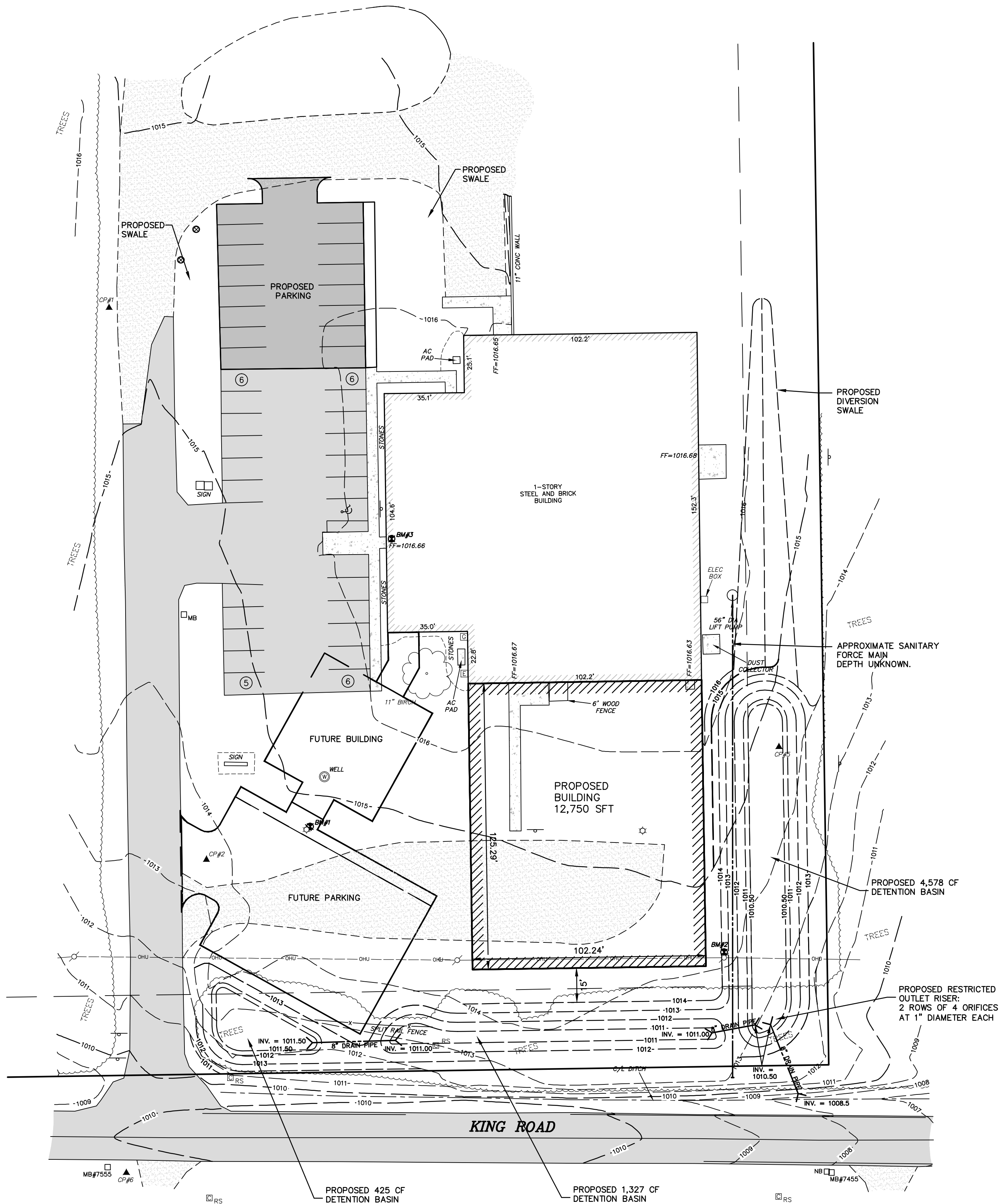


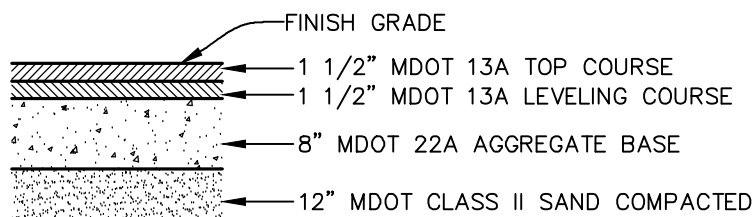


Know what's below.
Call before you dig.



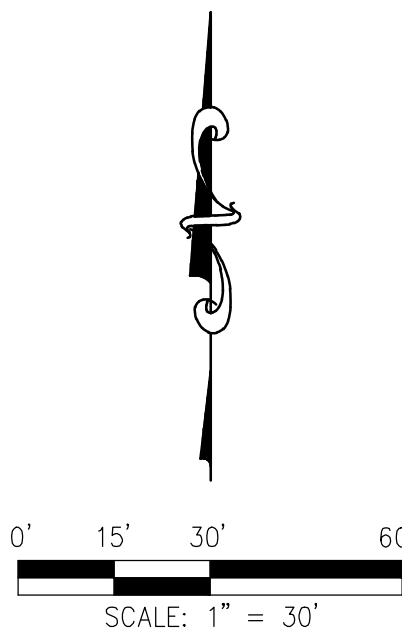
LAYOUT & UTILITY NOTES:

- CONTRACTOR SHALL OBTAIN ALL NECESSARY STATE AND LOCAL PERMITS. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF AGENCIES HAVING JURISDICTION.
- CONTRACTOR SHALL COORDINATE WORK WITH OTHER CONTRACTORS ON SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION OF ALL CONSTRUCTION WITH THE RESPECTIVE UTILITY PROVIDERS PRIOR TO STARTING ANY CONSTRUCTION.
- CONTRACTOR SHALL HAVE THE SITE STAKED BY A LICENSED SURVEYOR.
- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING DIMENSIONS. BUILDINGS ARE TO BE STAKED FROM FOUNDATION PLAN PROVIDED BY THE ARCHITECT.
- IF ANY ERRORS, DISCREPANCIES OR OMISSIONS BECOME APPARENT, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- REFER TO EXISTING TOPOGRAPHIC SURVEY FOR BENCHMARKS AND OTHER EXISTING INFORMATION. CONTRACTOR TO FIELD VERIFY LAYOUT PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL PROTECT ALL EXISTING AND NEW CONSTRUCTION FROM DAMAGE. SHOULD ANY DAMAGE OCCUR, CONTRACTOR SHALL MAKE ALL NECESSARY REPAIRS AT NO COST TO THE OWNER.
- PROVIDE BARRIERS OR OTHER PROTECTION TO KEEP VEHICULAR AND PEDESTRIAN TRAFFIC AWAY FROM CONSTRUCTION AREA AND OFF NEWLY PAVED AREAS BEFORE BITUMINOUS OR CONCRETE IS CURED.
- AT ALL EDGES OF EXISTING SIDEWALK OR CURB AGAINST WHICH NEW CONCRETE IS TO BE PLACED, SAW CUT AND REMOVE CONCRETE BACK TO THE NEAREST CONTROL JOINT TO PROVIDE A SMOOTH TRANSITION TO THE NEW CONCRETE.
- INSTALL EXPANSION JOINTS AT ALL LOCATIONS WHERE NEW CONCRETE MEETS EXISTING CONCRETE OR BITUMINOUS PAVEMENT.
- BARRIER-FREE PARKING SPACES SHALL BE 8' WIDE AND MARKED WITH APPROVED PAVEMENT SYMBOL. MARK PARKING SPACES AND ACCESS AISLES WITH 4" WIDE BLUE PARKING LOT PAINT AND SIGNS PER MMUTCD. CONTRACTOR SHALL CONSTRUCT ALL HANDICAP RAMPS AND SIDEWALK RAMPS TO MEET CURRENT A.D.A. STANDARDS.
- CALL "MISS DIG", 811, 72 HOURS PRIOR TO THE START OF ANY WORK.
- CONTRACTOR SHALL BE RESPONSIBLE TO MAKE AVAILABLE TO THE ENGINEER DIMENSIONS TO LOCATE UTILITY STUBS AND/OR ANY UTILITY CONDUIT STUBS INSTALLED.
- ALL UTILITY WORK SHALL BE COMPLETED, INCLUDING TRENCH BACKFILL AND COMPACTION, PRIOR TO PLACEMENT OF ANY GRAVEL BASE.
- EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM ORIGINAL SITE DRAWINGS AND SITE TOPOGRAPHIC SURVEY. EVERY ATTEMPT HAS BEEN MADE TO SHOW ALL UTILITY LINES WHERE THEY EXIST. CONTRACTOR SHALL USE EVERY PRECAUTION IN EXCAVATING FOR NEW UTILITIES SINCE ACTUAL UNDERGROUND UTILITIES MAY NOT BE AS SHOWN. CONTRACTOR SHALL MAKE HIMSELF THOROUGHLY FAMILIAR WITH ALL UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY EXCAVATION AND VERIFY LOCATIONS AND DEPTHS OF ALL UTILITIES.
- EXCEPT FOR THOSE UTILITIES NOTED TO BE PLUGGED OR REMOVED, RECONNECT ALL LINES ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH UTILITY PROVIDER.
- UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR THE RAISING OR LOWERING OF ALL EXISTING MANHOLES AND CATCH BASINS, FRAMES AND COVERS, VALVE BOXES AND CLEANOUTS TO MEET FINISH GRADES.
- ALL STORM SEWER STRUCTURES, INCLUDING SUMPS, WITHIN THE PROPERTY LIMITS SHALL BE INSPECTED AND CLEANED OUT AS NECESSARY. IF SOME SPECIFIC PROBLEM IS IDENTIFIED DURING THIS ACTIVITY, CONTACT THE ENGINEER FOR FURTHER INSTRUCTIONS.
- ALL SITE UTILITIES SHALL BE STUBBED AND PLUGGED TO WITHIN FIVE FEET OF THE OUTSIDE BUILDING FOUNDATION WALL UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL/MECHANICAL PLANS FOR EXACT BUILDING SANITARY, STORM AND WATER SERVICE CONNECTION LOCATIONS. FIELD ADJUST AS NECESSARY.
- SEE ADDITIONAL DRAWINGS IN SHEET SET FOR MORE INFORMATION.

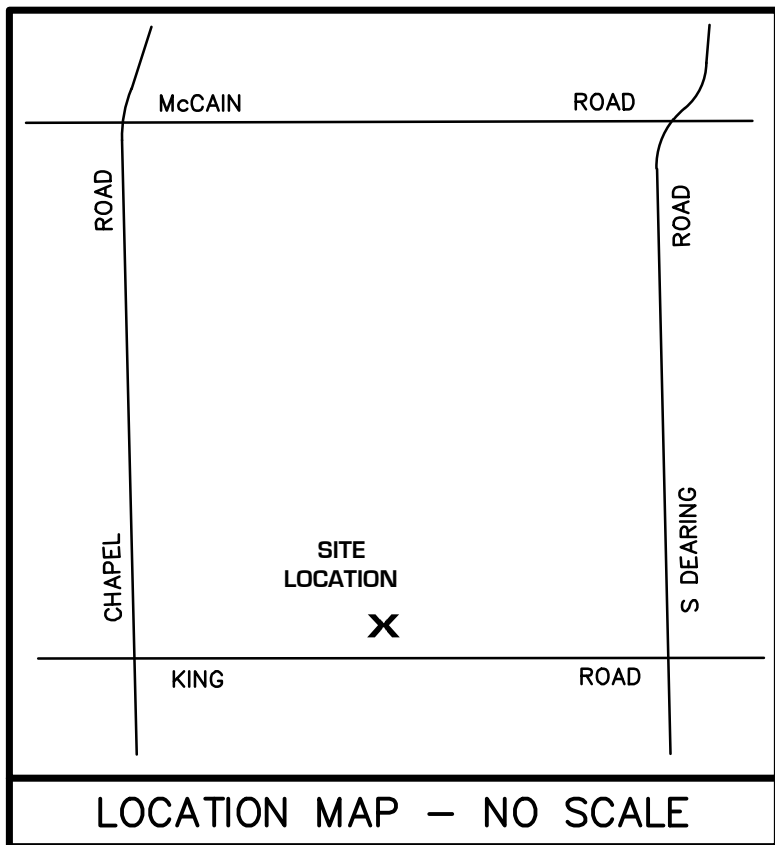


PARKING LOT SECTION

NO SCALE



PRELIMINARY
NOT FOR CONSTRUCTION



GENERAL NOTES:

- UTILITIES SHOWN (IF ANY) ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS OR AVAILABLE RECORDS. THIS MAP IS NOT TO BE INTERPRETED AS SHOWING EXACT LOCATIONS OR SHOWING ALL UTILITIES IN THE AREA.
- NOTE TO CONTRACTORS: THREE WORKING DAYS BEFORE YOU DIG CALL MISS DIG AT 1-800-482-7171
- CONTOUR INTERVAL = 1 FOOT
- BENCHMARK DATA:

HELD FINISHED FLOOR ELEVATION OF 1016'-8" FROM PROVIDED BLUEPRINT OF PREVIOUS SITE PLAN DATED 12-19-89

BM #1 EL= 1015.87'
CHISELED "L" ON NORTHEAST CORNER OF CONCRETE LIGHT POLE BASE, 55' EAST OF EAST EDGE BLACKTOP DRIVE AND 14' NORTH OF GRAVEL.

BM #2 EL= 1014.97'
SET 60D NAIL IN NORTH SIDE OF POWER POLE, 122' SOUTH OF THE SOUTHEAST BUILDING CORNER AND 41' SOUTHEAST OF GRAVEL.

BM #3 EL= 1016.66'
TOP OF FINISH FLOOR INSIDE OF BUILDING'S WEST ENTRANCE.

ELEVATION:

LEGEND

| EXISTING | PROPOSED |
|--------------------------|----------|
| SET CONCRETE MONUMENT | □ |
| MONUMENT FOUND | ■ |
| SET CAPPED REBAR #47948 | ○ |
| FOUND IRON | ● |
| SET CHISELED "X" | ⊗ |
| FOUND CHISELED "X" FOUND | ⊙ |
| CONTROL POINT | ▲ |
| PLATTED | P |
| DESCRIBED | D |
| MEASURED | M |
| RECORD | R |
| STORM SEWER MANHOLE | ⊕ |
| CATCH BASIN | ⊖ |
| SANITARY SEWER MANHOLE | ⊗ |
| CLEANOUT | ⊙ |
| FIRE HYDRANT | ⊕ |
| SPRINKLER CONTROL VALVE | ⊖ |
| SPRINKLER HEAD | ⊗ |
| VALVE (WATER & GAS) | ⊙ |
| GAS METER | ⊕ |
| UTILITY RISERS | ⊖ |
| UTILITY POLE | ⊗ |
| LIGHT POLE | ⊙ |
| GUY ANCHOR | ⊕ |
| TRANSFORMER | ⊖ |
| HAND HOLE (ELECTRIC) | ⊗ |
| ELECTRIC METER | ⊙ |
| GROUND MOUNTED LIGHT | ⊕ |
| SIGN | ⊖ |
| BENCHMARK | ⊗ |
| SOIL BORING | ⊙ |
| BOLLARD POST | ⊕ |
| GATE | ⊖ |
| FENCE LINE | ⊗ |
| ELECTRIC | ⊙ |
| TELEPHONE | ⊕ |
| FIBER OPTIC | ⊖ |
| GAS LINE | ⊗ |
| EXISTING WATER LINE | ⊙ |
| PROPOSED WATER LINE | ⊕ |
| EXISTING STORM SEWER | ⊖ |
| PROPOSED STORM SEWER | ⊗ |
| EXISTING SANITARY SEWER | ⊙ |
| PROPOSED SANITARY SEWER | ⊕ |
| BITUMINOUS SURFACE | ▨ |
| CONCRETE SURFACE | ▩ |
| GRAVEL SURFACE | ▧ |
| CONFEROUS TREE | ★ |
| DECIDUOUS TREE | ☼ |
| ORNAMENTAL BUSH | ✱ |

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| REVISIONS |
|---------------------------------------|
| 1 2013-11-27 MINOR STORMWATER CHANGES |
| 2 2014-02-25 MINOR STORMWATER CHANGES |

WARDCRAFT CONVEYOR
SEC. 09, T03N, R02W SPRING ARBOR TWP., JACKSON CO.
WARDCRAFT CONVEYOR
CLIENT ADDRESS
SPRING ARBOR, MICHIGAN 49XXX
STORMWATER MANAGEMENT CONCEPT PLAN

| | |
|--------------|------------|
| Designed By: | BTS |
| Drawn By: | AQA |
| Checked By: | Date: |
| Plot: | 1"=30' |
| | Scale: |
| | 02/25/14 |
| | Date: |
| | 1310488.1A |
| | Job No: |

Sheet No.:
C2.1