

SOURCE: AAA, 2000 EDITION, ILLINOIS/INDIANA

KEY MAP

GM BEDFORD REMOVAL ACTION SITE SOURCE CONTROL PLAN, ADDENDUM NO. 2

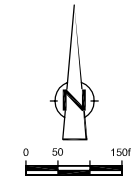
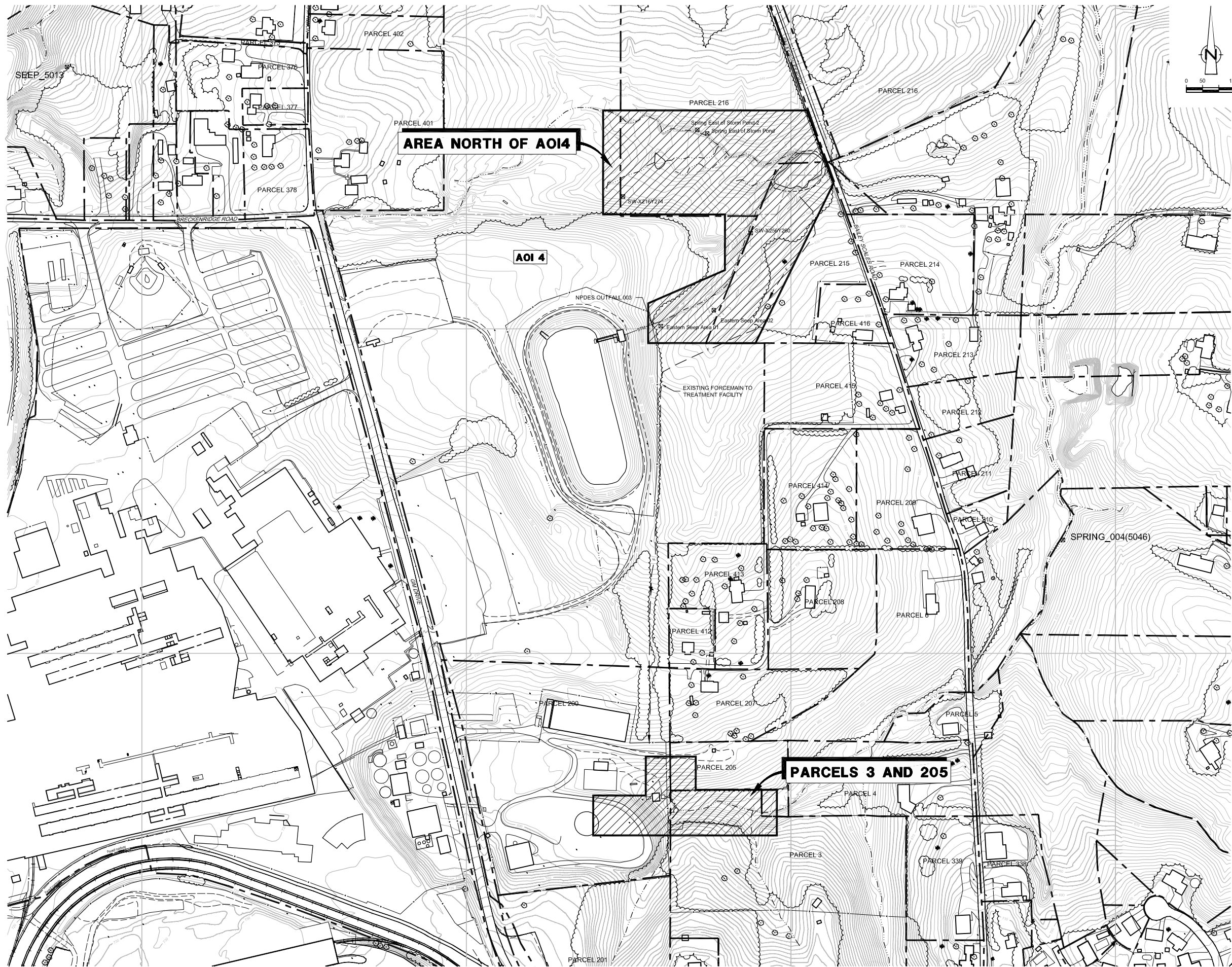
DRAWING INDEX

DWG. No.	REV. No.	DATE	TITLE
G-01	0	JULY 2004	EXISTING CONDITIONS (JUNE 2004)
C-01	0	JULY 2004	PARCELS 3 AND 205 - EXISTING CONDITIONS (JUNE 2004)
C-02	0	JULY 2004	PARCELS 3 AND 205 - DETAILS OF COMPLETED WORKS (JUNE 2004)
C-03	0	JULY 2004	AREA NORTH OF AO14 - EXISTING CONDITIONS
C-04	1	AUGUST 2004	PARCELS 3 AND 205 - SITE WORKS
C-05	2	OCTOBER 2004	AREA NORTH OF AO14 - SITE WORKS
C-06	0	JULY 2004	PARCEL 200 - SITE WORKS/FORCEMAIN PLAN AND PROFILE
C-07	1	AUGUST 2004	PARCELS 3 AND 205 - FORCEMAIN PLAN AND PROFILE
C-08	0	JULY 2004	PARCELS 3, 200 AND 205 - FORCEMAIN PLAN AND PROFILE
C-09	1	AUGUST 2004	PARCELS 3 AND 205 - STORM SEWER PLAN AND PROFILE
C-10	1	OCTOBER 2004	AREA NORTH OF AO14 - COLLECTION SYSTEM A PLAN AND PROFILE
C-11	2	OCTOBER 2004	AREA NORTH OF AO14 - COLLECTION SYSTEM B PLAN AND PROFILE
C-12	1	OCTOBER 2004	AREA NORTH OF AO14 - COLLECTION SYSTEM C PLAN AND PROFILE
C-13	1	AUGUST 2004	AREA NORTH OF AO14 - STORM SEWER PLAN AND PROFILE
C-14	1	AUGUST 2004	PARCELS 3 AND 205 - GRADING PLAN
C-15	0	JULY 2004	AREA NORTH OF AO14 - GRADING PLAN
C-16	1	AUGUST 2004	PARCELS 3 AND 205 - STORM SEWER DETAILS I
C-17	0	JULY 2004	PARCELS 3 AND 205 - STORM SEWER DETAILS II
C-18	2	OCTOBER 2004	AREA NORTH OF AO14 - COLLECTION SYSTEMS 'A', 'B' AND 'C' PLAN & SECTIONS
C-19	2	OCTOBER 2004	AREA NORTH OF AO14 - COLLECTION SYSTEM DETAILS
C-20	0	OCTOBER 2004	AREA NORTH OF AO14 - COLLECTION SYSTEM 'G' PLAN & SECTIONS
S-01	1	AUGUST 2004	CONTAINMENT INLET STRUCTURE DETAILS
S-02	1	AUGUST 2004	OUTFALL STRUCTURES DETAILS
S-03	0	JULY 2004	MISCELLANEOUS DETAILS
M-01	0	JULY 2004	PARCELS 3, 205 AND AREA NORTH OF AO14 - WET WELLS 1, 2 AND 3
M-02	2	OCTOBER 2004	MGT LIFT STATION
M-03	0	JULY 2004	WET WELL METERING CHAMBER
P-01	0	JULY 2004	PROCESS FLOW DIAGRAM
E-01	1	AUGUST 2004	ELECTRICAL SINGLE LINE DIAGRAM
E-02	0	JULY 2004	ELECTRICAL CONTROL SCHEMATICS
E-03	1	AUGUST 2004	ELECTRICAL CABLE TRENCH AND PANEL INSTALLATION DETAILS

GM POWERTRAIN BEDFORD FACILITY BEDFORD, INDIANA



CONESTOGA-ROVERS & ASSOCIATES



NO	Revision	Date	Initial

LEGEND

	APPROXIMATE SURFACE WATER LOCATION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE GM PROPERTY BOUNDARY
	SEEP SAMPLE LOCATION
	SPRING SAMPLE LOCATION
	EXISTING STORM SEWER
	EXISTING STORM OUTFALL
	EXISTING FORCEMAIN TO TREATMENT FACILITY

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved _____

DRAWING STATUS

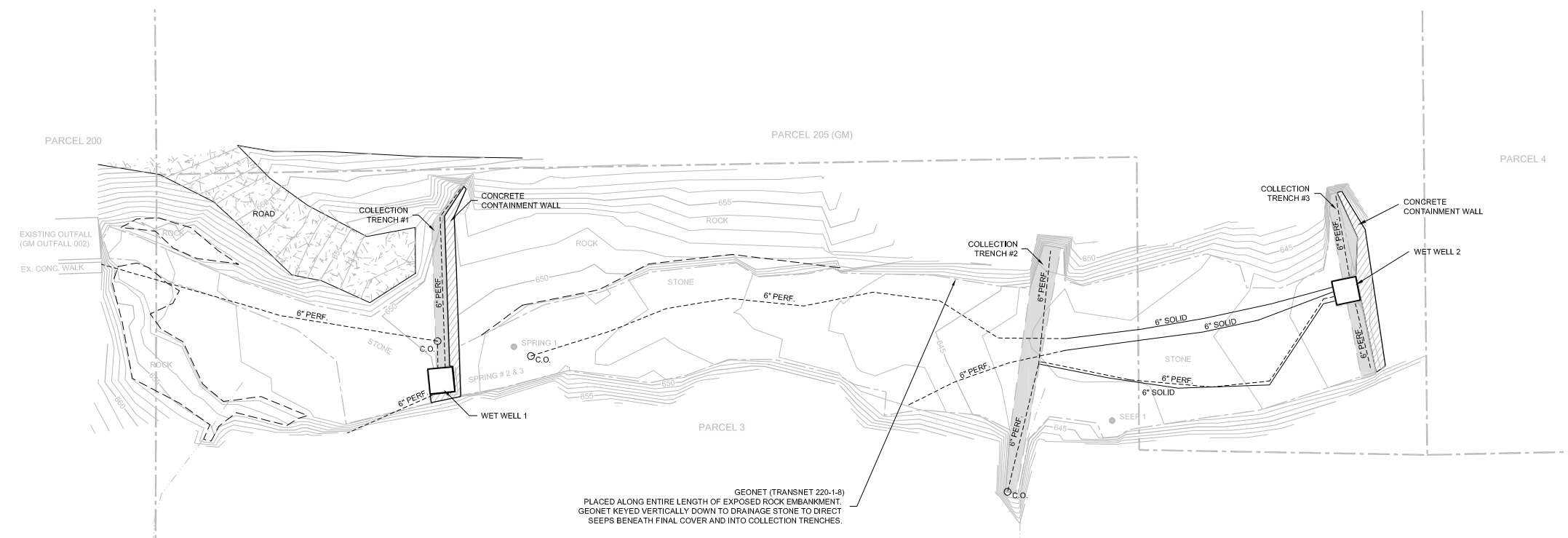
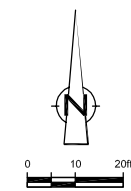
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
 SITE SOURCE CONTROL PLAN
 ADDENDUM NO. 2
 EXISTING CONDITIONS
 (JUNE 2004)**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 150'	Project No: 13968-00	Report No: 108 Drawing No: G-01



NO.	Revision	Date	Initial

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- APPROXIMATE PARCEL BOUNDARY
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- EXISTING 6" DIA. PERFORATED DRAIN PIPE
- EXISTING 6" DIA. SOLID WALL DRAIN PIPE
- EXISTING CLEANOUT
- LIMIT OF EXISTING ROCK OUTCROP
- LIMIT OF DRAINAGE STONE PREGRADE (MAY 2004)
- EXISTING WET WELL STRUCTURE

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**

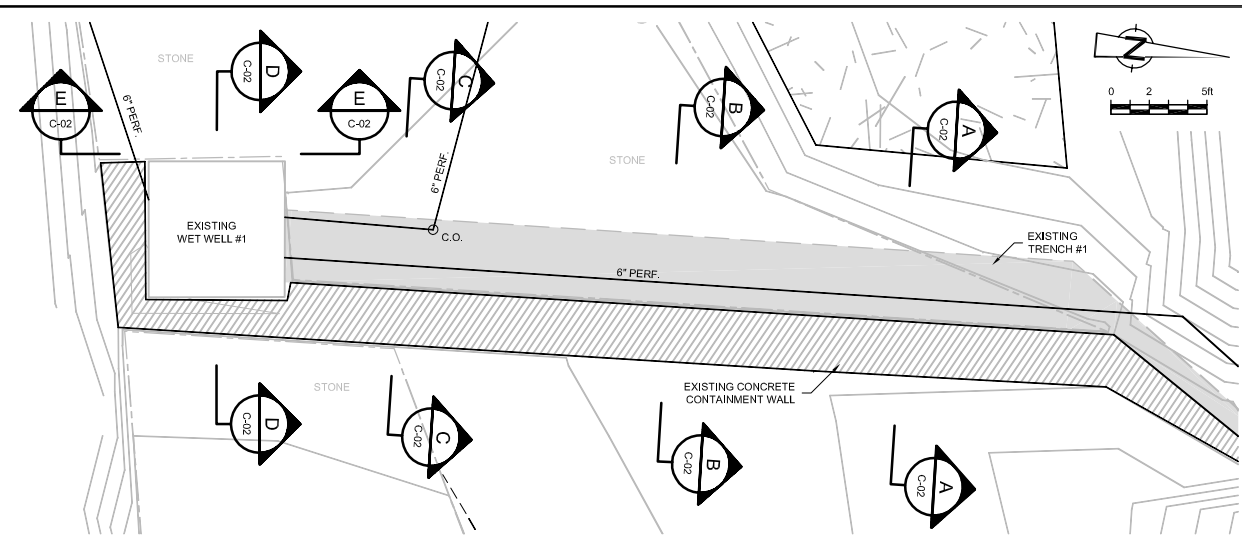
ADDENDUM NO. 2

**PARCELS 3 AND 205
EXISTING CONDITIONS (JUNE 2004)**

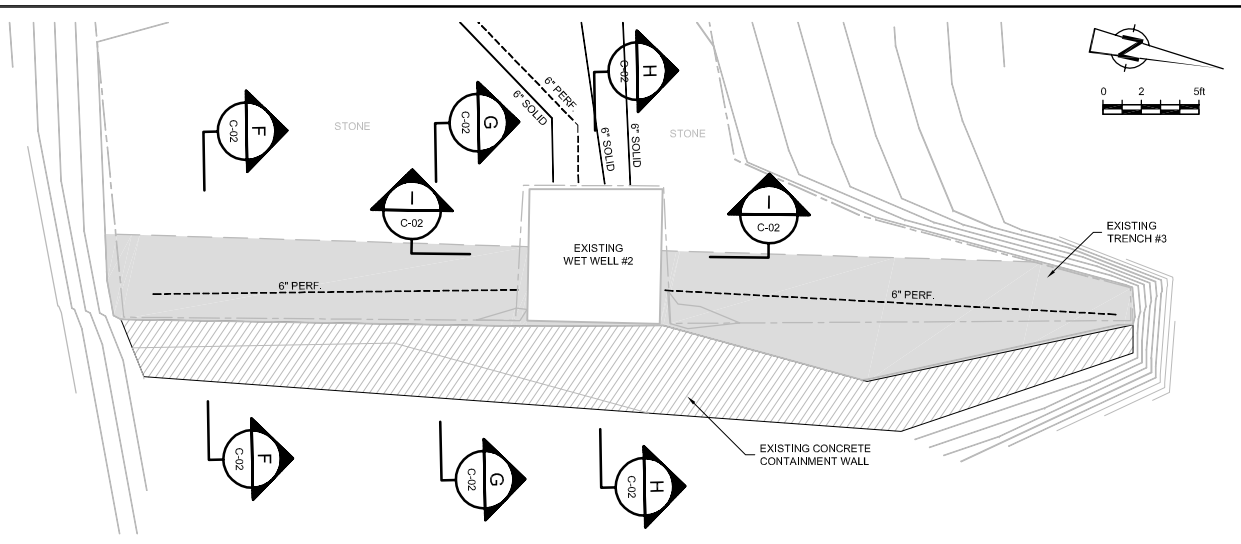
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE BY SEVENSON ENVIRONMENTAL SURVEY MAY 13, 2004

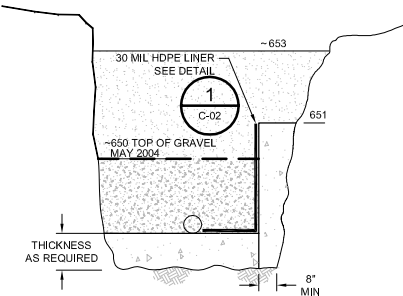
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 20'	Project NR: 13968-00	Report NR: 108 Drawing NR: C-01



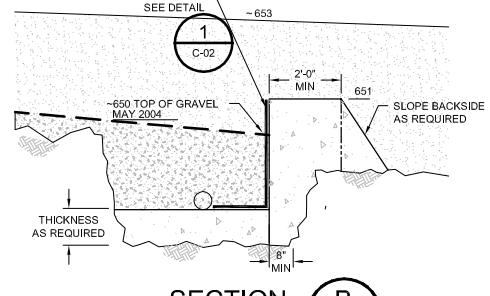
TRENCH #1 - PLAN VIEW
1" = 5'



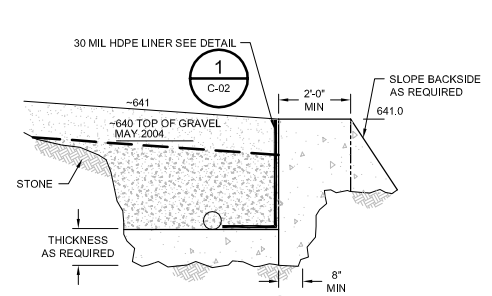
TRENCH #3 - PLAN VIEW
1" = 5'



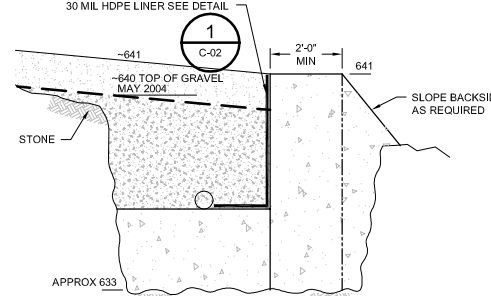
SECTION A
3/8" = 1'
C-02



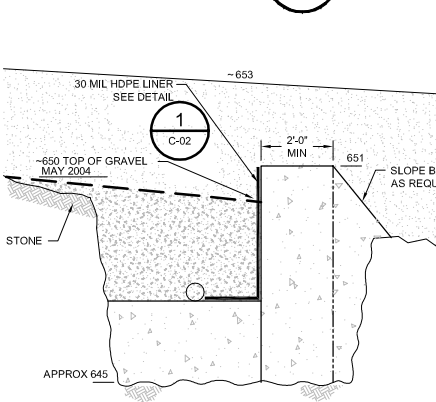
SECTION B
3/8" = 1'
C-02



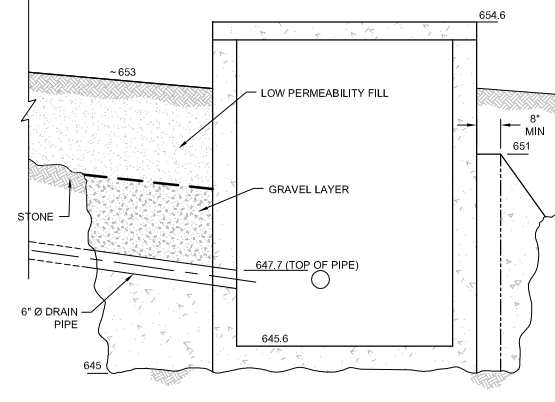
SECTION F
3/8" = 1'
C-02



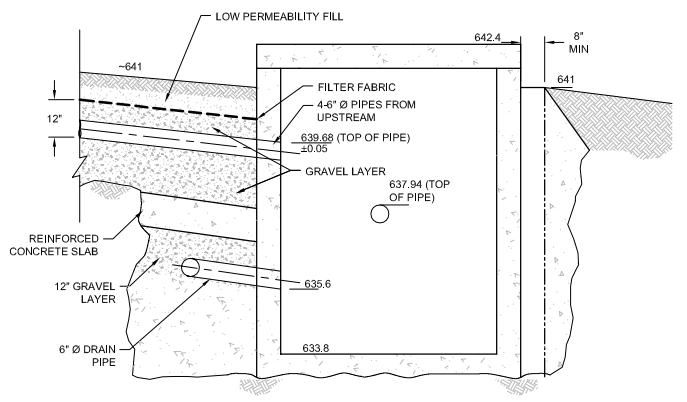
SECTION G
3/8" = 1'
C-02



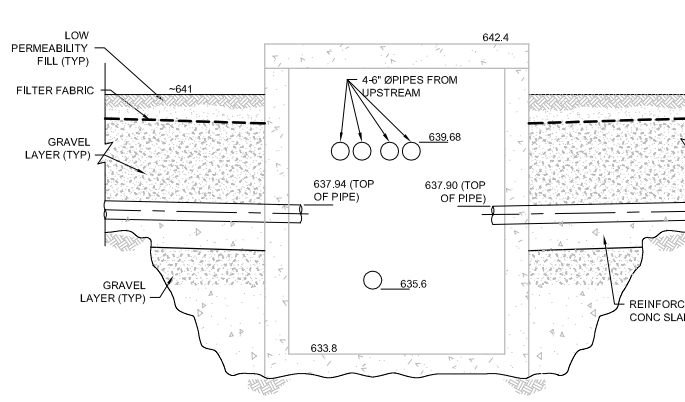
SECTION C
3/8" = 1'
C-02



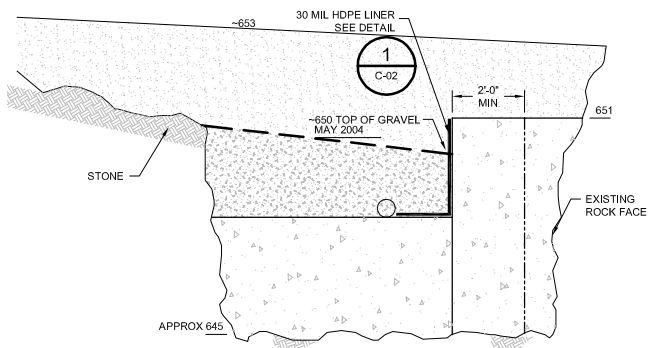
SECTION D
3/8" = 1'
C-02



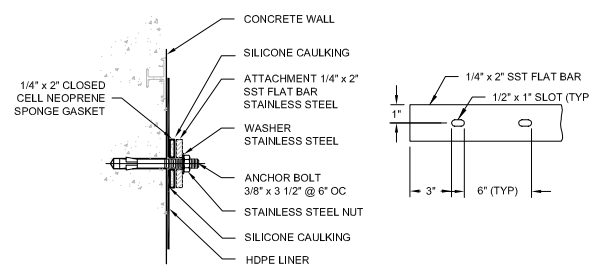
SECTION H
3/8" = 1'
C-02



SECTION I
3/8" = 1'
C-02



SECTION E
3/8" = 1'
C-02



DETAIL 1 LINER INSTALLATION
N.T.S.

NO	Revision	Date	Initial

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

DRAWING STATUS

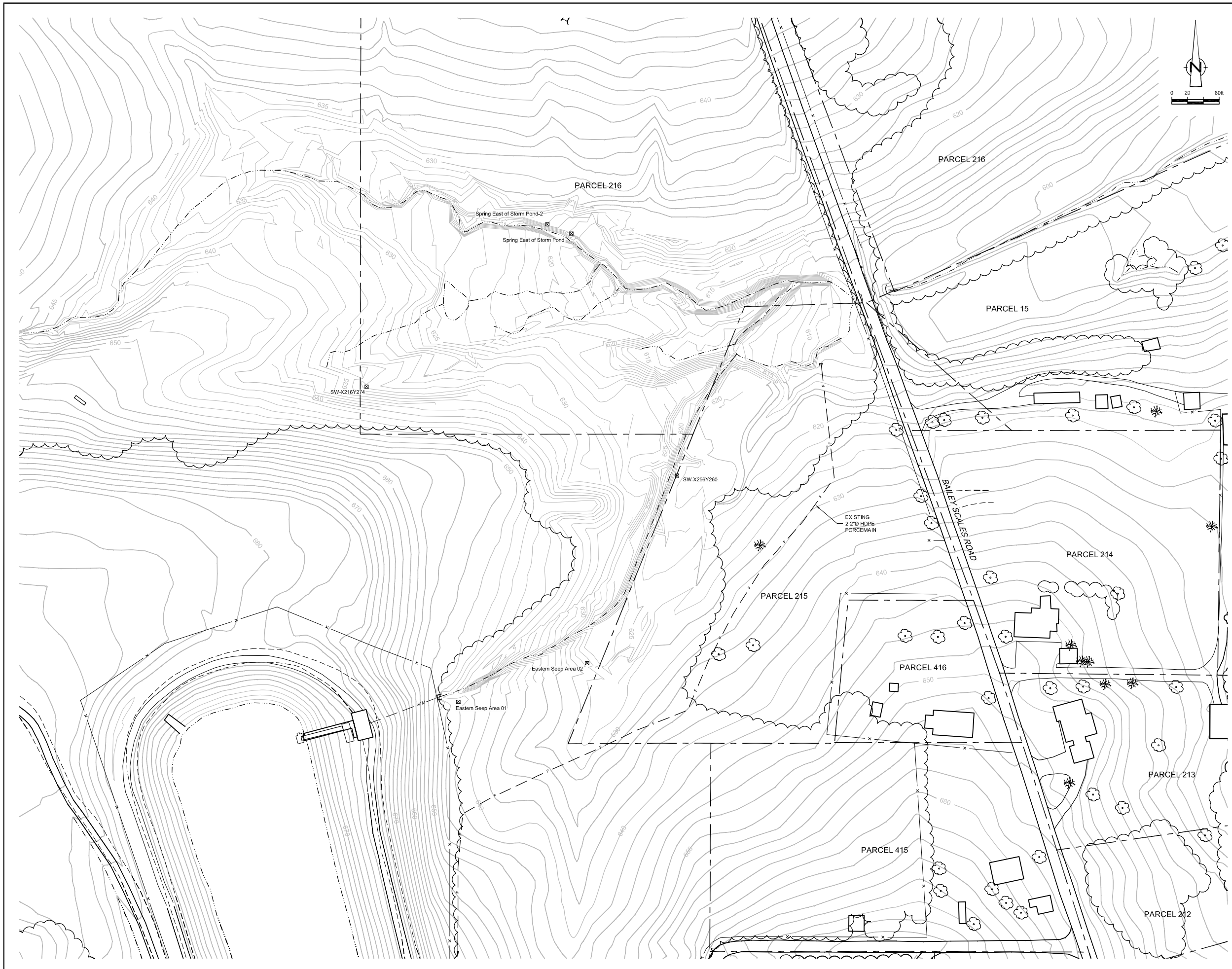
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH
Status	Date	Initial

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
PARCELS 3 AND 205
DETAILS OF COMPLETED WORKS (JUNE 2004)



Source Reference:
BASE BY SEVENSON ENVIRONMENTAL SURVEY MAY 13, 2004

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project NR: 13968-00	Report NR: 108
		Drawing NR: C-02



NO	Revision	Date	Initial

LEGEND

-----	APPROXIMATE SURFACE WATER LOCATION
-----	APPROXIMATE PROPERTY BOUNDARY
-----	APPROXIMATE GM PROPERTY BOUNDARY
☒	SEEP
☒	SEEP SAMPLE LOCATION
☒	SPRING
---	SPRING SAMPLE LOCATION
---	EXISTING STORM SEWER
---	EXISTING STORM OUTFALL
---	EXISTING FORCEMAIN TO TREATMENT FACILITY

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved _____

DRAWING STATUS

ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH
Status	Date	Initial

**GM BEDFORD REMOVAL ACTION
 SITE SOURCE CONTROL PLAN**

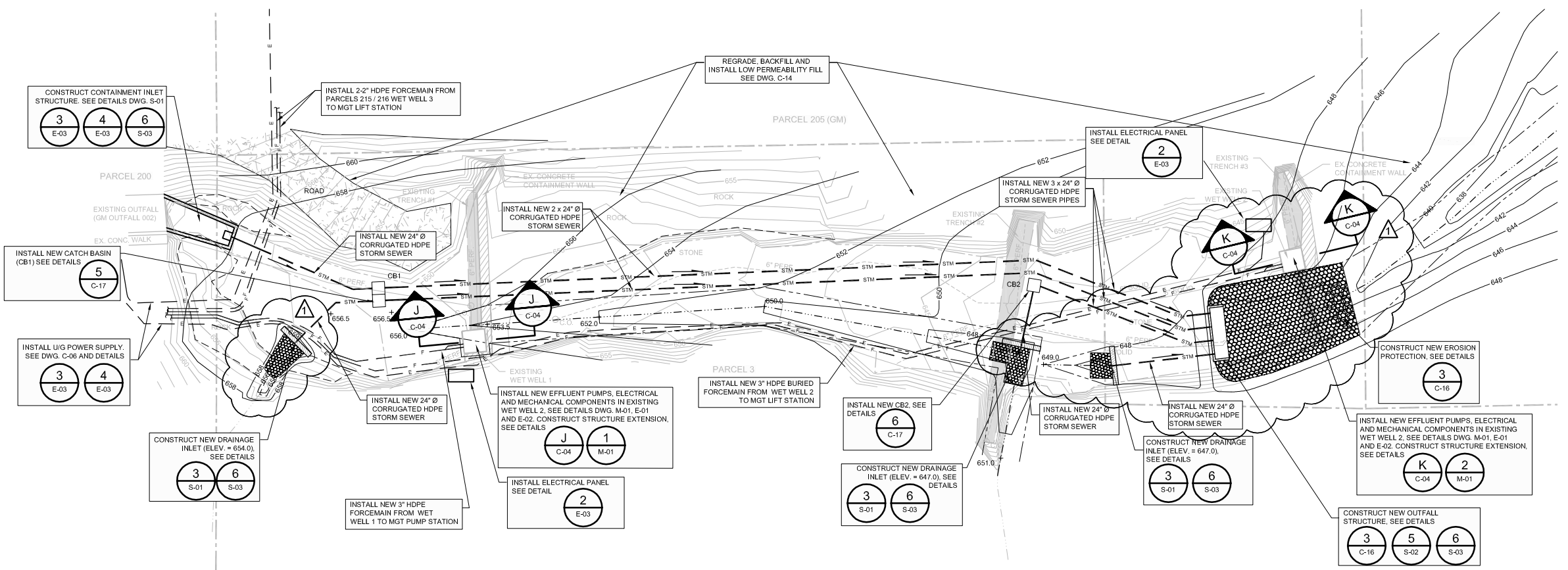
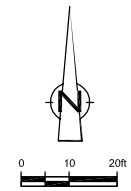
ADDENDUM NO. 2

**AREA NORTH OF AO14
 EXISTING CONDITIONS**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI APRIL 2001
 SUPPLEMENTARY FIELD SURVEY BY SEVENSON ENVIRONMENTAL (JUNE 2004)

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 60'	Project N°: 13968-00	Report N°: 108
		Drawing N°: C-03



NO	Revision	Date	Initial
1	POSITION OF NEW OUTFALL STRUCTURE AND NEW DRAINAGE INLETS REVISED.	AUG 20, 2004	AW
	PROPOSED CONTOURS REVISED IN AREAS SHOWN		

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- APPROXIMATE PARCEL BOUNDARY
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- EXISTING 6" DIA. PERFORATED DRAIN PIPE
- EXISTING 6" DIA. SOLID WALL DRAIN PIPE
- EXISTING CLEANOUT
- LIMIT OF EXISTING ROCK OUTCROP
- LIMIT OF DRAINAGE STONE PREGRADE (MAY 2004)
- EXISTING WET WELL STRUCTURE
- PROPOSED CONTOUR
- PROPOSED STORM SEWER
- PROPOSED FORCEMAIN
- PROPOSED SWALE / CHANNEL
- PROPOSED CATCHBASIN
- FLOW DIRECTION
- PROPOSED OUTFALL STRUCTURE
- ELECTRICAL POWER LINE

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved _____

DRAWING STATUS

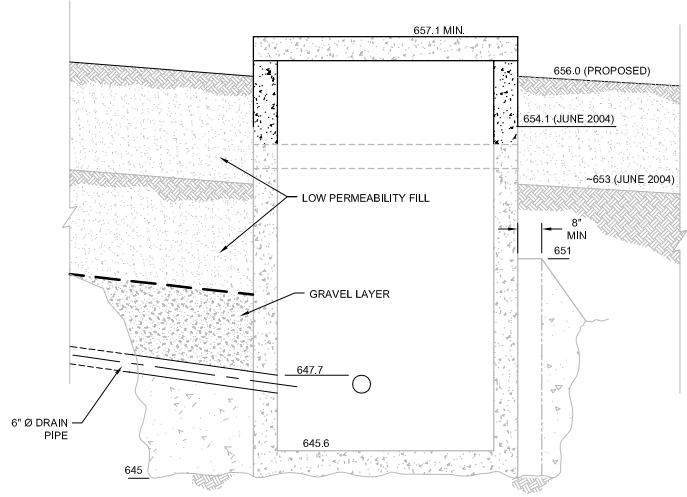
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
PARCEL 3 AND 205
SITE WORKS

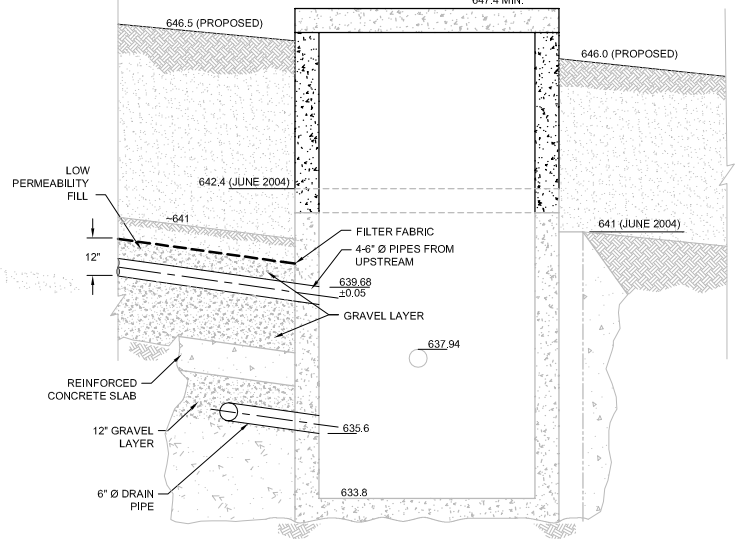
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE BY SEVENSON ENVIRONMENTAL SURVEY MAY 13, 2004

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 20'	Project NR: 13968-00	Report NR: 108 Drawing NR: C-04

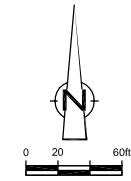
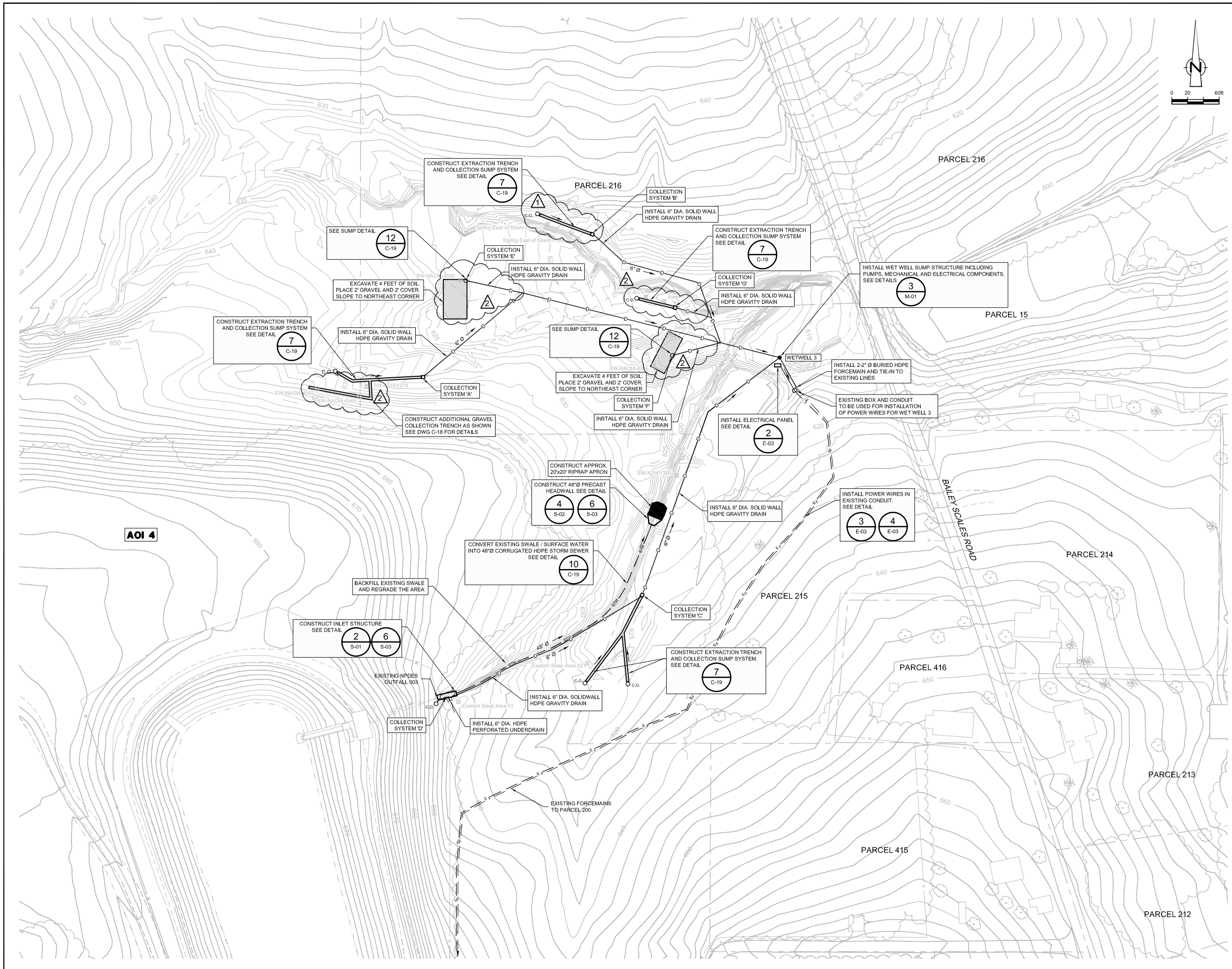


SECTION J
3/8" = 1"
C-04



SECTION K
3/8" = 1"
C-04

NOTE:
SALVAGE EXISTING WETWELL CAP STRUCTURE.
PROVIDE STANDARD RISER SECTIONS TO MEET
MINIMUM FINAL ELEVATION FOR TOP OF WETWELL.



NO	Revision	Date	Initial
1	POSITION OF PROPOSED EXTRACTION TRENCH AND COLLECTION SYSTEM REVISED	AUG 20, 2004	AW
2	ADDITIONAL SEEP COLLECTION AREAS	OCT 18, 2004	CRH

LEGEND	
	EXISTING CONTOUR
	APPROXIMATE SURFACE WATER LOCATION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE GM PROPERTY BOUNDARY
	SEEP SAMPLE LOCATION
	SPRING SAMPLE LOCATION
	EXISTING STORM SEWER
	EXISTING FORCEMAIN TO TREATMENT FACILITY
	PROPOSED OVERBURDEN EXTRACTION TRENCH
	PROPOSED SPRING CONTAINING COLLECTION SUMP STRUCTURE
	PROPOSED 42\"/>

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

APPROVED

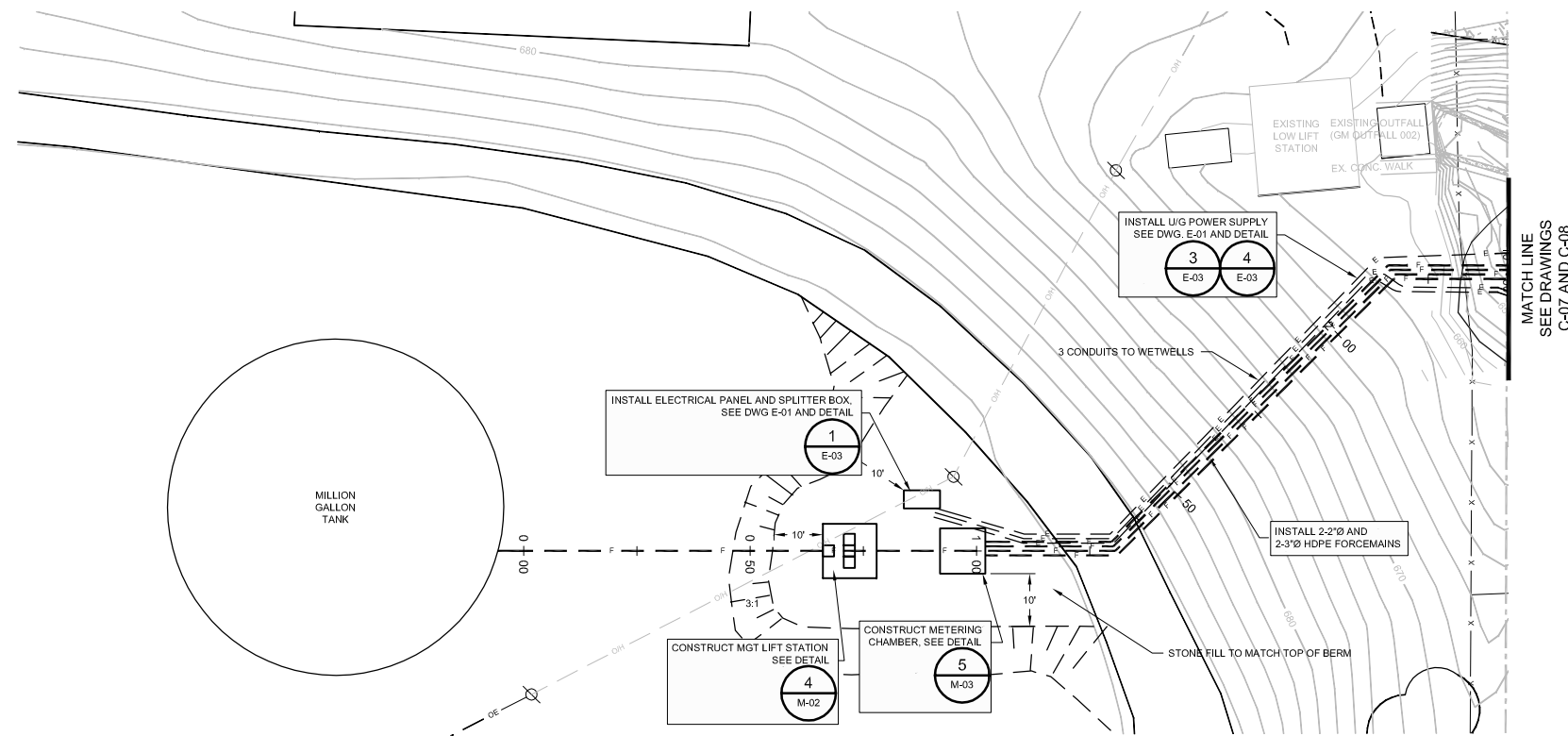
DRAWING STATUS		
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH
Status	Date	Initial

**GM BEDFORD REMOVAL ACTION
 SITE SOURCE CONTROL PLAN**
 ADDENDUM NO. 2
 AREA NORTH OF AOI 4
 SITE WORKS

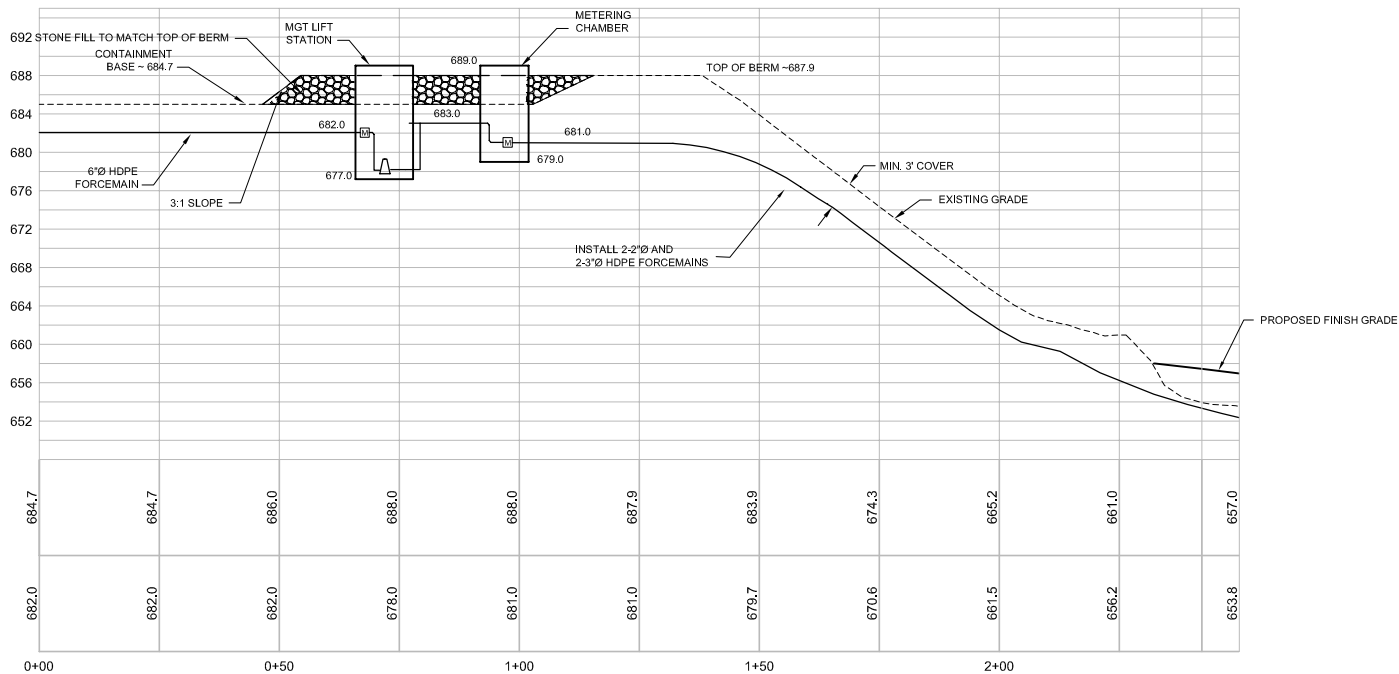
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 60'	Project No: 13968-00	Report No: 108
		Drawing No: C-05



MATCH LINE
SEE DRAWINGS
C-07 AND C-08



FORCEMAIN PROFILE
HOR. 1" = 20'
VER. 1" = 10'

NO	Revision	Date	Initial

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- APPROXIMATE PARCEL BOUNDARY
- ROADS / UNPAVED AREAS
- 6" PERF. EXISTING 6" DIA. PERFORATED DRAIN PIPE
- 6" SOLID. EXISTING 6" DIA. SOLID WALL DRAIN PIPE
- C.O. EXISTING CLEANOUT
- LIMIT OF DRAINAGE STONE PREGRADE (MAY 2004)
- WET WELL 2 EXISTING WET WELL STRUCTURE
- PROPOSED CONTOUR
- PROPOSED STORM SEWER
- PROPOSED SWALE / CHANNEL
- PROPOSED CATCHBASIN
- PROPOSED FORCEMAIN
- ELECTRICAL POWER LINE

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

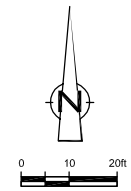
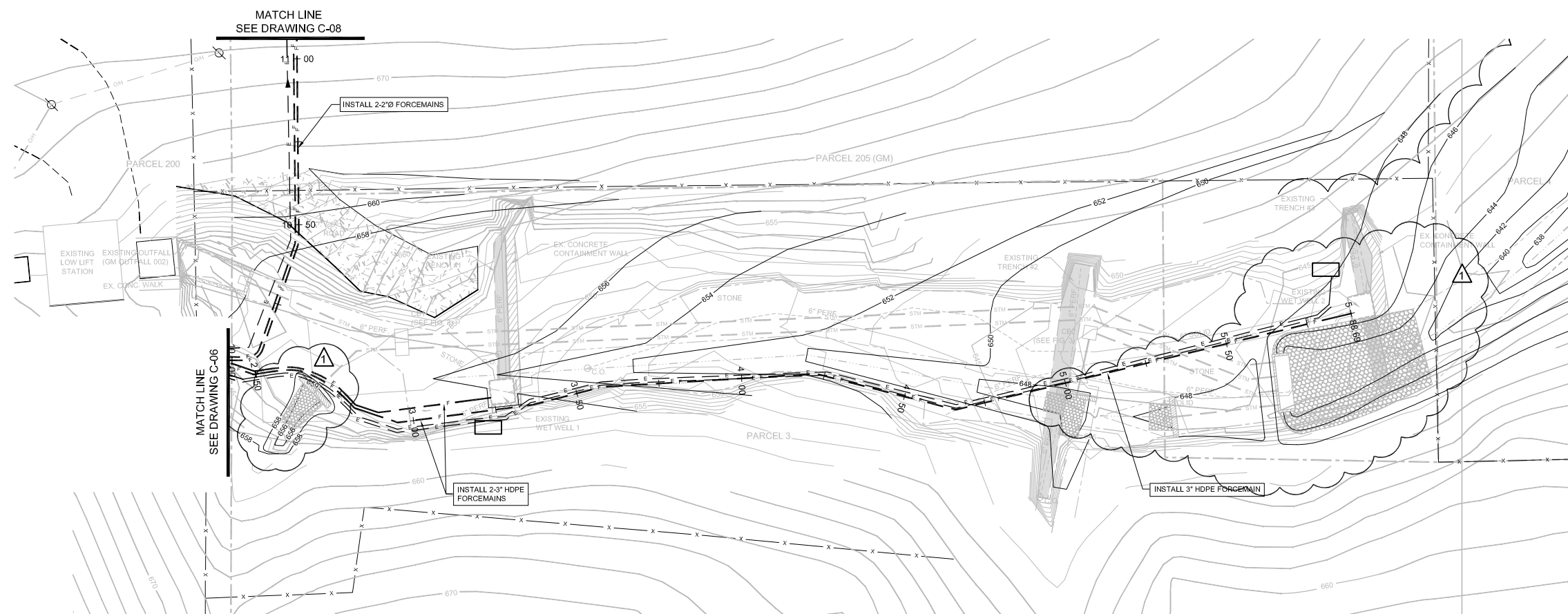
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
**PARCEL 200 - SITE WORKS/
FORCEMAIN PLAN AND PROFILE**

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

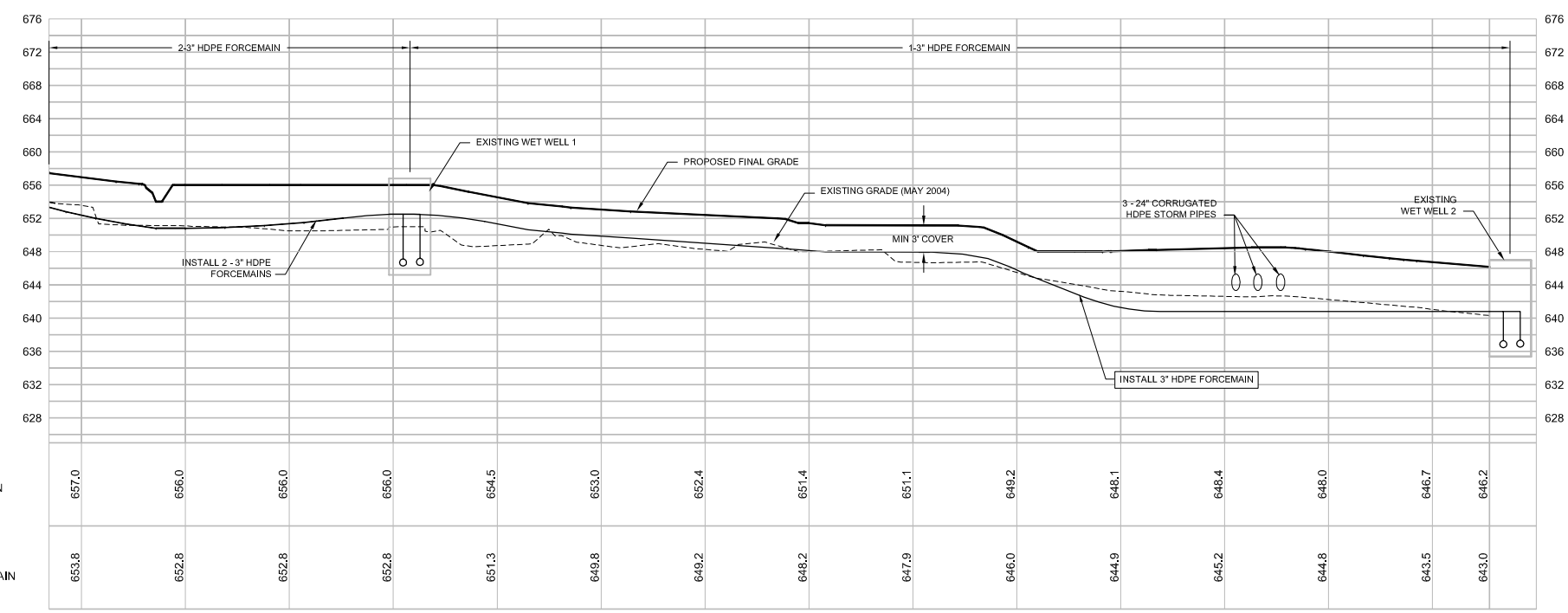
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 20'	Project NR: 13968-00	Report NR: 108 Drawing NR: C-06



NO	Revision	Date	Initial
1	POSITION OF NEW OUTFALL STRUCTURE AND NEW DRAINAGE INLETS REVISED.	AUG 20, 2004	AW
	PROPOSED CONTOURS REVISED IN AREAS SHOWN		

LEGEND

	EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
	APPROXIMATE PARCEL BOUNDARY
	ROADS / UNPAVED AREAS
	EXISTING 6" DIA. PERFORATED DRAIN PIPE
	EXISTING 6" DIA. SOLID WALL DRAIN PIPE
	EXISTING CLEANOUT
	LIMIT OF DRAINAGE STONE PREGRADE (MAY 2004)
	EXISTING WET WELL STRUCTURE
	EXISTING POWER POLE
	PROPOSED CONTOUR
	PROPOSED STORM SEWER
	PROPOSED SWALE / CHANNEL
	PROPOSED CATCHBASIN
	PROPOSED FORCEMAIN
	ELECTRICAL POWER LINE



FORCEMAIN PROFILE
 HOR. 1" = 20'
 VER. 1" = 10'

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

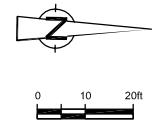
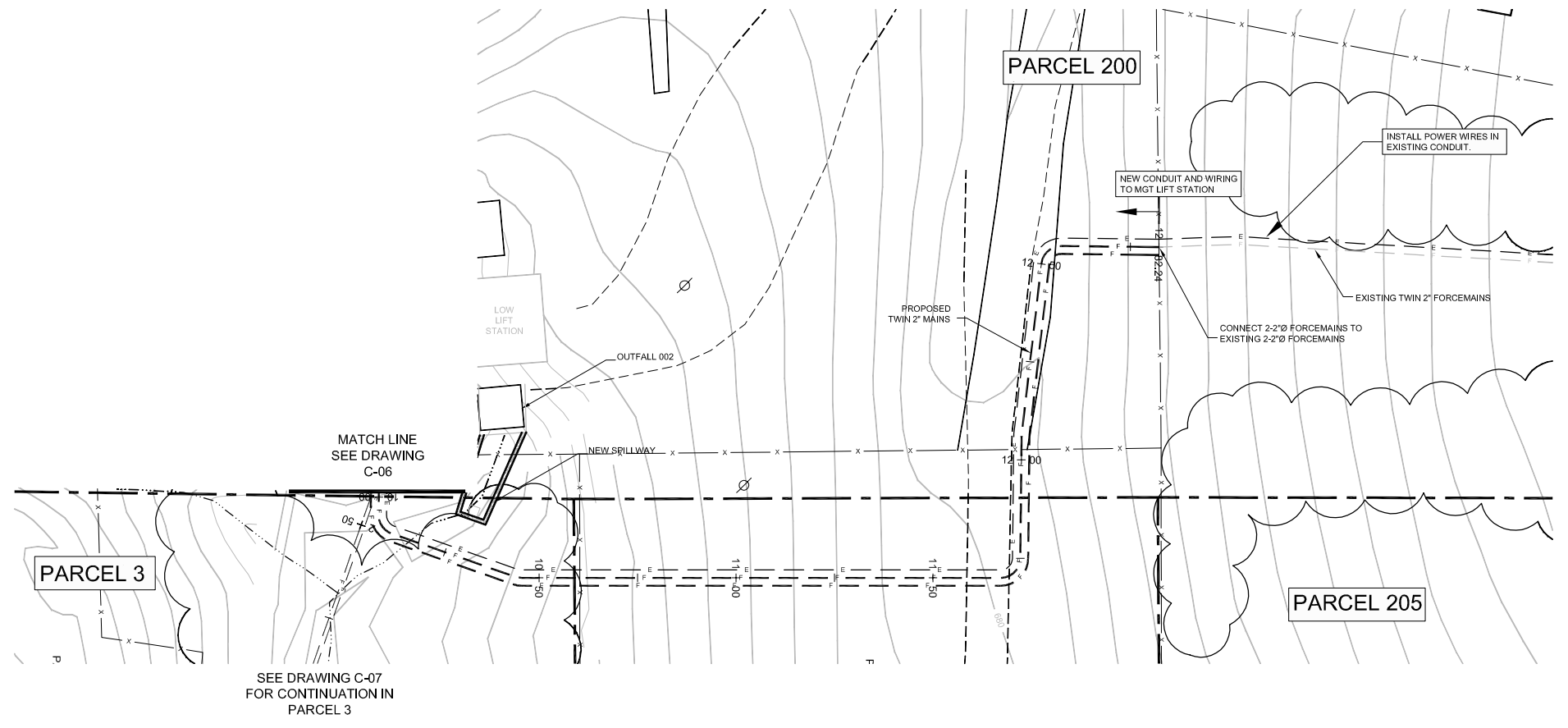
DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
 SITE SOURCE CONTROL PLAN**
 ADDENDUM NO. 2
 PARCEL 3 AND 205
 FORCEMAIN PLAN AND PROFILE

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEY, FLINT, MI APRIL 2001
 SUPPLEMENTARY FIELD SURVEY BY SEVENSON ENVIRONMENTAL (JUNE 2004)

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project NR: 13968-00	Report NR: 108 Drawing NR: C-07

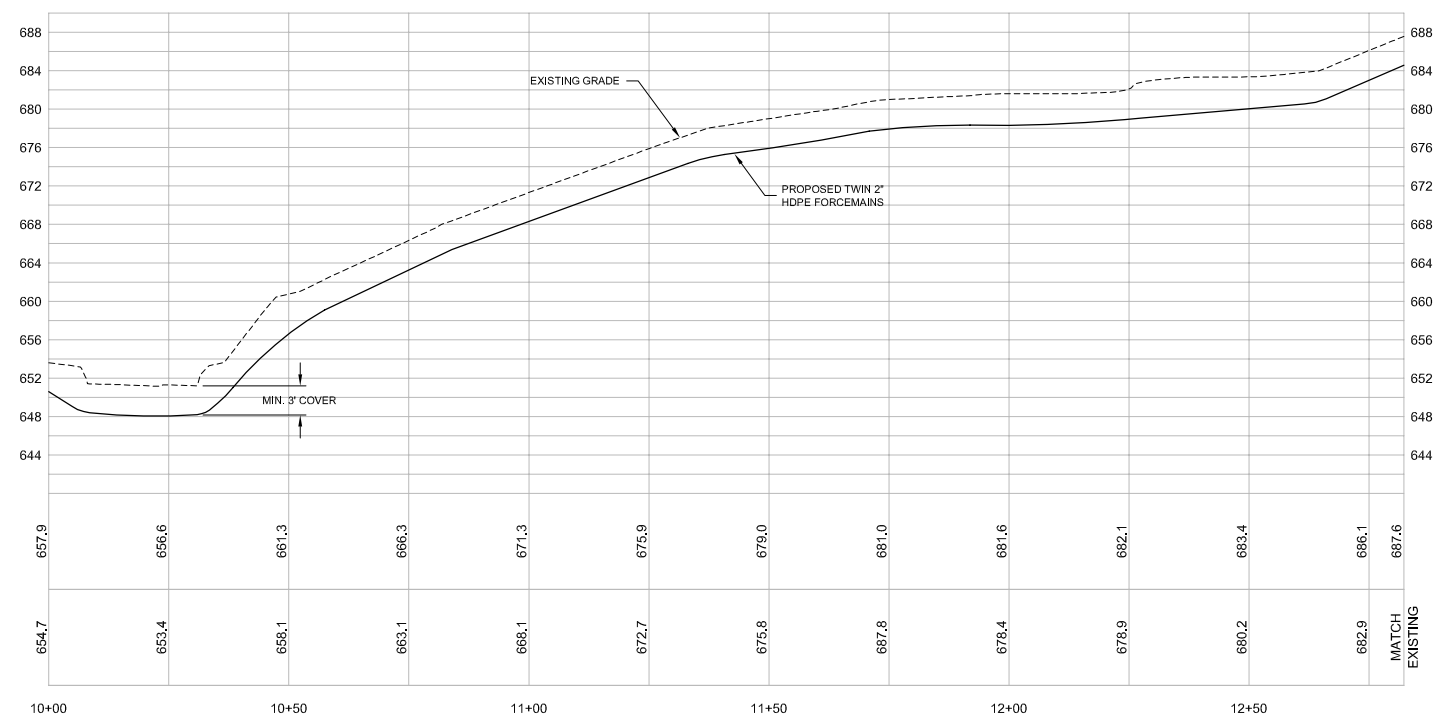


NO	Revision	Date	Initial

LEGEND

	EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
	APPROXIMATE PARCEL BOUNDARY
	ROADS / UNPAVED AREAS
	APPROXIMATE SURFACE WATER LOCATION
	EXISTING 6" DIA. PERFORATED DRAIN PIPE
	EXISTING 6" DIA. SOLID WALL DRAIN PIPE
	EXISTING CLEANOUT
	LIMIT OF EXISTING ROCK OUTCROP
	LIMIT OF DRAINAGE STONE PREGRADE (MAY 2004)
	EXISTING WET WELL STRUCTURE
	EXISTING POWER POLE
	PROPOSED CONTOUR
	PROPOSED STORM SEWER
	PROPOSED SWALE / CHANNEL
	PROPOSED CATCHBASIN
	PROPOSED FORCEMAIN
	ELECTRICAL POWER LINE

SEE DRAWING C-07 FOR CONTINUATION IN PARCEL 3



FORCEMAIN PROFILE
 HOR. 1" = 20'
 VER. 1" = 10'

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

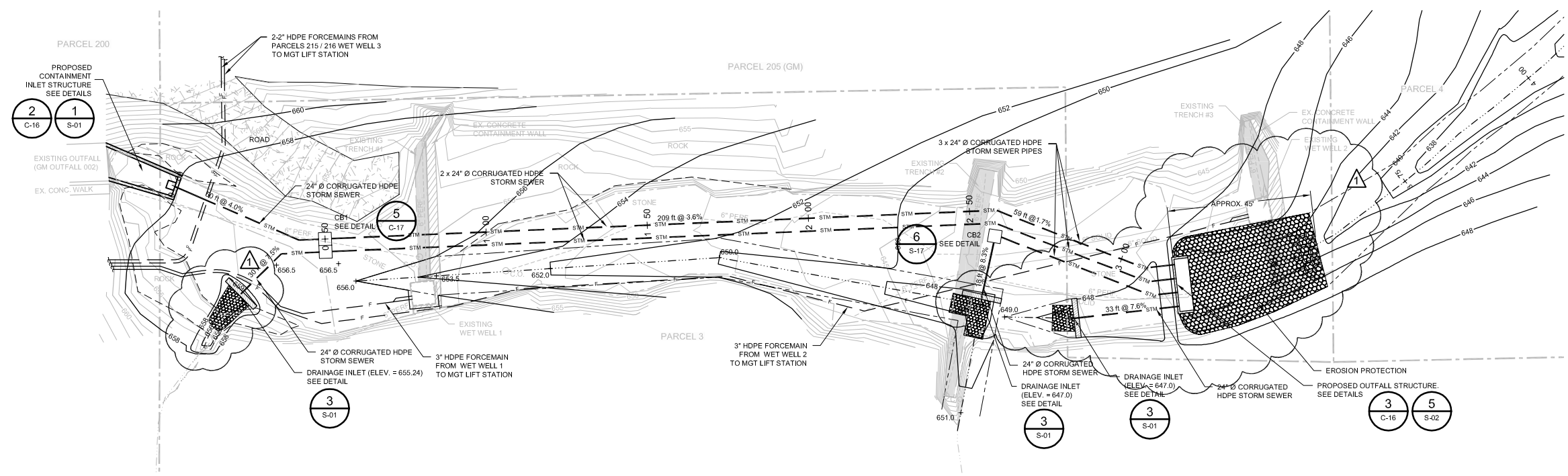
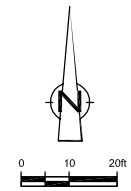
DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
 SITE SOURCE CONTROL PLAN**
 ADDENDUM NO. 2
**PARCELS 3, 200 AND 205
 FORCEMAIN PLAN AND PROFILE**

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 20'	Project NR: 13968-00	Report NR: 108 Drawing NR: C-08



NO	Revision	Date	Initial
1	POSITION OF NEW OUTFALL STRUCTURE AND NEW DRAINAGE INLETS REVISED.	AUG 20, 2004	AW
	PROPOSED CONTOURS REVISED IN AREAS SHOWN		
	STORM SEWER PROFILE AT THE OUTFALL REVISED AS SHOWN		

LEGEND

- EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
- APPROXIMATE PARCEL BOUNDARY
- ROADS / UNPAVED AREAS
- APPROXIMATE SURFACE WATER LOCATION
- EXISTING 6" DIA. PERFORATED DRAIN PIPE
- EXISTING 6" DIA. SOLID WALL DRAIN PIPE
- EXISTING CLEANOUT
- LIMIT OF EXISTING ROCK OUTCROP
- LIMIT OF DRAINAGE STONE PREGRADE (MAY 2004)
- EXISTING WET WELL STRUCTURE
- PROPOSED CONTOUR
- PROPOSED STORM SEWER
- PROPOSED FORCEMAIN
- PROPOSED SWALE / CHANNEL
- PROPOSED CATCHBASIN
- PROPOSED OUTFALL STRUCTURE

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

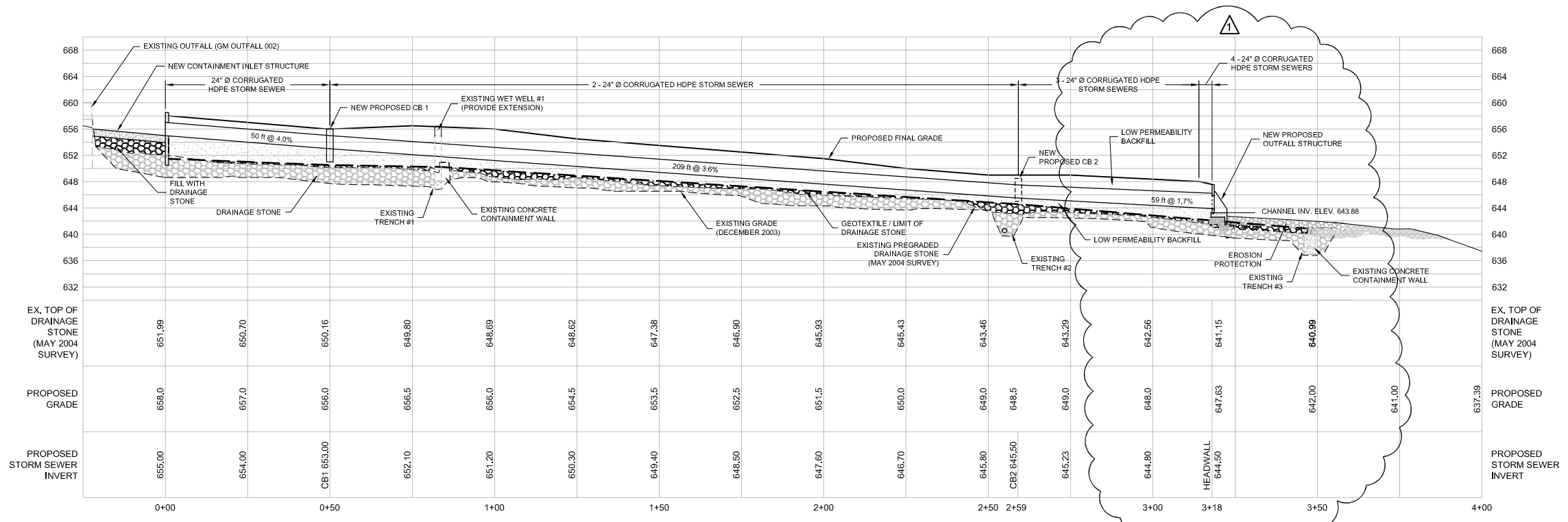
DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

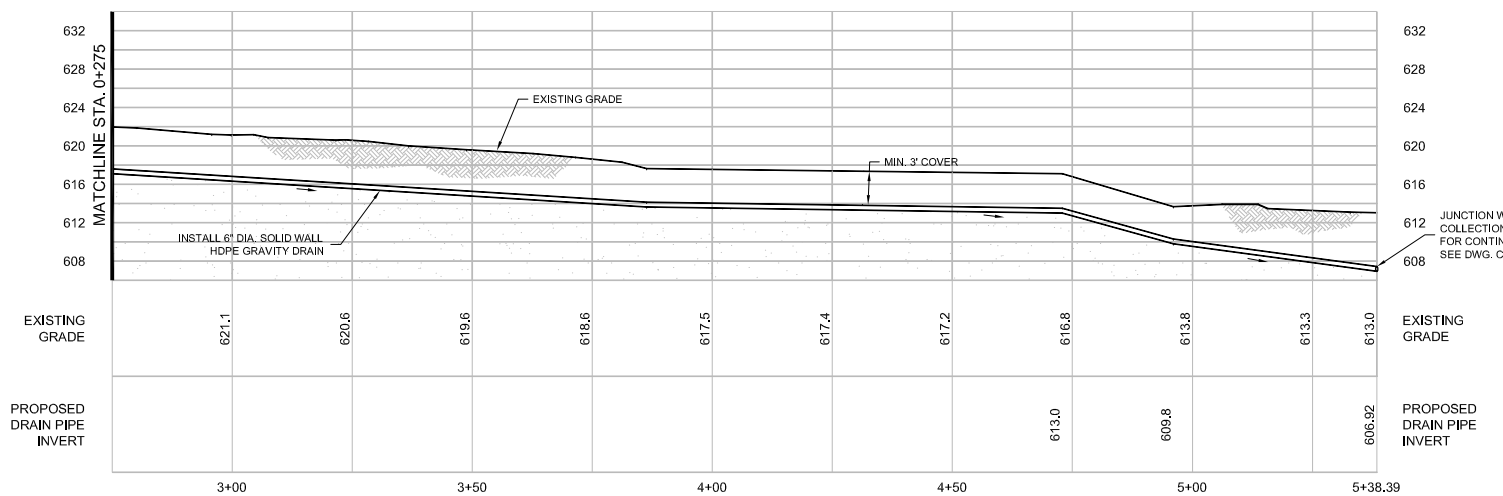
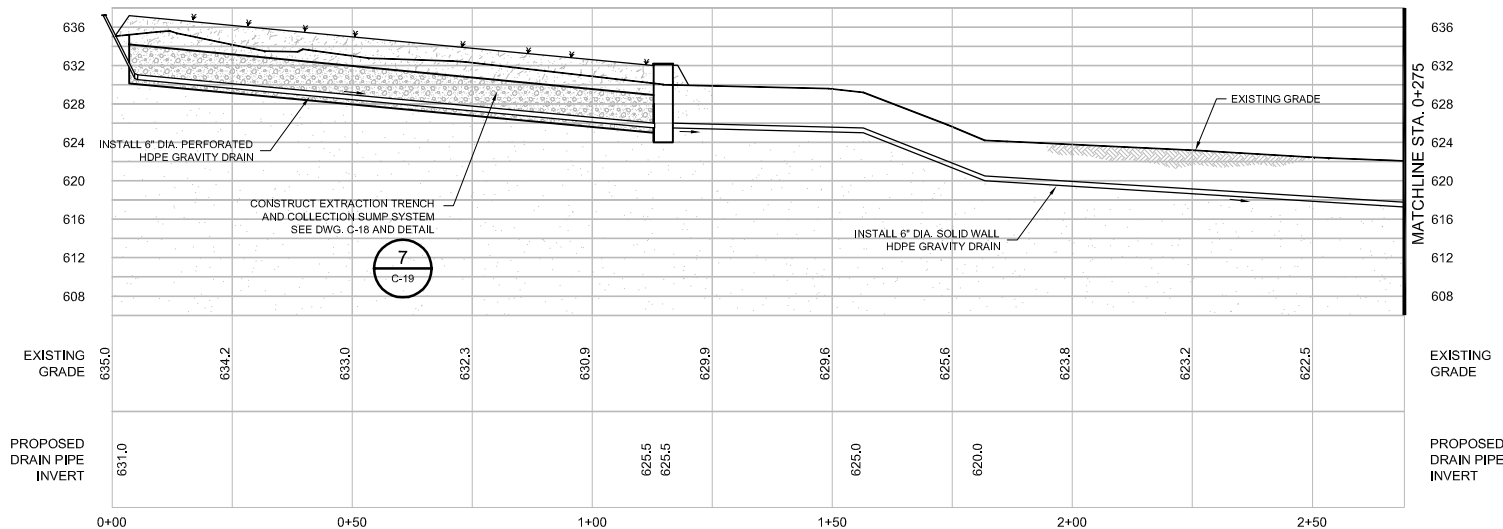
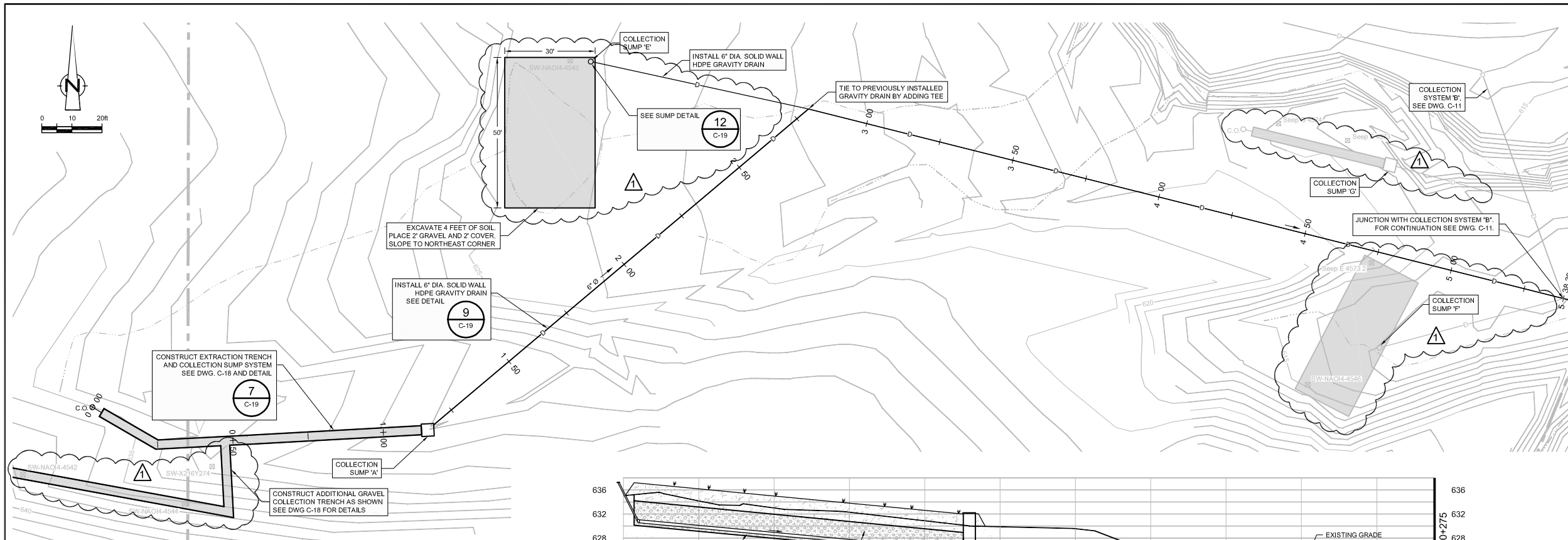
**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
**PARCELS 3 AND 205
STORM SEWER PLAN AND PROFILE**

Source Reference:
BASE BY SEVENSON ENVIRONMENTAL SURVEY MAY 13, 2004

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project NR: 13968-00	Report NR: 108 Drawing NR: C-09



STORM SEWER PROFILE
HOR. 1" = 20'
VER. 1" = 10'



NO	Revision	Date	Initial
1	ADDITIONAL SEEP COLLECTION AREAS	OCT 18, 2004	CRH

LEGEND

- APPROXIMATE SURFACE WATER LOCATION
- - - APPROXIMATE PROPERTY BOUNDARY
- - - APPROXIMATE GM PROPERTY BOUNDARY
- SEEP
- SPRING
- EXISTING STORM SEWER
- EXISTING STORM OUTFALL
- EXISTING FORCEMAIN TO TREATMENT FACILITY
- PROPOSED OVERBURDEN EXTRACTION TRENCH
- PROPOSED SPRING CONTAINING DNAPL SUMP STRUCTURE
- PROPOSED 48" DIA. CORRUGATED HDPE STORM SEWER
- PROPOSED GRAVITY UNDERDRAIN (HDPE PERFORATED PIPE)
- PROPOSED GRAVITY DRAIN (HDPE SOLID WALL PIPE)
- C.O.
- PROPOSED CLEANOUT

SCALE VERIFICATION
 THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

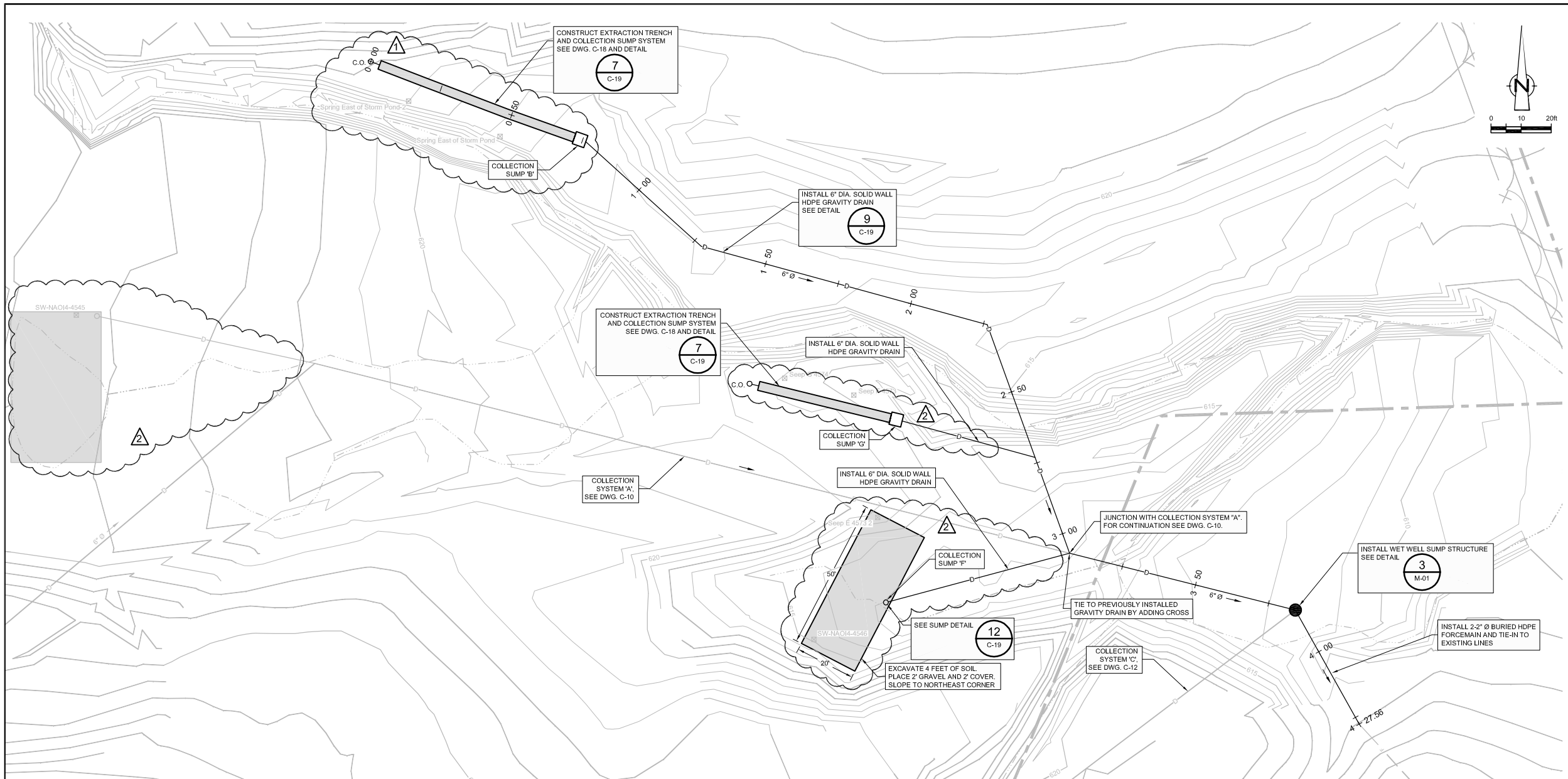
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
 SITE SOURCE CONTROL PLAN**
 ADDENDUM NO. 2
 AREA NORTH OF AO14
 COLLECTION SYSTEM A PLAN AND PROFILE

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
 BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI APRIL 2001
 SUPPLEMENTARY FIELD SURVEY BY SEVENSON ENVIRONMENTAL (JUNE 2004)

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 108
		Drawing N°: C-10



NO	Revision	Date	Initial
1	POSITION OF PROPOSED EXTRACTION TRENCH AND COLLECTION SYSTEM REVISED	AUG 20, 2004	AW
2	ADDITIONAL SEEP COLLECTION AREAS	OCT 18, 2004	CRH

LEGEND

- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- SEEP
- SPRING
- STM
- EXISTING STORM SEWER
- EXISTING STORM OUTFALL
- EXISTING FORCEMAIN TO TREATMENT FACILITY
- PROPOSED OVERBURDEN EXTRACTION TRENCH
- PROPOSED SPRING CONTAINING DNAPL SUMP STRUCTURE
- STM
- PROPOSED 48" DIA. CORRUGATED HDPE STORM SEWER
- PROPOSED GRAVITY UNDERDRAIN (HDPE PERFORATED PIPE)
- PROPOSED GRAVITY DRAIN (HDPE SOLID WALL PIPE)
- C.O.
- PROPOSED CLEANOUT

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

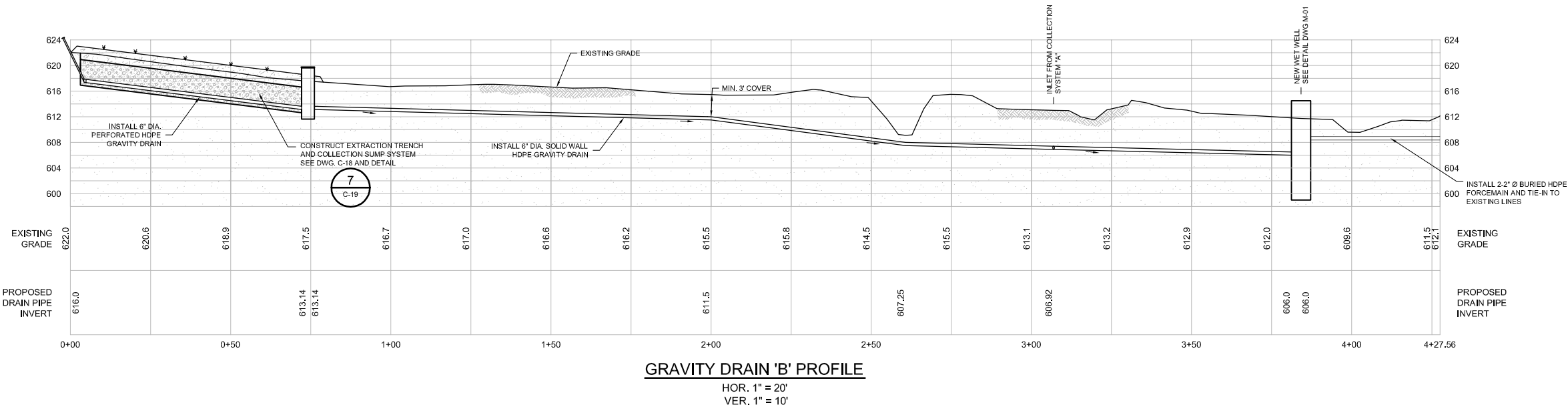
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
AREA NORTH OF AO14
COLLECTION SYSTEM B PLAN AND PROFILE

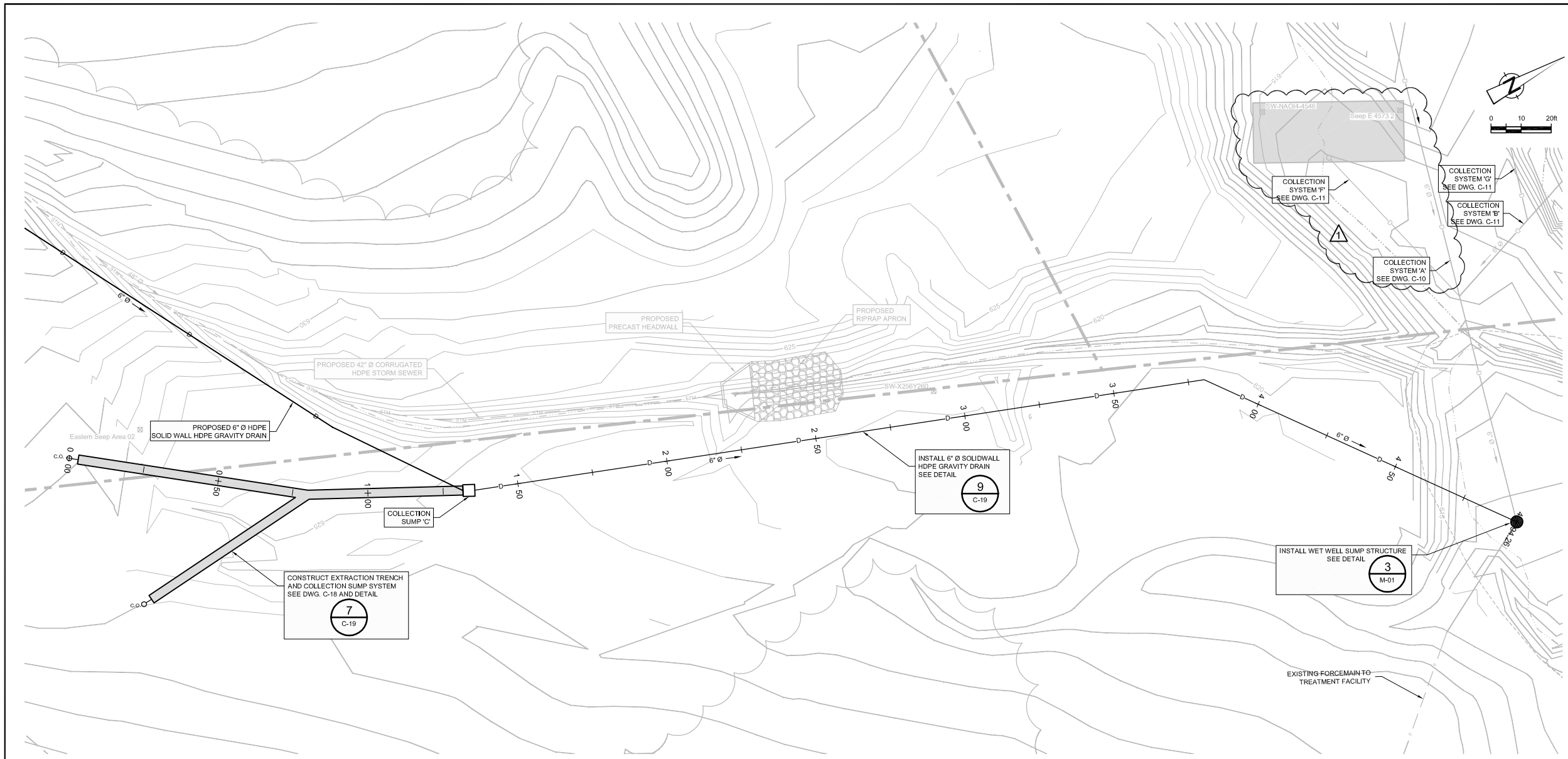
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI APRIL 2001
SUPPLEMENTARY FIELD SURVEY BY SEVENSON ENVIRONMENTAL (JUNE 2004)

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 108
		Drawing N°: C-11



GRAVITY DRAIN 'B' PROFILE
HOR. 1" = 20'
VER. 1" = 10'



NO	Revision	Date	Initial
1	ADDITIONAL SEEP COLLECTION AREAS	OCT 18, 2004	CRH

LEGEND

- APPROXIMATE SURFACE WATER LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GM PROPERTY BOUNDARY
- SEEP
- SPRING
- STM
- EXISTING STORM SEWER
- EXISTING STORM OUTFALL
- F
- EXISTING FORCEMAIN TO TREATMENT FACILITY
- ▭ PROPOSED OVERBURDEN EXTRACTION TRENCH
- ▭ PROPOSED SPRING CONTAINING DNAPL SUMP STRUCTURE
- 48"
- PROPOSED 48" DIA. CORRUGATED HDPE STORM SEWER
- PROPOSED GRAVITY UNDERDRAIN (HDPE PERFORATED PIPE)
- PROPOSED GRAVITY DRAIN (HDPE SOLID WALL PIPE)
- C.O.
- PROPOSED CLEANOUT

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

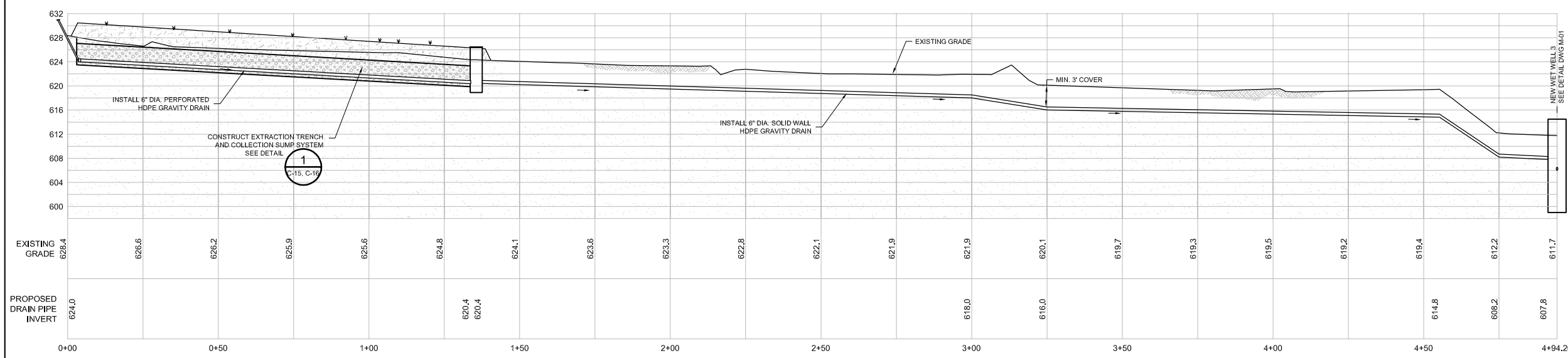
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN
ADDENDUM NO. 2
AREA NORTH OF AO14
COLLECTION SYSTEM C PLAN AND PROFILE**

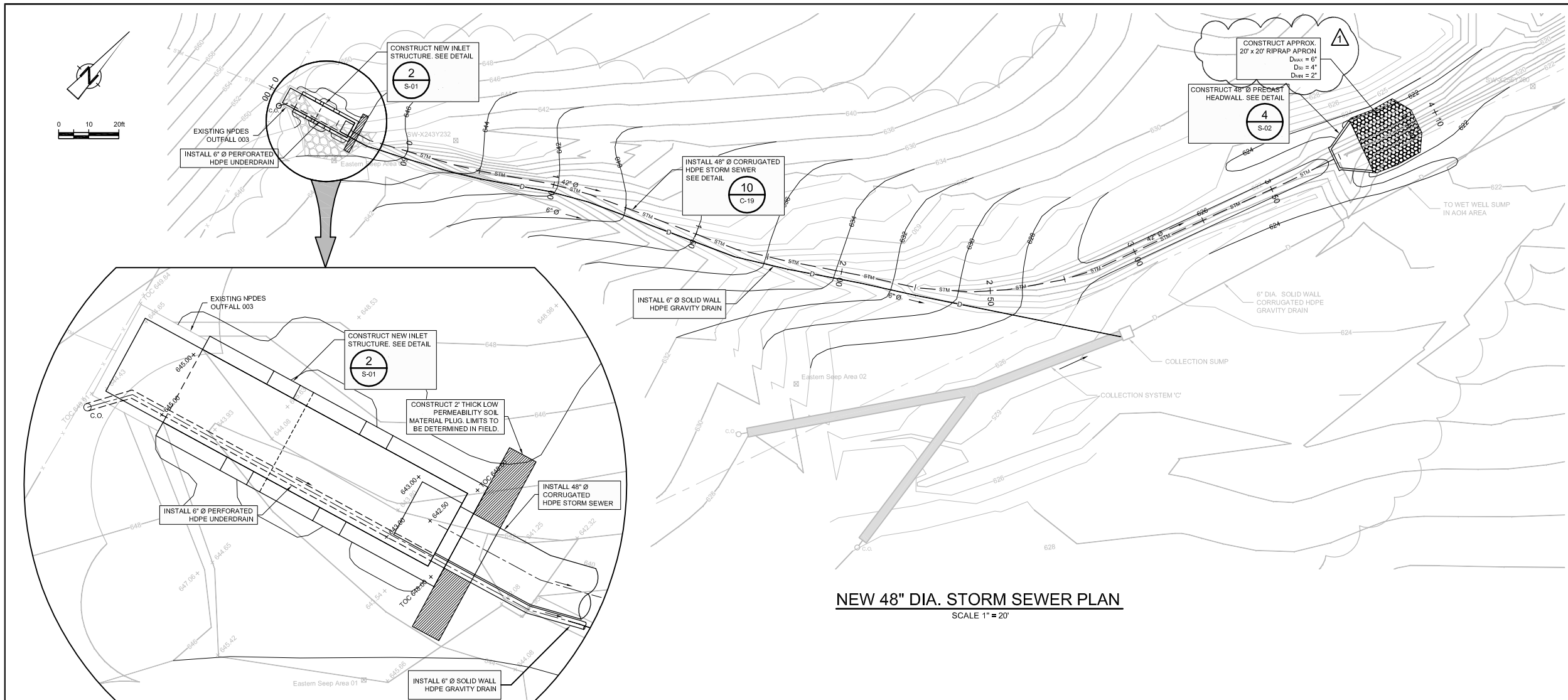


Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI APRIL 2001
SUPPLEMENTARY FIELD SURVEY BY SEVENSON ENVIRONMENTAL (JUNE 2004)

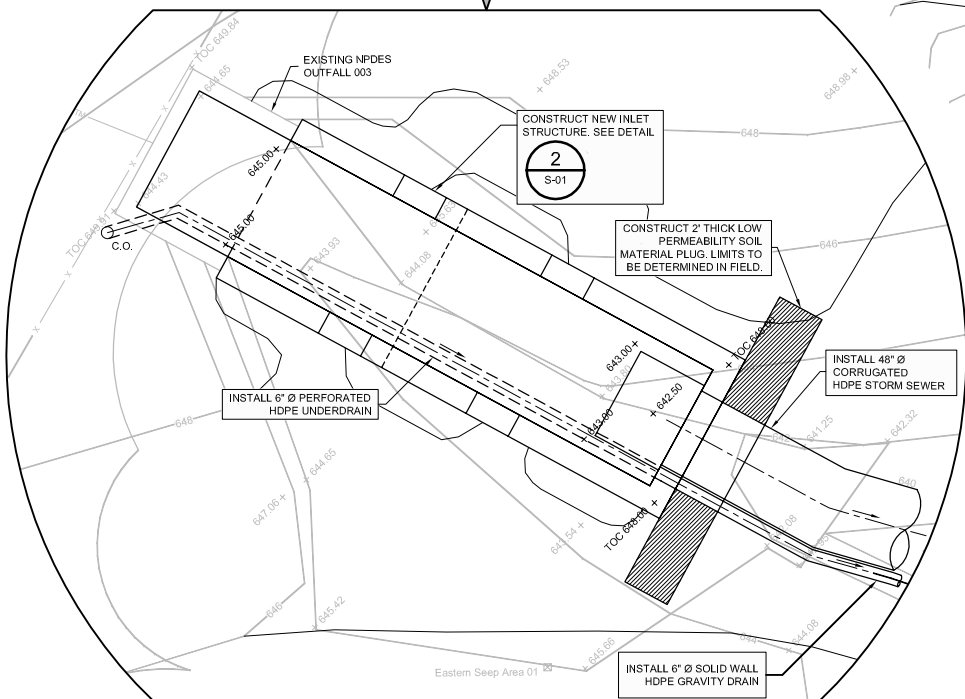
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 20'	Project N°: 13968-00	Report N°: 108
		Drawing N°: C-12



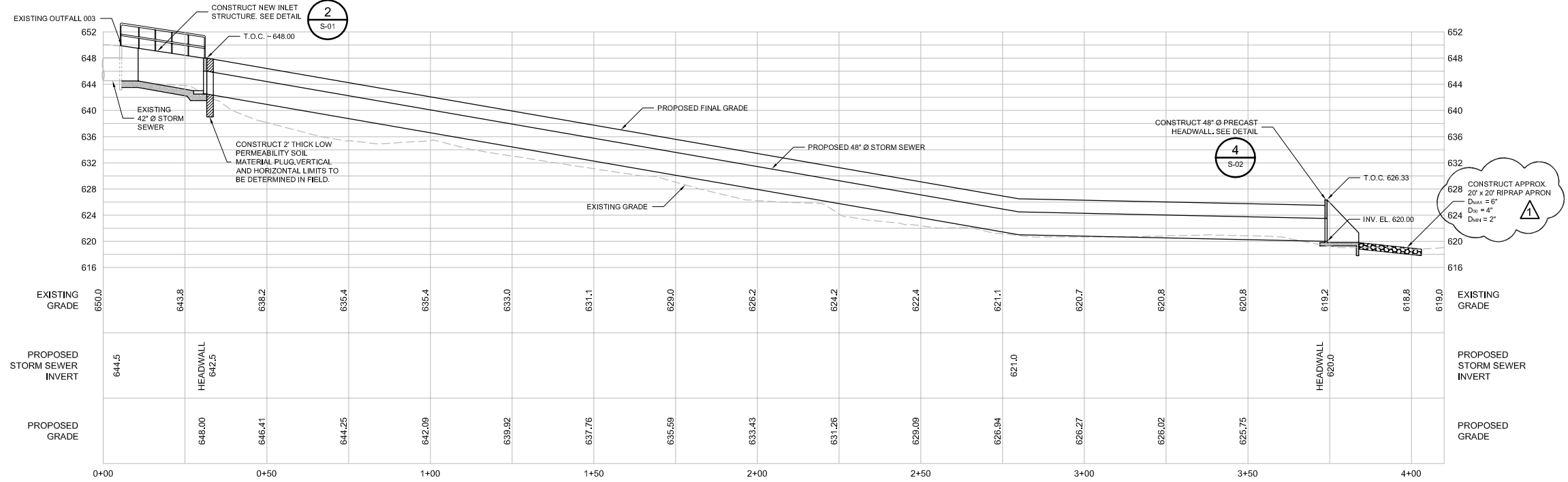
GRAVITY DRAIN 'C' PROFILE
HOR. 1" = 20'
VER. 1" = 10'



NEW 48" DIA. STORM SEWER PLAN
SCALE 1" = 20'



SCALE 1" = 4'



48" DIA. STORM SEWER PROFILE
HOR. 1" = 20'
VER. 1" = 10'

NO	Revision	Date	Initial
1	RIPRAP APRON TEXT BOX REVISED TO SHOW STONE	AUG 20, 2004	AW
	GRADATION ON SEWER PLAN AND SEWER PROFILE		

LEGEND

	APPROX. SURFACE WATER LOCATION
	APPROX. PROPERTY BOUNDARY
	EXISTING VEGETATION
	SEEP/SPRING SAMPLE LOCATION
	PROPOSED OVERBURDEN EXTRACTION TRENCH
	PROPOSED DNAPL SUMP STRUCTURE (SEE DETAIL DWG. C-04)
	PROPOSED 42" DIA. HDPE STORM SEWER
	PROPOSED UNDERDRAIN (HDPE PERFORATED PIPE)
	PROPOSED GRAVITY DRAIN (HDPE SOLID WALL PIPE)
	PROPOSED CLEANOUT

NOTE:

- ALL FINAL GRAVITY DRAIN PIPE INVERT ELEVATIONS AND EXTRACTION TRENCH / DNAPL SUMP CONFIGURATION WILL BE DETERMINED IN FIELD.
- HORIZONTAL AND VERTICAL ALIGNMENTS FOR COLLECTION SYSTEM (DRAIN PIPES, EXTRACTION TRENCH, AND DNAPL SUMP) AS SHOWN ARE FOR ORIENTATIONAL PURPOSES ONLY.

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

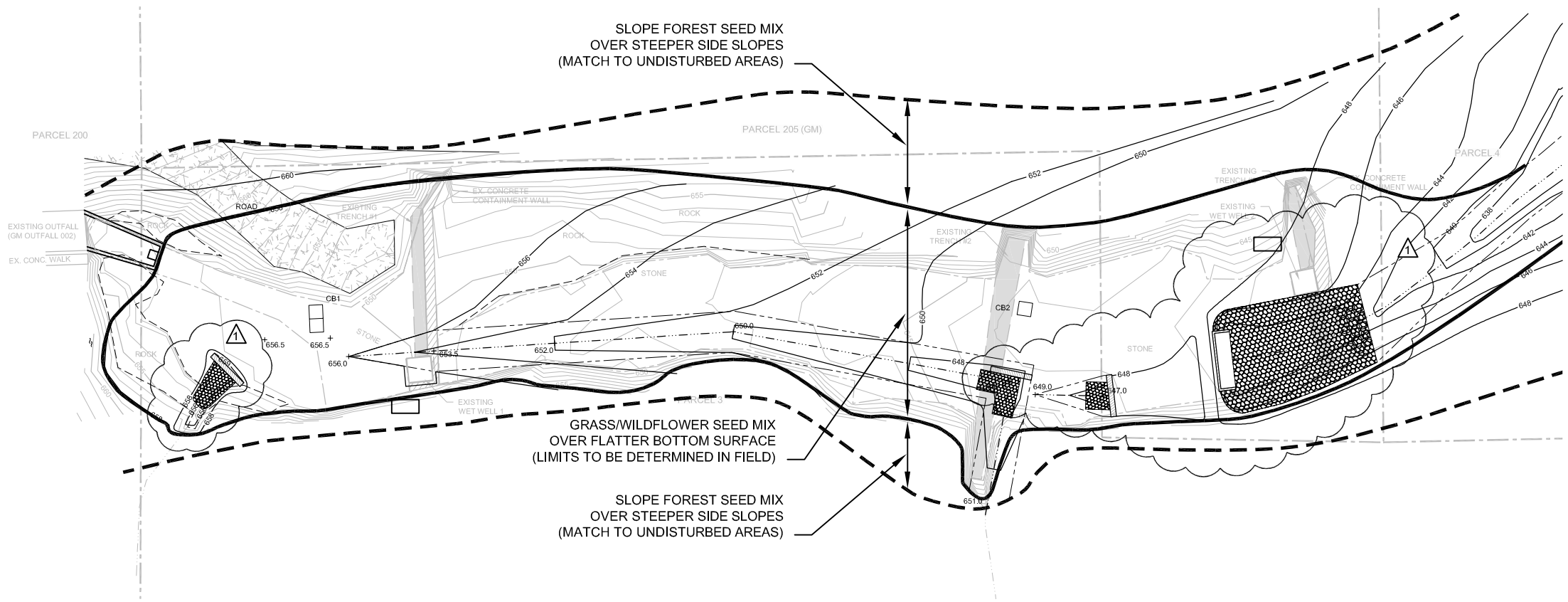
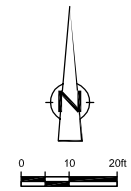
**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
**AREA NORTH OF AO14
STORM SEWER PLAN AND PROFILE**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project N°: 13968-00	Report N°: 108 Drawing N°: C-13

NR	Revision	Date	Initial
1	POSITION OF NEW OUTFALL STRUCTURE AND NEW DRAINAGE INLETS REVISED.	AUG 20, 2004	AW
	PROPOSED CONTOURS REVISED IN AREAS SHOWN		



LEGEND

	EXISTING GROUND SURFACE ELEVATION CONTOURS (feet AMSL)
	APPROXIMATE PARCEL BOUNDARY
	ROADS / UNPAVED AREAS
	APPROXIMATE SURFACE WATER LOCATION
	LIMIT OF EXISTING ROCK OUTCROP
	LIMIT OF DRAINAGE STONE PREGRADE (MAY 2004)
	EXISTING WET WELL STRUCTURE
	PROPOSED CONTOUR
	PROPOSED SWALE / CHANNEL
	PROPOSED CATCHBASIN

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**

ADDENDUM NO. 2

**PARCEL 3 AND 205
GRADING PLAN**

Source Reference:
BASE BY SEVENSON ENVIRONMENTAL SURVEY MAY 13, 2004

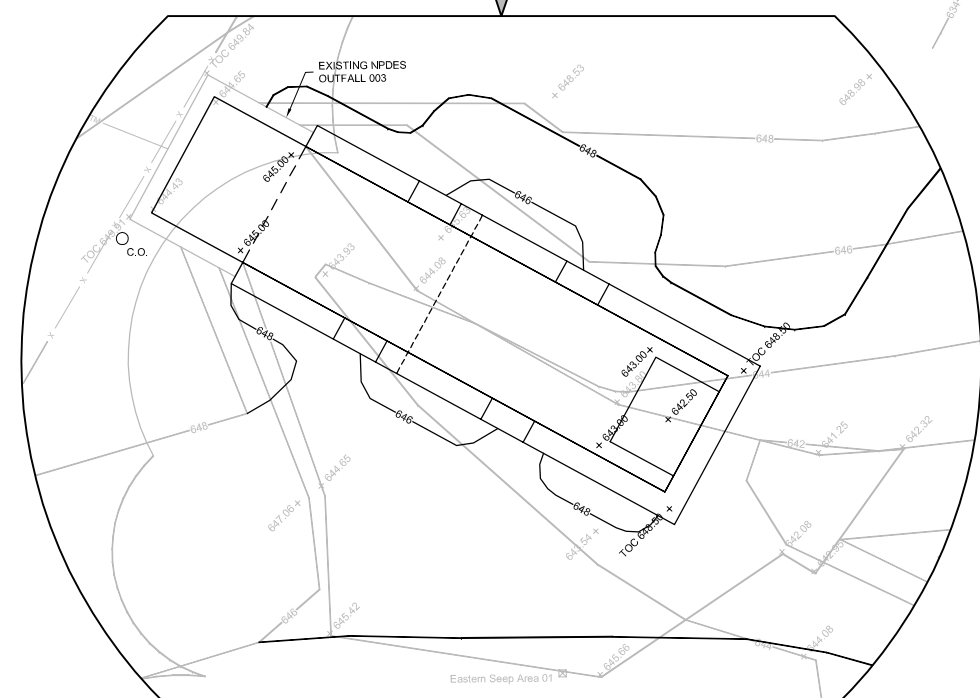
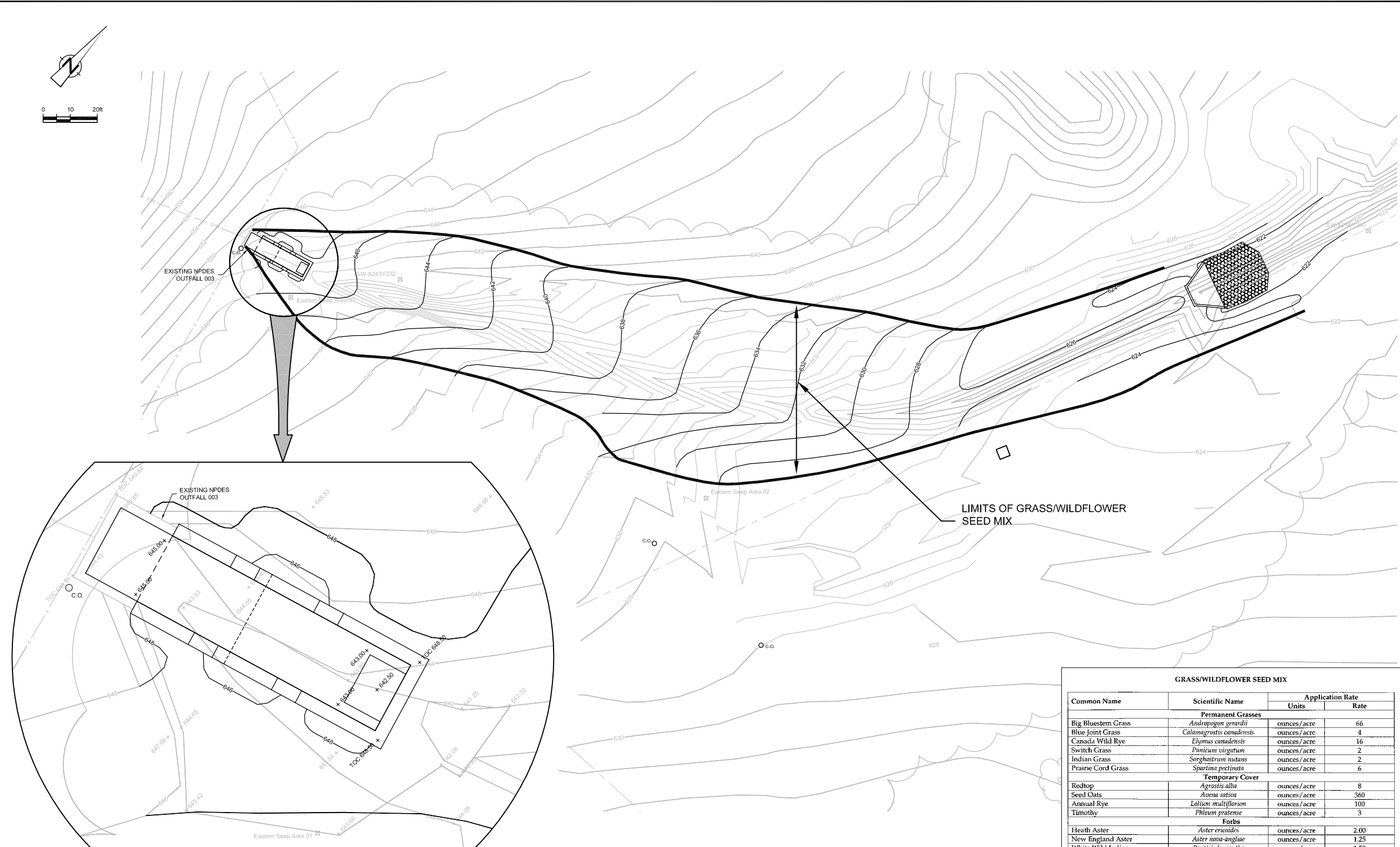
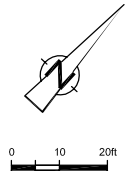
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1" = 20'	Project NR: 13968-00	Report NR: 108
		Drawing NR: C-14

GRASS/WILDFLOWER SEED MIX

Common Name	Scientific Name	Application Rate	
		Units	Rate
Permanent Grasses			
Big Bluestem Grass	<i>Andropogon gerardii</i>	ounces/acre	66
Blue Joint Grass	<i>Calamagrostis canadensis</i>	ounces/acre	4
Canada Wild Rye	<i>Elymus canadensis</i>	ounces/acre	16
Switch Grass	<i>Panicum virgatum</i>	ounces/acre	2
Indian Grass	<i>Sorghastrum nutans</i>	ounces/acre	2
Prairie Cord Grass	<i>Spartina pectinata</i>	ounces/acre	6
Temporary Cover			
Redtop	<i>Agrostis alba</i>	ounces/acre	8
Seed Oats	<i>Avena sativa</i>	ounces/acre	360
Annual Rye	<i>Lolium multiflorum</i>	ounces/acre	100
Timothy	<i>Phleum pratense</i>	ounces/acre	3
Forbs			
Heath Aster	<i>Aster ericoides</i>	ounces/acre	2.00
New England Aster	<i>Aster nova-angliae</i>	ounces/acre	1.25
White Wild Indigo	<i>Baptisia leucantha</i>	ounces/acre	1.50
Partridge Pea	<i>Cassia fasciculata</i>	ounces/acre	3.50
Tall Coreopsis	<i>Coreopsis tripteris</i>	ounces/acre	1.25
Illinois Tick Trefoil	<i>Desmodium illinoense</i>	ounces/acre	1.00
Rattlesnake Master	<i>Eryngium yuccifolium</i>	ounces/acre	3.00
Bottle Geranium	<i>Gentiana andrewsii</i>	ounces/acre	1.00
Snowweed	<i>Helianthus autumnalis</i>	ounces/acre	1.25
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	ounces/acre	2.00
Round-Headed Bush Clover	<i>Lespedeza capitata</i>	ounces/acre	3.00
Marsh Blazing Star	<i>Liatris spicata</i>	ounces/acre	4.00
Prairie Bergamot	<i>Monarda fistulosa</i>	ounces/acre	0.75
Wild Quinine	<i>Parthenium integrifolium</i>	ounces/acre	2.50
Obedient Plant	<i>Physotegia virginiana</i>	ounces/acre	1.00
Common Mountain Mint	<i>Pycnanthemum virginianum</i>	ounces/acre	0.50
Yellow Coneflower	<i>Ratibida pinnata</i>	ounces/acre	3.50
Black-Eyed Susan	<i>Rudbeckia hirta</i>	ounces/acre	1.50
Wild Golden Glow	<i>Rudbeckia laciniata</i>	ounces/acre	2.00
Sweet Black-Eyed Susan	<i>Rudbeckia subtomentosa</i>	ounces/acre	1.25
Rosin Weed	<i>Silphium integrifolium</i>	ounces/acre	2.00
Compass Plant	<i>Silphium laciniatum</i>	ounces/acre	3.00
Cup Plant	<i>Silphium perfoliatum</i>	ounces/acre	3.00
Prairie Dock	<i>Silphium terebinthaceum</i>	ounces/acre	2.00
Early Goldenrod	<i>Solidago juncea</i>	ounces/acre	2.00
Stiff Goldenrod	<i>Solidago rigida</i>	ounces/acre	2.00
Rough Goldenrod	<i>Solidago rugosa</i>	ounces/acre	2.50
Common Spiderwort	<i>Tradescantia ohioensis</i>	ounces/acre	1.25
Hairy Tall Ironweed	<i>Veronia altissima tenuitricha</i>	ounces/acre	3.00
Culver's Root	<i>Veronicastrum virginicum</i>	ounces/acre	1.00
Golden Alexanders	<i>Zizia aurea</i>	ounces/acre	0.50

SLOPE FOREST SEED MIX

Common Name	Scientific Name	Application Rate	
		Units	Rate
Permanent Grasses and Sedges			
Big Bluestem Grass	<i>Andropogon gerardii</i>	ounces/acre	20
Little Bluestem Grass	<i>Andropogon scoparius</i>	ounces/acre	32
Side-Oats Gramma	<i>Bouteloua curtipendula</i>	ounces/acre	3
Canada Wild Rye	<i>Elymus Canadensis</i>	ounces/acre	5
Switch Grass	<i>Panicum virgatum</i>	ounces/acre	12
Indian Grass	<i>Sorghastrum nutans</i>	ounces/acre	24
Temporary Cover			
Redtop	<i>Agrostis alba</i>	pounds/acre	16
Seed Oats	<i>Avena sativa</i>	pounds/acre	512
Annual Rye	<i>Lolium multiflorum</i>	pounds/acre	160
Timothy	<i>Phleum pratense</i>	pounds/acre	64



SCALE 1" = 4'

NO.	Revision	Date	Initial

LEGEND

	APPROX. SURFACE WATER LOCATION
	APPROX. PROPERTY BOUNDARY
	EXISTING VEGETATION
	SEEP/SPRING SAMPLE LOCATION
	PROPOSED COLLECTION SUMP STRUCTURE
	PROPOSED CLEANOUT

- NOTE:**
- ALL FINAL GRAVITY DRAIN PIPE INVERT ELEVATIONS AND EXTRACTION TRENCH / COLLECTION SUMP CONFIGURATION WILL BE DETERMINED IN FIELD.
 - HORIZONTAL AND VERTICAL ALIGNMENTS FOR COLLECTION SYSTEM (DRAIN PIPES, EXTRACTION TRENCH, AND COLLECTION SUMP) AS SHOWN ARE FOR ORIENTATIONAL PURPOSES ONLY.

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

--	--	--

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

GRASS/WILDFLOWER SEED MIX

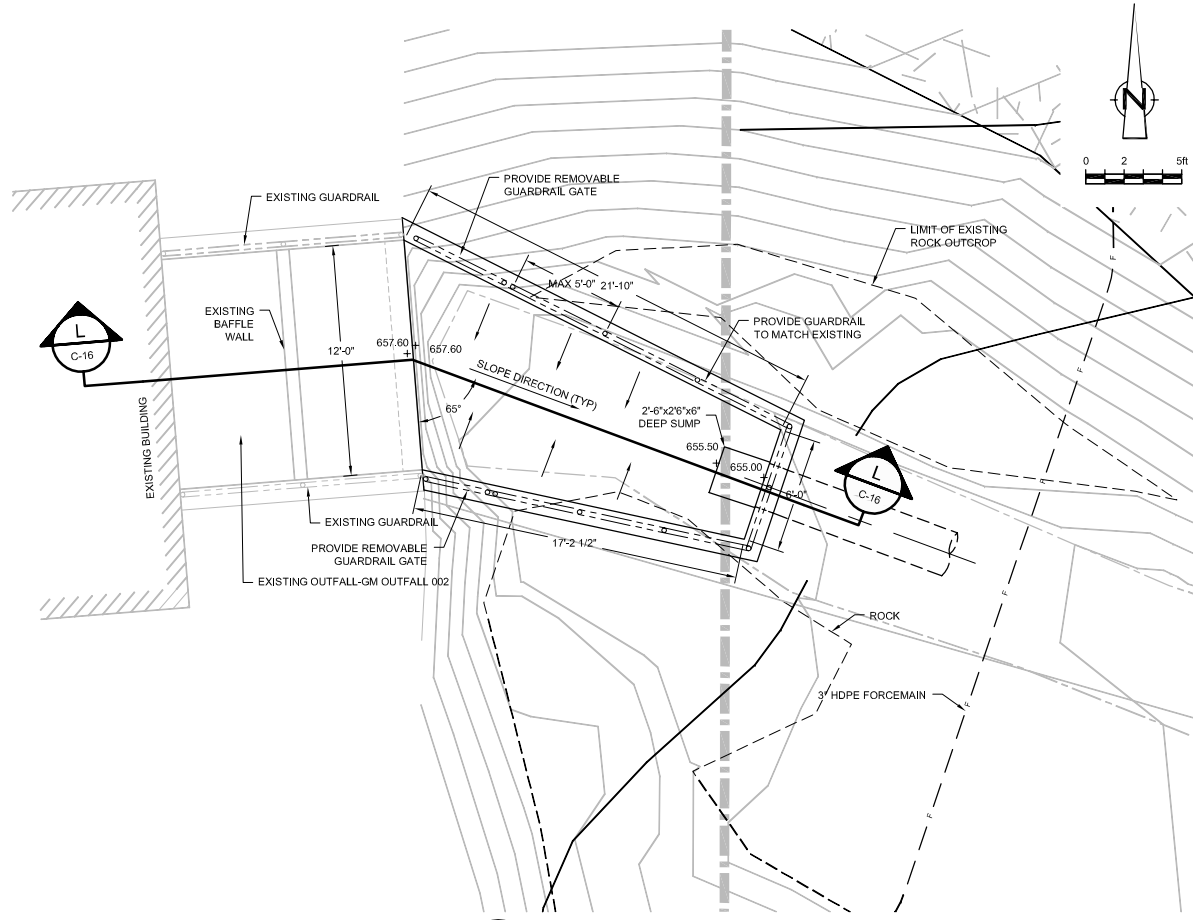
Common Name	Scientific Name	Application Rate	
		Units	Rate
Permanent Grasses			
Big Bluestem Grass	<i>Andropogon gerardii</i>	ounces / acre	66
Blue Joint Grass	<i>Calamagrostis canadensis</i>	ounces / acre	4
Canada Wild Rye	<i>Elymus canadensis</i>	ounces / acre	16
Switch Grass	<i>Panicum virgatum</i>	ounces / acre	2
Indian Grass	<i>Sorghastrum nutans</i>	ounces / acre	2
Prairie Cord Grass	<i>Spartina pectinata</i>	ounces / acre	6
Temporary Cover			
Redtop	<i>Agrostis alba</i>	ounces / acre	8
Seed Oats	<i>Avena sativa</i>	ounces / acre	360
Annual Rye	<i>Lolium multiflorum</i>	ounces / acre	100
Timothy	<i>Phleum pratense</i>	ounces / acre	3
Forbs			
Heath Aster	<i>Aster ericoides</i>	ounces / acre	2.00
New England Aster	<i>Aster nova-angliae</i>	ounces / acre	1.25
White Wild Indigo	<i>Baptisia leucantha</i>	ounces / acre	1.50
Partridge Pea	<i>Cassia fasciculata</i>	ounces / acre	3.50
Tall Coreopsis	<i>Coreopsis tripteris</i>	ounces / acre	1.25
Illinois Tick Trefoil	<i>Desmodium illinoense</i>	ounces / acre	1.00
Rattlesnake Master	<i>Eryngium yuccifolium</i>	ounces / acre	3.00
Bottle Gentian	<i>Gentiana andrewsii</i>	ounces / acre	1.00
Sneezeweed	<i>Helianthus autumnale</i>	ounces / acre	1.25
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	ounces / acre	2.00
Round-Headed Bush Clover	<i>Lespedeza capitata</i>	ounces / acre	3.00
Marsh Blazing Star	<i>Liatris spicata</i>	ounces / acre	4.00
Prairie Bergamot	<i>Monarda fistulosa</i>	ounces / acre	0.75
Wild Quinine	<i>Parthenium integrifolium</i>	ounces / acre	2.50
Obedient Plant	<i>Physotegia virginiana</i>	ounces / acre	1.00
Common Mountain Mint	<i>Pycnanthemum virginianum</i>	ounces / acre	0.50
Yellow Coneflower	<i>Ratibida pinnata</i>	ounces / acre	3.50
Black-Eyed Susan	<i>Rudbeckia hirta</i>	ounces / acre	1.50
Wild Golden Glow	<i>Rudbeckia laciniata</i>	ounces / acre	2.00
Sweet Black-Eyed Susan	<i>Rudbeckia subtomentosa</i>	ounces / acre	1.25
Rosin Weed	<i>Silphium integrifolium</i>	ounces / acre	2.00
Compass Plant	<i>Silphium laciniatum</i>	ounces / acre	3.00
Cup Plant	<i>Silphium perfoliatum</i>	ounces / acre	3.00
Prairie Dock	<i>Silphium terebinthinaceum</i>	ounces / acre	2.00
Early Goldenrod	<i>Solidago juncea</i>	ounces / acre	2.00
Stiff Goldenrod	<i>Solidago rigida</i>	ounces / acre	2.00
Rough Goldenrod	<i>Solidago rugosa</i>	ounces / acre	2.50
Common Spatterwort	<i>Tradescantia ohioensis</i>	ounces / acre	1.25
Hairy Tall Ironweed	<i>Veronia altissima laetiflora</i>	ounces / acre	3.00
Culver's Root	<i>Veronicastrum virginicum</i>	ounces / acre	1.00
Golden Alexanders	<i>Zizia aurea</i>	ounces / acre	0.50

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN
ADDENDUM NO. 2
AREA NORTH OF AOI4
GRADING PLAN**

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

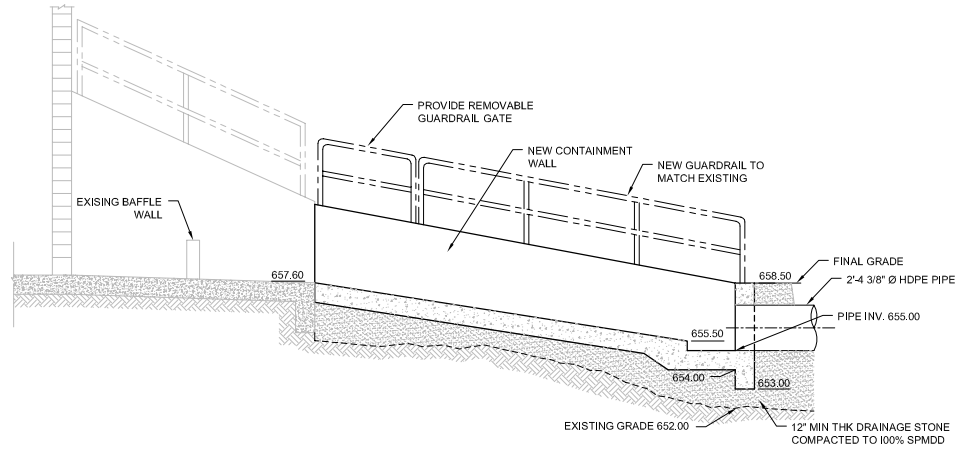
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project No.: 13968-00	Report No.: 108
		Drawing No.: C-15



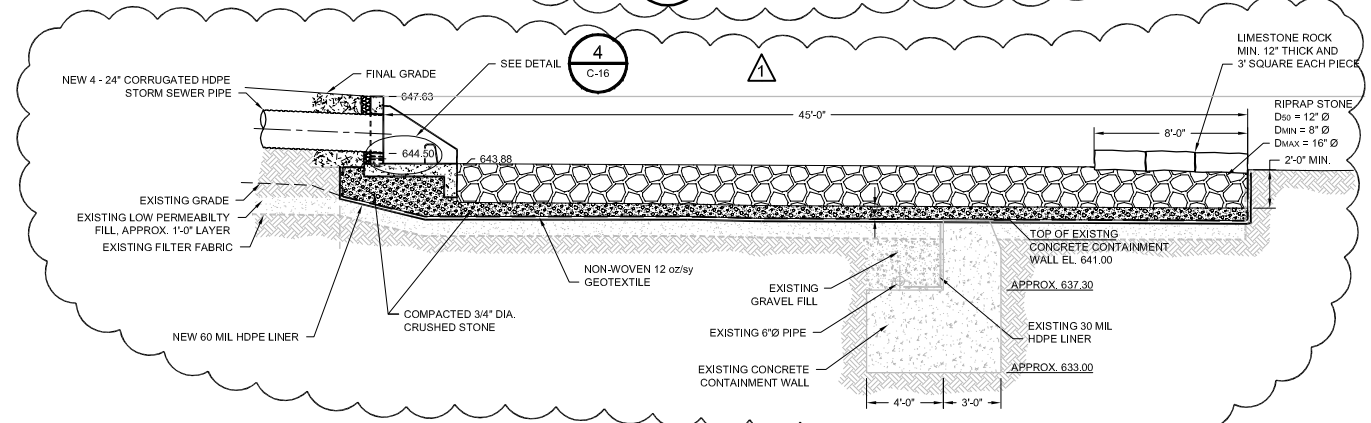
DETAIL 2 INLET STRUCTURE PLAN
1" = 5"
C-04, C-09



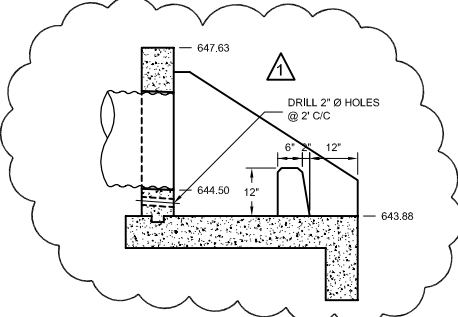
DETAIL 3 OUTFALL STRUCTURE PLAN
1" = 5"
C-04, C-09



SECTION L
1" = 5"
C-16



SECTION M
1" = 5"
C-16



DETAIL 4
1" = 2"
C-16

NO	Revision	Date	Initial
1	DETAIL 3 - POSITION OF NEW OUTFALL STRUCTURE REVISED, PROPOSED CONTOURS REVISED, AND PROPOSED INVERT ELEVATION REVISED	AUG 20, 2004	AW
	SECTION M - POSITION OF NEW OUTFALL STRUCTURE REVISED, INVERT ELEVATION REVISED, RIPRAP STONE GRADATION ADDED AND LIMESTONE ROCK POSITION REVISED		
	DETAIL 4, INVERT ELEVATIONS REVISED		

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

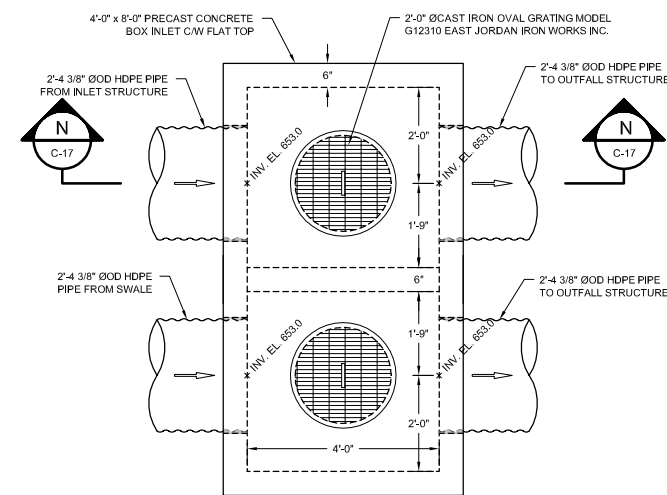
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
PARCELS 3 AND 205
STORM SEWER DETAILS I

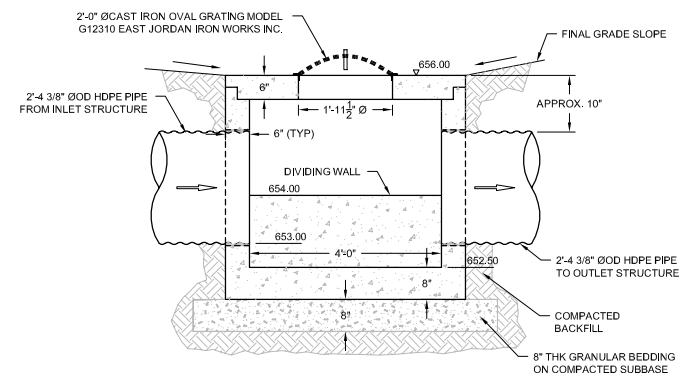


Source Reference:
BASE BY SEVENSON ENVIRONMENTAL SURVEY MAY 13, 2004

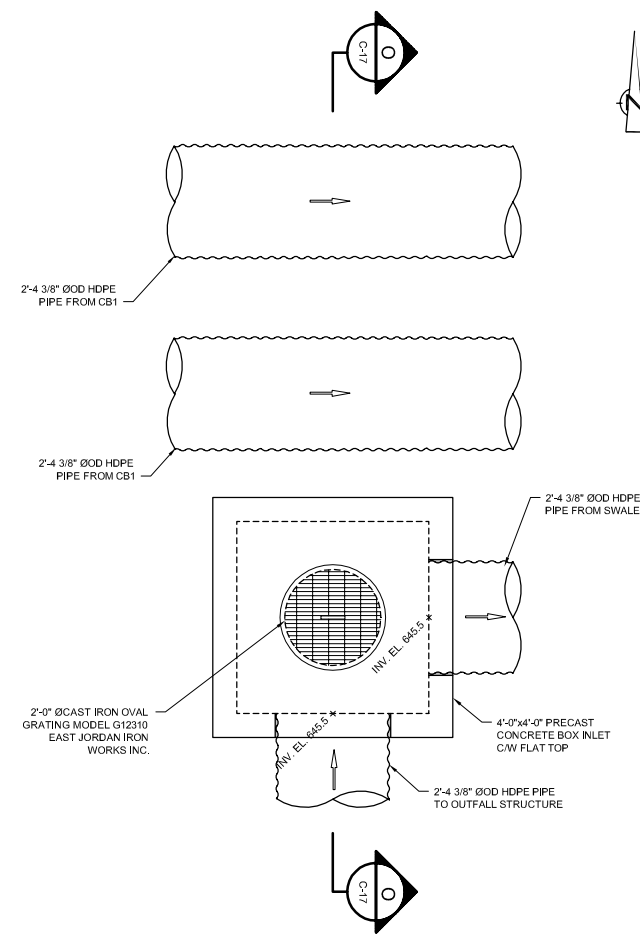
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project NR: 13968-00	Report NR: 108
		Drawing NR: C-16



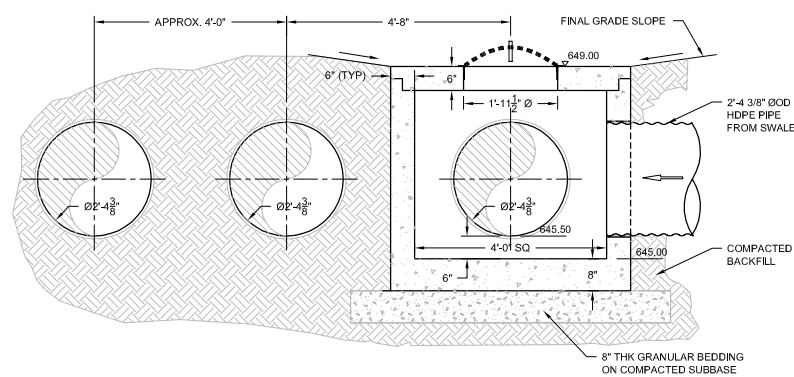
DETAIL 5 CATCH BASIN CB1
1/2" = 1'
C-04



SECTION N
1/2" = 1'
C-17



DETAIL 6 CATCH BASIN CB2
1/2" = 1'
C-04



SECTION O
1/2" = 1'
C-17

NO	Revision	Date	Initial

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

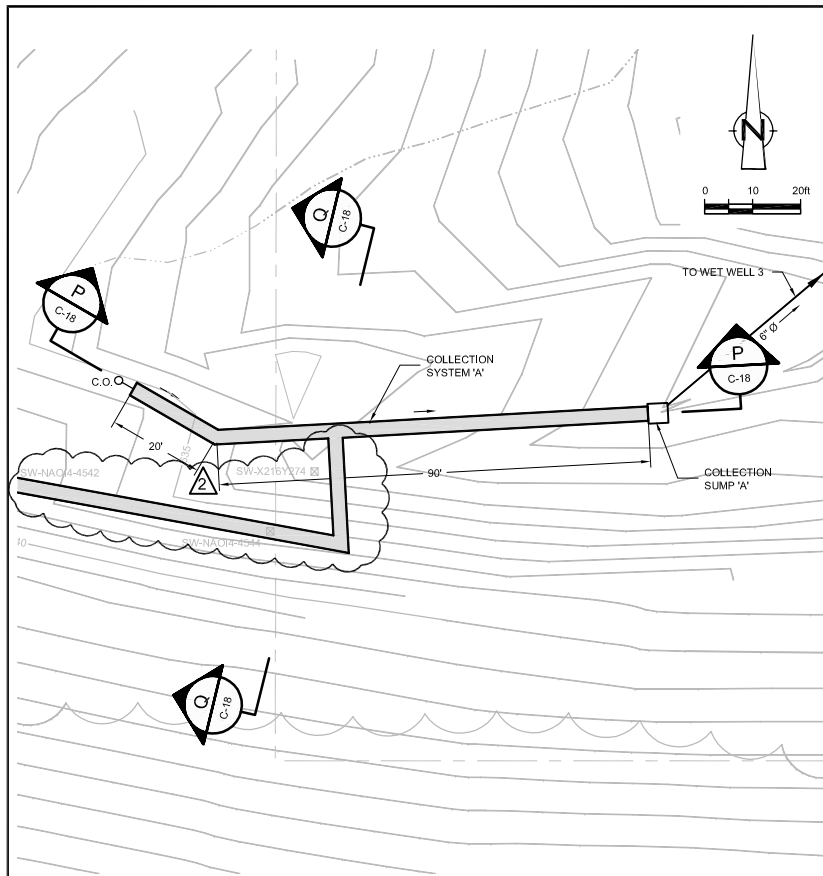
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
PARCELS 3 AND 205
STORM SEWER DETAILS II

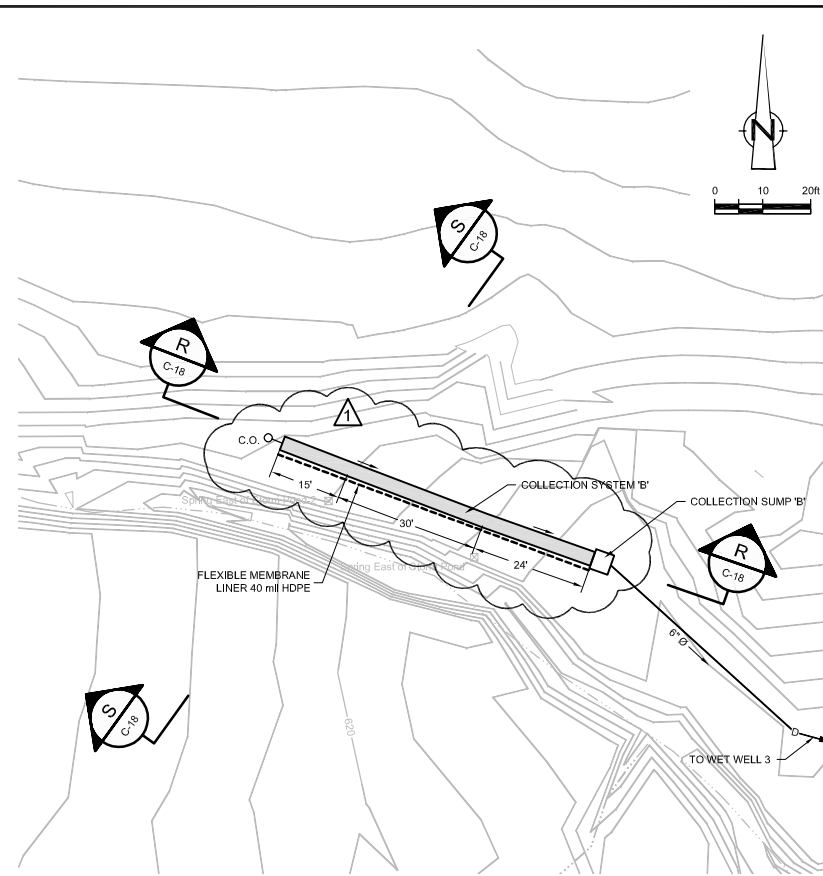


Source Reference:

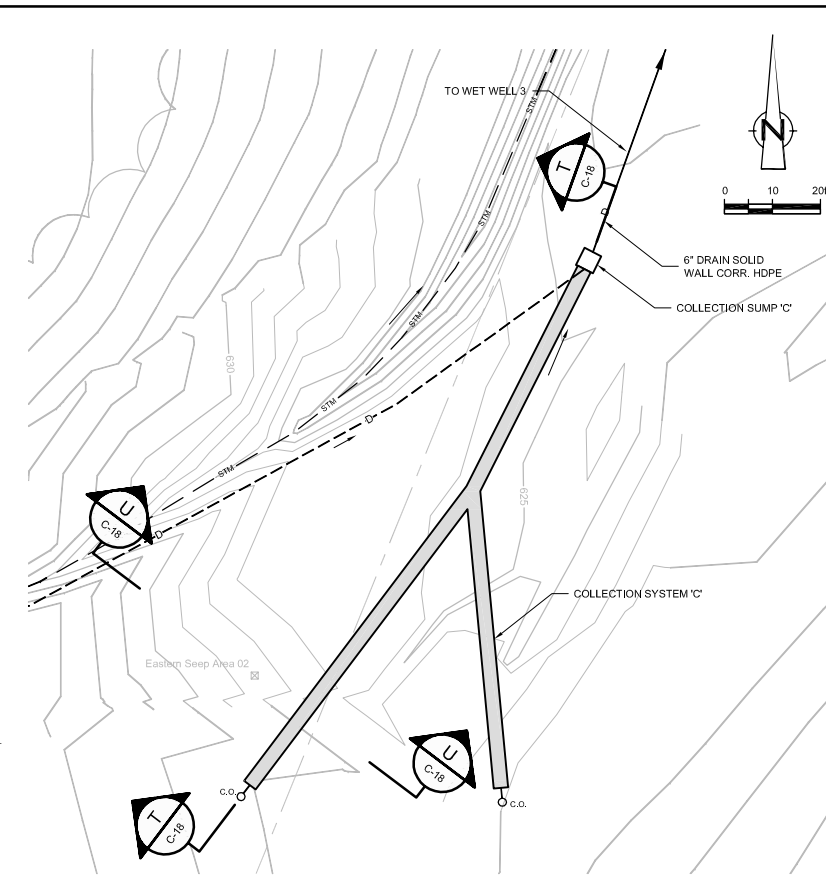
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project NR: 13968-00	Report NR: 108 Drawing NR: C-17



COLLECTION SYSTEM "A" PLAN



COLLECTION SYSTEM "B" PLAN



COLLECTION SYSTEM "C" PLAN

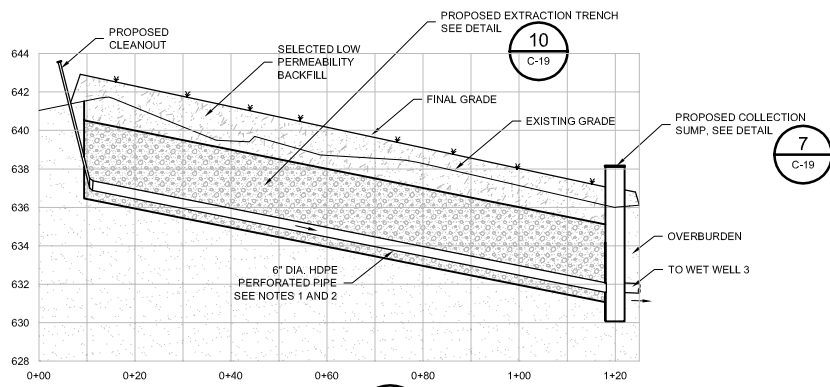
NO	Revision	Date	Initial
1	COLLECTION SYSTEM "B" PLAN AND SECTION POSITION OF PROPOSED EXTRACTION TRENCH REVISED	AUG 20, 2004	AW
2	ADDITIONAL SEEP COLLECTION AREAS	OCT 15, 2004	CRH

LEGEND

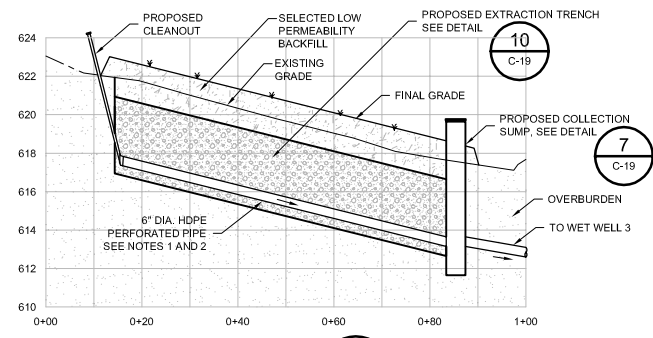
- 600 — EXISTING CONTOUR
- - - - - APPROX. SURFACE WATER LOCATION
- - - - - APPROX. PROPERTY BOUNDARY
- - - - - EXISTING VEGETATION
- ⊗ SEEP
- ⊗ SEEP/SRING SAMPLE LOCATION
- ▬ PROPOSED OVERBURDEN EXTRACTION TRENCH
- PROPOSED DNAPL SUMP STRUCTURE (SEE DETAIL DWG. C-04)
- - - - - PROPOSED GRAVITY DRAIN (HDPE PERFORATED PIPE)
- - - - - PROPOSED GRAVITY DRAIN (HDPE SOLID WALL PIPE)
- C.O. PROPOSED CLEANOUT

NOTE:

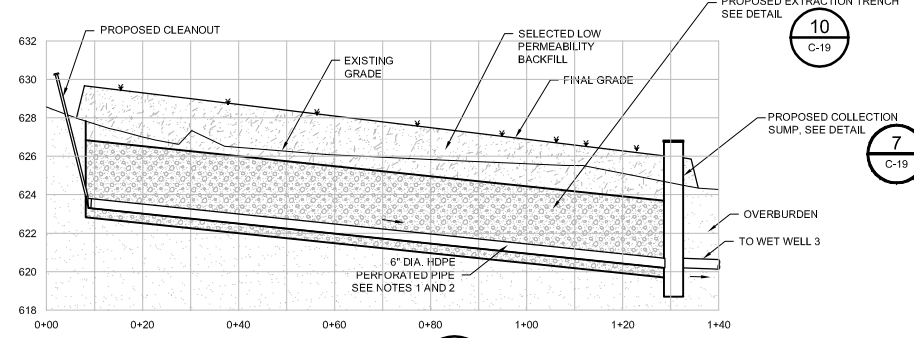
- ALL FINAL GRAVITY DRAIN PIPE INVERT ELEVATIONS AND EXTRACTION TRENCH / COLLECTION SUMP CONFIGURATION WILL BE DETERMINED IN FIELD.
- HORIZONTAL AND VERTICAL ALIGNMENTS FOR COLLECTION SYSTEM (DRAIN PIPES, EXTRACTION TRENCH, AND COLLECTION SUMP) AS SHOWN ARE FOR ORIENTATIONAL PURPOSES ONLY.



SECTION P
HOR. 1" = 20'
VER. 1" = 5'



SECTION R
HOR. 1" = 20'
VER. 1" = 5'



SECTION T
HOR. 1" = 20'
VER. 1" = 5'

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**

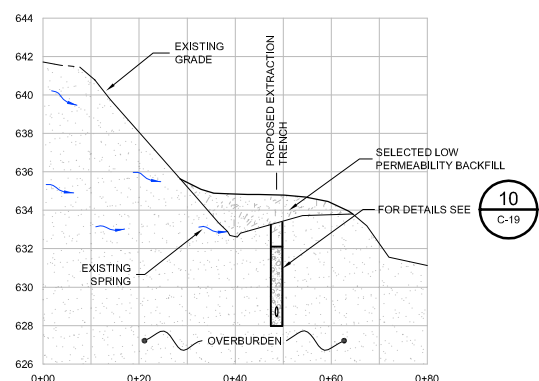
ADDENDUM NO. 2

**AREA NORTH OF AOI 4 - COLLECTION
SYSTEMS 'A', 'B' AND 'C' PLAN & SECTIONS**

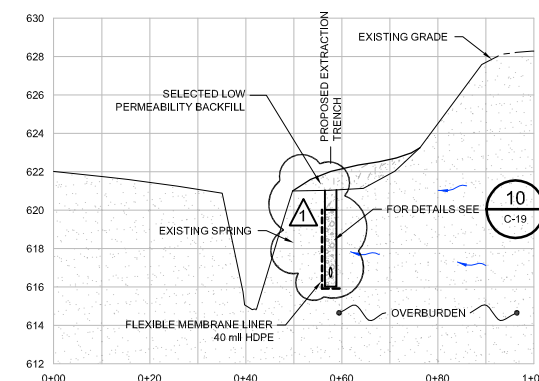
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

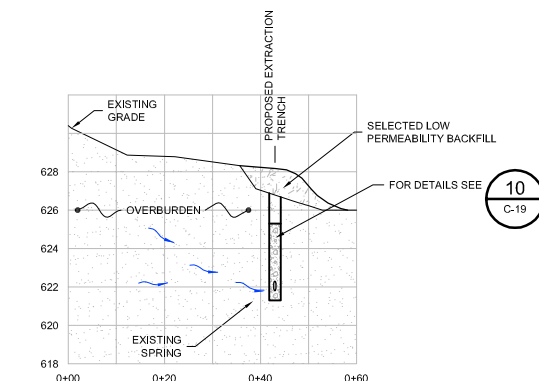
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project N°: 13968-00	Report N°: 108
		Drawing N°: C-18



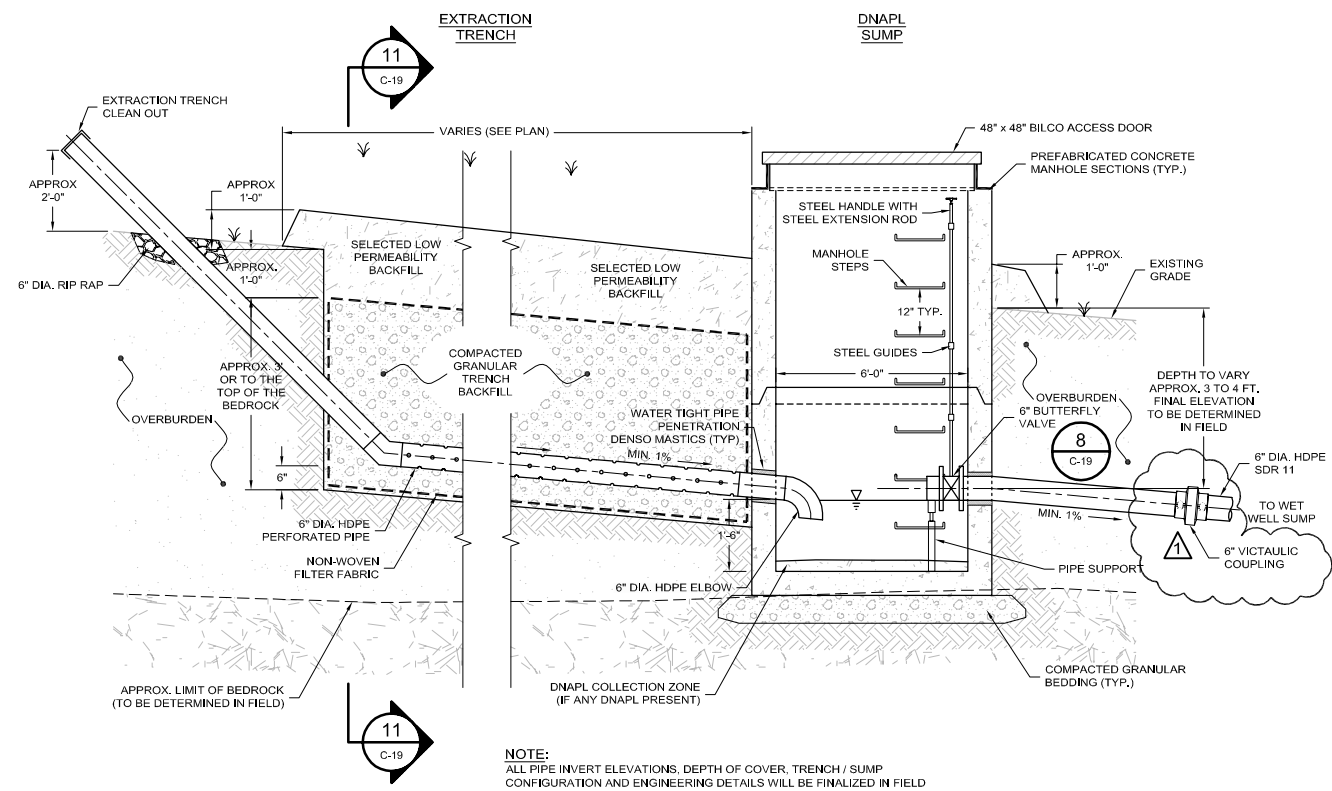
SECTION Q
HOR. 1" = 20'
VER. 1" = 5'



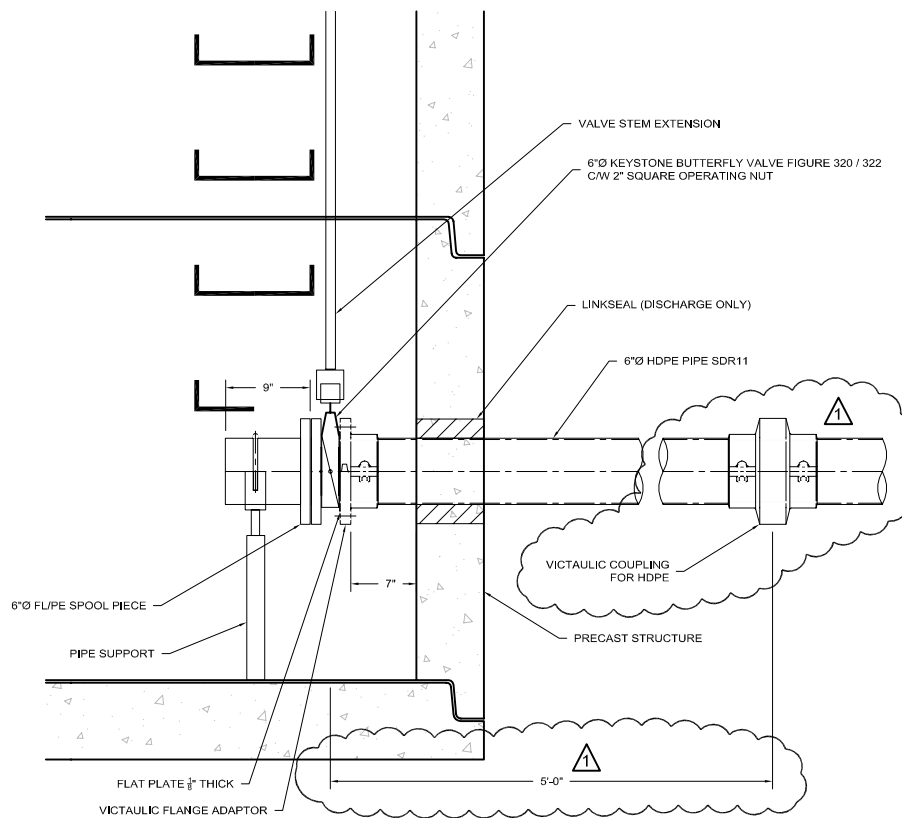
SECTION S
HOR. 1" = 20'
VER. 1" = 5'



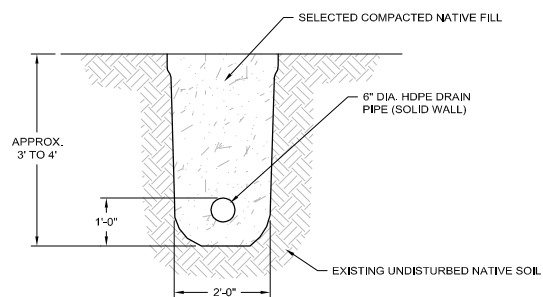
SECTION U
HOR. 1" = 20'
VER. 1" = 5'



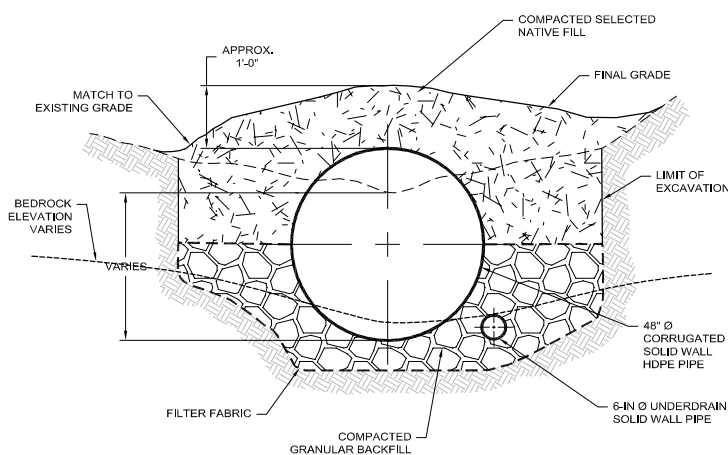
DETAIL 7 COLLECTION SUMP
N.T.S. C-05, C-10, C-11, C-12



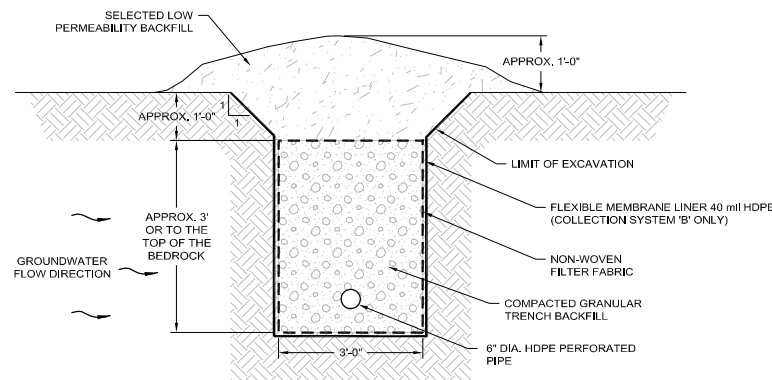
DETAIL 8 BUTTERFLY VALVE COLLECTION SUMP DISCHARGE
N.T.S. C-19



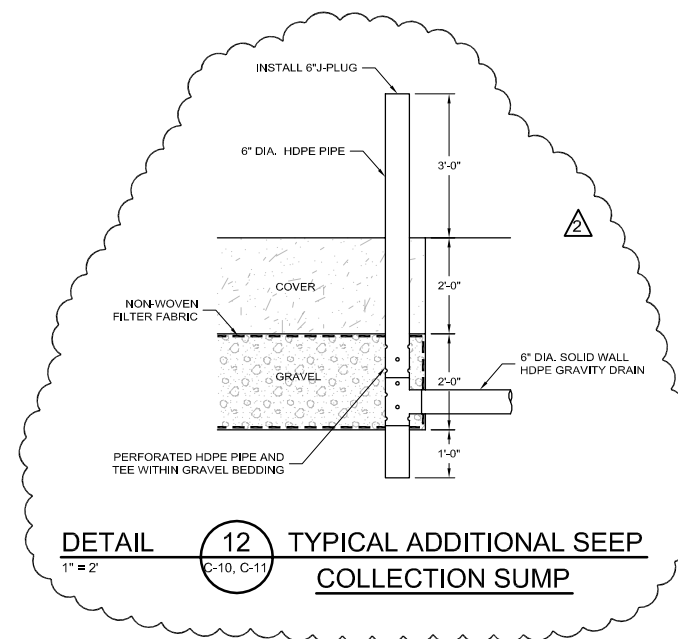
DETAIL 9 TYPICAL GRAVITY DRAIN
1" = 2" C-10, C-11, C-12



DETAIL 10 TYPICAL 48\"/>



DETAIL 11 TYPICAL GROUNDWATER COLLECTION TRENCH
1" = 2" C-19



DETAIL 12 TYPICAL ADDITIONAL SEEP COLLECTION SUMP
1" = 2" C-10, C-11

NO	Revision	Date	Initial
1	DETAIL 7 AND 8 VICTAULIC COUPLING FOR HDPE AND DIMENSIONS ADDED	AUG 20, 2004	AW
2	ADDED DETAIL 12 TYPICAL ADDITIONAL SEEP COLLECTION SUMP*	OCT 1, 2004	CRH

SCALE VERIFICATION	
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.	

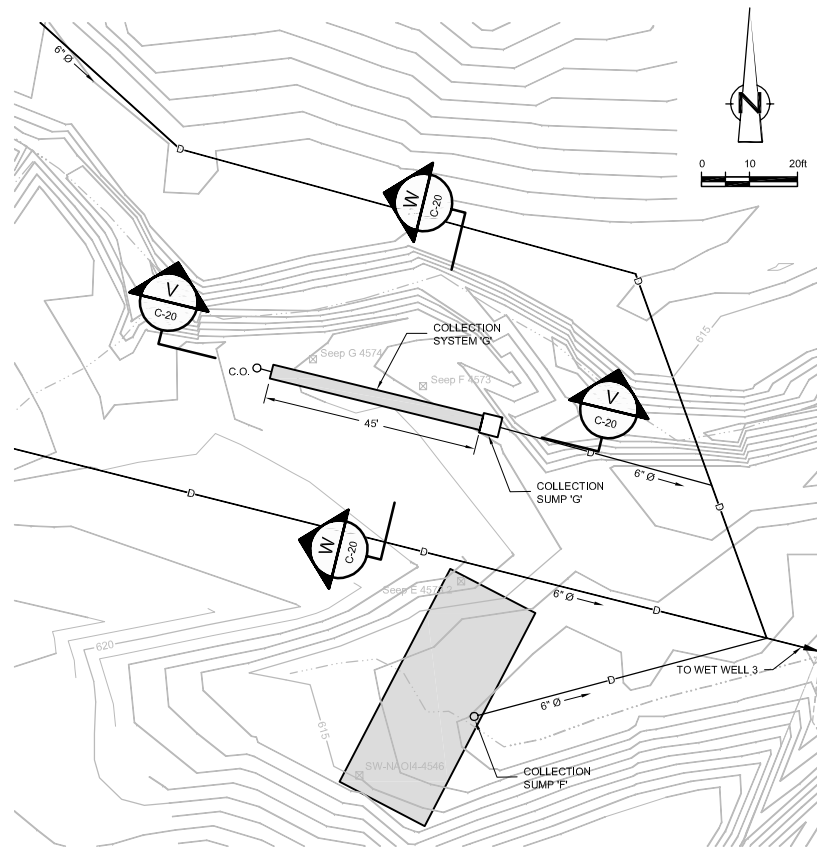
DRAWING STATUS		
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH
Status	Date	Initial

GM BEDFORD REMOVAL ACTION SITE SOURCE CONTROL PLAN		
ADDENDUM NO. 2		
AREA NORTH OF AOI4 COLLECTION SYSTEM DETAILS		

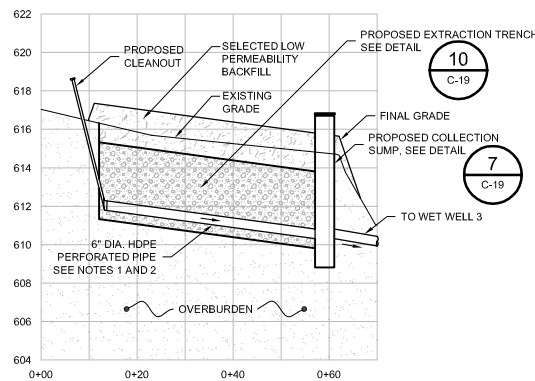
GM BEDFORD REMOVAL ACTION SITE SOURCE CONTROL PLAN			
ADDENDUM NO. 2			
AREA NORTH OF AOI4 COLLECTION SYSTEM DETAILS			



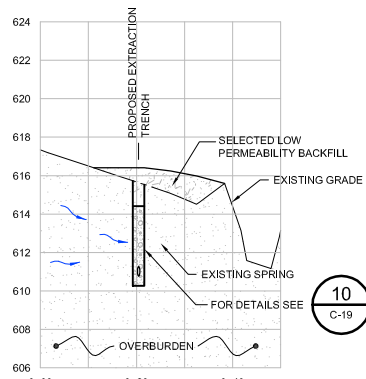
Source Reference:			
Project Manager:	Reviewed By:	Date:	
J.M.	J.D.	JULY 2004	
Scale:	Project N°:	Report N°:	Drawing N°:
AS SHOWN	13968-00	108	C-19



COLLECTION SYSTEM "G" PLAN



SECTION V C-20
HOR. 1" = 20'
VER. 1" = 5'



SECTION W C-20
HOR. 1" = 20'
VER. 1" = 5'

NO	Revision	Date	Initial

LEGEND

	EXISTING CONTOUR
	APPROX. SURFACE WATER LOCATION
	APPROX. PROPERTY BOUNDARY
	EXISTING VEGETATION
	SEEP/SPRING SAMPLE LOCATION
	PROPOSED OVERBURDEN EXTRACTION TRENCH
	PROPOSED DNAPL SUMP STRUCTURE (SEE DETAIL DWG. C-04)
	PROPOSED GRAVITY DRAIN (HDPE PERFORATED PIPE)
	PROPOSED GRAVITY DRAIN (HDPE SOLID WALL PIPE)
	PROPOSED CLEANOUT

- NOTE:**
- ALL FINAL GRAVITY DRAIN PIPE INVERT ELEVATIONS AND EXTRACTION TRENCH / COLLECTION SUMP CONFIGURATION WILL BE DETERMINED IN FIELD.
 - HORIZONTAL AND VERTICAL ALIGNMENTS FOR COLLECTION SYSTEM (DRAIN PIPES, EXTRACTION TRENCH, AND COLLECTION SUMP) AS SHOWN ARE FOR ORIENTATIONAL PURPOSES ONLY.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
NEW DRAWING ADDED TO ADDENDUM NO. 2	OCT 18, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**

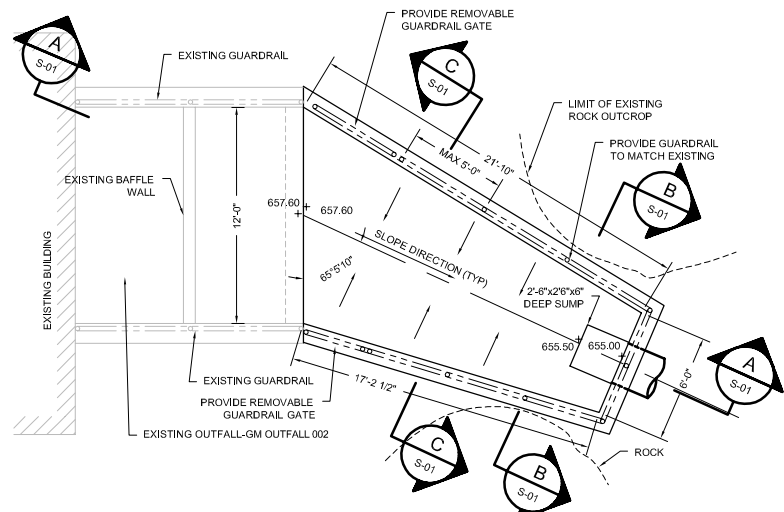
ADDENDUM NO. 2

**AREA NORTH OF AOI4
COLLECTION SYSTEM 'G' PLAN & SECTIONS**

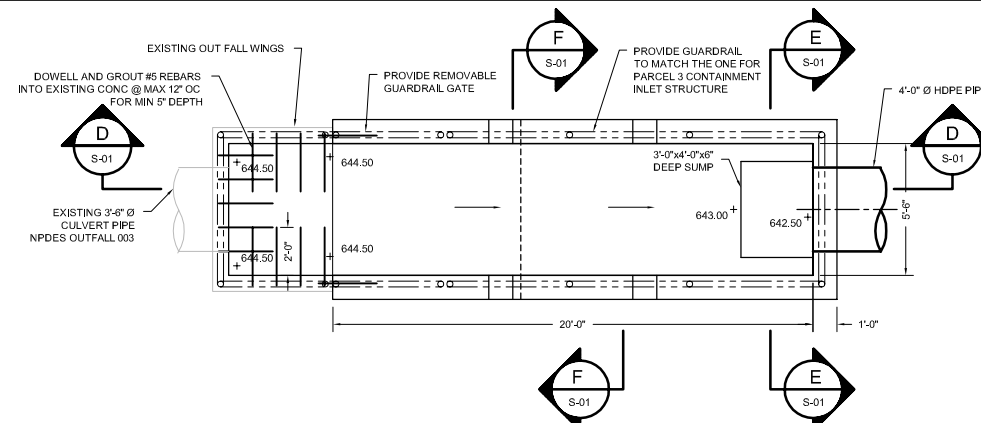


Source Reference:
BASE MAP COMPLETED BY AIR-LAND SURVEYS, FLINT, MI. APRIL 2001

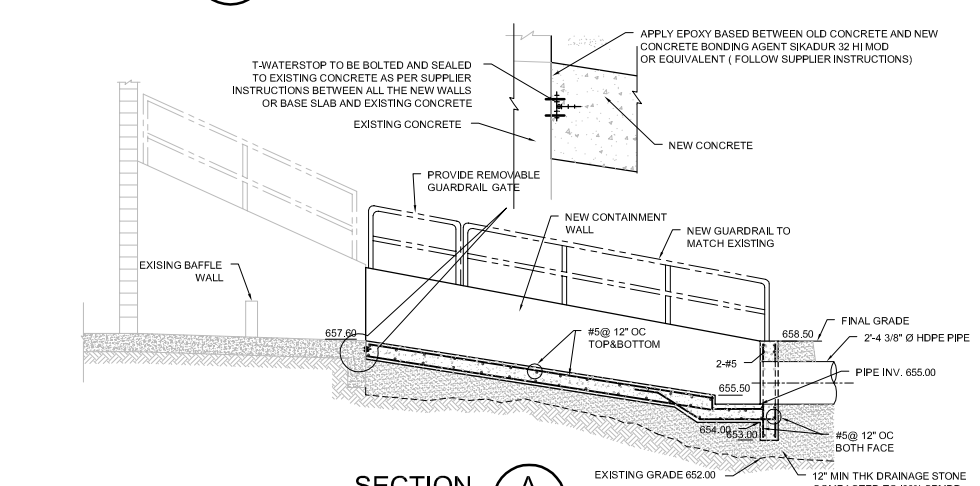
Project Manager: J.M.	Reviewed By: J.D.	Date: OCTOBER 2004
Scale: AS SHOWN	Project N°: 13968-00	Report N°: 108
		Drawing N°: C-20



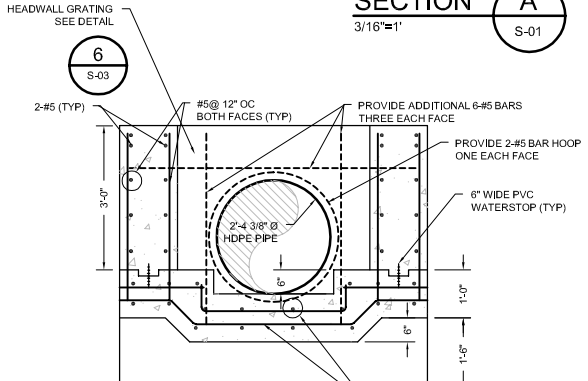
DETAIL 1 PARCEL 3 CONTAINMENT INLET STRUCTURE
3/16"=1' C-04, C-09



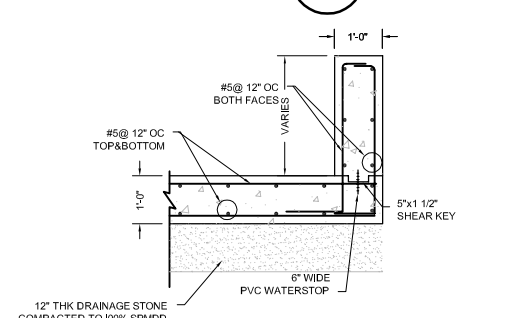
DETAIL 2 AOI4 AREA CONTAINMENT INLET STRUCTURE
1/4"=1' C-05, C-13



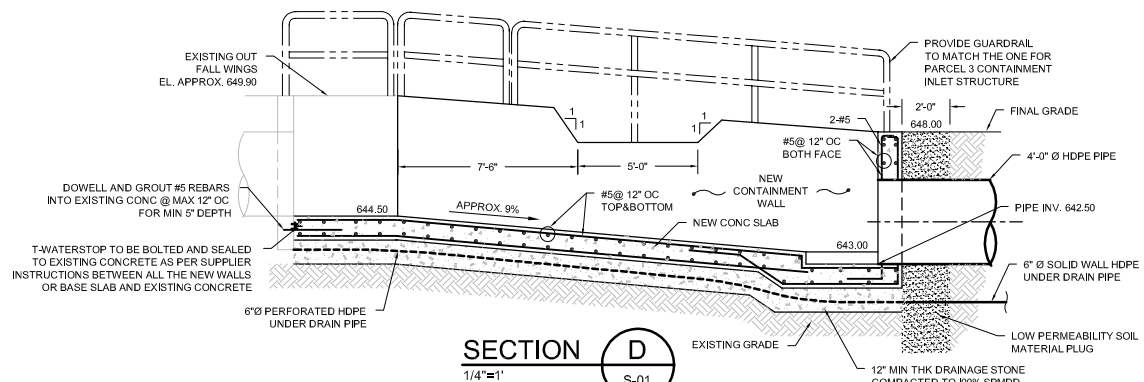
SECTION A
3/16"=1' S-01



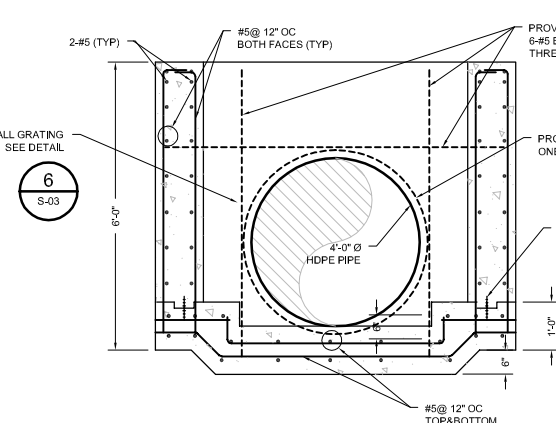
SECTION B
1/2"=1' S-01



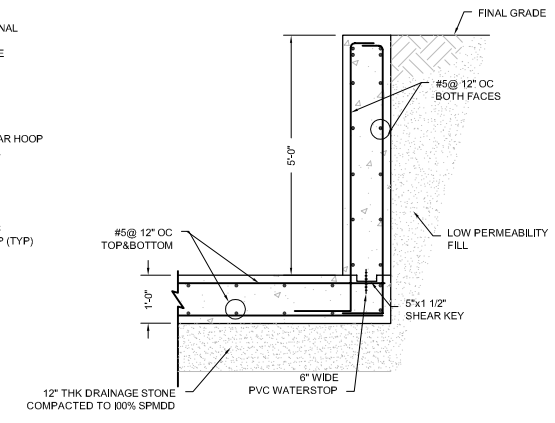
SECTION C TYPICAL WALL SECTION
1/2"=1' S-01



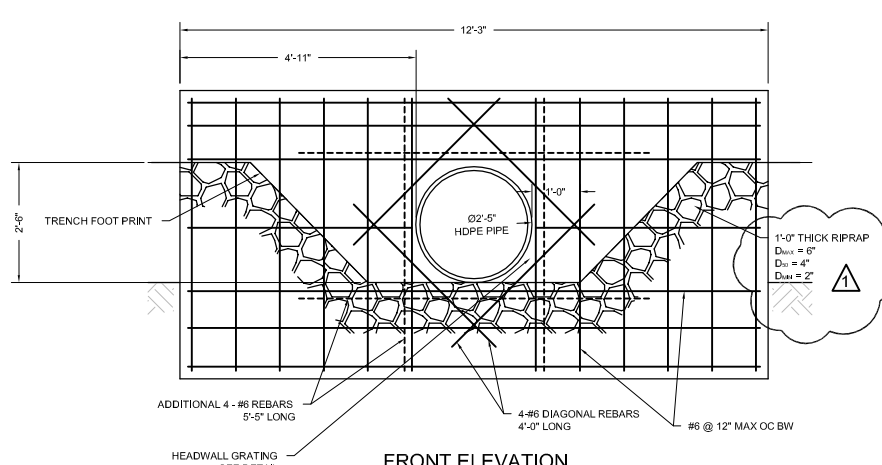
SECTION D
1/4"=1' S-01



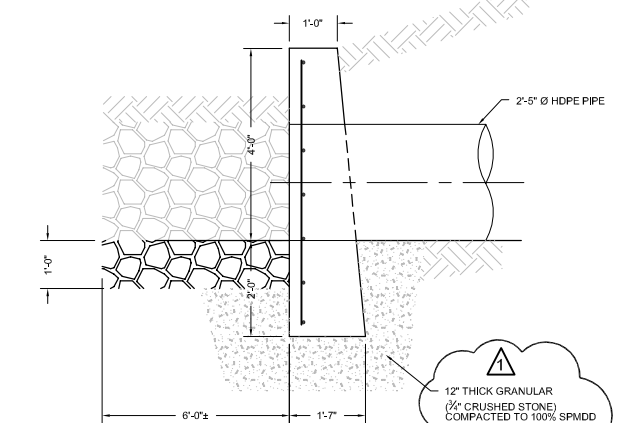
SECTION E
1/2"=1' S-01



SECTION F TYPICAL WALL SECTION
1/2"=1' S-01



FRONT ELEVATION
DETAIL 3 INLET HEADWALL
1/2"=1' C-04, C-09



CROSS SECTION

NO	Revision	Date	Initial
1	DETAIL 3 FRONT ELEVATION AND CROSS SECTION TEXT ADDED	AUG 20, 2004	AW

- CAST-IN-PLACE CONCRETE NOTES:**
- CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO: ACI 318 LATEST EDITION.
 - CURE CONCRETE IN ACCORDANCE WITH ACI 318.
 - CEMENT SHALL BE TYPE I
 - CONCRETE SPECIFICATIONS:**

UNIT	MEASUREMENT
COMPRESSIVE STRENGTH (28 DAYS)	4000 psi
WATER/CEMENT RATIO (MAXIMUM)	0.45 BY WEIGHT
AGGREGATE SIZE (MAXIMUM)	3/4 INCH
ENTRAINED AIR	6 PERCENT, PLUS OR MINUS 1 PERCENT
ADMIXTURE	WATER REDUCING TYPE
FLY ASH AND POZOLAN CONTENT	MAXIMUM 20 PERCENT OF CEMENT CONTENT
SLUMP - PLUS OR MINUS (1 INCH)	4 INCH
CEMENT CONTENT (MINIMUM)	500 POUNDS PER CU YD
 - NO ADMIXTURE SHALL CONTAIN CALCIUM CHLORIDE BASED COMPOUNDS.
 - REINFORCING BARS SHALL BE NEW BILLET STEEL, DEFORMED HAVING YIELD STRENGTH $F_y = 60$ ksi
 - LAP SPLICES IN REINFORCING BARS SHALL BE MINIMUM 38 TIMES BAR DIAMETER, AND NOT LESS THAN 18 INCHES.
 - PROVIDE (1"x1") CHAMFERED EDGE ON ALL EXPOSED CONCRETE CORNERS.
 - PROVIDE CORNER BARS TO MATCH HORIZONTAL BARS AT ALL CORNERS.
 - CONCRETE PROTECTION FOR REINFORCING BARS TO BE 2 INCH UNLESS OTHERWISE NOTED.
 - NO CONSTRUCTION JOINT SHALL BE MADE UNLESS SHOWN ON DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.
 - FINISH CONCRETE WITH STEEL TROWELLED FINISH WITHIN 1/8 INCH OF ELEVATIONS SHOWN ON DRAWINGS. FINISH TO PROVIDE DENSE, SMOOTH SURFACE, FREE OF ALL MINOR BLEMISHES, SUCH AS TROWEL MARKS. PROVIDE SURFACE IN ACCORDANCE WITH REQUIREMENTS OF COATING APPLICATOR IF APPLICABLE.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

ISSUED FOR	DATE	INITIAL
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH
Status	Date	Initial

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**

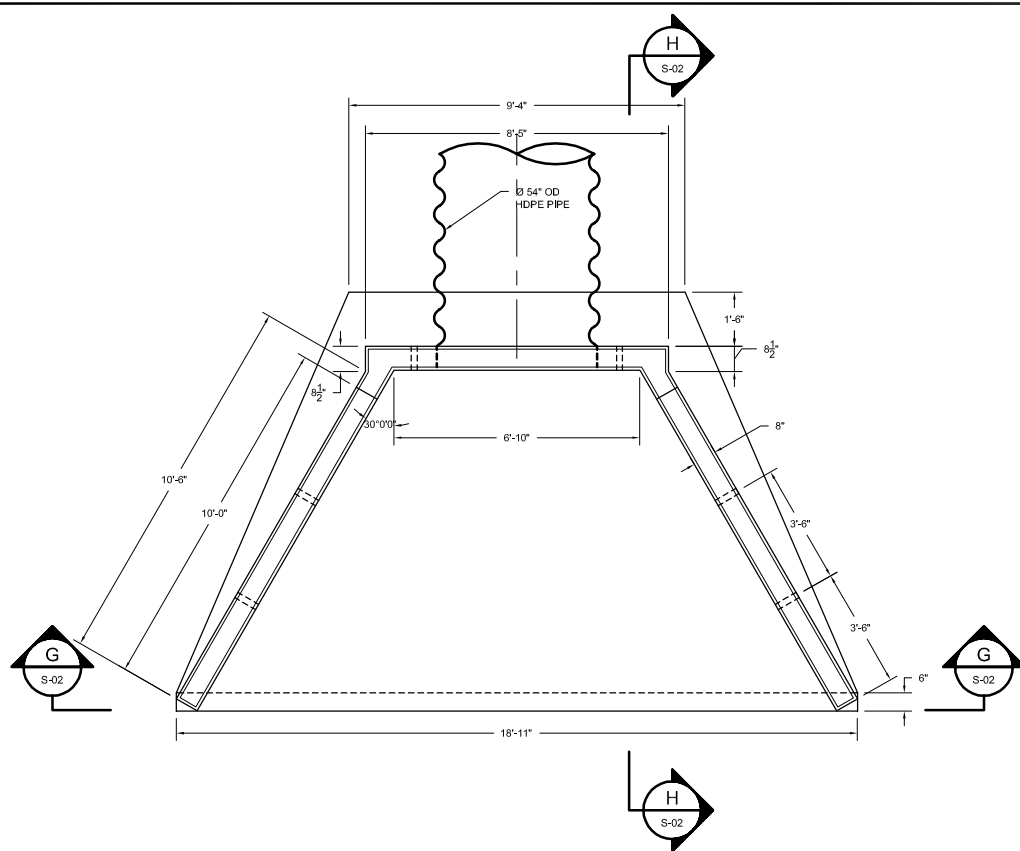
ADDENDUM NO. 2

**CONTAINMENT INLET
STRUCTURE DETAILS**

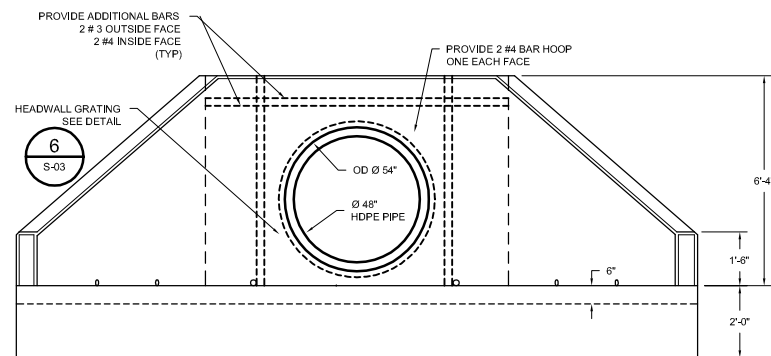
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

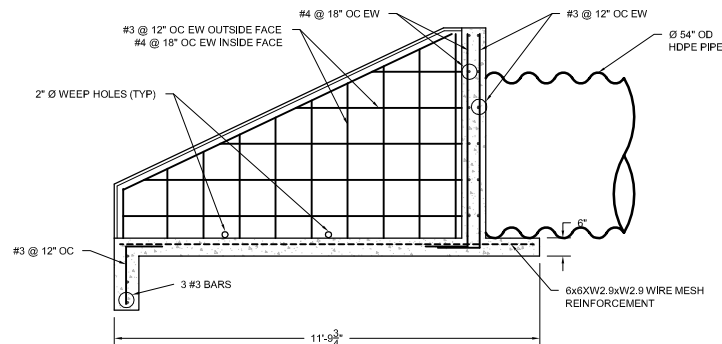
Project Manager:	Reviewed By:	Date:
J.M.	J.D.	JULY 2004
Scale:	Project N°:	Report N°:
AS SHOWN	13968-00	108
		Drawing N°:
		S-01



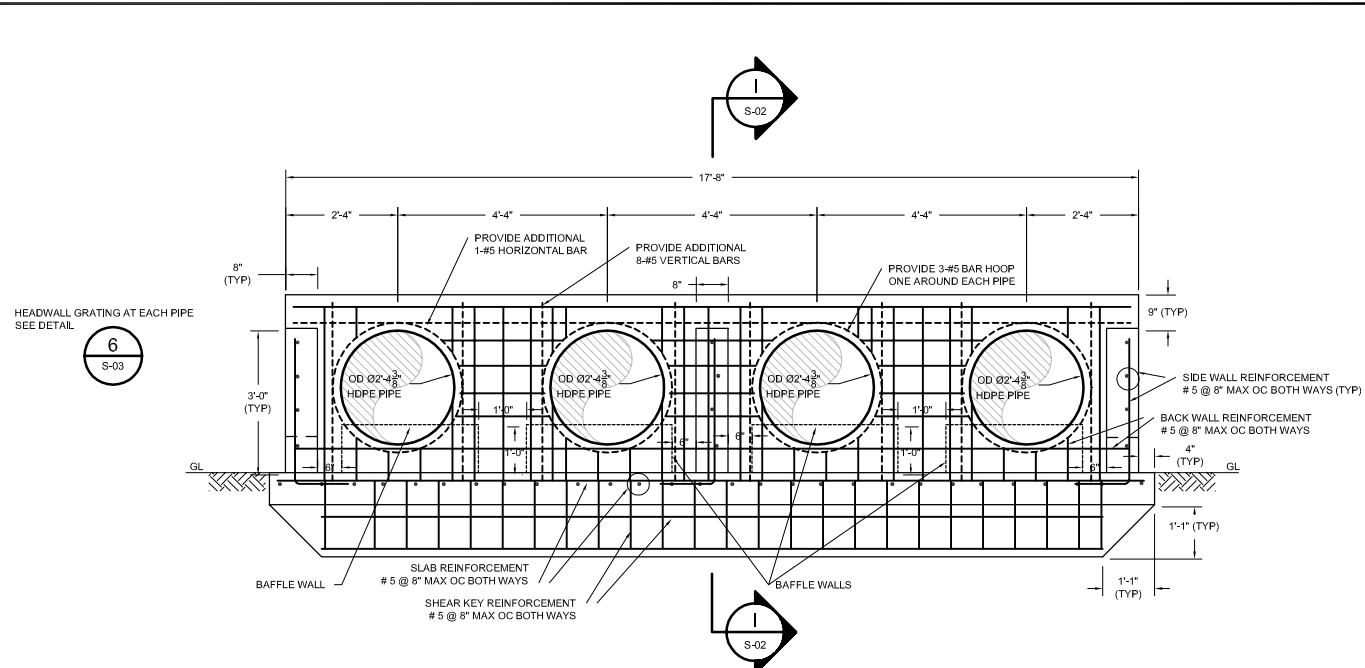
DETAIL 4 AOI4 AREA CONCRETE HEADWALL
3/8"=1' C-05, C-13



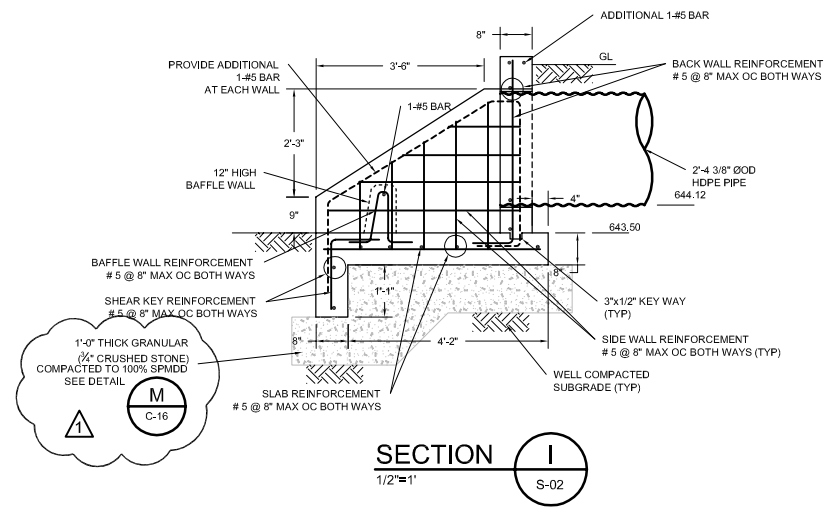
SECTION G
3/8"=1' S-02



SECTION H
3/8"=1' S-02



DETAIL 5 PARCEL 205 CONCRETE HEADWALL
1/2"=1' C-04, C-09



SECTION I
1/2"=1' S-02

NO	Revision	Date	Initial
1	SECTION I TEXT ADDED	AUG 20, 2004	AW

- CAST-IN-PLACE CONCRETE NOTES:**
- CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO: ACI 318 LATEST EDITION.
 - CURE CONCRETE IN ACCORDANCE WITH ACI 318.
 - CEMENT SHALL BE TYPE I
 - CONCRETE SPECIFICATIONS
- | UNIT | MEASUREMENT |
|--------------------------------|--------------------------------------|
| COMPRESSIVE STRENGTH (28 DAYS) | 4000 psi |
| WATER/CEMENT RATIO (MAXIMUM) | 0.45 BY WEIGHT |
| AGGREGATE SIZE (MAXIMUM) | 3/4 INCH |
| ENTRAINED AIR | 6 PERCENT, PLUS OR MINUS 1 PERCENT |
| ADMIXTURE | WATER REDUCING TYPE |
| FLY ASH AND POZOLAN CONTENT | MAXIMUM 20 PERCENT OF CEMENT CONTENT |
| SLUMP - PLUS OR MINUS (1 INCH) | 4 INCH |
| CEMENT CONTENT (MINIMUM) | 500 POUNDS PER CU YD |
- NO ADMIXTURE SHALL CONTAIN CALCIUM CHLORIDE BASED COMPOUNDS.
 - REINFORCING BARS SHALL BE NEW BILLET STEEL, DEFORMED HAVING YIELD STRENGTH $F_y = 60$ ksi
 - LAP SPLICES IN REINFORCING BARS SHALL BE MINIMUM 38 TIMES BAR DIAMETER, AND NOT LESS THAN 18 INCHES.
 - PROVIDE (1"x1") CHAMFERED EDGE ON ALL EXPOSED CONCRETE CORNERS.
 - PROVIDE CORNER BARS TO MATCH HORIZONTAL BARS AT ALL CORNERS.
 - CONCRETE PROTECTION FOR REINFORCING BARS TO BE 2 INCH UNLESS OTHERWISE NOTED.
 - NO CONSTRUCTION JOINT SHALL BE MADE UNLESS SHOWN ON DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.
 - FINISH CONCRETE WITH STEEL TROWELLED FINISH WITHIN 1/8 INCH OF ELEVATIONS SHOWN ON DRAWINGS. FINISH TO PROVIDE DENSE, SMOOTH SURFACE, FREE OF ALL MINOR BLEMISHES, SUCH AS TROWEL MARKS. PROVIDE SURFACE IN ACCORDANCE WITH REQUIREMENTS OF COATING APPLICATOR IF APPLICABLE.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**

ADDENDUM NO. 2

OUTFALL STRUCTURES DETAILS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:
J.M.	J.D.	JULY 2004
Scale:	Project N°:	Report N°:
AS SHOWN	13968-00	108
		Drawing N°:
		S-02

NO	Revision	Date	Initial

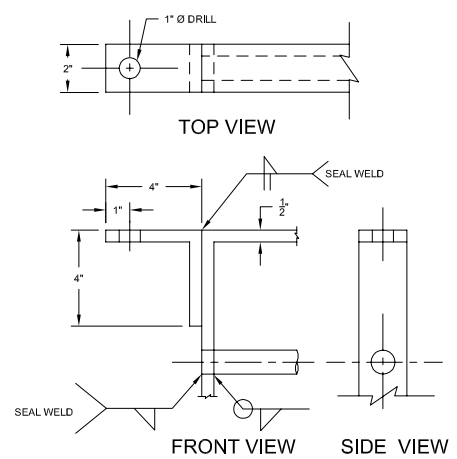
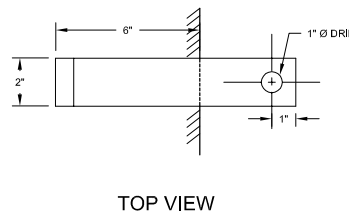
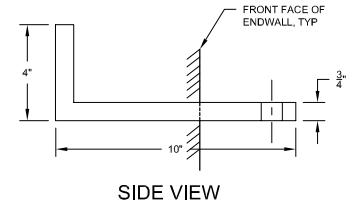
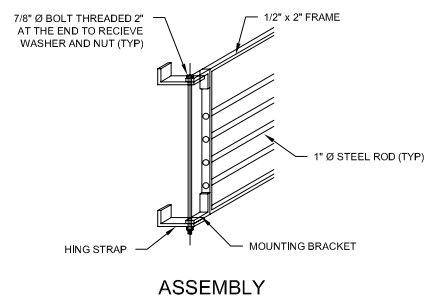
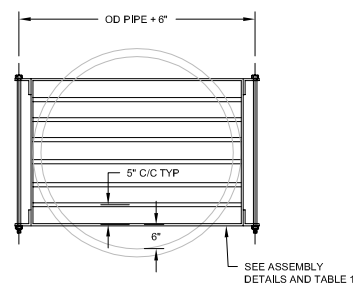


TABLE 1 - NUMBER OF RODS IN FRAME

PIPE DIA	No. OF RODS
18"	1
21"	1
24"	2
27"	3
30"	3
33"	4
36"	4
39"	5
42"	6
48"	7

PIPE DIA UP TO 48"

DETAIL **6** HEADWALL GRATING
N.T.S.


SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

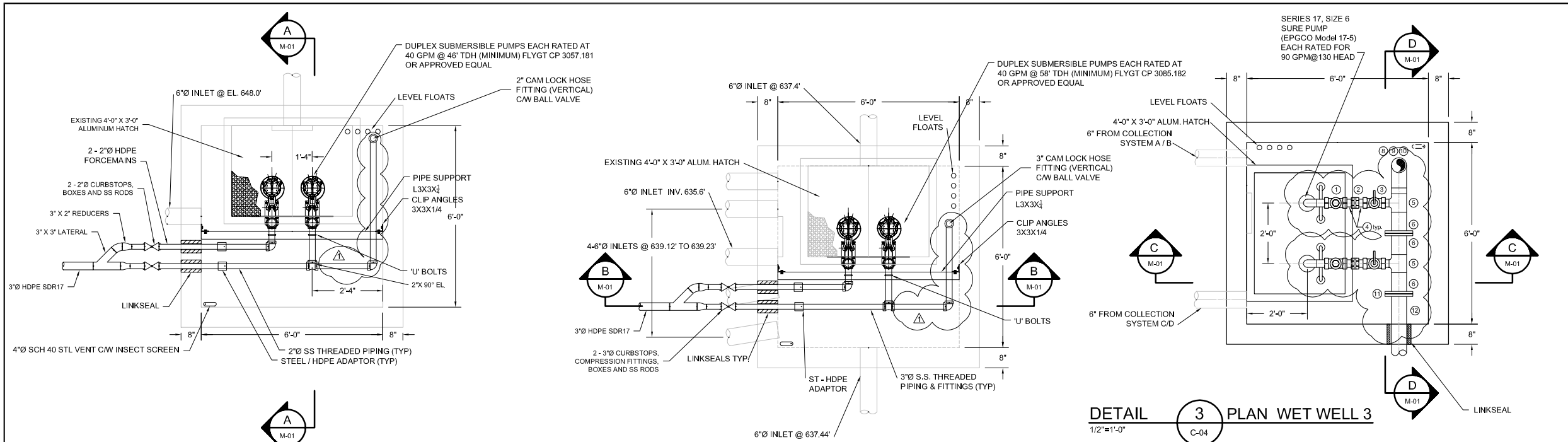
GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN
ADDENDUM NO. 2
MISCELLANEOUS DETAILS



CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BASE BY SEVENSON ENVIRONMENTAL SURVEY MAY 13, 2004

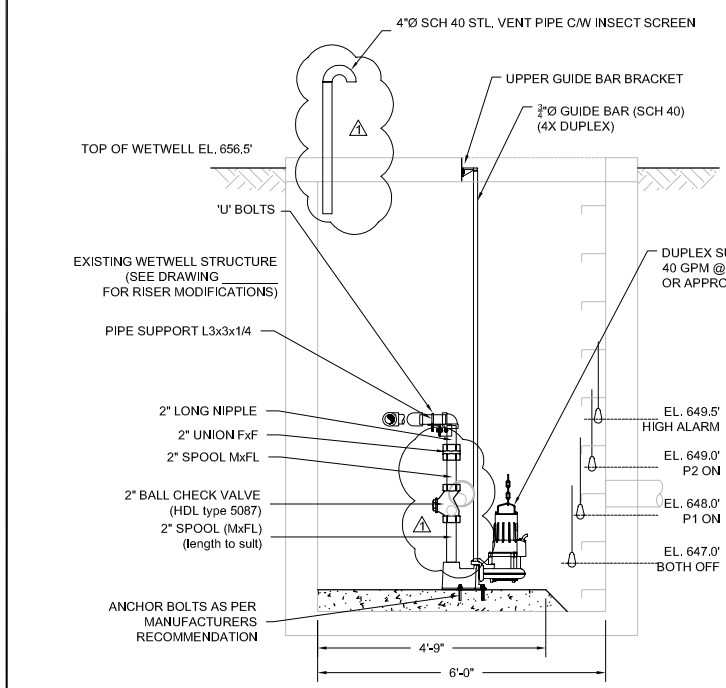
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project N°: 13968-00	Report N°: 108 Drawing N°: S-03



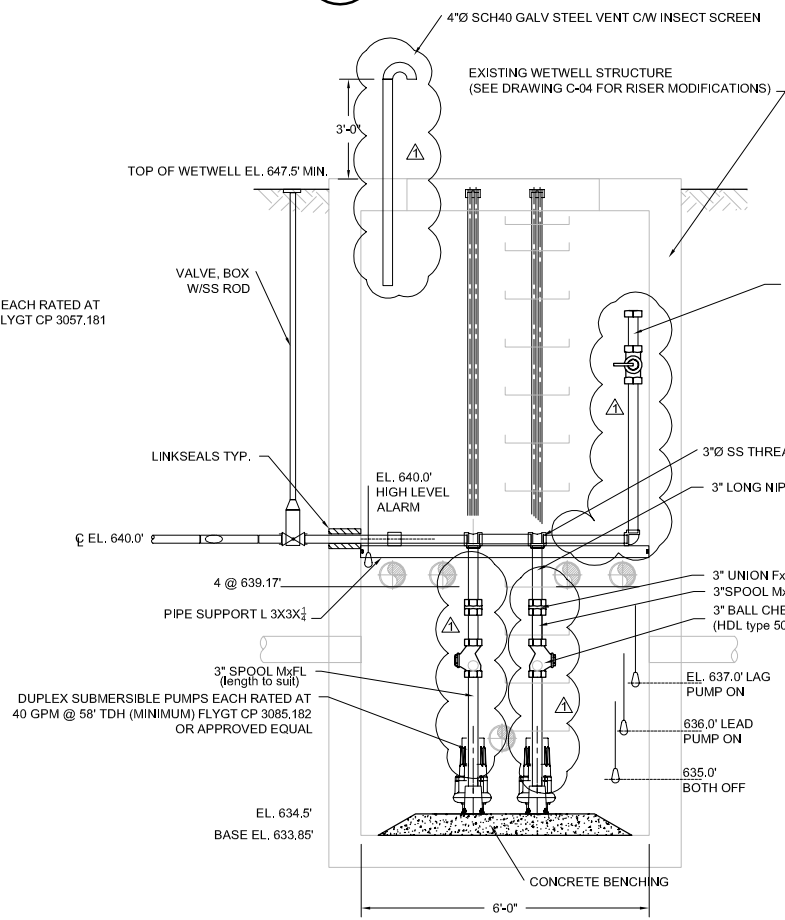
DETAIL 1 PLAN WET WELL 1
1/2" = 1'-0" C-04

DETAIL 2 PLAN WET WELL 2
1/2" = 1'-0" C-04

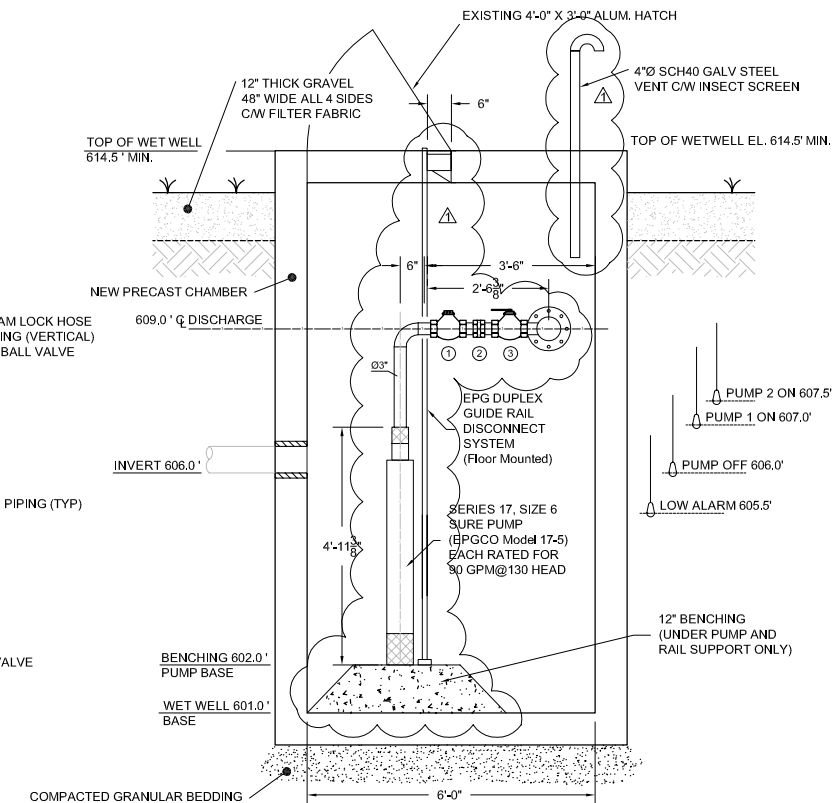
DETAIL 3 PLAN WET WELL 3
1/2" = 1'-0" C-04



SECTION A
1/2" = 1'-0" M-01

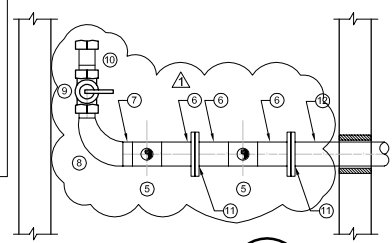


SECTION B
1/2" = 1'-0" M-01



SECTION C
1/2" = 1'-0" M-01

- ① 3" FNPT S.S. CHECK VALVE
- ② 3" FNPT UNION
- ③ 3" FNPT BALL VALVE
- ④ 3" CLOSE NIPPLE
- ⑤ 6x6x3 REDUCING TEE - FNPT
- ⑥ 6" FLXNPT
- ⑦ 6" CLOSE NIPPLE
- ⑧ 6"x4" FNPT REDUCING ELBOW
- ⑨ 4" FNPT BALL VALVE
- ⑩ 4" FNPT EPG CAM COUPLER (PART F C/W DUST CAP)
- ⑪ 6" CONVOLUTED S.S. FLANGE
- ⑫ 6" HDPE FLANGE ADAPTOR



SECTION D
1/2" = 1'-0" M-01

NO	Revision	Date	Initial
1.	REVISIONS TO PUMP EQUIPMENT-WELL 1, 2 & 3	FEB. 28, 2005	C.R.H.

NOTE:
ALL INTERNAL PIPING AND FITTINGS TO BE
STAINLESS STEEL UNLESS OTHERWISE SHOWN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

ISSUED FOR	DATE	INITIAL
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH
Status	Date	Initial

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**

ADDENDUM NO. 2

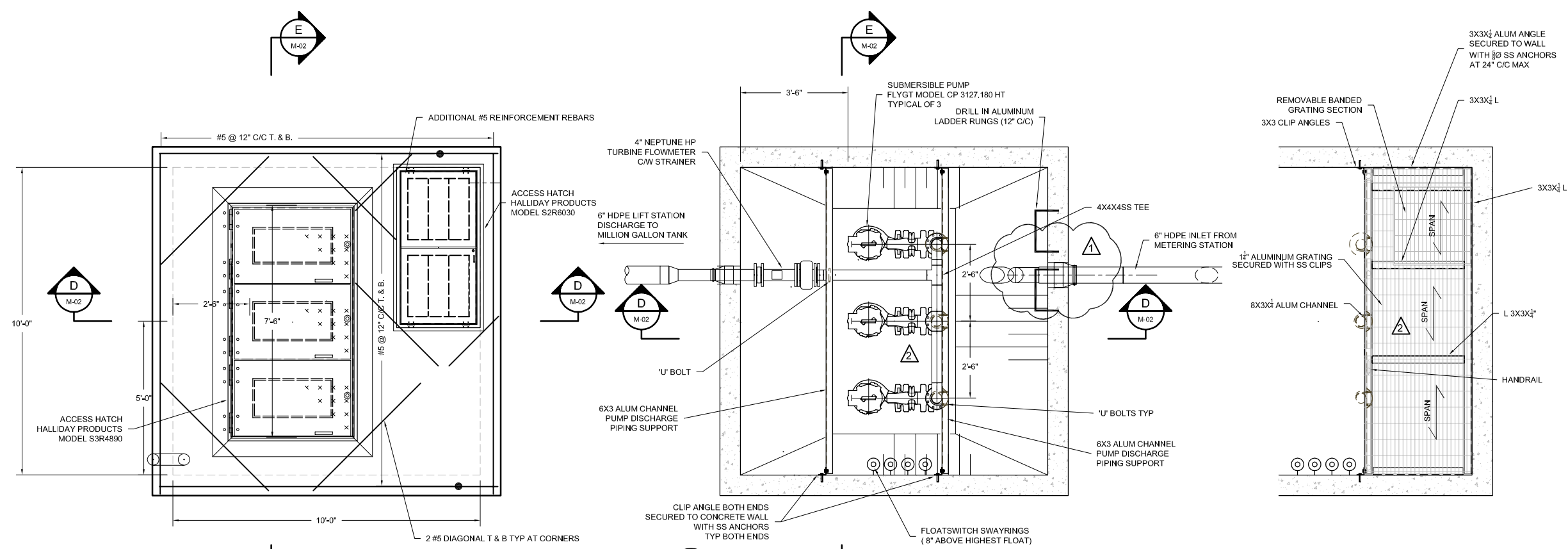
**PARCELS 3, 205 AND AREA
NORTH OF AO14 - WET WELLS 1, 2 AND 3**



Source Reference:

Project Manager:	Reviewed By:	Date:	
J.M.	J.D.	JULY 2004	
Scale:	Project No.:	Report No.:	Drawing No.:
AS SHOWN	13968-00	108	M-01

NO	Revision	Date	Initial
1	DETAIL 4 AND SECTION D HDPE ELBOW 90° ADDED AS SHOWN	AUG 20, 2004	AW
2	REVISED PIPING AND PLATFORM TO REFLECT AS CONSTRUCTED ROOF SLAB	OCT 22, 2004	DP



ROOF PLAN
1/2"=1'-0"

DETAIL 4 WELL PLAN
1/2"=1'-0"

PLATFORM FRAMING

ALL WETWELL PIPING TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

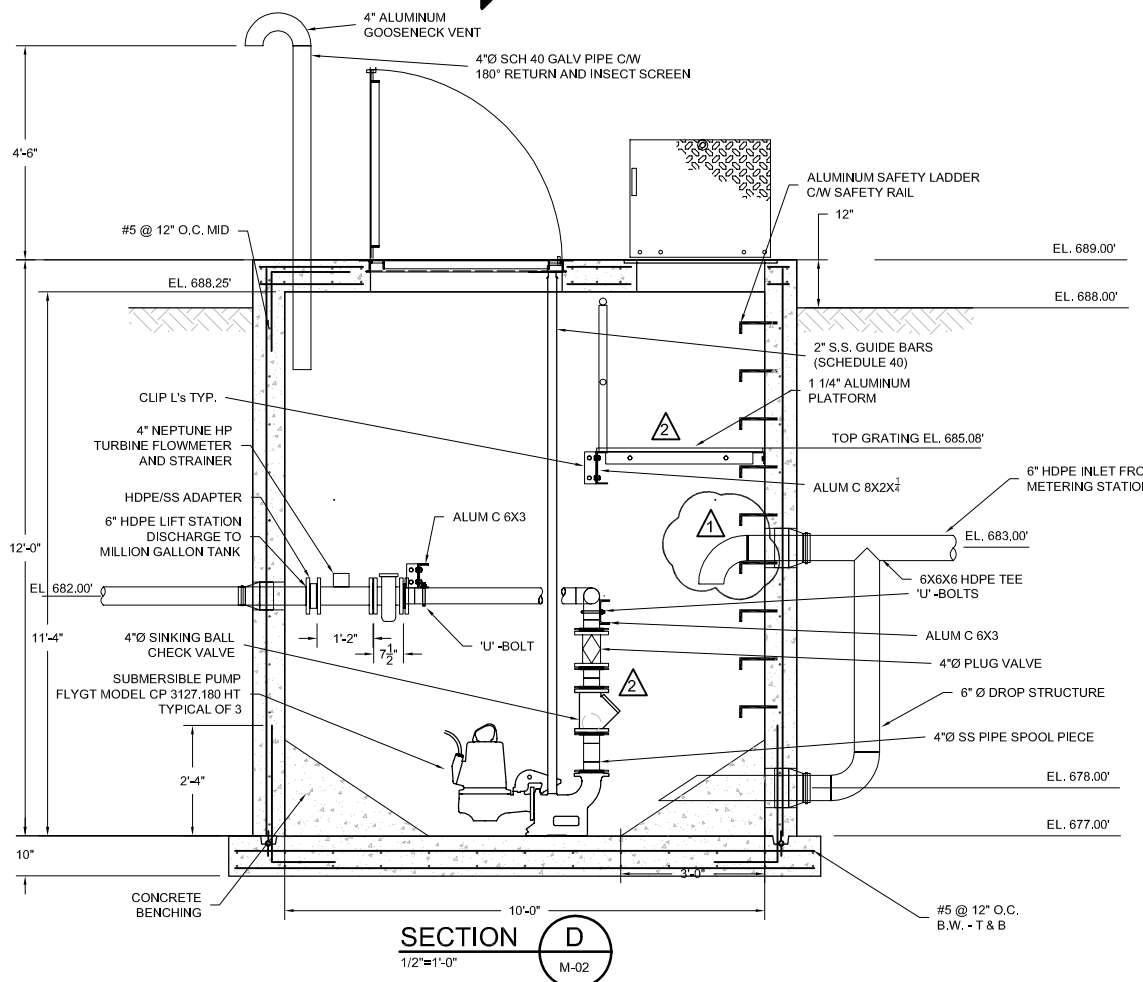
DRAWING STATUS		
Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
MGT LIFT STATION

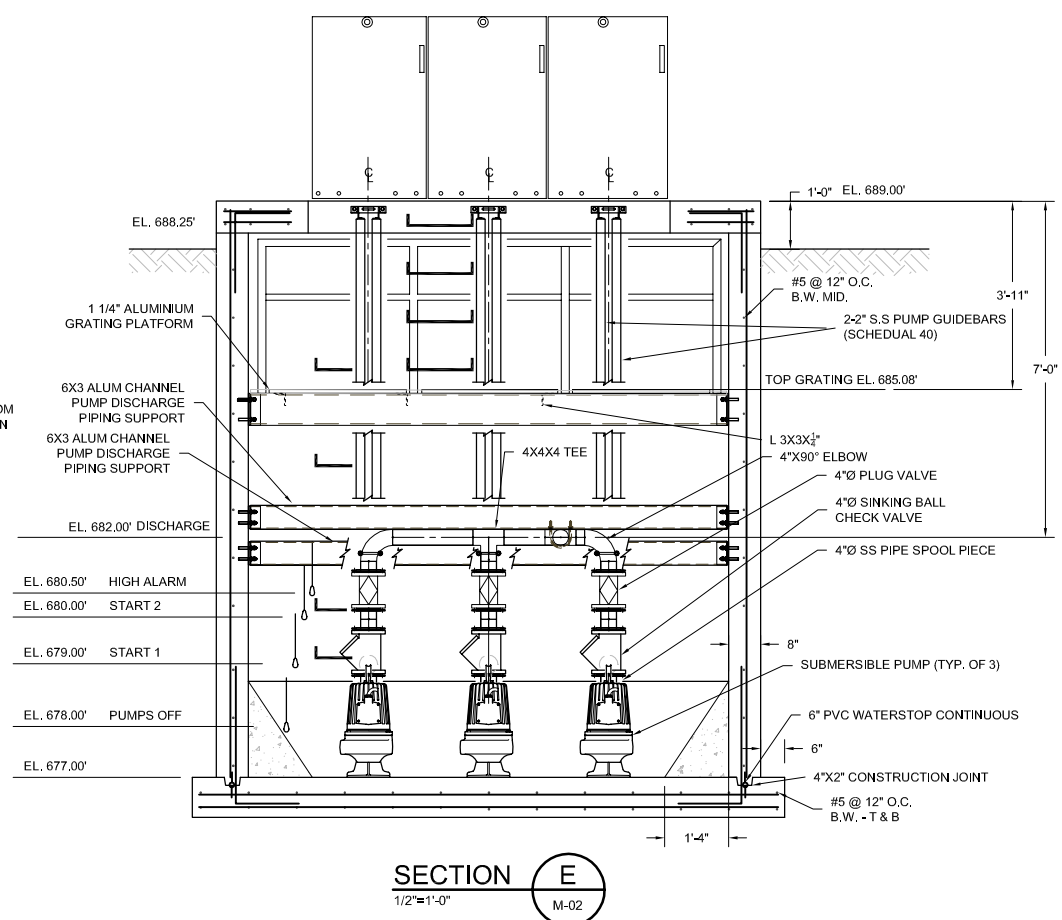
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

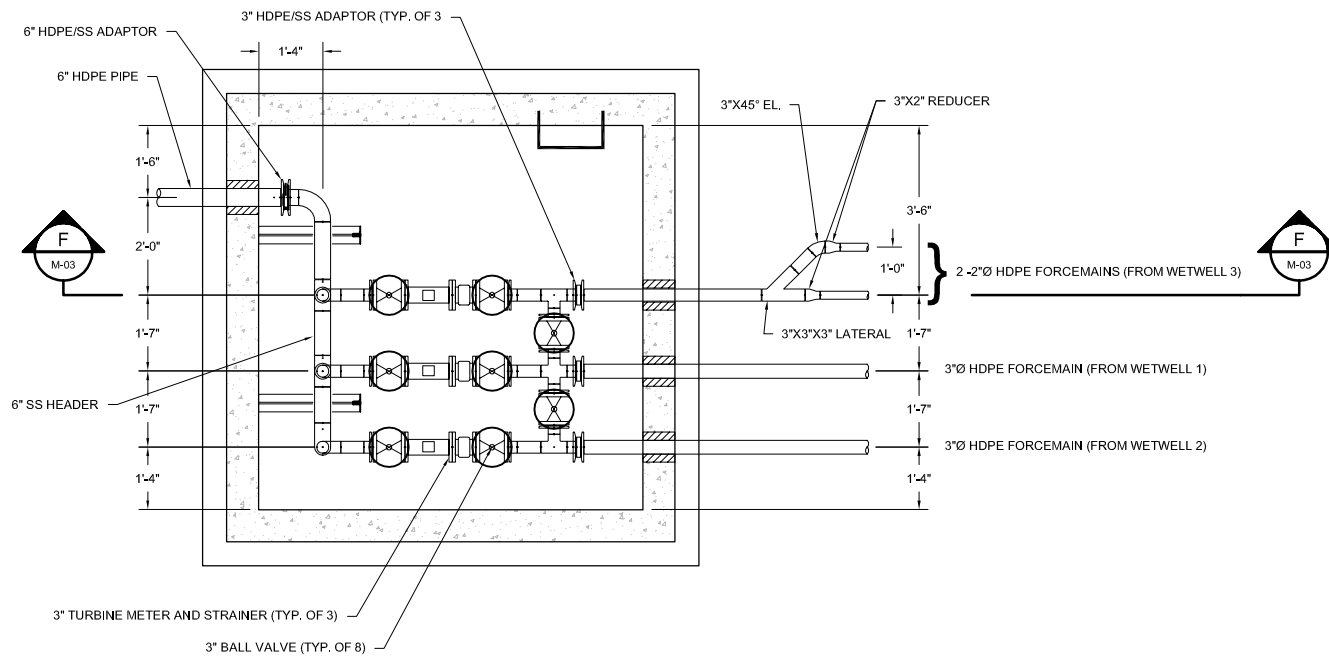
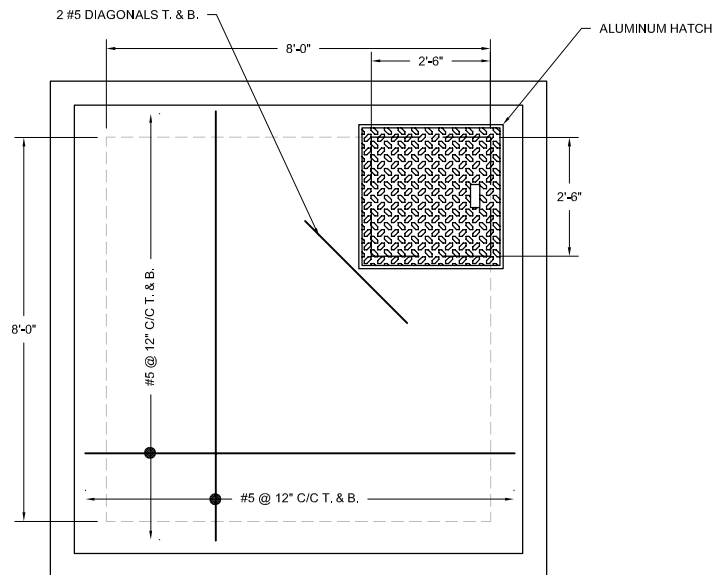
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: 1/2"=1'-0"	Project NR: 13968-00	Report NR: 108 Drawing NR: M-02



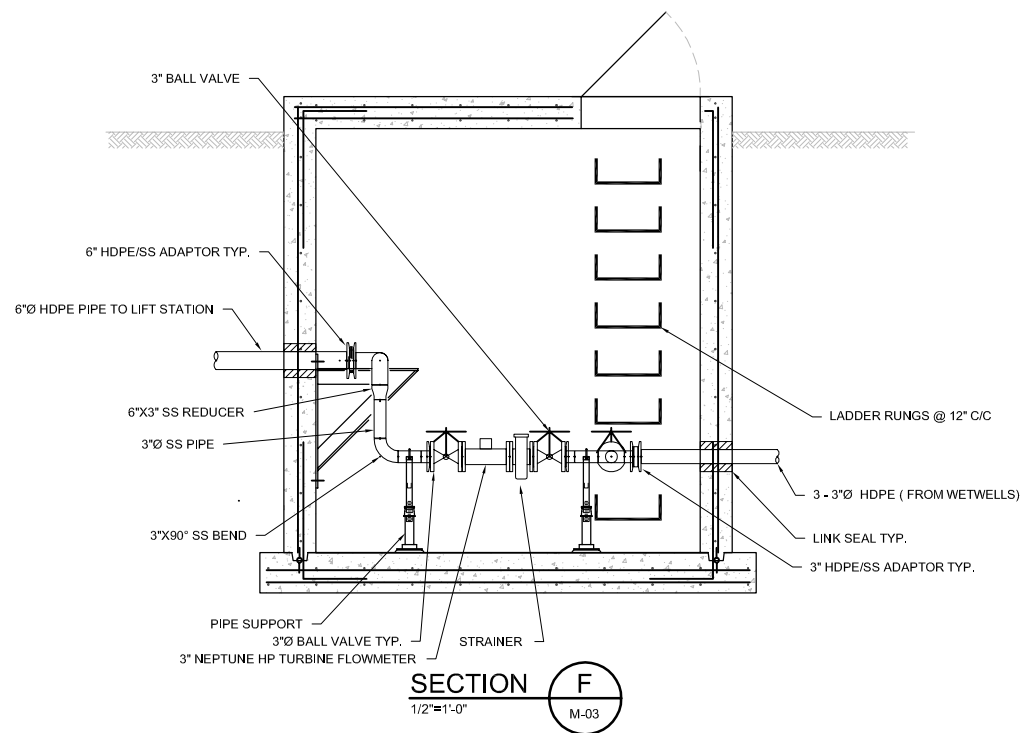
SECTION D
1/2"=1'-0"



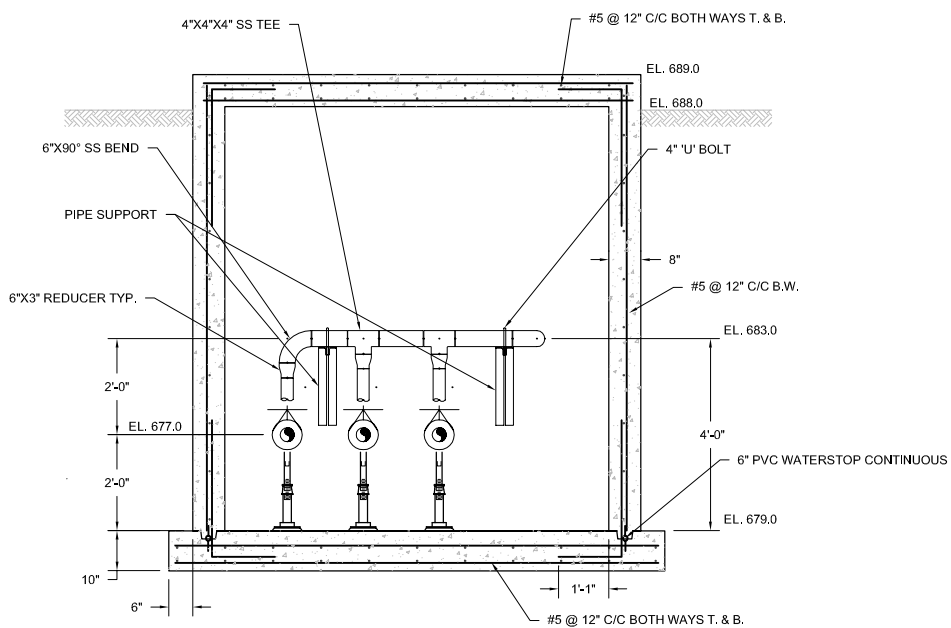
SECTION E
1/2"=1'-0"



DETAIL 5
1/2" = 1'-0"
C-06



SECTION F
1/2" = 1'-0"
M-03



SECTION G
1/2" = 1'-0"
M-03

NO	Revision	Date	Initial

NOTE:- ALL CHAMBER PIPING TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN
ADDENDUM NO. 2
WET WELL METERING CHAMBER**



Source Reference:

Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: AS SHOWN	Project NR: 13968-00	Report NR: 108 Drawing NR: M-03

NO	Revision	Date	Initial
1	ADDED KIRK INTERLOCKS	AUG 17, 2004	CRH

NOTES


1) CONTRACTOR SHALL INSTALL THE GROUNDING SYSTEM FOR THE POWER DISTRIBUTION SYSTEM IN MGT LIFT PUMPING STATION IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE BULLETINS.

2) OVERHEAD LINE TO BE THREE COMPACT ALUMINUM, POLYETHYLENE INSULATED PVC JACKETED PHASE CONDUCTORS CABLED AROUND ONE 100% ACSR NEUTRAL SUPPORT CONDUCTOR. SIZE #110AWG, RATED FOR 600V.

3) KIRK INTERLOCKS TO BE ADDED FOR THE FUSED DISCONNECTS AS SHOWN, TO ENSURE THE DISCONNECT SWITCH FOR MGT LIFT STATION WILL NOT BE ABLE TO TURN OFF IF ANY ONE OF THREE DISCONNECT SWITCHES FOR WET WELLS IS ON.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.



Approved _____


DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**

ADDENDUM NO. 2

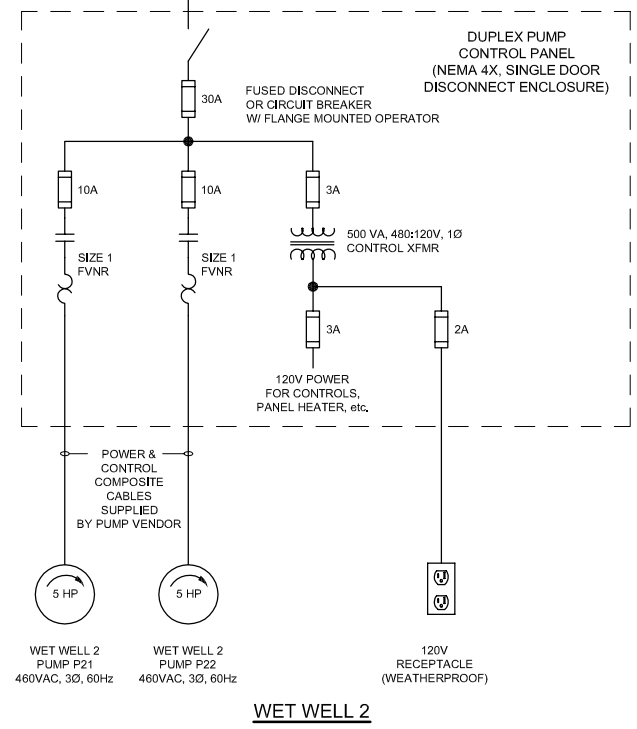
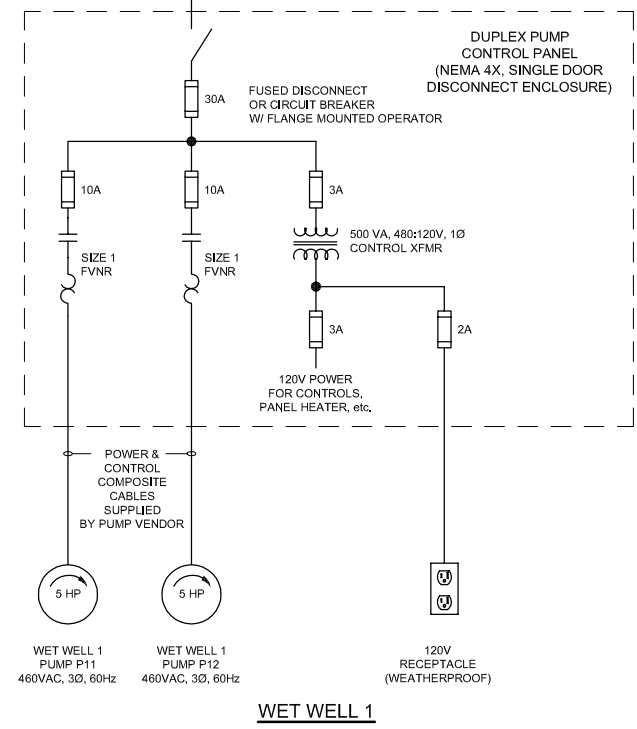
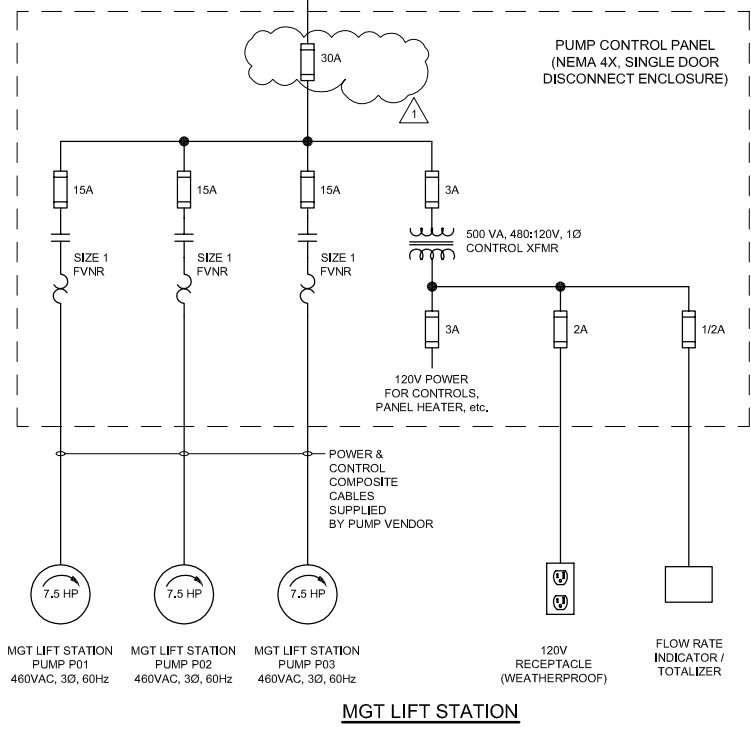
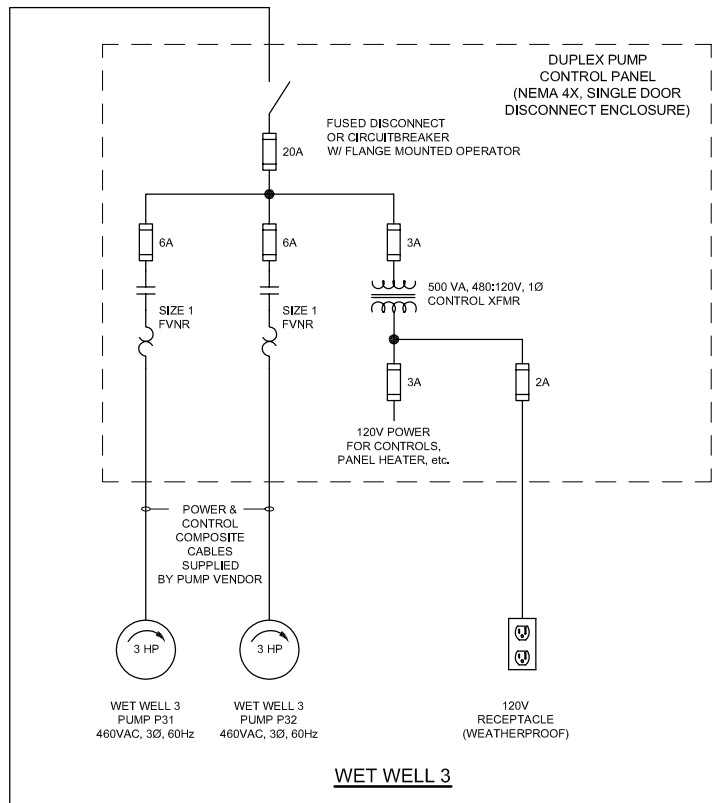
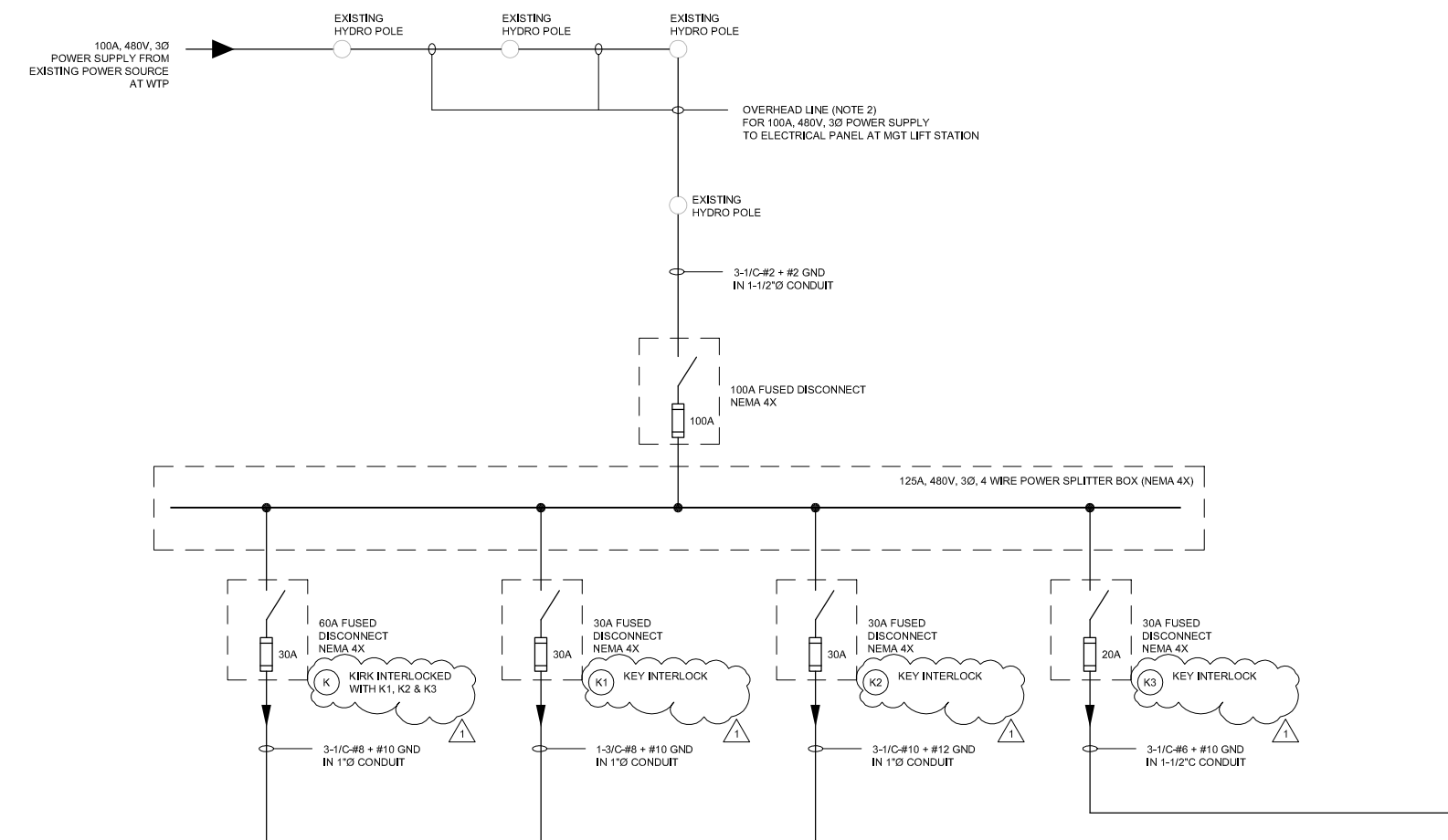
**ELECTRICAL
SINGLE LINE DIAGRAM**



CONESTOGA-ROVERS & ASSOCIATES

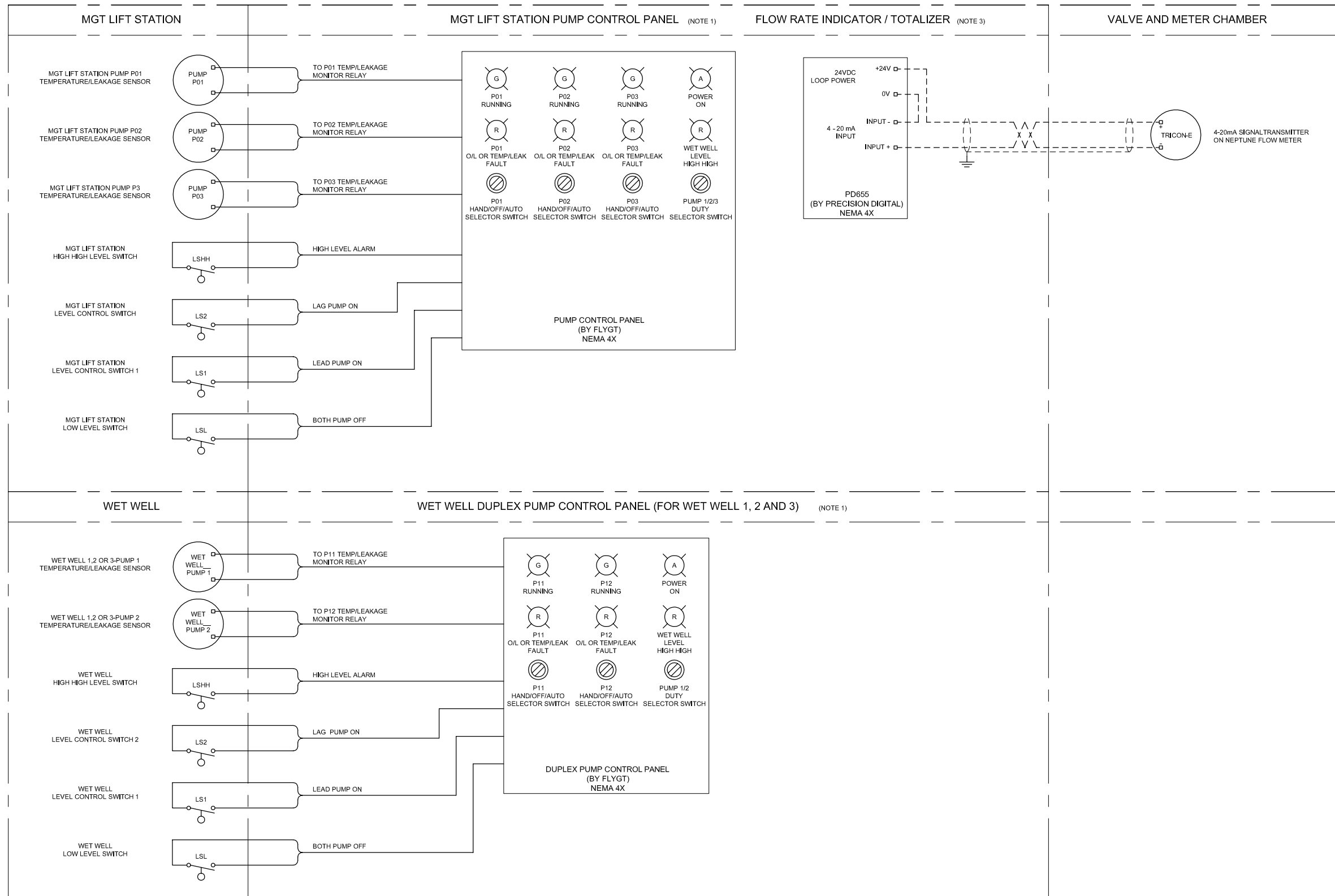
Source Reference:

Project Manager:	Reviewed By:	Date:
J.M.	J.D.	JULY 2004
Scale:	Project NR:	Report NR:
NTS	13968-00	108
		E-01



POWER DISTRIBUTION SINGLE LINE DIAGRAM

NO	Revision	Date	Initial



FIELD SIGNAL LOOPS DIAGRAM FOR LIFT STATION AND WET WELLS

- NOTES:**
- 1) THE PUMP CONTROL PANEL SHALL ACCOMMODATE THE CONTROLS AND POWER SUPPLIES SHOWN ON THE DRAWING. THE SUBMERSIBLE OVER-TEMPERATURE & LEAKAGE PROTECTION TO BE DONE IN ACCORDANCE WITH THE PUMP MANUFACTURER'S REQUIREMENT.
 - 2) CONTROL PANEL TO BE NEMA 4X AND BUILT SUITABLE FOR OUTDOOR USE IN THE ENVIRONMENT OF AMBIENT TEMPERATURE -20°C TO +60°C.
 - 3) FLOW INDICATOR / TOTALIZER TO BE DURABLE NEMA 4X ENCLOSED AND SUITABLE FOR OUTDOOR USE IN THE ENVIRONMENT OF AMBIENT TEMPERATURE -20°C TO +60°C. THE SIGNAL LOOP DIAGRAM SHOWN ABOVE IS BASED ON THE PRODUCT BY PRECISION DIGITAL, MODEL PD655.

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

--	--

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH

GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN
ADDENDUM NO. 2
ELECTRICAL
CONTROL SCHEMATICS

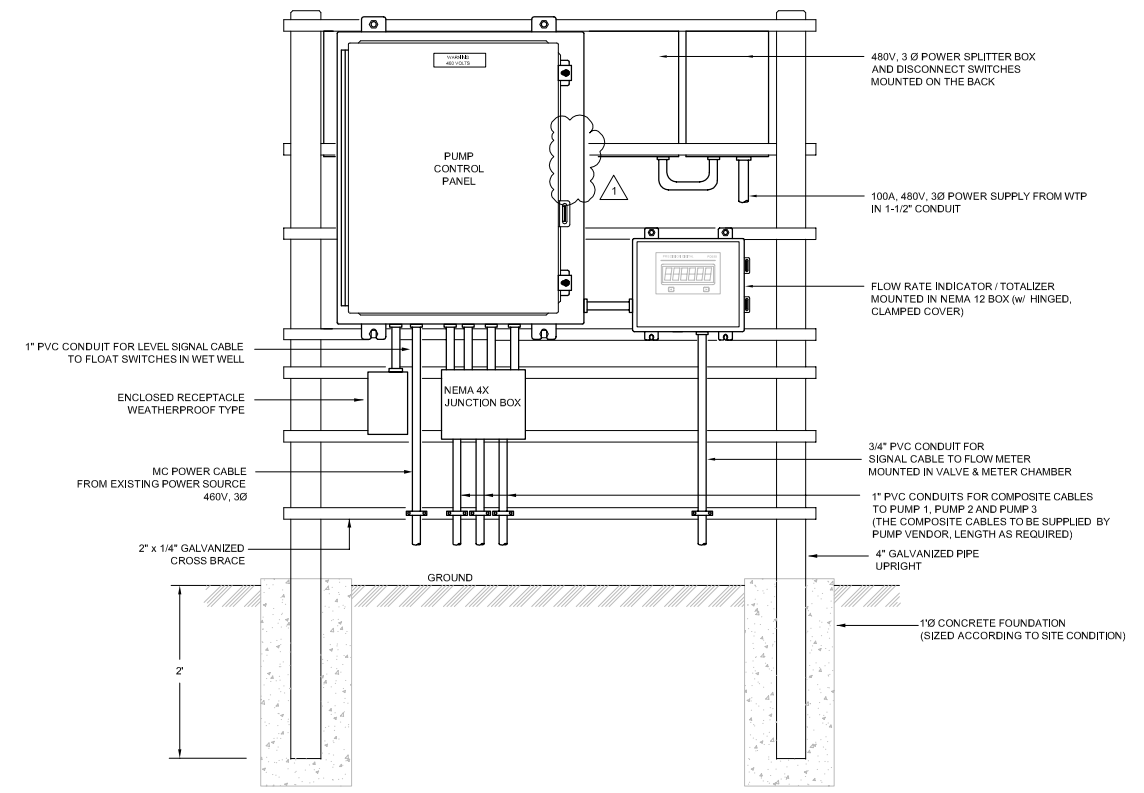
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

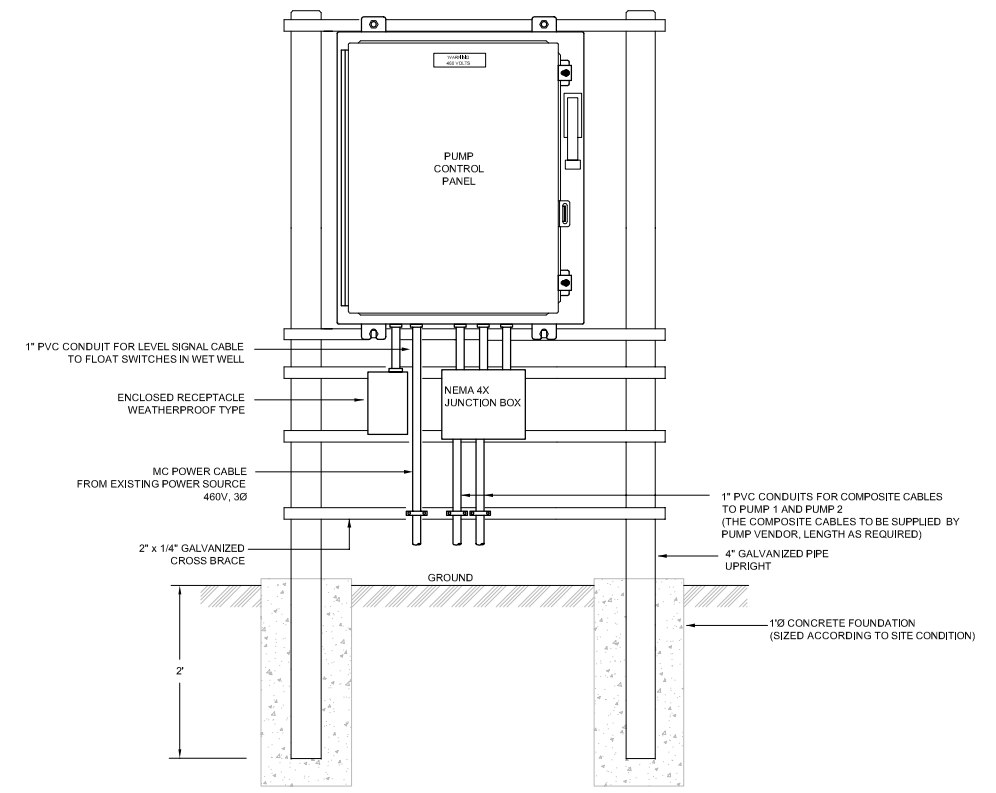
Project Manager: J.M.	Reviewed By: J.D.	Date: JULY 2004
Scale: NTS	Project N°: 13968-00	Report N°: 108 Drawing N°: E-02

NO	Revision	Date	Initial
1	ADDED KIRK INTERLOCKS	AUG 17, 2004	CRH

NOTES:
1) THE INSTALLATION DETAILS OF PUMP CONTROL PANEL SHOWN ABOVE ARE FOR INFORMATION ONLY.



DETAIL 1 PUMP CONTROL PANEL INSTALLATION
FOR MGT LIFT STATION
N.T.S. C-06



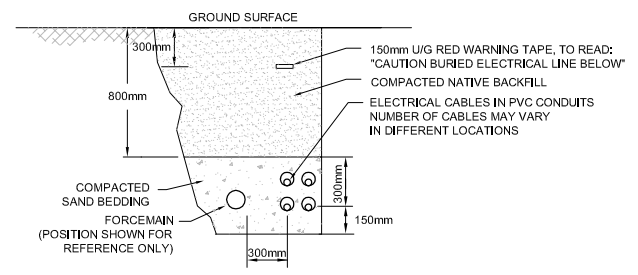
DETAIL 2 PUMP CONTROL PANEL INSTALLATION
FOR WET WELL 1, 2 AND 3
N.T.S. C-04, C-05

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

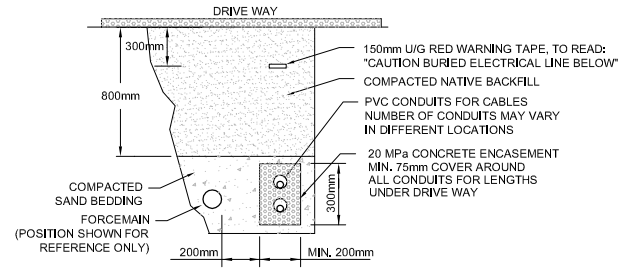
Approved

DRAWING STATUS

Status	Date	Initial
ISSUED FOR EPA/IDEM REVIEW	JULY 29, 2004	CRH
ISSUED FOR CLIENT REVIEW	JULY 19, 2004	CRH



DETAIL 3 CABLE TRENCH
TYPICAL
N.T.S. C-05, C-06, C-08



DETAIL 4 CABLE TRENCH FOR ROAD CROSSING
TYPICAL
N.T.S. C-05, C-06, C-08

**GM BEDFORD REMOVAL ACTION
SITE SOURCE CONTROL PLAN**
ADDENDUM NO. 2
**ELECTRICAL CABLE TRENCH AND
PANEL INSTALLATION DETAILS**



Source Reference:

Project Manager:	Reviewed By:	Date:	
J.M.	J.D.	JULY 2004	
Scale:	Project N ^o :	Report N ^o :	Drawing N ^o :
NTS	13968-00	108	E-03