LIMITED SOIL & SURFICIAL DEBRIS REMOVAL
DEMOLITION & RESTORATION PROJECT
AT THE
BROKAW PROPERTY
3013 WEST HURON RIVER DRIVE
TOWNSHIP OF SCIO
WASHTENAW COUNTY, MICHIGAN

CERTIFICATE OF SURVEY
PART OF THE SW 1/4 OF SECTION 12,
T 2 S., R 5 E., SCIO TOWNSHIP, WASHTENAW COUNTY, MICHIGAN

A PARCEL OF LAND SITUATED IN THE TOWNSHIP OF SCIO, WASHTENAW COUNTY, MICHIGAN, AND IS DESCRIBED AS
FOLLOWS:
PART OF THE SOUTHWEST 1/4, SECTION 12, T2S, R5E, SCIO TOWNSHIP, WASHTENAW COUNTY, MICHIGAN.
SAID PARCEL IS MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION
(R) 48.16' (M) TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF WAGNER ROAD (66 FEET WIDE) AND THE POINT OF
BEGINNING; THENCE 407.00 FEET (R) 406.49 FEET (M) ALONG A NON-TANGENTIAL CURVE TO THE RIGHT, HAVING A
EAST 850.00 FEET TO PI; THENCE 199.69 FEET ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 1593.15 FEET,
PUBLIC OVER THE SOUTHERLY 33 FEET THEREOF IN WAGNER ROAD AND THE WESTERLY 33 FEET THEREOF IN HURON
RIVER DRIVE, AND RESTRICTIONS OR EASEMENTS OF RECORD.

DATE: 09/18/14

Kenneth S. Wilkerson, P.S.
REGISTERED PROFESSIONAL ENGINEER
MICHIGAN LICENSE NO. 27754

Plan approval:

APPROVED: ________________
DATE: ________________
OWNER

APPROVED: ________________
DATE: ________________
REGISTERED PROFESSIONAL ENGINEER

PLANS PREPARED BY:

ENGINEER'S SEAL
EXISTING CONDITIONS

Washtenaw County, Michigan
3013 West Huron River Dr.
Brokaw Property

SURFICIAL DEBRIS AREA
SEP T I C T AN K
W A T E R W E L L
VACANT RESIDENTIAL BUILDING
OUT-BUILDING AND SURFICIAL DEBRIS AREA

LEGEND

- UTILITY POLE
- SUMP TANK
- WELL
- SURFICIAL DEBRIS AREA
- APPROXIMATE EXTENT OF LEAD-IMPACTED SOIL AREA
- PROPERTY LINE
- GRAVEL DRIVE
- EXISTING CONTOURS
- EXISTING TRAIL
- SOIL BORINGS THAT EXCEED PART 201 GENERIC RESIDENTIAL DIRECT CONTACT CRITERIA FOR LEAD.

CONTOUR INTERVAL = 2 FEET
WATER WELL NOTES

1. This work shall be completed by a licensed water well driller, contractor registered in the State of Michigan, who shall comply with all State, Federal, and local laws and rules and regulations relating to the performance of the work.

2. Prior to plugging the water supply well, the contractor shall make appropriate measurements to verify well depth and diameter in order to calculate the necessary amount of plugging material. The contractor shall remove the concrete block and surrounding housing and all materials from within the water well, which may hinder its proper abandonment. Materials that may be encountered as follows: pump, drop pipe, pump rod, packer, wire, check valve, and other debris or obstructions.

3. The contractor shall cut the water well supply casing one (1) foot below the ground surface.

4. The neat cement slurry shall be placed into the water well by pumping down a tremie pipe of at least one inch inside diameter which has been placed to the bottom of the well to avoid breakage or solution of sealing material. The slurry shall be applied in one continuous operation until the abandoned water well is filled. The tremie pipe shall be submerged in the neat cement slurry at all times during placement. The contractor shall be responsible for determining the amount of neat cement slurry required to plug the abandoned water well.

CROCK WELL NOTES

1. Prior to plugging the crock well, the contractor shall make appropriate measurements to verify well depth and diameter in order to calculate the necessary amount of backfill material. The contractor shall remove all materials from within the crock well which may hinder its proper abandonment. Materials that may be encountered as follows: pump, drop pipe, pump rod, packer, wire, check valve, and other debris or obstructions.

2. The contractor shall place a layer of bentonite chips or bentonite pellets that is not less than six (6) inches thick at the bottom of the well. The remainder of the well shall be plugged by placing MDOT class II sand in layers that are not more than 10 feet thick, with a layer of bentonite chips or bentonite pellets that is not less than six (6) inches thick placed on top of each clean MDOT sand layer.

3. The uppermost three (3) to four (4) foot section of stone or other curbing material that supports the well bore shall be removed. Before backfilling the well up to the ground surface, a layer of bentonite chips or bentonite pellets that is not less than six (6) inches thick shall be placed.

SEPTIC TANK NOTES

1. Disconnect existing septic system from the vacant residential building and all subsequent removal and disposal of the septic system, including two or three tanks. Closure of the septic system will include removal of system liquids and sludge and proper off-site disposal, by a licensed, licensed waste hauler. Upon removal of contents, the two (2) tanks will be crushed in place, backfilled, and restored to match surrounding conditions.

TREE PROTECTION NOTES

1. Tree protection methods shall comply with the following practices within the drip line of a tree's critical root zone area: no grade changes, no storage of equipment, tools, materials, soil or debris of any kind, avoid any root zone soil compaction.

2. All vegetation that is not designated on the plans to be removed shall be protected from damage. Trees that are damaged by the contractors' operations shall be repaired or replaced at the contractors' expense.

3. Any roots exposed by construction activity shall be pruned flush with the soil. Backfill root area with good quality top soil as soon as possible. If exposed root areas are not backfilled within two days, cover them with organic material in a manner which reduces soil temperature and minimizes water loss due to evaporation. No landscape topsoil dressing greater than two inches shall be permitted within the drip line of trees.

4. Contractor shall not remove or damage trees unless authorized by the City and/or its professional.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

1. Geotextile silt fence shall be placed as shown on the plans and as directed by the engineer. Refer to silt fence detail on this sheet.

2. Periodic inspection and maintenance shall be done to assure that all soil erosion and sedimentation control measures are operating properly and efficiently. The contractor is responsible for maintenance of the control items and the project engineer reserves the authority to adjust, locations and quantities as indicated by field conditions during construction.

3. Soil erosion measures shall be installed prior to the start of any construction and shall be maintained at all times until construction is completed. The contractor shall maintain all seedings mulched and shall be re-seeded and re-mulched as directed by the engineer.

4. All steps may require a Silt fence installed along the toe of the stockpile, based upon project engineer's discretion.

5. Other erosion and sediment control items may be necessary, due to unusual weather conditions and may be required by the County Soil and Water Conservation District or its representatives.

6. Temporary erosion control features shall be accepted, maintained, and shall subsequently be removed or replaced by the contractor when directed by the engineer. Temporary and permanent erosion control features shall be checked after each measurable rainfall and re-established as necessary.