ELECTRIC WORK REQUEST

4680150

☐ C ☐ T ☒ V: MERTON

CUST/PROJ NAME: STONE RIDGE PH 3

PROJECT LOCATION: SERENITY DR &TRAPPERS RUN

PREPARED BY: JENNIFER BIEL (U)

E-MAIL: JENNIFER.BIEL@WE-ENERGIES.COM

OFFICE #: _____ CELL #: 618-407-8185

PROJECT ID: DE4664476 IO #: 14324

OPERATING MAPS: 3924-7736-04

EXISTING FEEDER: Z46182 BARK RIVER

PROPOSED FEEDER: Z46182 BARK RIVER

T-R-S - ¼Q: T8N R19E SEC 30NW CGS#: _____

TYPE OF WORK:

☒ SUBDIVISION-UNDERGROUND FACILITIES
☐ SUBDIVISION-OVERHEAD FACILITIES
☐ SUBDIVISION STREET LIGHT - UNDERGROUND FACILITIES
☐ SUBDIVISION STREET LIGHT - OVERHEAD FACILITIES
☐ SUBDIVISION - RELOCATE FACILITIES
☐ OTHER: _____

STAKING REQUIREMENTS:

☒ SURVEYOR ☐ STAKED
☐ DESIGNER ☐ NOT NEEDED

RESTORE PRIVATE PROPERTY:

☐ YES ☐ NO

JU COMPANY: _____ **JOB #** _____

ENGINEERING CONTACT: _____ CONSTRUCTION CONTACT: _____

PHONE # _____ PHONE # _____

CONSTRUCTION EMAIL: _____

EXCEPTIONS/ JU SIGNATURES: _____

JU COMPANY: _____ **JOB #** _____

ENGINEERING CONTACT: _____ CONSTRUCTION CONTACT: _____

PHONE # _____ PHONE # _____

CONSTRUCTION EMAIL: _____

EXCEPTIONS/ JU SIGNATURES: _____

CONTACT JU PARTNERS 3-5 DAYS PRIOR TO CONSTRUCTION.

JOINT USE KEY:
____ = _____
____ = _____
____ = _____
____ = _____

RELATED WORK REQUESTS:
OH: _____
DB: _____
SLDB _____
SLOH: _____

☐ ROW TO OBTAIN EASEMENT / ADD EASEMENT. SURVEYOR TO STAKE C/L AND MARK WIDTH OF EASEMENT ON STAKE.
☒ ROW TO CONTACT CST/DESIGNER FOR EASEMENT REQ'S.
☐ NO NEW EASEMENTS REQUIRED

DEVELOPER:
COMPANY NAME TRI-QUIST INC
ADDRESS 8546 E COUNTRY CLUB TR
CITY, STATE SCOTTSDALE AZ 85255
CONTACT NAME ALBIN HALQUIST
PHONE 602-369-8266
EMAIL ACHII@ME.COM

ENGINEERING:
COMPANY NAME SEH INC
CONTACT NAME KEITH KINDRED
PHONE 414-949-8919, 262-370-0165
EMAIL KKINDRED@SEHINC.COM

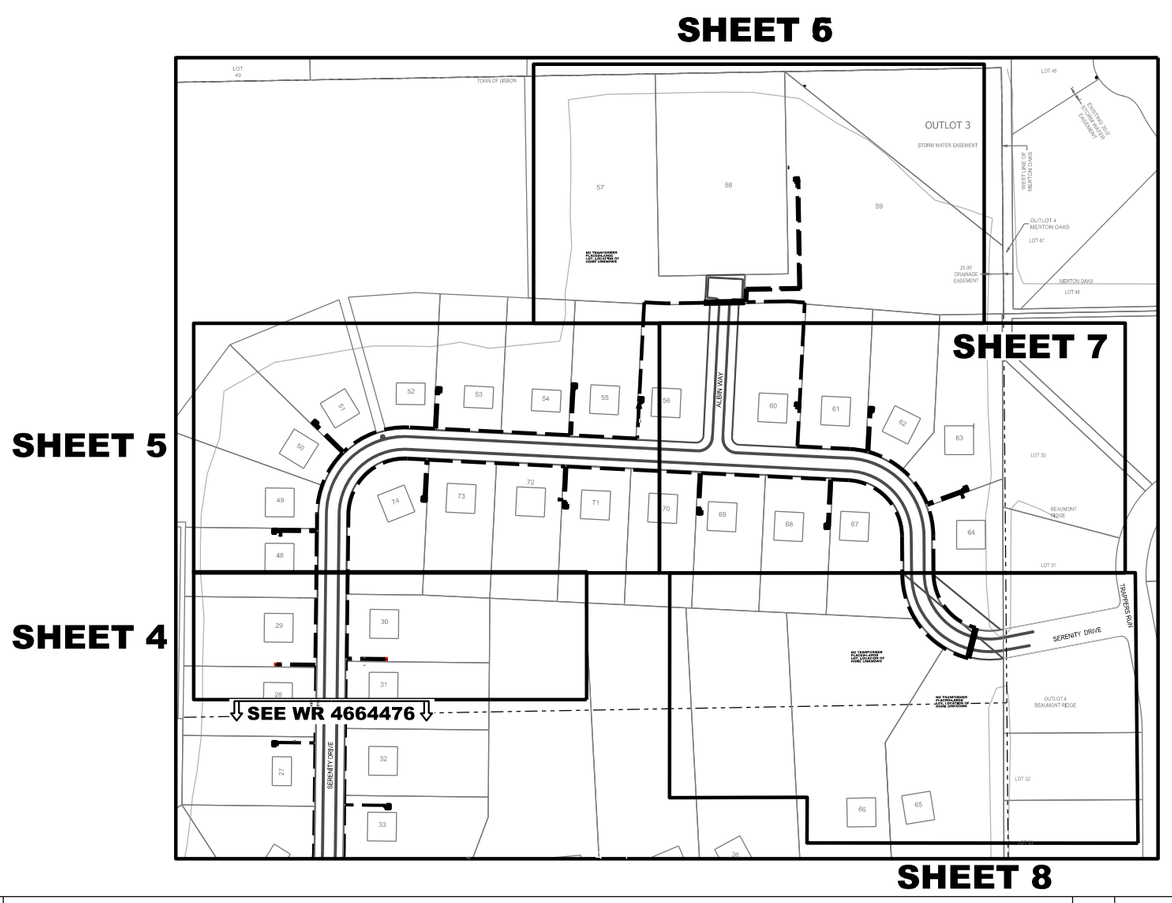
TOTAL TRENCH LENGTH: 7,067'
TOTAL BORE LENGTH: 152'
TOTAL NUMBER OF TRANSFORMERS: 13
TOTAL NUMBER OF PEDESTALS: 0

DIMENSIONING NOTES:
ALL CABLES TO BE INSTALLED 3' OFF P/L UNLESS OTHERWISE NOTED

NOTES:
* WE ENERGIES WILL NOT RESTORE OR HAUL SPOIL UNLESS OTHERWISE NOTED ON SKETCH
* CUSTOMER/DEVELOPER IS RESPONSIBLE FOR LOCATING ANY/ALL PRIVATE UNDERGROUND FACILITIES AND/OR OBSTRUCTIONS INCLUDING THOSE THAT HAVE NOT YET BEEN TURNED OVER TO THE MUNICIPALITY
* WE ENERGIES AND/OR ITS CONTRACTORS ARE NOT RESPONSIBLE FOR DAMAGE TO UNMARKED FACILITIES
* CUSTOMER/DEVELOPER AND THEIR CONTRACTORS/SUB–CONTRACTORS MUST KEEP WE ENERGIES EASEMENT AREAS FREE AND CLEAR OF OBSTURCTIONS AND ENSURE ACCESS TO EASEMENT AREAS IS PROVIDED INCLUDING, BUT NOT LIMITED TO: DUMPSTERS, SPOIL, BACKFILL MATERIAL, ETC.
* CUSTOMER/DEVELOPER AND THEIR CONTRACTORS/SUB–CONTRACTORS MUST ENSURE THAT GRADE AT TIME OF WE ENERGIES INSTALLATION IS WITHIN 4" OF FINAL GRADE INCLUDING ANY PLANS FOR FUTURE LANDSCAPING
* ANY FIELD ADJUSTMENTS TO SIGNED/APPROVED SKETCH MAY RESULT IN ADDITIONAL COSTS INCURRED BY THE DEVELOPER
* WE ENERGIES IS NOT RESPONSIBLE FOR DAMAGE TO TREES AND/OR ROOTS LOCATED ALONG TRENCH ROUTE
* WE ENERGIES AND/OR ITS CONTRACTORS WILL CLEAN ANY MUD/DEBRIS THAT IS TRACKED ONTO EXISTING ROADS AS A RESULT OF THEIR CONSTRUCTION DAILY
* WE ENERGIES AND ITS CONTRACTORS ARE NOT RESPONSIBLE FOR COMPACTION ISSUES OR DAMAGES TO GRAVELED ROADS
* ANY ADDITIONAL SPECIAL NOTES OR PROVISIONS

_____ _____
CUSTOMER'S SIGNATURE OF APPROVAL DATE

PH 2 WR 4664476 TO BE INSTALLED AT SAME TIME AS PH 3



EROSION CONTROL NOTES

☒ IF DISTURBANCE OCCURS IN SUMMER, FINAL STABILIZATION SHALL BE PERMANENT SEED AND PROPERLY ANCHORED MULCH, UNLESS NOTED. IF DISTURBANCE OCCURS IN WINTER, TEMPORARY STABILIZATION SHALL BE SOIL STABILIZER, UNLESS NOTED. FINAL STABILIZATION IS REQUIRED IN SPRING.
☐ IF DISTURBANCE OCCURS WITHIN THE SLOPE INTERCEPT, FINAL STABILIZATION SHALL BE SOIL STABILIZER, UNLESS NOTED. IF DISTURBANCE OCCURS OUTSIDE THE SLOPE INTERCEPT, FINAL STABILIZATION SHALL BE PERMANENT SEED AND PROPERLY ANCHORED MULCH, UNLESS NOTED.
☐ IF DISTURBANCE OCCURS IN AGRICULTURAL FIELDS, SOIL SEGREGATION WILL NEED TO TAKE PLACE TO RETURN FIELDS TO PRE-CONSTRUCTION SOIL STRATIFICATION AND TO PRE-CONSTRUCTION ELEVATIONS.
☐ DEPENDING ON THE TIME OF YEAR AND WEATHER CONDITIONS, CONSIDER USING PLATES/MATS IN WETLANDS OR CROSSING DITCHES.
☒ STOCKPILE MATERIALS SHALL BE PLACED UPSLOPE FROM EXCAVATION. IF STOCKPILE MATERIALS MUST BE PLACED DOWNSLOPE OF EXCAVATION, PROTECT STOCKPILES WITH 12" WATTLES.
☐ PROJECT SPECIFIC EROSION CONTROL NOTES:

WR 4680150

REV.	DESCRIPTION	BY	DATE
0	DESIGN APPROVED FOR CONSTRUCTION	JB	10/27/21

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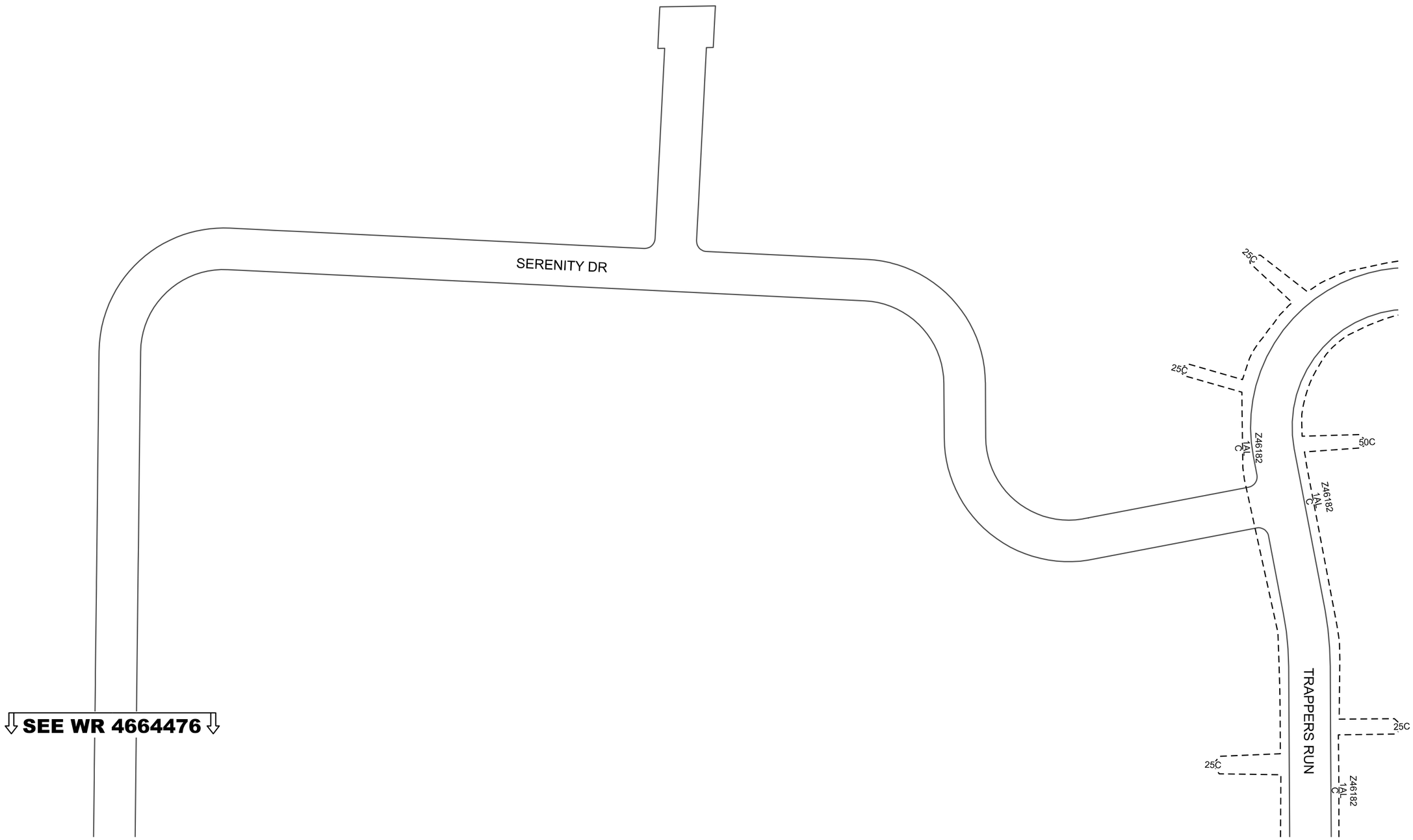
U:\Data\@Work Management\Western\DESC\@DESC 4680000 – 4699999\4680151\4680150\4680150 (9-30-21).dgn

ELECTRIC WORK REQUEST

4680150

EXISTING FEEDER Z46182

N



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ELECTRIC WORK REQUEST

4680150

PROPOSED FEEDER Z46182

N

50C
1AL
C
ALBIN WAY
SERENITY DR
FCI# 801880
FCI# 801881
FCI# 801879
SEE WR 4664476
25C
Z46182
TRAPPERS RUN

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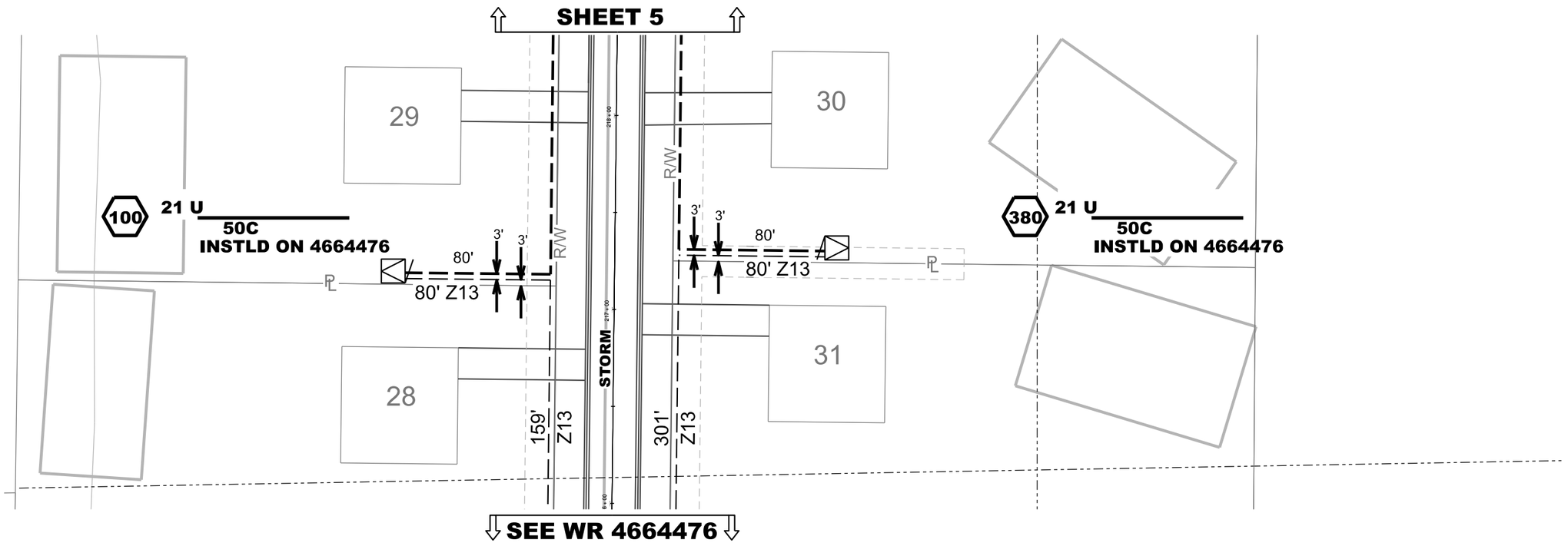
ELECTRIC WORK REQUEST

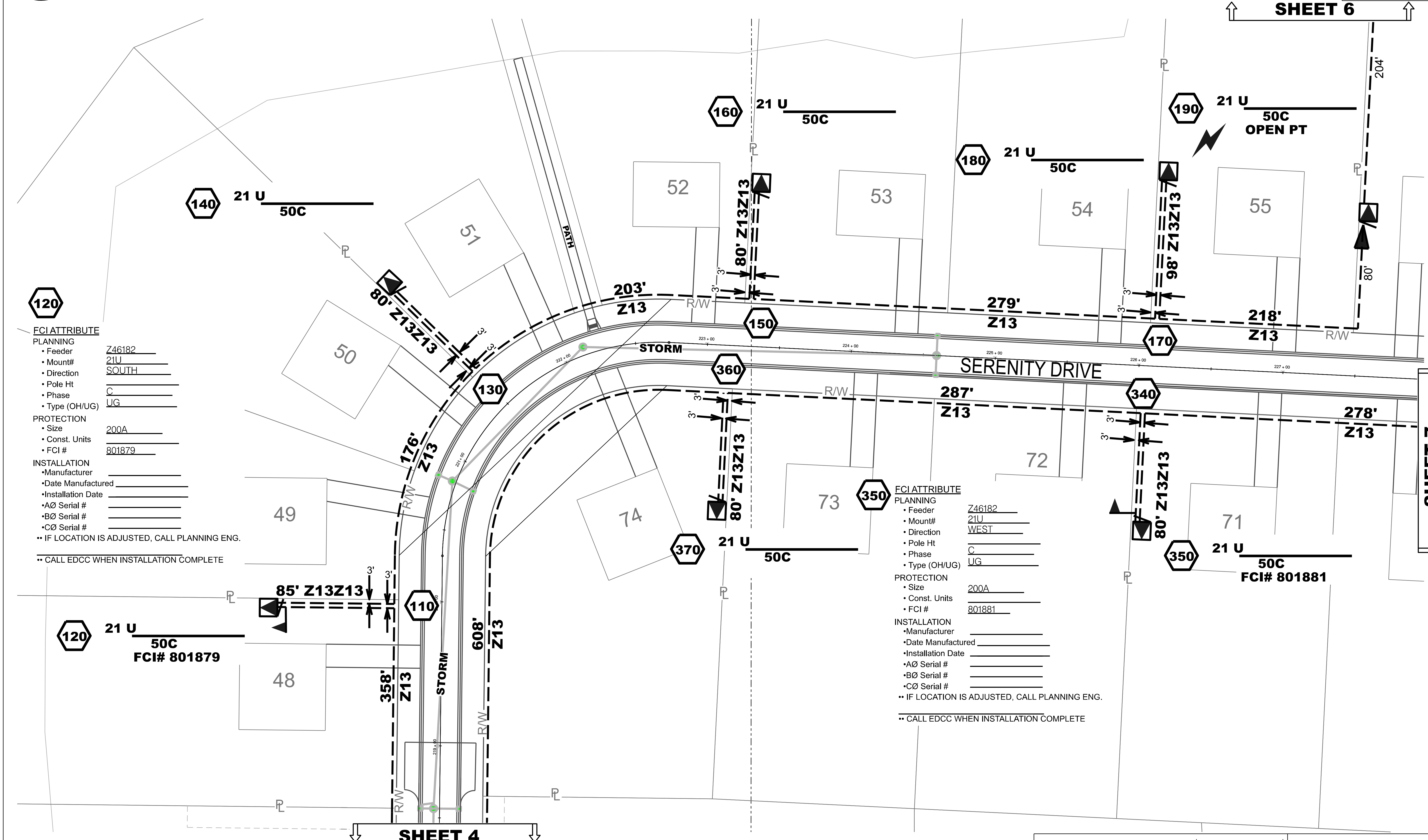
4680150

N



ELECTRIC WORK REQUEST

4680150



N
SHEET 6
SHEET 7
SHEET 4
SERENITY DRIVE
PATH
STORM
STORM
R/W
160
21 U
50C
190
21 U
50C
OPEN PT
180
21 U
50C
140
21 U
50C
120
FCI ATTRIBUTE
PLANNING
• Feeder Z46182
• Mount# 21U
• Direction SOUTH
• Pole Ht
• Phase C
• Type (OH/UG) UG
PROTECTION
• Size 200A
• Const. Units
• FCI # 801879
INSTALLATION
•Manufacturer
•Date Manufactured
•Installation Date
•AØ Serial #
•BØ Serial #
•CØ Serial #
•• IF LOCATION IS ADJUSTED, CALL PLANNING ENG.
•• CALL EDCC WHEN INSTALLATION COMPLETE
120
21 U
50C
FCI# 801879
85' Z13Z13
110
130
150
170
360
340
370
21 U
50C
350
FCI ATTRIBUTE
PLANNING
• Feeder Z46182
• Mount# 21U
• Direction WEST
• Pole Ht
• Phase C
• Type (OH/UG) UG
PROTECTION
• Size 200A
• Const. Units
• FCI # 801881
INSTALLATION
•Manufacturer
•Date Manufactured
•Installation Date
•AØ Serial #
•BØ Serial #
•CØ Serial #
•• IF LOCATION IS ADJUSTED, CALL PLANNING ENG.
•• CALL EDCC WHEN INSTALLATION COMPLETE
350
21 U
50C
FCI# 801881
80' Z13Z13
80' Z13Z13
98' Z13Z13
80' Z13Z13
80' Z13Z13
203' Z13
279' Z13
218' Z13
287' Z13
278' Z13
176' Z13
358' Z13
608' Z13
204'
80'
3'
52
53
54
55
51
50
49
48
74
73
72
71

SCALE 1" = 60'

SHEET 5 OF 10

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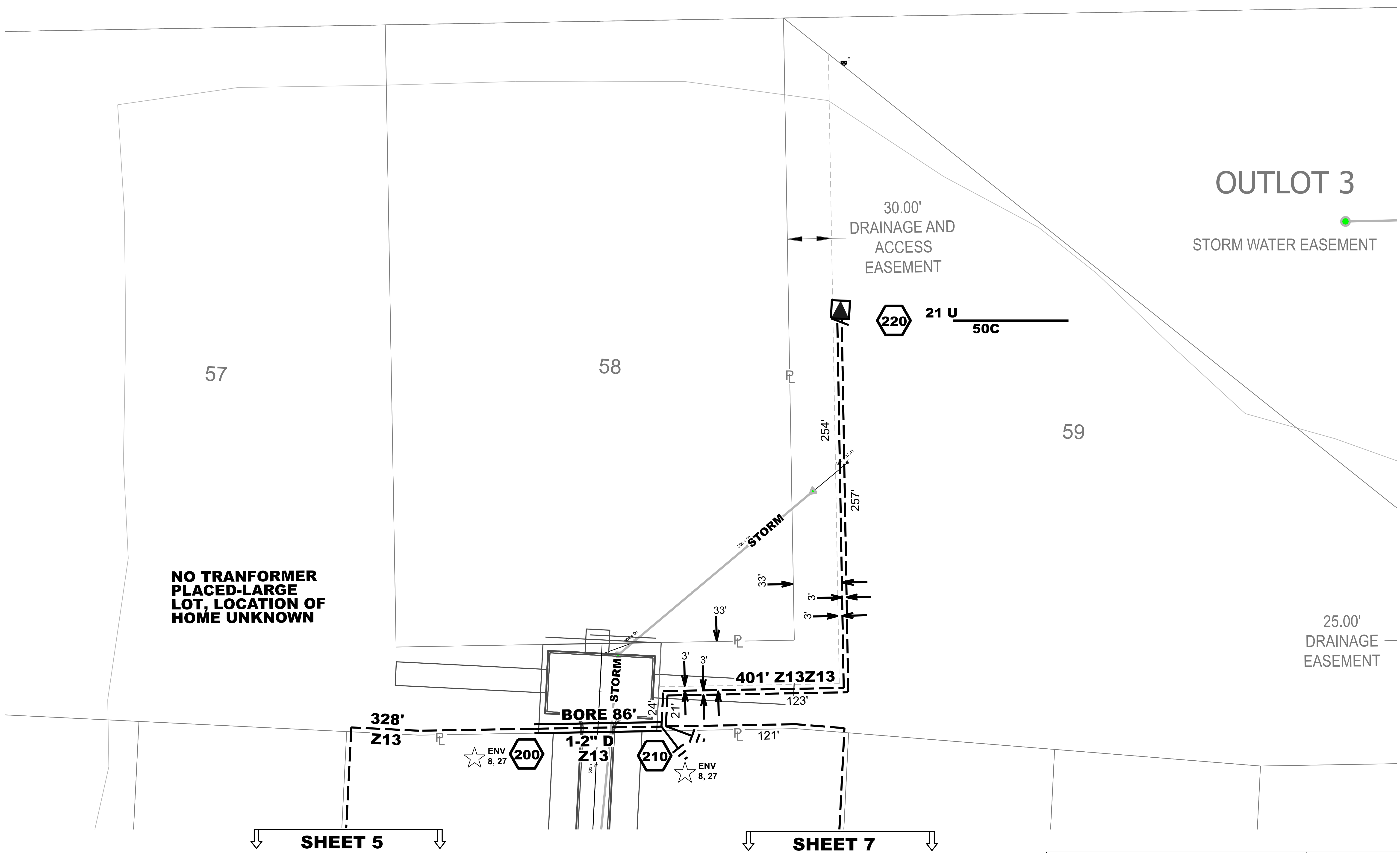
ELECTRIC WORK REQUEST

4680150



SCALE 1" = 60'

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ELECTRIC WORK REQUEST

4680150

N

SHEET 6

SHEET 5

SHEET 8

ALBIN WAY

SERENITY DRIVE

STORM

R/W

P/L

56

60

61

62

63

64

69

68

67

70

230 — 21 U — 50C

250 — 21 U — 50C

270 — 21 U — 50C — FCI# 801880

320 — 21 U — 50C

330 — 21 U — 50C

310 — 21 U — 50C

336' Z13

85'

231' Z13

84' Z13Z13

240

169' Z13

83' Z13Z13

300

269' Z13

97' Z13Z13

80' Z13Z13

260

533' Z13

60.00'

3'

WEST LINE OF BEAUMONT RIDGE

BEAUMONT RIDGE

LOT 29
N60W27379

WEST MERT

LOT 30
N60W27369

BEAUMONT RIDGE

N60W27357
LOT 31

FCI ATTRIBUTE

PLANNING
- Feeder: Z46182
- Mount#: 21U
- Direction: SOUTH
- Pole Ht:
- Phase: C
- Type (OH/UG): UG

PROTECTION
- Size: 200A
- Const. Units:
- FCI #: 801880

INSTALLATION
- Manufacturer:
- Date Manufactured:
- Installation Date:
- AØ Serial #:
- BØ Serial #:
- CØ Serial #:

•• IF LOCATION IS ADJUSTED, CALL PLANNING ENG.

•• CALL EDCC WHEN INSTALLATION COMPLETE

SCALE 1" = 60'

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ELECTRIC WORK REQUEST

4680150

N

SHEET 7

68

67

64

N60W27357

TRAPPERS RUN

RW

298'
Z13

280
ENV
8, 27

STORM

RW

BORE 66'
1.2" D
Z13

STATION=237+85.96
OFFSET=0.00

239 + 00

238 + 00

SERENITY DRIVE

290
ENV
8, 27

NO TRANFORMER PLACED-LARGE LOT, LOCATION OF HOME UNKNOWN

36

NO TRANFORMER PLACED-LARGE LOT, LOCATION OF HOME UNKNOWN

OUTLOT 4
BEAUMONT RIDGE

LOT 32

66

65

LOT 33

SCALE 1" = 60'

SHEET 8 OF 10

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4680150

120

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

140

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

160

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

180

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

190

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

220

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

230

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

250

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

270

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

50C

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

4680150

310

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

50C

370

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

50C

MANUFACTURER: _____
KVA: _____
VOLTAGE: _____
LOCATION ID: _____
PHASE: _____
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

330

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

50C

MANUFACTURER: _____
KVA: _____
VOLTAGE: _____
LOCATION ID: _____
PHASE: _____
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

MANUFACTURER: _____
KVA: _____
VOLTAGE: _____
LOCATION ID: _____
PHASE: _____
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

350

MANUFACTURER: _____
KVA: 50
VOLTAGE: 120/240
LOCATION ID: 21U
PHASE: C
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

50C

MANUFACTURER: _____
KVA: _____
VOLTAGE: _____
LOCATION ID: _____
PHASE: _____
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

MANUFACTURER: _____
KVA: _____
VOLTAGE: _____
LOCATION ID: _____
PHASE: _____
FLUID TYPE: _____ DESIGN IZ: _____
SERIAL: _____
MATERIAL #: _____
ASSET ID #: _____
3 PHASE TRANSFORMER LOAD BREAK SWITCHES? ☐Y ☐N

FOR SOC USE ONLY
WE ENERGIES EQUIPMENT ENERGIZED ☐Y ☐N
Customer EQUIPMENT ENERGIZED ☐Y ☐N EDC: _____
SWITCHED BY: _____ DATE/TIME: _____

WE ENERGIES - ELECTRIC OPERATIONS

CLEARANCE NOTES:

-LOCATION OF OBSTRUCTIONS ARE FROM RECORDS AND MUST BE VERIFIED IN THE FIELD.
-MAINTAIN 2' MIN. CLEARANCE BETWEEN OUTSIDE FACE OF MANHOLE & BELL OF PIPE.
-THIS APPLIES TO GAS AND WATER MAINS.
-MAINTAIN 2' MIN. VERTICAL CLEARANCE AT CROSSINGS OF SEWER OR WATER MAINS.
-MAINTAIN 5' MIN. HORIZONTAL DIST. BETWEEN CONDUIT AND SEWER.
-MAINTAIN 3' MIN. HORIZONTAL DIST. BETWEEN CONDUIT AND WATER MAINS.
NOTE - CLEARANCES SHOWN ARE MINIMUM DISTANCES - REFERENCE PERMITS FOR SPECIFIC CLEARANCE REQUIREMENTS. ADDITIONAL UNDERGROUND INFORMATION ON EXCAVATION, BACKFILLING AND CLEARANCES CAN BE FOUND IN STD. 281-02.

STANDARD WIRE KEY

OVERHEAD PRIMARY
E, F, H, Q, R, W, X or Z

Z	1 #2 ACSR
Z1	1 #1/0 ACSR
Z2	1 #3/0 ACSR
Z3	3 #2 ACSR
Z4	3 #1/0 ACSR
Z5	3 #3/0 ACSR
Z7	3 #336 ACSR
Z9	SPECIAL LIST ON SKETCH
Z10	1 WIRE REMOVAL
Z11	2 WIRE REMOVAL
Z12	3WIRE REMOVAL

DIRECT BURY PRIMARY - E, F, H, Q, R, W, X or Z

Z13	1 #1 AL 25KV	X22	1 #2 Cu 15kV
Z14	3 #1 AL 25KV	X23	3 #2 Cu 15kV
Z15	3 #500 AL 28KV	Z24	1 #2 Cu 25kV
X16	1 #2 AL 15KV	Z25	3 #2 Cu 25kV
X17	3 #2 AL 15KV	X26	3 #500 Cu 15kV
X18	3 #500 AL 15KV	Z27	3 #500 Cu 28kV
R19	3 #1/0 AL 35KV	Z28	3 #750 Cu 28kV
R20	3 #750 AL 35KV	Z29	SPECIAL - LIST ON SKETCH
Z21	3 #750 AL 28KV		

NEUTRAL

N	1-#2 ACSR
N1	1-#1/0 ACSR
N2	1-#3/0 ACSR
N3	1-#4/0 AL
N4	1-#336 ACSR
N5	REMOVAL

GUYING

G	1/4" ARM GUY
G1	5/16" ARM GUY
G2	3/8" ARM GUY
G3	5/16" POLE GUY
G4	3/8" POLE GUY
G5	7/16" POLE GUY

SECONDARY - 1PHASE

S	6DX
S1	4 TX
S2	2 TX
S3	1/0 TXR
S4	3/0 TXR
S5	350 TXR
S6	750 TXR
S7	1/0 TXF
S8	4/0 TXF
S9	336 TXR
S10	750 TXF
S11	3 WIRE REMOVAL
S12	3 WIRE MAIN
S14	6DX CIC
S15	1/0TX CIC

SECONDARY - 3PHASE

$	1/0 TXF
$1	4/0 TXF
$2	336 TXF
$3	3/0 TX
$4	350 TX
$5	750 TX
$6	1/0 QXF
$7	3/0 QXF
$8	350 QXR
$9	750 QXR
$10	3 WIRE REMOVAL
$11	3/0 QXR
$12	4 WIRE REMOVAL

EROSION CONTROL LEGEND

ENV 8, 27	APPROXIMATE LOCATION FOR UNDERGROUND FACILITY EXCAVATION
A/B/C/D	INLET PROTECTION, TYPE
	12" WATTLE or 12"/20" SEDIMENT LOG or 9.5"/20" EROSION EEL
	STONE DITCH CHECK
	ROCK BAG
	MULCH
	SOIL STABILIZER, TYPE B
	EROSION MAT CLASS I, TYPE A
	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS I, TYPE A URBAN
	EROSION MAT CLASS I, TYPE B URBAN
	EROSION MAT CLASS II
	EROSION MAT CLASS III
	VEGETATIVE BUFFER
	TRACKING PAD
	TIMBER MAT
	SILT FENCE
DW	APPROXIMATE DEWATERING BASIN LOCATION
	SURFACE WATER FLOW

WE ENERGIES WORK REQUEST ENVIRONMENTAL NOTES (Notes 1 through 7 apply to ALL work requests)

General

1. If WDNR and/or USACE permits were obtained for the project, all permit conditions shall be met during construction of the project.

Erosion Control

2. If soil disturbance occurs on slopes or channels/ditches leading to wetlands or waterways, or within wetlands, the disturbed areas shall be stabilized and appropriate erosion control Best Management Practices (BMP's) shall be implemented.
3. Erosion Control BMR's shall meet or exceed the approved WDNR Storm Watter Management Technical Standards (http://dnr.wi.gov/topic/stormwater/standards/const_standards.html). Refer to We Energies Construction Site Sediment and Erosion Control Standards.
4. Inspect installed erosion control BMP's at least one time per week and after ½" rain events: repair as necessary.
5. When temporary stabilization is required (e.g. for winter or short-term construction) prior to final restoration, soil stabilizer shall be installed wherever possible. Erosion mat shall be used temporarily only where appropriate, in accordance with state standards, and when approved by the Operations Supervisor.

Contaminated Soils

6. Whenever soil exhibiting obvious signs of contamination (e.g., discoloration, petroleum or solvent odor, free liquids other than water, buried containers or tanks, or other obvious signs of environmental impacts) is encountered during excavation or installation, cease work immediately, take appropriate immediate precautions to ensure worker health and safety, and contact the Operations Supervisor or Inspector.

Spills

7. If an oil spill occurs during construction, call the Environmental Incident Response Team (EIRT) at 414-430-3478:
   a. Any quantity of oil is spilled into surface water;
   b. Any oil spill greater than 50 ppm PCB into a sewer, vegetable garden, or grazing land;
   c. Any oil spill containing greater than 500 ppm PCB;
   d. Five gallons or more of oil spilled to the ground;
   e. Any oil spill involving a police department, fire department, DNR, or concerned property owner.

Notes 8 through 27 apply as noted at specific points within each work request:

Dewatering

8. Dewatering of pits or trenches shall be done in accordance with state standards. Use an approved sediment bag, a straw bale dewatering basin, a combination of both, or equivalent.

Wetlands

9. As much as practicable, the majorityof the work shall be staged from the public roadways and road shoulders, keeping equipment out of adjacent wetlands.
10. All work shall be conducted to minimize soil disturance. No rutting will be allowed within the wetlands.
11. If soils are not frozen or stable to a point that avoids rutting, timber mats, mud tracks, or equivalent shall be utilized to access pole locations.
12. Excavated soils cannot be stockpiled in wetlands.
13. All excess spoils shall be removed from wetlands and placed in a suitable upland location.
14. Trenching and pit excavations within wetlands shall include soil segregation to facilitate restoration of pre-construction soil stratification, and restoration to pre-construction elevations.
15. Poles scheduled to be removed, and that occur within wetland, shall be cut at the ground surface.

Waterways

16. No work can be performed within the banks or below the ordinary high watermark of any navigable waterways/streams.
17. No crossing of navigable waterways with equipment can occur. Foot traffic is allowed.
18. Any disturbed soil within 75-feet of the ordinary high water mark of any navigable waterways/streams shall be stabilized within 24 hours of construction completion.

Threatened and Endangered Species

19. Threatened or endangered species are known to occur in the work area. It is illegal to harass, harm, or kill a protected species under state and federal regulations. Proper precautions shall be taken to ensure harm to individuals is avoided.
20. In order to protect the threatened or endangered species, work must be conducted between November 5 and March 15.
21. Exclusion fencing must be installed at the work area prior to March 15.
22. A qualified biologist must be present when conducting work at this location.

Invasive Species

23. State regulated invasive species are known to occur in the work area. Reasonable precautions are legally required to prevent the spread of these species. The Wisconsin Council on Forestry Transportation and Utility Rights-of Way Best Management Practices should be followed: (http://council.wisconsinforestry.org/invasives/transportation/).

Cultural and Historical Resources, cont.

24. The project is within or adjacent to an area that is identified by the State of Wisconsin as potentially having Native American artifacts, burial mounds or burial sites, which could be encountered during construction.
25. If human bone or any artifacts are discovered during construction, work must cease immediately. Contact the Environmental Department who will contact the State Burial Sites Preservation Office and determine the next steps that must be taken in order to comply with state law. Work at that site MAY NOT PROCEED until the Environmental Department authorizes it.
26. A "qualified archaeologist," as specified under Wis. Stats 157.70 (1) (i) and Wis. Admin. Code HS 2.04 (6), must be present to monitor all ground disturbing activities.

Frac-out Contingency Plan

27. A frac-out contingency plan shall be on-site and implemented accordingly. The contingency plan shall incorporate the following components.
   a. Continuously inspect the bore paths for frac-outs in order to respond quickly and appropriately.
   b. Containment materials (e.g. silt fence, straw bales, sand bags, etc.) shall be on site and available should a frac-out occur.
   c. A vac truck shall be accessible on short notice in order to respond quickly to a frac-out.