

# CONSTRUCTION PLANS FOR: BRAY FAMILY HOMESTEAD PARK HAMILTON COUNTY PARKS & RECREATION

4528 State Road 38  
Noblesville, IN 46060

## PROJECT INFORMATION

COUNTY: HAMILTON  
TOWNSHIP: WASHINGTON  
SECTION: 20  
TOWNSHIP: 19N  
RANGE: 4E

LOCATION: HINKLE ROAD, NORTH OF THE INTERSECTION OF STATE ROAD 38 AND HINKLE RD.

PROPERTY ACRAGE: 94.3 AC  
DISTURBANCE AREA: 0.9 AC

PLANNING DATA  
THOROUGHFARE: HINKLE RD. - SECONDARY ARTERIAL  
PROPOSED R/W: 55-FOOT HALF R/W

PARKING  
TYPICAL SIZE: 20' x 10'  
STANDARD SPACE COUNT: 45  
ADA SPACE COUNT: 2  
TOTAL PARKING SPACES: 47  
FUTURE PARKING SPACES: 4

## DRAWING INDEX

- L100 COVER SHEET
- L101 SITE LAYOUT & PLANTING PLAN
- L102 SITE GRADING & DRAINAGE PLAN
- L103 EROSION CONTROL MEASURES
- L104 EROSION CONTROL & STORM DETAILS

## LEGAL DESCRIPTION

PARCEL NO. 1. A part of the Northeast Quarter of Section 20, Township 19 North, Range 4 East located in Washington Township, Hamilton County, Indiana, being more specifically described as follows: BEGINNING at the Northeast corner of the Northeast Quarter of Section 20, Township 19 North, Range 4 East; thence South 00 degrees 00 minutes 00 seconds 00 seconds (assumed bearing) 2650.48 feet to the Southeast corner of said Northeast Quarter; thence North 88 degrees 55 minutes 10 seconds West 1071.63 feet on and along the South line of said Northeast Quarter to its Point of Intersection with the center line of State Road #38; thence North 56 degrees 47 minutes 39 seconds West 607.73 feet on and along the center line of State Road #38; thence North 00 degrees 05 minutes 42 seconds East 2337.08 feet parallel with the West line of said Northeast Quarter to a point on the North line of said Northeast Quarter, said point being South 88 degrees 33 minutes 34 seconds East 1083.56 feet from the Northwest corner of said Northeast Quarter; thence South 88 degrees 33 minutes 34 seconds East 1576.76 feet to the POINT OF BEGINNING. Containing 94.34 acres, more or less, being subject to all applicable easements and rights-of-way of record.

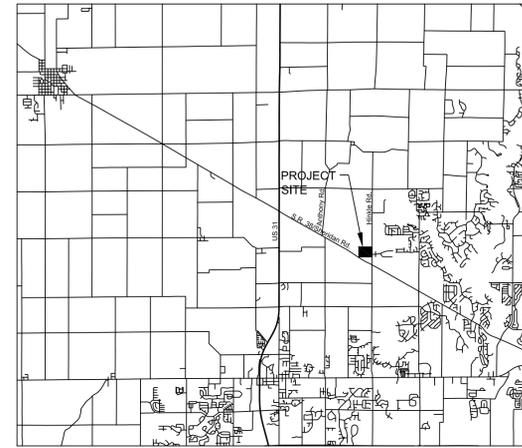
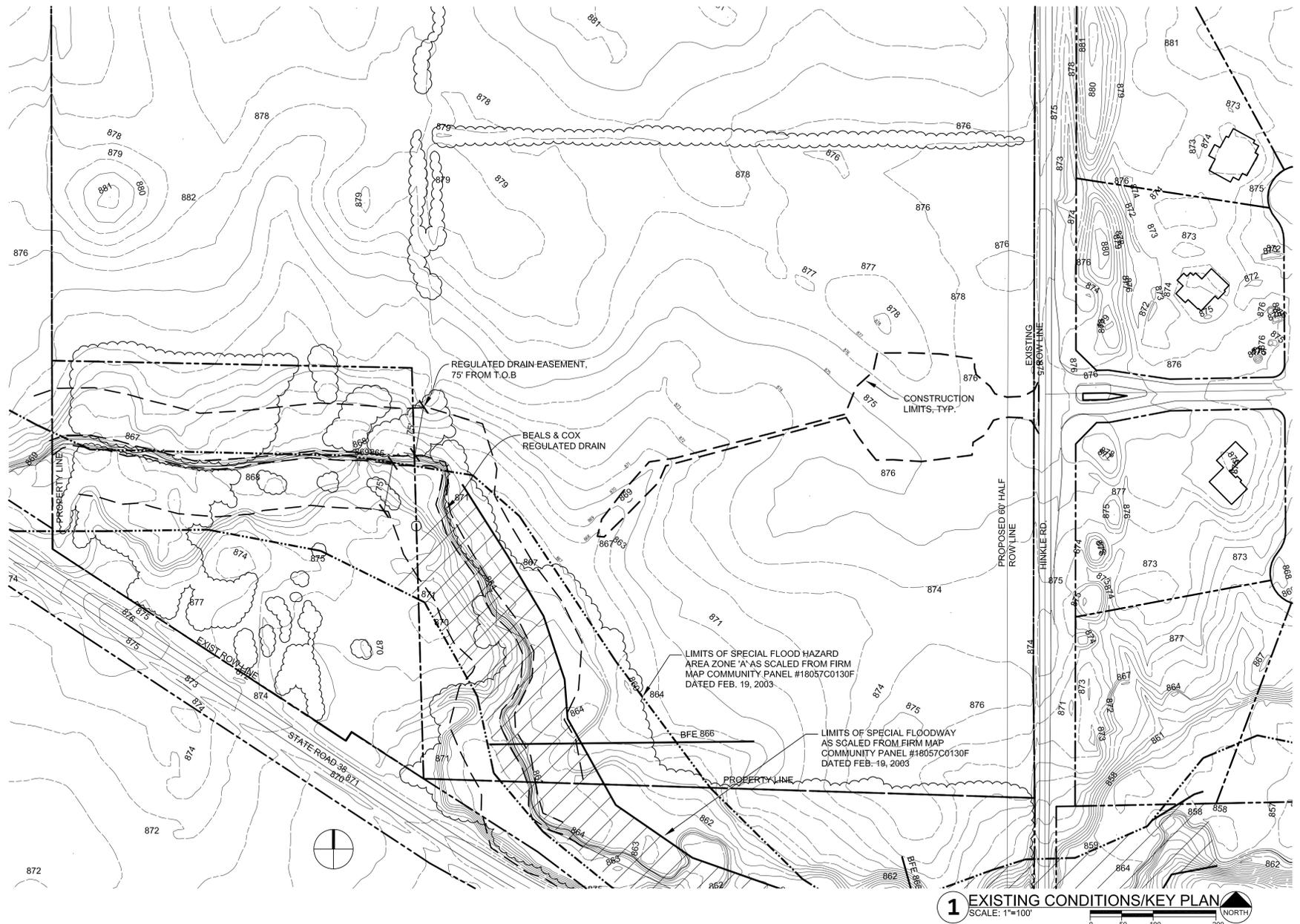
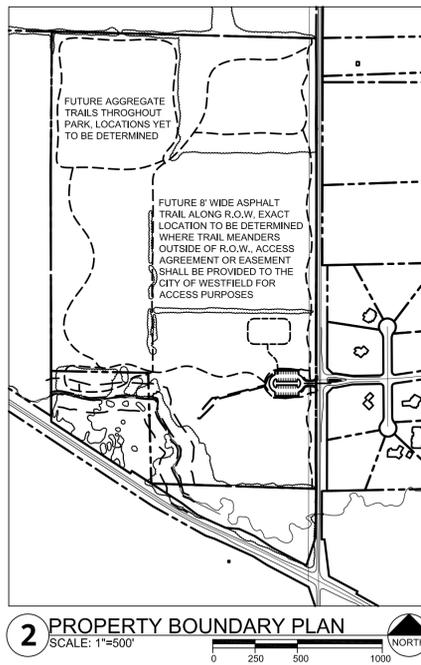
THE FOLLOWING IS AN EXCEPTION TO PARCEL 1, EXHIBIT A

A part of the Northeast Quarter of Section 20, Township 19 North, Range 4 East, Hamilton County, Indiana, and being that part of the grantors' land lying within the right of way lines depicted on the attached Right of Way Parcel Plat, marked EXHIBIT "B", described as follows: Commencing at the northeast corner of said section; thence South 0 degrees 00 minutes 00 seconds 2,650.48 feet along the east line of said section to the southeast corner of said quarter section designated as point "62" on said plat; thence North 88 degrees 55 minutes 10 seconds West 1,071.63 feet (Bearings and distances quoted from Instrument Number 8923862 Parcel No. 1) along the south line of said quarter section to the center line of State Road 38; thence South 89 degrees 08 minutes 27 seconds East (This and all subsequent bearings in this description are based on the bearing system for State Highway Project STP-5229(006)) 75.14 feet along said south line to the northeastern boundary of said State Road 38 and the point of beginning of this description; thence North 56 degrees 58 minutes 36 seconds West 107.76 feet along the boundary of said State Road 38 to point "131" designated on said plat; thence North 33 degrees 03 minutes 33 seconds East 15.46 feet to point "125" designated on said plat; thence South 56 degrees 56 minutes 27 seconds East 132.20 feet to the south line of said quarter section; thence North 89 degrees 08 minutes 27 seconds West 28.88 feet along said south line to the point of beginning and containing 0.043 acres, more or less.

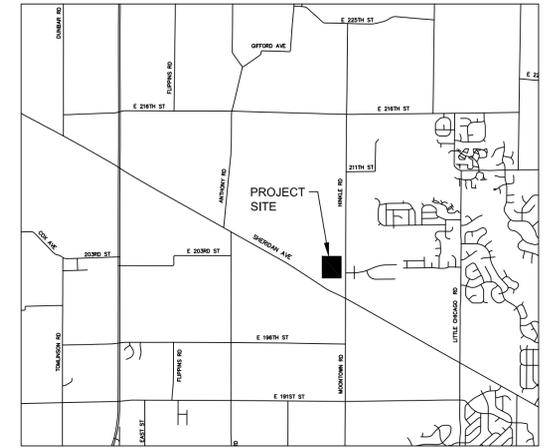
This description was prepared for the Indiana Department of Transportation by L. Randolph Compton, Indiana Registered Land Surveyor, License Number 1520100072, on the 15TH day of JULY, 2003.



*L. Randolph Compton*  
L. Randolph Compton



LOCATION MAP



VICINITY MAP

landscape architect:



mader design llc  
8880 s. franklin rd., indianapolis, in 46259  
p: 317.750.8017 f: 317.862.5521

consultant:



client:

project: APC Submittal Set  
BRAY FAMILY  
HOMESTEAD PARK  
EXISTING CONDITIONS  
PLAN

S.R 38 and Hinkle Rd., Hamilton County, IN

revision: date: description:

1



date: January 7, 2008  
job #: MCP 01  
drawn by: jrm  
checked by: jrm

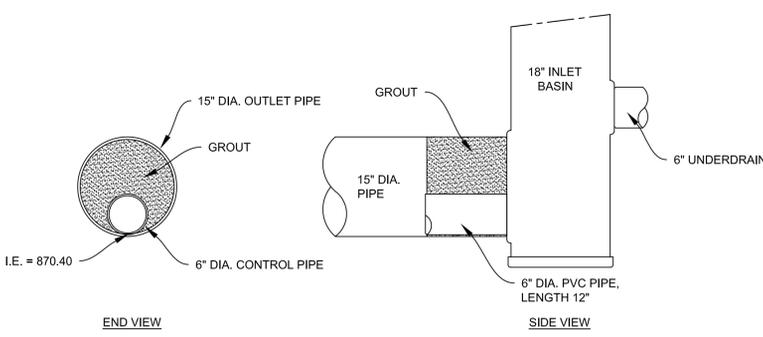
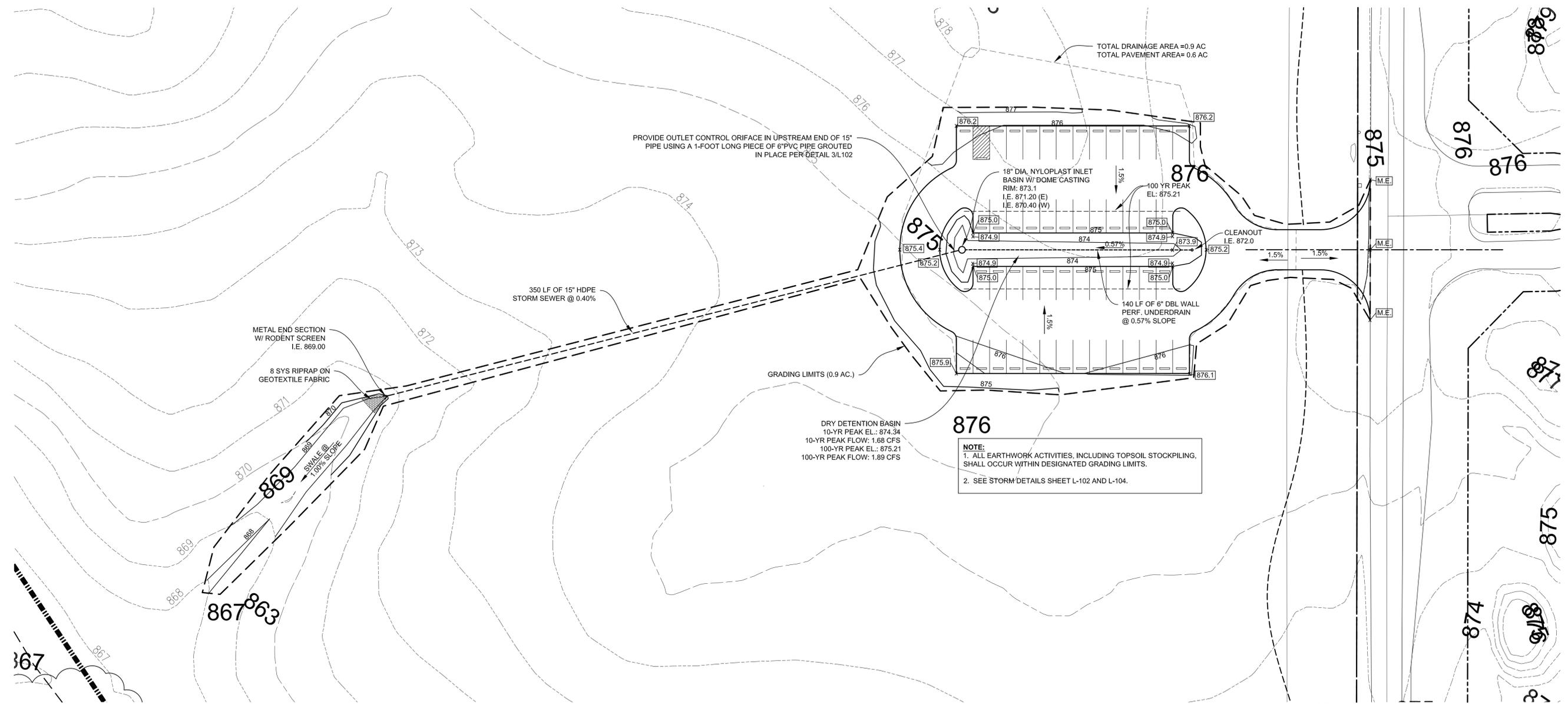
Landscape Architect is the author and owner of these drawings and specifications. They are to be used only for the project and shall not be used for any other project or work without express permission of the Landscape Architect.

sheet number:

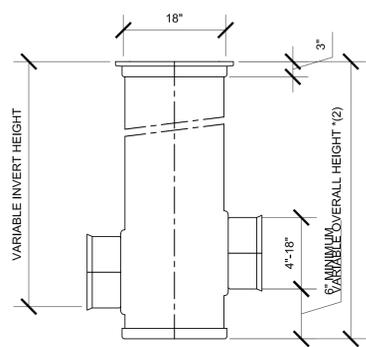
L-100

1 of 1





2 OUTLET CONTROL ORIFACE  
SCALE: NTS

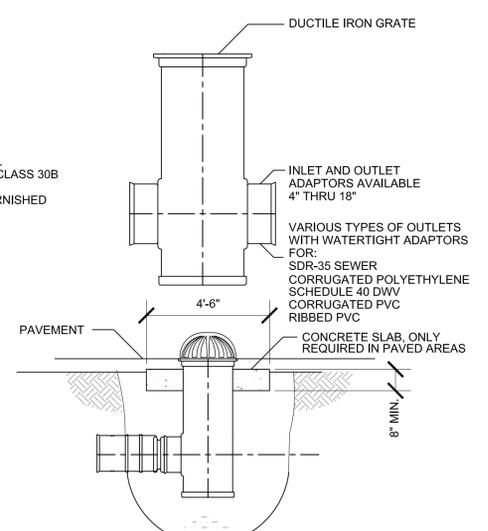


PROVIDE DOMED GRATE  
MATERIAL: DUCTILE IRON

QUALITY: MATERIAL SHALL CONFORM TO ASTM A48 - CLASS 30B

PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT

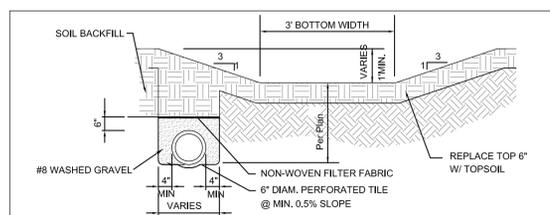
(2) MAXIMUM RECOMMENDED OVERALL HEIGHT 10"



BACKFILL MATERIAL SHALL BE CRUSHED STONE OR GRAVEL MATERIAL MEETING CLASS 1 OR 2 AS SPECIFIED IN ASTM D2321

BACKFILL MATERIAL SHALL BE PLACED UNIFORMLY IN 12" LIFTS AND COMPACTED

2 NYLOPLAST 18" BASIN  
SCALE: NTS



ST-1 SWALE UNDERDRAIN DETAIL  
SCALE: NONE

landscape architect: **mader o design**  
integrating people and nature

mader design LLC  
8880 S. Franklin Rd., Indianapolis, IN 46259  
P: 317.750.8017 F: 317.862.5521

client: **HAMILTON COUNTY DEPT. OF PARKS & RECREATION**

project: APC Submittal Set  
**BRAY FAMILY HOMESTEAD PARK**  
S.R. 38 and Hinkle Rd., Hamilton County, IN

**SITE GRADING & DRAINAGE PLAN**

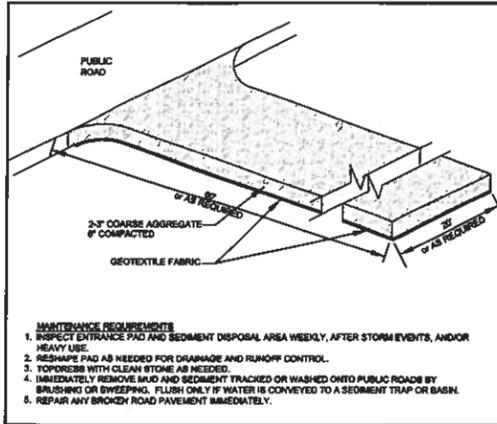
REVISION:	DATE:	DESCRIPTION:
1	7/17/18	Per Approval 3/17/18 Comments

certified by: **JEFFREY R. MADER**  
REGISTERED LANDSCAPE ARCHITECT  
No. LA20000264  
STATE OF INDIANA

date: 8/15/2018  
job #: HCP# 01  
drawn by: JPM  
checked by: JPM

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sheet number: **L-102**



**EC-3** TEMPORARY CONSTRUCTION ENTRANCE  
SCALE: NONE

TEMPORARY SEEDING DATES												
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
WHEAT OR RYE												
OATS												
ANNUAL RYEGRASS												

PERMANENT SEEDING DATES												
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
NON-FERTIGATED**												
FERTIGATED												
DORMANT SEEDING**												

**TEMPORARY SEEDING RATE**

TYPE OF SEED	1,000 SF	ACRE	REMARKS
WHEAT OR RYE	3.5 LBS.	2 BU.	COVER SEED 1/4" DEEP
SPRING OATS	2.5 LBS.	3 BU.	COVER SEED 1" DEEP
ANNUAL RYEGRASS	1 LB.	40 LB.	COVER SEED 1/4" DEEP

**PERMANENT SEEDING MIXTURES**

SPECIES	SEEDING RATE		SUITABLE pH	SITE SUITABILITY*		
	LBS/ACRE	1,000 SF		DROUGHT	WELL	WET
<b>LEVEL AND SLOPING OPEN AREAS</b>						
1. TALL FESCUE	25	8	5.5-8.3	2	1	2
2. TALL FESCUE	25	8	5.5-8.3			1
3. KENTUCKY BLUEGRASS	15	4	5.8-7.5	2	1	1
4. CREEPING RED FESCUE	16	4	5.8-7.5	2	1	1
<b>SWALE BANKS AND DITCHES</b>						
4. TALL FESCUE	15	4	5.8-7.5	2	1	2
5. TALL FESCUE	25	8	5.5-8.3	2	1	1
6. KENTUCKY BLUEGRASS	15	4	5.8-7.5	2	1	1
7. PERENNIAL RYEGRASS	170	4.0	5.5-7.5			1
<b>LAWN AND HIGH MAINTENANCE AREAS</b>						
6. KENTUCKY BLUEGRASS	40	3	5.8-7.5	2	1	1
7. PERENNIAL RYEGRASS	170	4.0	5.5-7.5			1
<b>DRIVE TYPE</b>						
8. TALL FESCUE	170	4.0	5.5-8.3	2	1	2

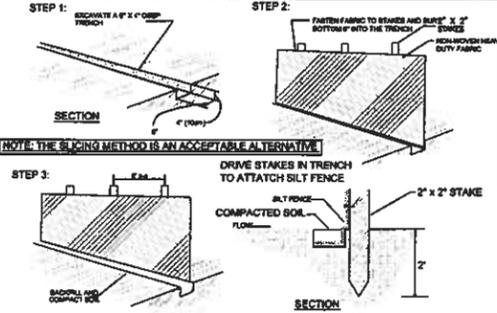
**SEEDING PREPARATION**  
APPLY LIME TO RAISE THE pH TO THE LEVEL NEEDED FOR SPECIES BEING SEED. APPLY 23 POUNDS OF 12-12-12 ANALYSIS FERTILIZER (OR EQUIVALENT) PER 1,000 SF (APPROXIMATELY 1000 POUNDS PER ACRE) OR FERTILIZE ACCORDING TO TEST APPLICATION OF 150 LBS. OF AMMONIUM NITRATE ON AREAS LOW IN ORGANIC MATTER AND FERTILITY WILL GREATLY ENHANCE VEGETATIVE GROWTH.

WORK THE FERTILIZER AND LIME INTO THE SOIL TO A DEPTH OF 2-3 INCHES WITH A HARROW, DISK OR RAKE OPERATED ACROSS THE SLOPE AS MUCH AS POSSIBLE.

DO NOT USE PHOSPHOROUS CONTAINING FERTILIZERS (12-12-12) UNLESS SOIL TEST SHOW A DEFICIENCY IN PHOSPHOROUS.

**SEEDING**  
SELECT A SEED MIXTURE BASED ON PROJECTED USE OF THE AREA (SEE PERMANENT SEED MIXTURE CHART), WHILE CONSIDERING BEST SEEDING DATES. IF PERMANENT SEEDING IS NOT PERMITTED USE TEMPORARY SEEDING UNTIL PERMANENT SEEDING CAN BE APPLIED. IF TOLERANCES ARE A PROBLEM, SUCH AS SALT TOLERANCE OF SEEDINGS ADJACENT TO STREETS AND HIGHWAYS, SEE SEED TOLERANCE CHART.

**EC-2** SEASONAL SOIL PROTECTION CHART  
SCALE: NONE



- MAINTENANCE**
- INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
  - IF FENCE FABRIC TEARS, STARTS TO DISCOLORE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
  - REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT OR IS CAUSING THE FABRIC TO BULGE.
  - TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEAN OUT.
  - AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

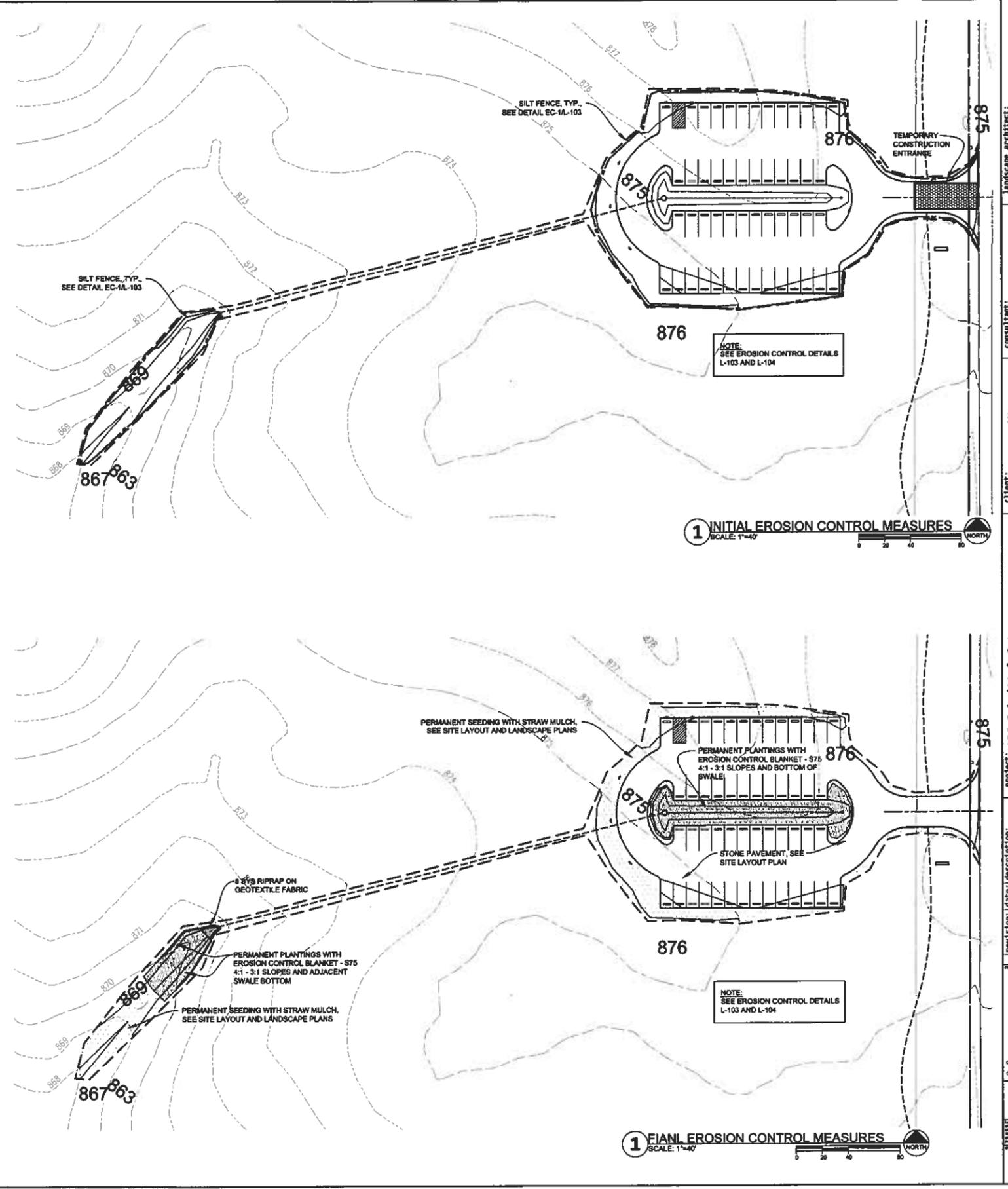
**EC-1** SILT FENCE BARRIER INSTALLATION  
SCALE: NONE

**EROSION CONTROL NOTES**

- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE DRAWINGS ARE CONSIDERED THE MINIMUM PRACTICES NECESSARY FOR COMPLIANCE WITH THE HPCES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AS IDENTIFIED UNDER SECTION 327-JAC-16-6 OF THE INDIANA ADMINISTRATIVE CODE. HOWEVER, SITE CONDITIONS, CONSTRUCTION METHODS, SEQUENCING OF WORK AND GENERAL PRACTICE MAY WARRANT VARIATION AND/OR ADDITIONS TO THE QUANTITIES AND LOCATIONS OF MEASURES AS SHOWN.
- THE ANTICIPATED LAND DISTURBANCE ASSOCIATED WITH THIS PROJECT IS LESS THAN 1 ACRE. THEREFORE, THE OWNER IS NOT REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) LETTER TO THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT PER SECTION 327-JAC-16-4 OF THE INDIANA ADMINISTRATIVE CODE.
- UNLESS OTHERWISE SHOWN, TEMPORARY CONTROL MEASURES SHALL BE REMOVED UPON SATISFACTORY ESTABLISHMENT OF PERMANENT VEGETATION.
- SEE SHEET L-104 FOR DETAILS REFERENCED ON THIS SHEET.
- PERIMETER CONTROL MEASURES (I.E. SILT FENCE, DIVERSION DITCHES, TREE PROTECTION FENCING) SHALL BE INSTALLED PRIOR TO COMMENCING EARTHWORK ACTIVITIES.
- IN ADDITION TO THE MAINTENANCE REQUIREMENTS IDENTIFIED FOR INDIVIDUAL MEASURES, ALL EROSION CONTROL MEASURES INSTALLED UNDER THIS PROJECT SHALL BE INSPECTED WEEKLY TO ENSURE THEY ARE FUNCTIONING PROPERLY. MEASURES FOUND TO BE DEFICIENT SHALL BE REPAIRED OR REPLACED IMMEDIATELY THEREAFTER.
- THE CONTRACTOR SHALL MAINTAIN A STABLE CONSTRUCTION ENTRANCE AT ALL TIMES AND SHALL MAKE EFFORTS TO MINIMIZE THE ACCUMULATION OF SOIL, MUD AND DEBRIS ON ADJOINING ROADWAYS.
- TEMPORARY SOIL STOCKPILES SHALL BE CONSTRUCTED IN A MANNER SUCH THAT PROPER DRAINAGE OF THE SITE IS NOT IMPERD. STOCKPILES SHALL BE CONTAINED WITHIN A PERIMETER CONTROL MEASURE (I.E. SILT FENCE, STRAW BALES OR OTHER BARRIER) TO TRAP SEDIMENT. STOCKPILES THAT WILL REMAIN IN EXCESS OF 15 DAYS SHALL BE TEMPORARILY SEEDED.

**EROSION CONTROL SEQUENCE**

- SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE HAMILTON COUNTY SURVEYOR'S OFFICE.
- BEFORE CONSTRUCTION, MARK PROJECT LIMITS AND ANY AREA WITH BUTTABLE VEGETATION FOR FILTER STRIPS IN PERIMETER AREAS.
- INSTALL TEMPORARY CONSTRUCTION ENTRANCE.
- INSTALL INITIAL PERIMETER PRACTICES, INCLUDING PERIMETER SILT FENCE.
- STRIP TOPSOIL, STOCKPILE QUANTITIES NECESSARY FOR COMPLETION OF THE PROJECT AND REMOVE EXCESS FROM THE SITE. SEED STOCKPILES.
- BEGIN MASS EARTHWORK. INSTALL STORM SEWER OUTLET FOR RAIN GARDEN, COMPLETE GRADING OF SWALE, INSTALL EROSION CONTROL BLANKETS AND SEED BANKS.
- INSTALL INLET PROTECTION AS INLETS ARE INSTALLED. INSTALL RIPRAP AT PIPE OUTLET AS PIPE IS INSTALLED.
- COMPLETE FINE GRADING.
- INSTALL STONE BASE FOR DRIVER AND PARKING AREAS AS SOON AS GRADE IS ESTABLISHED.
- REMOVE TEMPORARY EROSION CONTROL PRACTICES AFTER VEGETATION IS ESTABLISHED AND PROJECT SITE IS PERMANENTLY STABILIZED.
- MAINTAIN EROSION AND SEDIMENT PRACTICES THROUGHOUT THE DURATION OF THE PROJECT.



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client: HAMILTON COUNTY DEPT. OF PARKS & RECREATION

project: APC Submittal Set  
**BRAY FAMILY HOMESTEAD PARK**  
S.R. 38 and Hinkle Rd., Hamilton County, IN

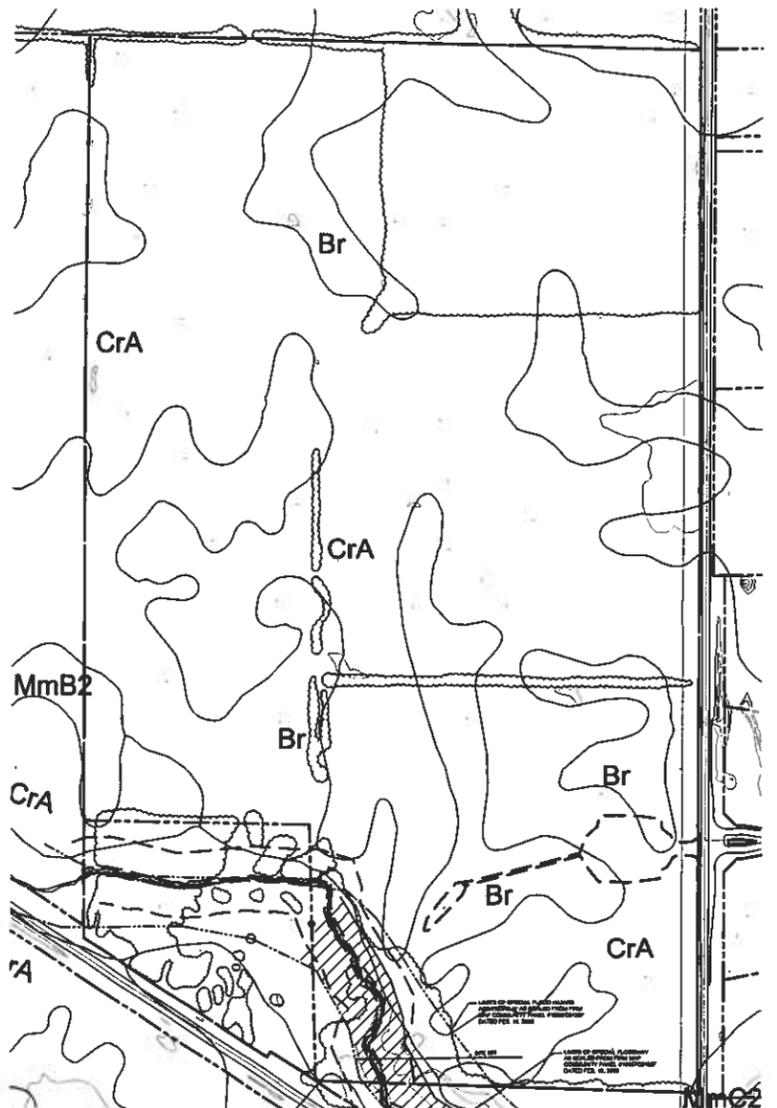
**EROSION CONTROL MEASURES PLANS**

REVISION: 1  
DATE: 1/15/2024

REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT  
STATE OF INDIANA  
LA20000264

DATE: 1/15/2024  
SCALE: 1"=40'

**L-103**

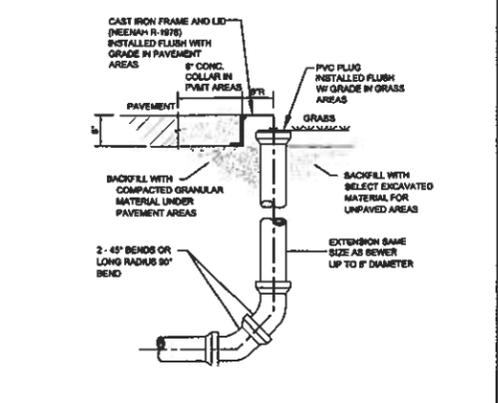


**NOTES:** SOILS ARE POORLY DRAINING. UNDERDRAINAGE ARE USED IN INFILTRATION PRACTICES WHERE POSSIBLE DUE TO THE LOW PERMEABILITY OF THE SURROUNDING SOIL.

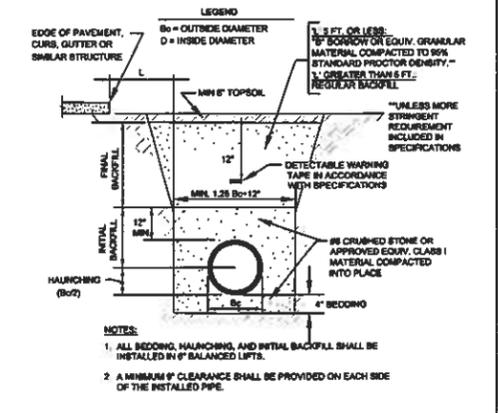
Soil	Permeability	Available Water Capacity	Available Water Capacity	Available Water Capacity
CrA	Very Slow	0.5 to 1.0	1.0 to 2.0	2.0 to 3.0
Br	Very Slow	0.5 to 1.0	1.0 to 2.0	2.0 to 3.0

**CrA. Crestline all types. 8 to 12 percent slopes**  
This is a somewhat poorly drained soil with a seasonal high water table at 0.5 to 2.0 ft. This soil is located on rises or in depressions, on flats, and in narrow drainageways between better drained soils on broad, undulating plains. Slopes are 0 to 3 percent. The native vegetation is hardwood forest. The surface layer is silty loam and has moderately low to moderate organic matter content (1.0 to 3.0 percent). Permeability is very slow (<0.05 inch/hr) in the most restrictive layer above 60 inches. Available water capacity is moderate (6.2 inches in the upper 60 inches). The pH of the surface layer in non-wooded areas is 5.1 to 5.5. Drainage and wetness are management concerns for crop production. This soil responds well to the drainage, it is designated potentially highly erodible (class 2) in the Highly Erodible Land (HEL) classification system.

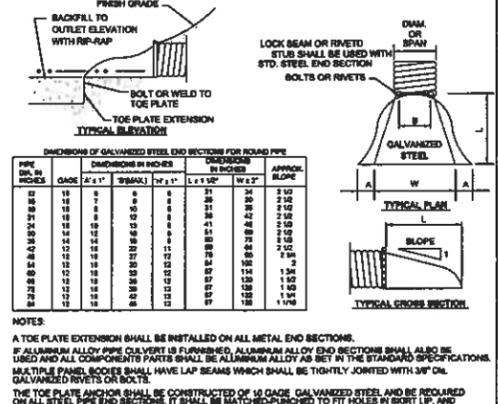
**Br. Benchline all types**  
This very level soil is in depressions, on flats, and in narrow drainageways between better drained soils on broad, undulating plains. Slopes are 0 to 2 percent. In some small areas, this soil has a silty loam or clay loam surface layer. Runoff is very slow. Wetness is the main limitation. Because of wetness, the soil has severe limitations for crop production. Most areas are cultivated. A few are wooded. Wooded areas support fair stands of hardwoods, but some are heavily pasture. Permeability is moderate (0.8 to 2 inch/hr) in the most restrictive layer above 60 inches. Available water capacity is high (12 inches in the upper 60 inches). The pH of the surface layer in non-wooded areas is 6.8 to 7.2.



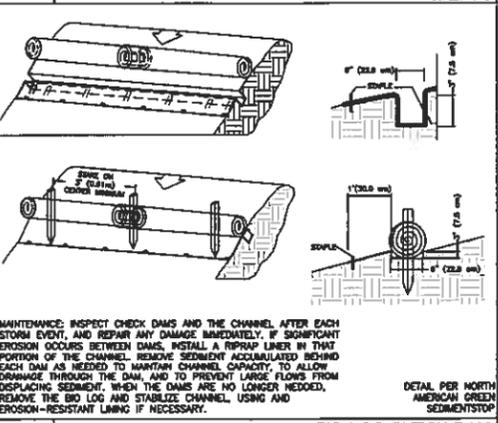
**ST-3 SEWER CLEANOUT (END OF LINE)**  
SCALE: NONE



**ST-2 PLASTIC PIPE (PVC AND HDPE) TRENCH DETAIL**  
SCALE: NONE



**ST-1 METAL END SECTION**  
SCALE: NONE

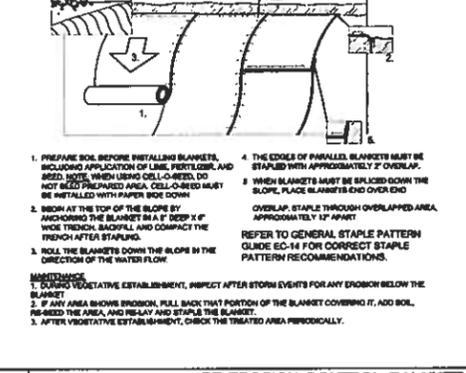


**EC-6 BIO LOG CHECK DAM**  
SCALE: NONE

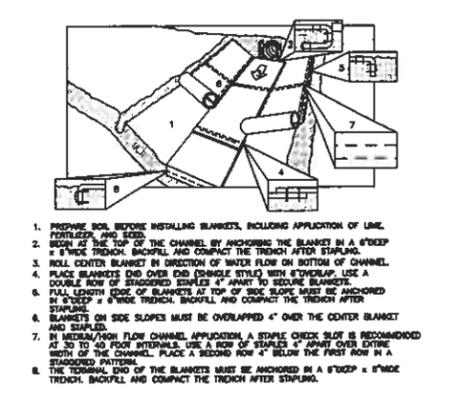
Practice	Site Description	Applicability	Maintenance	Installation Sequence
1	Schedule Pre-con with Jurisdiction Entity	All Sites	N/A	Before Construction
2	Construction Access	All Sites	As Needed	Prior To Grading and Drains
3	Temporary Erosion Control Entrance Pad	All Sites	As Needed	Prior To Grading and Drains
4	Site Fence	Small Drainage Areas	Weekly, After Storm Events and As Needed	Prior To Grading and Drains
5	Surface Roughening	Sites with slopes that are to be stabilized with vegetation	Weekly, After Storm Events and As Needed	After Rough Grading
6	Temporary Seeding	Areas of bare soil where additional work is not scheduled to be performed for a minimum of 15 days	Water As Needed	After Rough Grading
7	Grass Strip	All Sites	Weekly, After Storm Events and As Needed	After Earth Outlet is in place
8	Erosion Control Blanket (Erosion Control Blanket)	Temporary surface stabilization, anchor for match	Weekly, After Storm Events and As Needed	After Earth Outlet is in place
9	Blanket, Soil and Landscaping	All Sites	Weekly, After Storm Events and As Needed	After Earth Outlet is in place
10	Blanket, Soil and Landscaping	All Sites	Weekly, After Storm Events and As Needed	After Earth Outlet is in place
11	Blanket, Soil and Landscaping	All Sites	Weekly, After Storm Events and As Needed	After Earth Outlet is in place
12	Blanket, Soil and Landscaping	All Sites	Weekly, After Storm Events and As Needed	After Earth Outlet is in place
13	Blanket, Soil and Landscaping	All Sites	Weekly, After Storm Events and As Needed	After Earth Outlet is in place
14	Blanket, Soil and Landscaping	All Sites	Weekly, After Storm Events and As Needed	After Earth Outlet is in place
15	Removal of Heat Protection	All Sites	N/A	After All areas draining to base areas are stabilized
16	Removal of Site Fence	All Sites	N/A	After All areas draining to base areas are stabilized



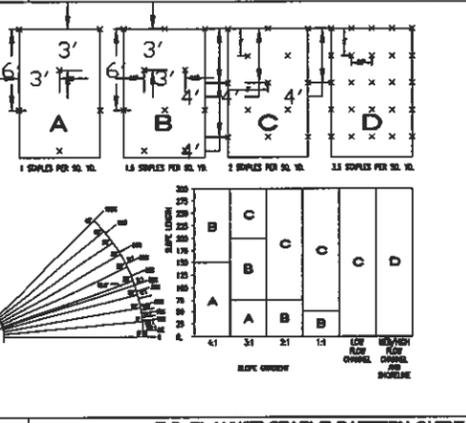
**EC-5 SLOPE EROSION CONTROL BLANKET**  
SCALE: NONE



**EC-2 WELDED WIRE INLET PROTECTION**  
SCALE: NONE



**EC-4 CHANNEL EROSION CONTROL BLANKET**  
SCALE: NONE

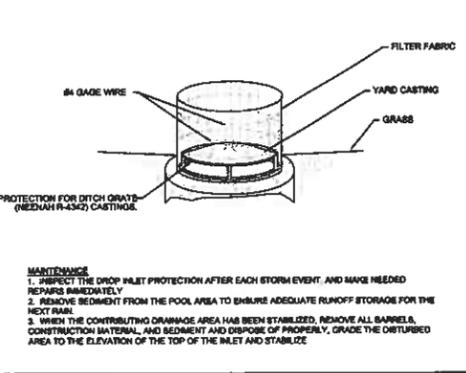


**EC-3 E.C. BLANKET STAPLE PATTERN GUIDE**  
SCALE: NONE

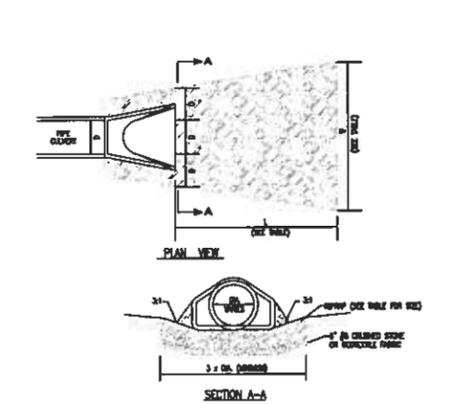
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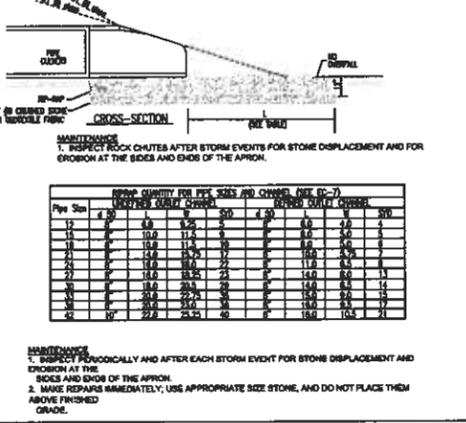
**EC-1 ROCK CHUTE OUTLET PROTECTION**  
SCALE: NONE



**EC-1 ROCK CHUTE OUTLET PROTECTION**  
SCALE: NONE



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SCALE: NONE



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SCALE: NONE

**mader o design**  
Landscape architect  
mader o design llc  
8888 s. franklin rd., indianapolis, in 46259  
p: 317.756.8817 f: 317.862.5571

client: HAMILTON COUNTY - PARKS & RECREATION DEPT.

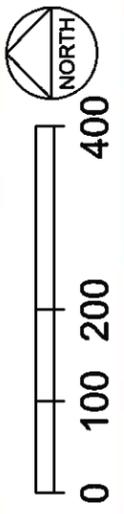
project: APC Submittal Set  
**BRAY FAMILY HOMESTEAD PARK**  
S.R. 38 and Hinkle Rd., Hamilton County, IN  
**EROSION CONTROL AND STORM DETAILS**

revision: (date): description:

**JEFFREY R. MADER**  
REGISTERED PROFESSIONAL ENGINEER  
No. LA20000264  
STATE OF INDIANA  
L-104



# Overall Existing Site Plan

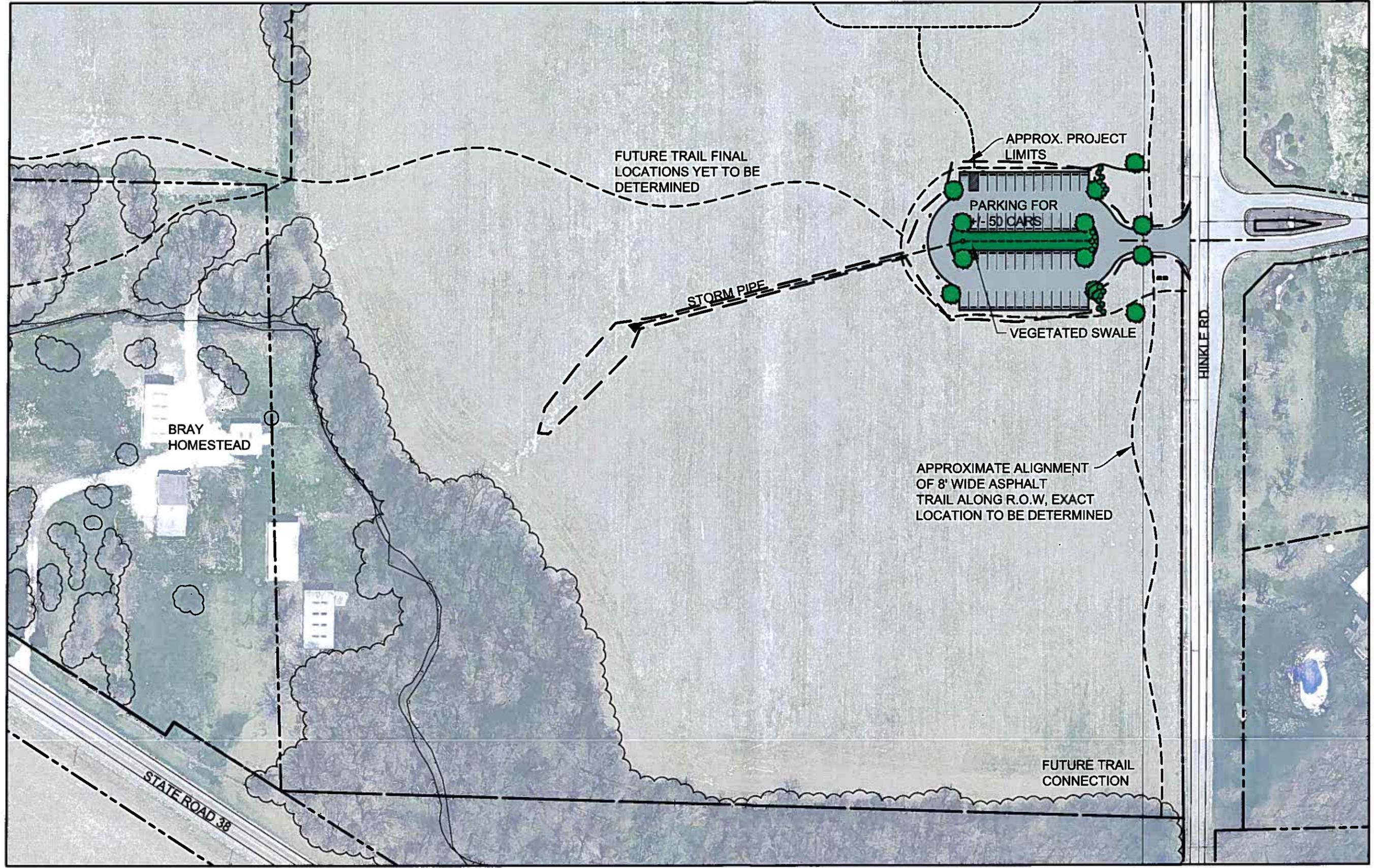


## Bray Family Homestead Park

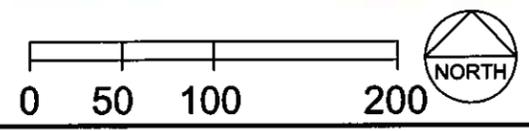
Hamilton County Parks & Recreation  
 S.R. 38 and Hinkle Road

January 7, 2010





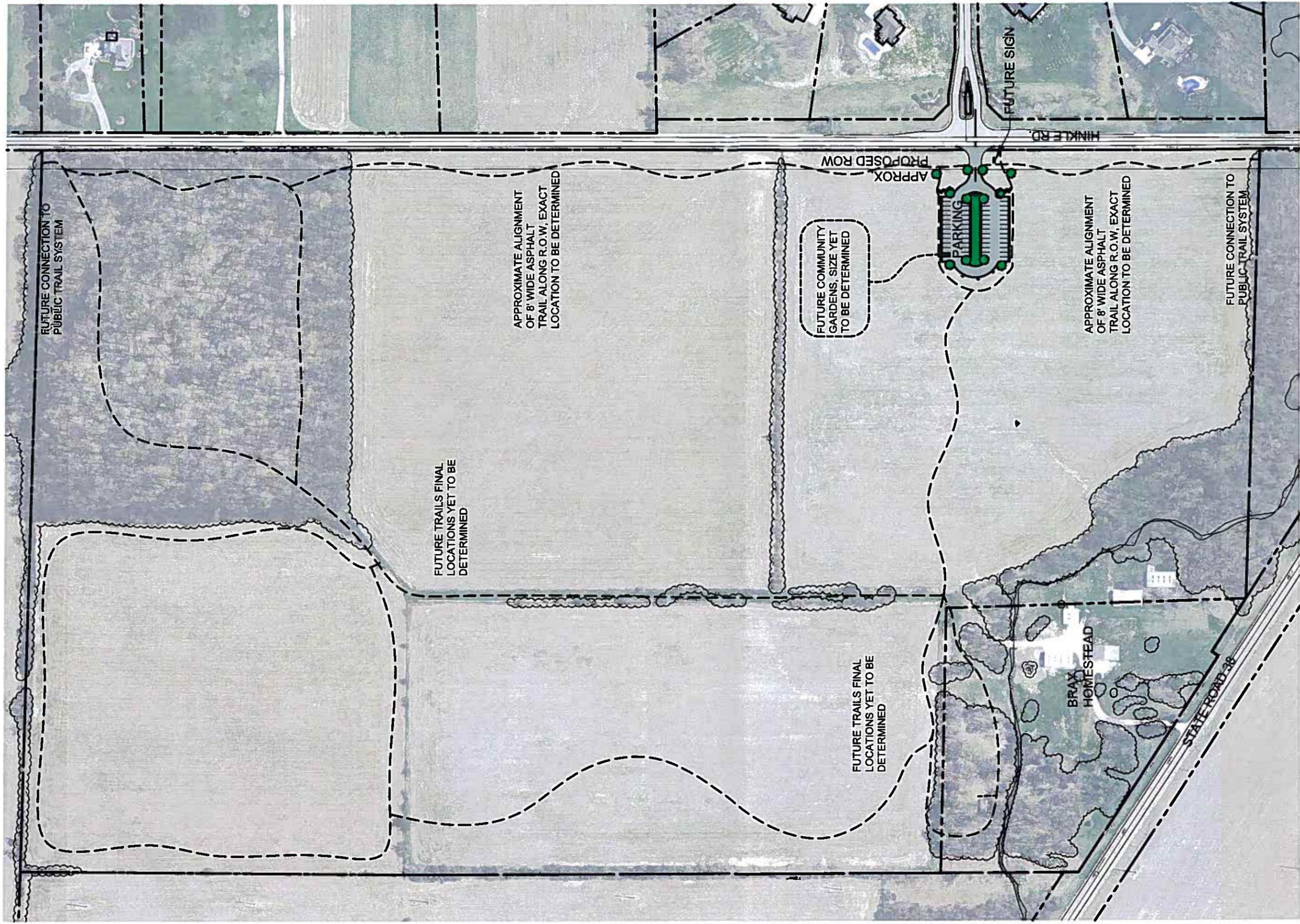
**Site Layout Plan**



**Bray Family Homestead Park**

Hamilton County Parks & Recreation  
S.R. 38 and Hinkle Road

January 7, 2010



## Overall Existing Site Plan

### Bray Family Homestead Park

Hamilton County Parks & Recreation  
S.R. 38 and Hinkle Road

January 7, 2010



integrating people and nature