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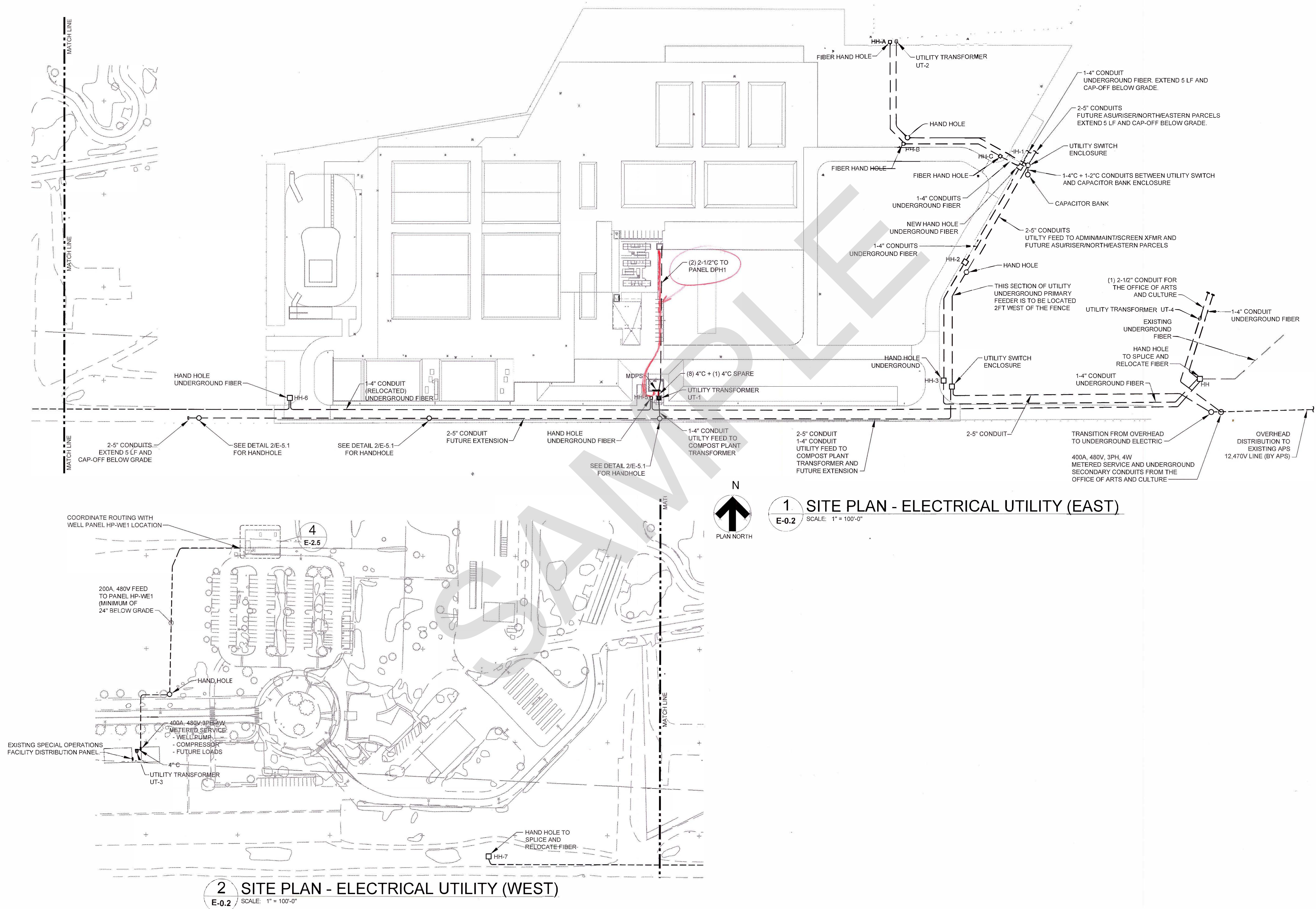
CITY OF PHOENIX
RESOURCE INNOVATION CAMPUS COMPOST FACILITY
AT 27th AVE LANDFILL COMPLEX
3060 SOUTH 27TH AVENUE
PHOENIX, ARIZONA 85009

NO.	REVISION	DATE
1	City Review Comments	9/15/2016
2	Owner Scope Reduction	9/15/2016
3	ASI GMP-001	11/10/2016
4	ASI GMP-004	11/22/2016
5	ASI GMP-005	11/29/2016
6	ASI-008	1/4/2017
7	ASI-010	1/12/2017

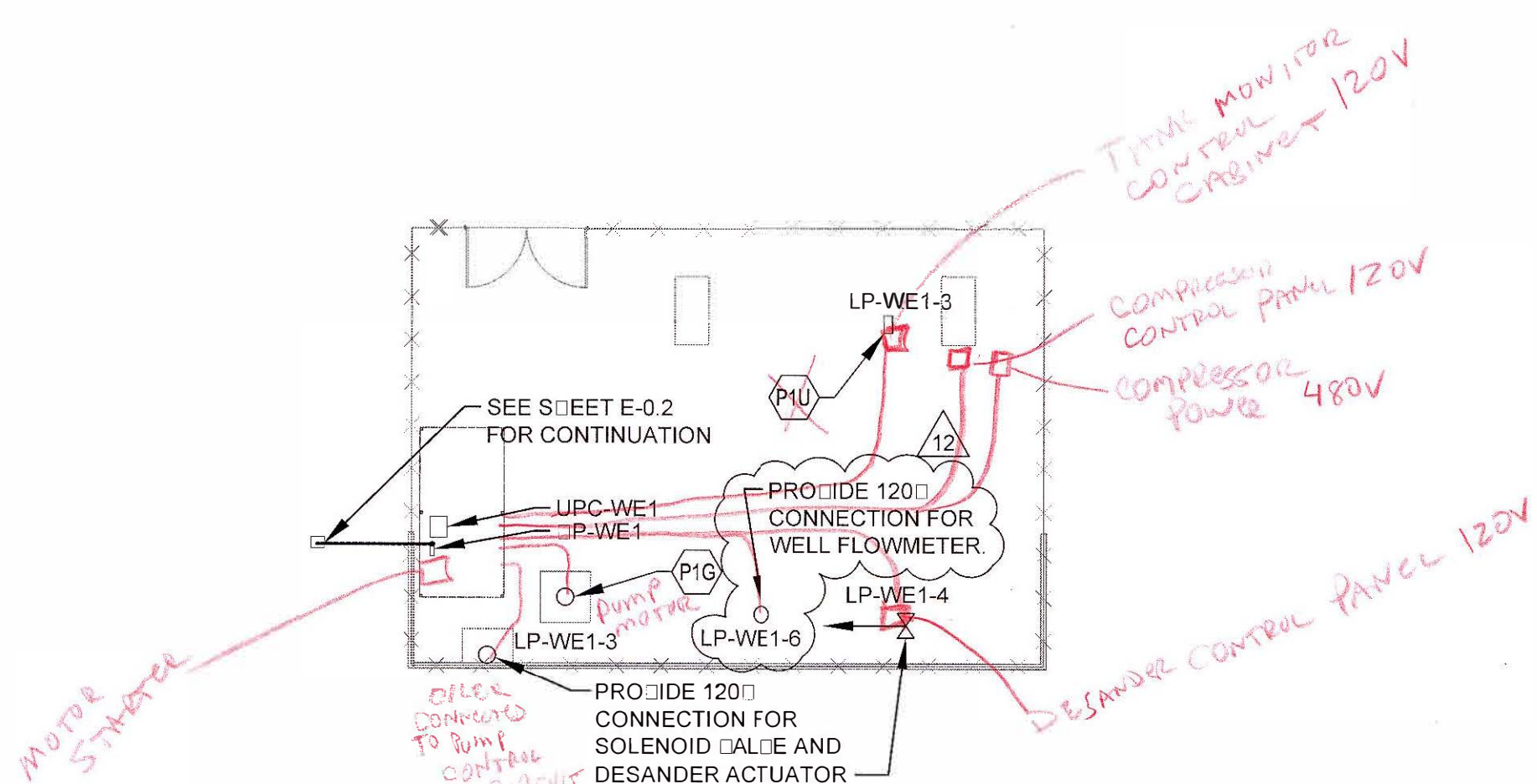
PROJECT NO.: 2014.057
DATE: 1/12/2017
DESIGNED BY: KMK
DRAWN BY: RLL
APPROVED BY: KMK

SHEET TITLE:
SITE PLAN - ELECTRICAL UTILITY

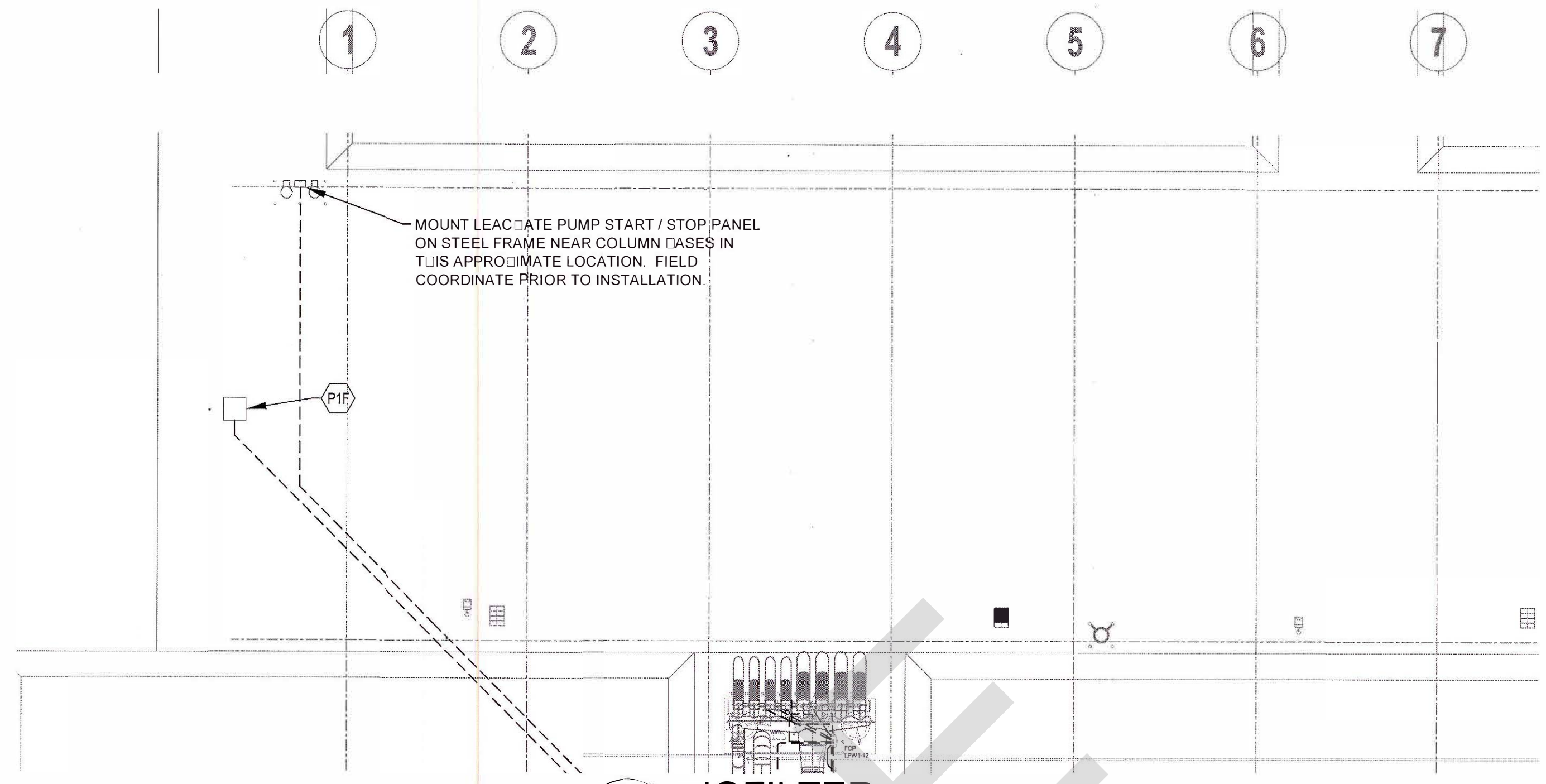
SHEET NUMBER:
E-0.2



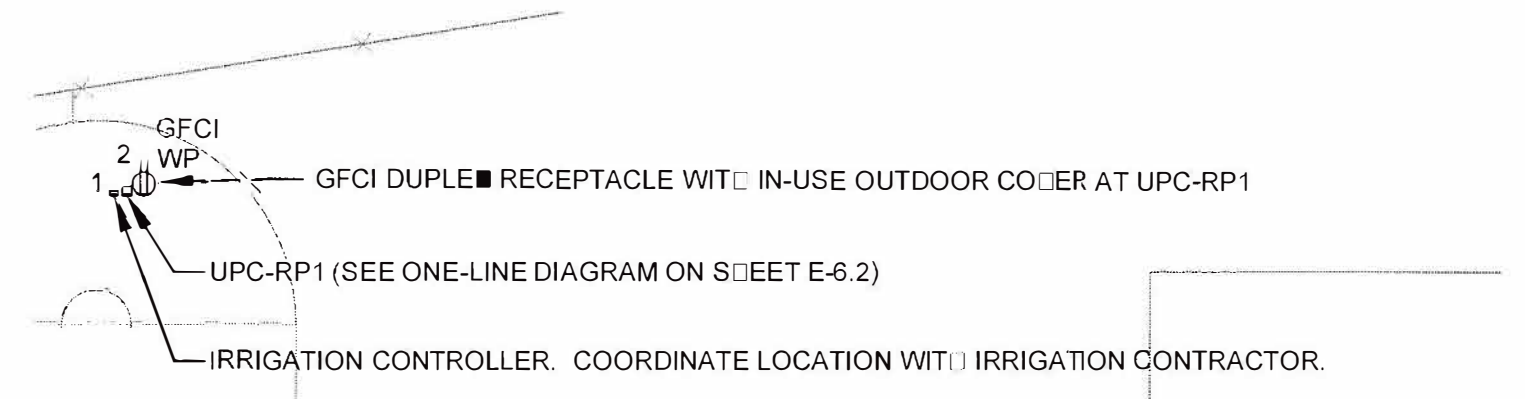
AS-BUILT



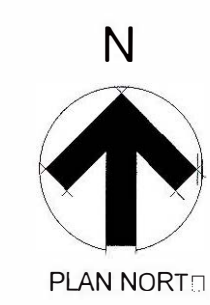
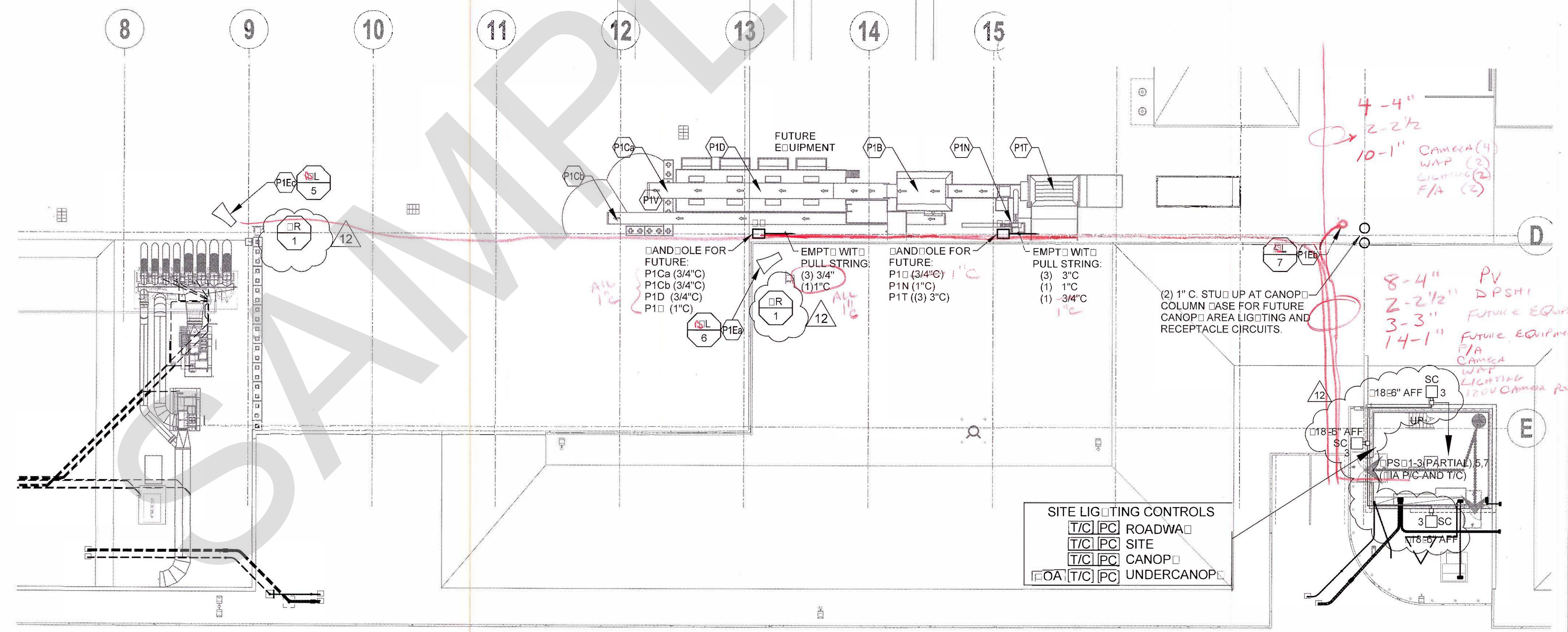
4 WELL ENCLOSURE - ELECTRICAL
E-2.5 SCALE: 1" = 20'-0"



2 IO FILTER
E-2.5 SCALE: 1" = 20'-0"



3 RETENTION POND - ELECTRICAL
E-2.5 SCALE: 1" = 20'-0"

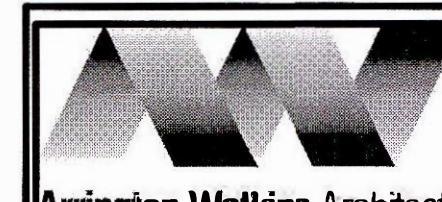


1 RECEIVING / INTAKE / SORTING - ELECTRICAL
E-2.5 SCALE: 1" = 20'-0"

GENERAL NOTES:

- REFER TO SPECIFICATION SECTION 260533 FOR INFORMATION REGARDING CONDUIT INSTALLATION, INCLUDING NUMBER OF BENDS BETWEEN PULLBOXES AND HANDHOLES.
- REFER TO SPECIFICATION SECTION 261170 FOR INFORMATION REGARDING HANDHOLES AND PULLBOXES. PROVIDE QUANTITIES AND SIZES AS REQUIRED AND PER CODE.
- REFER TO SHEET E-6.4 FOR ELECTRICAL EQUIPMENT REQUIREMENTS SCHEDULE.
- REFER TO SHEET E-6.5 FOR LIGHT FIXTURE SCHEDULE AND TRANSFORMER SCHEDULE.
- ALL CANOPY AND BUILDING MOUNTED LIGHTING CIRCUITS SHALL BE 2-10, 1-10G IN 3/4" C, UNLESS NOTED OTHERWISE. CONTRACTOR TO VERIFY VOLTAGE DROP IS 3% OR LESS FROM PANEL TO EACH LIGHT IF ROUTING VARIES FROM LAYOUT.

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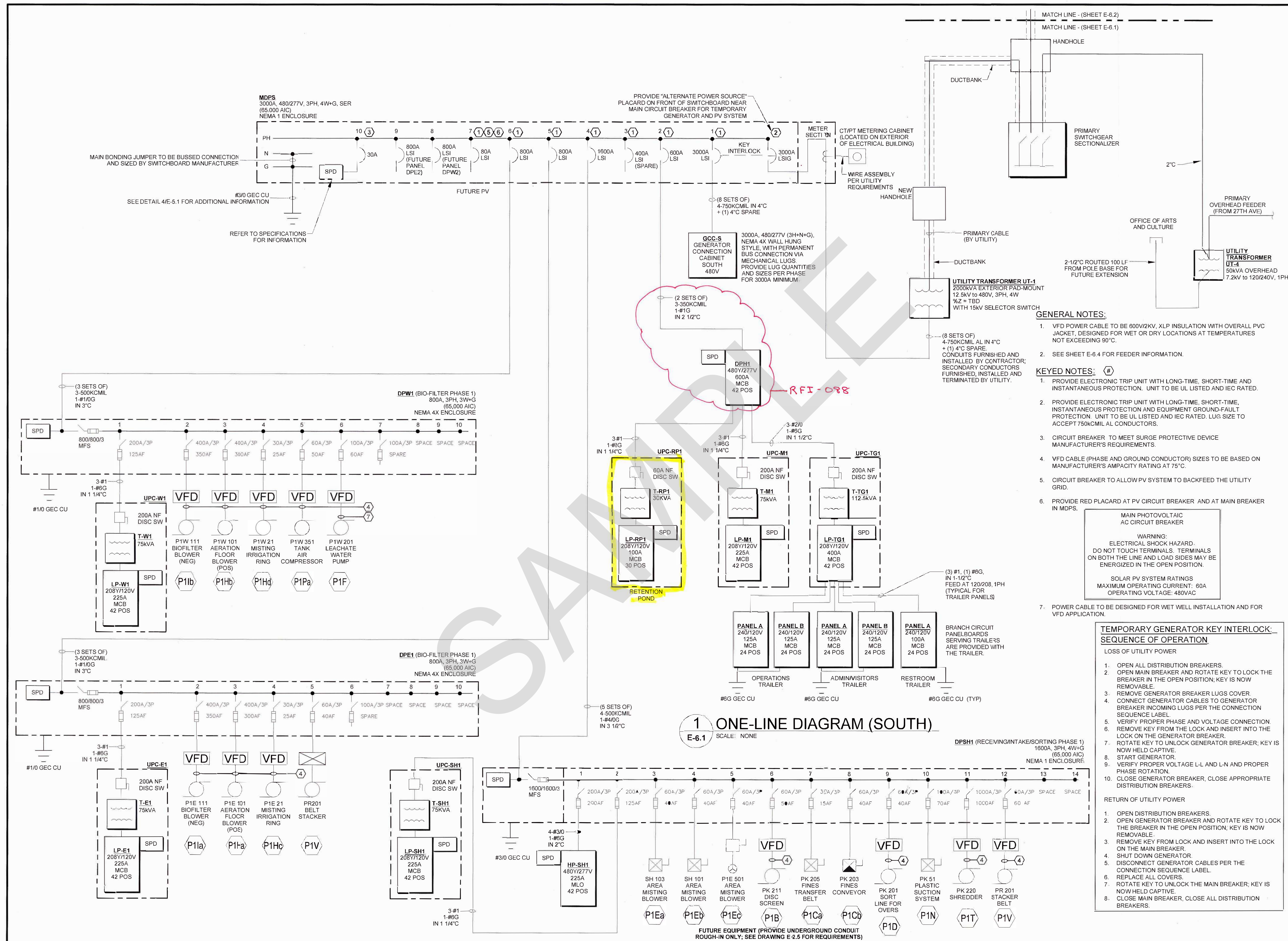
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6	ASI-003	1/6/2017
7	ASI-010	1/12/2017

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SHEET TITLE:
ELECTRICAL -
ONE-LINE DIAGRAM
(SOUTH)

SHEET NUMBER:

E-6.1



AS-BUILT

REMARKS (NOT ALL REMARKS MAY BE USED)

- 1 DC POWER SUPPLIES BY SYSTEM INTEGRATOR
- 2 PROVIDE WATER-TIGHT RECEPTACLE. COORDINATE NEMA CONFIGURATION AND RECEPTACLE PLACEMENT WITH THIS MOBILE UNIT.
- 3 PROVIDE INTERLOCK WIRING FROM CONDENSING UNIT TO EVAPORATOR UNIT. EVAPORATOR UNIT IS POWERED FROM CONDENSING UNIT.
- 4 PROVIDE A DUPLEX GFCI RECEPTACLE AT THIS UNIT.
- 5 PROVIDE RECEPTACLE NEAR WOOD WASTE GRINDER AND COMPOST SCREENER. FIELD VERIFY EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
- 6 EPO BUTTONS WILL BE PROVIDED BY THE EQUIPMENT MANUFACTURER, BE PRE-MOUNTED ON THE EQUIPMENT AND PRE-WIRED TO THE PWCP.
- 7 PROVIDE H-O-A SWITCH AT WALL FOR MANUAL OPERATION.
- 8 AC DRIVE BY PROCESS CONTROLS CONTRACTOR
- 9 CIRCUIT NUMBERS ARE AS SHOWN ON THE ONE-LINE RISER DIAGRAM, NOT THE PANEL SCHEDULE.
- 10 THIS EX-HAUST FAN IS SWITCHED WITH ROOM LIGHTS.
- 11 THIS EX-HAUST FAN IS SWITCHED VIA MRTS IN NEAR ELECTRICAL ROOM DOOR.
- 12 PROVIDE A 20A, 120V-1PH CIRCUIT FOR DIGITAL TIMER. SEE PANEL SCHEDULE LP-WE1 FOR CIRCUITING INFO.

ABBREVIATIONS

DDC	DIRECT DIGITAL CONTROL
EC	ELECTRICAL CONTRACTOR
EM	EQUIPMENT MANUFACTURER
EPO	EMERGENCY POWER OFF
FVNR	FULL VOLTAGE NON-REVERSING
MC	MECHANICAL CONTRACTOR
MMS	MAGNETIC MOTOR STARTER WITH AUXILLIARY CONTACTS
MTRS	FRACTIONAL HORSEPOWER MANUAL STARTER
NF	NON-FUSED
PCC	PROCESS CONTROLS CONTRACTOR
PWCP	PREWIRED CONTROL PANEL
SS	SOFT STARTER
T	THERMOSTAT
TS	TOGGLE SWITCH
TBD	TO BE DETERMINED
TCC	TEMPERATURE CONTROLS CONTRACTOR
VFD	VARIABLE FREQUENCY DRIVE
WLS	WITHIN LINE OF SIGHT



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7	ASI-010	11/12/2017
8	ASI-011	2/3/2017

PROJECT NO.:	2014.057
DATE:	1/12/2017
DESIGNED ☐ :	MM
DRAWN ☐ :	RLL
APPROVED ☐ :	MM

SHEET TITLE:
ELECTRICAL EQUIPMENT
REQUIREMENTS
SCHEDULE

SHEET NUMBER:
E-6.4

AS-BUILT

SOLUTIONS AEC LIGHT FIXTURE SCHEDULE							
TYPE	MFGR	MODEL	VOLT (WATTAGE)	LAMPS	FINISH	MOUNTING	DESCRIPTION AND REMARKS
A	LITHONIA	FEM4LED-6L-IMAFU-MSH120-DPMB	120 (78)	LED	WHITE	SURFACE	INDUSTRIAL STRIP FIXTURE, LED, ENCLOSED, GASKETED, OCC SENSOR
AE	LITHONIA	FEM4LED-6L-IMAFU-MSH120-DPMB-EM	120 (78)	LED	WHITE	SURFACE	INDUSTRIAL STRIP FIXTURE, LED, ENCLOSED, GASKETED, OCC SENSOR, EM BATTERY PACK
B	LITHONIA	FEM4LED-6L-IMAFU-OPMB	120 (78)	LED	WHITE	SURFACE	INDUSTRIAL STRIP FIXTURE, LED, ENCLOSED, GASKETED
BE	LITHONIA	FEM4LED-6L-IMAFU-OPMB-EM	120 (78)	LED	WHITE	SURFACE	INDUSTRIAL STRIP FIXTURE, LED, ENCLOSED, GASKETED, EM BATTERY PACK
EM	LITHONIA	INDX1254-LP05VS-PREM	120(54)	LED	GRAY	WALL	NEMA 4X EMERGENCY LIGHT KIT/UNIT
X	LITHONIA	LV S W 1 R 120277 ELN UM 4X 3D	120(277(5))	LED	WHITE	UNIVERSAL	NEMA 4X EXIT LIGHT
SA	LITHONIA	CSX2 LED-120C-700-40K-T3M-480-SPA-FER-DF-B8-DOBKO	480 (268)	LED	DARK BRONZE	30' POLE 1@90	ROADWAY LED FIXTURE, SQUARE STEEL POLE, TYPE III DISTRIBUTION, FUSED POLE SSS 30 4G DM19AS DOBKD
SB	LITHONIA	CSX2 LED-120C-700-40K-T3M-480-SPA-PER-DF-B8-DOBKO	480 (536)	LED	DARK BRONZE	30' POLE 2@180	ROADWAY LED FIXTURE, SQUARE STEEL POLE, TYPE III DISTRIBUTION, FUSED POLE SSS 30 4G DM29AS DOBKD
SC	LITHONIA	CSX2 LED-120C-1000-40K-T3M-277-WBA-SF-B8-DOBKO	277 (416)	LED	DARK BRONZE	WALL/SURFACE	AREAWAY LED FIXTURE, WALL BRACKET, TYPE III DISTRIBUTION, FUSED
SD	LITHONIA	KACM LED-60C-700H-40K-R6-MVOLT-SRM-YK-DOBKO	120(277(137))	LED	DARK BRONZE	SURFACE	UNDER CANOPY LIGHT

NOTES:
1. MANUFACTURERS INDICATED ABOVE ARE BASIS OF DESIGN. EQUIVALENT PERFORMING PRODUCTS FROM OTHER MANUFACTURERS ARE SUBJECT TO SHOP DRAWING REVIEW. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO MEET THE DESIGN INTENT INCLUDING PHOTOMETRICS.
2. PER ASHRAE 90.1 ANY EXTERIOR FIXTURE OPERATING AT MORE THAN 100 WATTS SHALL HAVE A MINIMUM EFFICACY OF 80 LUMENS PER WATT.
3. POLE TO MEET SPECIFICATION CRITERIA OF WITHSTANDING 130 MPH WIND LOAD.
4. PROVIDE BIRD-DETERANT SPIKES FOR TYPES SA, SB, SC.

PHASE 2	PHASE 1	COMPOST FACILITY EQUIPMENT 12/14/2015 (SEE SHEET E-6.4 FOR ELECTRICAL REQUIREMENTS)										[FOR REFERENCE ONLY]		
		Equipment Function	Portable/Stationary	New/Existing	Number Needed	Capacity	Make	Model	HP	Power	Options			
		a. Receiving/Intake/Sorting												
		1) Articulated loader	Portable	New	1	1 cubic yard	Kubota	R-420S	39.2	Diesel	1 CY bucket w/grapple, upgrade air conditioning			
		2) Area Misting Blower	Portable	New	2	15 gpm	Dust Boss	DB-45 on skid	15 HP fan, 480v 60 hz, 21 amps full load	Electric	Future 10 HP Booster pump, Remote Controlled, hard wired, skid mount 0-40 degrees			
	P1Ea,b	3) Omitted												
	P1Ec	4) Future Shredder	Portable	Existing	1	80 tph	Doppstadt	DW306ISA	N/A	Diesel	Radio controlled,			
	P1B	5) Future Disc Screen	Stationary	New	1	80 tph	MGL	4' wide, 15' long	20 HP	Electric	3" openings, on skid			
	P1Ca	6) Future Fines Collection belt	Portable	New	1	40 tph	MGL	48" wide	5 HP	Electric	Included with Disc Screen			
	P1Cb	7) Future Fines Transfer Belt	Portable	New	1	40 tph	MGL	36" wide	5 HP	Electric	Included with Disc Screen			
	P1Cc	8) Future Fines Conveyor from Discscreen	Portable	New	1	40 tph	MGL	36" wide	15 HP	Electric	36" wide relocatable on skid			
	P1D	9) Future Sortline for Overs from disc screen	Portable	New	1	60 tph	MGL	4' wide, 8 sorter stations	Est. 15 HP	Electric	48" wide relocatable on wheels			
		10) Future Overhead magnet on DW3060SA	Portable	Existing	1	1 tph	On Shredder	30" wide,	N/A	Hydraulic	Aluminum chutes			
		11) Future Self Dumping hopper metal bin	Portable	New	1	2 cy	?	48" x 48" x 24"	N/A	N/A				
		12) Future Trash Roll-off dropbox sortline	Portable	Used	4	20 cy	?	14'x8'x5' steel boxes	N/A	N/A				
		13) Future Plastic suction system	Portable	New	1	30000 cfm	Airlift	AL-200E	30 HP, 450 volt 3 phase	Electric	Discharge into roll off box, includes VFD controls			
		b. Grinding/Composting/Aeration												
		1) Grinder tracked yard debris FW	Portable	New	1	80 tph	Bandit, CBI, Vermeer, Peterson	Varies by Manufacturer	approximately 800 HP	Diesel	Palm frond cutters, head pully magnet, radio control			
		2) Plastic suction system	Portable	New	1		Airlift	AL-200H 18	18-20 gpm @2000 psi	Hydraulic	fabricsack system			
		3) Grinder Watering hose reel	Portable	New	1	150 gpm	Kirco	2.3" diameter, 600 feet	8 HP	Gas				
		4) Wood Grinder wheeled	Portable	Existing	1	50 tph	Doppstadt			Diesel	4" grates			
		5) Compost Turner	Portable	New	1	2400 yph	Vermeer or Backhus	CT1010 TX or 11.30, compost turner	225 HP	Diesel	Air conditioner upgraded, watering bar/cab control for flow			
		6) Turner hose reel	Portable	New	1	100-275 gpm	Kirco	E30x980, 3" diameter, 8HP		Gas	Fast retraction, self propelled cart			
		7) Biofilter Blower	Stationary	New	2	36,260 cfm	Twin City	36" diameter inlet BCS 365	150 HP	Electric	23" w.c. 150 HP			
		8) Aeration Floor Blower	Stationary	New	2	36,260 cfm	Twin City	36" diameter inlet BCS 365	125 HP	Electric	18" w.c. 125 HP			
		9) Misting irrigation ring	Stationary	New	2	15 gpm	Dust Boss	42" DB-R 42" circle	10 HP optional	Electric	filter included, booster pump optional			
		10) Damper actuators	Stationary	New	34 each		Belimo	Rotary 1/4 turr		Electric	17 at each manifold			
		11) Tank Air Compressor	Stationary	New	2	TBD	ASK Dibble	TBD	Estimated at 10 HP each	Electric	disconnect located by manifolds			
		12) Leachate Water Pump	Stationary	New	1	150 gpm	Vaughan	SE3V	40 HP	Electric	disconnect located by manifolds			
		13) Well Water Pump	Stationary	New	1	300 gpm	Grundfos	CR	50 HP	Electric	located by well head off-site			
		14) Wheel Loader	Portable	New	1	500 yph	Caterpillar	966 K		Diesel	Rubber cutting edge			
		c. Screening/Curing/Cleaning/Sales												
		1) Omitted												
		2) Omitted												
		3) Omitted												
		4) Omitted												
		5) Omitted												
		6) Omitted												
		7) Omitted												
		8) Omitted												
		9) Omitted												
		10) Omitted												
		11) Omitted												

TRANSFORMER SCHEDULE											
MARK	KVA RATING	PRIMARY VOLTAGE	SECONDARY VOLTAGE	MOUNTING	LOCATION	K RATING	WINDINGS	TEMP RATING	PRIMARY FEEDER	GND ELECTRODE CONDUCTOR	REMARKS
UT-1	2000	12,470V	480Y/277V, 3PH, 4W	CONCRETE PAD	OUTDOORS	STANDARD	BY UTILITY	BY UTILITY	SEE ONE-LINE	--	NOTES 1, 6
UT-2	1000	12,470V	480Y/277V, 3PH, 4W	CONCRETE PAD	OUTDOORS	STANDARD	BY UTILITY	BY UTILITY	SEE ONE-LINE	--	NOTES 1, 6
UT-3	300		480Y/277V, 3PH, 4W	CONCRETE PAD	OUTDOORS	STANDARD	BY UTILITY	BY UTILITY	SEE ONE-LINE	--	NOTES 1, 6
UT-4			480Y/277V, 3PH, 4W	POLE	OUTDOORS	STANDARD	BY UTILITY	BY UTILITY	SEE ONE-LINE	--	NOTE 7
T-W1	75	480	208Y/120V, 3PH, 4W	FLOOR	BIOFILTER CONTAINER	STANDARD	ALUMINUM	115 DEG C	SEE ONE-LINE	#2 BARE CU	NOTES 2, 3, 4, 5
T-E1	75	480	208Y/120V, 3PH, 4W	FLOOR	BIOFILTER CONTAINER	STANDARD	ALUMINUM	115 DEG C	SEE ONE-LINE	#2 BARE CU	NOTES 2, 3, 4, 5
T-SH1	75	480	208Y/120V, 3PH, 4W	FLOOR	ELECTRICAL BUILDING	STANDARD	ALUMINUM	115 DEG C	SEE ONE-LINE	#2 BARE CU	NOTES 2, 3, 4, 5
T-WE1	30	480	208Y/120V, 3PH, 4W	BRACKET	WELL	STANDARD	ALUMINUM	115 DEG C	SEE ONE-LINE	#6 BARE CU	NOTES 2, 3, 4, 5
T-IG1	112.5	480	208Y/120V, 3PH, 4W	FLOOR	ADMIN ELEC ROOM	STANDARD	ALUMINUM	115 DEG C	SEE ONE-LINE	#1/0 BARE CU	NOTES 2, 3, 4, 5
T-M1	75	480	208Y/120V, 3PH, 4W	FLOOR	ELECTRICAL/IT ROOM #120	STANDARD	ALUMINUM	115 DEG C	SEE ONE-LINE	#2 BARE CU	NOTES 2, 3, 4, 5
T-SC1	OMITTED										
T-RP1	30	480	208Y/120V, 3PH, 4W	BRACKET	RETENTION POND	STANDARD	ALUMINUM	115 DEG C	SEE ONE-LINE	#6 BARE CU	NOTES 2, 3, 4, 5

NOTES:
1. PROVIDE PAD PER UTILITY REQUIREMENTS.
2. TRANSFORMER SHALL BE ENERGY STAR RATED.
3. NEMA 4 ENCLOSURE
4. PROVIDE VIBRATION ISOLATORS ON TRANSFORMER
5. TRANSFORMER IS PART OF A UNITIZED POWER CENTER (ENCLOSURE WITH TRANSFORMER + PANELBOARD INTERCONNECTED FROM FACTORY)
6. TRANSFORMER GROUNDING BY UTILITY
7. COORDINATE WITH UTILITY FOR FUTURE REQUIREMENTS

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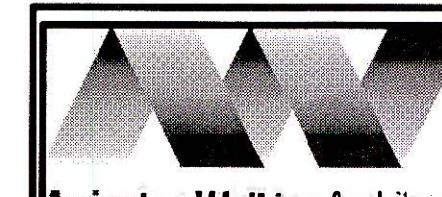
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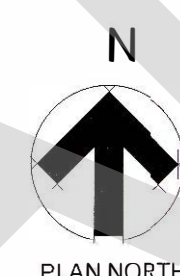
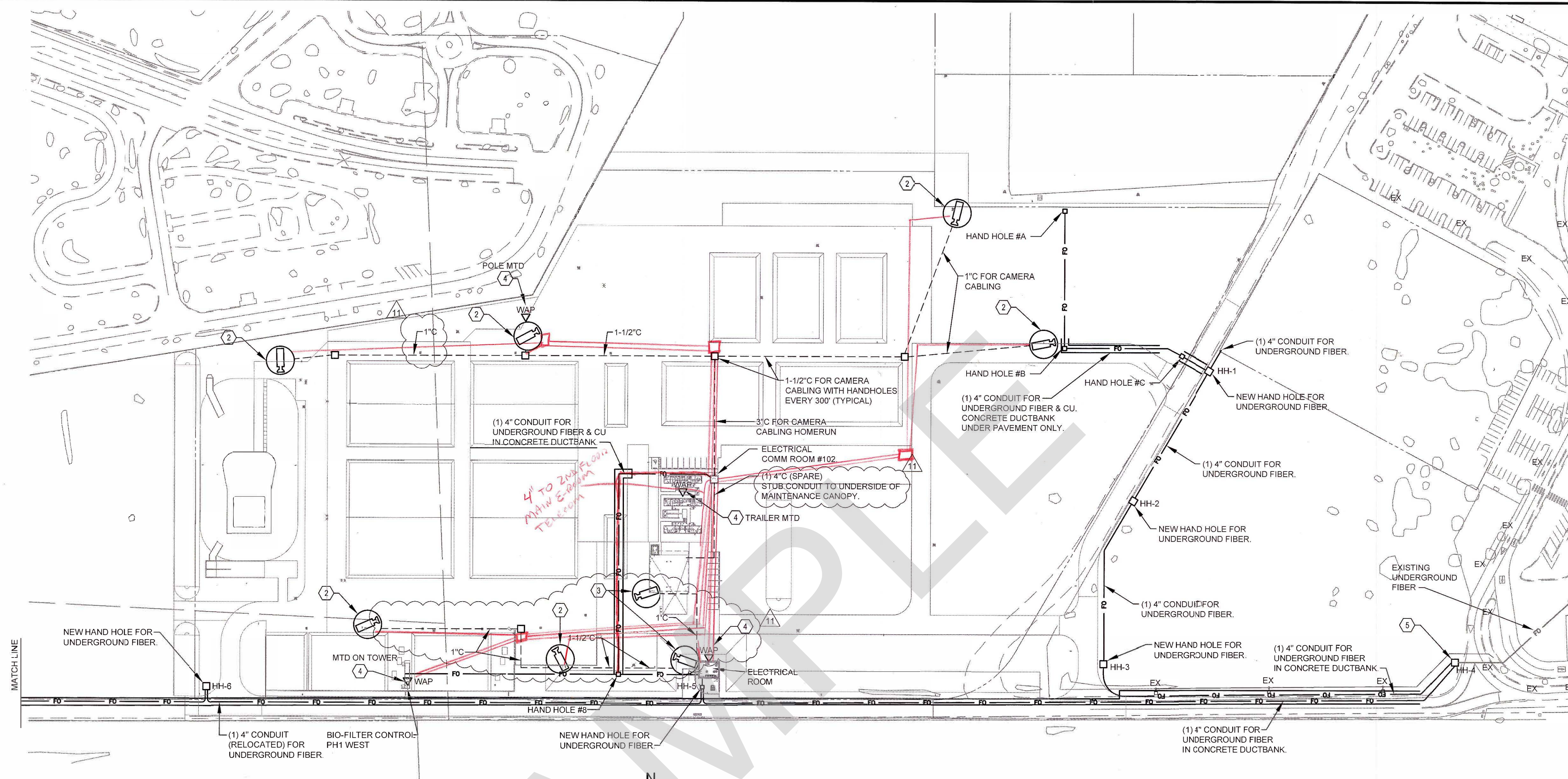
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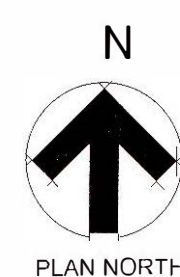
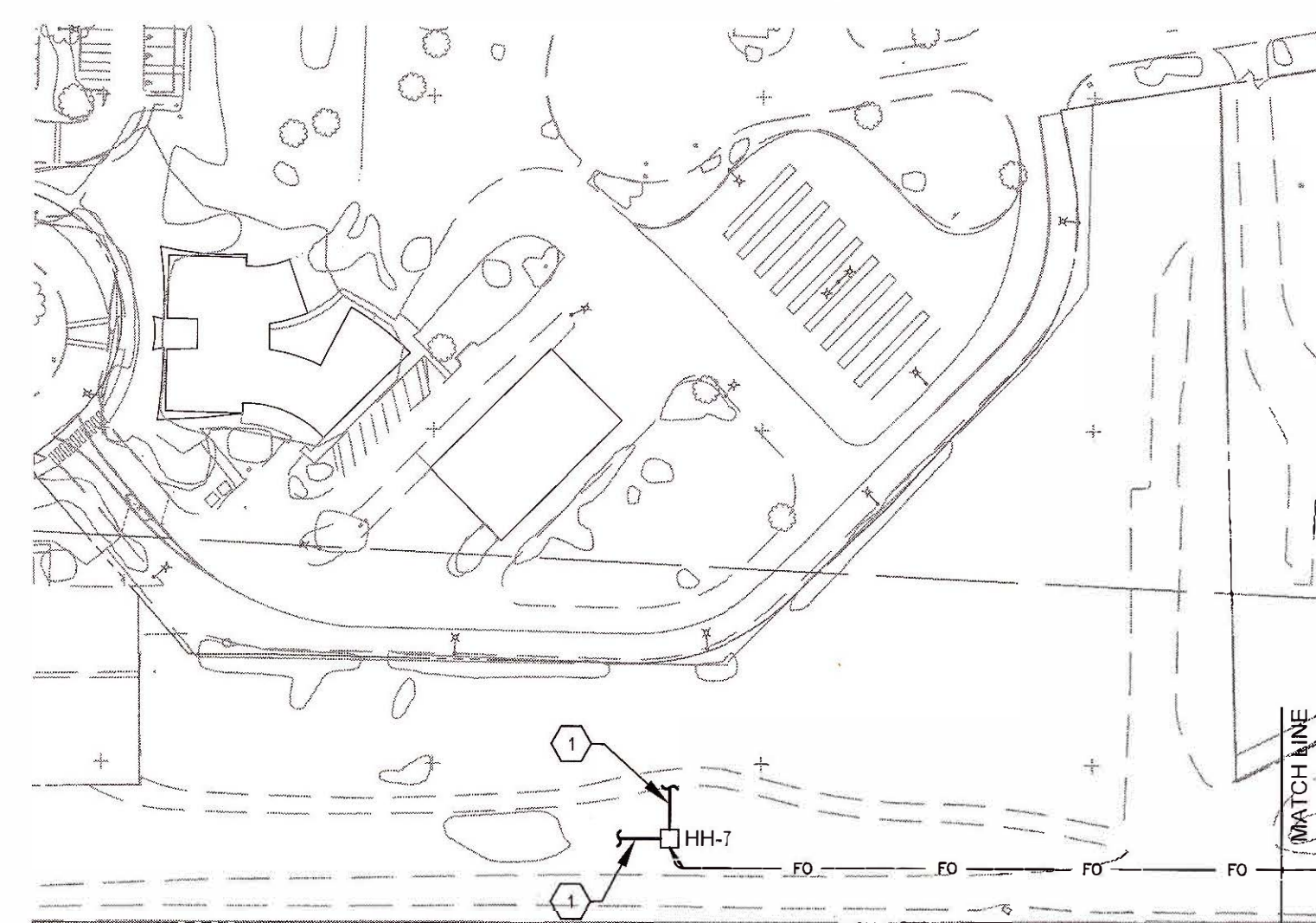
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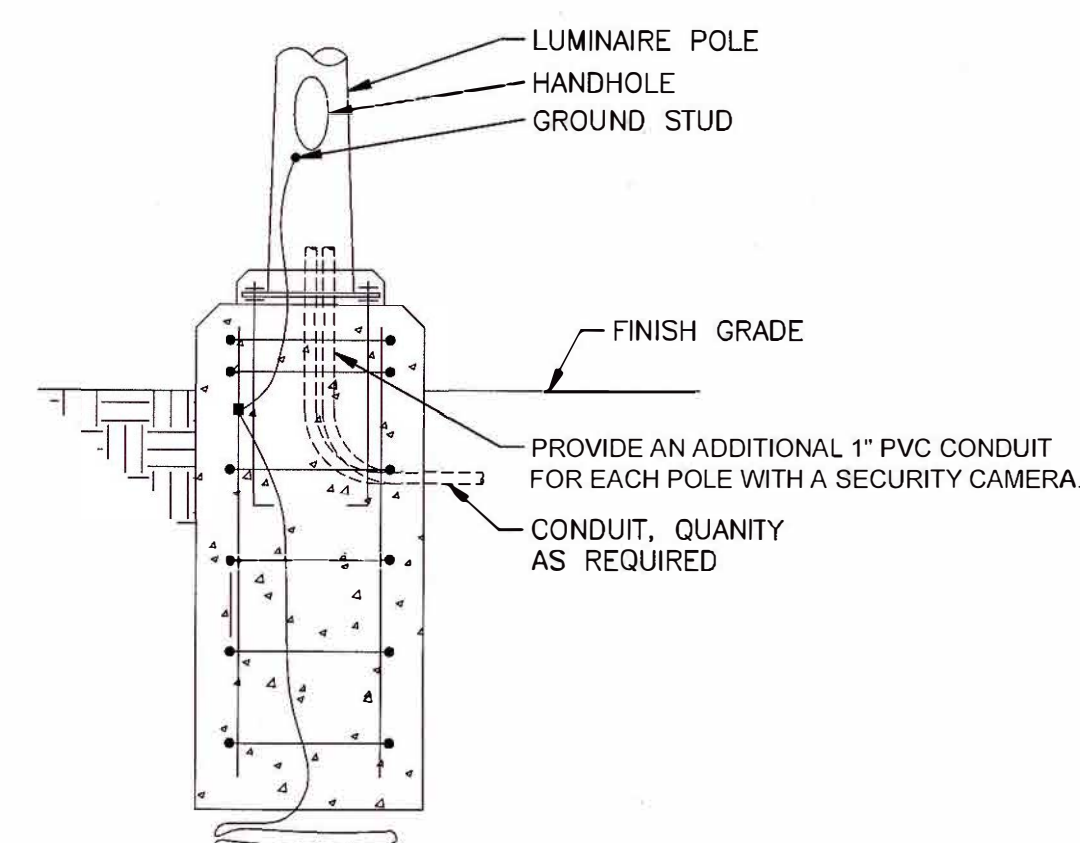
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1 SITE TELECOMMUNICATIONS PLAN
T-1.1 SCALE: 1" = 100'-0"



2 SITE TELECOMMUNICATIONS PLAN
T-1.1 SCALE: 1" = 100'-0"



3 POLE FOUNDATION WITH SECURITY CAMERA ROUGH-IN
T-1.1 NOT TO SCALE

GENERAL NOTES:

- REFER TO DRAWING E-001 FOR ELECTRICAL SYMBOLS, NOTES, AND ABBREVIATIONS.
- REFER TO SITE LIGHTING PLAN FOR EXACT LOCATIONS OF SITE LIGHT FIXTURES.
- PROVIDE CONCRETE DUCT BANK BELOW ALL PAVED AREAS.
- PROVIDE PULL CORDS IN EVERY INNERDUCT, AND ONE OUTSIDE INNER DUCT IN CONDUIT.

KEYED NOTES: (6)

- STUB OUT (1) SPARE EMPTY 4" CONDUIT 5'-0" FROM HANDHOLE FOR FUTURE USE. PROVIDE WITH TRACER WIRE AND CAP BOTH ENDS WATER TIGHT.
- PROVIDE CCTV CAMERA IN WEATHERPROOF HOUSING. POLE MOUNTED ON NEW LIGHT POLE AT +25'-0" AFG. SEE DETAIL #3 THIS SHEET FOR ADDITIONAL CONDUIT ROUGH-IN FOR SECURITY CAMERA WIRING.
- PROVIDE (4) CCTV CAMERAS IN WEATHERPROOF HOUSINGS. CANOPY MOUNTED ON NEW CANOPY COLUMNS AT +20'-0" AFG.
- PROVIDE WIRELESS ACCESS POINT (AMPED WIRELESS MODEL #AC1750, OR EQUIVALENT) AND ROUTER. EXTENDER ANTENNA MOUNTED IN A WEATHERPROOF ENCLOSURE (AMPED WIRELESS MODEL SR600EX, OR EQUIVALENT).
- NEW HAND HOLE WITH 12 STRAND SM OSP FIBER OPTIC CABLE AND 25 PAIR CU CABLE FOR VOICE, ROUTED FROM EXISTING MAIN BUILDING TO NEW ADMIN IT ROOM. BY COP PREFERRED VENDOR. HAND HOLE AND CONDUIT RACEWAY WITH INNER DUCT IS BY EG.

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SITE PLAN AND DETAILS

SHEET NUMBER:

T-1.1

AS-BUILT

MATCH LINE SEE SHEET C5.5

MATCH LINE SEE SHEET C5.1

MATCH LINE SEE SHEET C5.3

- CONSTRUCTION NOTES**
- (26) PIPE PLUG
TO BE REMOVED W/FUTURE CONNECTION
 - (38) UNDERGROUND AERATED CONCRETE VAULT
 - (49) SAND & OIL SEPARATOR
DET C, SHT C6.2
 - (50) GRAVITY STORM DRAIN, HDPE
MAG SPEC SEC 738
ADS N-12 WT IB OR APPROVED EQUAL
SIZE PER PLAN
 - (51) PRESSURE STORM DRAIN, POLYPROPYLENE
MAG SPEC SECTION 740
ADS SANITITE HP SANITARY SEWER PIPE
OR APPROVED EQUAL
SIZE PER PLAN
 - (52) DRAIN BASIN W/SOLID LID
& SUMP INSERT
ADS NYOPLAST OR APPROVED EQUAL
SIZE PER PLAN
 - (54) CATCH BASIN
DET K, SHT C6.4
 - (78) CORROSION RESISTANT
GATE VALVE W/BOX & COVER
COP STD DET P1165 & P1391
SIZE PER PLAN
JOINTS RESTRAINED PER MAG STD DET 303
& COP SEC 750.3
 - (106) 4" AIR PIPE
 - (108) 6" PERFORATED SCH40 PVC PIPE
RETAINING WALL DRAIN
REFER TO STRUCTURAL PLAN FOR WALL LAYOUT

- REFERENCE NOTES**
- (5) AERATION TANK DRAINAGE SYSTEM
REFER TO SHEETS C5.8-C5.10
FOR VERTICAL INFORMATION
 - (31) AERATION MANIFOLD PIPES
& PROCESS WATER PIPES
REFER TO SHT C11.1
 - (33) ONSITE FIRE LINE
REFER TO FIRE LINE PLAN
 - (34) ONSITE POTABLE WATER
REFER TO UTILITY PLAN
 - (35) ONSITE RAW WATER
REFER TO UTILITY PLAN
 - (40) COMMUNICATION CONDUIT
REFER TO ELECTRICAL PLAN
 - (41) ELECTRICAL CONDUIT
REFER TO ELECTRICAL PLAN
 - (46) REFER TO STRUCTURAL PLAN
FOR PRECAST VAULT DESIGN

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RESOURCE INNOVATION CAMPUS
COMPOST FACILITY
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3060 SOUTH 27TH AVENUE
PHOENIX, ARIZONA 85009

REVISIONS	DATE
OWNER SCOPE REDUCTION	10/03/16
ASI 002	11/11/16
ASI 011	2/7/17

PROJECT NO.:
DATE: 11/11/2016
DESIGNED BY: TCW
DRAWN BY: TGD
APPROVED BY: AAC
SHEET TITLE:
STORM & PROCESS
WATER PLANS
SHEET NO.:

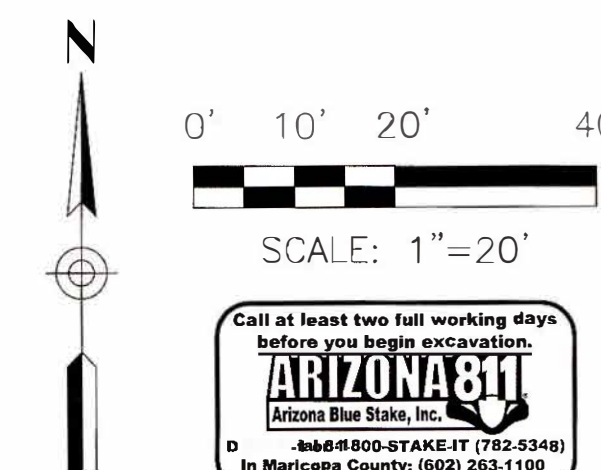
C5.2

PERMIT SET

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Adrian A. Carvajal
Professional Engineer
No. 49524
ADRIAN A. CARVAJAL
PHOENIX, ARIZONA
Expires 6/30/18

Dibble Engineering
7500 N. Dreamy Draw Drive
Phoenix, AZ 85020
P 602.957.1155
F 602.957.2838
www.dibblecorp.com



AS-BUILT

MATCH LINE SEE SHEET C5.6

FUTURE
COMPOST
LOCATION

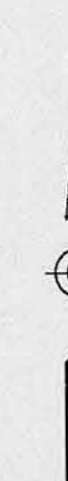
FUTURE
ANAEROBIC
DIGESTER

REFERENCE NOTES

- 33 ONSITE FIRE LINE
REFER TO FIRE LINE PLAN
- 40 COMMUNICATION CONDUIT
REFER TO ELECTRICAL PLAN
- 41 ELECTRICAL CONDUIT
REFER TO ELECTRICAL PLAN

NO CONSTRUCTION ON THIS SHEET
FOR REFERENCE ONLY

PROPERTY LINE



0' 10' 20' 40'
SCALE: 1"=20'



REVISIONS	DATE
OWNER SCOPE REDUCTION	10/03/16

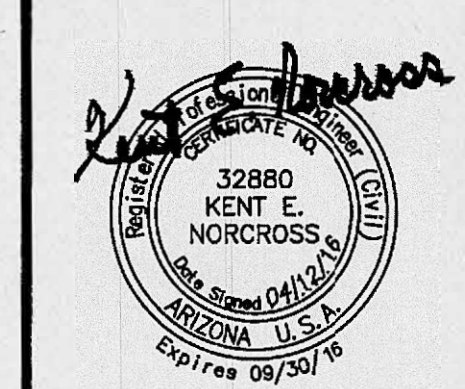
PROJECT NO.:
DATE: 04/12/2016
DESIGNED BY: TCW
DRAWN BY: TGD
APPROVED BY: AAC
SHEET TITLE:
STORM & PROCESS
WATER PLANS
SHEET NO.:

C5.3

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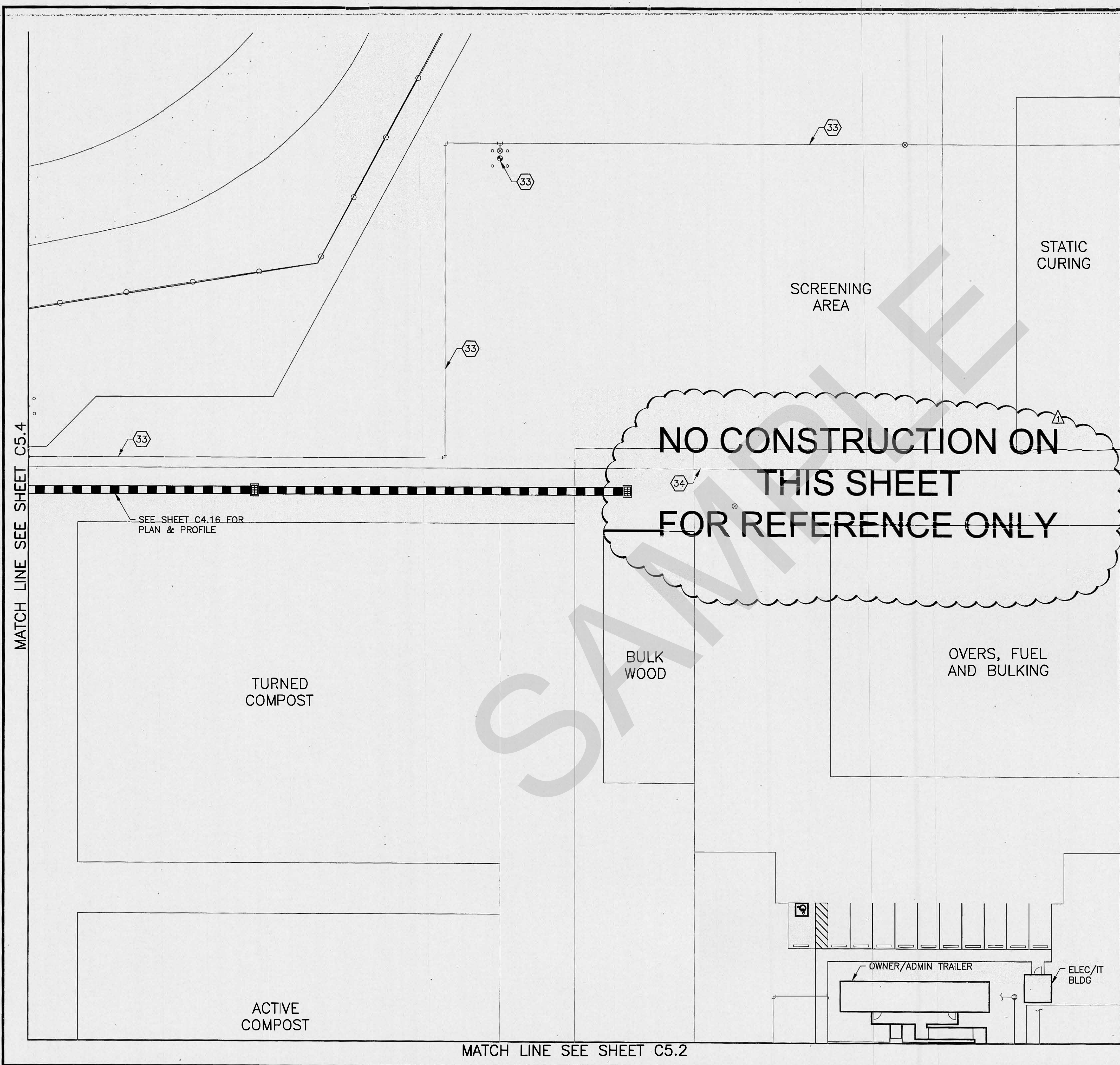
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Engineering

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Suite 200
Phoenix, AZ 85026
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F 602.957.3808
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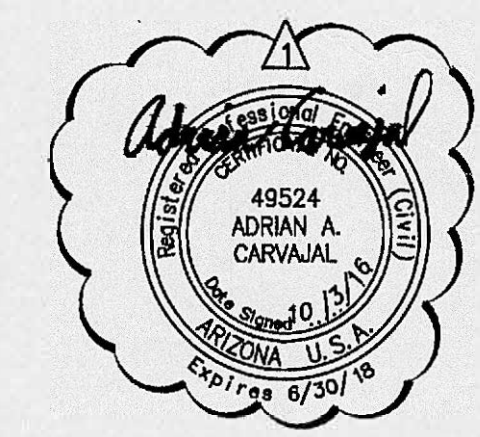
CITY OF PHOENIX
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COMPOST FACILITY
AT 27TH AVE LANDFILL COMPLEX
3060 SOUTH 27TH AVENUE
PHOENIX, ARIZONA 85009

AS-BUILT

FILE NAME: C5.5 - UTILITY PLAN DATED: 10/12/2016 9:30 AM BY: MISE LUDAN



- REFERENCE NOTES**
- 33 ONSITE FIRE LINE
REFER TO FIRE LINE PLAN
 - 34 ONSITE POTABLE WATER
REFER TO UTILITY PLAN
 - 35 ONSITE RAW WATER
REFER TO UTILITY PLAN



0' 10' 20' 40'

SCALE: 1"=20'

Call at least two full working days before your landfill construction.

ARIZONA

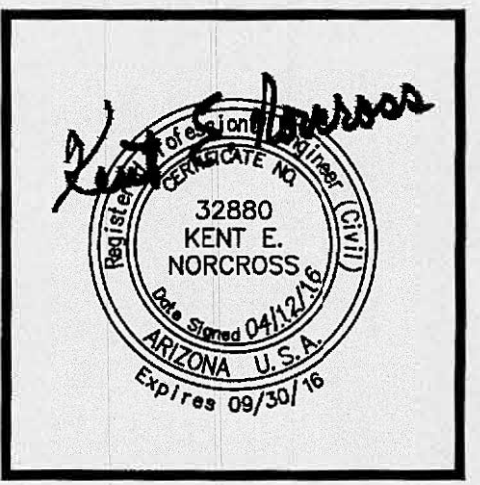
State Seal of Arizona

Call 8-6-1 or 1-800-574-2177 (TDS-3344) to Maricopa County (602) 263-1100

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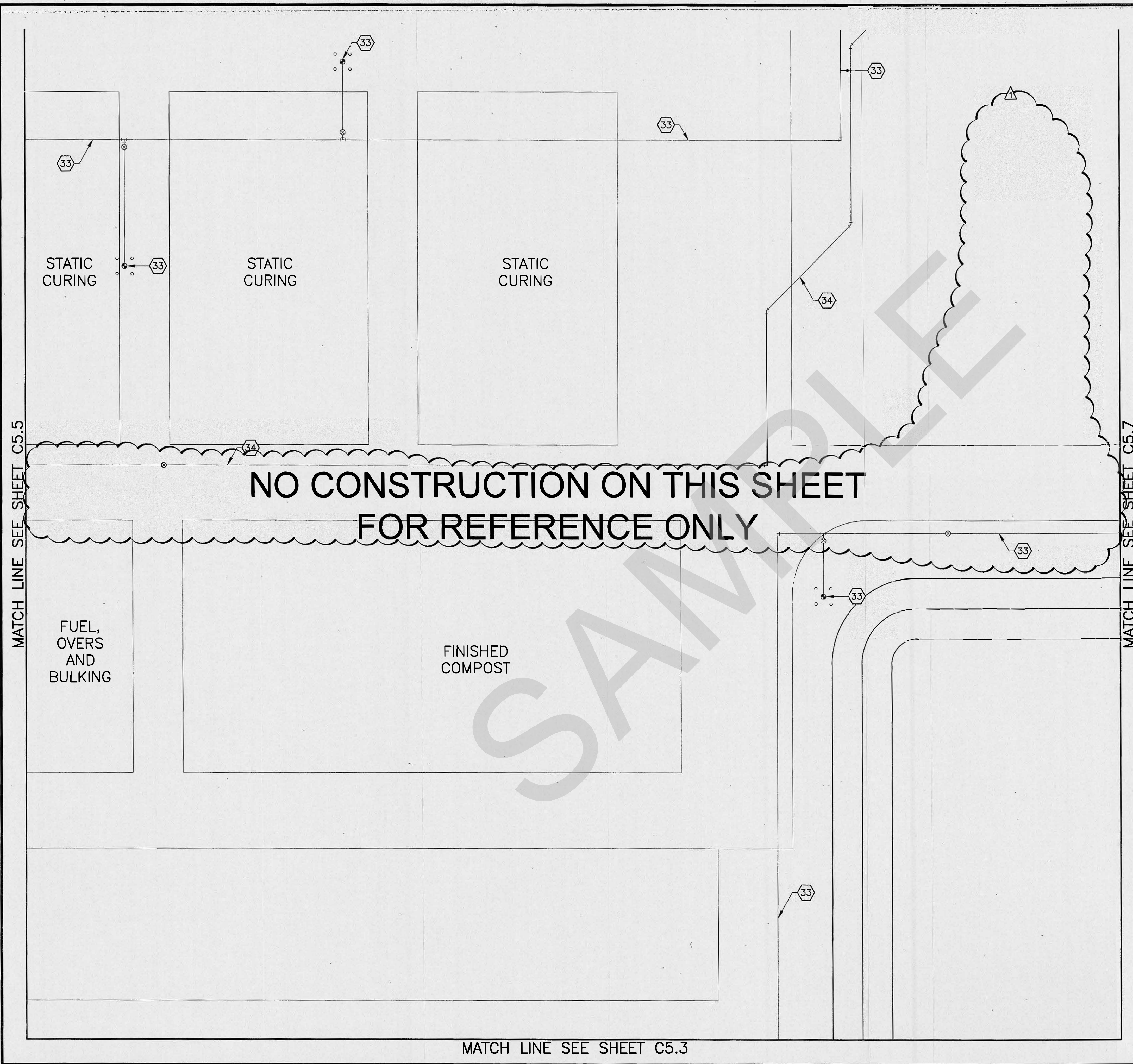
CITY OF PHOENIX
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COMPOST FACILITY
AT 27TH AVE LANDFILL COMPLEX
3060 SOUTH 27TH AVENUE
PHOENIX, ARIZONA 85009

REVISIONS	DATE
OWNER SCOPE REDUCTION	10/03/16
PROJECT NO.:	
DATE:	04/12/2016
DESIGNED BY:	TCW
DRAWN BY:	TGD
APPROVED BY:	AAC
SHEET TITLE:	STORM & PROCESS WATER PLANS
SHEET NO.:	C5.5

PERMIT SET

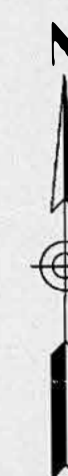
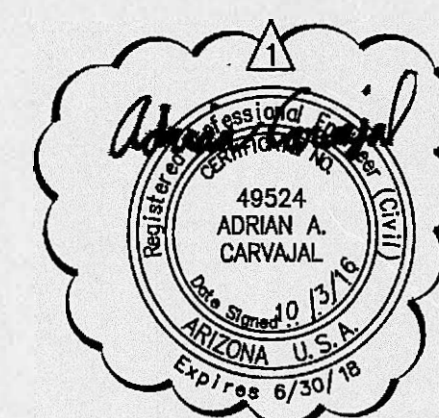
AS-BUILT

FILE NAME: C5.6 - UTILITY PLANNING - 10/2/2016 9:31 AM BY: MDC LDCM



REFERENCE NOTES

- 33 ONSITE FIRE LINE
REFER TO FIRE LINE PLAN
- 34 ONSITE POTABLE WATER
REFER TO UTILITY PLAN



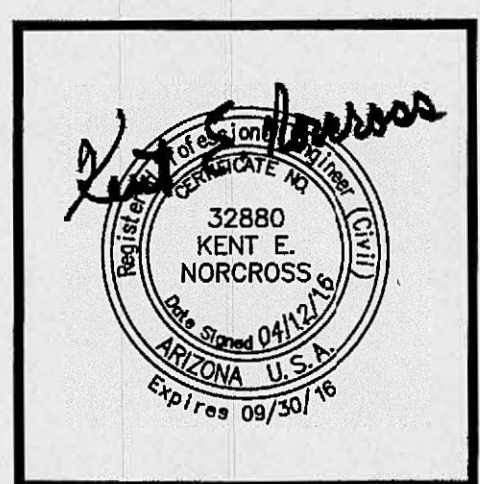
0' 10' 20' 40'

SCALE: 1"=20'



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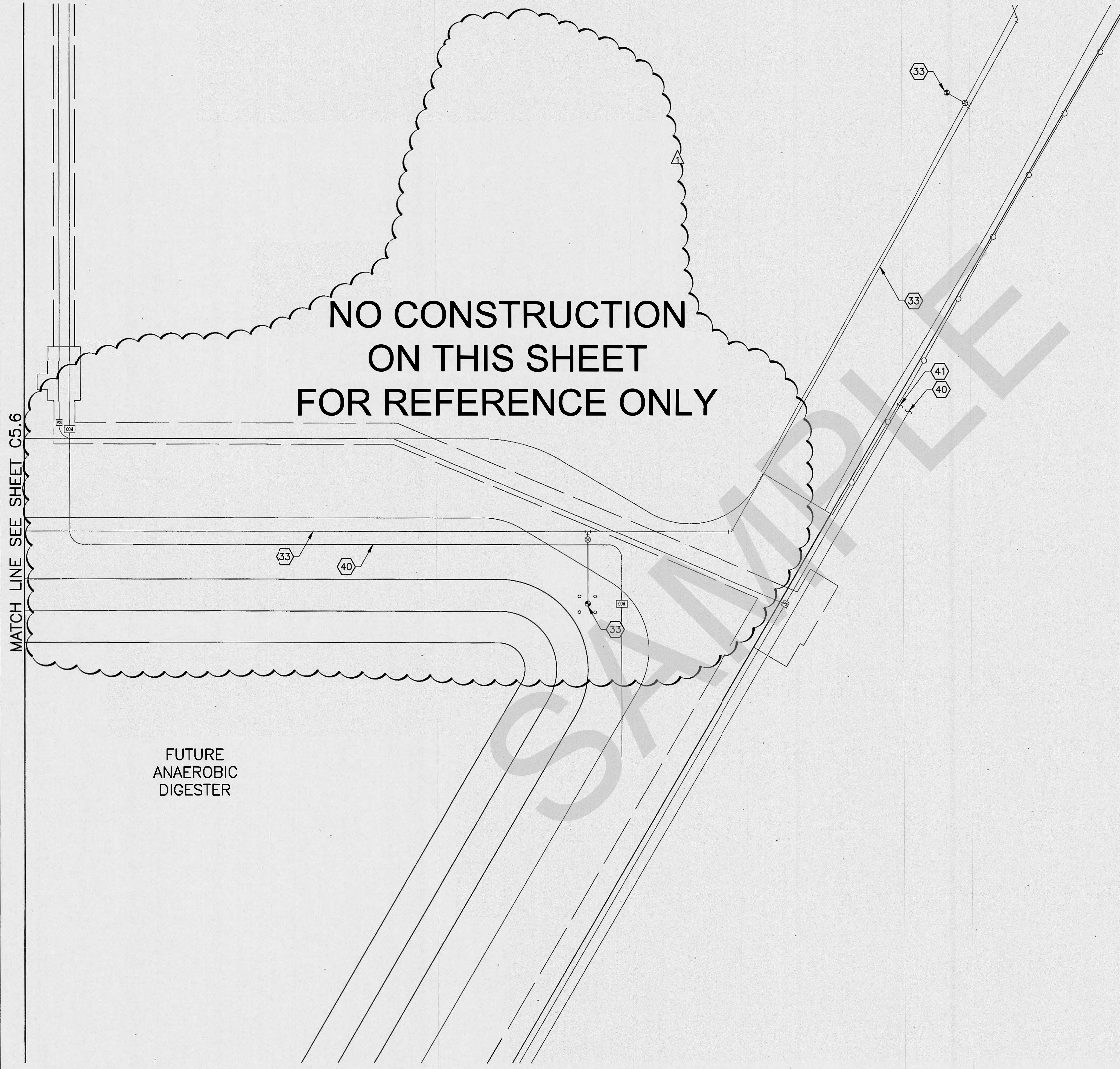
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REVISIONS	DATE
OWNER SCOPE REDUCTION	10/03/16
PROJECT NO.:	
DATE:	04/12/2016
DESIGNED BY:	TCW
DRAWN BY:	TGD
APPROVED BY:	AAC
SHEET TITLE:	STORM & PROCESS WATER PLANS
SHEET NO.:	C5.6

PERMIT SET

FILE NAME: C5.7 - UTIL.DWG PLOTTED: 10/2/2016 5:31 AM BY: MIKE LOGAN



- REFERENCE NOTES
- 33 ONSITE FIRE LINE
REFER TO FIRE LINE PLAN
 - 40 COMMUNICATION CONDUIT
REFER TO ELECTRICAL PLAN
 - 41 ELECTRICAL CONDUIT
REFER TO ELECTRICAL PLAN

SCALE: 1"=20'

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Kent E. Norcross

32850
KENT E. NORCROSS
3000 N. 16TH AVE.
PHOENIX, AZ 85016
Expires 09/30/16

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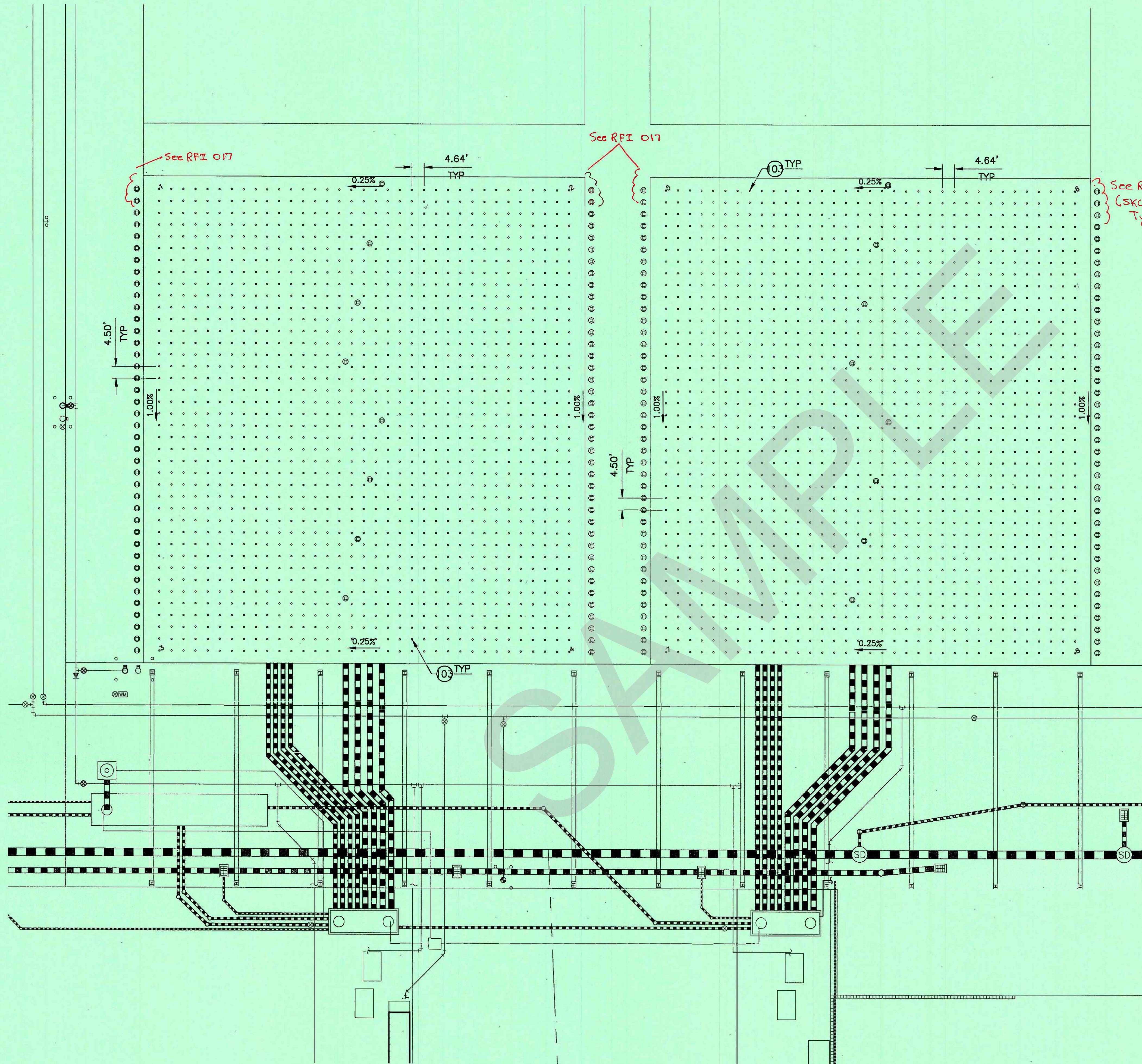
7800 N. Deery Drive
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REVISIONS	DATE
OWNER SCOPE REDUCTION	10/03/16
PROJECT NO.:	
DATE:	04/12/2016
DESIGNED BY:	TCW
DRAWN BY:	TGD
APPROVED BY:	AAC
SHEET TITLE:	STORM & PROCESS WATER PLANS
SHEET NO.:	C5.7

PERMIT SET

FILE NAME: C11.X - PRELIM PLOTTED: 10/2/2016 9:42 AM BY: MKE LOON

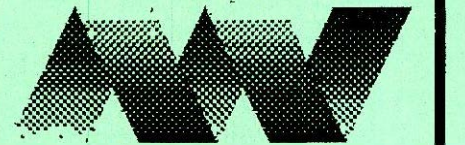


CONSTRUCTION NOTES

03 SLAB AERATION SPARGER
ELEVATIONS PER TABLE BELOW
REFER TO DET P, SHT C6.6

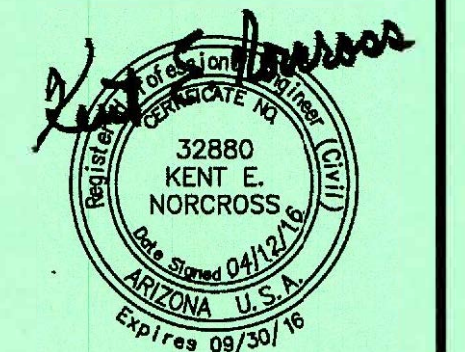
RFI 020-GMP "3" Min. Clearance
required between edge of concrete
@ spargers and steel reinforcement."

Point Table			
Point #	Elevation	Northing	Easting
1	1035.244	878911.9224	636230.5254
2	1035.638	878911.9224	636388.3817
3	1033.489	878736.4224	636230.5254
4	1033.883	878736.4224	636388.3817
5	1035.731	878911.9224	636425.5255
6	1036.126	878911.9224	636583.3819
7	1033.976	878736.4224	636425.5255
8	1034.371	878736.4224	636583.3819



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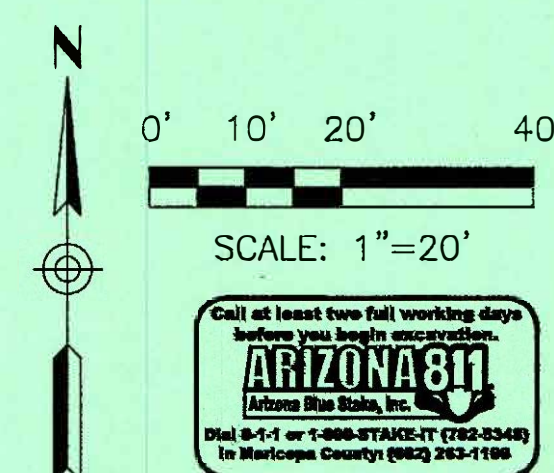
REVISIONS	DATE
OWNER SCOPE REDUCTION	10/03/16

PROJECT NO.:
DATE: 04/12/2016
DESIGNED BY: TCW
DRAWN BY: TGD
APPROVED BY: AAC

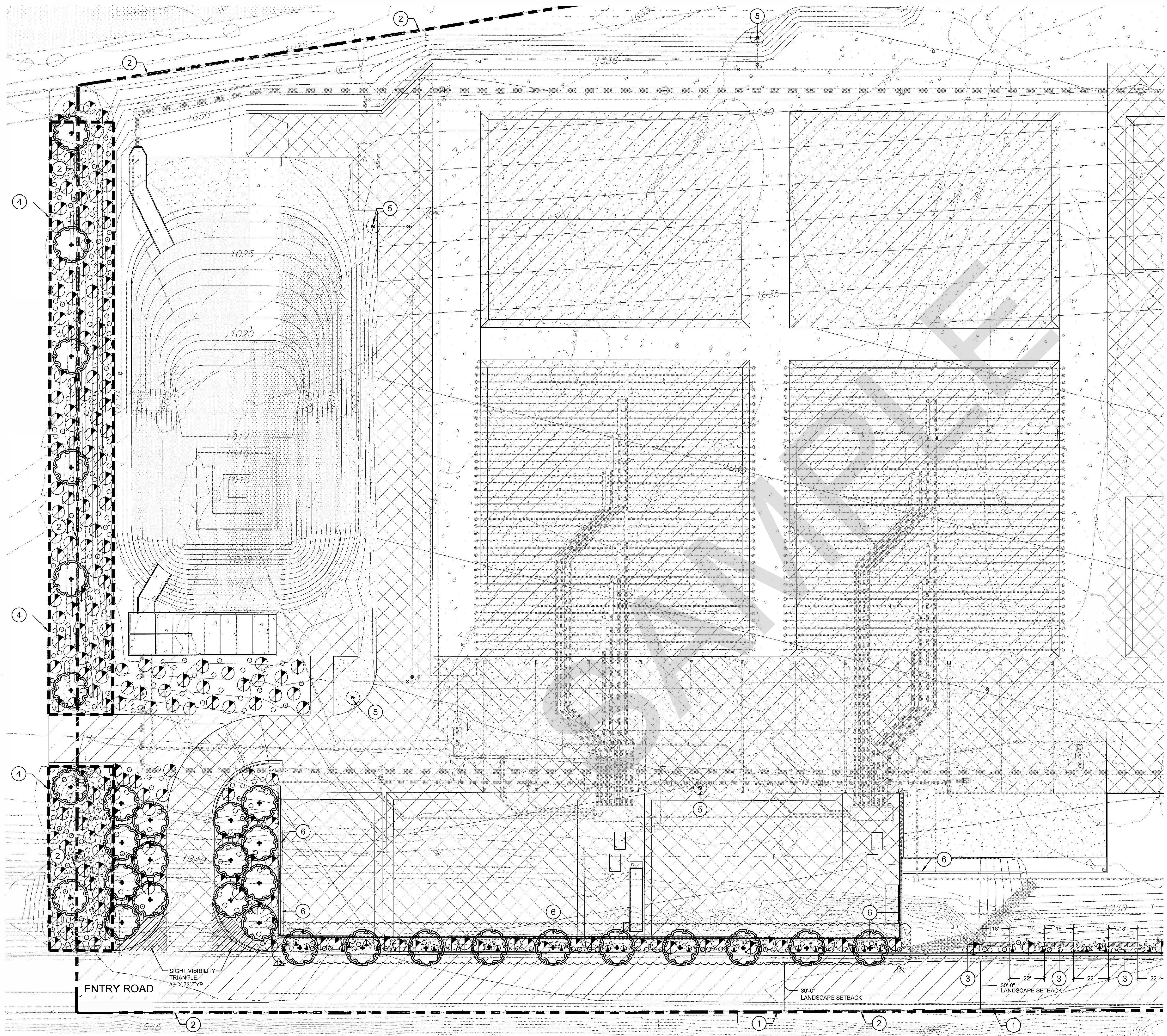
SHEET TITLE:
SLAB AERATION
SPARGER LAYOUT
SHEET NO.:

C11.3

PERMIT SET



AS-BUILT



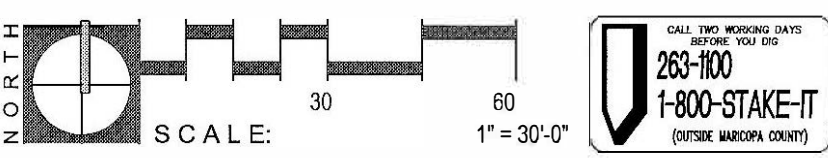
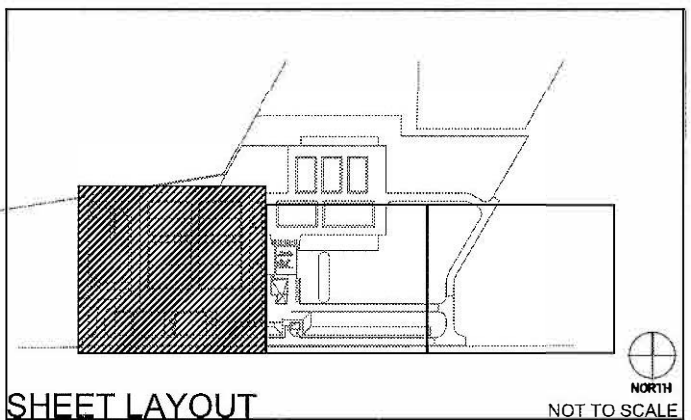
PLANT LEGEND				
SYM.	BOTANICAL NAME COMMON NAME	SIZE	MIN. CAL HT X W	QTY.
TREES				
●	PARKINSONIA FLORIDA BLUE PALO VERDE	36" BOX MULTI	2" CAL 10'H X 6'W	6
●	FRAXINUS VELUTINA 'FAN TEX' FAN-TEX ASH	24" BOX MULTI	1.5" CAL 4'H X 1.5'W	55
●	PROSOPIS X PHOENIX HYBRID MESQUITE	36" BOX MULTI	2.5" CAL 10'H X 8'W	28
SHRUBS				
●	LARREA TRIDENTATA CREOSOTE	5 GAL		300
●	CALLIANDRA CALIFORNICA FAIRY DUSTER	5 GAL		96
●	ENCELIA FARINOSA BRITTLEBUSH	1 GAL		441
TOPDRESS / DUST CONTROL				
□	ORGANIC MULCH TOP DRESSING, PROVIDED ONSITE BY OWNER, IN ALL PLANTING AREAS. 3" DEPTH MIN.			2.5 AC

PAVING LEGEND			
▨	ASPHALT. SEE CIVIL.	▨	ASPHALT MILLINGS. SEE CIVIL.
▨	7" PCCP. SEE CIVIL.	▨	9" PCCP W/ SACRIFICIAL TOPPING SLAB. SEE CIVIL.
▨	9" PCCP. SEE CIVIL.	▨	HDPE LINER. SEE CIVIL.
▨	STRUCTURAL SECTION. SEE CIVIL.	▨	PALLIATIVE DUST COVER. SEE CIVIL.
		▨	GUNITE. SEE CIVIL.

BOULDER SCHEDULE			
SYM.	BOULDER	SIZE	QTY.
A	LARGE SURFACE SELECT GRANITE BOULDER	3' X 4' X 5'	30
B	MEDIUM SURFACE SELECT GRANITE BOULDER	3' X 3' X 3'	56
C	SMALL SURFACE SELECT GRANITE BOULDER	2' X 2' X 3'	56

- LANDSCAPE KEYNOTES**
- PROPERTY LINE / R.O.W.
 - LIMIT OF CONSTRUCTION / SCOPE OF WORK
 - GABION WALL AS SUPPLIED BY HILFKEK RETAINING WALLS WALL HEIGHT 2'-0". SEE DETAIL 4/L2.1
 - JUTE NETTING, EROSION CONTROL. SEE DETAIL 3/L2.1
 - FIRE HYDRANT. 3' CLEARANCE PROVIDED.
 - 12' HIGH RETAINING WALL. SEE STRUCTURAL.
 - RE-PURPOSED CONCRETE PIPE.
- NOTE**
- OVERHEAD POWERLINES LOCATED OUTSIDE THE SCOPE OF WORK.
 - ALL PERIMETER GRADES ADJACENT TO STREETS AND RIGHT OF WAY, SHALL PREVENT NUISANCE WATER FROM LEAVING THE SITE. SEE CIVIL GRADING & DRAINAGE PLANS.

AS-BUILT



KIVA#: 09-3296; SDEV#: 0900363; CCPR#: 1601852; APN#: 105-42-002B; ENVR#: 100024; H#:10021; QS#: 6-22; ZONING: A-1; ZONING CASE#: Z-SP-24-01/Z-SP-28-07

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REGISTERED LANDSCAPE ARCHITECT
CERTIFICATE NO. 22612
KRISTINA J. FLOOR
02-10-17
EXPIRES: 12/31/17

FLOOR
associates
1425 N. First Street
Second Floor
Phoenix, AZ 85004
602.462.1425 F
602.462.1427 F
floorassociates.com

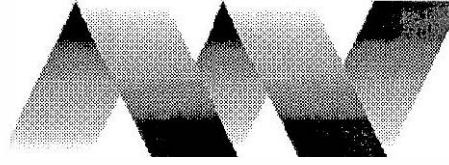
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3060 SOUTH 27TH AVENUE
PHOENIX, ARIZONA 85009

NO.	REVISION	DATE
1	ASI-006	12/09/2016
2	ASI-012	2/10/2017
PROJECT NO.: 2014.057		
DATE: 02/10/2017		
DESIGNED BY: IC / MT		
DRAWN BY: IC / MT		
APPROVED BY: CB		
SHEET TITLE:		
ENLARGED LANDSCAPE PLAN		
SHEET NUMBER:		
L-1.1 02 OF 09		

LANDSCAPE SUBMITTAL

MATCHLINE - SEE SHEET L-1.1

MATCHLINE - SEE SHEET L-1.3



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22612
02.10.17
EXPIRES: 12/31/17



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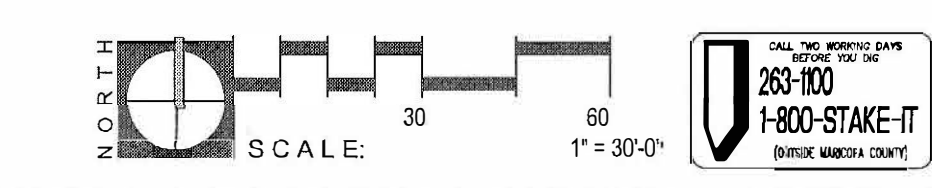
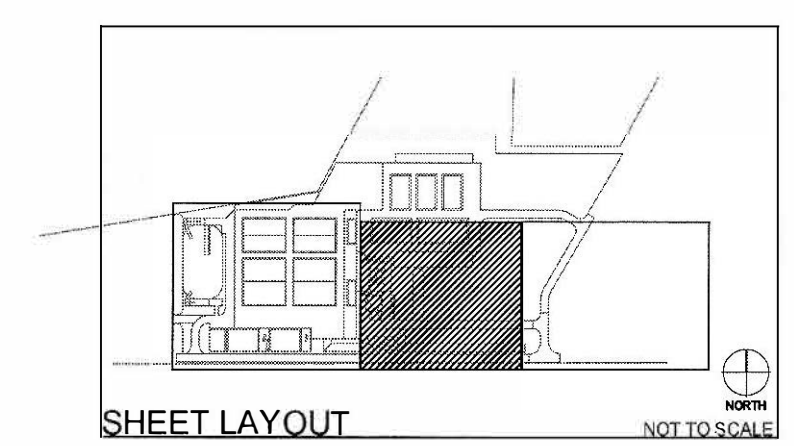
PLANT LEGEND				
SYM.	BOTANICAL NAME SYM. COMMON NAME	SIZE	MIN. CAL HT X W	QTY.
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⊗	PARKINSONIA FLORIDA BLUE PALO VERDE	36" BOX MULTI	2" CAL. 10'H X 6'W	6
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□	ORGANIC MULCH TOP DRESSING, PROVIDED ONSITE BY OWNER, IN ALL PLANTING AREAS. 3" DEPTH MIN.			2.5 AC

PAVING LEGEND			
⊗	ASPHALT. SEE CIVIL.	⊗	ASPHALT MILLINGS. SEE CIVIL.
⊗	7" PCCP. SEE CIVIL.	⊗	9" PCCP W/ SACRIFICIAL TOPPING SLAB. SEE CIVIL.
⊗	9" PCCP. SEE CIVIL.	⊗	HDPE LINER. SEE CIVIL.
⊗	STRUCTURAL SECTION. SEE CIVIL.	⊗	PALLIATIVE DUST COVER. SEE CIVIL.
		⊗	GUNITE. SEE CIVIL.

BOULDER SCHEDULE			
SYM.	BOULDER	SIZE	QTY.
A	LARGE SURFACE SELECT GRANITE BOULDER	3' X 4' X 5'	30
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- LANDSCAPE KEYNOTES**
- 1 PROPERTY LINE / R.O.W.
 - 2 LIMIT OF CONSTRUCTION / SCOPE OF WORK
 - 3 GABION WALL AS SUPPLIED BY HILFIKER RETAINING
WALLS WALL HEIGHT 2'-0". SEE DETAIL 4/L2.1
 - 4 JUTE NETTING, EROSION CONTROL. SEE DETAIL 3/L2.1
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 - 6 12' HIGH RETAINING WALL. SEE STRUCTURAL.
 - 7 RE-PURPOSED CONCRETE PIPE.
- NOTE**
1. OVERHEAD POWERLINES LOCATED OUTSIDE THE SCOPE
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 2. ALL PERIMETER GRADES ADJACENT TO STREETS AND RIGHT
OF WAY, SHALL PREVENT NUISANCE WATER FROM LEAVING
THE SITE. SEE CIVIL GRADING & DRAINAGE PLANS.

AS-BUILT



NO.	REVISION	DATE
1	ASI-006	12/09/2016
2	ASI-012	2/10/2017
PROJECT NO.: 2014.057		
DATE: 02/10/2017		
DESIGNED BY: IC / MT		
DRAWN BY: IC / MT		
APPROVED BY: CB		
SHEET TITLE: ENLARGED LANDSCAPE PLAN		
SHEET NUMBER: L-1.2 03 OF 09		