BM 200
ELEVATION = 853.06
FIND SPIKE IN NORTH FACE OF POWER POLE,
10 FEET SOUTH OF SOUTH EDGE OF ENTRANCE
DRIVE TO WHEELER SERVICE CENTER AND 70
FEET WEST OF THE CENTERLINE OF PLATT
ROAD.

BM 201
ELEVATION = 848.94
SET MAG NAIL NEAR CENTERLINE OF DRIVEWAY,
700 FEET WEST OF THE CENTERLINE OF PLATT
ROAD.

BM 202
ELEVATION = 857.09
SET CHISELED 'X' ON TOP OF CAP FOR VENT
PIPE, 100 FEET NORTH OF THE CENTERLINE OF
DRIVEWAY AND 300 FEET WEST OF THE
CENTERLINE OF PLATT ROAD.

EXISTING UTILITY
EXISTING STOP SIGN
EXISTING BUS STOP SIGN
EXISTING ELECTRIC POLE
EXISTING STONE SITE SIGN
SLURRY WALL
EXISTING DOUBLE
SWING GATE
INVERT EL. 842.81
FROM MCI 2010 DRAWINGS
SHEET 3014-04
INVERT EL. 846.50
FROM MCI 2010 DRAWINGS
SHEET 3014-04
Know what's below. Call before you dig.
LANDFILL (CLOSED)

PLANNING:

1" = 30'

CALL BEFORE YOU DIG

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

C-05
ANNA0035-05

LANDFILL SCALE AND ENTRANCE IMPROVEMENTS

PROPOSED SITE PLAN

LANDFILL (CLOSED)

WIDENING AREA

NEW PAVEMENT

STOP SIGN CODE R1-(36)
SEE SHEET C-13

RELOCATE SIGN

YIELD SIGN CODE R1-(30)
SEE SHEET C-13

NEW PAVEMENT

BOLLARDS

YIELD SIGN CODE R1-(30)
SEE SHEET C-13

SCALE GUARD RAIL OF PRE-
MANUFACTURER'S SPECIFICATIONS

NEW CHAIN LINK FENCE TO
EXISTING CORNER POST

GUIDANCE SIGN CODE A2-1
SEE SHEET C-13

YIELD SIGN CODE R1-(30)
SEE SHEET C-13

GUIDANCE SIGN CODE A2-1
SEE SHEET C-13

STOP SIGN CODE R1-(36)
SEE SHEET C-13

GUIDANCE SIGN CODE A2-1
SEE SHEET C-13

PROPERTY LINE

GUIDANCE SIGN CODE A2-1
SEE SHEET C-13

NEW PAVEMENT

BOLLARDS

YIELD SIGN CODE R1-(30)
SEE SHEET C-13

STOP SIGN CODE R1-(36)
SEE SHEET C-13

SCALE GUARD RAIL OF PRE-
MANUFACTURER'S SPECIFICATIONS

NEW CHAIN LINK FENCE TO
EXISTING CORNER POST

GUIDANCE SIGN CODE A2-1
SEE SHEET C-13

NEW PAVEMENT

BOLLARDS

YIELD SIGN CODE R1-(30)
SEE SHEET C-13

STOP SIGN CODE R1-(36)
SEE SHEET C-13

SCALE GUARD RAIL OF PRE-
MANUFACTURER'S SPECIFICATIONS

NEW CHAIN LINK FENCE TO
EXISTING CORNER POST

GUIDANCE SIGN CODE A2-1
SEE SHEET C-13

LEGEND

NEW CONCRETE PAVEMENT

TOP SOIL AND SEEDING

IMPERVIOUS AREA

PROPOSED
ADDITIONAL
6760 SF

EXISTING
REMOVED
22393 SF

NET RESULT = 13,633 SF DECREASE IN IMPERVIOUS AREA
**PLAN AND PROFILE**

- **CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING**
- **CITY OF ANN ARBOR**
- **PUBLIC SERVICES**
- **301 EAST HURON STREET**
- **P.O. BOX 8647**
- **ANN ARBOR, MI 48107-8647**
- **734-794-6410**
- **www.a2gov.org**

**ANNA0035-06**

**LANDFILL SCALE AND ENTRANCE IMPROVEMENTS**

**SIDE SLOPE 4:1 LIMIT**

**SCALE**

**TIE IN TO EXISTING PAVEMENT AT STA 2+00**

**SCALE APPROACH**

**LIMITS OF CONCRETE**

**SLURRY WALL**

**PROPERTY LINE**

**LIMITS OF CONCRETE**

**CURVE DATA**

- **C1**
  - Δ = 17°21' 07''
  - PI STA = 0+28.71
  - R = 155.28
  - PC STA = 0+05.01
  - L = 47.03
  - PT STA = 0+52.04
  - LC = 46.85

- **C2**
  - Δ = 32°51' 04''
  - PI STA = 2+15.89
  - R = 256.58
  - PC STA = 1+40.25
  - L = 147.11
  - PT STA = 2+87.36
  - LC = 145.11

- **C3**
  - Δ = 13°47' 59''
  - PI STA = 5+31.29
  - R = 170.10
  - PC STA = 5+10.71
  - L = 40.97
  - PT STA = 5+51.68
  - LC = 40.87

**MATCH**

**TOP SOIL AND SEEDING**
GENERAL
NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6520 OR 734-662-1607. A SEQUENCE OF EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION ANY MODIFICATIONS OR ADDITIONS TO THE ORIGINAL SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGES CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.

1. DESCRIPTION OF PROPERTIES

INSPECTIONS

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE ORIGINAL SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGES CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.


3. ONLY, OR AFTER ANY STORM EVENT, INSTRUCTIONS IF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY.

4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.

5. ALL MUDSLIP TRACKS ON ROADWAYS FROM THE SITE DUE TO CONSTRUCTION SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.

6. ALL CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN COTTON, AREAS AND TEMPORARY FENCE LINES SHALL BE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.

7. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.

8. EROSION CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR DUST PALLIATIVE AS REQUIRED.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PREVENTATIVE SOIL EROSION CONTROL MEASURES AND REMOVAL OF SAME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES AND UTILITY CONSTRUCTION OF PROJECT WILL BE SCHEDULED SO THAT ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.

10. THE CONTRACTOR SHALL NOT GRADE ONTO ADJACENT PROPERTIES OR MUDSLIP TRACKS ON ROADWAYS FROM THE SITE DURING CONSTRUCTION.

11. ALL EROSION CONTROL FENCING MUST REMAIN IN PLACE UNTIL RESTORATION OF THE SITE IS COMPLETE.

12. THE CONTRACTOR SHALL TAKE MEASURES TO REDUCE AND CONTROL EMISSIONS AND NOISE FROM CONSTRUCTION EQUIPMENT AND VEHICLES USED ON SITE AND DURING TRANSFERRING TO/FROM SITE.

SEQUENCE OF EROSION CONTROL MEASURES

REVIEW OF MULCH:

THE CONTRACTOR, A SEQUENCE OF EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL, THIS SCHEDULE IS TO INCLUDE INSPECTION AND REVIEW OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.

SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

1. INSTALL SILT FENCE, TREE PROTECTION FENCING, SAFETY CONSTRUCTION FENCING, MED MATS, OUVERT SEGMENT TRAPS, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.

2. REMOVE TREES MARKED FOR REMOVAL, REMOVE DOWNED TREES AND TRIM BRANCHES, REMOVE VINES, MULCH ALL MULCH WITHIN CLEARING LIMITS AND TRIM BRANCHES. TREE AND BRANCH TRIMMING SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK.

3. STRIP AND STOCKPILE TOPSOIL, STABILIZE STOCKPILE WITH SILT FENCE AS REQUIRED, ADDITIONAL MEASURES MAY BE REQUIRED TO MINIMIZE EROSION, STOCKPILE TOPSOIL IN AREAS APPROVED BY THE ENGINEER. CONTRACTOR SHALL SALVAGE AND RE-USE EXISTING TOPSOIL TO THE GREATEST EXTEND POSSIBLE.

IMPROVED PROJECT AREA = 6,300 SF

AREA OF PROPOSED DISTURBANCE = 0.8 ACRE

TREES EXIST IN CLOSE PROXIMITY TO THE PROJECT LIMITS. ALL TREES SHALL BE PRESERVED AND PROTECTED AS SHOWN ON THE DRAWINGS.

SOIL INFORMATION

AT THE TEST BORING LOCATIONS, IN GENERAL, SUBSURFACE SOILS CONSIST OF TOP SOIL OR PAVEMENT UNDERLAIN BY CLAY-LY SANDY CLAY SOILS TO A DEPTH RANGING FROM 10 TO 15 FEET. THESE SOILS ARE THEN UNDERLAIN BY WASTE MATERIALS. REFER TO TEST BORING LOGS FOR DETAILS.
COMPONENTS OF THE CONTRACT DOCUMENTS.

1. YEARs DEMONSTRATED EXPERIENCE IN SIMILAR SIZE AND SCOPE OF SHORING AND GENERAL STRUCTURAL NOTES

SHALL ACCOMPANY DRAWINGS OR SHOP DRAWINGS AS INDICATED IN MATERIAL SECTION OF GENERAL

2. THE STRUCTURAL DRAWINGS FORM AN INTEGRAL PART OF THE CONTRACT DOCUMENTS. INTERFERENCE IN THEIR OPERATIONS.

SHOULD CONFLICTS EXIST BETWEEN THE DRAWINGS, SPECIFICATIONS AND THE STRUCTURAL

PERMANENT SUPPORT IS IN PLACE.

DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO CHECK THE SHOP

WORK. ALL DISCREPANCIES SHALL BE DOCUMENTED AND REPORTED TO THE

4. BASIS OF FOUNDATIONS SHALL BE REVIEWED FOR STANDARDS COMPLIANCE WITHIN 21 DAYS OF SUBMITTAL. SUCH DIMENSIONS SHALL BE PROVIDED ON THE SHOP DRAWINGS AND THE USE OF CHLORIDES SUCH AS DEICING SALTS IS PROHIBITED FOR MELTING ICE PRIOR TO PLACING CONCRETE.

CONSTRUCTION SHALL OBTAIN APPROVAL PRIOR TO PLACING OPENINGS OR SLEEVES NOT INCLUDED IN THE BASIC SERVICES OF THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE SHALL BE PLACED TO THE CONSTANT TOP OF SLAB ELEVATIONS, WHILE

THE USE OF CHLORIDES SUCH AS DEICING SALTS IS PROHIBITED FOR MELTING ICE PRIOR TO PLACING CONCRETE.

THE CRITERIA ESTABLISHED IN THE GEOTECHNICAL REPORT. CONSIDERATIONS RELATED TO

WITH JOINT SEALANT UNLESS NOTED OTHERWISE. ALL JOINT EDGES, INCLUDING TOP AND

WELDED WIRE FABRIC SHALL BE FURNISHED IN FLAT SHEETS (ROLLS NOT PERMITTED) AND

AS INDICATED ON CONSTRUCTION DOCUMENTS AND/OR AS SHOWN ON THE APPROVED

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THE USE OF CHLORIDES SUCH AS DEICING SALTS IS PROHIBITED FOR MELTING ICE PRIOR TO PLACING CONCRETE.
SCALE FOUNDATION PLAN

NOTE: SEE SHEET C-06 FOR FINISH GRADE ELEVATION
ANCHOR F.B. 2" × 1/4 '' WELDED TO ANGLE @ 18'' C.C.

NOTE:
ANCHOR BARS MAY BE SUBSTITUTED BY "NELSON" TYPE C-4 ANCHOR STUDS, Ø1/2 × 6' LONG, OR APPROVED EQUIV.

3×3×1 1/4×12'-0" ANCHOR F.B. 2" × 1/4 " WELDED TO ANGLE @ 18'' C.C.

NOTE:
ANCHOR BARS MAY BE SUBSTITUTED BY "NELSON" TYPE C-4 ANCHOR STUDS, Ø1/2 × 6' LONG, OR APPROVED EQUIV.

NOSING ANGLE DETAIL
1. EXACT CONDUIT ROUTING SHALL BE REVIEWED BY CITY OF ANN ARBOR PRIOR TO INSTALLATION.

2. ALL NETWORK HARDWARE SHALL BE PROVIDED BY CITY OF ANN ARBOR I.T. DEPARTMENT.

NEW WORK KEYED NOTES:

CONNECT CONDUIT TO EXISTING COMMUNICATION CABINET WITH THREADED FITTING AND WEATHER RESISTANT GASKET.

EXCAVATE AND ROUTE CONDUIT MINIMUM OF 24" BELOW GRADE. RETURN GROUND TO ORIGINAL CONDITION.

PROVIDE COMMUNICATION HANDHOLE, REFER TO DETAIL SHEET E-004.

ROUTE DUCTBANK ABOVE "SWIFT RUN DRAIN" APPROXIMATELY 200' LONG. REFER TO DETAIL SHEET E-004.

1'-3" SCHEDULE 80 PVC CONDUIT WITH PULL WIRE.

FIBER OPTIC CABLE WILL BE INSTALLED AND TERMINATED UNDER SEPARATE CONTRACT, ELECTRICAL CONTRACTOR TO COORDINATE.

UNDERGROUND CONCRETE ENCASED DUCTBANK LEGEND:

= INDICATES NEW EMPTY CONDUIT WITH PULL WIRE
= INDICATES NEW CABLE IN NEW CONDUIT

NOTE:

www.missdig.net
1-800-482-7171 (TOLL FREE)

Know what's below
Call before you dig
## Lighting Fixture Schedule

<table>
<thead>
<tr>
<th>No</th>
<th>Description</th>
<th>Color</th>
<th>Location</th>
<th>Qty</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Light fixture</td>
<td>White</td>
<td>Lobby</td>
<td>500</td>
</tr>
<tr>
<td>2</td>
<td>Light fixture</td>
<td>Yellow</td>
<td>Hallway</td>
<td>200</td>
</tr>
<tr>
<td>3</td>
<td>Light fixture</td>
<td>Red</td>
<td>Foyer</td>
<td>150</td>
</tr>
<tr>
<td>4</td>
<td>Light fixture</td>
<td>Green</td>
<td>Conference</td>
<td>100</td>
</tr>
<tr>
<td>5</td>
<td>Light fixture</td>
<td>Blue</td>
<td>Kitchen</td>
<td>50</td>
</tr>
</tbody>
</table>

**Notes:**
1. All fixture numbers are for reference only.
2. Installation is subject to change.

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### Bumper Post Detail

- Description: Bottom view of bumper post detail.
- Scale: Not to scale.

### Underground Duct Section (Over the "Swift Run Drain")

- Description: Cross-sectional view of underground ducts.
- Scale: Not to scale.

---

### Hand Hole Detail

- Description: Detailed view of hand hole at the bottom of the duct section.
- Scale: Not to scale.
CCTV POWER AND FIBER OPTIC CABLING RUN IN FLEXIBLE METALLIC CONDUIT INSIDE POLE. LIGHTING POLE WITH ATTACHED SECURITY CAMERA ENCLOSURE. POLE MOUNTED ENCLOSURE, A/C POWER DISCONNECT SWITCH AND FIBER MODEM. SECURITY SYSTEM CAMERA AND ENCLOSURE PROVIDED BY OWNER.

NOTES:
1. PROVIDE 1/4" PER FOOT MAXIMUM SLOPE.
2. DIMENSION VARIES, COORDINATE WITH FINAL EQUIPMENT SHOP DRAWING.
3. 5/8" X 8" X 8" GALVANIZED STEEL BASE PLATE.
4. 5/8" DIAMETER GALVANIZED EXPANSION ANCHOR TYPICAL FOR TWO AT EACH BASE PLATE.
5. SCHEDULE 80 PVC CONDUIT 48" BELOW FINISHED GRADE (WITH MARKER TAPE 12" BELOW FINISHED GRADE)
6. PROVIDE MULTIPLE CONDUITS AS REQUIRED.

ELECTRICAL PANELBOARD AND CONTROL CABINET DETAIL

NOTES:
1. PROVIDE 1/4" PER FOOT MAXIMUM SLOPE.
2. LEFT TO RIGHT EXPANSION HORIZONTAL AND VERTICAL TO EACH SIDE.
3. 5/8" DIAMETER GALVANIZED EXPANSION HORIZONTAL AND VERTICAL TO EACH SIDE.
4. PROVIDE ANCHOR PLATE AS REQUIRED.

ELECTRICAL ONE-LINE DIAGRAM

NOTES:
1. PROVIDE 1/4" PER FOOT MAXIMUM SLOPE.
2. DIMENSION VARIES, COORDINATE WITH FINAL EQUIPMENT SHOP DRAWING.
3. 5/8" X 8" X 8" GALVANIZED STEEL BASE PLATE.
4. 5/8" DIAMETER GALVANIZED EXPANSION ANCHOR TYPICAL FOR TWO AT EACH BASE PLATE.
5. SCHEDULE 80 PVC CONDUIT 48" BELOW FINISHED GRADE (WITH MARKER TAPE 12" BELOW FINISHED GRADE)
6. PROVIDE MULTIPLE CONDUITS AS REQUIRED.

GROUND LOOP DETAIL

NOTES:
1. GROUND ROD TO BE 3/4" DIA. X 10' LONG COPPERWELD WITH TOP 12" BELOW GRADE.
2. GROUND LOOP TO BE #4/0 BARE STRANDED COPPER GROUND WIRE. CADWELD ALL CONNECTIONS.
3. ROUTE TO ELECTRICAL PANELBOARD GROUND TERMINAL AND TO COMMUTATION CABINET GROUND BUS.

ELECTRICAL PANELBOARD AND CONTROL CABINET DETAIL

NOTES:
1. ELECTRICAL PANELBOARD, COMMERCIAL GRADE, COPPER BUS, 22KAIC NEMA 3R, REFER TO SPECIFICATION AND PANEL SCHEDULE FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE INCOMING CABLE PROTECTION ON POLE (I.E. RGS CONDUIT) PER DTE STANDARDS, APPROXIMATELY 10'-0" AFG.
3. MEET WITH DTE FOR NEW ELECTRICAL SERVICE AND INCLUDE IN YOUR BIDS FOR ALL MEETINGS WITH DTE.

CARD READER PEDESTAL DETAIL

NOTE TO SCALE

NOTES:
1. CARD READER PEDESTAL DETAIL TO FIT BETWEEN TWO BOLTS." "CARD READER" " card reader pedestal.
2. DETERMINED BY CONTRACTOR.
3. CONTROL CABINET (WEATHER-PROOF) INSTALLATION DEPENDS ON WEATHER CONDITIONS.
4. TERMINATE ALL CONDUTS WITH BUSHINGS 1 1/2" ABOVE TOP FACES.
5. PROVIDE BOLTING CONCRETE AS REQUIRED.