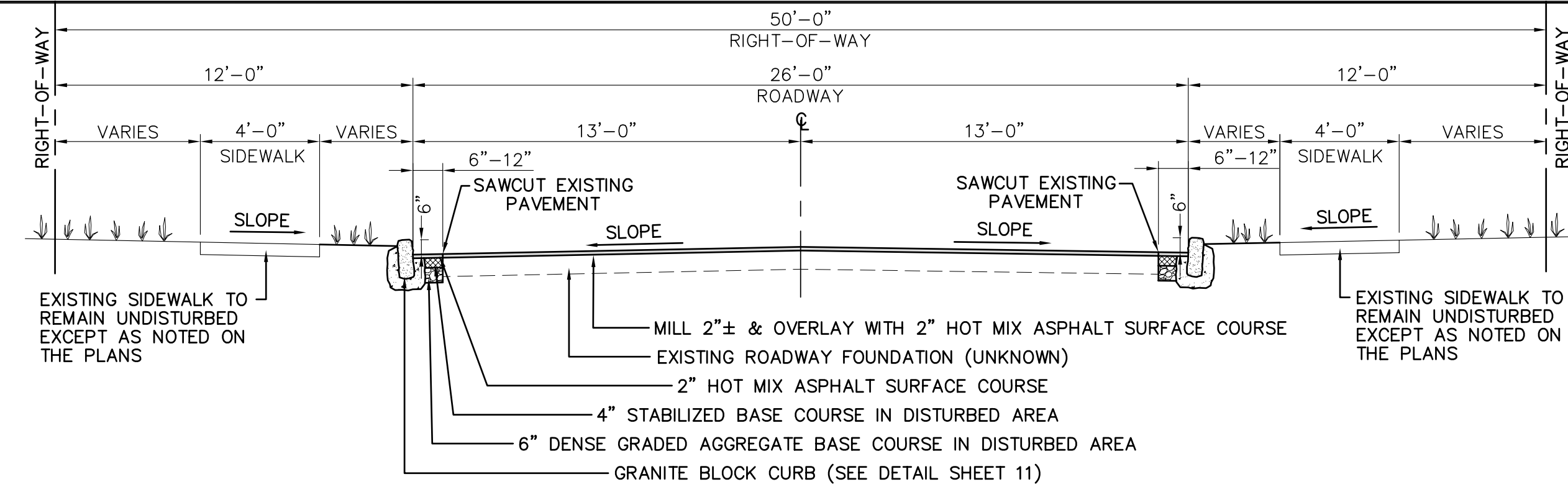


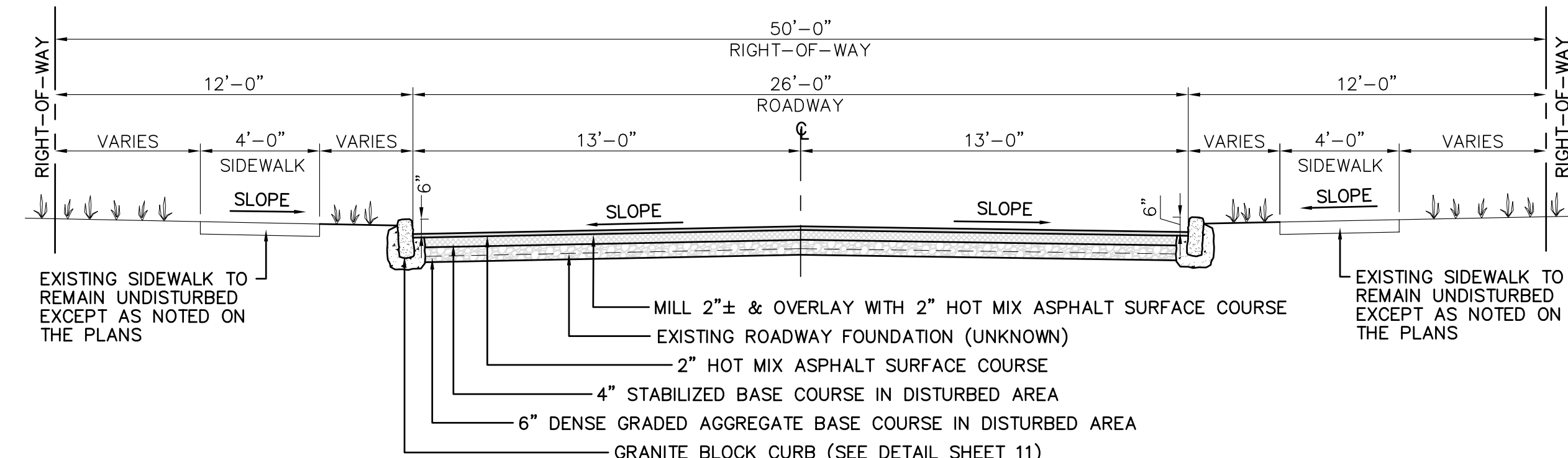
# GENERAL NOTES

- THE HORIZONTAL DATUM IS BASED ON NAD-1983 AND THE VERTICAL DATUM IS BASED ON NGVD-1929.
- PROPERTY AND RIGHT-OF-WAY LINES SHOWN ON THESE PLANS WERE BASED ON THE OFFICIAL TAX MAPS OF THE TOWN OF MONTCLAIR, ESSEX COUNTY, NEW JERSEY.
- EXISTING TOPOGRAPHIC CONDITIONS WERE SURVEYED BY REMINGTON & VERNICK ENGINEERS UNDER THE SUPERVISION OF CHARLES E. ADAMSON, N.J.P.L.S. LICENSE NO. 42627. THE SURVEY WORK WAS COMPLETED ON OCTOBER 10, 2005.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES BY CONTACTING THE APPROPRIATE UTILITY COMPANIES. THE LOCATION OF EXISTING UTILITIES ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF UTILITIES ARE FOUND TO BE IN CONFLICT WITH THE WORK AS SET FORTH IN THESE PLANS. NO SEPARATE PAYMENT.
- THE CONTRACTOR SHALL EXAMINE THE SITE, COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THE CONTRACTOR SHALL BECOME FULLY CONVERSANT WITH TYPE OF GENERAL CONSTRUCTION WORK AND ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK HE WILL CONTRACT TO PERFORM.
- ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS OF THE TOWNSHIP OF MONTCLAIR ENGINEERING BUREAU, THE RESPECTIVE UTILITY COMPANIES AND THE N.J.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2001 AND AS UPDATED.
- SIGNING AND PAVEMENT MARKINGS TO BE INSTALLED SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" MILLENNIUM EDITION, U.S.D.O.T. FEDERAL HIGHWAY ADMINISTRATION.
- THE CONTRACTOR SHALL PROTECT ALL STRUCTURES, ROADS, PIPELINES, TREES, SHRUBBERY, GRASS AREA, ETC., DURING THE PROGRESS OF HIS WORK AND SHALL REMOVE FROM THE SITE ALL CUTTINGS, DRILLINGS, DEBRIS AND UNUSED MATERIALS. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESTORE THE SITE TO ITS ORIGINAL CONDITION, INCLUDING THE REPLACEMENT OF GRASSED AREAS WHICH HAVE BEEN DAMAGED. NO SEPARATE PAYMENT.
- IT IS THE TOWNSHIP'S INTENT TO SAVE AS MANY TREES AS POSSIBLE. THE CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO MINIMIZE ADVERSE IMPACTS ON THE TREES.
- ALL EXCAVATED MATERIAL WHICH IS UNSUITABLE FOR BACKFILL SHALL BE REMOVED FROM SITE AND PROPERLY AND LEGALLY DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR PROPER DISPOSAL OF THIS MATERIAL. BURIED FOUNDATIONS, IF ANY, ARE THE RESPONSIBILITY OF THE CONTRACTOR. NO SEPARATE PAYMENT.
- EXCAVATIONS WITHIN CLOSE PROXIMITY TO UNDERGROUND FACILITIES OR UTILITY POLES WILL REQUIRE PROTECTION IN AN APPROVED MANNER TO PREVENT DAMAGE OR INTERRUPTION OF SERVICE TO UNDERGROUND FACILITIES. NO SEPARATE PAYMENT.
- CONTRACTOR MUST HAND DIG AROUND EXISTING STRUCTURES AND UTILITIES. NO SEPARATE PAYMENT.
- ALL EXCAVATED AREAS AND NEW PAVEMENT TO BE CONSTRUCTED AS PER TOWNSHIP "TYPICAL ROADWAY SECTIONS" (THIS SHEET) 6" THICK QUARRY PROCESSED STONE (SUBBASE), 4" THICK STABILIZED BASE, AND 2" THICK HOT MIX ASPHALT (TYPICAL).
- SAW CUT EXISTING BITUMINOUS PAVEMENT, SIDEWALKS AND DRIVEWAYS AS NECESSARY AND/OR AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT.
- ALL EXISTING WATER VALVES, P.S.E.&G. VALVES, METER BOXES, FUEL VALVES, MANHOLES AND CATCH BASINS TO BE RESET FLUSH WITH FINISHED GRADE ELEVATIONS. NO SEPARATE PAYMENT.
- THE CONTRACTOR SHALL GRADE ALL AREAS TO PROVIDE POSITIVE SLOPE FOR ADEQUATE DRAINAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO SURROUNDING PROPERTY AND SHALL RESTORE ANY PROPERTY DAMAGED AS A RESULT OF HIS OPERATIONS. ALL RESTORATION COST SHALL BE BORNE BY THE CONTRACTOR AT NO SEPARATE PAYMENT.
- ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED AS SHOWN ON THESE PLANS OR AS DIRECTED BY THE ENGINEER IN CONFORMANCE WITH "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (SEE NOTE 16 ABOVE).
- THE CONTRACTOR SHALL NOTE THAT THE LOCATION OF ALL ROOF DRAINS ARE NOT SHOWN. PROPOSED LOCATION TO BE DETERMINED IN THE FIELD.
- THE CONTRACTOR SHALL PROTECT EXISTING MONUMENTS. NO SEPARATE PAYMENT.
- THE CONTRACTOR SHALL RESET ALL MANHOLES AND VALUES TO NEW GRADE. NO SEPARATE PAYMENT.



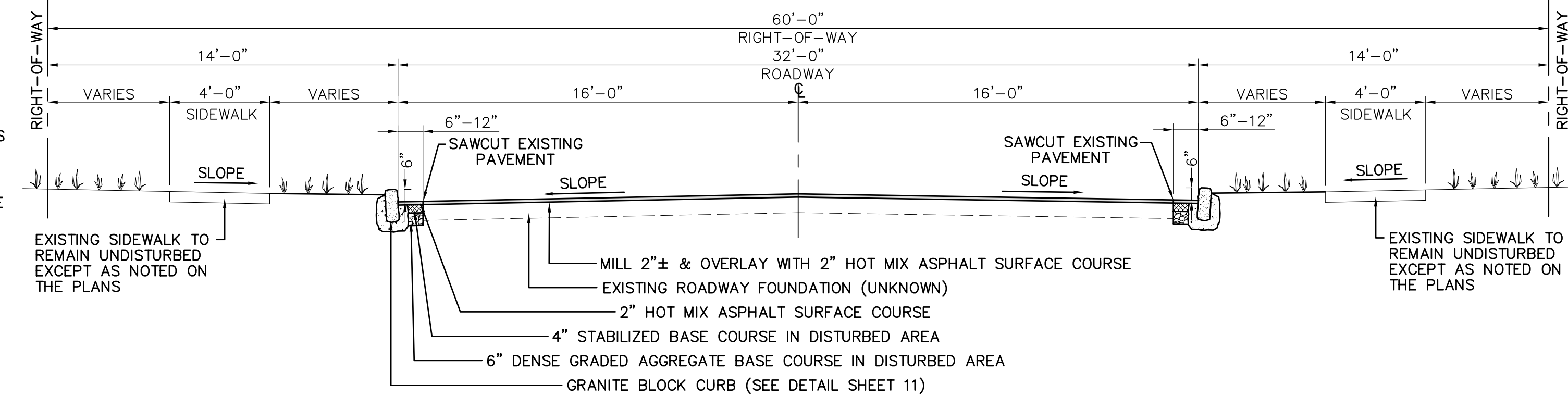
## PROPOSED TYPICAL ROADWAY SECTION

STA. 10+00 - STA. 12+00 NORWOOD AVENUE  
SCALE: 1"=4'



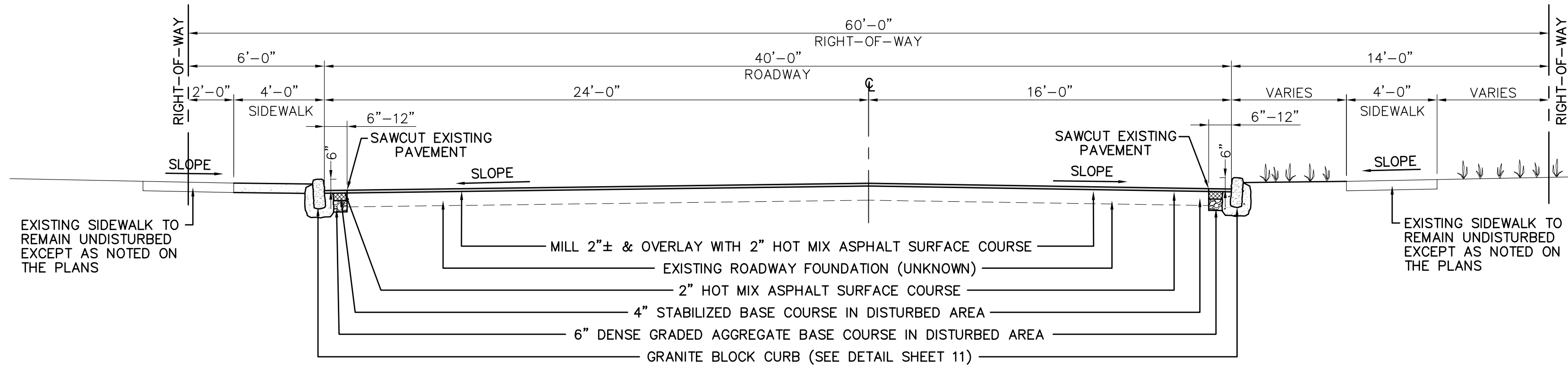
## PROPOSED TYPICAL ROADWAY SECTION

STA. 12+00 - STA. 14+10 NORWOOD AVENUE  
FULL DEPTH EXCAVATIONS & ROADWAY RECONSTRUCTION  
SCALE: 1"=4'



## PROPOSED TYPICAL ROADWAY SECTION

STA. 79+52 - ERIE LACKAWANNA RAILWAY  
AND STA. 84+08 - GROVE STREET  
SCALE: 1"=4'



## PROPOSED TYPICAL ROADWAY SECTION

ERIE LACKAWANNA RAILWAY - STA. 83+35  
SCALE: 1"=4'

# ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNITS	CONTRACT QUANTITIES
1	Roadway Excavation, Unclassified	C.Y.	800
2	Dense Graded Aggregate Base Course (Sub Base)	Ton	1,000
3	Hot Mix Asphalt Base Course, Mix I-2	Ton	500
4	Hot Mix Asphalt Surface Course, Mix I-5	Ton	2,000
5	Milling, 2" Average Depth	S.Y.	17,000
6	Inlets, Type "B", with Bicycle-Safe Grate and Type N ECO Curb Piece	Each	34
7	Inlets, Type "A", with Bicycle-Safe Grate	Each	1
8	6" Polyvinylchloride (P.V.C.)	L.F.	100
9	12" Diameter Reinforced Concrete Culvert Pipe, Class 5	L.F.	32
10	15" Diameter Reinforced Concrete Culvert Pipe, Class 5	L.F.	40
11	Manholes Castings (Frames and Covers)	Each	5
12	Concrete Sidewalk, 5" Thick	S.Y.	800
13	Reset Existing Bluestone Sidewalk	S.Y.	30
14	New Bluestone Sidewalk	S.Y.	5
15	Concrete Sidewalk, & Driveway Aprons, 7" Thick	S.Y.	700
16	Granite Block Curb	L.F.	9,300
17	Concrete Curb	L.F.	50
18	P.V.C. Roof Drains, 4" Diameter	L.F.	400
19	Topsoil, 4" Thick	S.Y.	5,000
20	Fertilizing and Seeding, Type "D"	S.Y.	5,000
21	Earth Excavation for Test Pits	C.Y.	30
22	Miscellaneous Concrete	C.Y.	2
23	Traffic Stripes, Long Life (Thermoplastic)	L.F.	3,000
24	Traffic Markings, Long Life (Thermoplastic)	S.F.	4,000
25	Tree Removal - 6.1" to 12.0" Diameter	Each	1
26	Tree Removal - 12.1" to 24.0" Diameter	Each	8
27	Tree Removal - 24.1" to 36.0" Diameter	Each	4
28	Tree Removal - 36.1" to 48.0" Diameter	Each	3
29	Planting Of Trees: Crimson King Maple (acer plat) 3" Caliper	Each	3
30	Planting Of Trees: Homestead Elm (pumila) 3" Caliper	Each	3
31	Planting Of Trees: Japanese Zelkova (serrata) 3" Caliper	Each	15
32	Planting Of Trees: Redspire Pear (redspire) 3" Caliper	Each	7
33	Planting Of Trees: London Planetree (platanus acerifolia) 3" Caliper	Each	5
34	Planting Of Trees: Bowhall Red Maple (acer rubrum "bowhall") 3" Caliper	Each	2
35	Planting Of Trees: American Basswood (tilia americana) 3" Caliper	Each	1
36	Tree Plates	L.F.	50
37	Meter Post	Each	6
38	Construction Layout	Lump Sum	L.S.
39	Protection and Maintenance of Traffic	Lump Sum	L.S.
40	Traffic Director (Police Officers) Minimum Bid is \$49.00/Hr.	Hour	500
41	Detectable Warning Surface	S.Y.	30
42	Synthetic Texturing of Asphalt (Imprint)	S.F.	2,500

# ABBREVIATIONS

RD	Roof Drain	GR	Grate	MH	Manhole	TEL	Telephone
BIT.	Bituminous	INV.	Invert Elevation	MAC	Macadam	CO	Cleanout
CONC.	Concrete	STA.	Station	GR	Grate	WV	Water Valve
M.S.	Monument Stone	SAN.	Sanitary Sewer	ELEC	Electrical	ROW	Right of Way
		ELEV.	Elevation			PM	Parking Meter

# LEGEND

	EXISTING SANITARY SEWER		Drain Manhole		Parking Meter
	EXISTING STORM SEWER		Utility Pole		Railroad Gate
	PROPOSED STORM SEWER		Light		Directional Flow
	EXISTING BITUMINOUS		Sign		Bush
	EXISTING CONCRETE		Fire Hydrant		Water Valve
	EXISTING BASELINE		Gas Valve		Water Box
	DESIGN CENTERLINE		Tree		Mail Box
	RIGHT OF WAY		Light Pole		Curb Inlet
	PROPERTY LINES		Sewer Manhole		Telephone Manhole
	EXISTING CURBS		Stone Monument		Electrical Manhole
	PROPOSED CURBS		Stone Wall		Shrub
	FENCES		Street Name Sign		