E TREES
URACY NOTE

EXISTING NORTH SEDIMENTATION BASIN

OPEN PIPE
24" RCP
INVERT = 891.72'

STAND PIPE
30" CMP
TOP = 897.72'
BOTTOM = 890.77'

SILT GAUGE
3" PVC

EXISTING WEST SEDIMENTATION BASIN

OPEN PIPE
24" CMP
INVERT = 912.99'

OPEN PIPE
24" CMP

STAND PIPE
30" CMP
TOP = 918.79'

SILT GAUGE
3" PVC

MM-37

MM-38B

GWC-1

MM-16

GWB-2ROCK

LIMITS OF INERT FILL (APPROXIMATE)

TBM = MM-14 TOP OF CASING
ELEV = 915.97'

GWB-1AROCK (DAMAGED)

CLOSED MUNICIPAL SOLID WASTE LANDFILL

MM-14

TBM = MM-15 TOP OF CASING
ELEV = 923.38'

MM-13

GRAVEL ROAD

CLOSED MUNICIPAL SOLID WASTE LANDFILL

MM-35

GWA-1ROCK

BRUSH

ASPHALT ROAD

30' COLONIAL PIPELINE EASEMENT

L-22

L-102

GENERAL LEGEND:

- APPROXIMATE LIMIT MULCH FILL AREA.
- APPROXIMATE LIMIT OF MUNICIPAL SOLID WASTE LANDFILL.
- 910 EXISTING CONTOURS.
- PROPERTY LINE BOUNDARY FOR LANDFILL FACILITY.
- GWA-1 EXISTING UP-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- GWB-3A EXISTING SIDE-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- GWC-1 EXISTING DOWN-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- MM-2 EXISTING METHANE MONITORING POINTS. ("F" INDICATES FACILITY MONITORING POINT, "B" INDICATES BAR HOLE PUNCH POINT)
- SWA-1 UP-GRADIENT SURFACE WATER MONITORING POINT
- SWC-3 DOWN-GRADIENT SURFACE WATER MONITORING POINT
- EXISTING POWER POLES
- EXISTING GUY WIRES

GENERAL NOTES:

1. EXISTING TOPOGRAPHY FOR THE INERT FILL AREA PROVIDED BY LEADING EDGE SURVEYORS, DATED AUGUST 2008.

2. EXISTING TOPOGRAPHY FOR THE AREAS SURROUNDING THE INERT FILL ARE PROVIDED BY LAND AIR MAPPING, INC., DATED NOVEMBER 12, 2001.

3. THE CONTRACTOR SHALL VISUALLY IDENTIFY AND PROTECT THE LOCATION OF ALL GROUNDWATER AND METHANE MONITORING POINTS WITHIN THE VICINITY OF CONSTRUCTION ACTIVITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES.

4. THE LIMITS OF THE INERT FILL SHOWN ON THE DRAWING HAVE BEEN DETERMINED VISUALLY AND ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LIMITS OF THE INERT FILL BY EXCAVATING TEST PITS. THE LOCATION OF THE ACTUAL LIMITS OF THE INERT FILL SHALL BE SURVEYED.

N

0 30' 60' 120'
SCALE BAR: 1"=60'

| REVISIONS | DATE | BY |
|---|---|---|
| REVISIONS REVISIONS | 8/08 | MS |
| | | |
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WESTON SOLUTIONS

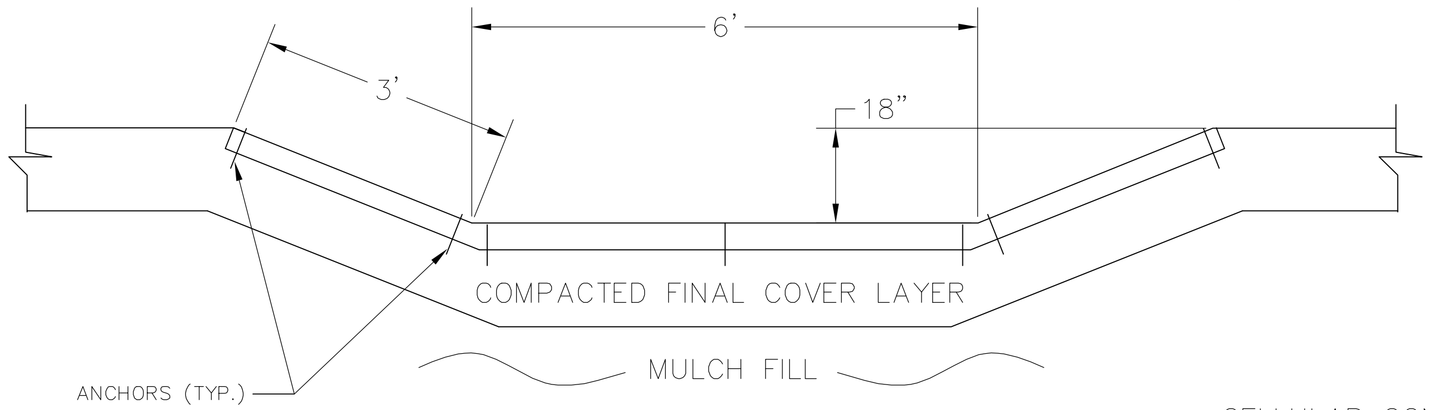
CLIENT:

FINAL COVER FOR MULCH AREA
MERK/MILES ROAD LANDFILL

TITLE:

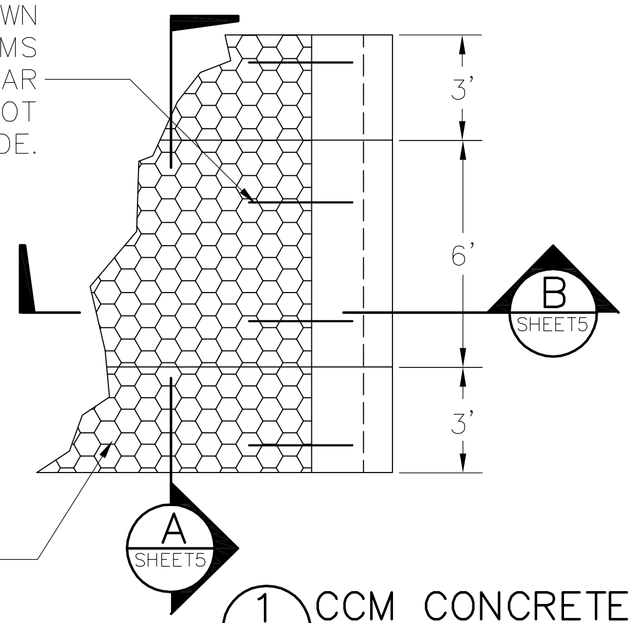
EXISTING CONDITIONS

| | |
|---|---|
| DRAWN BY | M. SNEED |
| CHECKED BY | R. WOODHAM |
| DATE | 10.10.08 |
| SCALE | 1" = 60' |
| JOB NO. | 12115.001.003.0001.02 |
| CAD FILE | MMMCAP1.DWG |
| SHEET | 3 |
| OF | 5 TOTAL SHEETS |




SECTION AA
N.T.S.

NO.3 REBAR 4 PLACES AS SHOWN
NOTE: DRILL CELLULAR CONFINEMENT SYSTEMS TRAILING EDGE TO INSERT REBAR. BEND REBAR DOWN IF SLOPE REQUIRES SO REBAR DOES NOT PROTRUDE.




1 SHEET5 CCM CONCRETE FLUME
N.T.S.

CELLULAR CONFINEMENT CONCRETE FLUME NOTES:

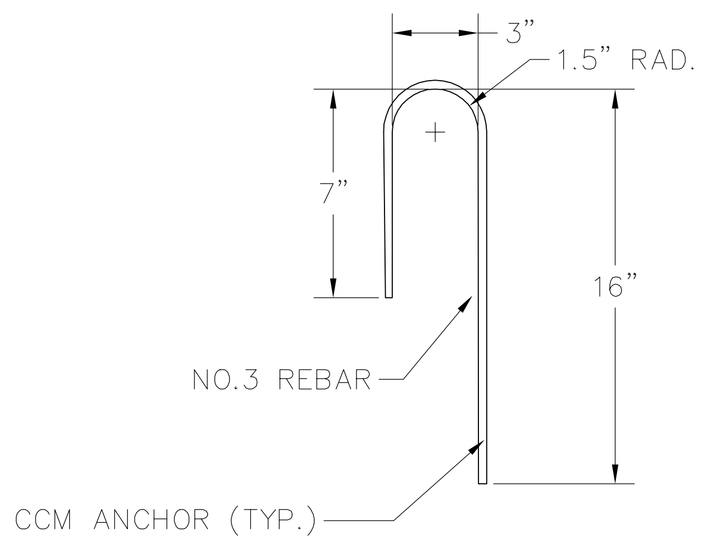
1. USE 6 INCH TALL CELLULAR CONFINEMENT MATERIALS (CCM) AS MANUFACTURED BY CELLULAR USA OR EQUAL.

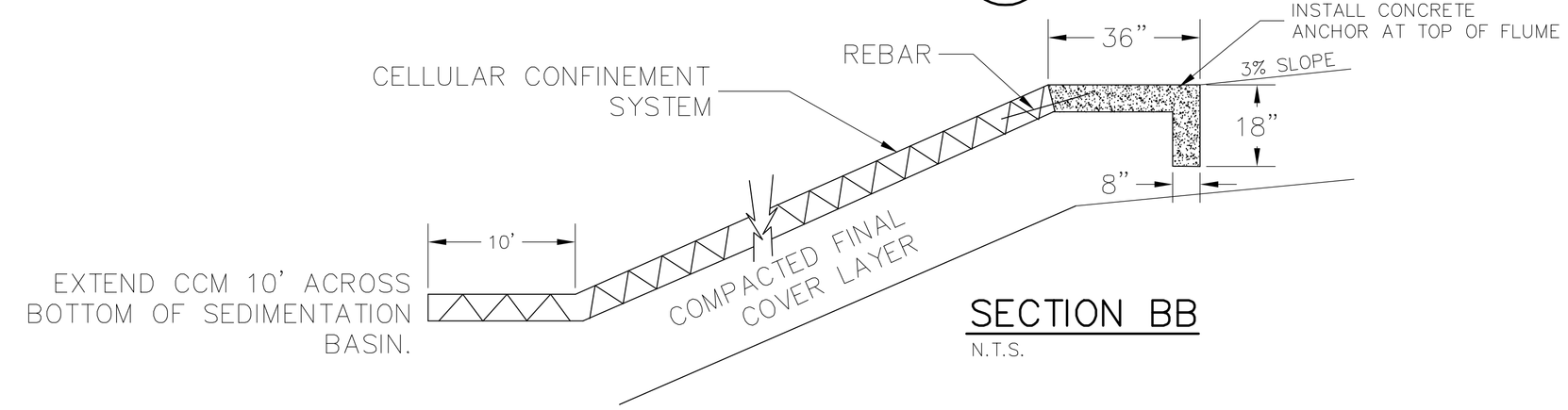
2. SHAPE EARTH SURFACE OF CHANNEL AS REQUIRED AND COMPACT TO 92 PERCENT BASED ON A STANDARD PROCTOR.

3. EXPAND CCM AND ANCHOR SIDES EVERY 4 FEET. INSTALL INTERIOR ANCHORS ON A 3 FOOT GRID TO ENSURE CCM IS TIGHT AGAINST EARTH SURFACE.

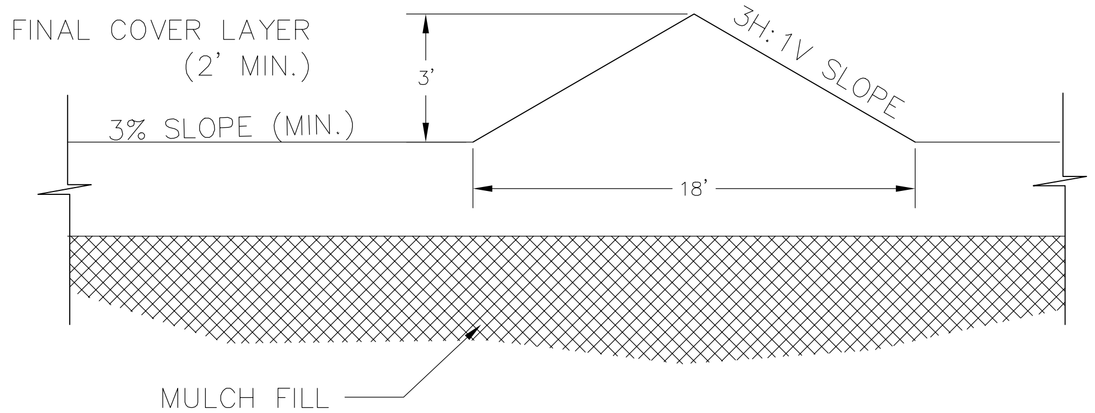
4. FILL CCM OPENINGS WITH 3,000 PSI CONCRETE AND LEAVE ROUGH FINISH.

5. BACKFILL AND VEGETATE EDGES OF THE CURED CCM CONCRETE FLUME SO THAT STORMWATER DOES NOT UNDERMINE CHANNEL.




SECTION BB
N.T.S.

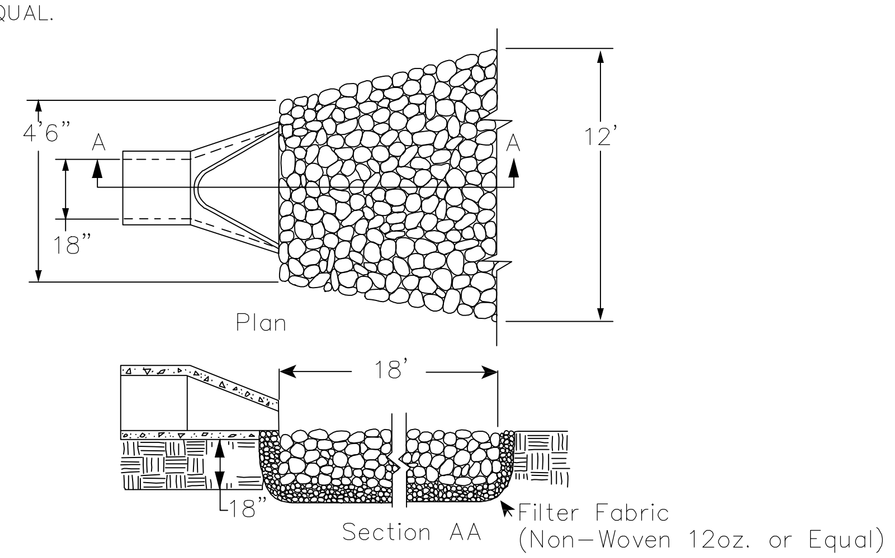



SECTION CC – STORMWATER DIVERSION BERM
N.T.S.

RIP RAP NOTES:

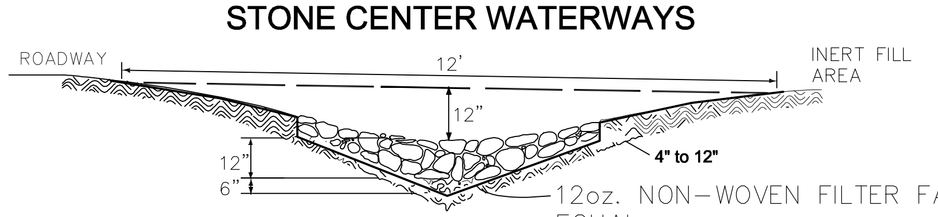
1. USE GRADED RIP RAP STONE GADOT TYPE 3 FOR PIPE OUTLETS AND CONCRETE CHANNEL OUTLETS. MAX. SIZE = 12 INCHES, AVG. SIZE = 9 INCHES, SMALLEST SIZE = 5 INCHES. FILTER STONE SHALL BE NO. 6 OR 57 STONE.

2. PLACE FILTER FABRIC PRIOR TO PLACEMENT OF FILTER STONE. FABRIC SHALL BE 12 OZ. NON-WOVEN OR EQUAL.

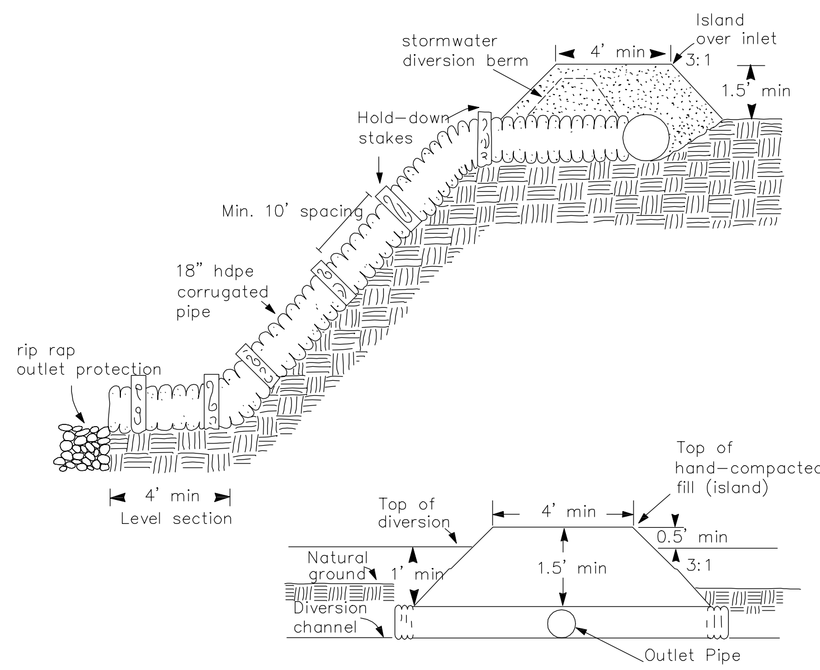



3 SHEET5 RIPRAP OUTLET PROTECTION DETAIL
N.T.S.

**STONE CENTER WATERWAYS**




4 SHEET5 RIP RAP CHANNEL
N.T.S.




Inlet Detail
Make all pipe connections watertight and secure so that the joints will not separate in use.

5 SHEET5 DOWNDRAIN PIPE AND INLET DETAIL
N.T.S.

| REVISIONS | DATE | BY |
|---|---|---|
| REVISIONS REVISIONS | 8/08 | MS |
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WESTON SOLUTIONS

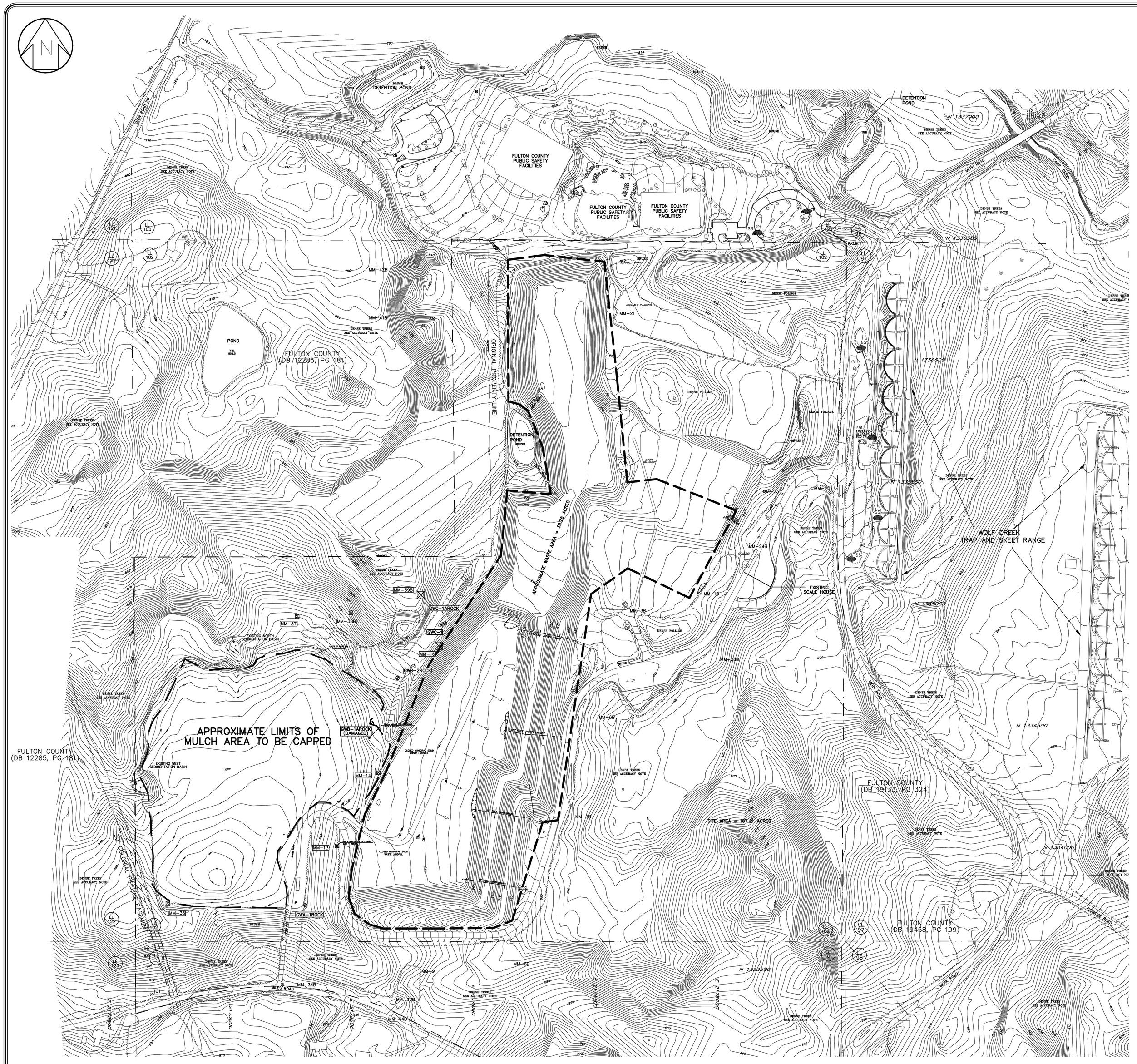
CLIENT:

FINAL COVER FOR MULCH AREA
MERK/MILES ROAD LANDFILL

TITLE:

CONSTRUCTION DETAILS

| |
|---|
| DRAWN BY M. SNEED |
| CHECKED BY R. WOODHAM |
| DATE 10.10.08 |
| SCALE NO SCALE |
| JOB NO. 12115.001.003.0001.02 |
| CAD FILE MMMCAP1.DWG |
| SHEET 5 |
| OF 5 TOTAL SHEETS |




GENERAL LEGEND:

- APPROXIMATE LIMIT OF MULCH FILL AREA
- APPROXIMATE LIMIT OF WASTE BOUNDARY (MSW)
- 910 — INDEX CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- COMPLIANCE BOUNDARY FOR LANDFILL FACILITY
- GWA-1 — EXISTING UP-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- GWB-3A — EXISTING SIDE-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- GWC-1 — EXISTING DOWN-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- MM-2 — EXISTING METHANE MONITORING POINTS. ("F" INDICATES FACILITY MONITORING POINT, "B" INDICATES BAR HOLE PUNCH POINT)
- SWA-1 — UP-GRADIENT SURFACE WATER MONITORING POINT
- SWC-3 — DOWN-GRADIENT SURFACE WATER MONITORING POINT
- EXISTING POWER POLES
- EXISTING GUY WIRES
- EXISTING GUARD RAIL
- EXISTING PHONE MARKERS
- EXISTING TREELINE

0 50' 100' 200'

SCALE BAR: 1"=200'

## LEGAL DESCRIPTION

MERK/MILES ROAD LANDFILL
Landfill Site Boundary

All that tract or parcel of land lying and being in land lot 102 of the 14th District, Fulton County, Georgia and being more particularly described as follows:

Beginning at an iron pin located at the northern corner common to land lots 97 and 102 said point being the point of beginning, proceed South 00 degrees 23 minutes 10 seconds West for a distance of 305.30 feet to a point; thence proceed South 06 degrees 14 minutes 42 seconds West for a distance of 241.36 feet along the chord of a curve to the left having a radius of 1365.77 feet and an arc distance of 241.67 feet; thence proceed South 01 degrees 10 minutes 33 seconds West for a distance of 562.57 feet to a point; thence proceed South 04 degrees 00 minutes 42 seconds East for a distance of 422.40 feet along the chord of a curve to the left having a radius of 2335.95 feet and an arc distance of 422.98 feet to a point; thence proceed South 00 degrees 23 minutes 10 seconds West for a distance of 1412.00 feet to a point; thence proceed North 89 degrees 44 minutes 49 seconds West for a distance of 2138.06 feet to a point; thence proceed South 00 degrees 32 minutes 50 seconds East for a distance of 131.80 feet to a point; thence proceed South 88 degrees 37 minutes 34 seconds West for a distance of 514.17 feet along the chord of a curve to the left having a radius of 1230.58 feet and an arc distance of 517.99 feet; thence proceed South 74 degrees 34 minutes 03 second West for a distance of 259.35 feet to a point; thence proceed North 00 degrees 25 minutes 17 seconds East for a distance of 234.15 feet to a point; thence proceed North 00 degrees 06 minutes, 08 seconds West for a distance of 1641.29 feet to a point; thence proceed North 89 degrees 54 minutes 23 seconds East for a distance of 1464.38 feet to a point; thence proceed North 00 degrees 38 minutes 41 seconds West for a distance of 1,300.45 feet to a point; thence proceed along the northern line of land lot 102 South 89 degrees 23 minutes 37 seconds East for a distance of 1471.43 feet to an iron pipe, said point being the point of beginning.

| REVISIONS | DATE | BY |
|---|---|---|
| REVISIONS REVISIONS | 8/08 | MS |
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WESTON SOLUTIONS

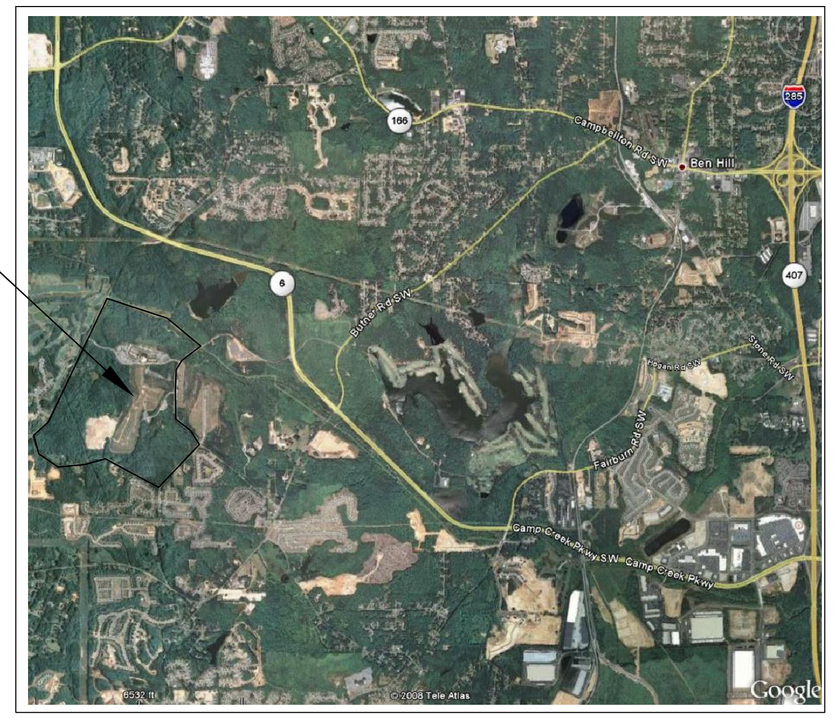
CLIENT:

TITLE: FINAL COVER FOR MULCH AREA
MERK/MILES ROAD LANDFILL
SITE PLAN

| | |
|---|---|
| DRAWN BY | M. SNEED |
| CHECKED BY | R. WOODHAM |
| DATE | 10.10.08 |
| SCALE | 1" = 200' |
| JOB NO. | 12115.001.003.0001.02 |
| CAD FILE | MMMCAP1.DWG |
| SHEET | 2 |
| OF | 5 TOTAL SHEETS |

# CONSTRUCTION PLANS FOR FINAL COVER FOR MULCH AREA MERK/MILES ROAD LANDFILL FULTON COUNTY, GEORGIA

## OCTOBER 2008




VICINITY MAP

SITE LOCATION MAP

SITE OWNED BY:
FULTON COUNTY
DEPARTMENT OF PUBLIC WORKS
141 PRYOR STREET, SW
ATLANTA, GEORGIA 30303
(404) 730-7400
ANGELA PARKER - DIRECTOR

SITE ADDRESS
MERK / MILES ROAD LANDFILL
MILES ROAD
ATLANTA, GEORGIA 30350

PREPARED BY
WESTON SOLUTIONS, INC.
5430 METRIC PLACE, SUITE 100
NORCROSS, GEORGIA 30092
(770) 325-7900

FULTON COUNTY

WESTON SOLUTIONS

| DRAWING INDEX | |
|---|---|
| SHEET NUMBER | DESCRIPTION |
| 1 | COVER |
| 2 | SITE PLAN |
| 3 | EXISTING CONDITIONS |
| 4 | FINAL GRADING PLAN |
| 5 | CONSTRUCTION DETAILS |

| REVISIONS | DATE | BY |
|---|---|---|
| REVISIONS REVISIONS | 8/08 | MS |
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| | | |
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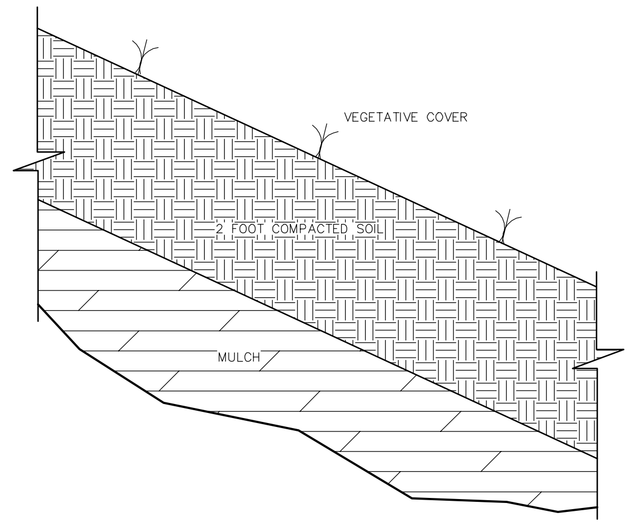
| | | |

GENERAL LEGEND:

- APPROXIMATE LIMIT MULCH FILL AREA.
- APPROXIMATE LIMIT OF MUNICIPAL SOLID WASTE LANDFILL.
- 910 — EXISTING CONTOURS.
- 912 — FINAL CONTOURS FOR INERT FILL.
- COMPLIANCE BOUNDARY FOR LANDFILL FACILITY (PROPERTY LINE).
- GWA-1 — EXISTING UP-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- GWB-3A — EXISTING SIDE-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- GWC-1 — EXISTING DOWN-GRADIENT GROUNDWATER MONITORING WELL ("R" INDICATES WELL COMPLETED IN BEDROCK)
- MM-2 — EXISTING METHANE MONITORING POINTS. ("F" INDICATES FACILITY MONITORING POINT, "B" INDICATES BAR HOLE PUNCH POINT)
- EXISTING POWER POLES
- EXISTING GUY WIRES




SECTION – FINAL COVER LAYER
N.T.S.

GENERAL NOTES:

1. EXISTING TOPOGRAPHY FOR THE TWO SEDIMENTATION BASINS IS PROVIDED BY LEADING EDGE SURVEYORS, DATED AUGUST 2008.

2. EXISTING TOPOGRAPHY FOR THE AREAS SURROUNDING THE INERT FILL IS PROVIDED BY LAND AIR MAPPING, INC., DATED NOVEMBER 12, 2001.

3. THE CONTRACTOR SHALL VISUALLY IDENTIFY AND PROTECT THE LOCATION OF ALL GROUNDWATER AND METHANE MONITORING POINTS WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO ANY CONSTRUCTION ACTIVITIES.

4. THE LIMITS OF THE INERT FILL SHOWN ON THE DRAWING HAVE BEEN DETERMINED VISUALLY AND ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LIMITS OF THE INERT FILL BY EXCAVATING TEST PITS. THE LOCATION OF THE ACTUAL LIMITS OF THE INERT FILL SHALL BE SURVEYED.

5. THE IMPORTED FILL FOR THE INERT FILL LANDFILL CAP SHALL BE PLACED TO ACHIEVE 92 PERCENT COMPACTION BASED ON A STANDARD PROCTOR.

6. THE SURFACE OF THE INERT FILL LANDFILL CAP SHALL BE GRADED TO A MINIMUM ALLOWABLE SLOPE OF 3 PERCENT AND A MAXIMUM SLOPE OF 33 PERCENT.

7. THE INERT FILL LANDFILL CAP SOIL MATERIALS SHALL NOT BE PLACED WITHIN 15 FEET OF METHANE MONITORING PROBES MM-15, MM-14 & GWB-1AROCK. BARRICADES TO PROTECT THESE MONITORING POINTS SHALL BE ERECTED PRIOR TO ANY CONSTRUCTION ACTIVITIES.

8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE REQUIRED SEDIMENTATION AND EROSION CONTROLS BASED ON THE REQUIRED EROSION CONTROL PERMITTING. ALL CONTROLS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENTATION CONTROLS IN GEORGIA, 5TH EDITION.

9. THE CLEAN OUT ELEVATIONS FOR THE FLOOR OF THE SEDIMENTATION BASINS SHALL BE 914.5 (WEST) AND 984.0 (NORTH).

0 30' 60' 120'
SCALE BAR: 1"=60'

WESTON SOLUTIONS

CLIENT:

FINAL COVER FOR MULCH AREA
MERK/MILES ROAD LANDFILL

TITLE:

FINAL GRADING PLAN

| | |
|---|---|
| DRAWN BY | M. SNEED |
| CHECKED BY | R. WOODHAM |
| DATE | 10.10.08 |
| SCALE | 1" = 60' |
| JOB NO. | 12115.001.003.0001.02 |
| CAD FILE | MMMCAP1.DWG |
| SHEET | 4 |
| OF | 5 TOTAL SHEETS |