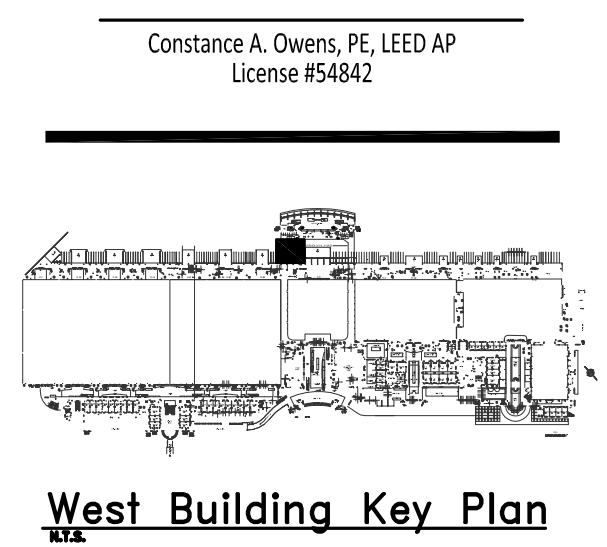


ORANGE COUNTY CONVENTION WEST BUILDING GREASE TRAP REPLACEMENT



Revisions

No.	Date	Description
1	7/21/15	ADDENDUM #1

MPE PROJ#: 2014-140
 Designed By: CAO
 Drawn By: CAO
 Checked By: CAO
 Issue Date: 07/21/15
 Drawing Scale: AS SHOWN
 Drawing Title:

UTILITY PLAN
 BID DOCUMENTS
 Drawing No. **C-400**

SITE UTILITY NOTES

- THE LOCATION OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC. AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. BE ADVISED THAT THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY COMPANIES FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION IN ORDER TO HAVE THE UTILITIES MARKED AND LOCATED IN THE FIELD PRIOR COMMENCEMENT OF ANY WORK.
- WHERE APPLICABLE UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIAL IN TWELVE INCH (12") LAYERS AND COMPACTED TO NINETY-EIGHT PERCENT (98%) MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
- ALL UNSUITABLE MATERIALS UNDER WATER PIPES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL COMPACTED TO NINETY-EIGHT PERCENT (98%) OF ITS MAXIMUM DENSITY AT TWO PERCENT (2.0%) MORE OR LESS OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557).
- ANY DAMAGE TO UNDERGROUND UTILITIES AND/OR STRUCTURES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL INSTALL ALL WATER AND SEWER LINES AND SERVICES AT A MINIMUM OF THIRTY-SIX INCHES (36") BELOW FINISHED GRADE TO TOP OF PIPE UNLESS INDICATED OTHERWISE ON THE PLANS.
- ALL MATERIALS AND CONSTRUCTION ARE TO BE IN ACCORDANCE WITH CITY, STATE, AND COUNTY STANDARDS AND SPECIFICATIONS.
- ALL SANITARY SEWER GRAVITY PIPE SHALL BE POLYVINYL CHLORIDE (PVC) CONFORMING TO ASTM-3034, SDR 35 AND BE INSTALLED IN ACCORDANCE WITH ASTM D-2321.
- SANITARY SEWER PRESSURE PIPE SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE CONFORMING TO AWWA C900 WITH DIMENSION RATIO (DR) OF TWENTY FIVE (25) AND A MINIMUM PRESSURE CLASS OF ONE HUNDRED POUNDS PER SQUARE INCH (100 P.S.I.).
- WHERE APPLICABLE, SIX INCH (6") POLYVINYL CHLORIDE SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF ONE PERCENT (1.0%) AND FOUR INCH (4") POLYVINYL CHLORIDE SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF TWO PERCENT (2.0%).
- WATER SERVICE PIPE SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE CONFORMING TO AWWA C900 WITH DIMENSION RATIO (DR) OF EIGHTEEN (18) AND A MINIMUM PRESSURE CLASS OF ONE HUNDRED FIFTY POUNDS PER SQUARE INCH (150 P.S.I.).
- ALL WATER PIPE SHALL BE DISINFECTED AND HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARDS C651, C600 OR M23 FOR POLY VINYL CHLORIDE AND COUNTY SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE AT HIS EXPENSE, ALL NECESSARY TESTING EQUIPMENT, PRESSURE GAUGES, WATER METERS AND FACILITIES REQUIRED FOR PRESSURE AND LEAKAGE TESTING.
- FULLY RESTRAINED DUCTILE IRON PIPING SHALL BE USTR FLEX OR APPROVED EQUAL.
- PVC JOINT RESTRAINT SHALL BE UNI-FLANGE SERIES 1350 OR APPROVED EQUAL.
- SITE LIGHTING SHALL BE INSTALLED AS TO NOT ILLUMINATE OR SHADOW ADJACENT PROPERTIES.
- ALL "ON-SITE" WATER AND SANITARY SEWER IMPROVEMENTS SHALL BE INSTALLED AND MAINTAINED BY THE OWNER IN CONFORMANCE WITH THE LOCAL UTILITY PROVIDER. ALL "OFFSITE" WATER AND SANITARY SEWER IMPROVEMENTS (IF APPLICABLE) SHALL BE INSTALLED BY THE OWNER AND MAINTAINED BY THE LOCAL UTILITY PROVIDER.
- CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN OUTS, MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
- ELECTRICAL, TELEPHONE, GAS AND CABLE TELEVISION SERVICE WILL BE PROVIDED BY THE APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL COORDINATE LOCATIONS AND SERVICES FOR THESE UTILITIES WITH THE ENTITIES INVOLVED.
- THE ON-SITE WASTEWATER COLLECTION SYSTEM SHALL BE PRIVATELY OWNED AND MAINTAINED.
- THE CONTRACTOR SHALL NOTIFY THE ORANGE COUNTY UTILITIES DEPARTMENT FORTY-EIGHT (48) HOURS PRIOR TO START OF ANY UTILITIES CONSTRUCTION.
- ALL PROPOSED UTILITIES CONSTRUCTION THAT WILL BE CONNECTING TO THE OCU WATER AND WASTEWATER SYSTEMS SHALL CONFORM TO THE ORANGE COUNTY MANUAL OF STANDARDS AND SPECIFICATIONS FOR WASTEWATER AND WATER MAIN CONSTRUCTION, LATEST EDITION.

EMERGENCY WASTEWATER AND WATER MAIN BREAK PROCEDURES:

- EXCAVATE CAUTIOUSLY:**
THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN PROXIMITY OF WASTEWATER FORCE MAINS AND GRAVITY SEWERS. FORCE MAIN AND SEWER LOCATIONS SHOWN ON PLANS ARE NOT EXACT OR GUARANTEED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION.
- TELEPHONE NOTIFICATION:**
THE ORANGE COUNTY DISPATCH OPERATION SHALL BE GRAVITY SEWER OR WATER MAIN BREAK DAMAGE AT 407-254-9798.
- REPAIR IMMEDIATELY:**
ALL DAMAGE TO ORANGE COUNTY'S MAINS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE IF THE REPAIR IS NOT MADE IN A TIMELY MANNER, AS DETERMINED BY THE ORANGE COUNTY UTILITIES INSPECTOR. ORANGE COUNTY MAY PERFORM REPAIRS AND THE CONTRACTOR WILL BE CHARGED FOR REPAIRS.
- ORANGE COUNTY UTILITIES DEPARTMENT GENERAL:**
ORANGE COUNTY UTILITIES CONSTRUCTION INSPECTION SECTION 407-254-9798.
ORANGE COUNTY UTILITIES ENGINEERING DIVISION 407-254-9680.
- ADVANCED NOTIFICATION OF CONSTRUCTION:**
THE ORANGE COUNTY UTILITIES CONSTRUCTION SECTION (407-254-9798) SHALL BE NOTIFIED AT LEAST 7 DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY.
- ADVANCED NOTIFICATION OF PENDING CONNECTION:**
THE ORANGE COUNTY WATER DIVISION (407-254-9768) AND THE ORANGE COUNTY WASTEWATER DIVISION (407-254-9680) SHALL BE NOTIFIED AT LEAST (7) DAYS IN ADVANCE TO SCHEDULE MAIN TIE-INS AND VALVE OPERATION.
- OPERATION OF ORANGE COUNTY VALVES:**
WATER, WASTEWATER, AND REUSE VALVES ARE TO BE OPERATED ONLY BY ORANGE COUNTY UTILITIES INSPECTOR (836-7274). ALL VALVES BEING INSTALLED ARE TO REMAIN CLOSED DURING CONSTRUCTION.
- OPERATION OF ORANGE COUNTY PUMP STATIONS:**
THE CONTRACTOR SHALL COORDINATE ALL PUMP STATION OPERATION AND SHUT DOWN WITH THE ORANGE COUNTY UTILITY INSPECTOR (407-254-9798).

APPENDIX A STANDARD DRAWINGS GENERAL

DATE: February 11, 2011
SEPARATION REQUIREMENTS FOR WATER, WASTEWATER AND RECLAIMED WATER MAINS FIGURE A116

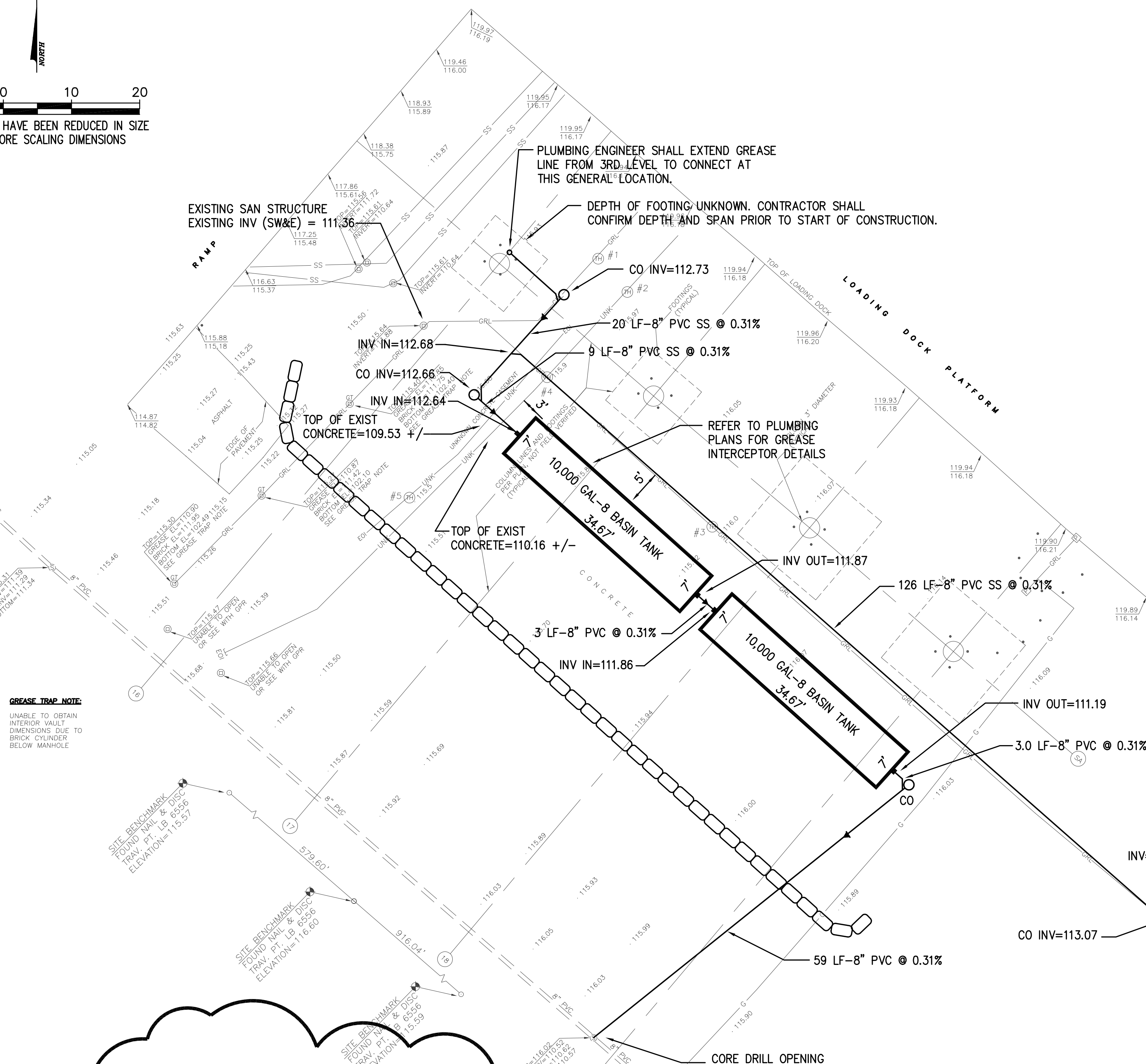
PROPOSED UTILITY	HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS							
	POTABLE WATER		RECLAIMED WATER		WASTEWATER (GRAVITY & FM)		STORM SEWER	
	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT
POTABLE WATER	3'	12"	3'	12"	6'	12"	3'	12"/18"
	NOTE 1		NOTE 1 & 3	NOTE 3	NOTE 3	NOTE 3	NOTE 1 & 3	NOTE 2 & 3
RECLAIMED WATER	3'	12"	3'	12"	3'	12"	3'	12"/18"
	NOTE 1 & 3	NOTE 3	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 2
WASTEWATER (GRAVITY AND FM)	6'	12"	3'	12"	3'	12"	3'	12"/18"
	NOTE 3	NOTE 3	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 2
RIGHT OF WAY	3'	N/A	3'	N/A	3'	N/A	N/A	N/A
	NOTE 1		NOTE 1		NOTE 1			

- NOTES:
- THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTHS, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
 - THE 18-INCH SEPARATION REQUIREMENT APPLIES WHEN THE STORM PIPE CROSSES ABOVE THE OCU MAIN, AND WHEN THE STORM PIPE HAS A DIAMETER EQUAL TO OR GREATER THAN 24 INCHES. OTHERWISE, THE REQUIRED SEPARATION IS 12 INCHES.
 - THIS SEPARATION REQUIREMENT COMPLIES WITH MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND OCU.
 - DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
 - NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.



NOTES PERTAINING TO AIR QUALITY CONTROL MEASURES

- NO PERSON SHALL CAUSE, LET, SUFFER, ALLOW, OR PERMIT THE EMISSIONS OF UNCONFINED PARTICULATE MATTER FROM ANY ACTIVITY, INCLUDING VEHICULAR MOVEMENT; TRANSPORTATION OF MATERIALS; CONSTRUCTION, ALTERATION, DEMOLITION OR WRECKING; OR INDUSTRIALLY RELATED ACTIVITIES SUCH AS LOADING, UNLOADING, STORING, OR HANDLING; WITHOUT TAKING REASONABLE PRECAUTIONS TO PREVENT SUCH EMISSIONS.
- REASONABLE PRECAUTIONS TO PREVENT SUCH EMISSIONS ARE LISTED IN THE ORANGE COUNTY CODE. REFER TO ORANGE COUNTY CODE CHAPTER 15: ENVIRONMENTAL CONTROL, ARTICLE III - AIR QUALITY CONTROL, 15-89.1 (b).



GREASE TRAP NOTE:
 UNABLE TO OBTAIN INTERIOR WALL DIMENSIONS DUE TO BRICK COLUMNS BELOW MANHOLE

1. FOR CONCRETE PAVEMENT REPLACEMENT DESIGN AND SPECIFICATIONS, REFER TO SHEET S-101.

2. REFER TO SUBSURFACE SOILS INVESTIGATION AND GEOTECHNICAL ENGINEERING EVALUATION REPORT PREPARED BY ARDAMAN & ASSOCIATES DATED JULY 17, 2015 FOR SEASONAL HIGH WATER TABLE AND SUBSURFACE SOILS CONDITIONS.

3. THE CONTRACTOR SHALL USE TRENCH BOX METHOD FOR INSTALLATION OF GREASE TRAPS AND SANITARY SEWER PIPING SHOWN ON THESE PLANS. ALTERNATIVE METHODS PROPOSED BY THE CONTRACTOR SHALL BE CONSIDERED. ALTERNATIVE METHODS SHALL BE SUBMITTED IN WRITING FOR REVIEW AND APPROVAL BY THE OWNER AND EOR.

4. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL FIRE MARSHAL AS NECESSARY FOR ALTERNATIVE MEANS OF FIRE SAFETY ACCESS FOR THE DURATION OF CONSTRUCTION ACTIVITIES.

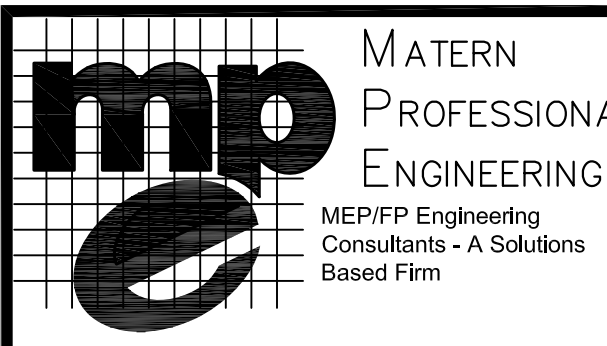
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**Civil Engineering
Design Studio, Inc.**

P.O. Box 520062
Longwood, Florida 32752-0062
Ph: 407-488-9456 Fax: 407-641-9993

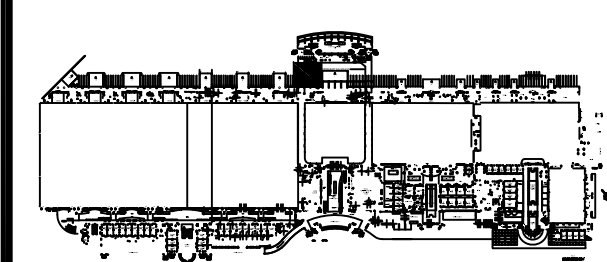
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MEPFP Engineering Consultants - A Solutions Based Firm
ORLANDO | Fort Myers | Jacksonville | Tampa
Matern Professional Engineering, Inc.
130 Candace Drive
Maitland, FL 32751-3331
PHONE (407) 740-5000 FAX (407) 740-0365
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ORANGE COUNTY CONVENTION WEST BUILDING GREASE TRAP REPLACEMENT

CARL W. JENNE, PE 54036

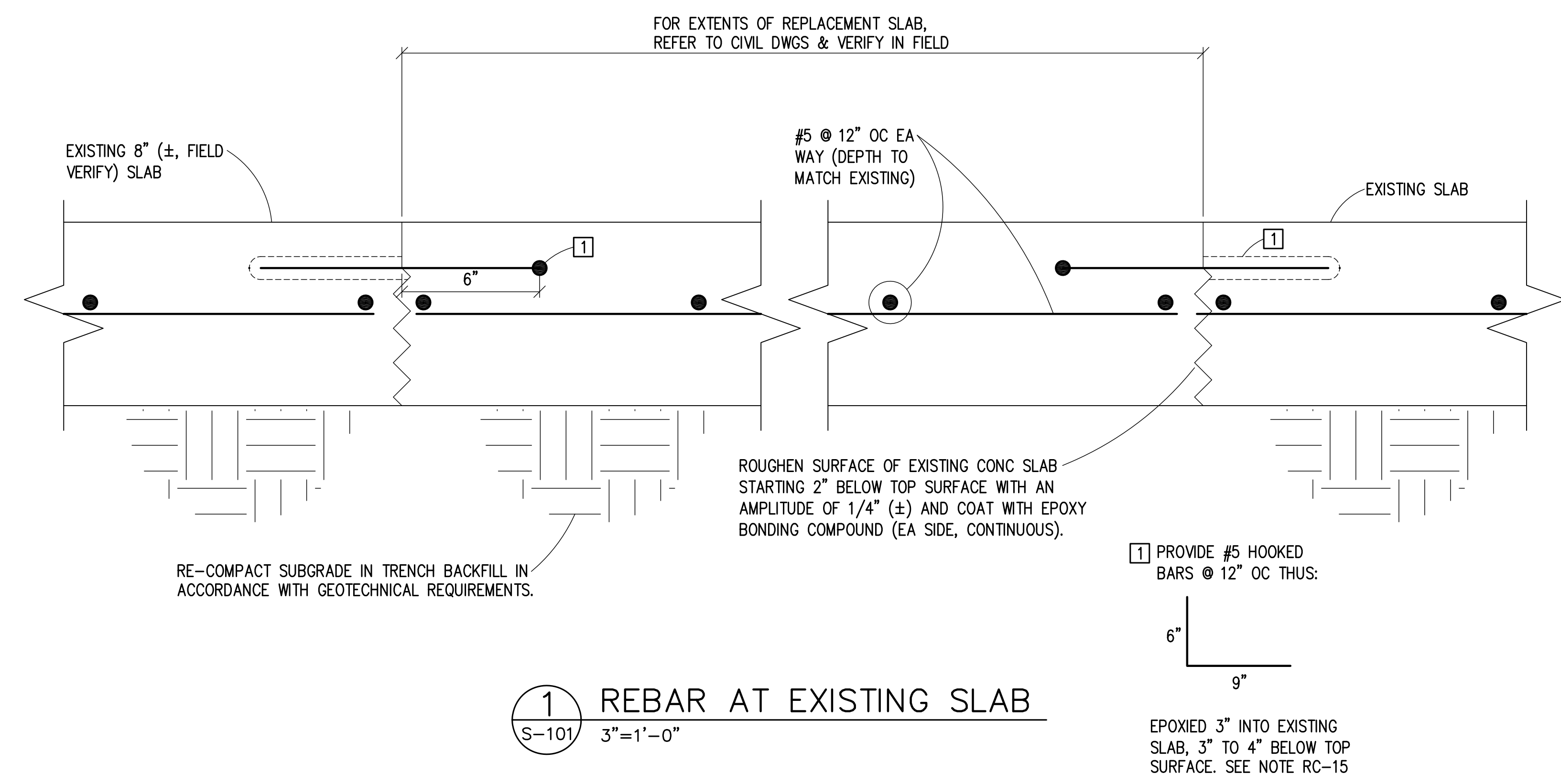


West Building Key Plan

REINFORCED CONCRETE

- RC-1 ALL CONCRETE DESIGN AND PLACEMENT SHALL BE IN STRICT ACCORDANCE WITH THE ACI "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE," ACI 318.
- RC-2 STRUCTURAL CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- RC-3 USE REGULAR WEIGHT CONCRETE. SUBMIT DESIGN MIX FOR REVIEW PRIOR TO PLACEMENT OF CONCRETE. ALL MIX DESIGNS SHALL CLEARLY INDICATE INTENDED USE AND LOCATION.
- RC-4 STRUCTURAL CONCRETE SHALL CONFORM TO ACI 301 AND HAVE THE FOLLOWING SLUMPS & AGGREGATE REQUIREMENTS:

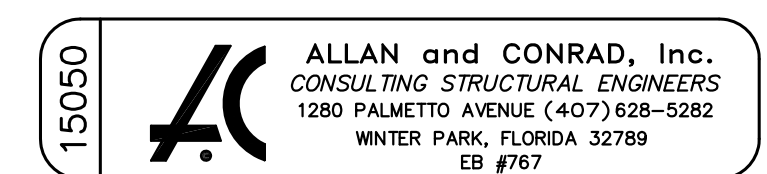
LOCATION	SLUMP	MAX. AGGREGATE
SLABS	5" ± 1"	ASTM #57
- RC-5 FLYASH, WHEN USED, SHALL BE LIMITED TO 20% OF THE CEMENTITIOUS MATERIAL.
- RC-6 ALL PUMPED CONCRETE WITH #57 AGGREGATE IS TO CONTAIN A HIGH RANGE WATER REDUCING AGENT. MINIMUM SIZE OF DISCHARGE TO BE 4" I.D.
- RC-7 REINFORCING STEEL SHALL BE NEW DEFORMED BARS THAT ARE FREE FROM RUST, SCALE AND OIL AND CONFORM TO ASTM A615, GRADE 60, WITH MINIMUM YIELD STRENGTH = 60,000 PSI.
- RC-8 ALL SLABS ON GRADE SHALL BE REINFORCED WITH POLYPROPYLENE FIBERS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND SPECIFICATIONS.
- RC-9 LAP CONTINUOUS REINFORCING AS NOTED IN LAP SPLICE SCHEDULE. LAP CONTINUOUS BOTTOM STEEL OVER SUPPORT AND CONTINUOUS TOP STEEL AT MIDSPAN UNLESS OTHERWISE SPECIFIED.
- RC-10 TERMINATE ALL DISCONTINUOUS TOP BARS WITH STANDARD 90 DEGREE HOOK UNLESS NOTED OTHERWISE.
- RC-11 AT CHANGES IN DIRECTION PROVIDE CORNER BARS OF SAME SIZE AND QUANTITY (U.N.O.) AS HORIZONTAL STEEL.
- RC-12 NO REINFORCING BARS SHALL BE CUT TO ACCOMMODATE THE INSTALLATION OF ANCHORS, EMBEDS OR OTHER ITEMS.
- RC-13 ALL EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE PRIOR TO CONCRETE PLACEMENT.
- RC-14 PLACE CONCRETE PER ACI 304. USE MECHANICAL VIBRATION FOR ALL CONCRETE. LIMIT MAXIMUM FREE FALL DROP OF COLUMN OR WALL CONCRETE TO 3'-0". ALL PRECAUTIONS SHALL BE TAKEN TO AVOID SEGREGATION OF CONCRETE DURING PLACEMENT.
- RC-15 ADHESIVE SHALL HAVE UNCRACKED CONCRETE BOND STRENGTH OF 1385 PSI AND CRACKED CONCRETE BOND STRENGTH OF 710 PSI. INSTALLATION SHALL BE BY QUALIFIED PERSONNEL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI). A COPY OF THE MPI SHALL BE ON SITE AND INSTALLATION SHALL BE OBSERVED BY A QUALIFIED INDEPENDENT INSPECTOR.
- RC-16 SAMPLING AND TESTING OF SPECIMENS FOR FIELD QUALITY CONTROL SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY. SAMPLES OF FRESH CONCRETE SHALL BE OBTAINED ACCORDING TO ASTM C172, ONE SET OF SAMPLES FOR EACH DAY'S PLACEMENT EXCEEDING 5 CUBIC YARDS, PLUS ONE SET FOR EACH ADDITIONAL 25 CUBIC YARDS. TESTING SHALL BE:
 - A. SLUMP: ASTM C 143
 - B. CONCRETE TEMP: ASTM C 1064; TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEGREES F AND BELOW AND WHEN 80 DEGREES F AND ABOVE.
 - C. COMPRESSIVE TEST SPECIMENS: ASTM C31; CAST AND LABORATORY CURE FOUR STANDARD CYLINDER SPECIMENS FOR EACH SAMPLE.
 - D. COMPRESSIVE-STRENGTH TESTS: ASTM C39; TEST ONE CYLINDER AT 7 DAYS, TWO CYLINDERS AT 28 DAYS AND HOLD ONE IN RESERVE.
- RC-17 CONTINUOUSLY CURE FRESH CONCRETE IN A MOIST ENVIRONMENT FOR SEVEN DAYS. SUBMIT CURING METHOD FOR APPROVAL BY THE ENGINEER PRIOR TO PLACING CONCRETE.



1 REBAR AT EXISTING SLAB
S-101 3"=1'-0"

MIN LAP SPLICE LENGTH SCHEDULE

BAR TYPE	BAR SIZE									
	#3	#4	#5	#6	#7	#8	#9	#10	#11	
FOOTINGS	16"	16"	19"	23"	33"	37"	42"	47"	53"	
COLUMN	-	-	19"	23"	33"	39"	49"	60"	72"	
WALLS	16"	16"	19"	23"	37"	47"	58"	70"	-	
SLABS	16"	19"	28"	37"	60"	74"	-	-	-	
BEAMS (TOP)	-	-	25"	29"	43"	51"	63"	78"	93"	
BEAMS (MID & BOT)	-	-	19"	23"	33"	39"	49"	60"	72"	
STIRRUPS	16"	16"	19"	23"	-	-	-	-	-	
FILLED CELLS	SEE MASONRY NOTES									



ALLAN and CONRAD, Inc.
CONSULTING STRUCTURAL ENGINEERS
1280 PALMETTO AVENUE (407) 628-5282
WINTER PARK, FLORIDA 32789
ED #767

Revisions

No.	Date	Description
1	7/21/15	ADDENDUM #1

MPE PROJ#: 2014-140
Designed By: CWJ
Drawn By: RBJ
Checked By: CWJ
Issue Date: 07/21/15
Drawing Scale: AS SHOWN
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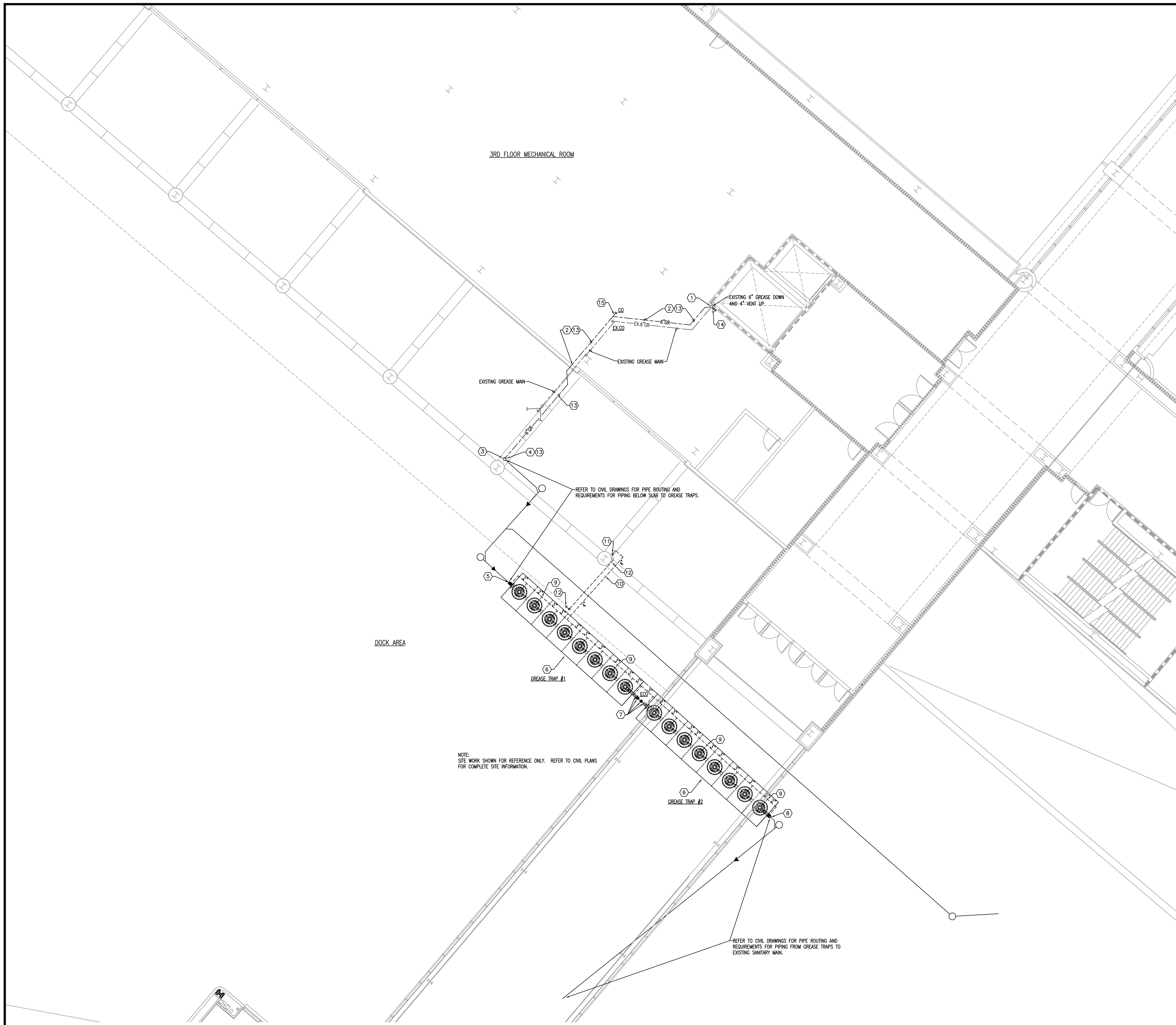
SLAB REPAIR & GENERAL NOTES

BID DOCUMENTS
Drawing No.

S-101

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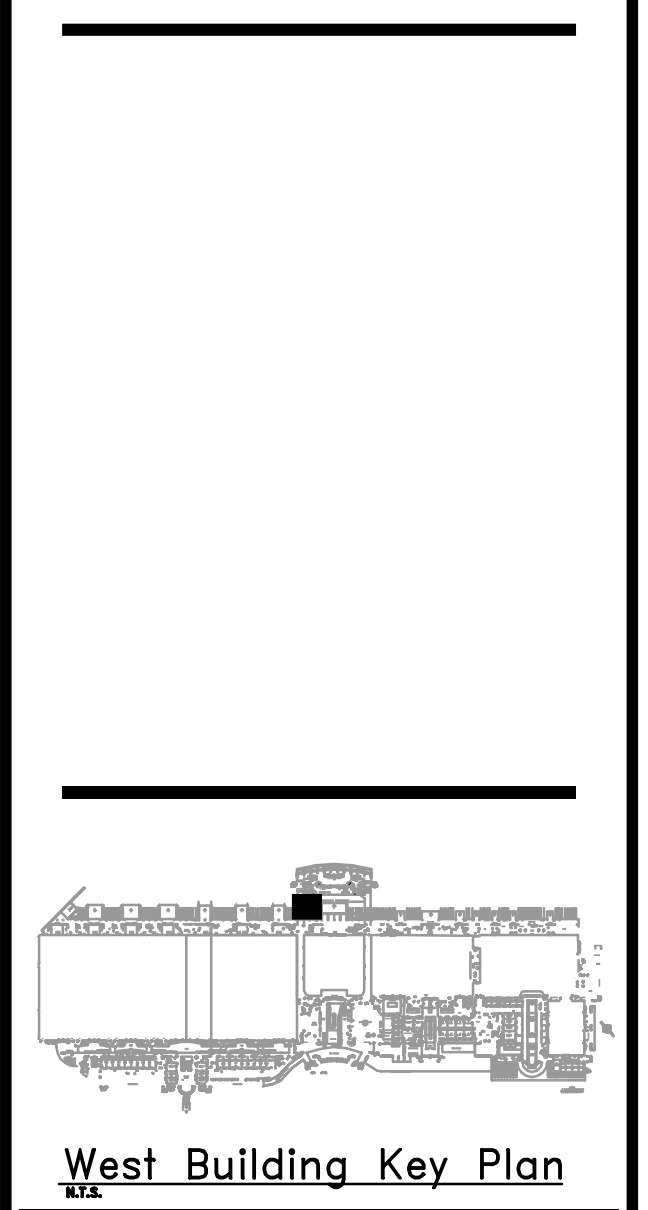


- GENERAL NOTES**
- REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
 - REFER TO SPECIFICATIONS.
 - ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.
 - PIPING SHOWN OFFSET FOR CLARITY OF FIXTURES, EQUIPMENT AND ROUTING INTENT OF DIFFERENT PIPING SYSTEMS.
 - PLUMBING CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH ALL DISCIPLINES.
 - CONTRACTOR SHALL PREPARE COORDINATED SHOP DRAWINGS PRIOR TO INSTALLATION OF PIPING.

- HEX NOTES**
- REMOVAL OF EXISTING PIPE AND CONNECTION OF NEW PIPE
 - DISCONNECT EXISTING 6" GREASE PIPING 18" BELOW EXISTING FITTING FOR CONNECTION OF NEW 6" GREASE PIPING.
 - CUT BACK EXISTING GREASE PIPE DOWN TO 24" ABOVE SLAB AND CAP.
 - CONNECT NEW 6" GREASE PIPE TO EXISTING 6" GREASE PIPE.
 - ROUTE NEW GREASE PIPING IN MECHANICAL ROOM AND THROUGH EXTERIOR WALL.
 - ROUTE NEW GREASE PIPING DOWN COLUMN. SUPPORT PIPING FROM COLUMN. PROVIDE CLEAN OUT 4'-6" ABOVE SLAB.
 - PROVIDE TWO SECTIONS OF 3"-0" HEAVY DUTY STEEL PIPE GUARD FROM 6" ABOVE TOP OF SLAB. PROVIDE GAP BETWEEN SECTIONS OF PIPE GUARD TO ALLOW ACCESS TO CLEAN OUT. BASIS OF DESIGN OMEGA INDUSTRIES PRODUCTS MODEL NUMBER OM33T00M COLUMN MOUNT.
 - COORDINATE INSTALLATION OF GREASE TRAP WITH INVERT PROVIDED ON CIVIL DRAWING.
 - INSTALL GREASE INTERCEPTOR PER MANUFACTURER'S INSTRUCTIONS AND DETAIL PROVIDED ON SHEET P201.
 - COORDINATE GREASE TRAP INSTALLATION WITH INVERTS PROVIDED ON CIVIL DRAWING. ROUTE 8" GREASE PIPING FROM GREASE INTERCEPTOR #1 TO GREASE INTERCEPTOR #2. PROVIDE CLEAN OUTS ON PIPING BETWEEN GREASE INTERCEPTORS.
 - COORDINATE OUTLET INVERT WITH CIVIL DRAWINGS. IF INSTALLED INVERT FALLS BELOW INVERT NOTED ON CIVIL DRAWING CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
 - PROVIDE 2" VENT CONNECTION AS SHOWN. ROUTED UNDERGROUND VENT PIPING PARALLEL WITH TANK.
 - ROUTE 4" UNDERGROUND VENT MAIN TO BEHIND COLUMN.
 - ROUTE VENT PIPING UP COLUMN AS TO STRUCTURE ABOVE.
 - OFFSET PIPING BELOW OVERHANG AND UP BUILDING EXTERIOR TO ABOVE PARAPET. PROVIDE COUPLER VENT TERMINATION WITH INSERT SCREEN ON INLET. BOTTOM OF TERMINATION SHALL BE 24" ABOVE ROOF PARAPET.
 - NEW GREASE PIPING SHALL BE INSULATED. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS.
 - PROVIDE WYE FITTING IN VERTICAL PIPING. EXTEND PIPE UP ABOVE EXISTING GREASE PIPE AND PROVIDE CLEAN OUT.
 - PROVIDE WYE FITTING AND SECTION OF PIPE FOR FUTURE CONNECTION. PROVIDE CLEAN OUT AT END OF PIPE.

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 ME/PE/FP Engineering Consultants - A Solutions Based Firm
 ORLANDO | Fort Myers | Jacksonville | Tampa
 Matern Professional Engineering, Inc
 130 Candace Drive
 Maitland, FL 32751-3331
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ORANGE COUNTY CONVENTION WEST BUILDING GREASE TRAP REPLACEMENT



Revisions

No.	Date	Description
1	07/21/15	ADDENDUM #1

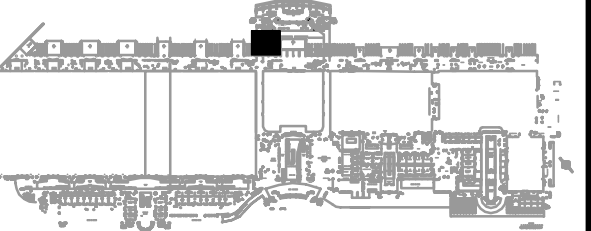
MPE PROJ#: 2014-140
 Designed By: RD
 Drawn By: RD
 Checked By: BWP
 Issue Date: 06/29/15
 Drawing Scale: 1/8"=1'-0"

PARTIAL SITE AND BUILDING PLAN PLUMBING

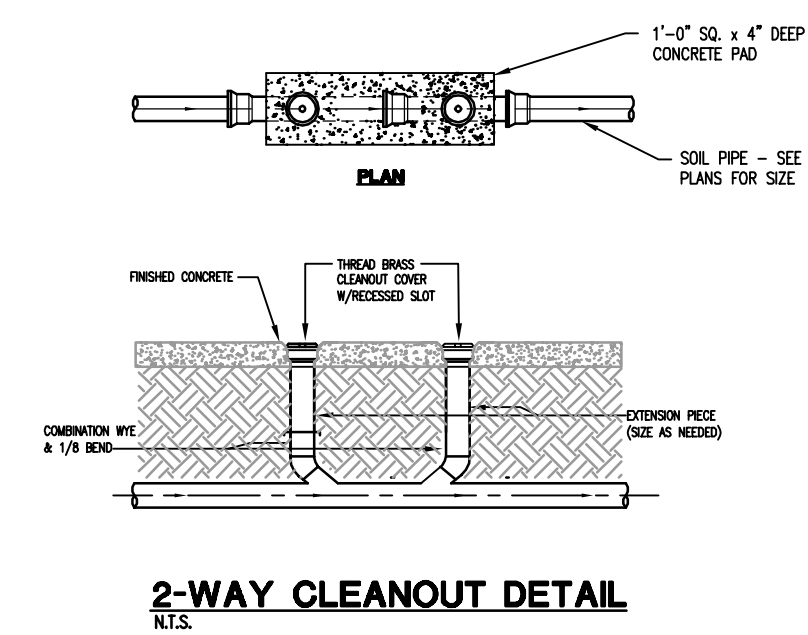
BID DOCUMENTS
 Drawing No. **P101**

PARTIAL SITE AND BUILDING PLAN - PLUMBING
 1/8"=1'-0"
 0 4' 8' 16'

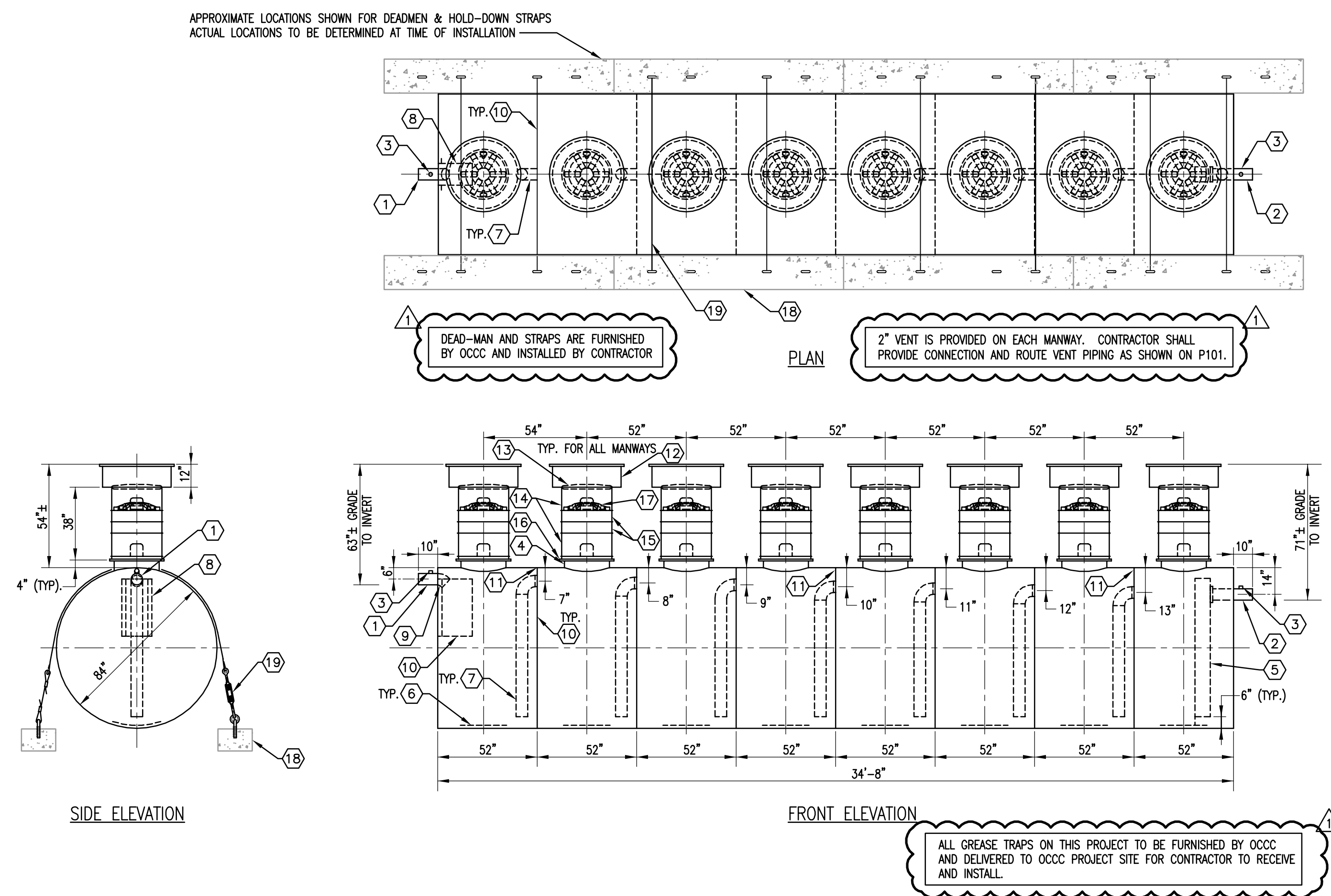
ORANGE COUNTY CONVENTION WEST BUILDING GREASE TRAP REPLACEMENT



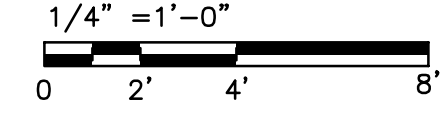
West Building Key Plan



2-WAY CLEANOUT DETAIL



PASSIVE GREASE TRAP 10,000 GALLON - 8 BASIN



- ① 6" SCH 40 PIPE STUB - INLET.
- ② 6" SCH 40 PIPE STUB - OUTLET.
- ③ 2" NPT HC FOR VENT.
- ④ 24" MANNWAY FOR STACKABLE RISER.
- ⑤ STEEL OUTLET DOWNCOMER BAFFLE WITH OPEN TOP FOR EFFLUENT SAMPLING.
- ⑥ 1/2" STRIKER PLATE (AT ALL MANNWAYS)
- ⑦ 6" SCH 40 TRANSFER PIPE.
- ⑧ BOLT - ON INLET DIFFUSION BAFFLE - 7 GA.
- ⑨ 6" 45° DIFFUSION ELBOW.
- ⑩ SOLID BULKHEAD - 1/2"
- ⑪ 2" OPENING FOR AIR CIRCULATION (TYPICAL).
- ⑫ 36" GRADE - LEVEL MANNWAY - SHIPPED LOOSE.
- ⑬ 24" PVC COVER.
- ⑭ 24" x 12" STACKABLE RISER - ALL STACKABLE RISER COMPONENTS ARE PRE-ASSEMBLED AND COMPLETE MANNWAY RISER IS SHIPPED LOOSE.
- ⑮ 24" x 6" STACKABLE RISER.
- ⑯ STACKABLE RISER ADAPTER RING & GASKET.
- ⑰ STACKABLE RISER SAFETY SCREEN.
- ⑱ CDA - 15 CONCRETE DEADMAN - EIGHT REQUIRED.
- ⑲ (8) POLYSTER HOLD - DOWN STRAPS.

LAST SAVED BY: BPERROTT
 LAST SAVED: 7/22/2015 10:07:15 PM
 LAST SAVED: 6/22/2015 12:54:07 PM
 ORIGINATOR: 6/22/2015 12:54:07 PM
 MATERN PROFESSIONAL ENGINEERING
 PLOT DATE: 7/22/2015 10:27:27 PM
 13074_jacob2014-160_OCCC West Building Grease Trap Replacement (2014-160)_P201.dwg