



ELEC WR **MN 4269371**

GAS WR

CITY / TOWN / VILLAGE: CITY OF MILWAUKEE

CUST/PROJ NAME: RENATA BUNGER

PROJECT LOCATION: 2045 N 2ND ST (ALLEY)

WORK DESCRIPTION: FACILITY RELOCATE - OH SERVICE

PREPARED BY: EHSON RAD

E-MAIL: EHSON.RAD@WE-ENERGIES.COM

OFFICE #: _____ CELL #: 414.323.0446

PAGER #: _____ IO #: 75663

PROJECT ID: _____ CGS #: _____

DATE PREPARED: 09.10.2018 DATE REVISED: _____

RAILROAD PERMITTING/FLAGGING REQUIRED YES NO RR NAME _____

CORROSION CONTACT: _____ PHONE #: _____

JOB INFO:

SECTION / TOWN / RANGE: NE1/4 SEC 22, T7N, R20E

SITE VISIT COMPLETED BY: EHSON RAD

JOB OWNER: ANGELA WEBB (414) 449-3012

MAIN CONTACTS:

- CONTRACTOR/BUILDER:
- PLUMBER/HVAC:
- ELECTRICIAN:
- CUSTOMER: RENATA BUNGER (262) 374-0215

CONTINGENCIES & COMMENTS:

DIGGERS HOTLINE / MISS DIG REQUIRED
 WE ENERGIES WILL / WILL NOT RESTORE ROAD ROW
 WE ENERGIES WILL / WILL NOT HAUL SPOIL
 CUSTOMER IS REQUIRED TO LOCATE ALL PRIVATE UNDERGROUND FACILITIES PRIOR TO INSTALLATION
 WE ENERGIES IS NOT RESPONSIBLE FOR ROOT DAMAGE

CONSTRUCTION REMARKS

* _____
* _____

CUSTOMER'S SIGNATURE OF APPROVAL _____ DATE _____

CRITICAL SAFETY RULES - EO:

1. Enclosed space procedures
2. Excavation and shoring
3. Rubber gloves and sleeves
4. Fall protection
5. Lock out - Tag out
6. Seat belts
7. Securing parked vehicles

COMMON INFORMATION

STAKING REQUIREMENTS:

- SURVEYOR
- STAKED
- DESIGNER
- NOT NEEDED

MAIN / SERVICE IN EASEMENT:

- YES
- NO

RESTORE PRIVATE PROPERTY: WE ENERGIES CUSTOMER

WORK IS APPROX 90 FT, DIRECTION S OF CL OF W LLOYD ST (ALLEY) NEAREST CROSS STREET
(ALSO FOR GAS SERVICE TEE)

ELECTRIC INFORMATION

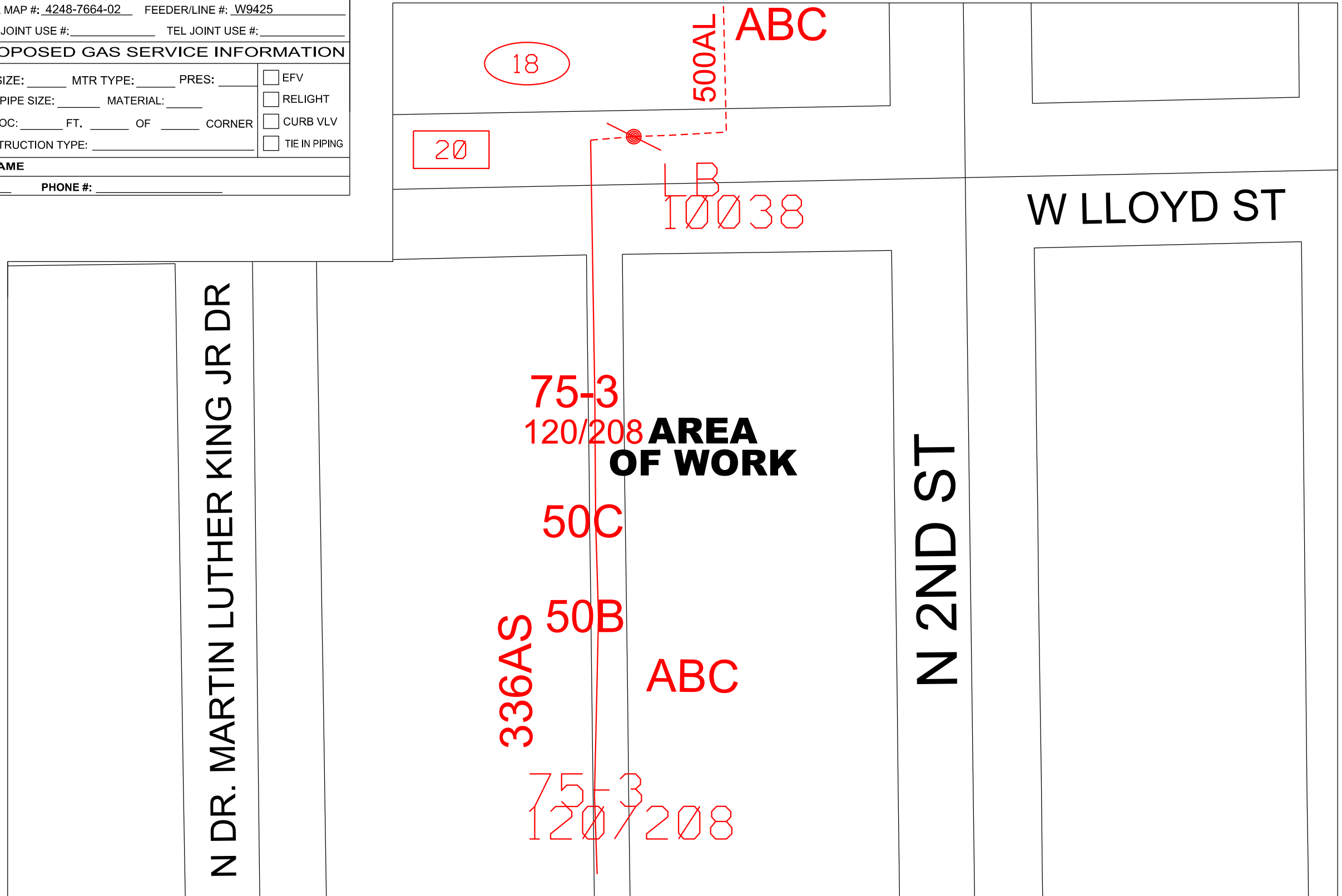
OPER MAP #: 4248-7664-02 FEEDER/LINE #: W9425
CATV JOINT USE #: _____ TEL JOINT USE #: _____

PROPOSED GAS SERVICE INFORMATION

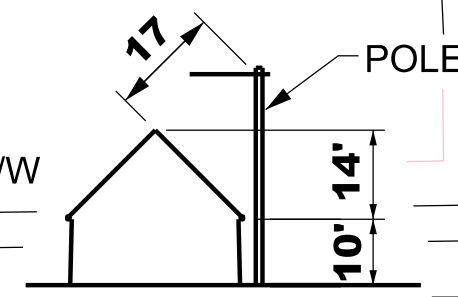
MTR SIZE: _____ MTR TYPE: _____ PRES: _____ EFV
 SERV PIPE SIZE: _____ MATERIAL: _____ RELIGHT
 MTR LOC: _____ FT. _____ OF _____ CORNER CURB VLV
 CONSTRUCTION TYPE: _____ TIE IN PIPING



**EXISTING FEEDER SKETCH
NOT FIELD VERIFIED
W9425**



MUST MAINTAIN 10' CLEARANCE FROM OVERHEAD CABLE DURING ALL GARAGE CONSTRUCTION OPERATIONS



ELEV. 1

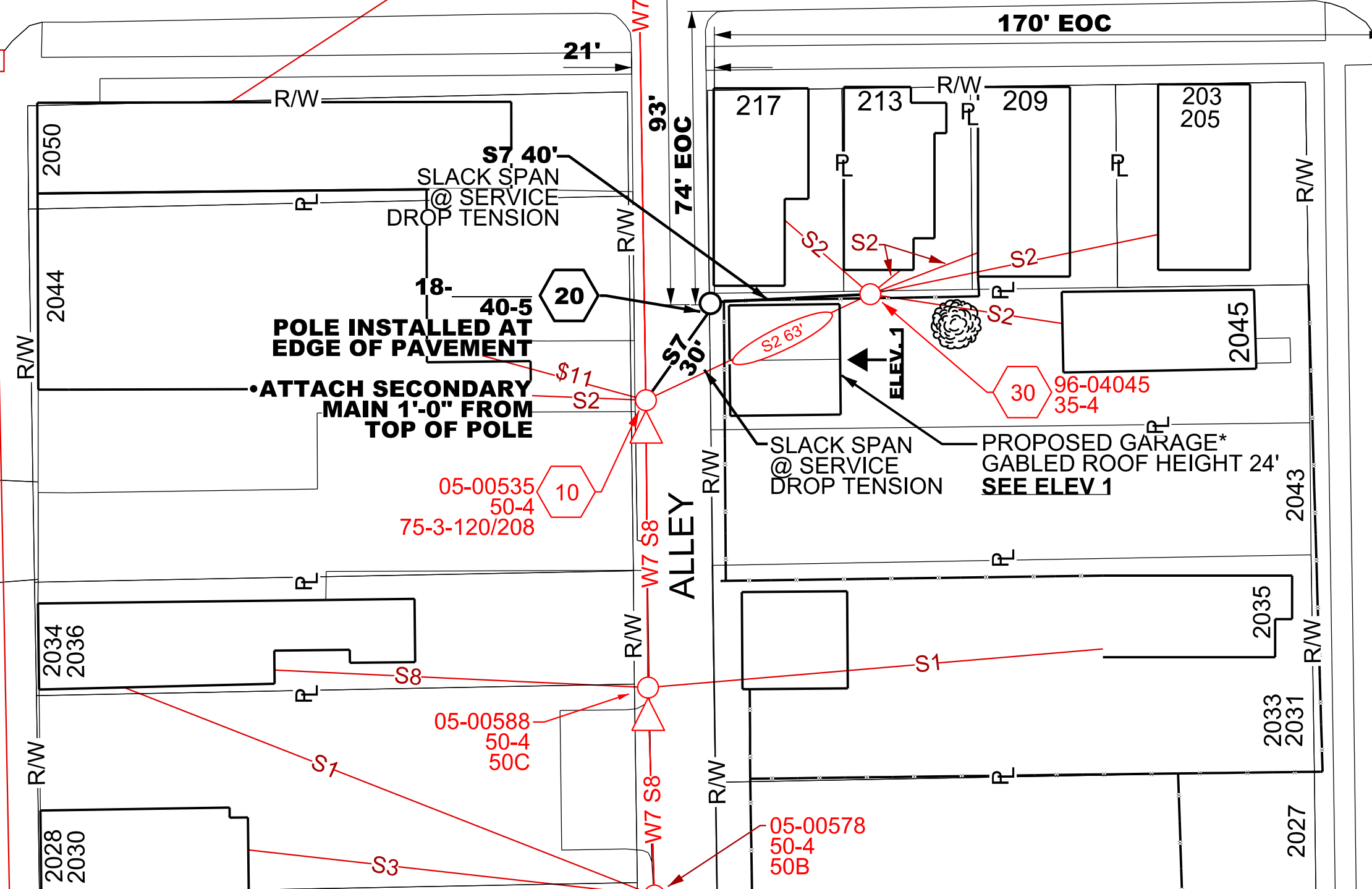
DISTRIBUTION MAINTAINS 10' MIN. CLEARANCE FROM MAN & MATERIAL PER OSHA STANDARDS



W LLOYD ST

N DR. MARTIN LUTHER KING JR DR

N 2ND ST



WE ENERGIES - ELECTRIC OPERATIONS

UNLESS OTHERWISE NOTED IN THIS DOCUMENT, THE FOLLOWING NOTES APPLY:

- 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.

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

STANDARD WIRE KEY

- STATIC WIRE -
SW 1/0AS for W, H and J; 2/0AS for R
- DIRECT BURY PRIMARY - E, F, H, Q, R, W, X or Z
- Z13 1 #1 AL 25KV
 - Z14 3 #1 AL 25KV
 - Z15 3 #500 AL 28KV
 - X16 1 #2 AL 15KV
 - X17 3 #2 AL 15KV
 - X18 3 #500 AL 15KV
 - R19 3 #1/0 AL 35KV
 - R20 3 #750 AL 35KV
 - Z21 3 #750 AL 28KV
 - X22 1 #2 Cu 15kV
 - X23 3 #2 Cu 15kV
 - Z24 1 #2 Cu 25kV
 - Z25 3 #2 Cu 25kV
 - X26 3 #500 Cu 15kV
 - Z27 3 #500 Cu 28kV
 - Z28 3 #750 Cu 28kV
 - Z29 SPECIAL - LIST ON SKETCH

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

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

APPROXIMATE BORE PIT LOCATION (WITH & WITHOUT PERIMETER CONTROL)

INLET PROTECTION, TYPE A/B/C/D

12" WATTLE or 12"/20" SEDIMENT LOG or 9.5"/20" EROSION EEL

STONE DITCH CHECK

ROCK BAG

MULCH

SOIL STABILIZER, TYPE A

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

TEMPORARY SEDIMENT BASIN

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 Water 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 1/2" 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 majority of 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 disturbance. 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.

Waterways

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.
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 Right-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.

