

STORM WATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

Location: Part Sec. 28, T79N, R26W, Nature of Construction Activity: Building and parking addition
 Areas: Total site area = 1.783 acres
 Site area affected = 1.68 acres
 Runoff coefficient = 0.40 (rational method)
 Approximate slopes anticipated: 3:1, or flatter.
 Runoff from this project will flow into unarmored ditches which will flow into the Sugar Creek.

Erosion and sediment controls

- Stabilization practices
- Existing vegetation is preserved whenever possible.
- Permanent seeding and/or sodding.
- Structures
- Drainage swales
- Silt practices
- Rack outlet protection (riprap)
- Storm water management
- Infiltration of runoff onsite.
- Velocity dissipation devices at discharge locations to provide non-erosive velocity flows.
- Waste disposal
- All building material wastes must be removed from the site.
- Off-site vehicle tracking of sediments shall be minimized.

MAINTENANCE

Maintain effective operating conditions of all protective measures identified in this plan.
 Silt fencing is cleaned when they have lost 50% of their capacity.
 Rock outlet protection (riprap) remains intact.
 Clean spilled debris by the end of day or prior to rain event.

INSPECTIONS

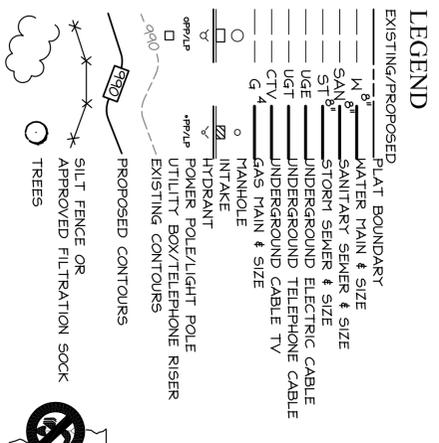
Qualified personnel shall inspect disturbed areas of the construction site that have not been finally stabilized at least once every seven calendar days.
 Inspect site for evidence of, or the potential of, pollutants entering the drainage system from stored materials.
 Observe erosion and sediment controls to ensure that they are operating correctly.
 Locations where vehicles enter or exit the site shall be inspected for evidence of site sediment tracking.
 Inspect discharge locations to site and off-site receiving control measures are effective in preventing significant impacts to receiving waters.
 Any modifications to the plan as a result of an inspection shall be implemented within 7 calendar days of the inspection.
 An inspection report shall be prepared and retained as part of the prevention plan until project termination, this report will contain the following:
 - A summary of the scope of the inspection.
 - Identifications of the personnel making the inspection.
 - A description of the work relating to the implementation of the prevention plan.
 - Any actions taken.
 - Signature.

NON-STORM WATER DISCHARGES

Water main flushing - Requires disinfection prior to discharge where water will be discharged into the storm sewer system controls consisting of:
 - Rack outlet protection (riprap)
 - Silt fencing
 - Existing vegetation

CONTRACTORS

The grading contractor shall have the responsibility of implementing the measures contained in this plan.



SITE PLAN WEST LOT SHOTTENKIRK

CHEVROLET

795 W. Hickman Road
 Waukeg, Iowa

GRADING NOTES

1. ALL DIMENSIONS ARE TO BACK OF CURB, OUTSIDE OF BUILDING WALL, AND TO PROPERTY LINES.
2. THE LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS FOR EXISTING UTILITIES ARE APPROXIMATE. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY AND MEASURING. THE ENGINEER DOES NOT GUARANTEE THE FACILITIES ARE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE PRESENT EXTENT AND EXACT LOCATION OF THEIR FACILITIES BEFORE BEGINNING WORK.
3. NOTIFICATION IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE OWNERS OF UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE PROPER UTILITY IMMEDIATELY UPON BREAKING OR DAMAGE TO ANY EXISTING UTILITY. THE CONTRACTOR SHALL NOTIFY THE PROPER UTILITY IMMEDIATELY UPON BREAKING OR DAMAGE TO ANY EXISTING UTILITY. IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
4. STEEP TOPSOIL FROM ALL AREAS WHICH ARE TO BE FILLED OR CUT.
5. STOCKPILE SUFFICIENT TOPSOIL, RESERVE A MINIMUM OF 4-INCHES ON UNPAVED AREAS, GENERAL PERMIT #2, HOLDER TO PROVIDE A MINIMUM REQUIREMENT.
6. ALL AREAS TO RECEIVE FILL TO BE BENCHED.
7. REPAIR BOTTOM OF BENCH FOR FILL BY DISPOSING TO A DEPTH OF 4-INCHES, LESS THAN 48" STANDARD PROCTOR.
8. THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE BETWEEN 0-4%.
9. MAINTAIN ALL CUT AND FILL AREAS FOR SURFACE DRAINAGE AT ALL TIMES.
10. ALL OTHER AREAS TO BE WITHIN 0.2' OF PLAN GRADE.
11. A MINIMUM OF ONE FOOT OF COMPACTED COHESIVE SUBGRADE SHALL BE PROVIDED BENEATH ALL PAVEMENTS. ACCEPTANCE WITH CITY OF IOWA STANDARD SPECIFICATIONS AND THE 2012 STATEWIDE URBAN DESIGN AND SPECIFICATIONS.
12. ALL EXISTING TREES WILL BE SAVED TO THE EXTENT POSSIBLE TO ACCORD WITH THE IOWA TREE PRESERVATION ACT.
13. ALL WORK ASSOCIATED WITH PUBLIC IMPROVEMENTS SHALL COMPLY WITH MAJOR STANDARD SPECIFICATIONS INCLUDING ALL APPLICABLE PERMITS AND ORDINANCES.
14. 1.68 ACRES OF THE SITE WILL BE DISTURBED.

EROSION & POLLUTION CONTROL NOTES

1. THE SUBCONTRACTOR RESPONSIBLE FOR EROSION AND POLLUTION CONTROL SHALL CARRY OUT THE MEASURES DETAILED ON THIS PLAN. THE CONSTRUCTION ACTIVITY IS COMPLETE AND FINAL STABILIZATION HAS BEEN REACHED.
2. THE SUBCONTRACTOR SHALL INSPECT THE SITE AT MINIMUM ONCE EVERY 7 DAYS. ALL DISTURBED AREAS OF THE SITE AREAS OF MATERIAL STORAGE AND SEDIMENT CONTROLS THAT ARE IDENTIFIED AS PART OF THIS PLAN AND ACCESSIBLE DISCHARGE LOCATIONS MUST BE INSPECTED.
3. THE SUBCONTRACTOR IS TO TAKE NECESSARY ACTIONS TO CORRECT DEFICIENCIES FOUND IN THE EROSION AND POLLUTION CONTROL MEASURES FOUND.
4. THE SUBCONTRACTOR SHALL KEEP LOG AND PREPARE WEEKLY REPORTS TO THE ENGINEER OF THE DEFICIENCIES FOUND IN THE EROSION AND POLLUTION CONTROL MEASURES. THE REPORTS SHALL CONFORM TO THE STANDARDS SET BY THE IOWA DEPARTMENT OF NATURAL RESOURCES. COPIES OF THESE REPORTS SHALL BE FORWARDED TO THE ENGINEER AND THE CITY OF IOWA. THE REPORTS SHALL BE FORWARDED TO COOPER CRAWFORD & ASSOCIATES, L.L.C. (CONTRACTOR COORDINATOR), AND TO THE CITY OF IOWA. IF IT BECOMES EVIDENT THAT A DISTURBED AREA WILL NOT BE RESTORED FOR 21 DAYS, IT SHALL BE SEED BY DAY 7.
5. ANY SOIL OR SPILL WASHED, TRACKED OR DROPPED ON TO ADJOINING RIGHT-OF-WAYS AND PROPERTY WILL BE CLEANED UP BY THE RAIN EVENT.
6. ANY SOIL OR SPILL WASHED, TRACKED OR DROPPED ON TO ADJOINING RIGHT-OF-WAYS AND PROPERTY WILL BE CLEANED UP BY THE RAIN EVENT.
7. SILT FENCING TO BE INSPECTED ONCE A WEEK AND BY EACH EAVENSTOWN, LOOK FOR UNDERCUTTING AND FAILURES IN FABRIC. REPLACE/REPAIR AS NECESSARY.
8. SILT FENCING (TO THAT SHOWN ON THIS PLAN) MAY BE REQUIRED IN AREAS WHERE EROSION IS EVIDENT.
9. SILT FENCING TO BE CLEANED UP WHEN THEY HAVE LOST 50% OF THEIR CAPACITY.
10. SILT FENCING SHALL HAVE SILT FENCING PRIOR TO PAVING AND INLET FILTERS AFTER PAVING. BELOW GRADE INLET PROTECTION REQUIRED FOR ALL PUBLIC STREETS. THESE FILTERS REMAIN IN PLACE UNTIL THE SITE HAS A PERMANENT PERENNIAL GROUND COVER.
11. SEDIMENTATION DEPOSITS WITHIN THE STORM SEWER.
12. ALL DISTURBED AREAS WILL BE MULCHED.
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COOPER CRAWFORD & ASSOCIATES, L.L.C.
 CIVIL ENGINEERS

475 S. 50th STREET, SUITE 800, WEST DES MOINES, IOWA 50265
 PHONE: (515) 224-1344 FAX: (515) 224-1345

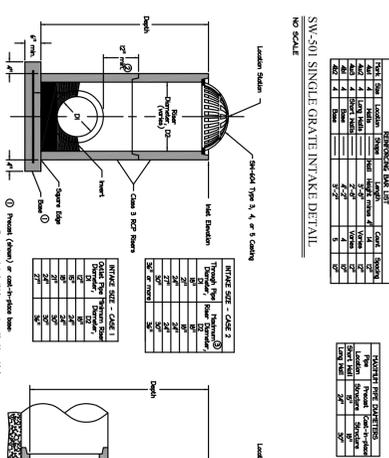
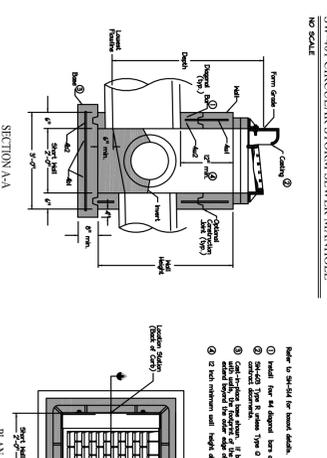
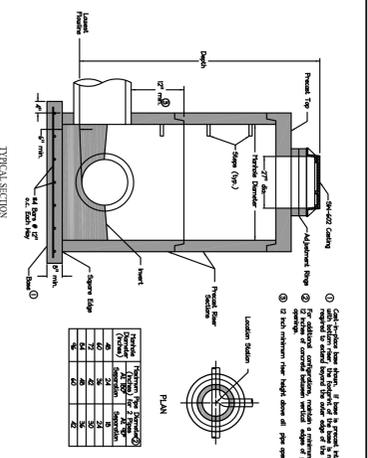
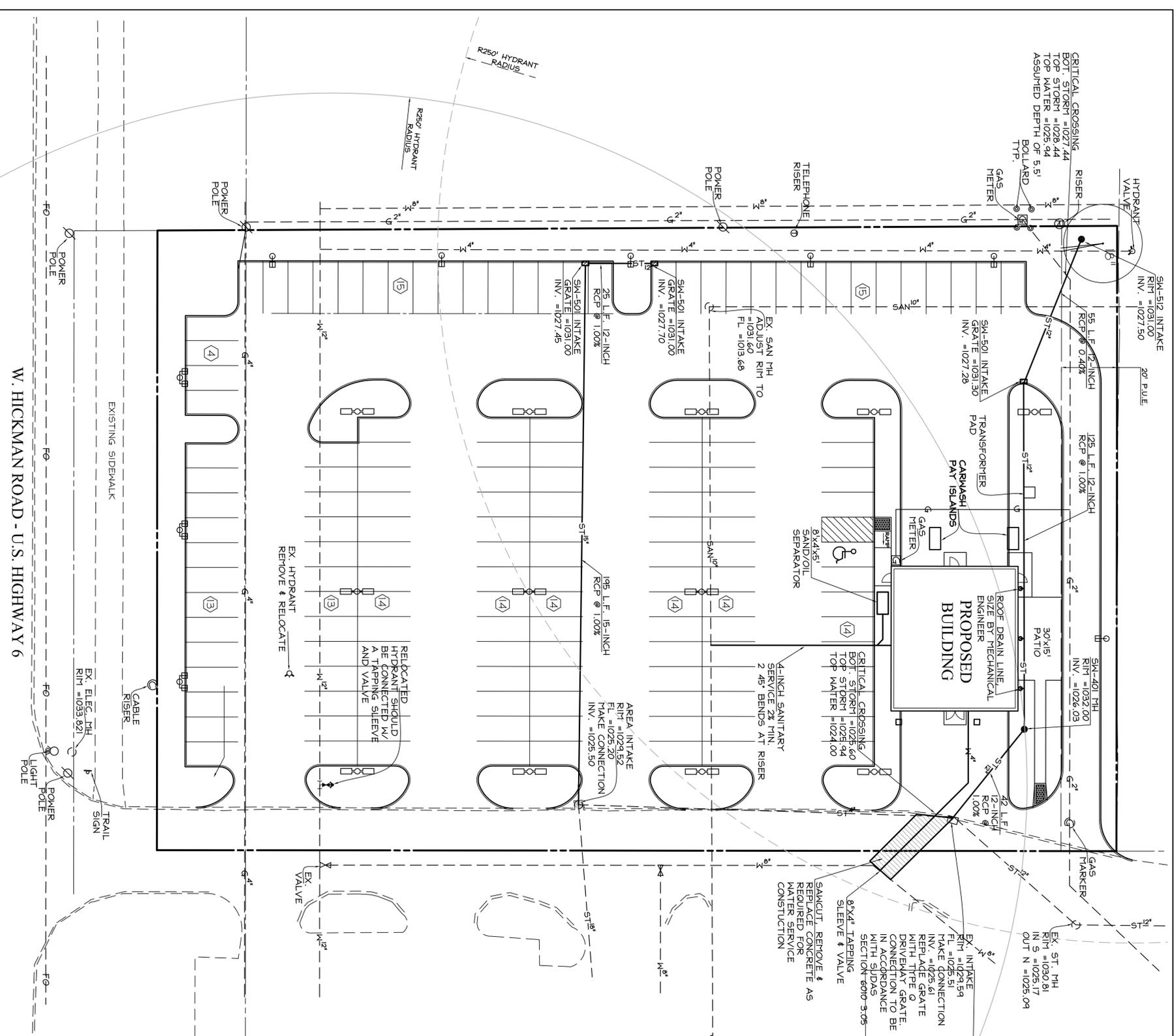
DATE: 7-17-2014
 REVISIONS:

JOB NUMBER
CC 1587

APPROVED: (X-X-2003) INITIALS: XXX AS-BUILT: (X-X-2003)
 GRADING PLAN WEST LOT
 SHOTTENKIRK CHEVROLET

SCALE: 1"=20'
 0 10 20

2 OF 9 SHEET



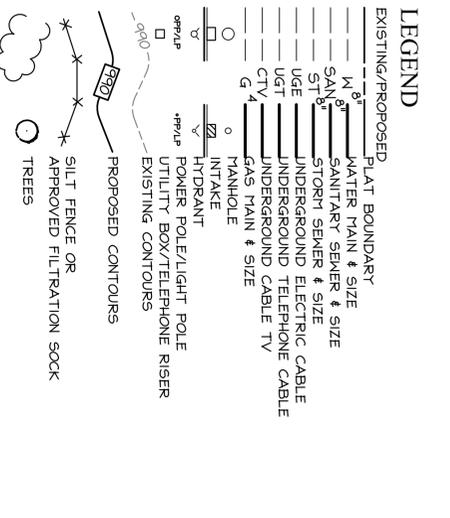
SITE PLAN WEST LOT

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CHEVROLET

795 W. Hickman Road
Wauke, Iowa

- #### UTILITY NOTES
1. ALL ELECTRICAL, TELEPHONE AND CABLE TELEVISION TRANSMISSION SYSTEMS SHALL BE PLACED UNDERGROUND.
 2. THE LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS FOR EXISTING FACILITIES ARE IN ACCORDANCE WITH AVAILABLE INFORMATION WITHOUT UNDERGROUNDING AND MEASURING. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THESE DIMENSIONS OR THE LOCATION OF EXISTING UNDERGROUND FACILITIES ARE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL PUBLIC AND/OR PRIVATE UTILITIES SERVING THE AREA TO DETERMINE THE PRESENT EXTENT AND EXACT LOCATION OF THE FACILITIES BEFORE BEGINNING WORK.
 3. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE PROPER UTILITY LINE OR AGENCY IMMEDIATELY UPON BREAKING OR DAMAGE TO ANY UTILITY LINE OR STRUCTURE. THE INTERRUPTION OF THEIR SERVICE WILL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL MAKE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
 4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF MAUKEE STANDARD SPECIFICATIONS SHALL COORDINATE THE BUILDING SERVICE CONNECTIONS WITH THE BUILDING MECHANICAL CONTRACTOR, AND ALL WORK ASSOCIATED WITH PUBLIC IMPROVEMENTS SHALL COMPLY WITH MAUKEE STANDARD SPECIFICATIONS INCLUDING ALL APPLICABLE PERMITS. THE CONTRACTOR SHALL CONTACT CITY OF MAUKEE, PUBLIC WORKS DEPARTMENT FOR THE NECESSARY PERMITS.
 7. ALL EXISTING UTILITIES ON THE PLAN ARE PUBLIC UNLESS OTHERWISE NOTED.
 8. ALL HYDRANTS TO HAVE STORZ FITTINGS, INCLUDING THE RELOCATED HYDRANT.
 9. ALL MANHOLES MUST BE ADJUSTED PER CITY STANDARDS (3 PIECE CASTING AND CHIMNEY SEAL FOR SANITARY IN PAVED SURFACES).
 10. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEERING DEPARTMENT PROVIDED TO THE ENGINEERING DEPARTMENT.
 11. COORDINATE ALL CITY UTILITY SERVICE TIE-INS WITH THE CITY ENGINEERING DEPARTMENT.
 12. INSTALLATION OF THE GAS SERVICE LINE SHALL BE COORDINATED WITH THE CITY OF MAUKEE PUBLIC WORKS DEPARTMENT.



COOPER CRAWFORD & ASSOCIATES, L.L.C.

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DATE: 7-1-2014

JOB NUMBER: CC 1587

SCALE: 1"=20'

APPROVED: (AS-BUILT) INITIALS: XXX AS-BUILT: (XXX-2003)

UTILITY PLAN WEST LOT

SHOTTENKIRK CHEVROLET

3 OF 9



