



**Legend**

- Drainage
- Wooded Lot
- Ponds
- Wetlands Site
- Boundary

Proposed Detention Area 1  
Approximately 25 acres

Proposed Detention Area 2  
Approximately 25 acres

Drainage from Site

Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors  
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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**I-40 Mega Site  
Drainage and Detention Map**

PROJECT NUMBER	60572497
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West Memphis I-40 Megasite  
Grading and Stormwater Detention Cost Estimate

**Affected Area: 5,880' x 7,400' = 1,000 acres**  
**Existing Site Slope – 0-1% (drain north to south)**

**Scope of Work:**

1. Re-routing existing drainage ditches
2. Site grading
3. Stormwater detention basin

**Development cost based on the following assumptions:**

1.	Building area	2,000,000 sq/ft
2.	Pavement/parking/roads	5,000,000 sq/ft
3.	Detention area required (average depth 3')	2,000,000 sq/ft
4.	Ditch rerouting	8,000 L.F.
5.	Excavated material from detention area will be used for grading and fill material across the site	

**Cost estimate:**

1.	Detention Excavation and Grading (220,000 yd <sup>3</sup> @ \$6/y <sup>3</sup> )	\$1,320,000
2.	Ditch Rerouting (8,000 L.F. @ \$20/L.F)	<u>\$160,000</u>
	<b>Total</b>	<b><u>\$1,480,000</u></b>

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