

SECTION 00030

ADVERTISEMENT FOR BIDS

EATON COUNTY DRAIN COMMISSIONER

CARRIER CREEK DRAIN

DIVISIONS I THRU IX

1. RECEIPT OF BIDS

Braden L. Harrington, Eaton County Drain Commissioner, the OWNER, will receive sealed Bids for construction of the Carrier Creek Drain at the Best Western Midway Hotel, **7711 W. Saginaw Hwy., Lansing, Michigan**. No Bids will be received after the time stated below. Bids will be publicly opened and read aloud at the dates and times shown below:

<u>Description</u>	<u>Date</u>	<u>Local Time of Bid Opening</u>
Division I - Construction North of I-496	8/04/04	9:00 A.M.
Division II – Concrete Box Culverts South of I-496	8/04/04	11:00 A.M.
Division III – Storm Sewer Construction South of I-496	8/04/04	1:00 P.M.
Division IV – Open Drain Construction	8/04/04	3:00 P.M.
Division V - Detention Areas A, B, and G	8/05/04	9:00 A.M.
Division VI – Detention Area E	8/05/04	11:00 A.M.
Division VII – Detention Area F	8/05/04	1:00 P.M.
Division VIII – Detention Areas E, F, and G Wetland Mitigation	8/05/04	3:00 P.M.
Division IX – Electrical	8/05/04	4:00 P.M.

2. SCOPE OF PROJECT

The Project consists of furnishing all supplies and construction of the following approximate quantities with appurtenances:

DIVISION I- CONSTRUCTION NORTH OF I-496

MICHIGAN AVENUE - E AND W 1/4 LINE SECTION 15 DELTA CHARTER TOWNSHIP

108	Lin. Ft.	16' Span x 8' Rise Concrete Box Culvert
1	Lump Sum	MDOT Headwall Detail IV 91B 72" w/Grate
48	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail A
72	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail B
100	Lin. Ft.	15" C 76-III R.C.P. Storm Sewer, Trench Detail A
500	Lin. Ft.	36" C 76-III R.C.P. Storm Sewer, Trench Detail A
560	Lin. Ft.	60" C 76-III R.C.P. Storm Sewer, Trench Detail B
3	Each	6' Dia. Storm Sewer Manhole
1	Each	8' Dia. Storm Sewer Manhole
3	Each	4' Dia. Storm Sewer Manhole/Catchbasin
2	Each	8' Dia. Storm Sewer Manhole/Catchbasin
1	Each	Manhole Tee 60"
1295	Sq. Yd.	Heavy Riprap
1	Lump Sum	Embankment C.I.P.

1	Each	Raise Existing 5' Dia. Sanitary Manhole
1100	Lin. Ft.	20" Class 51 D.I. Watermain w/Polywrap, Trench Detail A
1	Each	Stream Restoration Detail 15 Riffle Zone
0.3	Acre	Topsoil, 4"
10	Each	Boulders, 4'-6' Dia.
<u>WILLOW HIGHWAY - NORTH LINE SECTION 10 DELTA CHARTER TOWNSHIP</u>		
148	Lin. Ft.	24' Span x 8' Rise Concrete Box Culvert
300	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail A
72	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail B
24	Lin. Ft.	24" C 76-III R.C.P. Storm Sewer, Trench Detail B
56	Lin. Ft.	36" C 76-III R.C.P. Storm Sewer, Trench Detail B
6	Each	4' Dia. Storm Sewer Manhole/Catchbasin
1	Each	4' Dia. Storm Sewer Manhole
1	Each	5' Dia. Storm Sewer Manhole/Catchbasin
1	Each	5' Dia. Storm Sewer Manhole
56	Lin. Ft.	12" CMP Culvert
330	Lin. Ft.	10" Class 52 D.I. Watermain w/Polywrap, Trench Detail A
580	Lin. Ft.	14" Class 52 D.I. Watermain w/Polywrap, Trench Detail A
2	Each	10" Gate Valve & Box
1	Each	14" Gate Valve & Box
1	Each	Stream Restoration Detail 19 J-Hook
300	Sq. Yd.	Heavy Riprap
700	Lin. Ft.	30" C 76-III R.C.P. Sanitary Sewer, Trench Detail A
3	Each	5' Dia. Sanitary Manhole
1	Each	6' Dia. Sanitary Manhole
300	Lin. Ft.	Concrete Curb and Gutter
300	Sq. Ft.	4" Concrete Sidewalk
100	Cu. Yd.	Flowable Fill 18" Sanitary
30	Cu. Yd.	Flowable Fill 10" Sanitary
50	Cu. Yd.	Flowable Fill 14" Watermain
16	Cu. Yd.	Flowable Fill 10" Watermain
2	Each	Blowoff Hydrant Assembly
3600	Sq. Yd.	Granular Subbase, 12" MDOT Class II
3800	Sq. Yd.	Aggregate Base 8" MDOT 22A
1000	Sq. Yd.	Aggregate Shoulder 8" MDOT 22A
300	Ton	Hot Mix Asphalt, MDOT 3C
750	Ton	Hot Mix Asphalt, MDOT 4C
80	Lin. Ft.	Stream Restoration Detail 6 Narrow Channel with Rock Riprap
60	Lin. Ft.	Stream Restoration Detail 12 New Channel
1	Each	Stream Restoration Detail 15 Riffle Zone
2	Each	Stream Restoration Detail 17 Cross Vane
<u>OUTLET AT STATION 120+83</u>		
70	Sq. Yd.	Heavy Riprap
800	Lin. Ft.	Grass Lined Channel 10' Bottom Width
1	Each	Stilling Basin
3	Each	MDOT Headwall Detail IV 90C 60" with Grate
1	Each	MDOT Headwall Detail IV 85D w/Baffle Wall
530	Lin. Ft.	60" C 76-III R.C.P. Storm Sewer, Trench Detail B
100	Lin. Ft.	15" C 76-III R.C.P. Storm Sewer, Trench Detail B
120	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail A
140	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail B
100	Lin. Ft.	10" SDR 26 P.V.C. Storm Sewer, Trench Detail B
2	Each	8' Dia. Storm Sewer Manhole

1	Each	6' Dia. Storm Sewer Manhole
8	Each	4' Dia. Storm Sewer Manhole/Catchbasin
1	Each	4' Dia. Storm Sewer Manhole
1	Each	Manhole Tee 60"
450	Lin. Ft.	Rock Lined Channel 6' Wide
1	Each	Gabion Basket Cascades
270	Lin. Ft.	Rock Lined Channel with Gabion Basket Sidewalls
36	Lin. Ft.	Gabion Basket Channel
500	Sq. Yd.	Gabion Mattress Slope Restoration
110	Lin. Ft.	Gabion Basket Toe Wall
240	Lin. Ft.	Concrete Curb and Gutter
450	Sq. Yd.	Granular Subbase, 12" MDOT Class II
450	Sq. Yd.	Aggregate Base, 8" MDOT 22A
72	Lin. Ft.	12" Double Wall Perforated HDPE Storm Sewer
40	Each	Tree Removal 8"-18"
10	Each	Tree Removal 19"-36"
1	Each	Lower Existing Watermain 8"
40	Ton	Hot Mix Asphalt, MDOT 3C
40	Ton	Hot Mix Asphalt, MDOT 4C
3800	Sq. Yd.	Mulch Blanket, North American Green DS-150

DIVISION II - CONCRETE BOX CULVERTS SOUTH OF I-496

CANAL ROAD CROSSING - STATION 27+66

108	Lin. Ft.	14' Span x 8' Rise Concrete Box Culvert
50	Lin. Ft.	8" Class 52 D.I. Sanitary Sewer
2	Each	5' Dia. Sanitary Sewer Manhole
110	Lin. Ft.	30" C 76-III R.C.P. Storm Sewer
1	Each	6' Dia. Storm Sewer Manhole
1	Each	6' Dia. Storm Sewer Manhole/ Catch Basin
330	Sq. Yd.	Aggregate Base, 8"
1	Each	Lower Existing Watermain 20"
120	Sq. Yd.	Plain Riprap

CENTRAL CIRCLE DRIVE CROSSING - STATION 53+68

102	Lin. Ft.	14' Span x 8' Rise Concrete Box Culvert
72	Lin. Ft.	36" C 76-III R.C.P. Storm Sewer, Trench Detail B
32	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail A
350	Sq. Yd.	Bituminous Road Restoration
180	Lin. Ft.	Concrete Curb and Gutter Restoration
100	Sq. Yd.	Plain Riprap

WALNUT GROVE CROSSING - STATION 88+17

66	Lin. Ft.	12' Span x 8' Rise Concrete Box Culvert
130	Sq. Yd.	Aggregate Base, 8"
120	Lin. Ft.	Split Rail Fence
70	Sq. Yd.	Plain Riprap

MT. HOPE HIGHWAY CROSSING - STATION 37+02

96	Lin. Ft.	14' Span x 8' Rise Concrete Box Culvert
62	Lin. Ft.	48" C 76-III R.C.P. Storm Sewer, Trench Detail A
1	Each	8' Dia. Storm Sewer Manhole
330	Sq. Yd.	Bituminous Road Restoration
100	Sq. Yd.	Plain Riprap

R. BOWLIN DRIVE CROSSING - STATION 108+26

66	Lin. Ft.	10' Span x 7' Rise Concrete Box Culvert
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100	Lin. Ft.	24" C 76-III R.C.P. Storm Sewer, Trench Detail A
2	Each	5' Dia. Storm Sewer Manhole/ Catch Basin
160	Sq. Yd.	Gravel Drive Restoration
100	Sq. Yd.	Bituminous Road Restoration
100	Sq. Yd.	Plain Riprap
<u>ACCESS DRIVE CROSSING - STATION 66+03</u>		
66	Lin. Ft.	12' Span x 8' Rise Concrete Box Culvert
210	Sq. Yd.	Gravel Drive Restoration
100	Sq. Yd.	Plain Riprap

DIVISION III - STORM SEWER CONSTRUCTION SOUTH OF I-496

CANAL ROAD BRANCH OF THE CARRIER CREEK DRAIN

709	Lin. Ft.	12" SDR 26 P.V.C. Storm Sewer, Trench Detail A
132	Lin. Ft.	18" C 76-III R.C.P. Storm Sewer, Trench Detail A
1200	Lin. Ft.	30" C 76-III R.C.P. Storm Sewer, Trench Detail A
858	Lin. Ft.	24" C 76-III R.C.P. Storm Sewer, Trench Detail A
16	Each	2' Dia. P.V.C. Storm Sewer Catchbasin
9	Each	5' Dia. Storm Sewer Manhole
5	Each	4' Dia. Storm Sewer Manhole/Catchbasin
2	Each	Lower Existing Watermain, 10" and larger
8	Each	Lower Existing Sanitary Sewer Service
200	Lin. Ft.	Concrete Curb and Gutter
10000	Sq. Yd.	Granular Subbase, 12"
6000	Sq. Yd.	Aggregate Base, 8"
1000	Ton	Hot Mix Asphalt, MDOT 2C, 4"
5500	Ton	Hot Mix Asphalt, MDOT 3C, 2"
5500	Ton	Hot Mix Asphalt, MDOT 4C, 2"
1000	Sq. Yd.	Gravel Shoulder
600	Sq. Yd.	Concrete Drive Restoration
600	Sq. Yd.	Bituminous Drive Restoration

LOW FLOW DRAIN TO THE SOUTH BRANCH CARRIER CREEK & BRANCH NO. 4

100	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail B
140	Lin. Ft.	24" C 76-V R.C.P. Storm Sewer, Trench Detail B
600	Lin. Ft.	36" C 76-V R.C.P. Storm Sewer, Trench Detail B
6200	Lin. Ft.	36" C 76-III R.C.P. Storm Sewer, Trench Detail B
1000	Lin. Ft.	36" C 76-III R.C.P. Storm Sewer, Trench Detail C
500	Lin. Ft.	36" Polymer Coated C.S.P. Storm Sewer, Trench Detail D
290	Lin. Ft.	42" C 76-III R.C.P. Storm Sewer, Trench Detail B
60	Lin. Ft.	29"x 45" C 507-IV R.E.C.P. Storm Sewer, Trench Detail B
10	Each	5' Dia. Storm Sewer Manhole
6	Each	6' Dia. Storm Sewer Manhole
2	Each	7' Dia. Storm Sewer Overflow Manhole / Catchbasin
6	Each	5' Dia. Storm Sewer Overflow Manhole / Catchbasin
4	Each	6' Dia. Storm Sewer Overflow Manhole/Catchbasin
1	Each	Diversion Chamber
155	Lin. Ft.	54" Steel Casing Pipe and 36" C 76-V R.C.P. Storm Sewer

BRANCH NO. 1 LOW FLOW DRAIN

48	Lin. Ft.	18" C 76-III R.C.P. Storm Sewer, Trench Detail B
48	Lin. Ft.	30" C 76-III R.C.P. Storm Sewer, Trench Detail B
2500	Each	36" C 76-III R.C.P. Storm Sewer, Trench Detail B
8	Each	5' Dia. Storm Sewer Manhole/Catchbasin
1	Each	6' Dia. Storm Sewer Manhole/Catchbasin
1	Each	Sedimentation Basin

BRANCH NO. 3 LOW FLOW DRAIN

90	Lin. Ft.	12" C 76-III R.C.P. Storm Sewer, Trench Detail B
1400	Lin. Ft.	36" C 76-III R.C.P. Storm Sewer, Trench Detail B
4	Each	5' Dia. Storm Sewer Manhole
4	Each	4' Dia. Storm Sewer Manhole/Catchbasin

MOON & HAMILTON BRANCH OF THE CARRIER CREEK DRAIN

1	Each	MDOT Headwall Detail IV 90C 54" W/ Grate
450	Lin. Ft.	54" C 76-III R.C.P. Storm Sewer, Trench Detail B
72	Lin. Ft.	54" C 76-III R.C.P. Storm Sewer, Trench Detail A
460	Lin. Ft.	24" C 76-IV R.C.P. Storm Sewer, Trench Detail B
72	Lin. Ft.	18" C 76-IV R.C.P. Storm Sewer, Trench Detail A
1550	Lin. Ft.	42" Polymer Coated C.S.P. Storm Sewer, Trench Detail D
200	Lin. Ft.	12" Polymer Coated C.S.P. Storm Sewer, Trench Detail B
960	Lin. Ft.	36" Polymer Coated C.S.P. Storm Sewer, Trench Detail B
2	Each	7' Dia. Storm Sewer Manhole on Helical Piers
3	Each	7' Dia. Storm Sewer Manhole/Catchbasin
2	Each	10' Dia. Storm Sewer Manhole/Catchbasin
100	Sq. Yd.	Heavy Riprap
8	Each	6' Dia. Storm Sewer Manhole/Catchbasin
1	Each	MDOT Headwall Detail R-85-C 18" W/O Baffle Wall
26	Cu. Yd.	Flowable Fill Existing 16" Storm Sewer
90	Sq. Yd.	Bituminous Road Restoration

OTHER

3585	Lin. Ft.	Channel Clearing, Grubbing, and Snagging-Station 1+45 to 37+00
702	Sq. Yd.	Plain Riprap
500	Cu. Yd.	Subgrade Undercutting & Backfilling
40	Lin. Ft.	Cobblestone Streambed Protection

DIVISION IV - OPEN DRAIN CONSTRUCTION

OPEN DRAIN CONSTRUCTION

10000	Lin. Ft.	Open Channel Excavation
4500	Lin. Ft.	Channel Clearing, Grubbing and Snagging, Detail G
2200	Lin. Ft.	Spoil Hauling
7380	Lin. Ft.	Spoil Leveling

DRAIN CROSSINGS (Main Branch of Carrier Creek Drain)

No. 1 - STATION 23+15 - Foot Bridge

1	Lump Sum	Remove Existing Structure
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No. 3 - STATION 35+00 - Farm Crossing

60	Lin. Ft.	164" Span x 105" Rise C.M.P.A. (3" x 1" Corr., 8 Ga. with Beveled Ends)
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No. 8 - STATION 75+81 - Farm Crossing

1	Lump Sum	Remove Existing Structure
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No. 9 - STATION 80+05 - Foot Bridge

1	Lump Sum	Remove Existing Structure
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No. 11 - STATION 91+28 - Farm Crossing

54	Lin. Ft.	142" Span x 91" Rise C.M.P.A. (3" x 1" Corr., 8 Ga. with Beveled Ends)
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No. 12 - STATION 95+17 - Farm Crossing

68	Lin. Ft.	142" Span x 91" Rise C.M.P.A. (3" x 1" Corr., 8 Ga. with Beveled Ends)
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No. 13 - STATION 99+94 - Farm Crossing

68	Lin. Ft.	142" Span x 91" Rise C.M.P.A. (3" x 1" Corr., 8 Ga. with Beveled Ends)
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No. 15 - STATION 114+76 - Drive Crossing

56	Lin. Ft.	112" Span x 75" Rise C.M.P.A. (3" x 1" Corr., 10 Ga. with Beveled Ends)
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56	Lin. Ft.	112" Span x 75" Rise C.M.P.A. (3" x 1" Corr., 10 Ga. with Beveled Ends)
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No. 16 - STATION 120+82 Farm Crossing

56	Lin. Ft.	112" Span x 75" Rise C.M.P.A. (3" x 1" Corr., 10 Ga. with Beveled Ends)
56	Lin. Ft.	112" Span x 75" Rise C.M.P.A. (3" x 1" Corr., 10 Ga. with Beveled Ends)

DIVISION V – DETENTION AREAS A, B, and G

DETENTION AREA A

1	Lump Sum	Strip and Stockpile Topsoil
1	Lump Sum	Embankment Construction
3300	Sq. Yd.	Articulated Concrete Mat
1	Lump Sum	Inlet Control Structure
89	Lin. Ft.	8' Span x 5' Rise Concrete Box Culvert
440	Lin. Ft.	Open Channel Excavation
440	Lin. Ft.	Spoil Hauling

DETENTION AREA B

1	Lump Sum	Strip and Stockpile Topsoil
1	Lump Sum	Embankment Construction
2000	Sq. Yd.	Articulated Concrete Mat
87	Lin. Ft.	10' Span x 6' Rise Concrete Box Culvert
300	Lin. Ft.	Open Channel Excavation
300	Lin. Ft.	Spoil Hauling

DETENTION AREA G

1	Lump Sum	Earth Excavation
1.7	Acre	Wetland Topsoil, 18"
1	Lump Sum	Water Level Control Structure

ACCESS ROADWAY

1	Lump Sum	Roadway Embankment & Cut
2594	Sq. Yd.	Granular Subbase, 12 "
7312	Sq. Yd.	Aggregate Base, 4"
1208	Ton	Hot Mix Asphalt, MDOT 3C, 3"
604	Ton	Hot Mix Asphalt, MDOT 4C, 1 1/2"

DIVISION VI - DETENTION AREA E

1	Lump Sum	Strip and Remove Wetland Topsoil, 18"
1	Lump Sum	Strip and Stockpile Topsoil, 12"
1	Lump Sum	Earth Excavation
2	Each	Equalizing Weir
30000	Cu. Yd.	Embankment Construction
6	Acre	Wetland Topsoil, 18"
10	Acre	Subgrade Undercutting and Topsoil Fill
1	Lump Sum	Inlet Control Structure
80	Lin. Ft.	18" C 76-III R.C.P. Storm Sewer, Trench Detail B

DETENTION AREA E - OUTLET CONTROL STRUCTURE/ PUMP STATION

1	Lump Sum	Outlet Control Structure/Pump Station
1	Lump Sum	Pump Station Inlet Structure
105	Lin. Ft.	30" C 76-III R.C.P. Storm Sewer, Trench Detail B

ACCESS ROAD/WALNUT GROVE ROAD

9300	Sq. Yd.	Granular Subbase, 8"
2475	Sq. Yd.	Granular Subbase, 12"
10400	Sq. Yd.	Aggregate Base, 8"
235	Ton	Hot Mix Asphalt, MDOT 3C, 3"
665	Ton	Hot Mix Asphalt, MDOT 3C, 2"
570	Ton	Hot Mix Asphalt, MDOT 4C, 1 1/2"
5100	Sq. Yd.	Geosynthetic Cellular Drive

2200	Sq. Yd.	Gravel Road Shoulder, 8"
500	Sq. Yd.	Concrete Drive Restoration
500	Sq. Yd.	Bituminous Drive Restoration

DIVISION VII - DETENTION AREA F

EARTH EXCAVATION AND EMBANKMENT

1	Lump Sum	Strip and Stockpile Topsoil
1	Lump Sum	Earth Excavation
1	Lump Sum	Embankment Construction
2	Each	Riffle Zone
12.4	Acre	Wetland Topsoil, 6"
18750	Sq. Yd.	Clay Liner, 4' Thick
12100	Sq. Yd.	Scarify, Blend, and Compact Subgrade

DETENTION AREA F - STORM SEWER

12	Each	4' Dia. Storm Sewer Manhole/ Catchbasin
1200	Lin. Ft.	12" C 76-V R.C.P. Storm Sewer, Trench Detail F
750	Lin. Ft.	18" C 76-III R.C.P. Storm Sewer, Trench Detail B

DETENTION AREA F - CONTROL STRUCTURE/BOX CULVERT

1	Lump Sum	Inlet Control Structure
56	Lin. Ft.	6' Span x 4' Rise Concrete Box Culvert
1	Lump Sum	Outlet Works
500	Sq. Yd.	Heavy Riprap
30	Lin. Ft.	10' Span x 8' Rise Concrete Box Culvert
2	Each	Wetland Control Structure

DETENTION AREA F - EMERGENCY SPILLWAY

600	Sq. Yd.	Articulated Concrete Mat
601	Sq. Yd.	Articulated Concrete Mat Stone Fill

ACCESS ROADWAY

1	Lump Sum	Road Embankment and Cut
3500	Sq. Yd.	Granular Subbase, 12"
3300	Sq. Yd.	Aggregate Base, 8"
3400	Ton	Hot Mix Asphalt, MDOT 3C, 3"
3400	Ton	Hot Mix Asphalt, MDOT 4C, 1 1/2"
2600	Sq. Yd.	Geosynthetic Cellular Drive
1300	Sq. Yd.	Gravel Road, 8"

DIVISION VIII - DETENTION AREAS E, F, AND G WETLAND MITIGATION

WETLAND CONSTRUCTION

22.1	Each	Emergent Wetland Plantings (10 dead logs & 10 snags)
4.63	Acre	Lower Scrub-Shrub Wetland Plantings
7	Acre	Upper Scrub-Shrub Wetland Plantings
2	Acre	Lower Forested Wetland Plantings (1395 plants/acre)
2.3	Acre	Upper Forested Wetland Plantings (405 plants/acre)

UPLAND CONSTRUCTION

1	Lump Sum	Buffer Tree Plantings (130 Red Pine & 130 White Pine)
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DIVISION IX - ELECTRICAL

DETENTION AREAS A, B, E, F, and G

5	Lump Sums	Control and Communication Systems
5	Lump Sums	Power Distribution and General Electrical System
5	Lump Sums	Surveillance System
3	Each	Generator and Automatic Transfer Switch
3	Lump Sums	Surveillance System

OTHER

8000	Cu. Yd.	Subgrade Undercutting and Backfilling
1	Lump Sum	Landscape Seeding
2500	Sq. Yd.	Mulch Blanket, North American Green DS-150
1	Lump Sum	Cleanup and Restoration
1	Lump Sum	Soil Erosion and Sedimentation Control
1	Lump Sum	Seeding
800	Sq. Yd.	Plain Riprap
440	Lin. Ft.	Plain Riprap Spillway
100	Lin Ft.	Plain Riprap Bank Protection
705	Lin Ft.	Cobblestone Streambed Protection
8	Each	6" Field Tile Outlet (Install 20' of 6" C.M.P., 1 1/2" x 1/4" Corr., 16 Ga.)
8	Each	8" Field Tile Outlet (Install 20' of 8" C.M.P., 1 1/2" x 1/4" Corr., 16 Ga.)
8	Each	10" Field Tile Outlet (Install 20' of 10" C.M.P., 1 1/2" x 1/4" Corr., 16 Ga.)
12	Each	12" Field Tile Outlet (Install 20' of 12" C.M.P., 2 2/3" x 1/2" Corr., 16 Ga.)
8	Each	40' of 15" Surface Outlet Tube (C.M.P., 2 2/3" x 1/2" Corr., 16 Ga.)
4	Each	40' of 12" Surface Outlet Tube (C.M.P., 2 2/3" x 1/2" Corr., 14 Ga.)
5	Each	Sedimentation Basin
3	Lump Sums	Seeding
2	Lump Sums	Traffic Control
2	Lump Sums	Site Clearing
2900	Sq. Yd.	Riprap Toe Drainage System
14	Acre	Native Grass and Wildflower Seeding
40100	Sq. Yd.	Mulch Blanket, North American Green DS-150
900	Sq. Yd.	Reinforced Grass Spillway
800	Lin. Ft.	Plain Riprap Spillway
2133	Sq. Yd.	Plain Riprap
1000	Sq. Yd.	Heavy Riprap
6	Each	Cross Vane
3	Lump Sums	Soil Erosion and Sedimentation Control
1	Lump Sum	Cleanup and Restoration

3. FINANCING

The Project will be financed with local funds.

4. EXAMINATION OF DOCUMENTS

Bidding Documents may be examined at the following locations after 1:00 P.M. local time, Tuesday, July 20, 2004.

Spicer Group, Inc., 1400 Zeeb Drive, St. Johns, MI 48879, (989) 224-2355

Spicer Group, Inc., 230 S. Washington Ave., Saginaw, Michigan 48605, (989) 754-4717

Fitzgerald Henne & Associates, Inc., 3125 Sovereign Drive, Suite D, Lansing, MI 48911, (517) 887-1100

Eaton County Drain Commissioner, 1045 Independence Blvd., Charlotte, MI 48813, (517) 485-6444 ext. 214

5. OBTAIN BIDDING DOCUMENTS

Bidding Documents may be obtained at Commercial Blueprint, Inc., 416 N. Cedar Street, Lansing, Michigan, after 1:00 P.M. local time, Tuesday, July 20, 2004, upon payment of a non-refundable deposit as listed:

- Divisions I-IX (Plans and Bid Document Portion of Specifications).....\$75.00/Div.
- General and Supplementary Conditions & Specifications\$75.00
 (Includes All Divisions, Only One Needed), **REQUIRED**
- Geotechnical Data, **OPTIONAL**\$75.00
 (Available For Reference; Includes All Divisions)

All bidders are required to purchase one General and Supplementary Conditions document and Bid documents for each Division for which a Bid is submitted. No Bid documents will be mailed.

6. BID SECURITY

Bid security in the amount, form and subject to the conditions provided in the Instructions to Bidders must be submitted with each Bid.

7. WITHDRAWAL OF BIDS

Bids may not be withdrawn for a period of 180 days after the actual date of opening thereof. This time period may be extended by mutual agreement of the OWNER and any Bidder or Bidders.

8. RIGHT TO REJECT BIDS

The OWNER reserves the right to waive any irregularities or to reject any and all Bids.

9. PREBID CONFERENCE

MANDATORY pre-bid conferences will be held on Tuesday, July 27, 2004, and Wednesday July 28, 2004, at the Best Western Midway Hotel, 7711 W. Saginaw Hwy., Lansing, Michigan according to the following schedule:

<u>Description</u>	<u>Date</u>	<u>Local Time of Pre-Bid Meeting</u>
Division I - Construction North of I-496	7/27/04	8 a.m. – 5 p.m.
Division II – Concrete Box Culverts South of I-496	7/27/04	8 a.m. – 5 p.m.
Division III – Storm Sewer Construction South of I-496	7/27/04	8 a.m. – 5 p.m.
Division IV – Open Drain Construction	7/27/04	8 a.m. – 5 p.m.
Division V - Detention Areas A, B, and G	7/28/04	8 a.m. – 5 p.m.
Division VI – Detention Area E	7/28/04	8 a.m. – 5 p.m.
Division VII – Detention Area F	7/28/04	8 a.m. – 5 p.m.
Division VIII – Detention Areas E, F, and G, Wetland Mitigation	7/28/04	8 a.m. – 5 p.m.
Division IX – Electrical	7/28/04	8 a.m. – 5 p.m.

Prospective Bidders are required to attend and participate in the conference. All Prospective Bidders must sign in by name of attendee and business represented. Only Bids from Bidders in attendance at the pre-bid conference will be opened. All others will be considered nonresponsive.

10. PROJECT MANAGERS

Questions should be addressed to the following regarding the respective division(s):

Division I	Greg Minshall, P.E.	Fitzgerald Henne & Assoc., Inc. 3125 Sovereign Drive, Suite D Lansing, MI 48911 Phone: (517) 887-1100 Cell Phone: (517) 719-2898
Divisions II, III, VI, and VII	Shawn Middleton, P.E.	Spicer Group, Inc., St. Johns Office 1400 Zeeb Drive St. Johns, MI 48879 Phone: (989) 224-2355 Cell Phone: (989) 928-8027
Divisions IV, V, and VIII	Shawn Middleton, P.E.	Spicer Group, Inc., St. Johns Office 1400 Zeeb Drive St. Johns, MI 48879 Phone: (989) 224-2355 Cell Phone: (989) 928-8027
Division IX	Darrick Huff, P.E.	Spicer Group, Inc., Saginaw Office. 230 S. Washington Avenue P.O. Box 1689 Saginaw, MI 48605-1689 Phone: (989) 754-4717 Cell Phone: (989) 239-2967

END OF SECTION