMA, WASHINGTON, WA
SHEET 52 OF 57

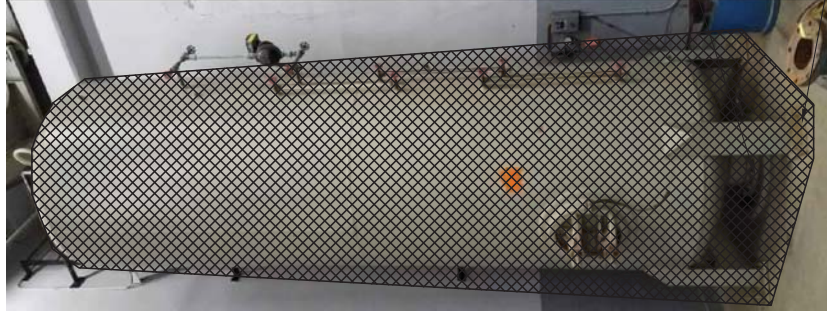
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SECTION A
SCALE: 3/16"=1'-0"
50-G-002



SECTION B
SCALE: 3/16"=1'-0"
50-G-002



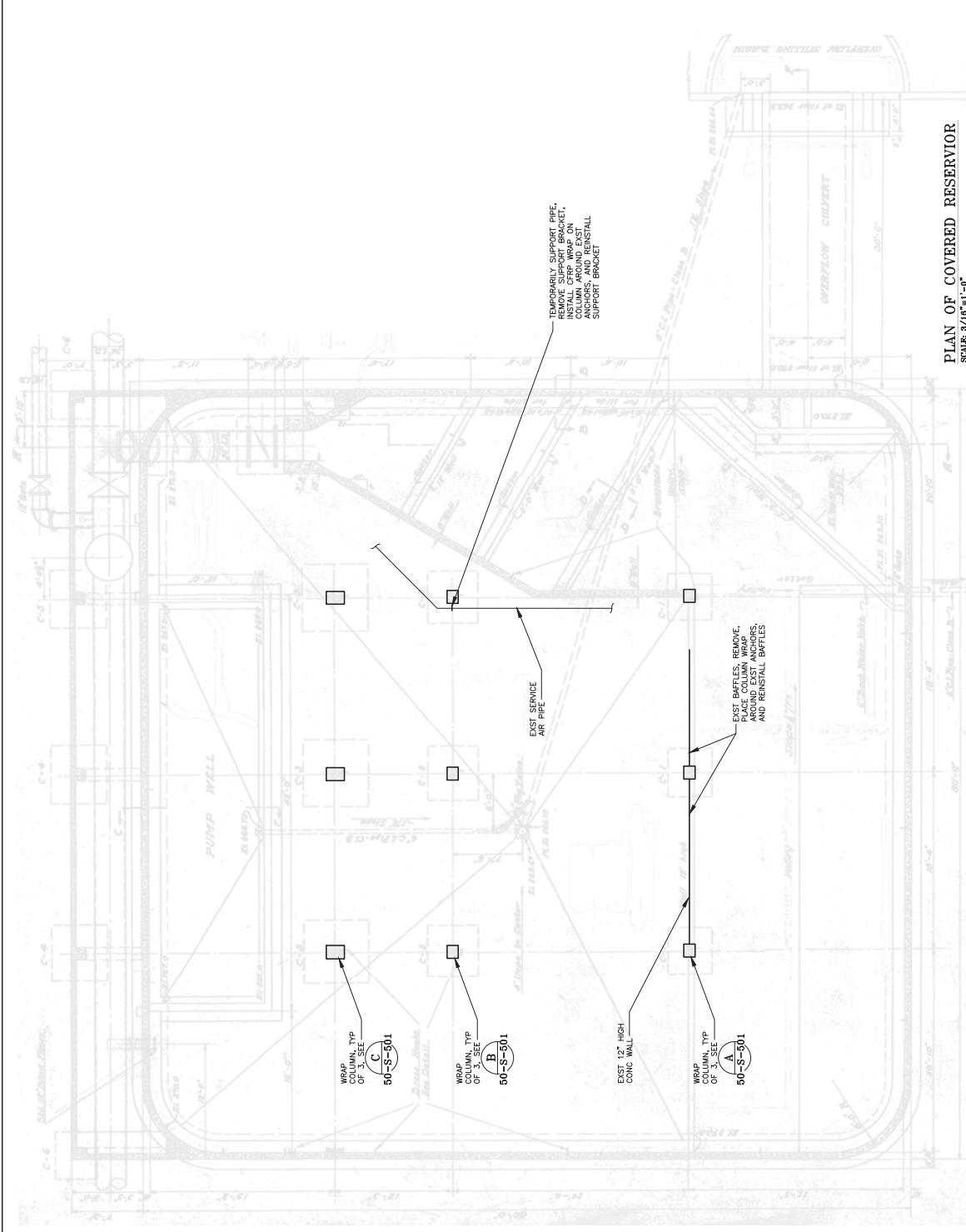
NOTE:
1. CORE DRILL 3/4" DIA HOLE, 1 1/2" DEEP, AND CHIP AND GRIND TO REMOVE EXISTING EQUIPMENT ANCHORS TO 1 1/2" MIN BELOW TOP SURFACE OF CONCRETE. CLEAN AND PATCH WITH REPAIR MATERIAL.

FIGURE 1
SCALE: NTS

INSTALL BLIND FLANGE AND WELD CONNECTION TO 1/2" STEEL PIPE
EQUIPMENT ANCHORS, SEE NOTE

| | | | | | | | |
|---|--|--|--|---|--|--|--|
| | | | | CITY OF TACOMA - TACOMA PUBLIC UTILITIES SOUTH TACOMA PUMP STATION | | DATE AS SHOWN 50-D-101 CONVALLING DRAWING NO. TACOMA WOOD DRAWING NO. | |
| DATE: SEPTEMBER, 2020 DESIGN: MM DRAWN: HQ CHECKED: CK | | PROJECT NAME: SEISMIC UPGRADES PROJECT ADDRESS: 4200 S. CLEMENT AVE SHEET NO. 50-D-101.dwg | | APPROVED: | | SHEET 58 OF 57 | |
| REVISION | | DATE | | BY | | APP'D. NO. COMP. | |
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- NOTES**
1. CONCRETE TO RECEIVE CRFP STRENGTHENING TO BE WRAPPED IN ACCORDANCE WITH THE REQUIREMENTS FOR CONTRACTOR QUALITY CONTROL (CQC) IN SECTION 03 24 00, EXTERNALLY BONDED FIBER-REINFORCED CONCRETE (FRP) SYSTEMS FOR STRUCTURAL STRENGTHENING, AS SPECIFIED IN SECTION 03 24 00.
 2. CRFP STRENGTHENING SYSTEM FOR COLUMNS SHALL BE INSTALLED AND APPLIED TO PROTECT ASR DURING CONSTRUCTION.
 3. CRFP STRENGTHENING SYSTEM FOR COLUMNS SHALL BE INSTALLED AND APPLIED TO PROTECT ASR DURING CONSTRUCTION.
 4. CRFP STRENGTHENING SYSTEM FOR COLUMNS SHALL BE INSTALLED AND APPLIED TO PROTECT ASR DURING CONSTRUCTION.



PLAN OF COVERED RESERVOIR
 SCALE: 3/16"=1'-0"

APPROVED

DATE: SEPTEMBER, 2020
 DESIGN: MM
 DRAWN: HQ
 CHECKED: CK

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| PROJECT NAME: | 50-S-101 |
| CLIENT: | JACOBS |
| DESIGNER: | JACOBS |
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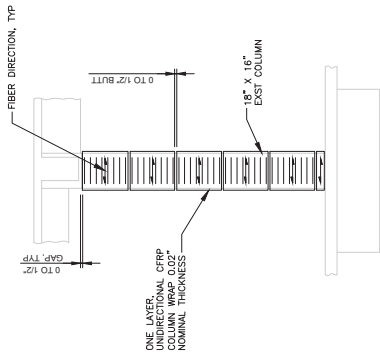
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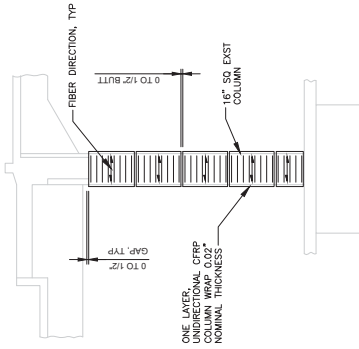
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| PROJECT NAME: | 50-S-101.dwg |
| CLIENT: | JACOBS |
| DESIGNER: | JACOBS |
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TACOMA WATER
 TACOMA PUBLIC UTILITIES

| | | | |
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| TACOMA WATER TACOMA PUBLIC UTILITIES | CLEARWELL PLAN | CITY OF TACOMA - TACOMA PUBLIC UTILITIES SOUTH TACOMA PUMP STATION | DATE SHOWN 50-S-101 <small>CONSULTING DRAWING NO.</small> TACOMA WATER DRAWING NO. |
| SHEET 55 OF 57 | | | |

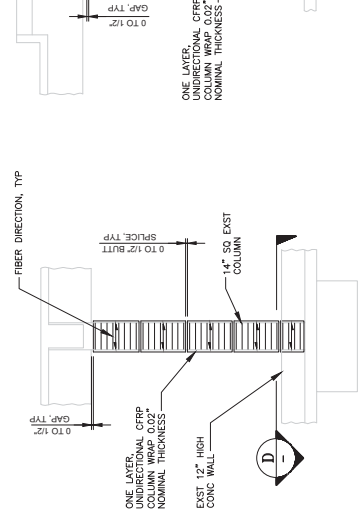


SECTION A SCALE: 3/8"=1'-0" 50-S-101



SECTION B SCALE: 3/8"=1'-0" 50-S-101

SECTION C SCALE: 3/8"=1'-0" 50-S-101



SECTION D SCALE: 1 1/2"=1'-0" 50-S-101

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| FIELD WORK ROUTINE | |
| DATE | SEPTEMBER, 2020 |
| DESIGNER | MM |
| DRAWN | HQ |
| CHECKED | CK |
| PROJECT NAME | SEISMIC UPGRADES |
| PROJECT ADDRESS | 6600 S COLUMB AVE |
| SHEET NO. OF | 50-S-501.dwg |

Jacobs

TACOMA WATER
TACOMA PUBLIC UTILITIES

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CITY OF TACOMA - TACOMA PUBLIC UTILITIES
SOUTH TACOMA PUMP STATION

DETAILS

AS SHOWN
CONSULTING ENGINEER
50-S-501
TACOMA WATER
TACOMA PUBLIC UTILITIES

DATE: 09/17/2020
SCALE: 1/8"=1'-0"

PROJECT NAME: SEISMIC UPGRADES
PROJECT ADDRESS: 6600 S COLUMB AVE
SHEET NO. OF: 50-S-501.dwg

DATE: SEPTEMBER, 2020
DESIGNER: MM
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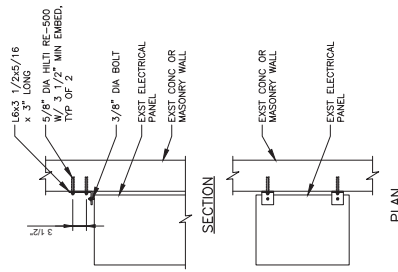
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FIGURE 1
 SCALE: 1/2" = 1'-0"
 50-G-002

FIGURE 1
 SCALE: 1/2" = 1'-0"
 50-G-002



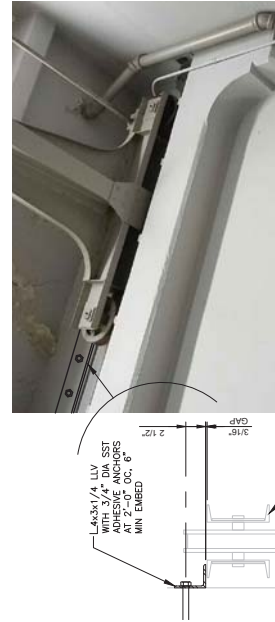
NOTES:
 1. IF ELECTRICAL PANEL EQUIPMENT IS EQUAL TO OR GREATER THAN 6'-0" PROVIDE ADDITIONAL SEISMIC ANCHORAGE AS SHOWN.
 2. LOCATE ANGLES 3" FROM EACH EDGE OF EQUIPMENT.

FIGURE 5
 SCALE: 1" = 1'-0"
 20-S-502
 50-S-502



FIGURE 2
 SCALE: 1/2" = 1'-0"
 50-G-002

FIGURE 2
 SCALE: 1/2" = 1'-0"
 50-G-002



NOTE: TOP OF CHASSIS ELEVATION ON WALL ALONG WITH CRANE CHASSIS. PROVIDE INSTALLATION FOR RESTRAINT ANGLE. TEST CRANE TRAVEL FOLLOWING INSTALLATION, AND ADJUST ANGLE AS REQUIRED TO ALLOW FREE TRAVEL.

FIGURE 6
 SCALE: 1" = 1'-0"
 20-S-211
 50-G-002

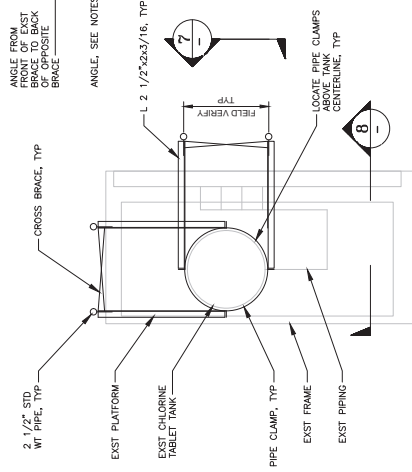


FIGURE 7
 SCALE: 1/2" = 1'-0"
 50-G-002

FIGURE 7
 SCALE: 1/2" = 1'-0"
 50-G-002

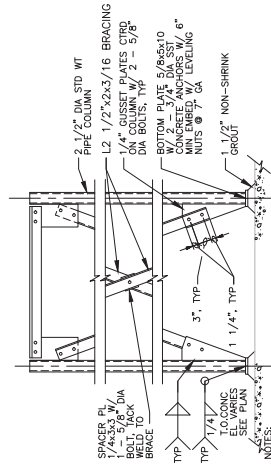


FIGURE 8
 SCALE: 1" = 1'-0"
 50-G-002

FIGURE 8
 SCALE: 1" = 1'-0"
 50-G-002

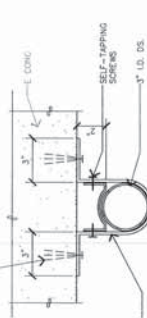


NOTES:
 1. TRACTOR SHALL FIELD VERIFY DIMENSIONS OF EXISTING BRACE. SIZE OF NEW ANGLES SHALL MATCH EXISTING.
 2. WELD NEW ANGLES TO EXISTING WITH 3/16 FILLET WELD.
 3. CRANE SHALL BE INSTALLED ON EXISTING BRACE.
 4. EXISTING BRACE AFTER WELDING PER SPEC 09 90 00.
 5. UNINSTALL UNIT HEATER TO INSTALL NEW BRACING.
 6. REINSTALL UNIT HEATER AFTER BRACING INSTALLATION.

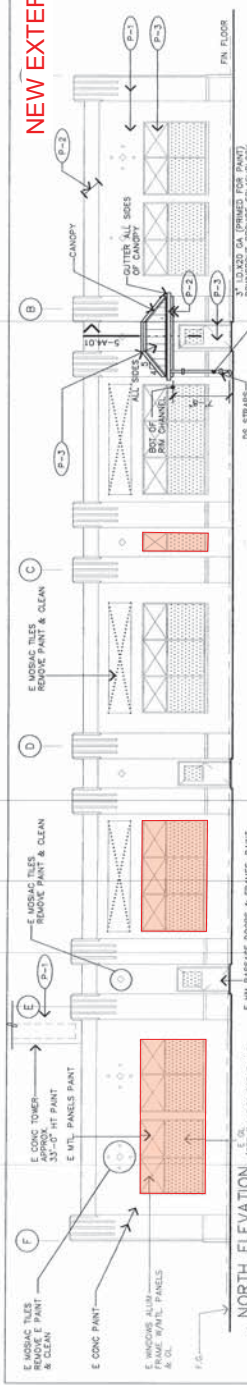
FIGURE 4
 SCALE: 1/2" = 1'-0"
 50-G-002

| | | | |
|----------------------|-------------|--|-----------------------|
| DATE: SEPTEMBER 2020 | | APPROVED: [Signature] | |
| DESIGN: MM | DESIGN: MM | TACOMA WATER TACOMA PUBLIC UTILITIES | |
| DRAWN: HQ | DRAWN: HQ | CITY OF TACOMA - TACOMA PUBLIC UTILITIES SOUTH TACOMA PUMP STATION | |
| CHECKED: CK | CHECKED: CK | DETAILS | |
| DATE: [] | | DATE: [] | |
| BY: [] | | DATE: [] | |
| APP'D: [] | | DATE: [] | |
| REVISED: [] | | DATE: [] | |
| NO. | | NO. | |
| 6 | 5 | 50-S-502 | AS SHOWN |
| 5 | 4 | 50-S-502 | CONVULSION DAMPING SC |
| 4 | 3 | 50-S-502 | NOVA WELD CRANE SC |
| 3 | 2 | 50-S-502 | |
| 2 | 1 | 50-S-502 | |
| 1 | 1 | 50-S-502 | |
| NO. | NO. | 50-S-502 | |

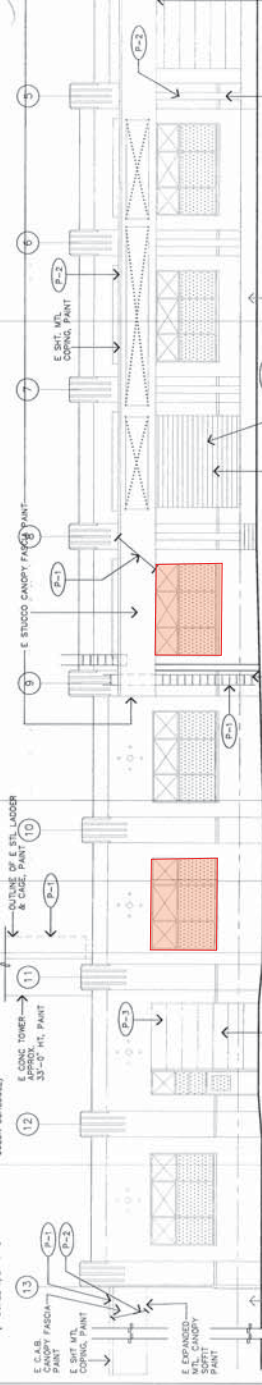
NEW EXTERIOR CONCRETE WINDOW INFILL LOCATIONS



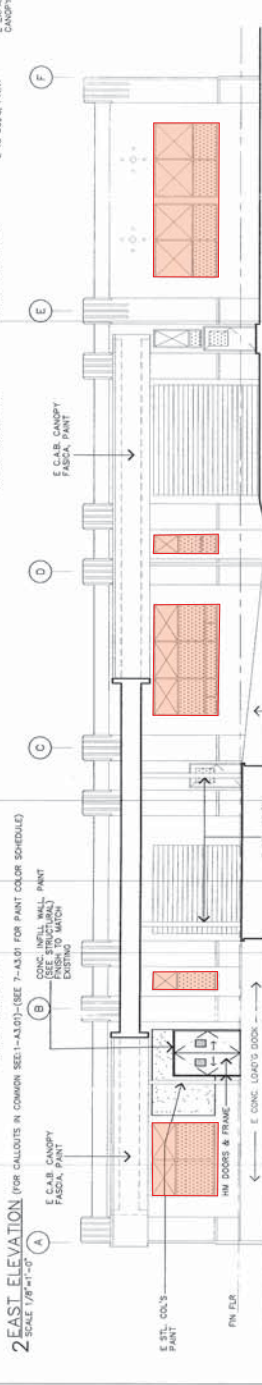
5 DOWNSPOUT STRAP
SCALE 3/4"=1'-0"



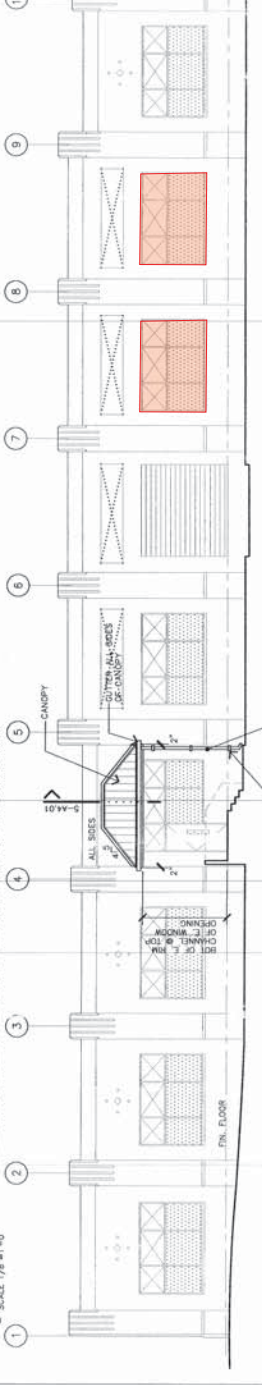
1 NORTH ELEVATION
SCALE 1/8"=1'-0"



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



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



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

7 EXT PAINT COLOR SCHEDULE
R.I.T.E.

| DESCRIPTION | MFR | COLOR | LOCATIONS |
|-------------|--------|--------------------|--|
| P-1 | PARKER | AMBER WAVE #P23M | E. CONG WALLS, E. CONG TOWER, E. CAB CANOPY FASCIA, E. STUCCO FASCIA, E. TOWER CONG WALLS, E. EXPANDED METAL SOFFITS, NEW CANOPY SOFFITS |
| P-2 | PARKER | OCRE RUST #P24S | TOP OF E. CONG WALLS BETWEEN COL'S |
| P-3 | PARKER | MATISSE BLUE #T02D | E. MTL PANELS, E. HM & STL PASSAGE, NEW MTL ROOF & FLASHINGS |

NOTES:
1. FINISH USE SCHEDULE PAINT. ALL EXTERIOR SURFACES UNLESS SPECIFICALLY INDICATED NOT TO RECEIVE PAINT.
2. PAINT COLORS NOT INDICATED SHALL BE SELECTED BY ARCHITECT.

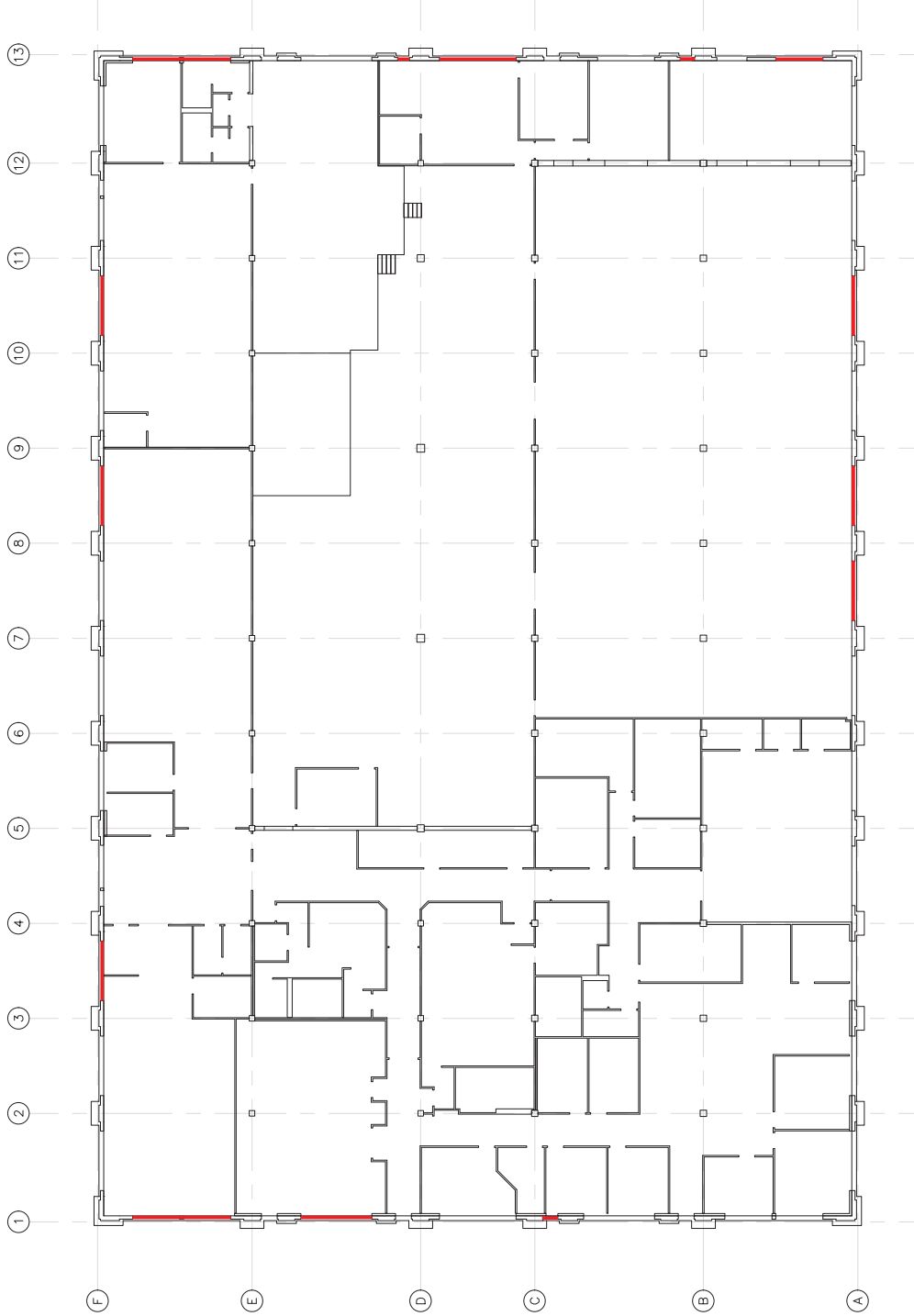
| | | |
|--------------------|----------------------|---|
| DATE: 11-2-2015 | SCALE: 1/8"=1'-0" | PROJECT: SEISMIC UPGRADE & REMODEL OF WATER DISTRIBUTION BUILDING |
| DRAWN: [Signature] | CHECKED: [Signature] | DESIGNED: [Signature] |
| INCHES: 1/8" | FEET: 1/8" | AS NOTED |
| REVISION: | DATE: | BY: |
| 1. [] | | |
| 2. [] | | |
| 3. [] | | |
| 4. [] | | |
| 5. [] | | |
| 6. [] | | |
| 7. [] | | |
| 8. [] | | |
| 9. [] | | |
| 10. [] | | |
| 11. [] | | |
| 12. [] | | |
| 13. [] | | |

CITY OF TACOMA
DEPARTMENT OF PUBLIC UTILITIES
WATER DIVISION

REGISTERED ARCHITECT
TACOMA, WA
[Signature]

AS NOTED
A3.01
SHEET 01

NEW EXTERIOR CONCRETE WINDOW INFILL LOCATIONS



GENERAL OVERALL FLOOR PLAN
SCALE: 1" = 1'-0"



| NO. | REVISION | DATE | BY | APPROVED | NO. COMPL. |
|------|----------|------|----|----------|------------|
| 6 | | | | | |
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | | | | | |
| 1 | | | | | |
| NONE | | | | | |

| | |
|---------|----------|
| DATE | AUG 2019 |
| DESIGN | |
| DRAWN | |
| CHECKED | |

| | |
|--------------------|------------------------------|
| NO. SHEET | 1 |
| SHEET PROJECT NAME | TACOMA WATER OPERATIONS BLDG |
| PROJECT NO. | 15-0000000000 |
| DATE | |
| DESIGNER | |
| DRAWN | |
| CHECKED | |

PROJECT FILE NO. 15-0000000000

APPROVED: _____
DESIGNED BY: _____

TACOMA WATER
TACOMA PUBLIC UTILITIES

TACOMA WATER OPERATIONS BUILDING
GENERAL OVERALL FLOOR PLAN

SCALE AS SHOWN
01-G-010
SHEET X OF X