CITY OF OCEANSIDE

PLANS FOR THE CONSTRUCTION OF:

511 PUMP STATION

100 % DESIGN

MAY 2020

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LOCATION MAP

VICINITY MAP

CITY OF OCEANSIDE
WATER UTILITIES DEPARTMENT

MAY 2020

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CITY OF OCEANSIDE
WATER UTILITIES DEPARTMENT

MAY 2020

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CITY OF OCEANSIDE
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WATER UTILITIES DEPARTMENT

MAY 2020

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CITY OF OCEANSIDE
WATER UTILITIES DEPARTMENT

MAY 2020

1 of 20
FOLLOWING NOTES ARE GENERAL AND APPLY TO ALL SHEETS OF THESE CONTRACT DOCUMENTS AS IF THEY WERE WRITTEN IN THE STATE OF CALIFORNIA. Pipelines and fittings installed by Contractor will be in accordance with the latest editions of the Title 8 California Building Code, 2018. All new systems that are tied into the City's existing system.

CONTRACTOR SHALL WORK WITHIN CONSTRUCTION LIMITS.

CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION CONTROL PLAN (PREPARED BY A CALIFORNIA REGISTERED CIVIL ENGINEER) TO THE CITY OF OCEANSIDE WATER UTILITIES DEPARTMENT FOR PREPARATION AND REVIEW BY THE DISTRICT'S ENVIRONMENTAL SPECIALIST.

WATER POLLUTION NOTES

1. CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION CONTROL PLAN PREPARED BY A CALIFORNIA REGISTERED CIVIL ENGINEER. FOR WORK DURING CONSTRUCTION CONFORMING TO THE NFPS PERMIT REQUIREMENTS AND THE CITY'S EXISTING SYSTEM.

2. ALL REQUIREMENTS OF THE COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS WATER QUALITY POLICY AND PROGRAM AND THE STATE OF CALIFORNIA, OCEANSIDE WATER, SEWER, AND RECLAIMED WATER DESIGN AND CONSTRUCTION MANUAL; OCEANSIDE ENGINEERS DESIGN AND PROCESSING MANUAL; OCEANSIDE ENGINEERS DESIGN AND CONSTRUCTION MANUAL; OCEANSIDE WATER ENGINEERS DESIGN AND CONSTRUCTION MANUAL; SAN DIEGO REGULAR AREA STANDARD DRAWINGS (SERIES) AND STANDARD SPECIFICATIONS FOR THE CITY OF OCEANSIDE WATER, SEWER, AND RECLAIMED WATER DESIGN AND CONSTRUCTION MANUALS.

3. ALL METALS PLACED IN THE GROUND SHALL BE ENCASED IN 6 INCHES OF NEUTRAL SAND.

4. PIPE BEDDING AND TRENCH BACKFILL SHALL CONFORM TO SAN DIEGO REGIONAL ORDINANCE.

5. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE PROJECT. ALL PERMITS REQUIRED BY LAW SHALL BE ACQUIRED BY CONTRACTOR BEFORE THE START OF ANY WORK.

6. REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED BY CONTRACTOR ON PERMANENT APPENDIX OF THE CITY OF OCEANSIDE "WATER, SEWER, AND RECLAIMED WATER DESIGN AND CONSTRUCTION" MANUAL. ALL TESTING WILL BE SUCCESSFULLY COMPLETED BEFORE THE PERIOD BETWEEN 7:00 A.M. AND 4:00 P.M. MONDAY THROUGH FRIDAY; AND, NO EARTH MOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON WEDNESDAY AND THURSDAY, AND WILL BE CONFINED TO NORMAL WORKING HOURS.

7. THE CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION CONTROL PLAN FOR THE GUIDELINE TITLED, "WATER, SEWER, AND RECLAIMED WATER DESIGN AND CONSTRUCTION" MANUAL.

8. LOCATION AND ELEVATION OF EXISTING WATER FACILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS AND EXCAVATION EXPLORATION HOLE BY HOLE BY THE CONTRACTOR.

9. CONSTRUCTION EXPANSION JOINTS IN CURB AND SIDES AT RETURNING POINTS AT 90 DEGREES TO ALL TRAVEL LINES SHALL BE ENCASED IN 6 INCHES OF NEUTRAL SAND. ALL REQUIREMENTS OF THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD WITH ALL REQUIREMENTS OF THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD WITH CITY OF OCEANSIDE STANDARD DRAWING T-3 AND THE STATE OF CALIFORNIA, OCEANSIDE ENGINEERS MANUAL.

10. ALL GROOVED PIPE THREADS SHALL BE COATED WITH NON-OXIDE GREASE PRIOR TO INSTALLATION. APPLY A STANDARD FIENDING TO THE THREADS. BURIED SERVICE VALVES, VALVE CANE, AND PIPING FITTINGS, AND APPLICAPIONS WILL BE WRAPPED FOR TFIELD TO THE GUIDELINE TITLED, "WATER, SEWER, AND RECLAIMED WATER DESIGN AND CONSTRUCTION" MANUAL.

11. THE INSPECTOR SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY SOIL TESTING, TO ALLOW TIME FOR THE INSPECTOR TO PERFORM THE INSPECTION.

12. PIPE INSTALLED AND TRENCH BACKFILL SHALL CONFORM TO SAN DIEGO REGIONAL, STANDARD DRAWING S-4 EXCEPT THE SECTION FOR THE LISTED DOWNSPOUTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT AREAS AFFECTED BY THE CONTRACTOR.

13. ALL FITTINGS AND SERVICES SHALL BE ENCASED WITH A MINIMUM OF SIX (6) INCHES OF NEUTRAL SAND, UNLESS OTHERWISE DIRECTED. THE CONTRACTOR'S APPROPRIATE TRAFFIC CONTROL PLAN.

14. PIPE INSTALLED INSPECTION, Tests, and Certification shall be in accordance with the city of oceanside's water, sewer, and reclaimed water design and construction manual.

15. ANY INSPECTION TO ARRANGE FOR INSPECTION, CALL THE WATER UTILITIES DEPARTMENT. A REDUCED PRESSURE PRINCIPLE ASSEMBLY (RP ASSEMBLY) SHALL BE INSTALLED ON THE PREMISES IN ACCORDANCE WITH THE CITY OF OCEANSIDE WATER, SEWER, AND RECLAIMED WATER DESIGN AND CONSTRUCTION MANUAL.

16. PIPE INSTALLATION: THE INSIDE AND OUTSIDE OF THE PIPE SHALL BE CLEAN AND FREE FROM STONES, CLODS, AND OTHER DELETERIOUS MATERIALS.

17. PIPE INSTALLATION: THE INSIDE AND OUTSIDE OF THE PIPE SHALL BE CLEAN AND FREE FROM STONES, CLODS, AND OTHER DELETERIOUS MATERIALS.

18. WATER QUALITY TESTS SHALL INCLUDE BACTERIOLOGICAL (BT) AND GENERAL PHYSICAL (GP) TESTING. ALL TESTING WILL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE WATER SYSTEM CONSTRUCTION AND INSTALLATION (SERIES) AND STANDARD SPECIFICATIONS FOR THE CITY OF OCEANSIDE WATER, SEWER, AND RECLAIMED WATER DESIGN AND CONSTRUCTION MANUALS."
PIPE SCHEDULE

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SIZE (DIAMETER)</th>
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<th>FITTINGS</th>
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<td>STEEL IRON, AWAY, C505, RCS, CEMENT MORTAR</td>
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VALVE SCHEDULE

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<th>VALVE TYPE</th>
<th>SIZE (INCHES)</th>
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<td>STEEL IRON</td>
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PUMP SCHEDULE

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<th>DESCRIPTION</th>
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<td>PUMP STATION, PUMP NO. 1</td>
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<td>1,994</td>
<td>125</td>
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EQUIPMENT SCHEDULE

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<th>HEAD (FT)</th>
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OTHER APPURTENANCES

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WINDOW / SKYLIGHT SCHEDULE

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<td>AJ105 / A</td>
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DOOR SCHEDULE

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<td>FIXED WINDOW</td>
<td>STEEL ASTM A307, GRADE B</td>
<td>AJ105 / A</td>
<td>ELECTRONIC, LED INDICATOR, FIXED WINDOW, CONTINUOUS SEALANT ON JAMB, SILL AND HEAD</td>
</tr>
<tr>
<td>FIXED WINDOW</td>
<td>ALUMINUM</td>
<td>AJ109 / D</td>
<td>ELECTRONIC, LED INDICATOR, FIXED WINDOW, CONTINUOUS SEALANT ON JAMB, SILL AND HEAD</td>
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ADDITIONAL INFORMATION

1. THE INFORMATION INCLUDED IN THESE SCHEDULES IS FOR THE CONTRACTOR'S CONVENIENCE ONLY. DRAWINGS (PLANS, SECTIONS, SCHEMATICS) AND SPECIFICATIONS ARE THE CONTRACTOR'S BASE FOR DETERMINING THE NUMBER, TYPE, AND SIZE OF EQUIPMENT TO BE FURNISHED AND INSTALLED.

2. ALL BOLTS AND NUTS FOR ABOVE-GROUND INSTALLATIONS SHALL BE STAINLESS STEEL. INDUSTRIAL GRADE 8 BOLTS AND NUTS ARE PROHIBITED. ALL BOLTS, NUTS, SCREWS, AND WASHERS FOR ABOVE-GROUND SERVICES SHALL BE TYPE 316 STAINLESS STEEL.

3. FLANGES ON DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO NAMAS3210/1 SHAVING 3210 CLASS 125. SCREWED FLANGES SHALL BE OF 250 PSI FOR 12-INCH AND SMALLER, AND 250 PSI FOR 14-INCH TO 48-INCH DIAMETER PIPE.

4. USE OF FLEXIBLE COUPLINGS ARE NOT ALLOWED.

CITY OF OCEANSIDE WATER UTILITIES DEPARTMENT

GENERAL NOTES

1. THE INFORMATION INCLUDED IN THESE SCHEDULES IS FOR THE CONTRACTOR'S CONVENIENCE ONLY. DRAWINGS (PLANS, SECTIONS, SCHEMATICS) AND SPECIFICATIONS ARE THE CONTRACTOR'S BASE FOR DETERMINING THE NUMBER, TYPE, AND SIZE OF EQUIPMENT TO BE FURNISHED AND INSTALLED.

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4. USE OF FLEXIBLE COUPLINGS ARE NOT ALLOWED.
1. PIPELINE AND PUMP STATION LAYOUT OBTAINED FROM THE CITY OF OCEANSIDE 30% DESIGN PACKAGE.

2. SURGE TANK SHOWN IS PART OF THE ORIGINAL DESIGN TO UPGRADE FLOW CAPACITY. DESIGN DETAILS NOT INCLUDED IN THIS PLAN SET.

3. STANDBY GENERATOR SPECIFIED AS KOHLER POWER SYSTEMS MODEL 750REOZMB 750 KW CAPACITY.
GENERAL NOTES
1. NERO CONSULTANTS is to notify the San Diego Gas and Electric Company prior to start of work.
2. NERO CONSULTANTS is to notify the City of Oceanside Inspection Department 48 hours prior to start of work (Call 760-435-5081).
3. NERO CONSULTANTS will obtain a right of way permit from the City of Oceanside prior to start of work.
4. For location of any utilities, contact Underground Service Alert.
5. All utilities indicated on this drawing are based on filed research, as-built drawings and original construction drawings. NERO Consultants will pothole to verify the size, material and inclination of any existing utilities prior to installation work.
6. All water facility locations shall be confirmed by NERO Consultants by pot holing.
7. NERO Consultants will notify Dig Alert two (2) working days prior to excavation in order to mark water facilities in the field.
NOTES:

1. PIPELINE AND PUMP STATION LAYOUT OBTAINED BY THE CITY OF OCEANSIDE 20 PERCENT DESIGN FILE.
   
   1.1. Vertical and horizontal location, and extent of all existing and proposed facilities, topography, property lines, and grades shown on these plans are approximate and are intended to convey the general intent of the project. There may be existing facilities not shown on these plans, above and/or below grade, which may exist. Design/Bidder is responsible for records research and field verification of all existing conditions and improvements during construction. Field verification is at the Design/Bidder’s expense, and Site is by whatever means necessary, including but not limited to records research, inspection, field survey, and photodlogging. Design/Bidder is responsible for plotting/accurate mapping of existing facilities and proposed improvements during design and for post-construction record drawings. Which shall accompany all drawings submitted for all new work. Design/Bidder shall verify all existing public utilities, sewer, storm drain, and other facilities on the basis of survey to be field verified by the Design/Bidder as described on these plans.

2. ALL PIPE JOINTS SHALL BE RESTRIED.

3. CITY SHALL BE RESPONSIBLE FOR OBTAINING TEMPORARY EASEMENT. DESIGN/BIDDER TO CONFORM WITH CITY TEMPORARY EASEMENT HAS BEEN OBTAINED.

4. CONTRACTOR SHALL CONTACT CPWD TO COORDINATE FHWA-HWY AND ACCEPTANCE OF PROPOSED PIPELINE DESIGN DOCUMENTS AND CONSTRUCTION SCHEDULE PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
PLAN AND PROFILE
STA 24+89.91 TO 30+00.00

100% DESIGN 511 PUMP STATION

C-08

5/10/2020

CITY OF OCEANSIDE
WATER UTILITIES DEPARTMENT

NOTES:
1. PIPELINE AND PUMP STATION LAYOUT OBTAINED BY THE CITY OF OCEANSIDE 35 PERCENT DESIGN

2. THE SIZE, VERTICAL AND HORIZONTAL LOCATION, AN EXTENT OF ALL EXISTING AND PROPOSED FACILITIES, TOPOGRAPHY, PROPERTY LINES, AND GROUNDS SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE INTENDED TO CONVEY THE GENERAL INTENT OF THE PROJECT. THERE MAY BE EXISTING FACILITIES NOT SHOWN ON THESE PLANS, ABOVE AND/OR BELOW GRADE, WHICH MAY AFFECT DESIGN/BUILDER.

3. RESPONSIBLE FOR RECORDS RESEARCH AND FIELD VERIFICATION OF ALL PRINTING ERRORS AND ERRORS.

4. CONTRACTOR SHALL COORDINATE PIPING DESIGN DOCUMENTS AND CONSTRUCTION SCHEDULE PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

5. ALL PIPE JOINTS SHALL BE Restrained

6. CITY SHALL BE RESPONSIBLE FOR OBTAINING TEMPORARY EASEMENT. DESIGN/BUILDER TO CONFORM WITH CITY EASEMENT HAS BEEN OBTAINED.

7. CONTRACTOR SHALL CONTACT PUD TO COORDINATE PIPING DESIGN DOCUMENTS AND CONSTRUCTION SCHEDULE PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

CITY OF OCEANSIDE
WATER UTILITIES DEPARTMENT

410.48 LF OF 18" DIP CL52 - ALL JOINTS Restrained

PROPOSED 18" WATER
GENERAL NOTES
1. PIPE BEDDING AND TRENCH BACKFILL SHOULD CONFORM TO SAN DIEGO REGIONAL STANDARD DRAWING WP-2 (SDRSD).
2. COMPACTION OF MATERIAL SHALL BE 95%.
3. ACCORDING TO SDRSD, PIPE SHALL REST ON 6 INCH MINIMUM OF CLEAN SAND.
4. GRADE 3 TO 5 FEET SURFACE TO REMOVE LOOSE FILL.

Backfill Material at 95% Compaction

Fill with clean sands 24" below base of pipe
1. PIPELINE AND PUMP STATION LAYOUT OBTAINED BY THE CITY OF OCEANSIDE 30 PERCENT DESIGN PACKAGE.
2. SAWCUT EXISTING 18-INCH OPENING TO PROVIDE 24-INCH NEW OPENING.
3. ALL EXPOSED REINFORCE DUE TO SAWCUTTING MUST BE PATCHED WITH EXPoxy.

KEY NOTES
- 10-INCH SWING CHECK VALVE
- 10-INCH BUTTERFLY VALVE
- PRESSURE TRANSMITTER
- PRESSURE GAUGE
- VICTAULIC COUPLING
- 18-INCH DUCTILE IRON PIPE
- 18-INCH DUCTILE IRON DISCHARGE HEADER
- 18-INCH DUCTILE IRON TEE
- 18-INCH BUTTERFLY VALVE
- 18-INCH 90 DEGREE DUCTILE IRON BEND
- 18-INCH DUCTILE IRON REDUCER
- 12-INCH DUCTILE IRON PIPE
- 12-INCH FLANGED MAGNETIC FLOW METER
- VFD
- GALVANIZED PIPE SUPPORT
- CONCRETE BAFFLE WALLS
- CONCRETE MASONRY UNIT

EQUIPMENT TAG NUMBERS
- VERTICAL TURBINE PUMP NO. 1
- VERTICAL TURBINE PUMP NO. 2
- VERTICAL TURBINE PUMP NO. 3
- VARIABLE FREQUENCY DRIVE NO. 1
- VARIABLE FREQUENCY DRIVE NO. 2
- VARIABLE FREQUENCY DRIVE NO. 3

10-INCH SWING CHECK VALVE
10-INCH BUTTERFLY VALVE
PRESSURE TRANSMITTER
PRESSURE GAUGE
VICTAULIC COUPLING
18-INCH DUCTILE IRON PIPE
18-INCH DUCTILE IRON DISCHARGE HEADER
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18-INCH DUCTILE IRON REDUCER
12-INCH DUCTILE IRON PIPE
12-INCH FLANGED MAGNETIC FLOW METER
VFD
GALVANIZED PIPE SUPPORT
CONCRETE BAFFLE WALLS
CONCRETE MASONRY UNIT

100% DESIGN 511 PUMP STATION
MECHANICAL PLAN
M - 01

CITY OF OCEANSIDE WATER UTILITIES DEPARTMENT
5/10/2020

NETO CONSULTANTS

1/2" = 1' 0"
GENERAL NOTES
1. PIPELINE AND PUMP STATION LAYOUT OBTAINED BY THE CITY OF OCEANSIDE 30 PERCENT DESIGN PACKAGE.
2. SAWCUT EXISTING 18-INCH OPENING TO PROVIDE 24-INCH NEW OPENING.
3. ALL EXPOSED REINFORCE DUE TO SAWCUTTING MUST BE PATCHED WITH EXPoxy.

KEY NOTES
- 10-INCH SWING CHECK VALVE
- 10-INCH BUTTERFLY VALVE
- PRESSURE TRANSMITTER
- PRESSURE GAUGE
- VICTAULIC COUPLING
- 10-INCH DUCTILE IRON PIPE
- 18-INCH DUCTILE IRON DISCHARGE HEADER
- CAV
- GALVANIZED PIPE SUPPORT
- CONCRETE BATTLE WALLS
- CONCRETE MASONRY UNIT

EQUIPMENT TAG NUMBERS
1. VERTICAL TURBINE PUMP NO. 3
   PMP-511-03
2. 10-INCH BUTTERFLY VALVE
3. PRESSURE TRANSMITTER
4. PRESSURE GAUGE
5. VICTAULIC COUPLING
6. 10-INCH DUCTILE IRON PIPE
7. 18-INCH DUCTILE IRON DISCHARGE HEADER
8. CAV
9. GALVANIZED PIPE SUPPORT
10. CONCRETE BATTLE WALLS
11. CONCRETE MASONRY UNIT
**GENERAL NOTES**

1. PIPELINE AND PUMP STATION LAYOUT OBTAINED BY THE CITY OF OCEANSIDE 30 PERCENT DESIGN PACKAGE.
2. DIMENSIONS ON PLAN ARE TAKEN FROM FACE OF BLOCK UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EQUIPMENT AND CABINET SIZES IN THE ELECTRICAL ROOM AND INSTALL PRIOR TO DOOR INSTALLATION IF NEEDED.
4. FINISHED FLOOR @ PUMP STATION AND ELECTRICAL ROOM = 42.0'.

**KEY NOTES**

- 511 ZONE PUMP EQUIPMENT (SEE MECHANICAL DWGS)
- 511 ZONE PIPING (SEE SECTIONAL)
- EXISTING 320 ZONE PUMP EQUIPMENT AND PIPING
- ACCESS HATCH
- INTERIOR FIXED WINDOW (SEE G-04 FOR SCHEDULE)
- WALL MOUNTED FIRE EXTINGUISHER
- ALUMINUM LADDER
- EXHAUST FAN (SEE MECHANICAL DWGS)
- WALL MOUNTED AC UNIT (SEE MECHANICAL DWGS)
- 4-INCH STEEL PROTECTION POST

**TAG NUMBERS**

- EXHAUST FAN NO. 1
- EXHAUST FAN NO. 2
- AIR CONDITION UNIT NO. 1
- WINDOW NO. 1
- WINDOW NO. 2
- WINDOW NO. 3
- WINDOW NO. 4
- WINDOW NO. 5
- DOOR NO. 1
- DOOR NO. 2
- DOOR NO. 3
- DOOR NO. 4

**CITY OF OCEANSIDE WATER UTILITIES DEPARTMENT**

**100% DESIGN 511 PUMP STATION**

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GENERAL NOTES
1. PIPELINE AND PUMP STATION LAYOUT OBTAINED BY THE CITY OF OCEANSIDE 30 PERCENT DESIGN PACKAGE.
2. DIMENSIONS ON PLAN ARE TAKEN FROM FACE OF BLOCK UNLESS OTHERWISE NOTED.
3. ALL GRID LIKE DIMENSIONS ARE TAKEN FROM FACE OF BLOCK WALL.
4. CONTRACTOR TO VERIFY EQUIPMENT AND CABINET SIZES IN THE ELECTRICAL ROOM AND INSTALL PRIOR TO DOOR INSTALLATION IF NEEDED.

KEY NOTES
- 511 ZONE PUMP EQUIPMENT (SEE MECHANICAL DWGS)
- 511 ZONE PIPING (SEE CIVIL / MECHANICAL DWGS)
- INTERIOR FIXED WINDOW (SEE G-04 FOR SCHEDULE)
- WALL MOUNTED AC UNIT (SEE MECHANICAL DWGS)
- WALL SYSTEM ACCESS HATCH (NOT SHOWN)
- KEEWALK ROOF TOP WALKWAY SYSTEM - DESIGN AND INSTALLED BY MANUFACTURERS CONTRACTOR

TAG NUMBERS
- VERTICAL TURBINE PUMP NO. 3
- VARIABLE FREQUENCY DRIVE NO. 3
- AIR CONDITION UNIT NO. 1
- WINDOW NO. 5
- DOOR NO. 3
- DOOR NO. 4
- 20 MINUTE FIRE RATING, REMOVABLE SKYLIGHT CENTERED BETWEEN EVERY TWO PUMPS (SEE G-04 FOR SCHEDULE)
- HOLLOW METAL DOOR AND FRAME (SEE G-04 FOR SCHEDULE)
- ELECTRICAL EQUIPMENT
- ALUMINUM LADDER
- HOLLOW METAL DOOR AND FRAME (SEE G-04 FOR SCHEDULE)
- WALL MOUNTED AC UNIT (SEE MECHANICAL DWGS)
- WALL SYSTEM ACCESS HATCH (NOT SHOWN)
- KEEWALK ROOF TOP WALKWAY SYSTEM - DESIGN AND INSTALLED BY MANUFACTURERS CONTRACTOR

ARCHITECTURAL SECTIONS
100% DESIGN 511 PUMP STATION
A - 04

NERO CONSULTANTS

C. Thornbury

5/10/2020

908122600715

1/3" = 1'-0"
GLASS AT INTERIOR DOORS SHALL BE CLEAR. GLASS AT EXTERIOR DOORS SHALL BE TINTED.

DOOR SIZE AND TYPE SHALL BE IN ACCORDANCE WITH DOOR AND HARDWARE SCHEDULE.

MASONRY VENEER

CONCRETE

2"

DOOR FRAME

GYPSUM BOARD

GLASS AT DOORS SHALL BE TEMPERED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

V

2"

A
-
B
-
C
-
MASONRY
METAL FRAMING WOOD FRAMING

AJ107
06/21/19
TYP

GYPSUM BOARD GYPSUM BOARD

JAMB ... 
DOOR FRAME

DOOR 
ANCHOR
COUNTERSUNK

(N O T E 2 )

5 3/4"

LINE OF THICKER WALL

DOOR - JAMB - DETAILS

AJ103
06/21/19
TYP

PANEL ONLY
TRANSOM
REMOVABLE
COILING METAL DOOR

F
G
N
V
D
A
C
T
(TYP)

6"

6" MIN

3'-8"

MAX

3'-0"

DOOR - ELEVATIONS - TYPES

ROOM FINISH SCHEDULE IN ACCORDANCE WITH 1/2" MIN

AJ105
AJ109
AJ103
A104

NOTES:

3.

WILL BE NOTED ON DOOR AND HARDWARE SCHEDULE.

5.

SEE DWGS FOR MASONRY TYPE (STD, SCORED, SPLIT FACE, ETC) AND WALL THICKNESS.

SEE DWGS FOR WALL INSULATION SYSTEM THICKNESS.

SEE STRUCT DWGS FOR LINTELS AND WALL REINFORCEMENT.

DOOR TYPE BELOW OUT TO VENEER,
SILL, PROJECT SOLID CMU 1"

~

WINDOW - SILL - DETAILS

~

3/4"

FRAME HEIGHT

FRONT AL STORE-
CAULK BOTH
SIDES
WINDOW OPNG
TYP BELOW OUT TO VENEER,
SILL, PROJECT SOLID CMU 1"

~

3/4"

FRAME HEIGHT

FRONT AL STORE-
CAULK BOTH
SIDES
WINDOW OPNG
TYP BELOW OUT TO VENEER,
SILL, PROJECT SOLID CMU 1"

~

3/4"

FRAME HEIGHT

FRONT AL STORE-
CAULK BOTH
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3/4"

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3/4"

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3/4"

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FRONT AL STORE-
CAULK BOTH
SIDES
WINDOW OPNG
TYP BELOW OUT TO VENEER,
SILL, PROJECT SOLID CMU 1"

~

3/4"

FRAME HEIGHT

FRONT AL STORE-
CAULK BOTH
SIDES
WINDOW OPNG
TYP BELOW OUT TO VENEER,
SILL, PROJECT SOLID CMU 1"
CITY OF OCEANSIDE
WATER UTILITIES DEPARTMENT

100% DESIGN 511 PUMP STATION

MISCELLANEOUS
TYPICAL DETAILS

AD - 03

C. Thornbury
5/10/2020
908122600715

FIRE EXTINGUISHER.
SEE SPECIFICATIONS
FOR SIZE AND TYPE.
FINISH FLOOR
ELEVATION
5'-0" MAX
WALL
FIRE ... AND SIZE OF ANCHORS TO MATCH BRACKET. USE 1.
NOTES:
AN400
TYP

SAN DIEGO REGIONAL STANDARD DRAWING
10/25/2018

NOTES:
1. INSTALL ALL PRE-ALIGNED RK 215 LADDER RINGS TO
   PROVIDE ORIENTATION POINTS FOR以後 MATERIALS AND
   INSTALLATION. (TYP)
2. INSTALL RINGS ON RAILINGS AT A MAXIMUM DISTANCE OF 12".
   (TYP)
3. INSTALL A 1" NON-SHRINK GROUT TO ANCHOR STRAPS AND
   INSTALLATION. (TYP)
4. INSTALL FALL PREVENTION SYSTEM WHERE HEIGHT OF LADDER EXCEEDS 24'-0".
5. INSTALL ALL PRE-ALIGNED RK 215 LADDER RINGS TO PROVIDE ORIENTATION POINTS FOR以後 MATERIALS AND
   INSTALLATION. (TYP)
6. INSTALL RINGS ON RAILINGS AT A MAXIMUM DISTANCE OF 12".
   (TYP)
7. INSTALL A 1" NON-SHRINK GROUT TO ANCHOR STRAPS AND
   INSTALLATION. (TYP)
8. INSTALL FALL PREVENTION SYSTEM WHERE HEIGHT OF LADDER EXCEEDS 24'-0".

SAN DIEGO REGIONAL STANDARD DRAWING
10/25/2018

NOTES:
1. INSTALL ALL PRE-ALIGNED RK 215 LADDER RINGS TO PROVIDE ORIENTATION POINTS FOR以后 MATERIALS AND
   INSTALLATION. (TYP)
2. INSTALL RINGS ON RAILINGS AT A MAXIMUM DISTANCE OF 12". (TYP)
3. INSTALL A 1" NON-SHRINK GROUT TO ANCHOR STRAPS AND INSTALLATION. (TYP)
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   INSTALLATION. (TYP)
6. INSTALL RINGS ON RAILINGS AT A MAXIMUM DISTANCE OF 12". (TYP)
7. INSTALL A 1" NON-SHRINK GROUT TO ANCHOR STRAPS AND INSTALLATION. (TYP)
8. INSTALL FALL PREVENTION SYSTEM WHERE HEIGHT OF LADDER EXCEEDS 24'-0".
PROJECT SITE:
251 FIRESIDE DRIVE
OCEANSIDE, CA
92058

STAGE 3:
TIE IN POINT; RIGHT SIDE OF FOUSSAT RD TO EXISTING 24" PIPE

Phase 1:
PLACEMENT OF NEW 18" PIPE (STARTING HERE)

STAGE 3:
INSTALLATION OF PUMPS AND GENERATOR

WORK FLOW OF PLACING PIPELINE

STAGE 3:
TIE IN POINT; RIGHT SIDE OF FOUSSAT RD TO EXISTING 24" PIPE
NOTES:
1. 1" CONDUIT TO ACCESSIBLE CEILING OR CABLE TRAY.
2. 6" H x 6" W x 4" D LOCKABLE NEMA 4 ENCLOSURE WITH CONTINUOUS HINGE SURFACE MOUNTED ON ROOF SIDE OF THE PARAPET.
3. 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT.
4. CCTV CAMERA, ENCLOSURE, MOUNT AND MOUNTING AND SUPPORT HARDWARE AS REQUIRED BY THE MANUFACTURER.
5. PARAPET WALL.