

Agency Coordination Meeting #8

**I-295/I-76/Route 42
Direct Connection**

Camden County

June 7, 2005

Presented by NJ Department of Transportation



AGENDA

**INTRODUCTIONS
AND GREETING**

Nick Caiazza
NJDOT

REVIEW OF ALTERNATIVES

Craig Johnson
Dewberry

**REVIEW OF
TES STATUS**

Ileana S. Ivanciu
Dewberry



INTRODUCTION

- **Progress since the last meeting**
 - ✓ **Engineering to define designs**
 - ✓ **Technical environmental studies**
- **Coordination with specific agencies in areas, such as:**
 - ✓ **Cultural resources**
 - ✓ **Natural resources**
 - ✓ **Environmental Justice**
 - ✓ **Air and Noise**



ALTERNATIVES REVIEW

Craig Johnson
Dewberry



➤ **Review of selected alternatives designs:**

🕒 **Alternative D**

🕒 **Alternative D1**

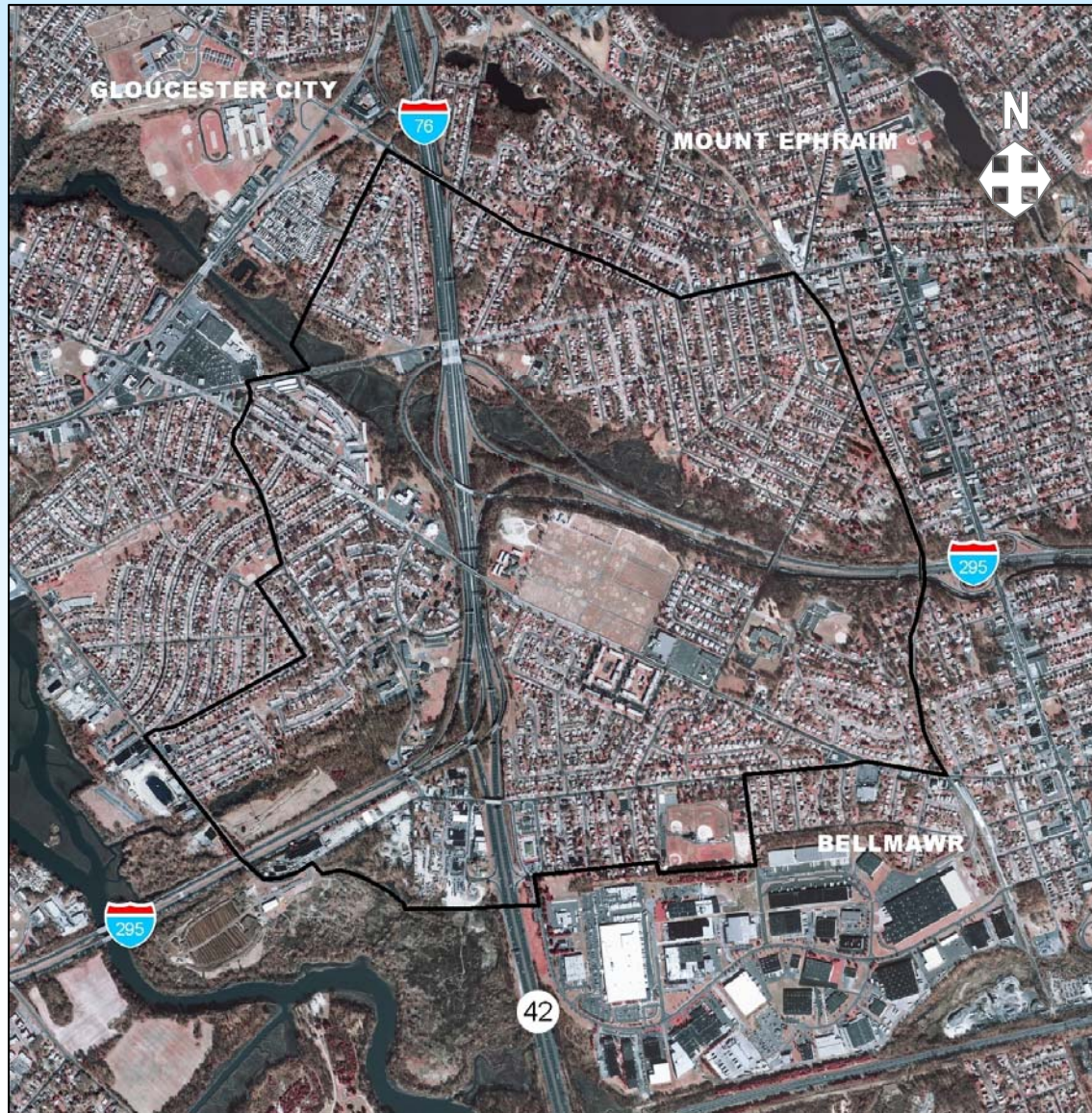
🕒 **Alternative G1**

🕒 **Alternative H2**

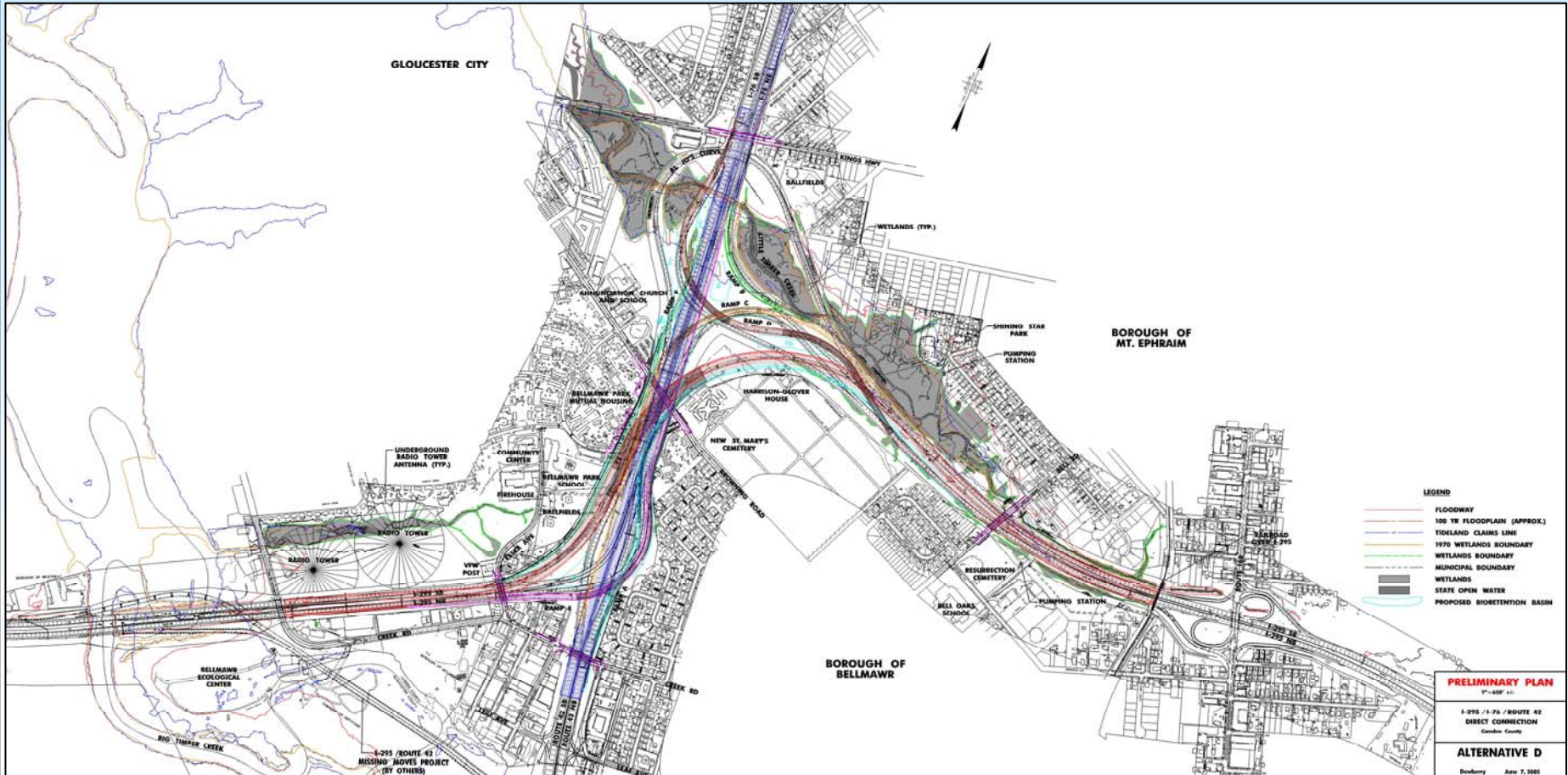
🕒 **Alternative K**



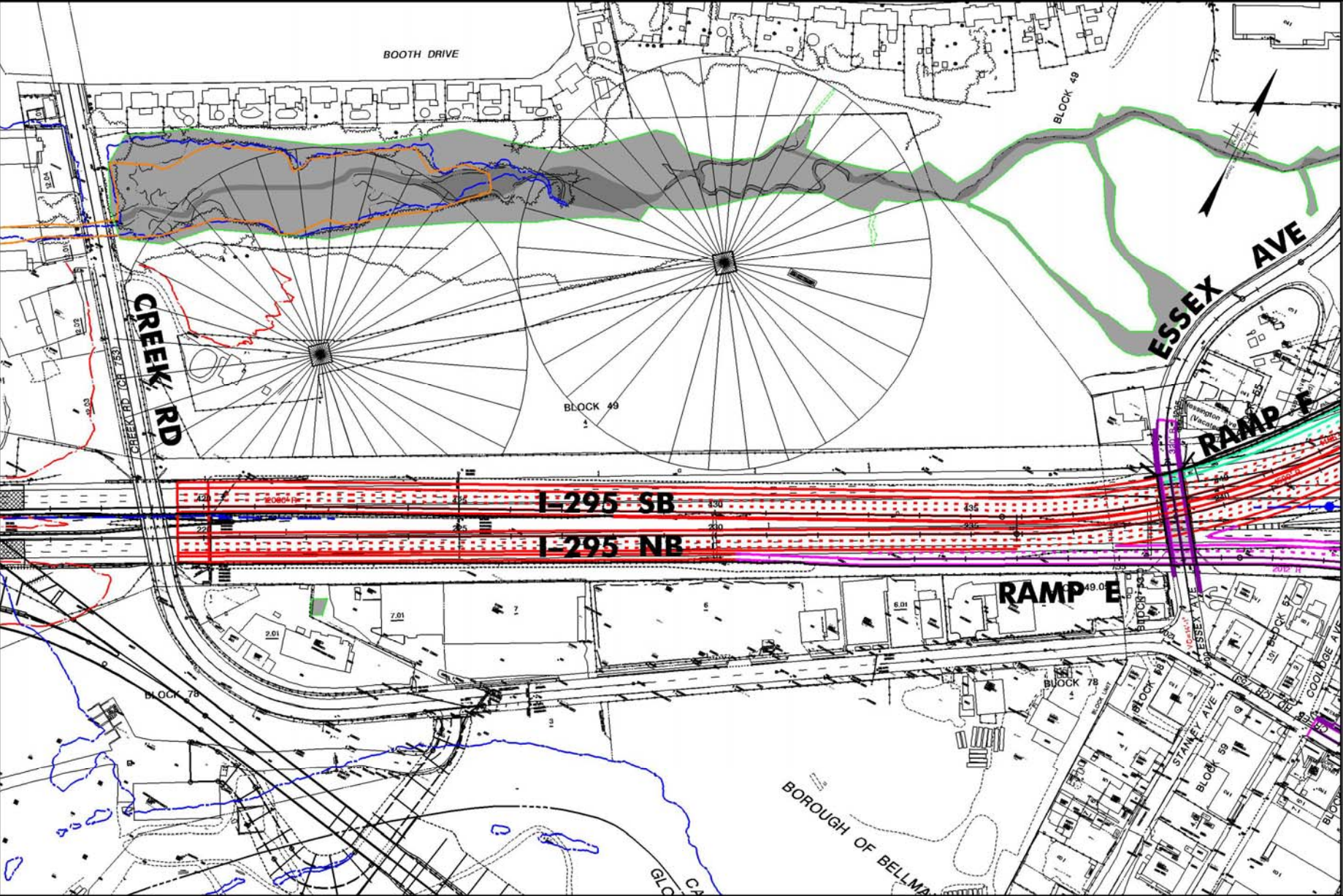
PROJECT LOCATION



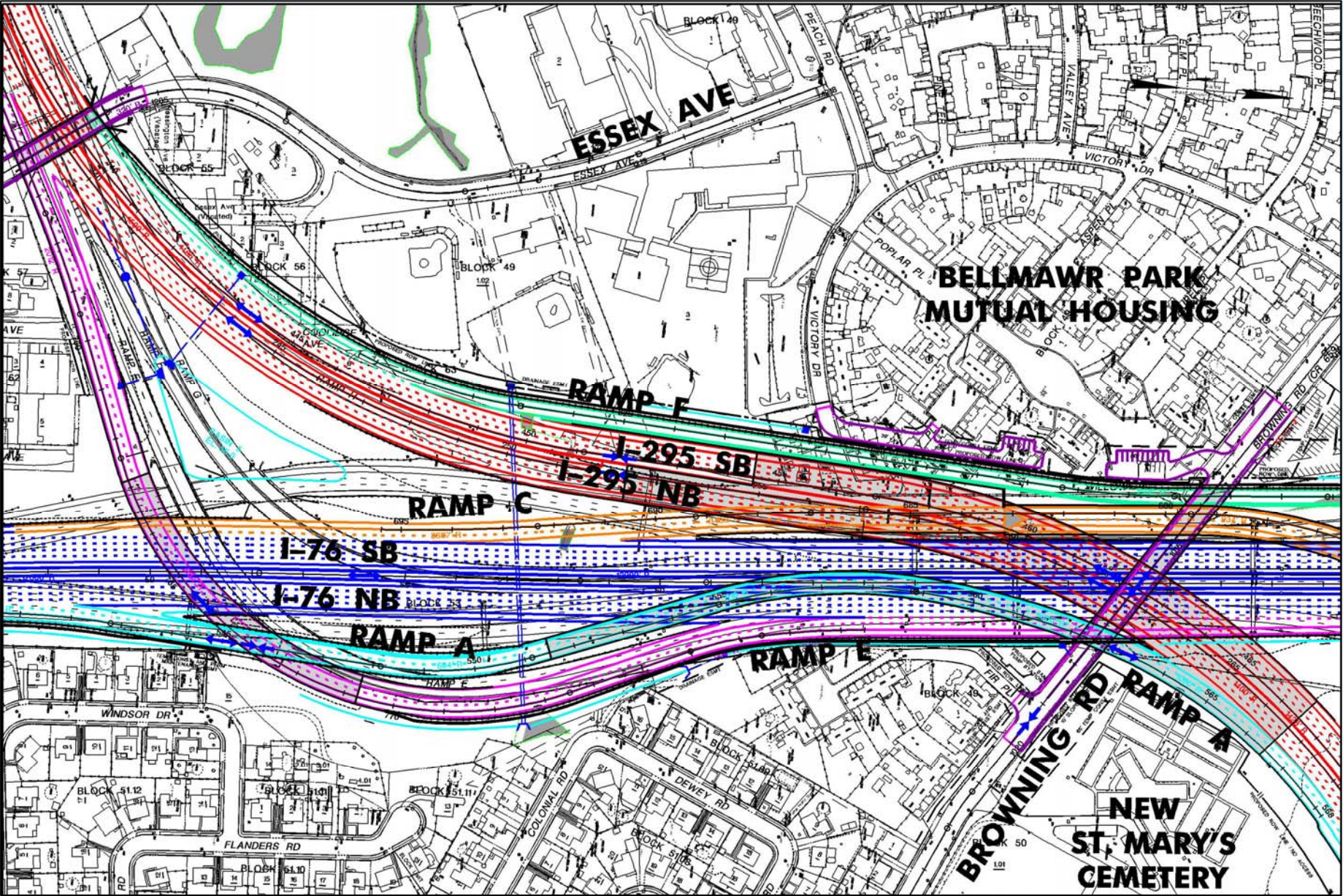
ALTERNATIVE D



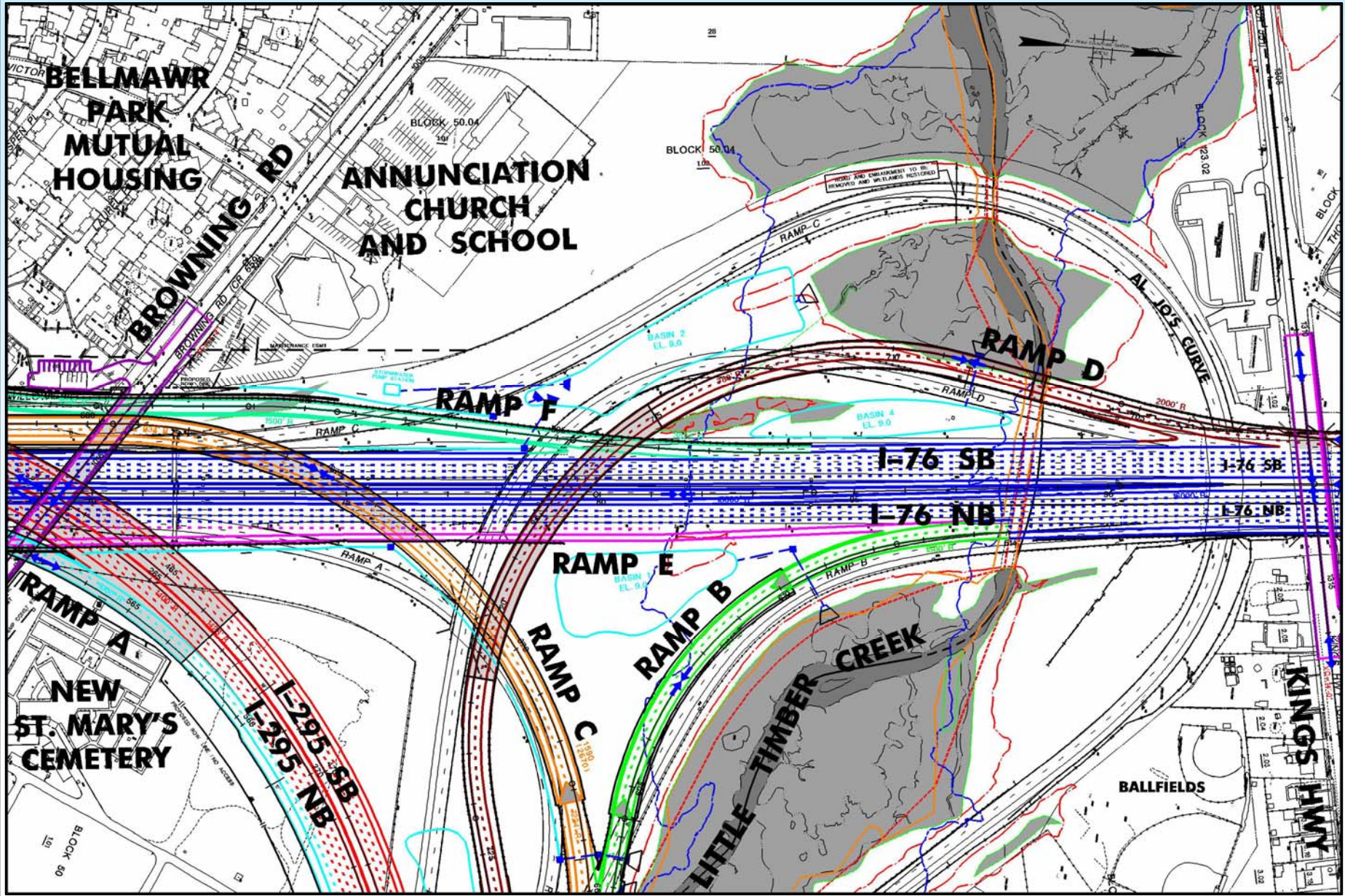
ALTERNATIVE D



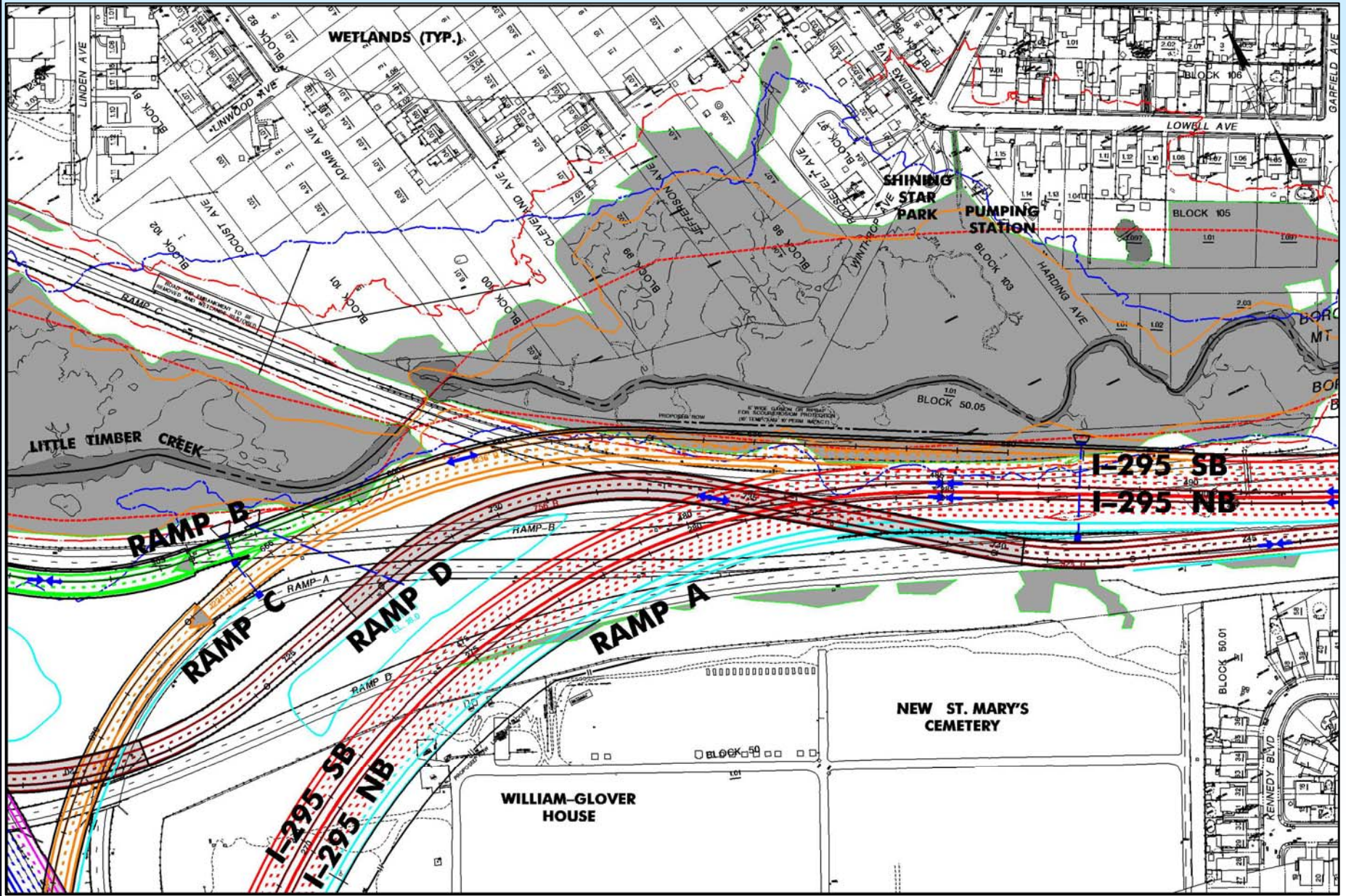
ALTERNATIVE D



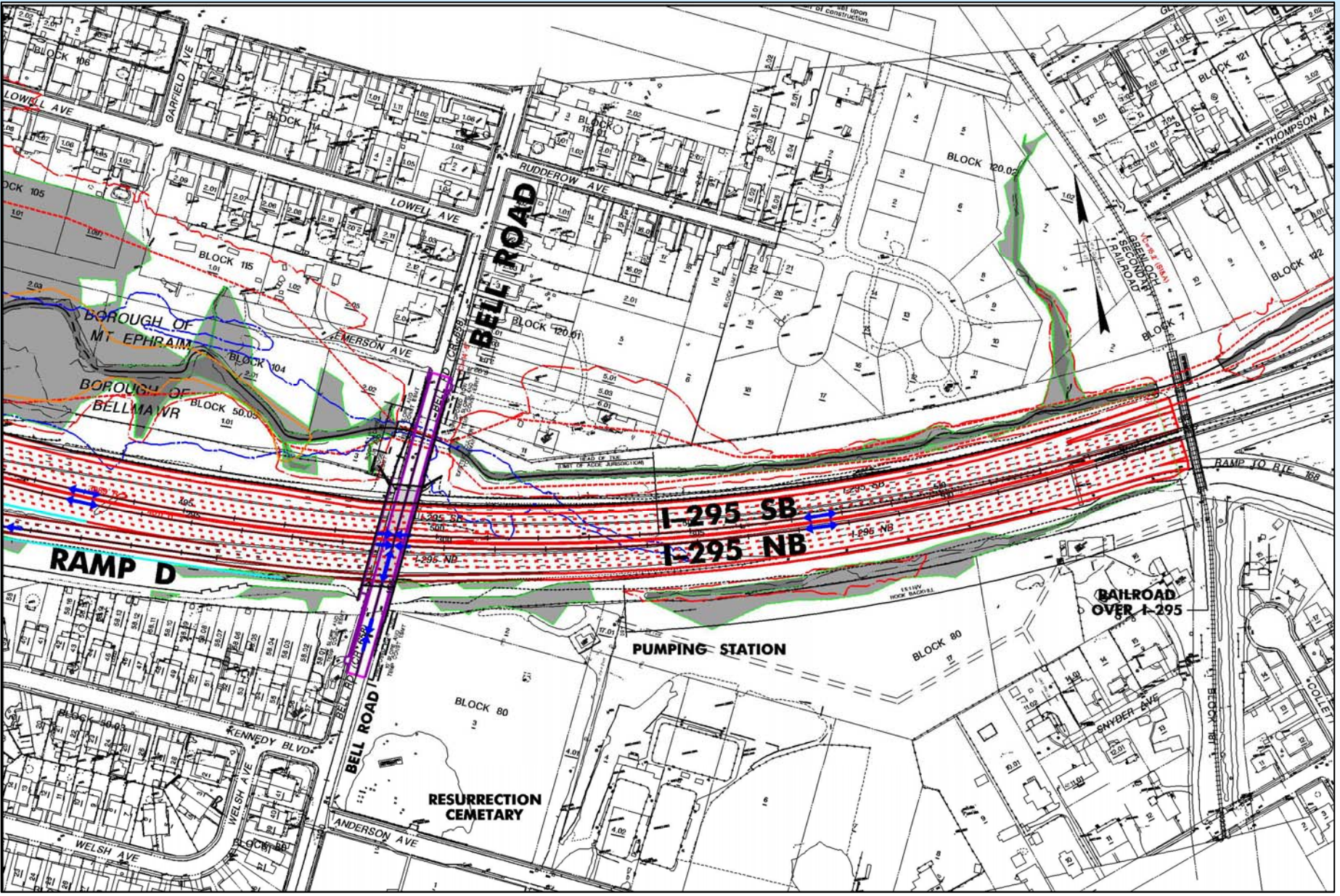
ALTERNATIVE D



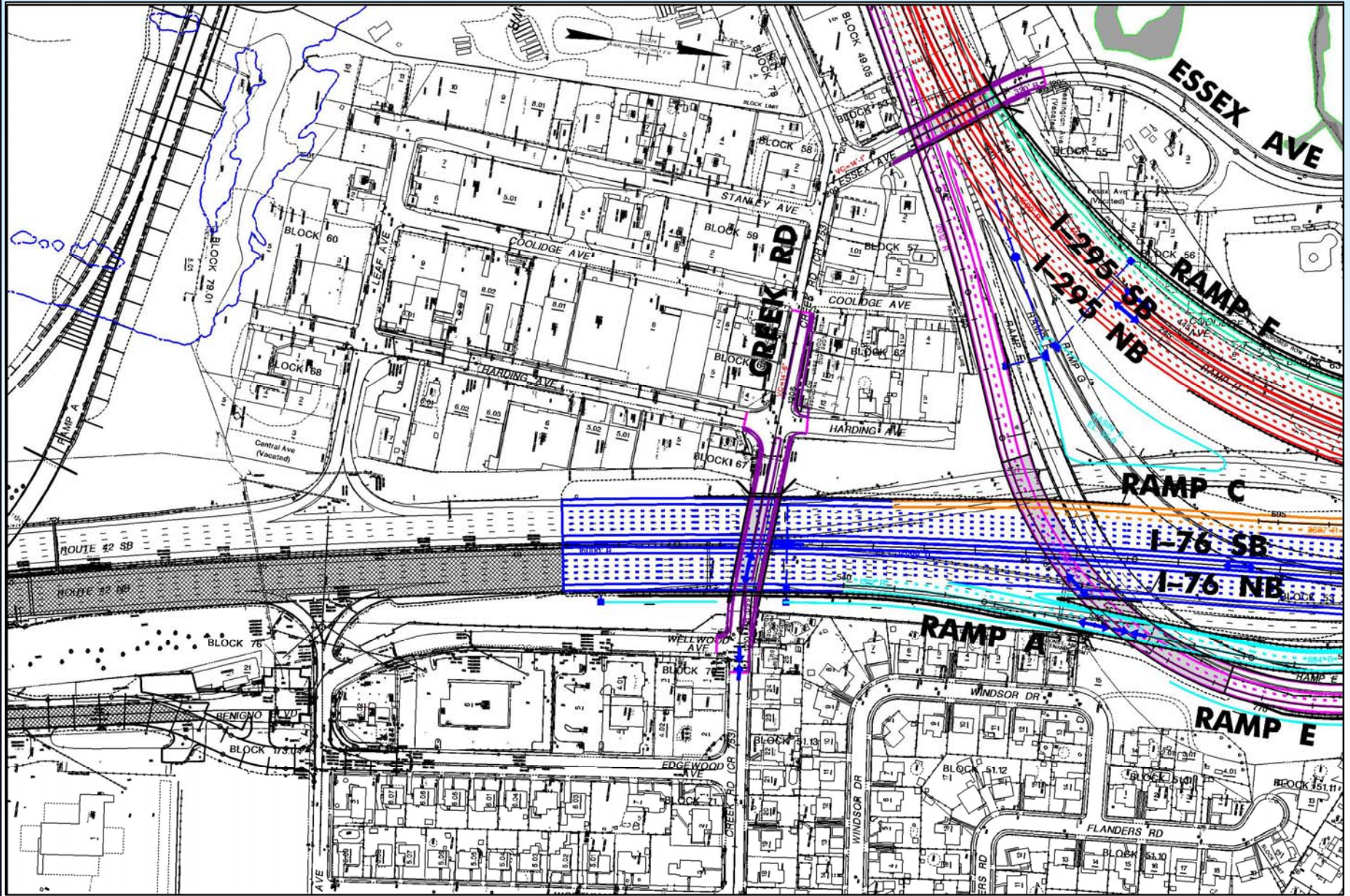
ALTERNATIVE D



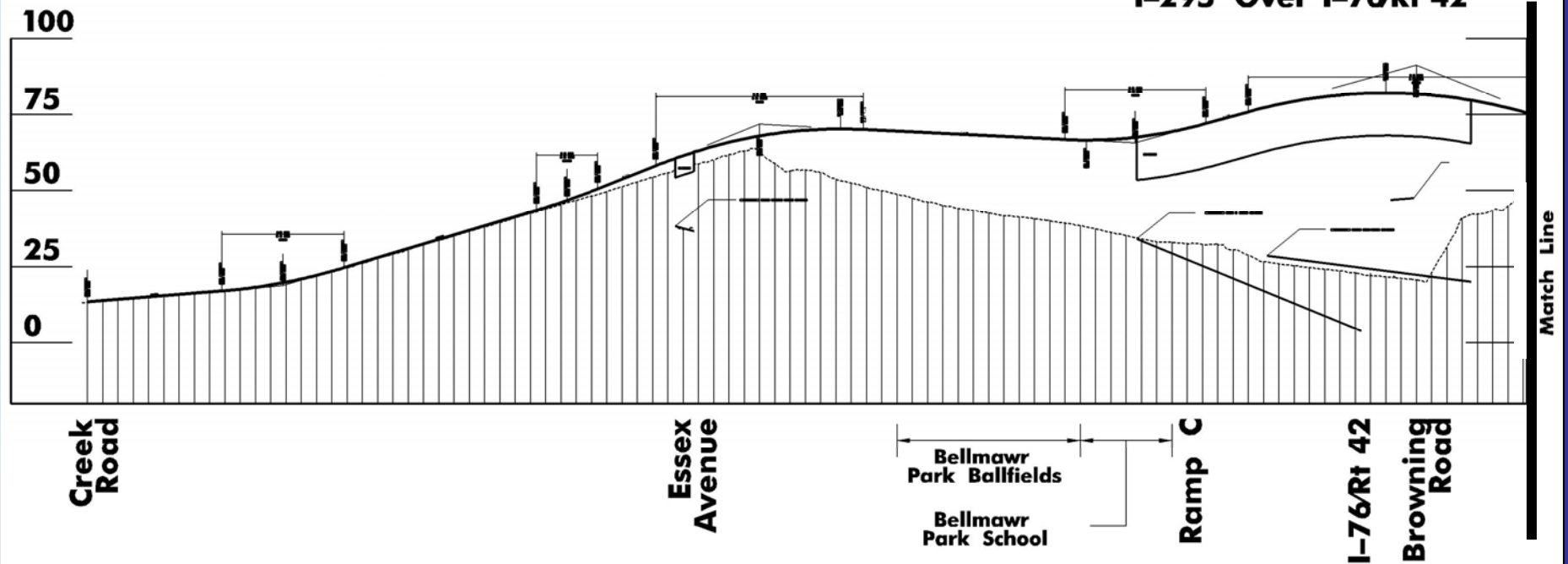
ALTERNATIVE D



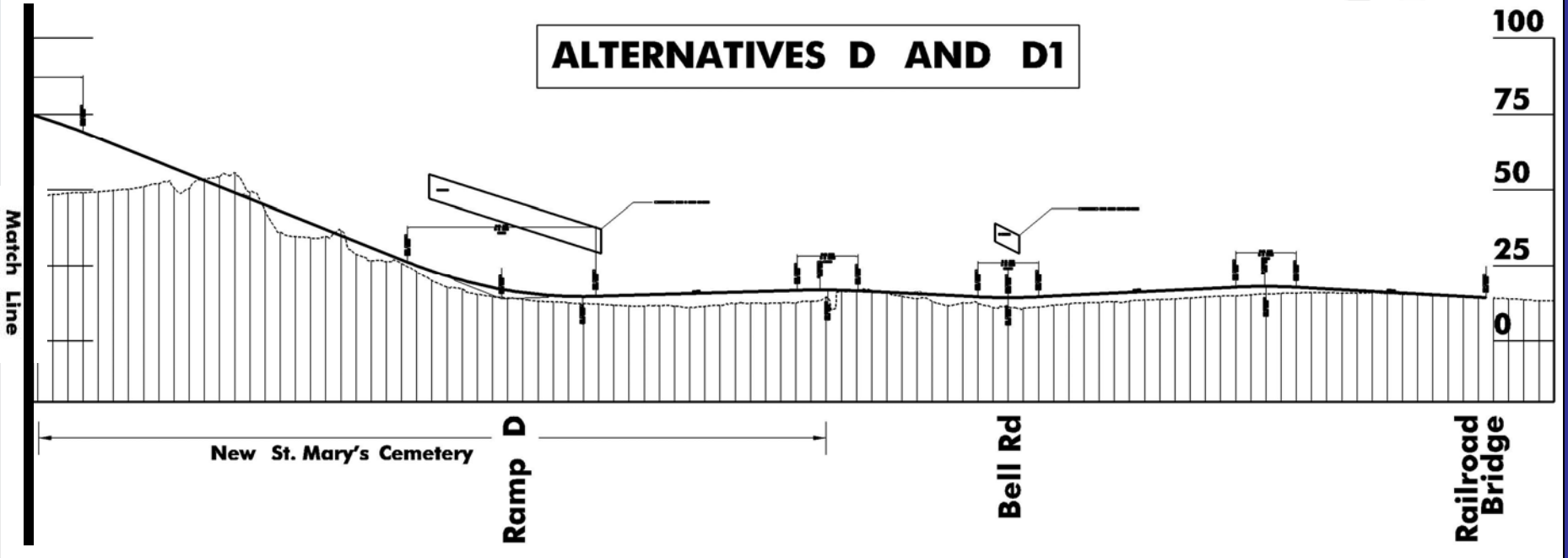
ALTERNATIVE D



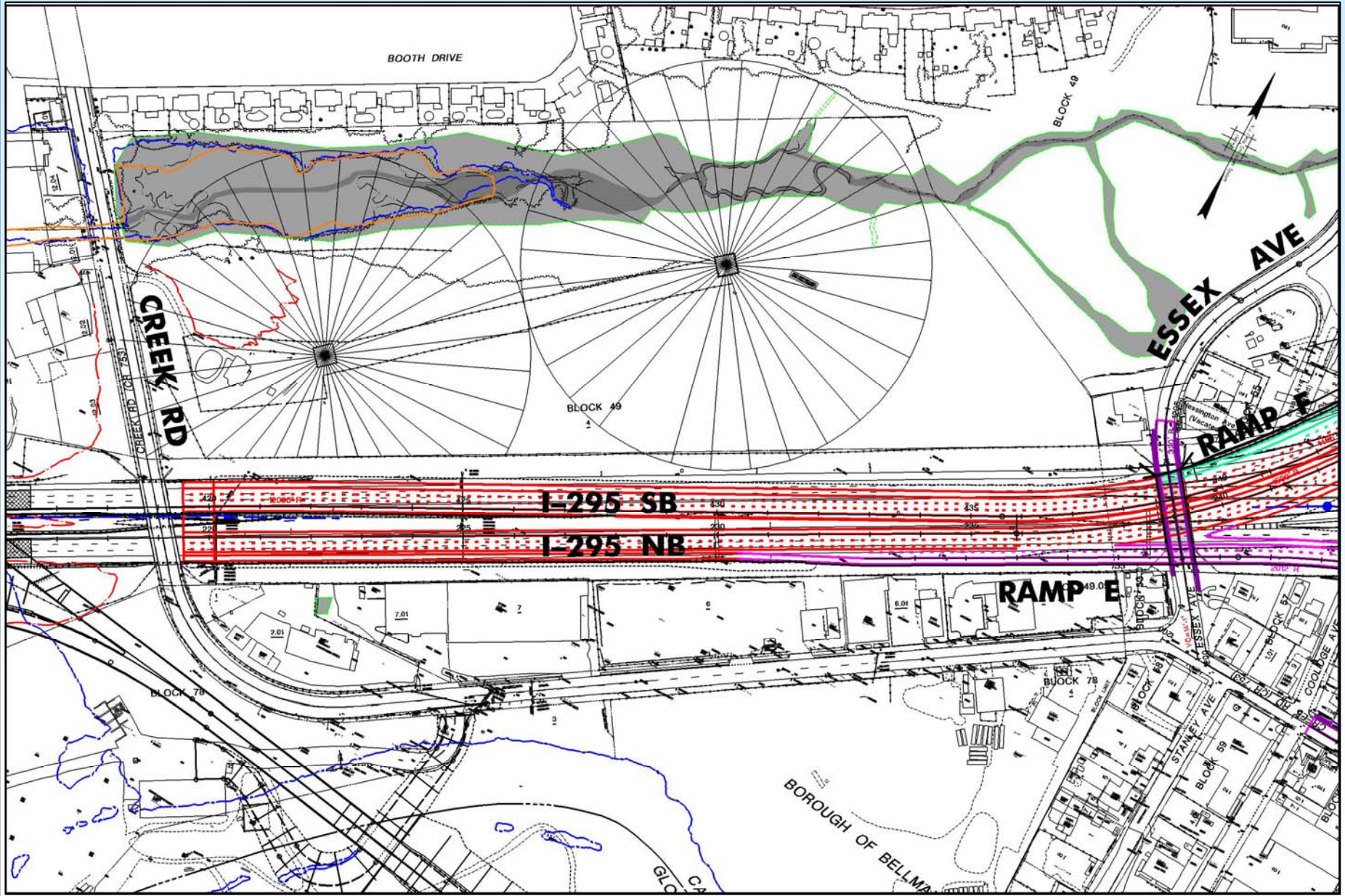
I-295 Over I-76/Rt 42



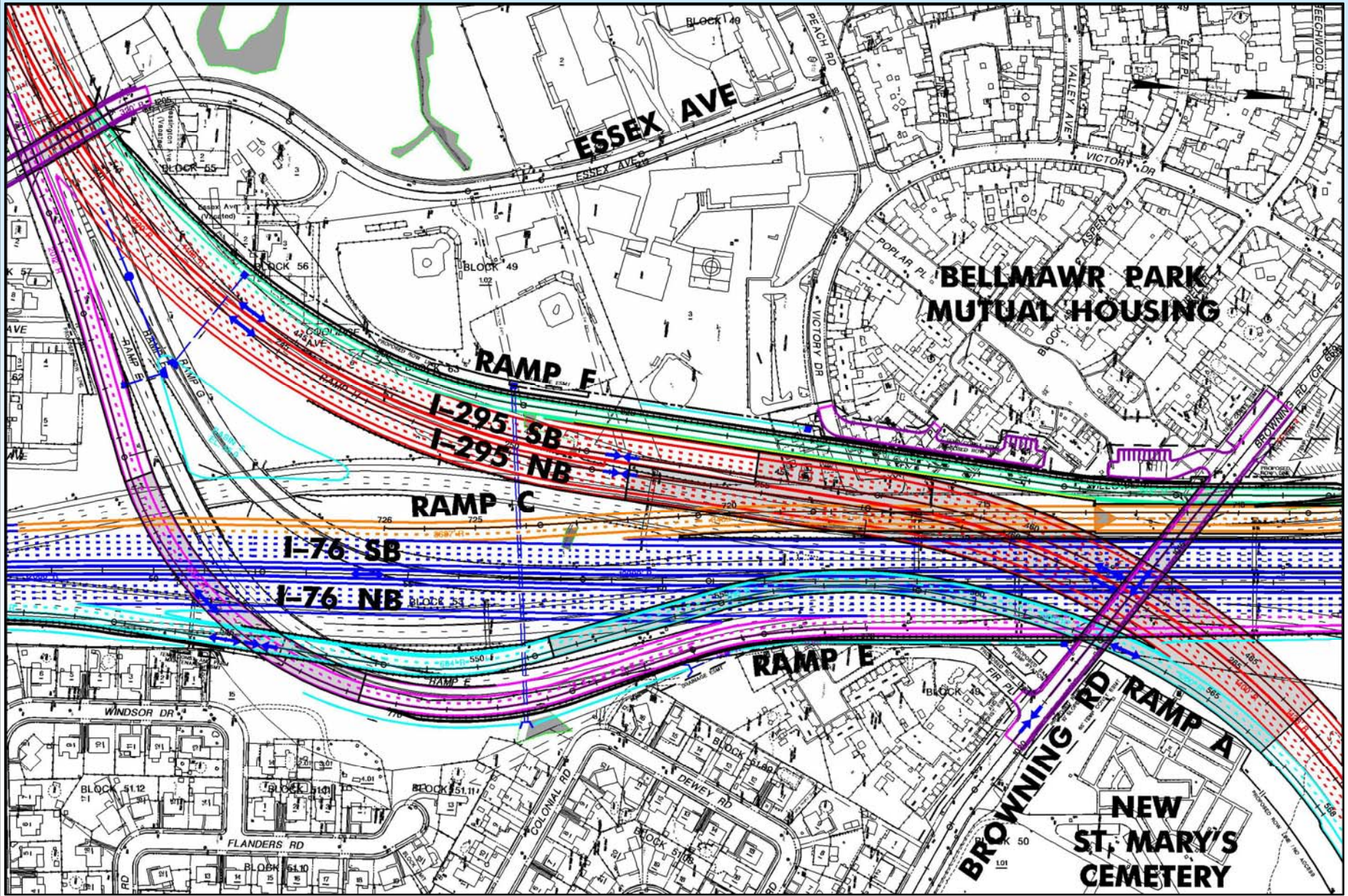
ALTERNATIVES D AND D1



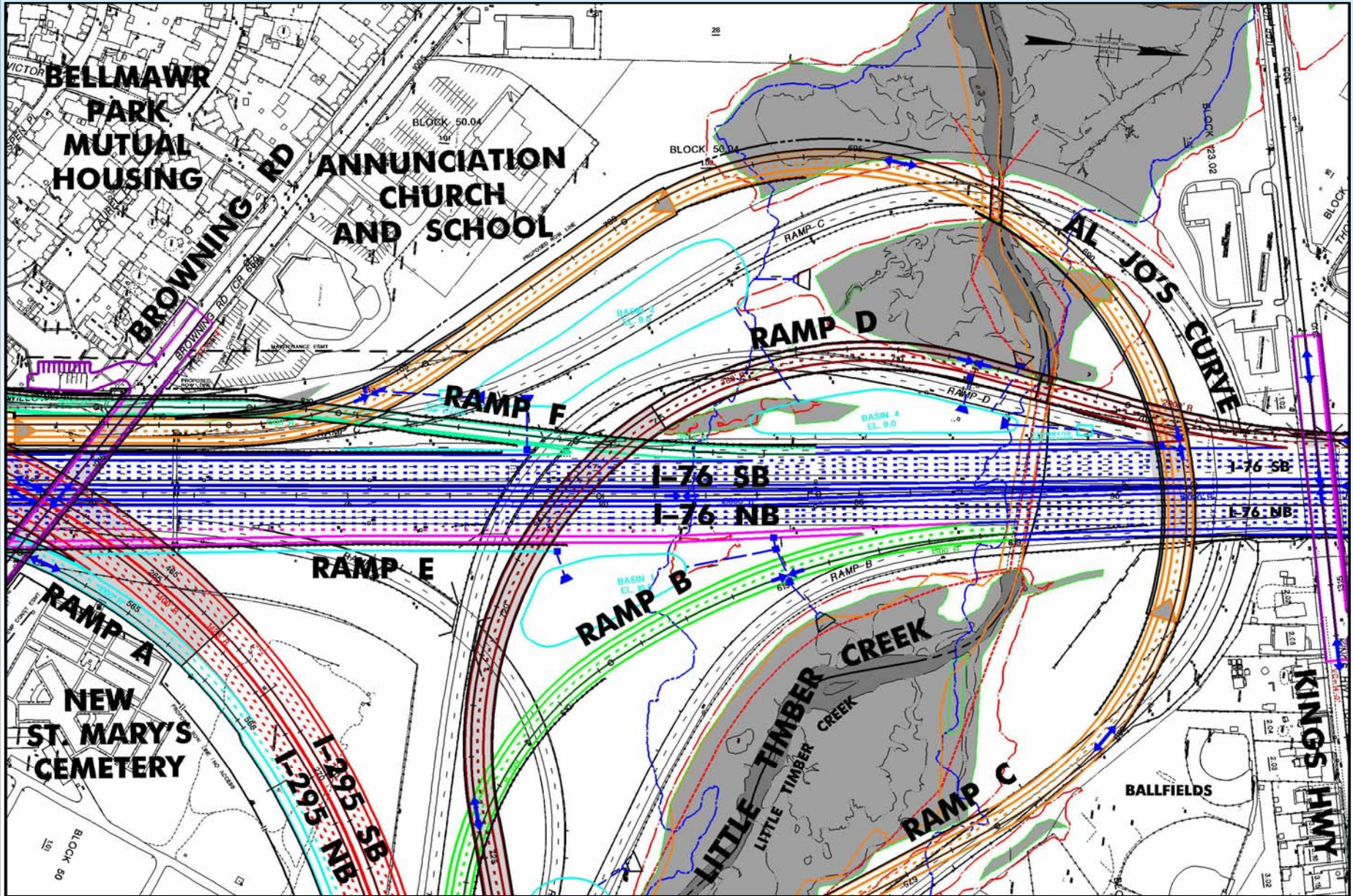
ALTERNATIVE D1



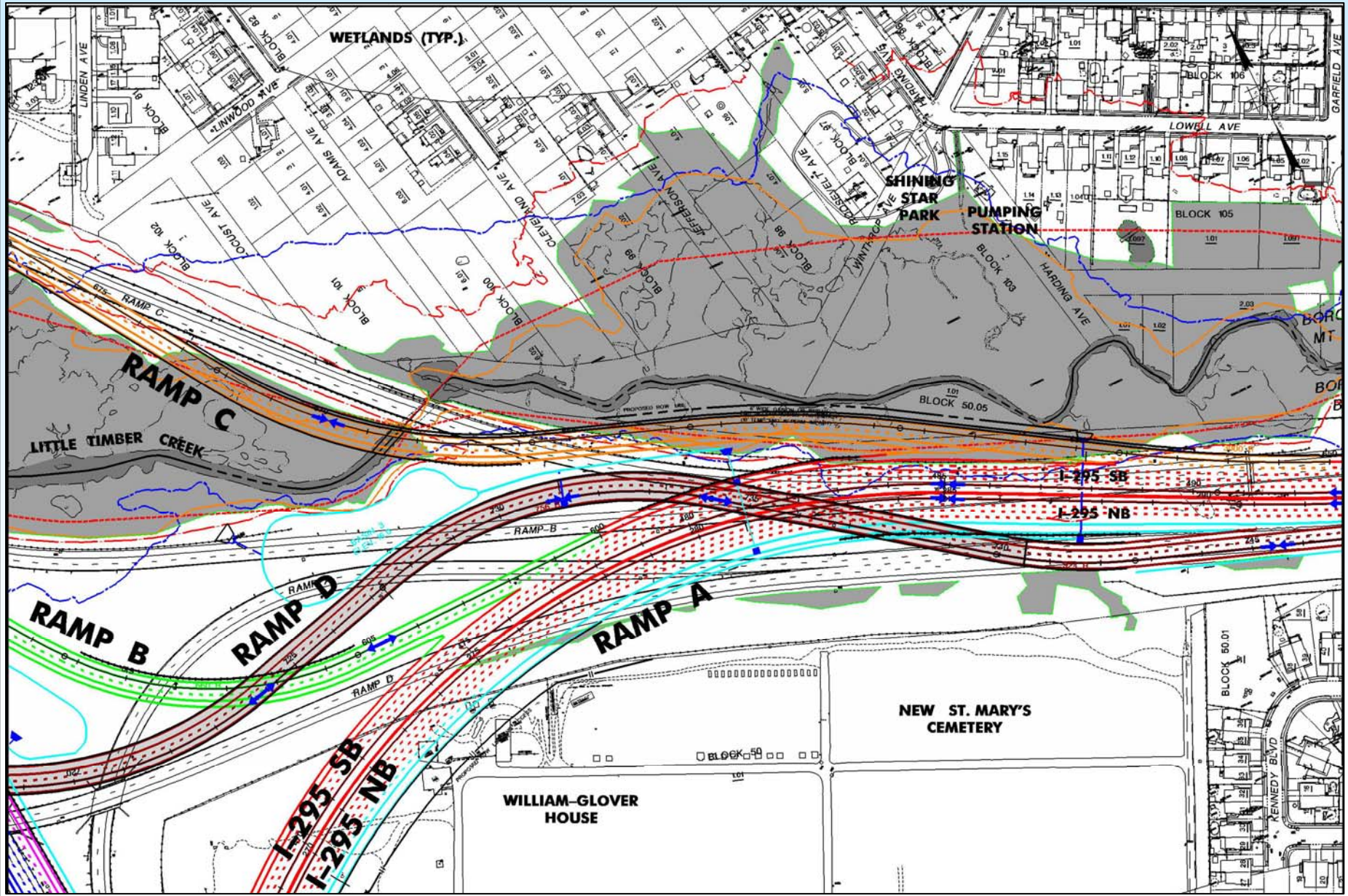
ALTERNATIVE D1



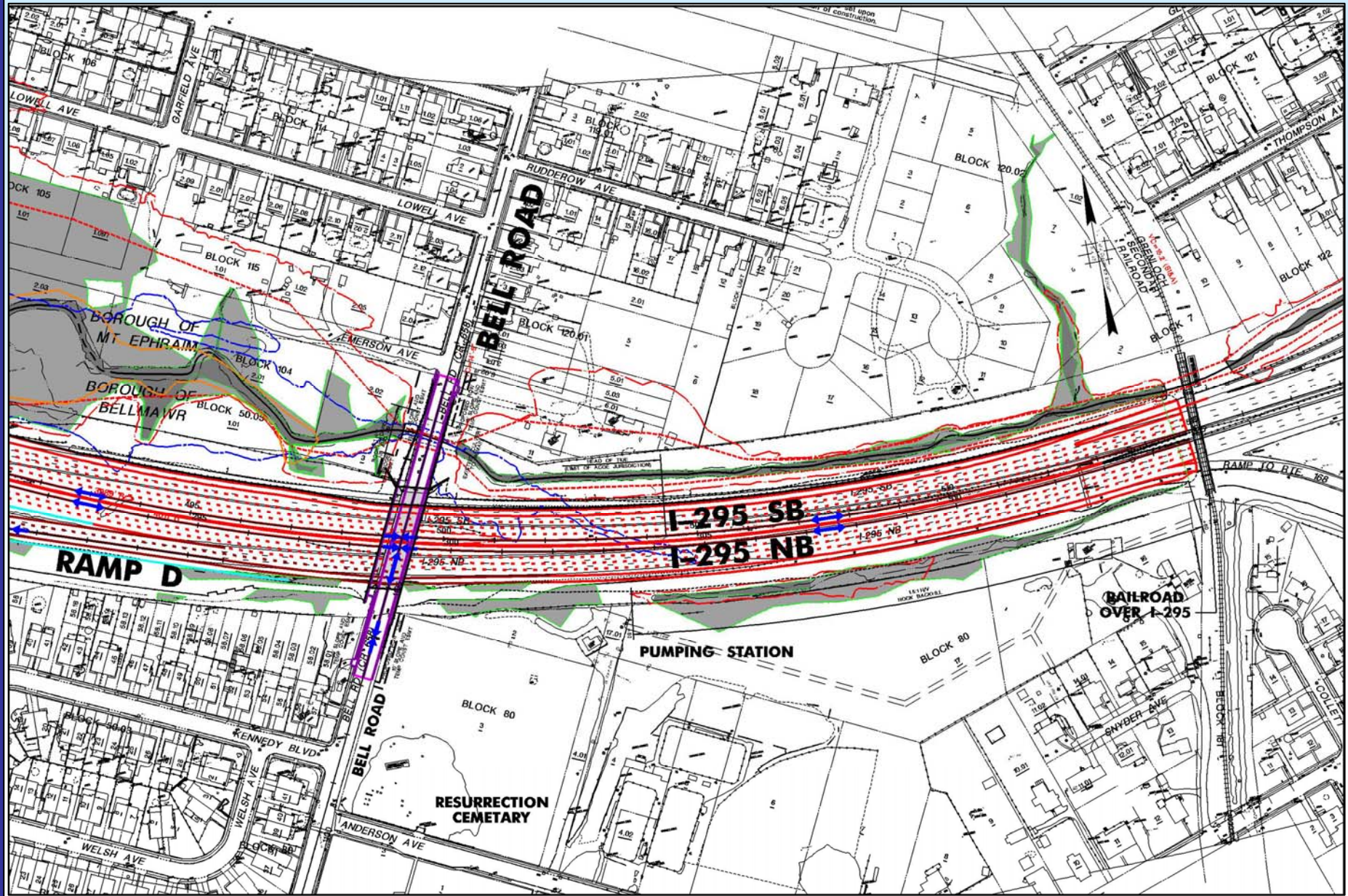
ALTERNATIVE D1



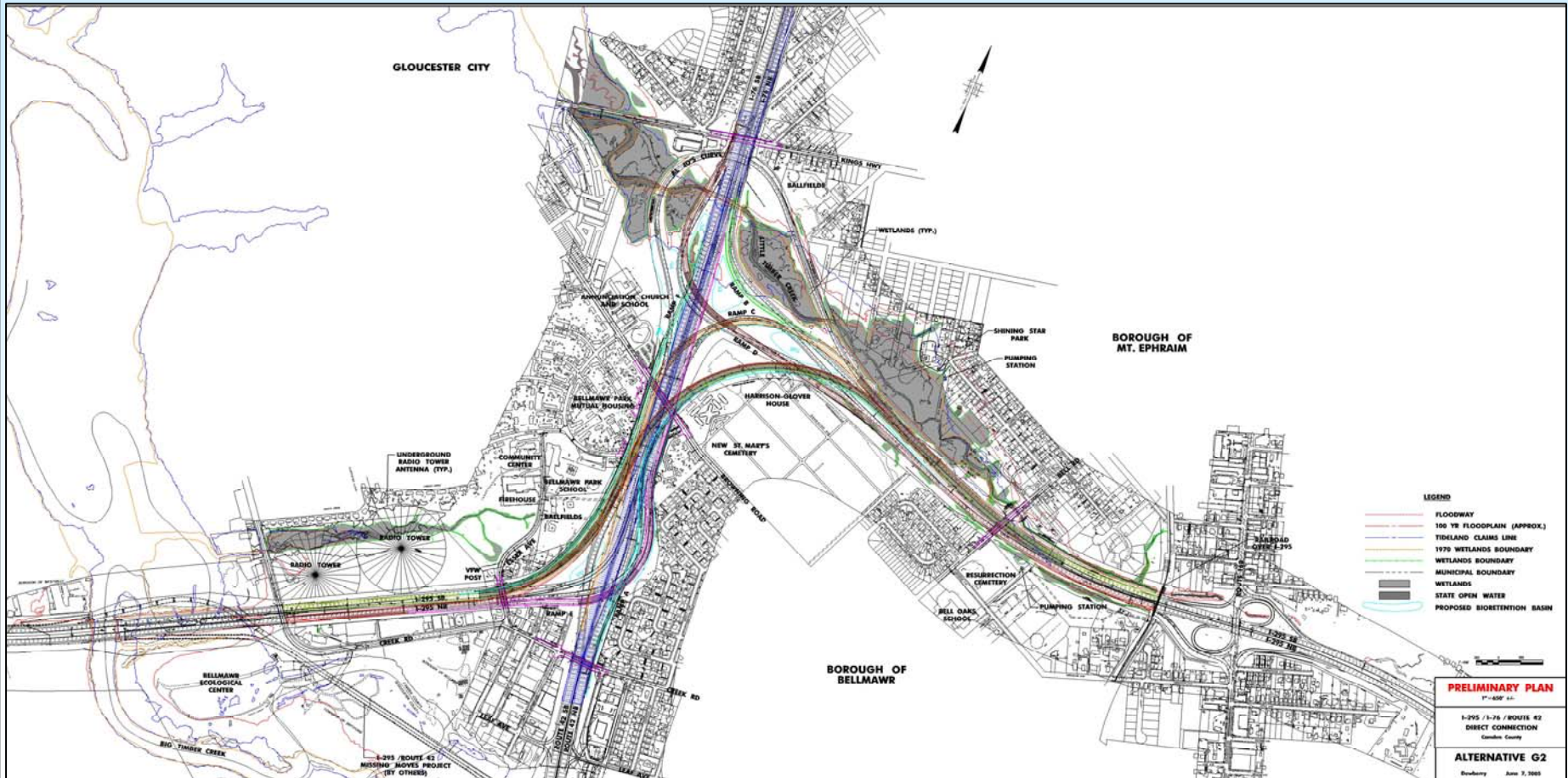
ALTERNATIVE D1



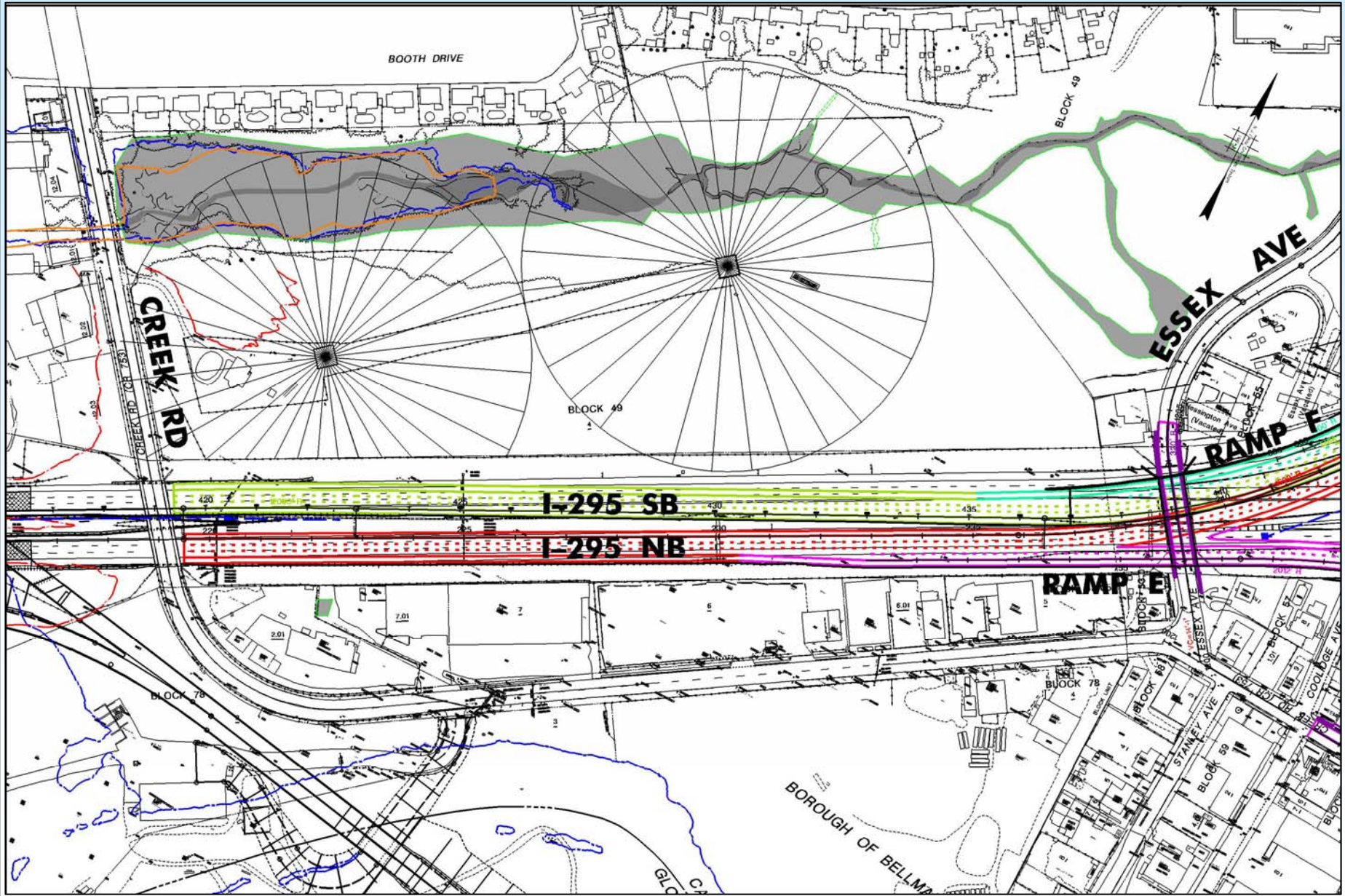
ALTERNATIVE D1



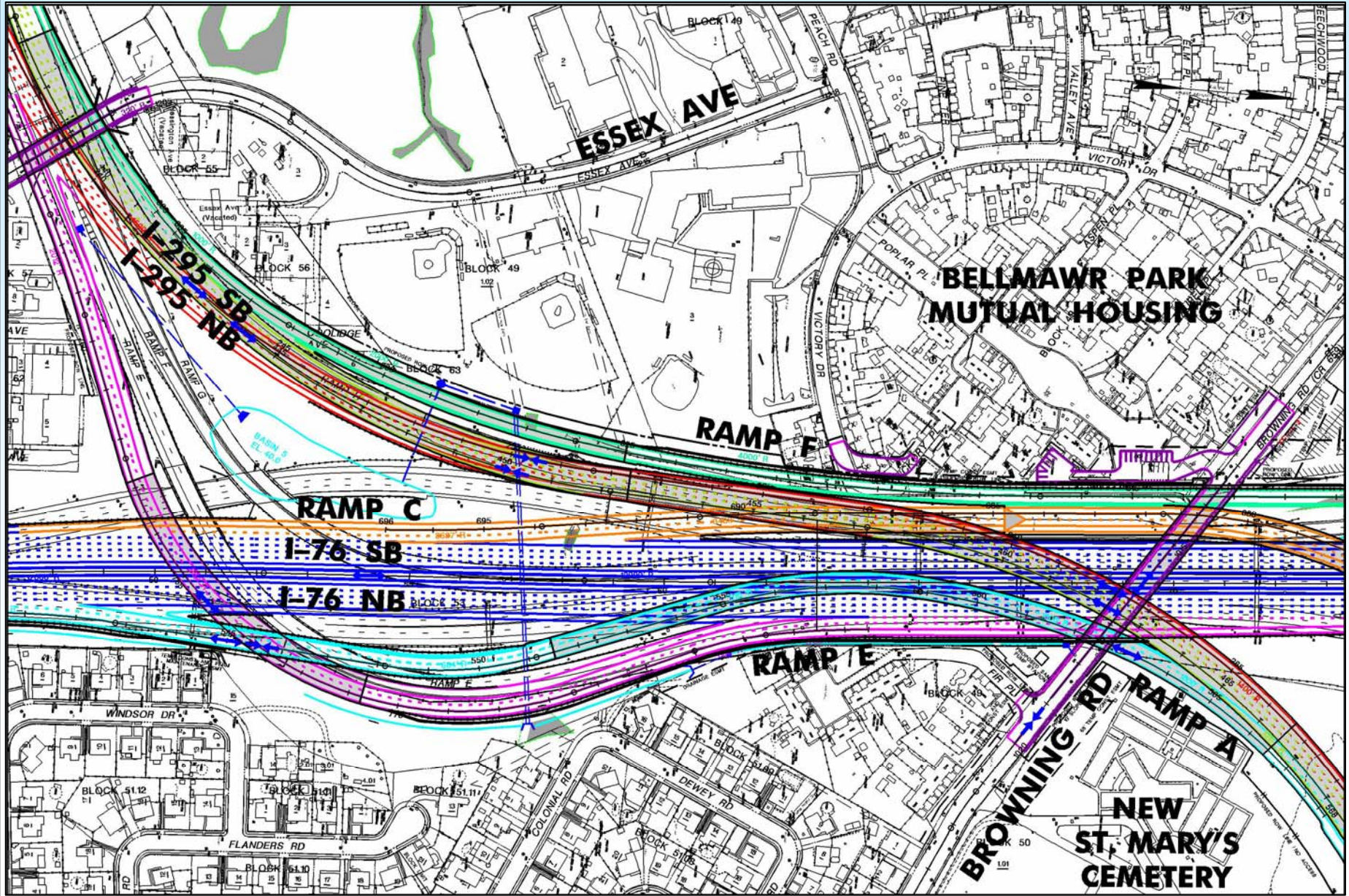
ALTERNATIVE G2



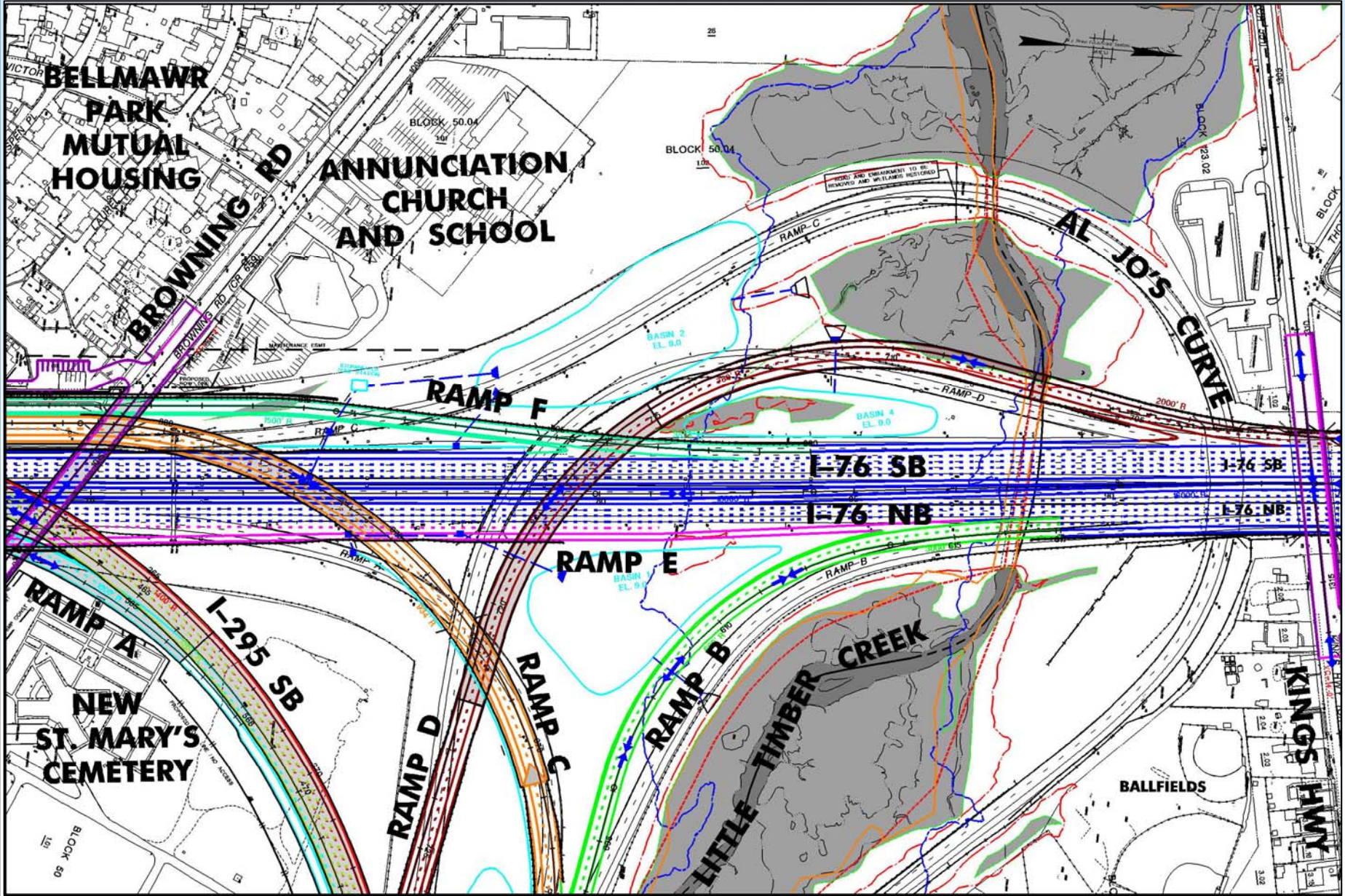
ALTERNATIVE G2



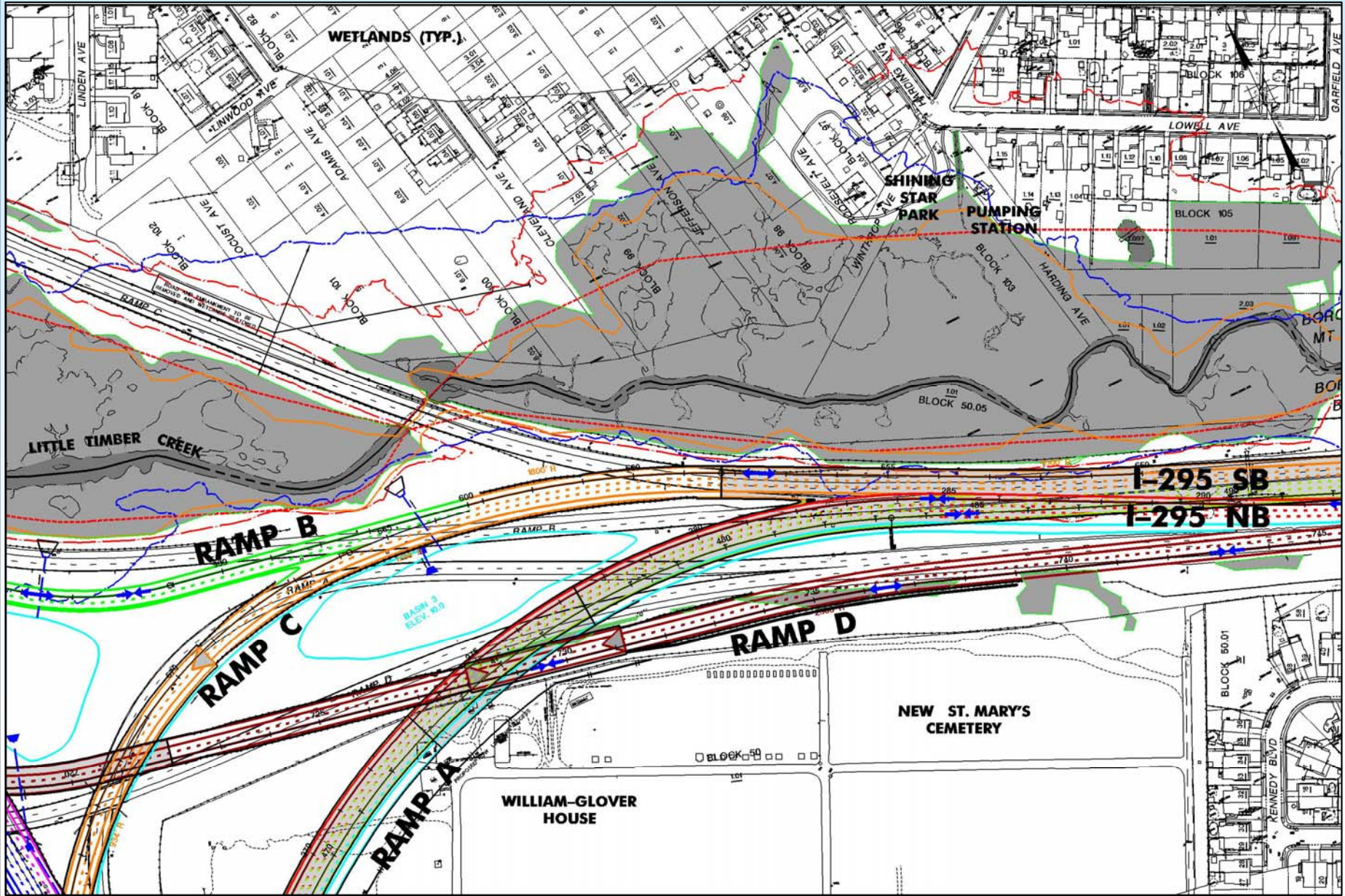
ALTERNATIVE G2



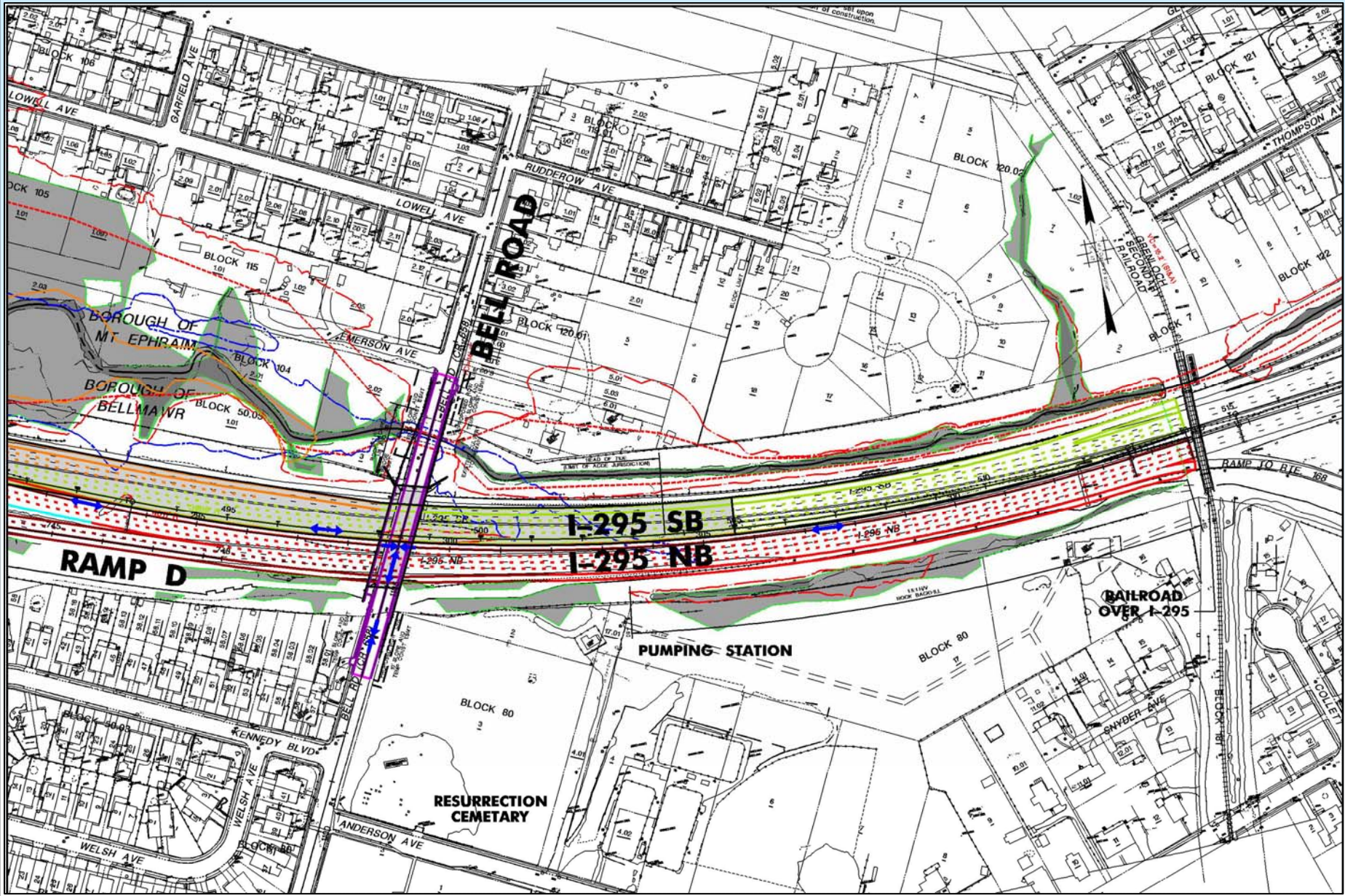
ALTERNATIVE G2



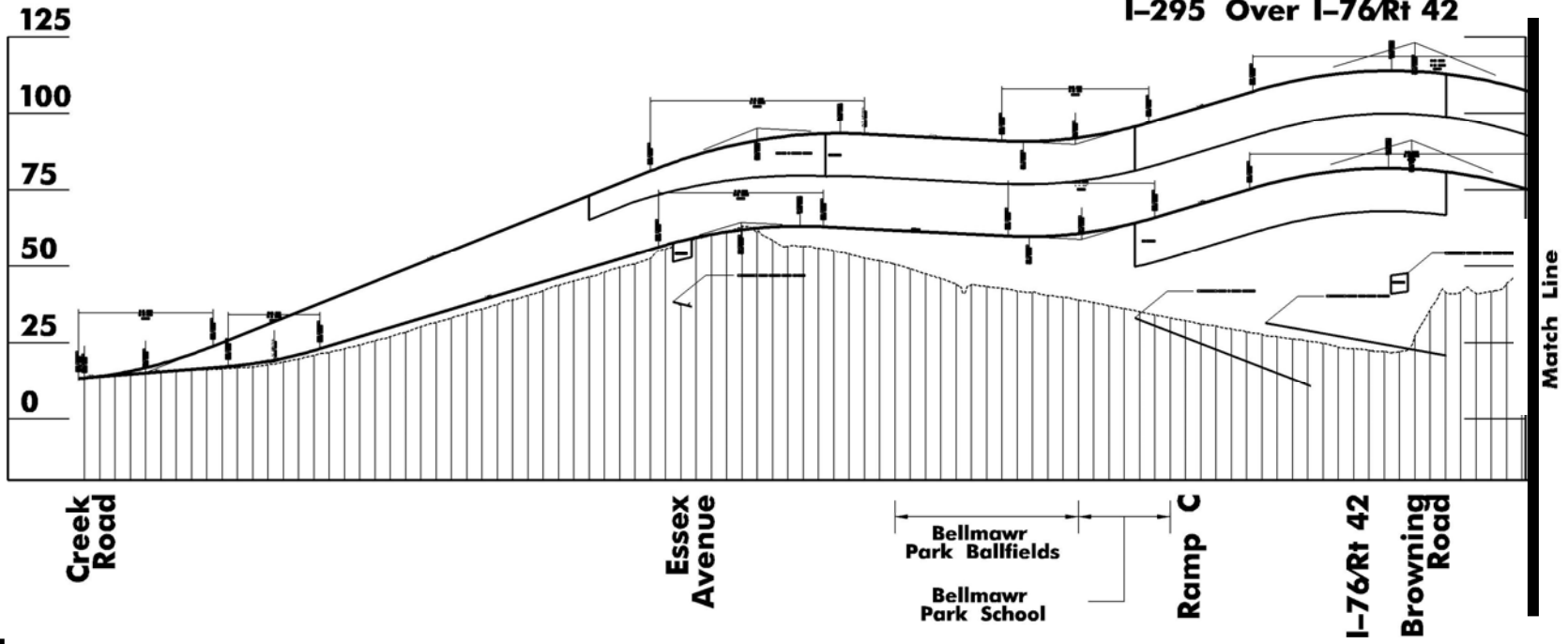
ALTERNATIVE G2



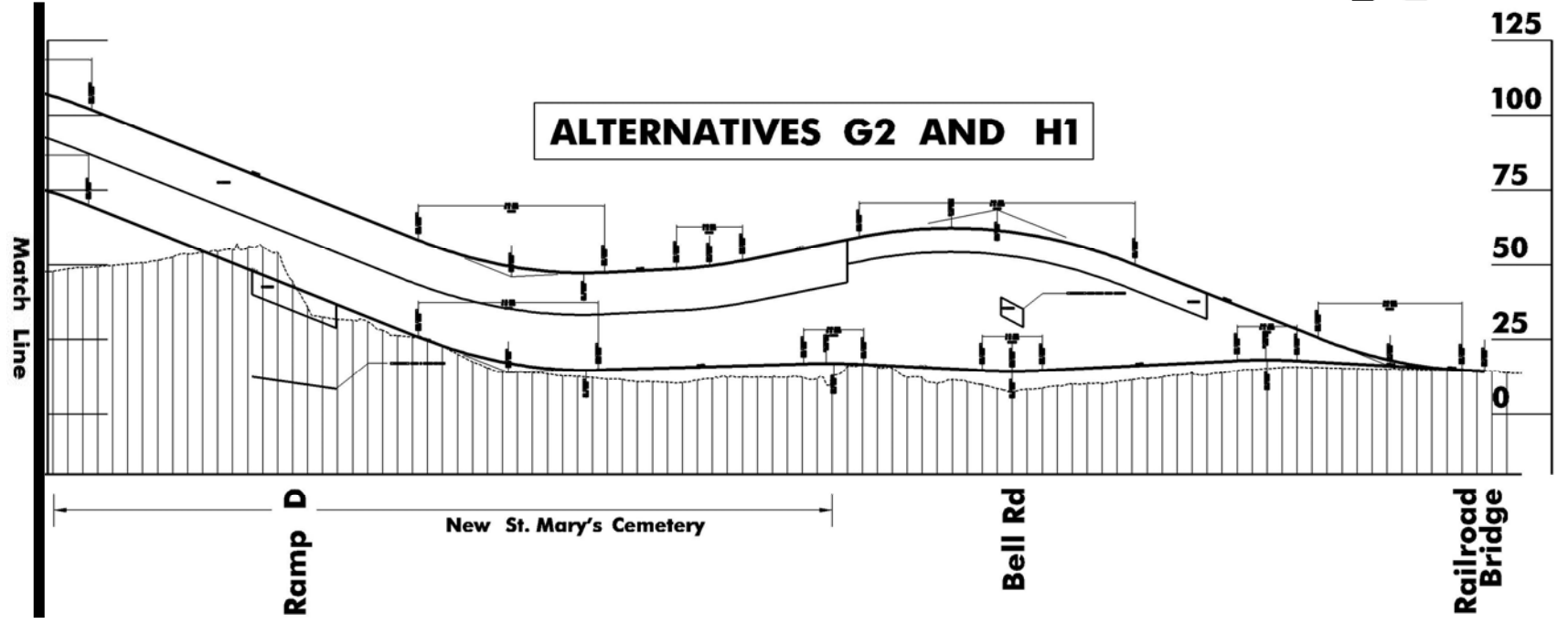
ALTERNATIVE G2



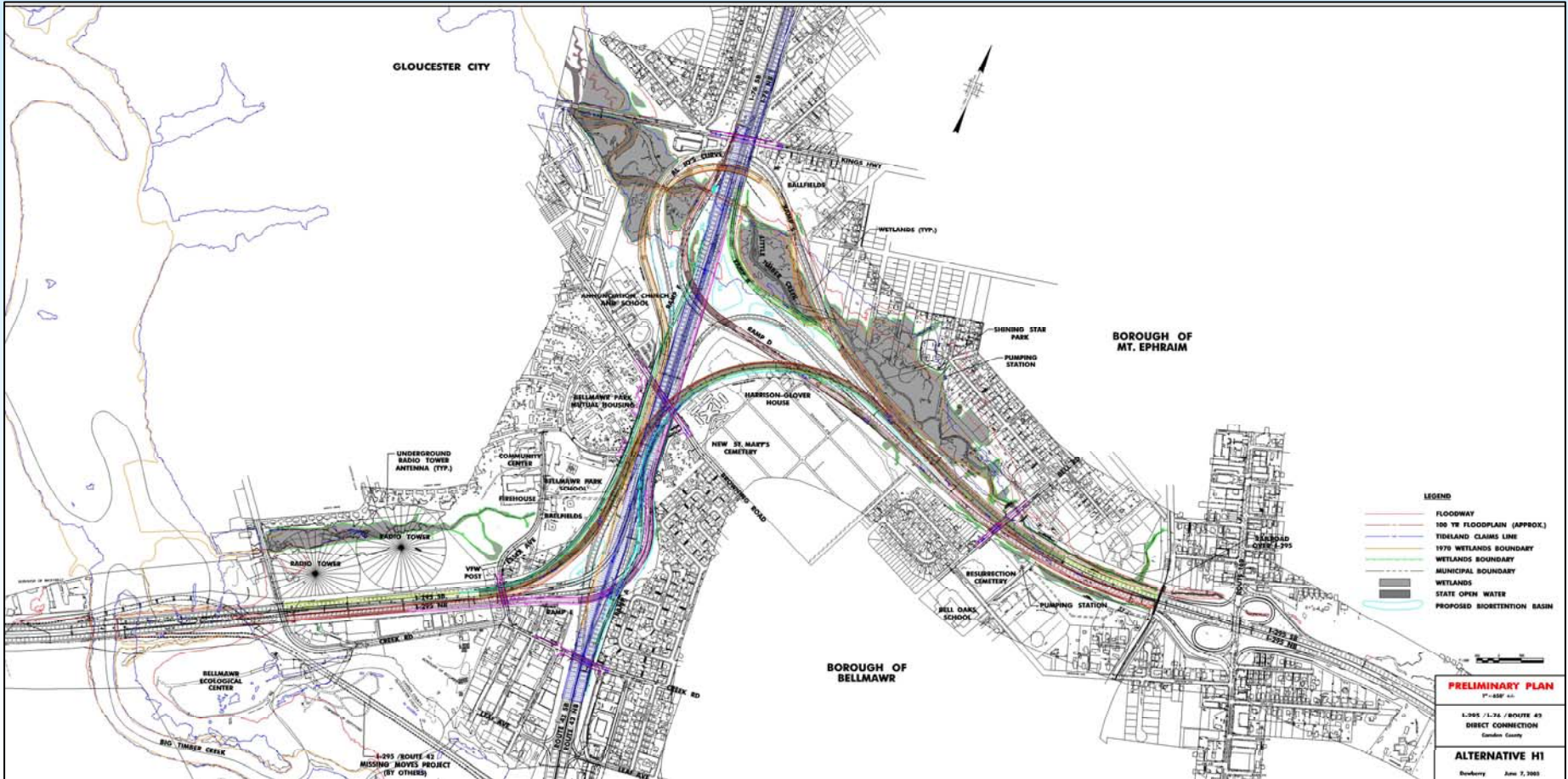
I-295 Over I-76/Rt 42



ALTERNATIVES G2 AND H1

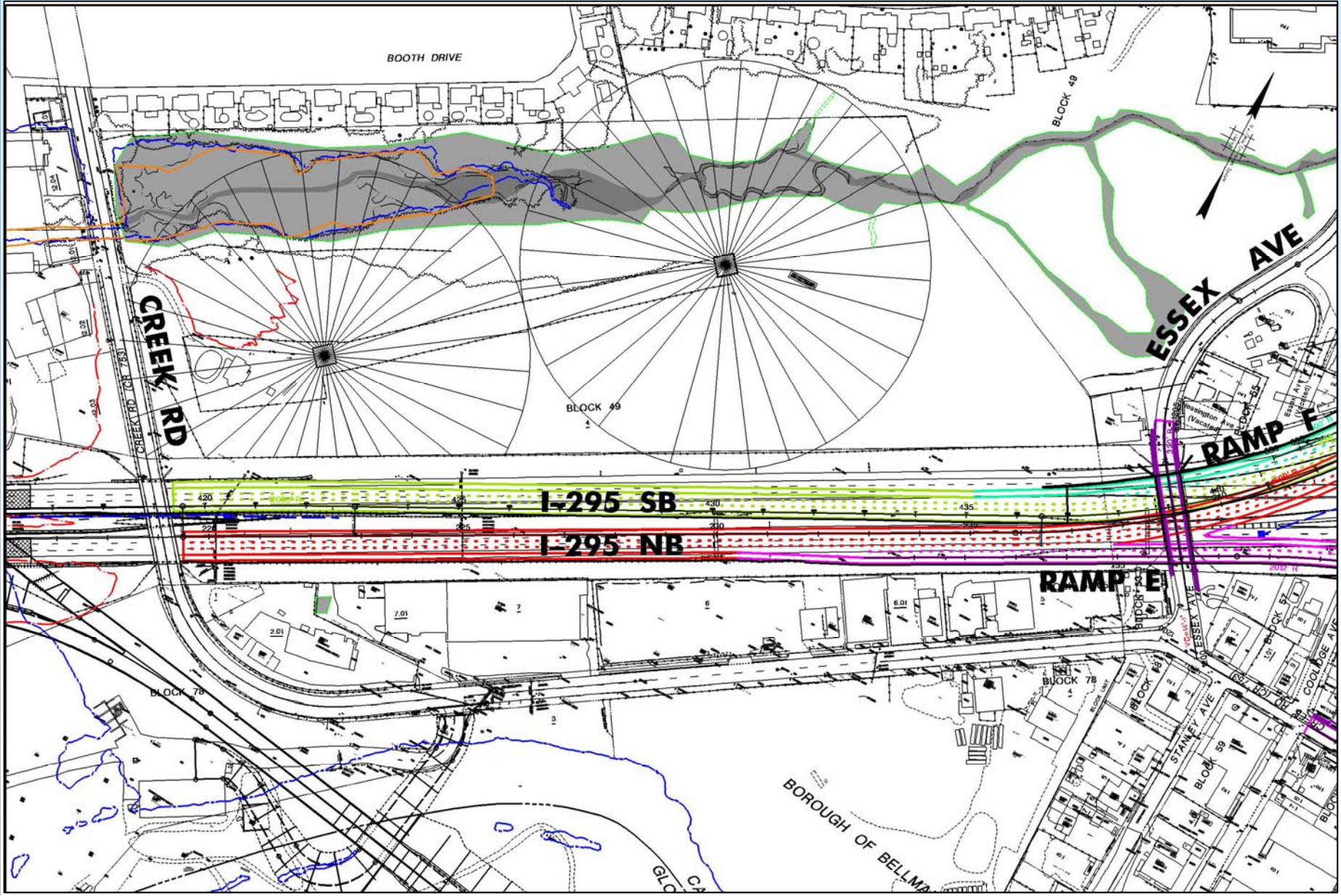


ALTERNATIVE H1

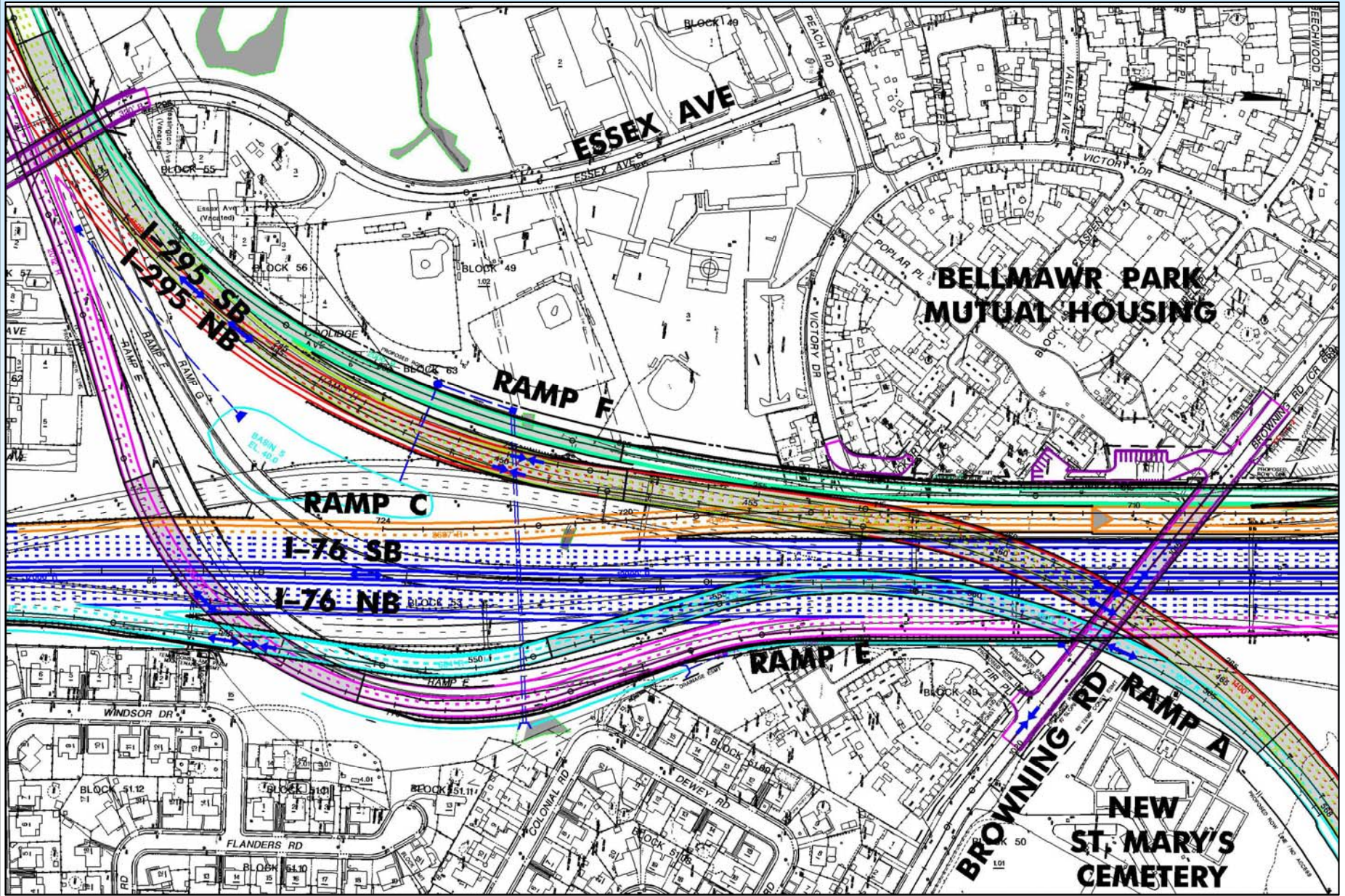


PRELIMINARY PLAN
 1"=50' x 1"=50'
 I-295 / ROUTE 42 / ROUTE 43
 DIRECT CONNECTION
 Camden County
ALTERNATIVE H1
 Rockway June 7, 2002

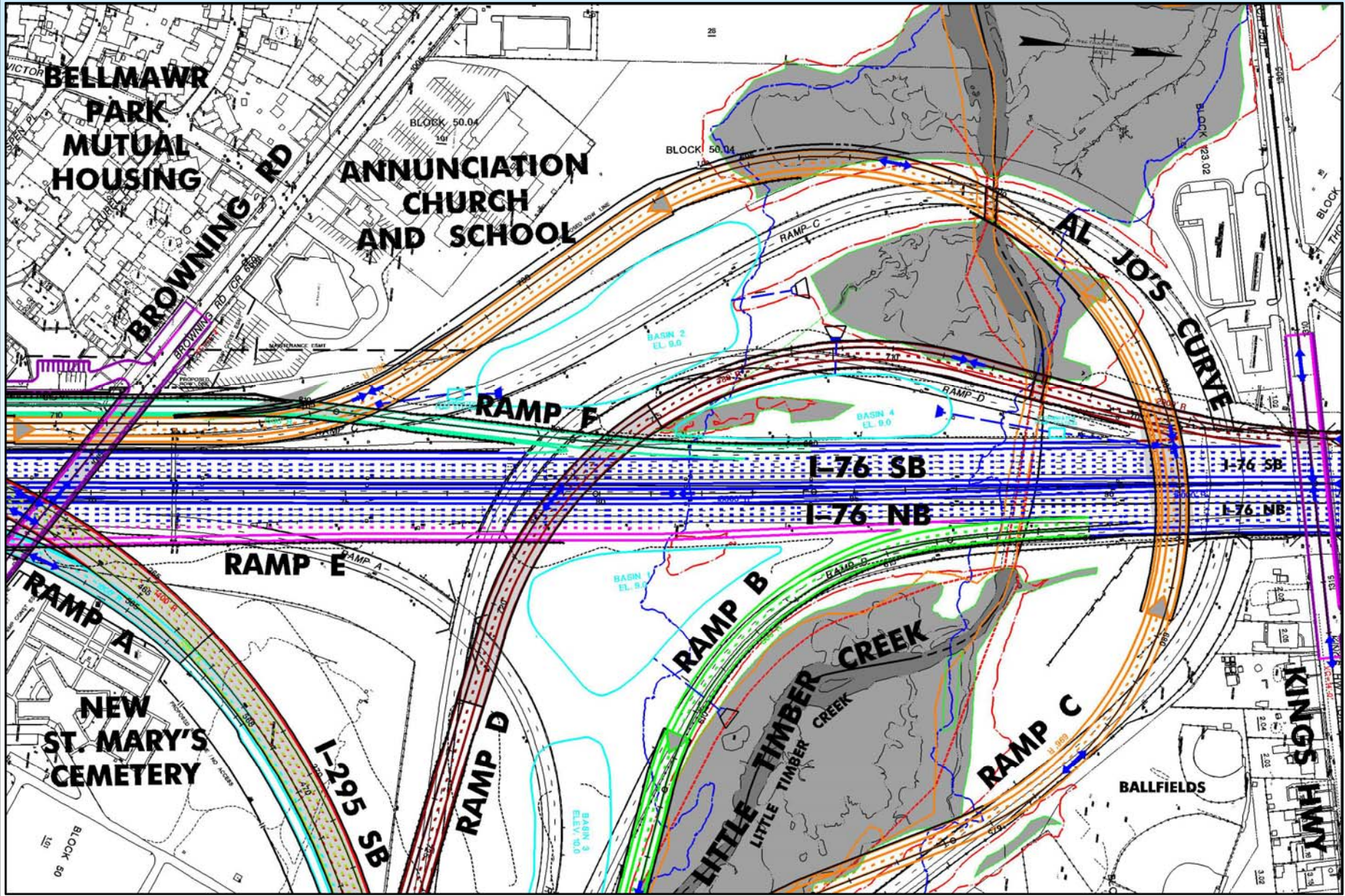
ALTERNATIVE H1



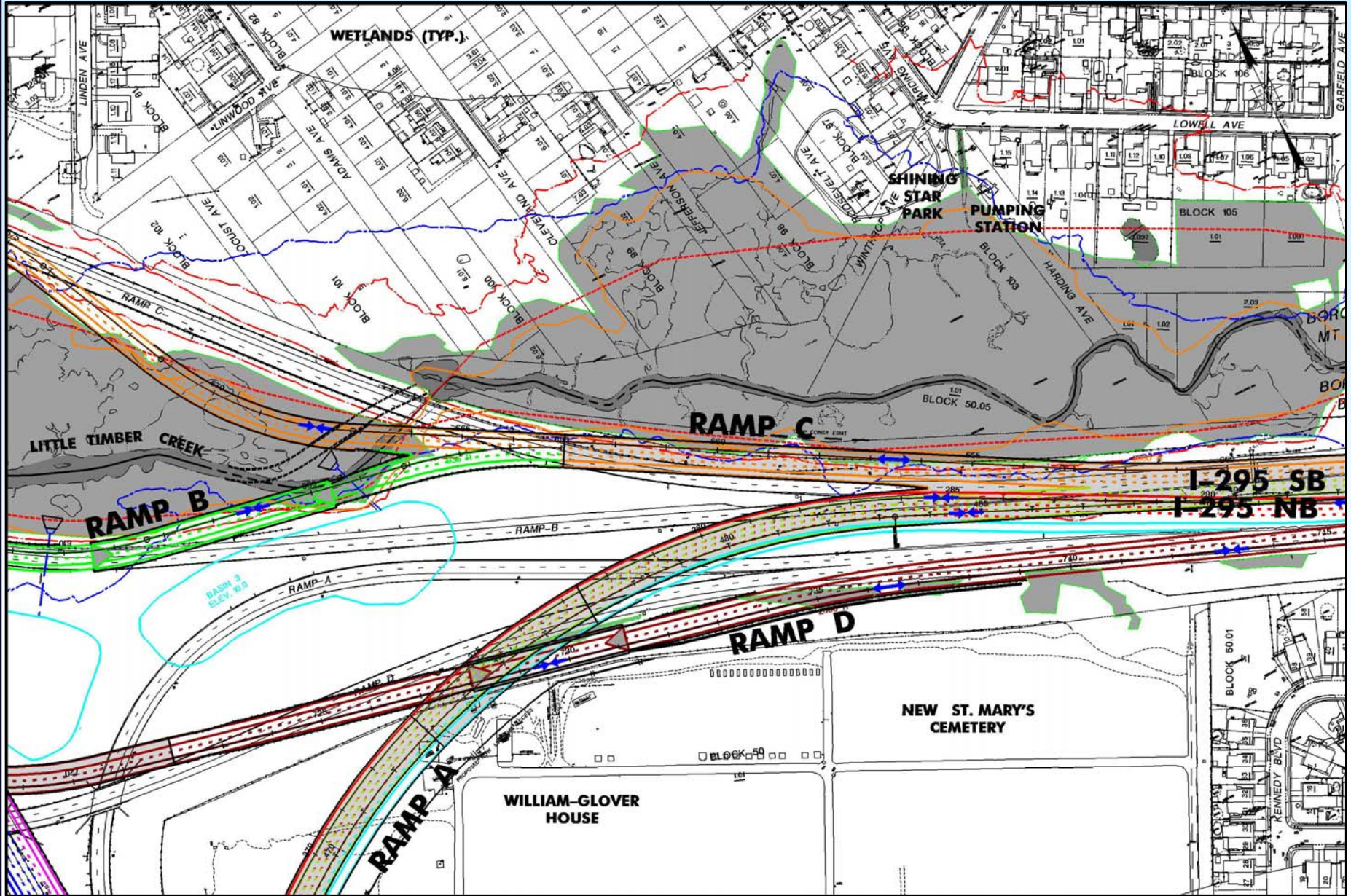
ALTERNATIVE H1



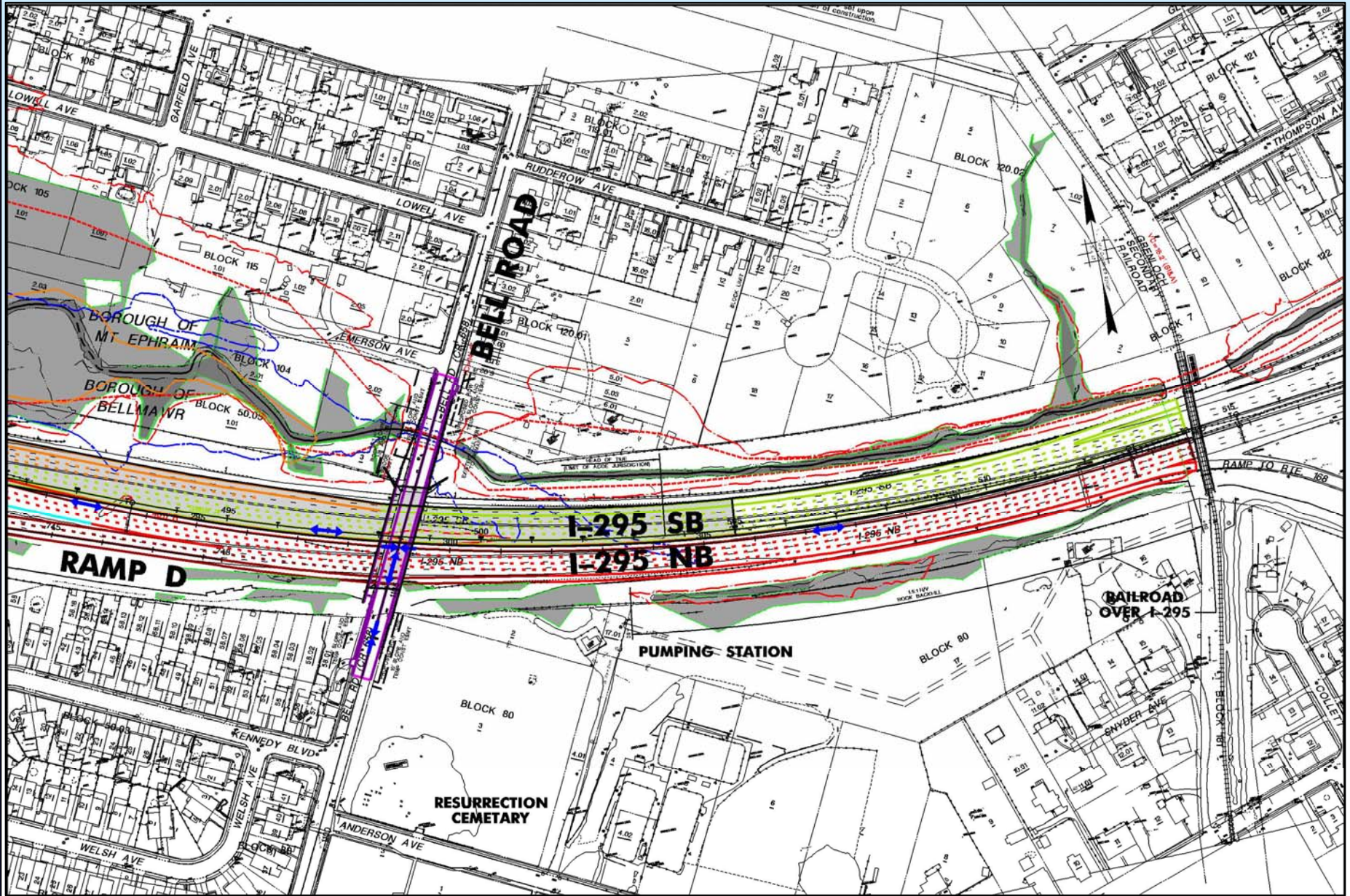
ALTERNATIVE H1



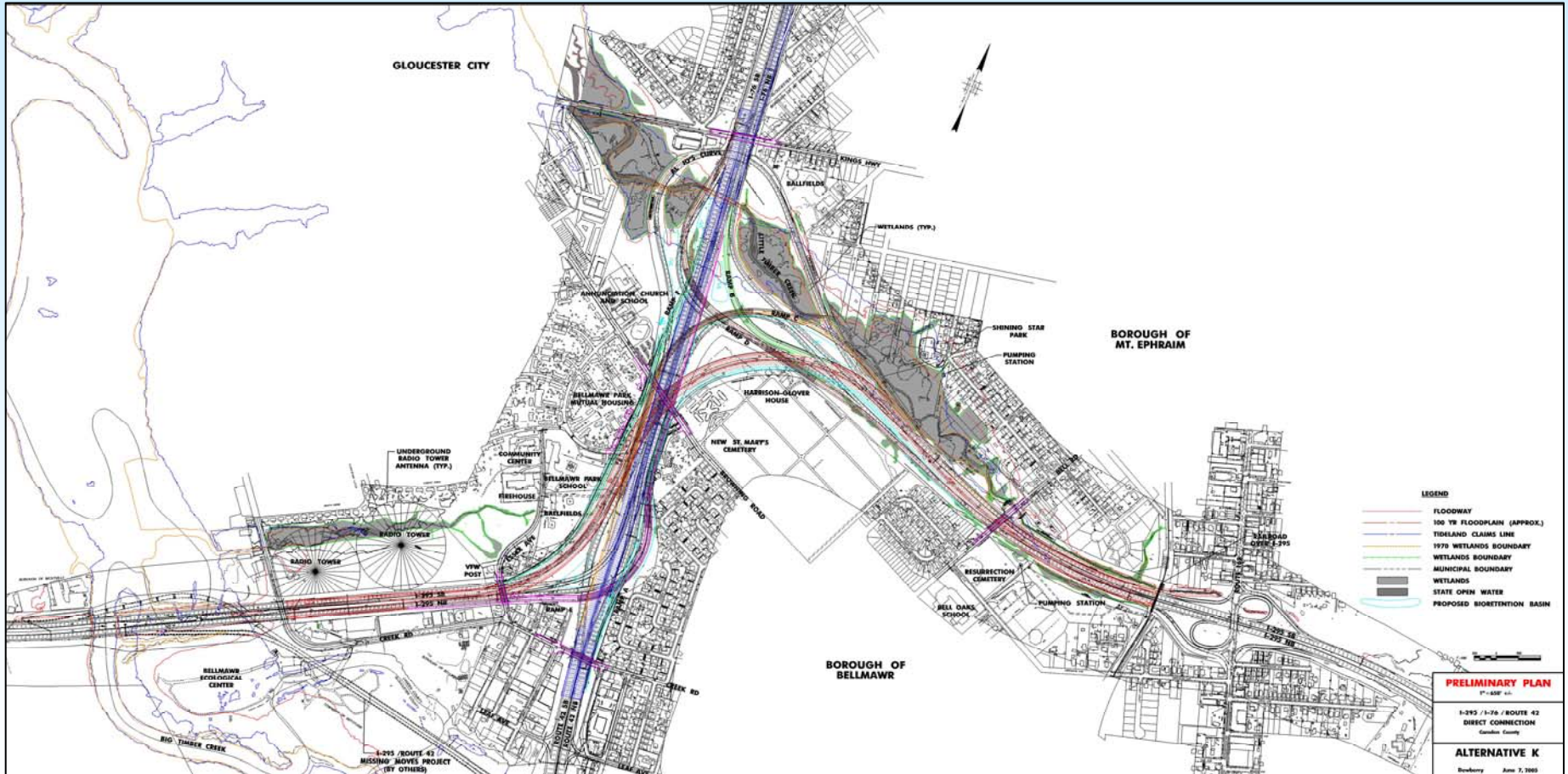
ALTERNATIVE H1



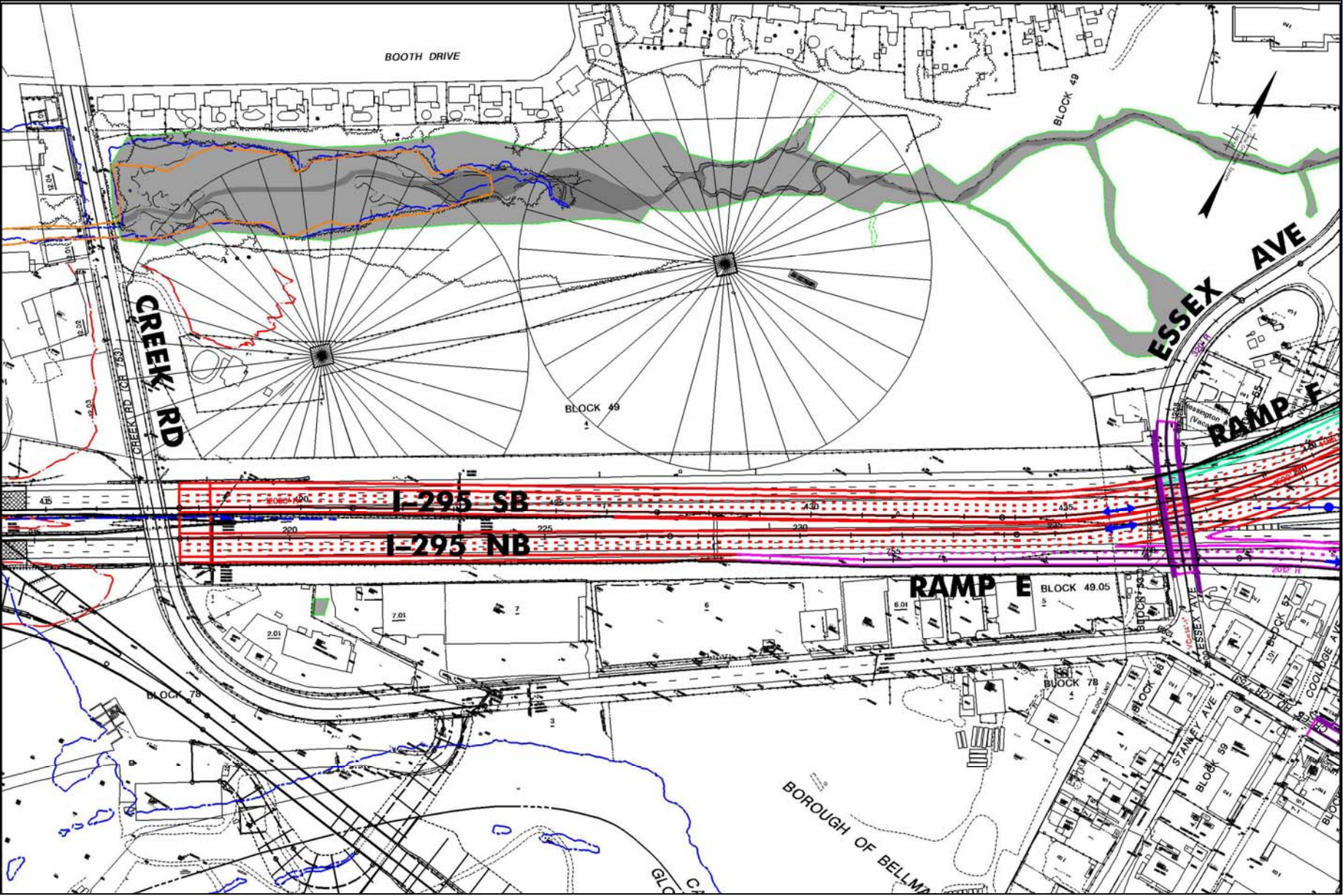
ALTERNATIVE H1



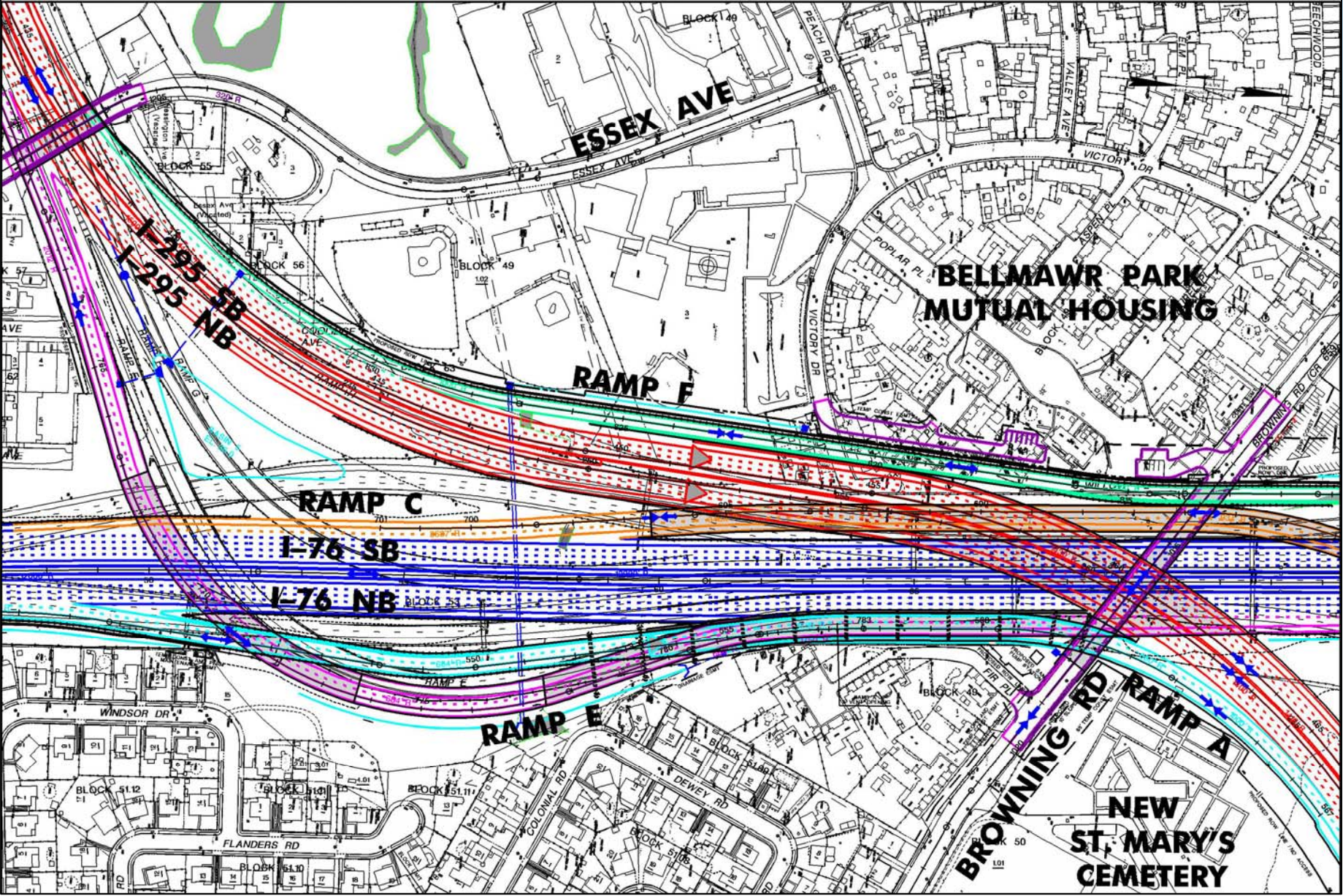
ALTERNATIVE K



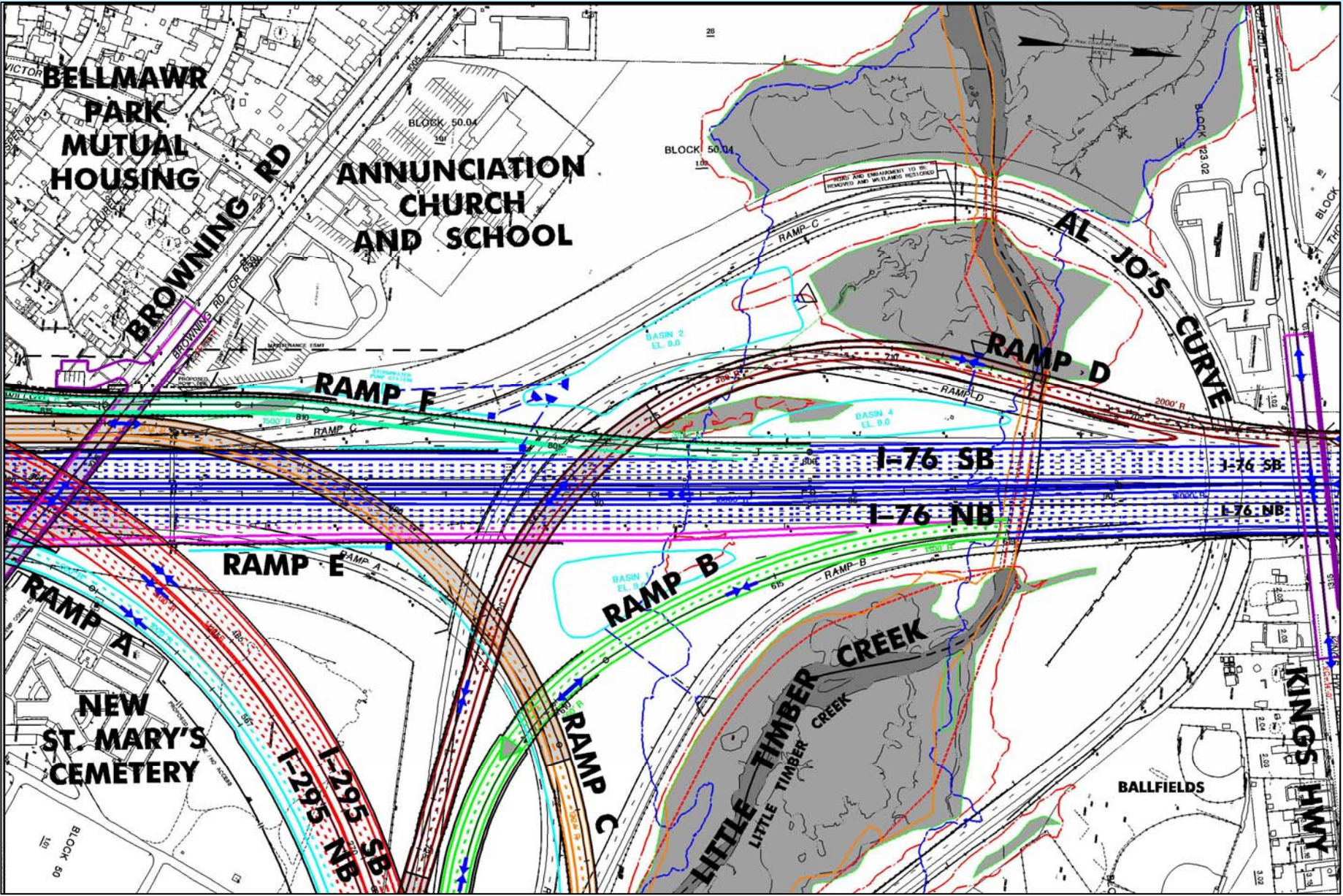
ALTERNATIVE K



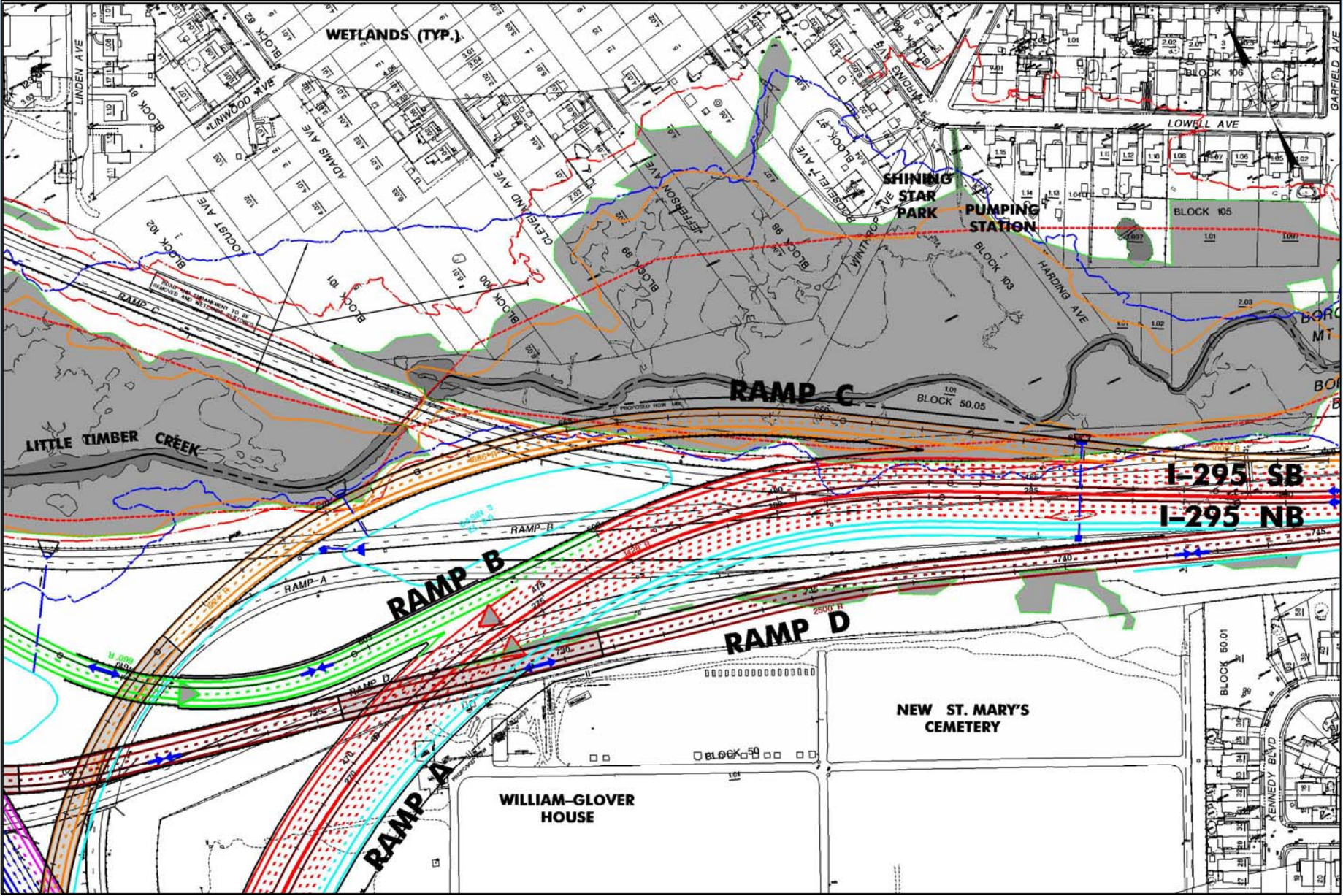
ALTERNATIVE K



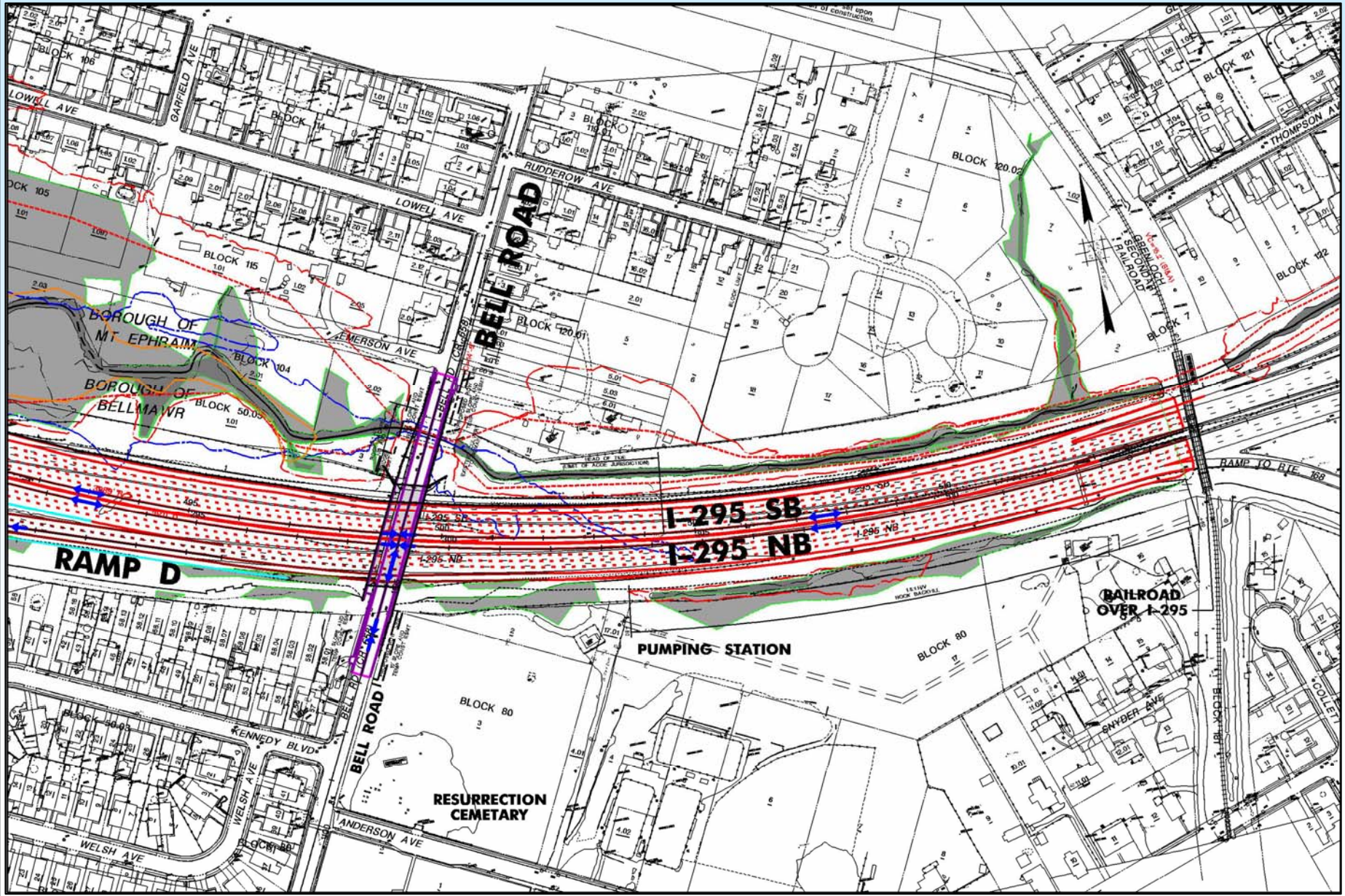
ALTERNATIVE K



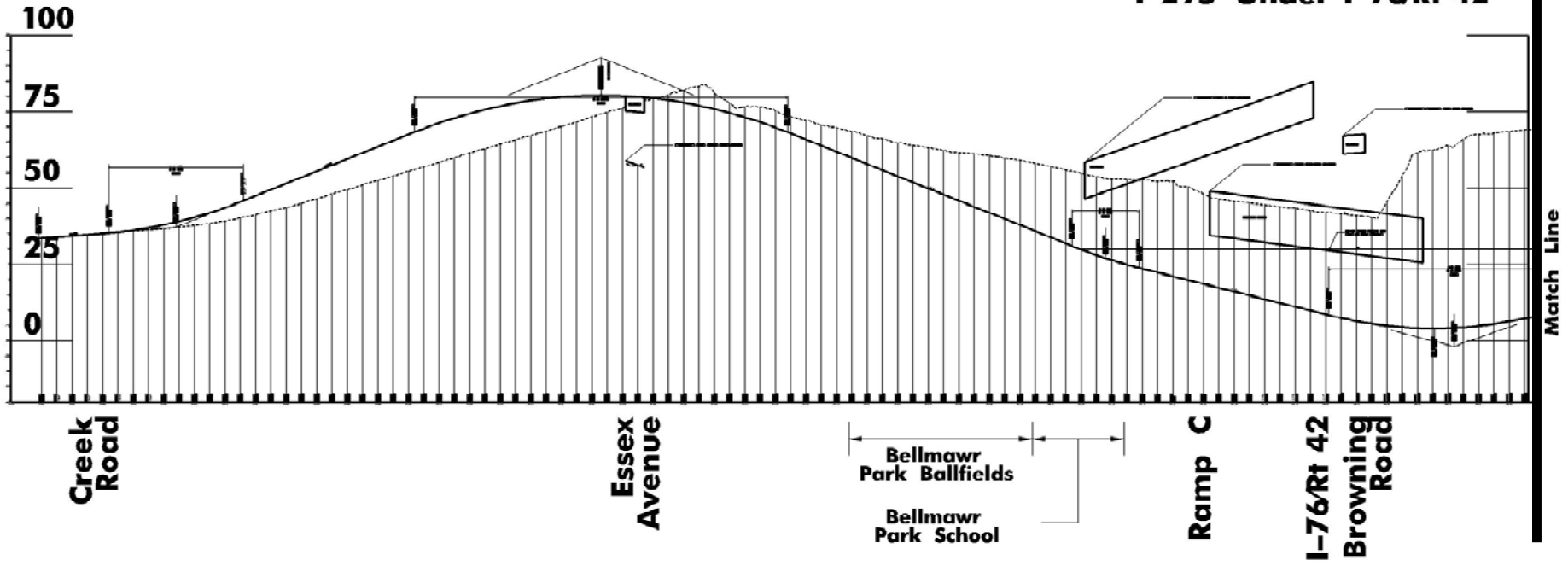
ALTERNATIVE K



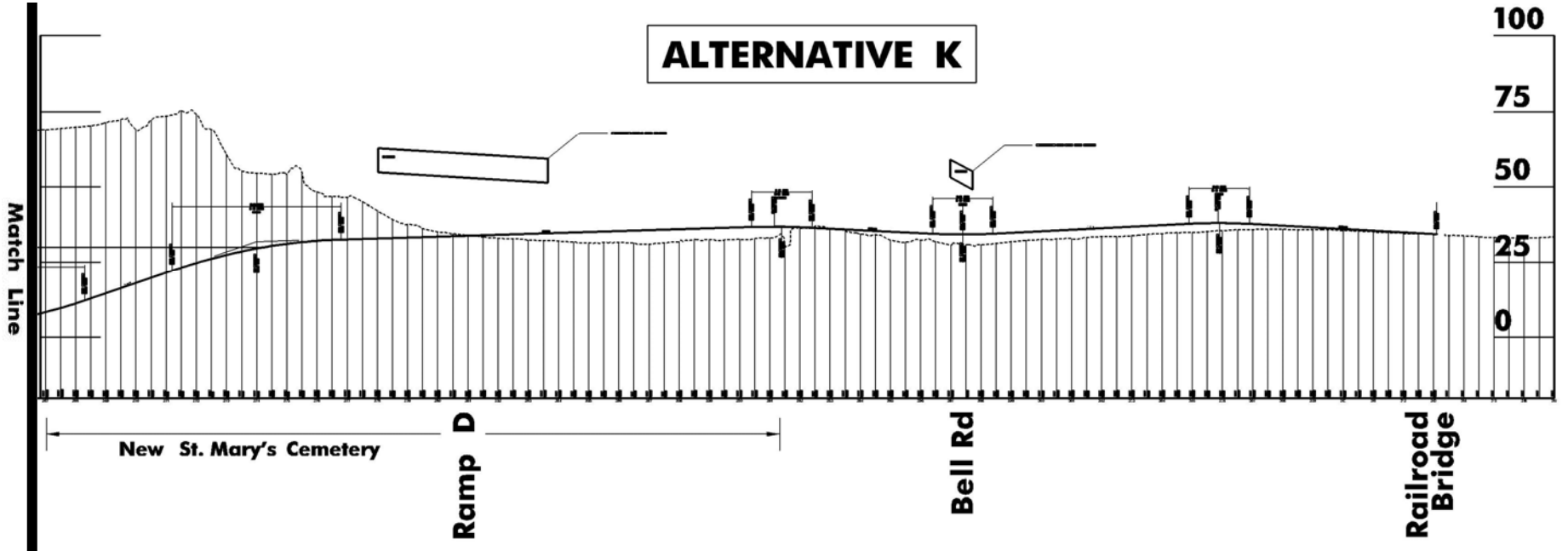
ALTERNATIVE K



I-295 Under I-76/Rt 42



ALTERNATIVE K



REVIEW OF TES STATUS

Ileana S. Ivanciu
Dewberry



- **Current status of technical studies by discipline:**
 - 🕒 **Architecture**
 - 🕒 **Archaeology**
 - 🕒 **Natural Resources**
 - 🕒 **Socioeconomics**
 - 🕒 **Air Quality**
 - 🕒 **Noise**
 - 🕒 **Hazardous Waste**
- **Public involvement process**
- **Schedule**



HISTORIC ARCHITECTURE APE



HISTORIC ARCHITECTURE

➤ Harrison House

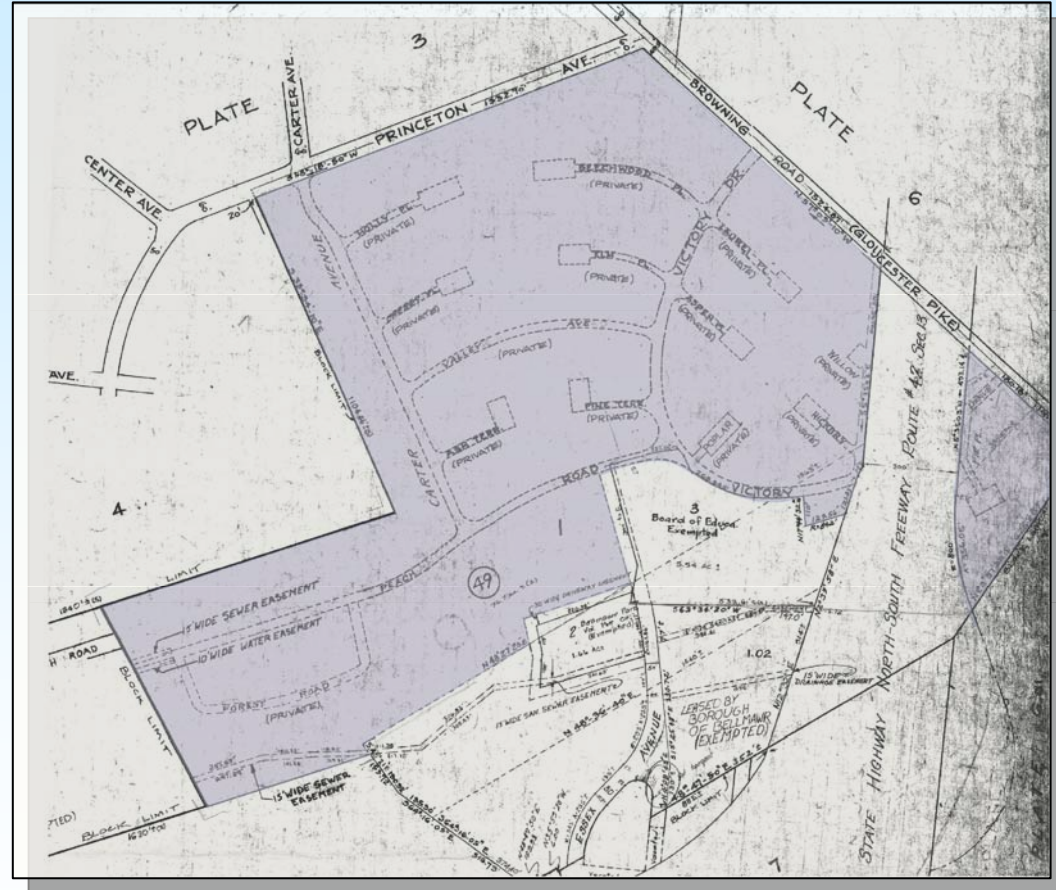
- ✓ Recommended not eligible for listing on the National Register of Historic Places
- ✓ Exterior and interior alterations have impacted resource integrity



HISTORIC ARCHITECTURE

➤ Bellmawr Park

- ✓ Recommended eligible for national registry
- ✓ Retains character-defining elements
 - ❖ Overall design
 - ❖ Overall plan layout
 - ❖ Continues to operate as a mutual housing corporation



ARCHAEOLOGY



ARCHAEOLOGY FINDINGS

➤ Area I - New St. Mary's Cemetery

- ✓ Prehistoric site northeast of Harrison House

➤ Area II - Bellmawr Little League Ball Fields

- ✓ Extensively disturbed
- ✓ Materials from mid-19th to 20th-century - possible trash deposit

➤ Area III – Annunciation Church

- ✓ Mid-19th-century to 20th-century artifacts
- ✓ Concentration of prehistoric artifacts

➤ Area IV - Wooded infield median between I-295/I-76/Rt. 42

- ✓ Nondescript, mid-19th to 20th-century architectural and domestic refuse



WETLAND IMPACTS

Assumptions:

- **Ten-foot temporary impact for retaining walls and outfalls construction**
- **Five-foot temporary impact for roadway removal abutting wetlands**
- **Five-foot permanent impact for proposed slope easements**
- **Wetland TF in Mount Ephraim and the proposed right-of-way**
 - ✓ **Ten-foot temporary and permanent impact**
- **Alternatives G2 & H1**
 - ✓ **Permanent impact any roadway area that crosses over wetlands**

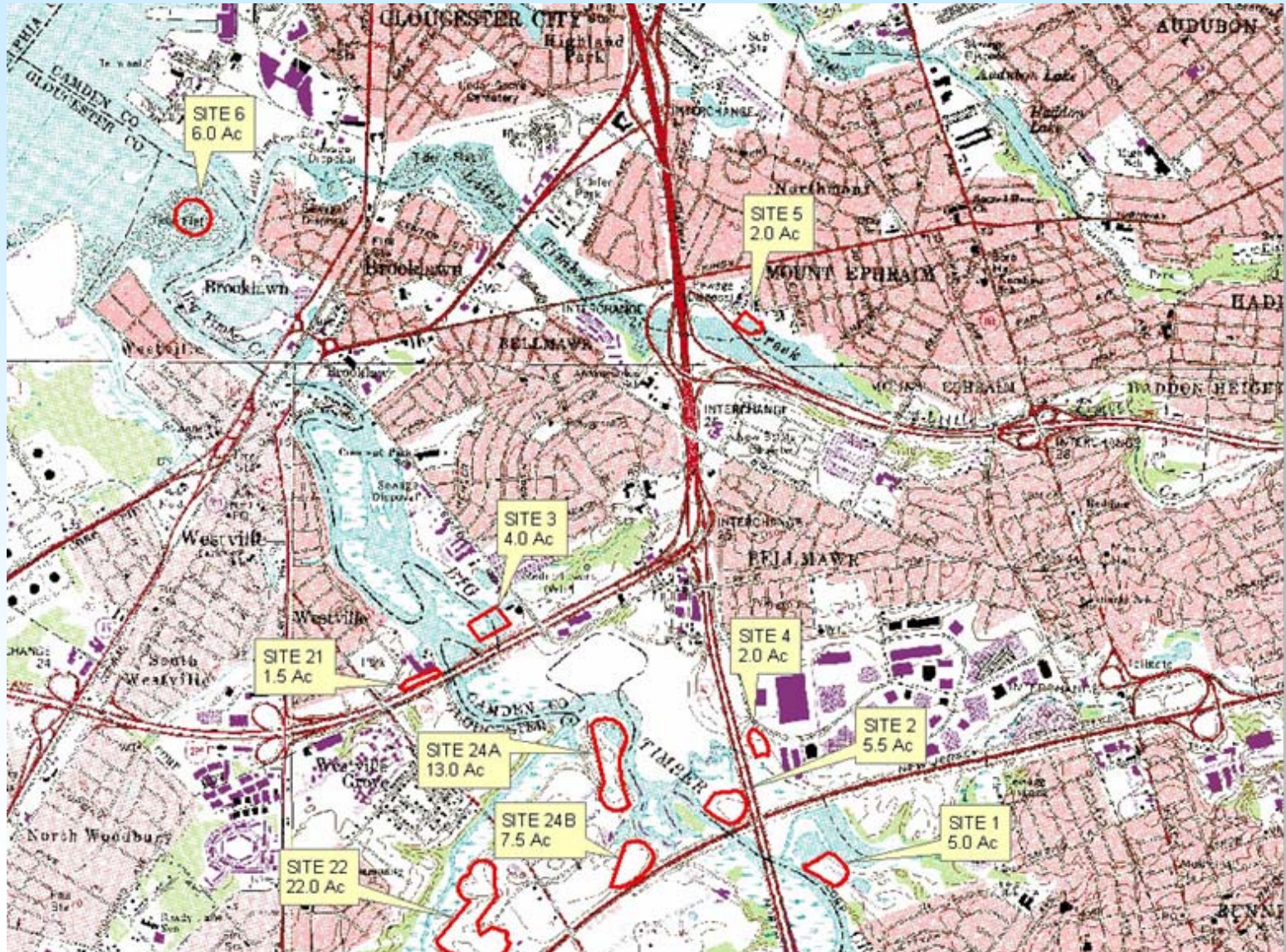


PRELIMINARY WETLAND IMPACTS

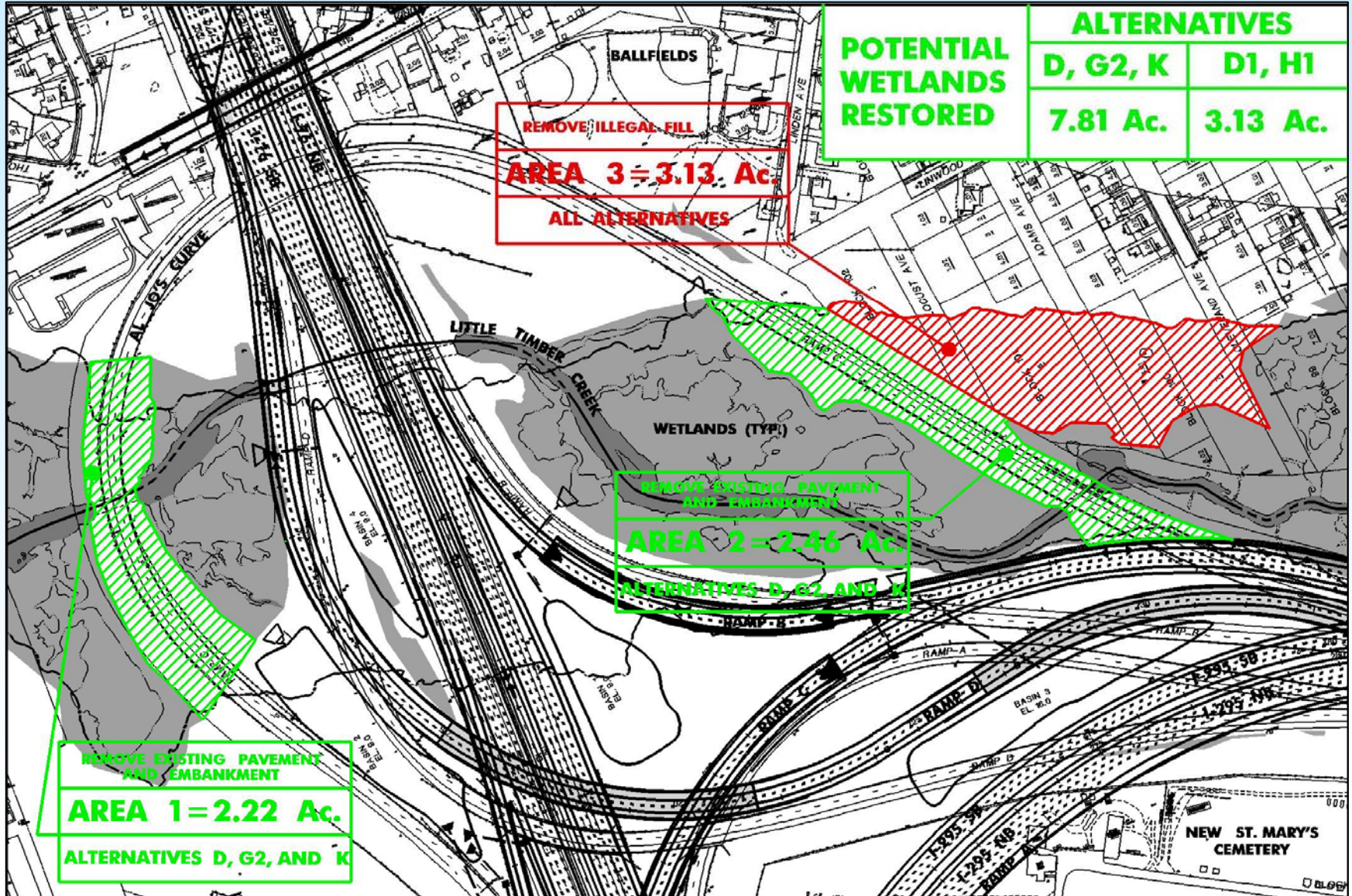
Alternative	Tidal		State Open Water (Tidal)		Freshwater (Non-Tidal)		State Open Water (Non-Tidal)		Total Wetland Impacts	
	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary
	Alternative D	0.639	0.564	0.011	0.106	1.311	0.294	0.046	0.017	2.007
Alternative D1	2.139	0.612	0.064	0.113	1.521	0.089	0.030	0.017	3.754	0.831
Alternative G2	0.043	0.207	0.011	0.105	1.193	0.200	0.046	0	1.293	0.512
Alternative H1	1.466	0.663	0.160	0.157	1.696	0.120	0.030	0	3.352	0.940
Alternative K	1.445	0.511	0.012	0.148	1.614	0.198	0.045	0	3.116	0.857



POTENTIAL OFF-SITE MITIGATION



POTENTIAL ON-SITE MITIGATION



THREATENED & ENDANGERED SPECIES

- **Red-Headed Woodpecker, Peregrine Falcon, and Coopers Hawk**
 - ✓ **Wooded area west of Essex Avenue**
 - ✓ **Survey conducted in June 2004**
 - ✓ **Methodology**
 - ❖ **Point Count Surveys**
 - ❖ **Line Transects**
 - ❖ **Feeding Stations**
 - ✓ **Findings**
 - ❖ **No threatened or endangered bird species observed**
 - ❖ **Suitable habitat not found**



THREATENED & ENDANGERED SPECIES

Bog Turtle Survey

- **Wooded area west of Essex Avenue**
- **Habitat evaluation surveys**
 - ✓ **No turtles observed**
 - ✓ **No suitable habitat found**



STORMWATER MANAGEMENT

- **N.J.A.C. 7:8 requires to address water quantity, quality and groundwater recharge.**
 - ⦿ **Water quantity control measures are waived (July 2004 Wetlands Working Group meeting).**
 - ⦿ **For water quality, credit can be taken for removal of existing pavement.**
 - ⦿ **Bioretention basins will be primary water treatment measure.**
- **Pump stations will be required to meet water quality treatment requirements and drainage needs.**



PRELIMINARY PAVEMENT AREAS REQUIRING WATER QUALITY TREATMENT (ACRES)

Alternative	New Pavement	Pavement Reconstructed	Pavement Removed	Total
D	34	23	15	42
D1	38	23	15	46
G2	34	23	12	45
H1	37	24	12	49
K	37	16	12	41



SOCIOECONOMICS

- **Community Impact Analysis**
- **Identify community make-up focusing on the following populations:**
 - ✓ **Low income**
 - ✓ **Minority**
 - ✓ **Female head of household**
 - ✓ **Transit disadvantaged**
 - ✓ **Senior citizens**
 - ✓ **Disabled**
 - ✓ **Non-English speaking**



SOCIOECONOMICS (cont'd.)

➤ **Community Impact Analysis**

🕒 **2000 US Census**

🕒 **Interviews with public and non-profit agencies**

- ❖ **Social Services Agencies**
- ❖ **Deputy County Administrator for Public Services**
- ❖ **Cultural and Heritage Commission**
- ❖ **Office of Hispanic Affairs**
- ❖ **Church Leaders**
- ❖ **Health and Human Services Department**
- ❖ **South Jersey Transportation Authority**
- ❖ **Chamber of Commerce**
- ❖ **Boards of Education**
- ❖ **Camden County Improvement Authority**
- ❖ **Human Relations Commission**
- ❖ **Bellmawr Board of Assistance**
- ❖ **Senior and Disabled Services**
- ❖ **Vital Statistics**
- ❖ **DVRPC**



SOCIOECONOMICS *(cont'd.)*

Direct ROW Impacts:

- **Residential Relocations – Bellmawr Park area only**
- **Residential Impacts – strip takings, permanent and temporary easements**
- **Business Impacts – business relocation required**
- **Other Impacts – strip takings, permanent and temporary (i.e., business, church, school, cemetery, borough)**



PRELIMINARY ROW IMPACTS SUMMARY

Alternative	Residential Relocations	Residential Impacts	Business Impacts	Other Impacts
D	12	11	1	16
D1	12	11	1	17
G2	4	11	1	16
H1	4	11	1	17
K	12	11	1	16



SOCIOECONOMICS *(cont'd.)*

- **Other areas of impact evaluated:**
 - 🕒 **Accessibility Impacts**
 - 🕒 **Proximity Impacts**
 - 🕒 **Fiscal Impacts**
 - 🕒 **Land Use and Zoning**
- **Conformity with the State Development and Redevelopment Plan**
- **Secondary Impacts**
- **Economic Benefits Analysis**
 - ✓ **Regional Accessibility**
 - ✓ **Safety**
 - ✓ **Travel Time**



SOCIOECONOMICS *(cont'd.)*

➤ **Environmental Justice**

- ✓ **EJ EO 12898 (February 11, 1994)**
- ✓ **FHWA Actions to Address EJ in Minority and Low-Income Populations**
- ✓ **Interim Guidance for Incorporating EJ Concerns in EPA's NEPA Compliance Analyses (USEPA, September 1997)**



SOCIOECONOMICS *(cont'd.)*

➤ **Visual Impacts**

- ✓ **Balloon Study (spring 2004)**

- ✓ **Photosimulations**

 - ❖ **Eight views for each alternative**

 - ❖ **Based on data collected during the balloon study**



**BROWNING ROAD FROM NEW ST.
MARY'S CEMETERY DRIVEWAY**



EXISTING CONDITIONS

**BROWNING ROAD FROM NEW ST.
MARY'S CEMETERY DRIVEWAY**



ALTERNATIVE D, D1

**BROWNING ROAD FROM NEW ST.
MARY'S CEMETERY DRIVEWAY**



ALTERNATIVE G2, H1

**BROWNING ROAD FROM NEW ST.
MARY'S CEMETERY DRIVEWAY**



ALTERNATIVE K

**BELLMAWR PARK SCHOOL FROM
VICTORY DRIVE/POPLAR PLACE**



EXISTING CONDITIONS

**BELLMAWR PARK SCHOOL FROM
VICTORY DRIVE/POPLAR PLACE**



ALTERNATIVE D, D1

**BELLMAWR PARK SCHOOL FROM
VICTORY DRIVE/POPLAR PLACE**



ALTERNATIVE G2, H1

**BELLMAWR PARK SCHOOL FROM
VICTORY DRIVE/POPLAR PLACE**



ALTERNATIVE K

**I-295/LITTLE TIMBER CREEK
FROM SHINING STAR PARK**



EXISTING CONDITIONS

**I-295/LITTLE TIMBER CREEK
FROM SHINING STAR PARK**



ALTERNATIVE D, D1

**I-295/LITTLE TIMBER CREEK
FROM SHINING STAR PARK**



ALTERNATIVE G2, H1

**I-295/LITTLE TIMBER CREEK
FROM SHINING STAR PARK**



ALTERNATIVE K

**BELL ROAD FROM NORTH OF
EMERSON AVENUE**



EXISTING CONDITIONS

**BELL ROAD FROM NORTH OF
EMERSON AVENUE**



ALTERNATIVE D, D1

**BELL ROAD FROM NORTH OF
EMERSON AVENUE**



ALTERNATIVE G2, H1

**BELL ROAD FROM NORTH OF
EMERSON AVENUE**



ALTERNATIVE K

AIR QUALITY

- **Peak 1- and 8-hour CO concentrations predicted at the same receptor locations along the ROW**
 - ✓ **USEPA MOBILE6.2 - model CO emission factors based on NJ specific mixes of gasoline and diesel-fueled motor vehicles**
 - ✓ **USEPA CAL3QHC air dispersion - CO concentrations due to free-flow roadway segments**
 - ✓ **Under Alternative K CO levels will be estimated utilizing worst-case conditions**

- **Free-flow air quality analysis - 2030 “No-Build” and “Build” conditions (Alternatives D, D1, G2, H1 and K)**



NOISE ANALYSIS

- **Exterior noise monitoring and school building attenuation performed by NJDOT during 8/2000, 3/2001 and 4/2001**
- **Noise modeling - FHWA Traffic Noise Model (TNM2.5)**
- **Impacts assessed based on FHWA Noise Abatement Criteria**
- **Future 2030 “No-Build” and “Build” (Alternatives D, D1, G2, H1 and K) conditions modeled based on Level of Service C traffic conditions**
- **The same modeling methodologies utilized for each alternative**



HAZARDOUS WASTE

- **Study corridor reconnaissance**
- **Historical records review (Sandborns Fire Insurance Maps and Aerial Photographs)**
- **Review of Federal and State records (EDR)**
- **Inquires with state and local agencies**

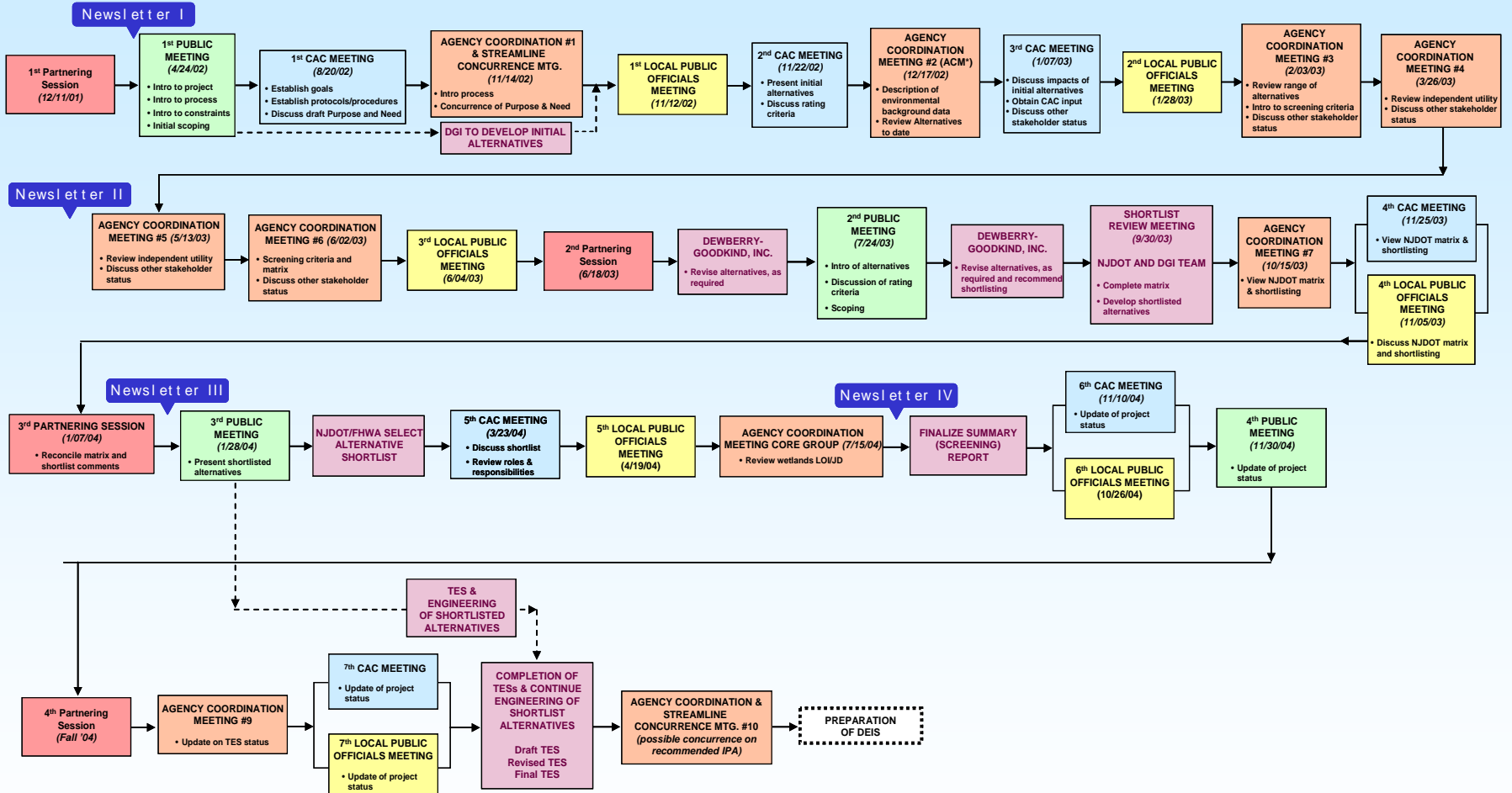


AREAS OF CONCERN

Alternatives			Street		Reason For	
Affected	Block	Lot	Site Occupant/Owner	Address	Town	Concern
All	50.04	1.01	Annunciation Convent School	603 W. Browning Road	Bellmawr	UST database
All	49	3	Bellmawr Park Elementary School	Essex Avenue & Peach Road	Bellmawr	UST database with soil contamination observed.
All	56	1 through 7	Bill Seas Towing	Essex Avenue	Bellmawr	Towing yard with automotive storage. Soil staining.
All	57	1.01 & 9	Ana Labs	80 Coolidge Avenue	Bellmawr	Illegal dumping of oil
All	58	1,2,3 & 4	B&G Tool & Dye Company	Creek Road/ Essex Avenue	Bellmawr	Historic contamination due to nature of business.



PUBLIC INVOLVEMENT



NOTE

- Agency Coordination Meetings (ACM) will be added whenever necessary, throughout the process.
- Newsletter to be prepared quarterly
- PIC's to be held bi-annually.



SCHEDULE

- **Complete TES – Late August 2005**
- **NJDOT Review of TES – Early October 2005**
- **FHWA Review of TES – mid-December 2005**
- **Pre-Draft EIS and Conceptual ACOE Permit – mid-Spring 2006**
- **Agency Review - Late Summer 2006**
- **Circulation of DEIS – Fall 2006**
- **Public Hearing – December 2006**
- **Final EIS - 2007**

