# PART 2 - APPENDIX

# **CROSS SECTIONS**

Figure 1:	Street Design and Construction Standards
Figure 1-a:	Minor Street Typical Cross Section
Figure 1-b:	Secondary Street Typical Cross Section
Figure 1-c:	Major Street Typical Cross Section
Figure 2:	Cross Section for Precast Concrete Catch Basin
Figure 3:	Cross Section for Precast Concrete Manhole
Figure 4:	Cross Section for Vertical Granite Curb
Figure 5:	Cross Section for Low Retaining Walls
Figure 6:	Fire Cistern Detail

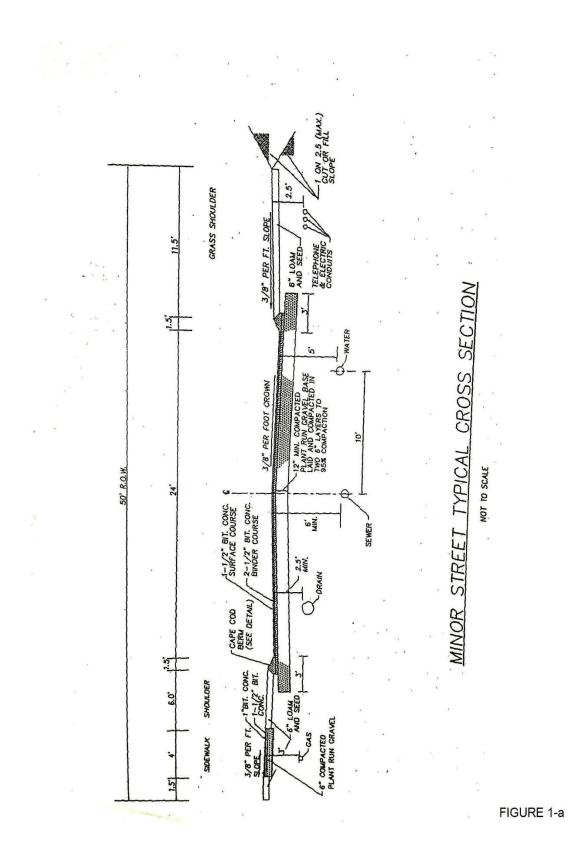
### STREET DESIGN and CONSTRUCTION STANDARDS

#### Town of Berkley, MA - November 1997

	Minor	Secondary	Major	Remarks	
	Street	(local) Street	Street		
Right of Way	50'	50'	50'		
Approximate #					
Lots Served	< 9	9 +	9 +		
Paved Width	24' – 26'	26'	32'		
Grade: Min:	0.6%	0.6%	0.6%	50' leveling area	
Max:	8%	8%	6%	1.5% at intersection	
Transverse	<	2/82 0	~		
Grade	<				
Sidewalks	<>				
Roadway Base	<12" Gravel (screened.	, graded, rolled per MDPW)	>		
Roadway Surface	<3"	Bituminous Concrete	>		
	<6" Gravel (screened, graded, rolled per MDPW)				
Sidewalk Base	<6" Gravel (screened	, graded, rolled per MDPW	>		
Sidewalk Base Sidewalk Construction	<6" Gravel (screened	2. An ann an Statement an Anna Statement and A			
Sidewalk	ten internetien yn en	2. An ann an Statement an Anna Statement and A			
Sidewalk Construction	<2"	Bituminous Concrete	>	Roadway to where no walk	
Sidewalk Construction Sidewalk Width	<2" 4 ft. 3' Walk to St. Line, 5' Walk to Roadway	Bituminous Concrete 4 ft. 3' Walk to St. Line, 5' Walk to	5 ft. 9' Between Walk and Road	a second and the second second	
Sidewalk Construction Sidewalk Width Grass Lot	<2" 4 ft. 3' Walk to St. Line, 5' Walk to Roadway	Bituminous Concrete 4 ft. 3' Walk to St. Line, 5' Walk to Roadway	5 ft. 9' Between Walk and Road	where no walk See Typical Cross Section – Granite Curbs shall be required in	
Sidewalk Construction Sidewalk Width Grass Lot Loam	<2" 4 ft. 3' Walk to St. Line, 5' Walk to Roadway <	Bituminous Concrete 4 ft. 3' Walk to St. Line, 5' Walk to Roadway 6" Deep Seeded	5 ft. 9' Between Walk and Road	where no walk See Typical Cross Section – Granite Curbs	
Sidewalk Construction Sidewalk Width Grass Lot Loam Curbing	<2" 4 ft. 3' Walk to St. Line, 5' Walk to Roadway <	Bituminous Concrete 4 ft. 3' Walk to St. Line, 5' Walk to Roadway 6" Deep Seeded Cape Cod anite 6" Recessed	5 ft. 9' Between Walk and Road	where no walk See Typical Cross Section – Granite Curbs shall be required in	

Maximum roadside slope to sidewalk or pavement 2.5 horizontally, except in ledge. Stone masonry retaining walls to be used where grade difference would require a steeper slope.

# FIGURE1-a



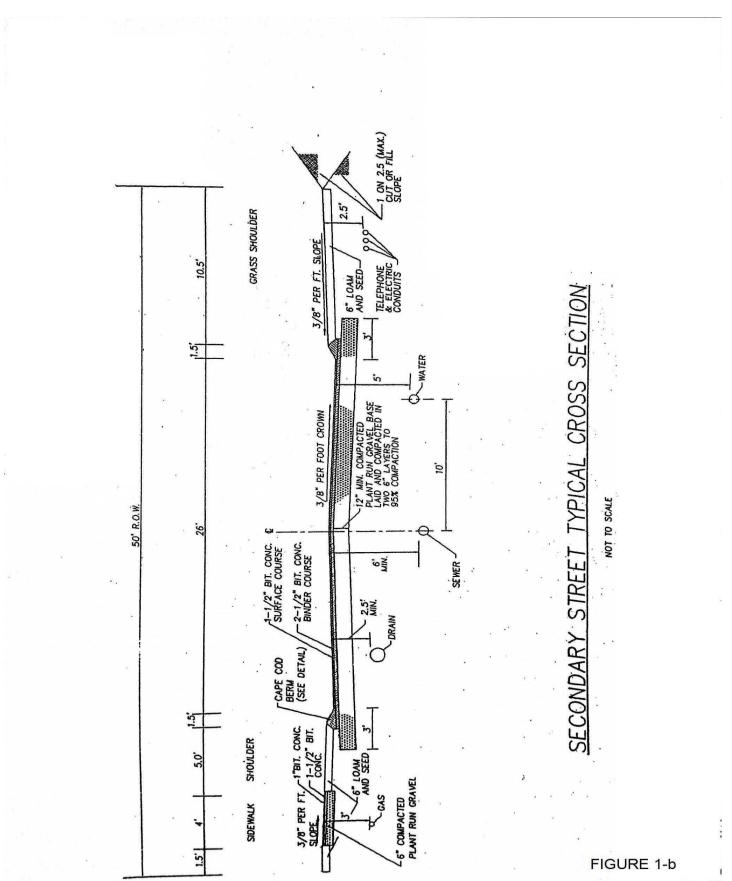


FIGURE 1-b

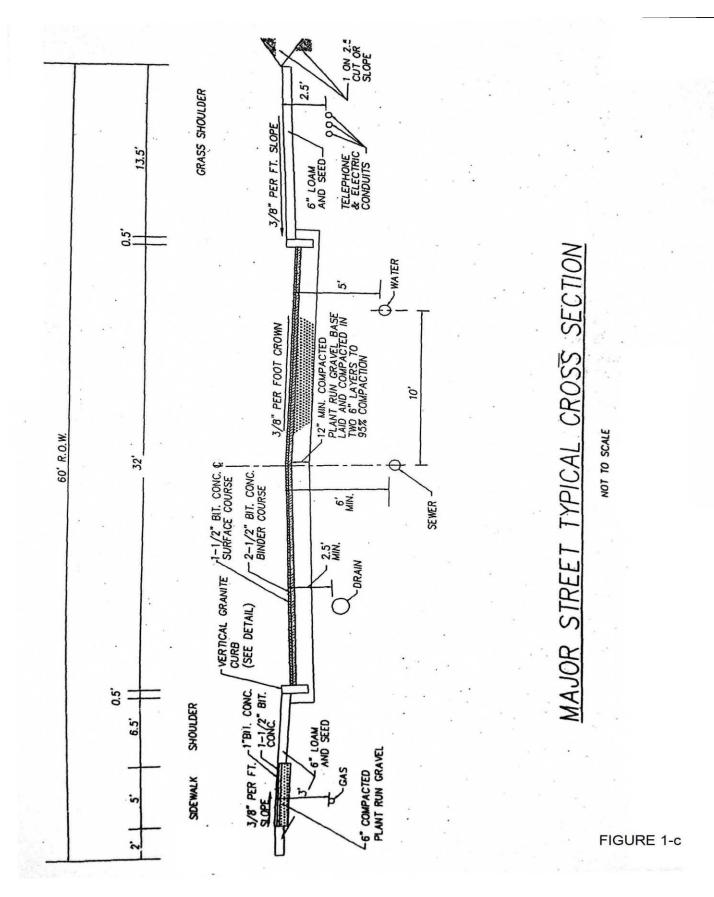
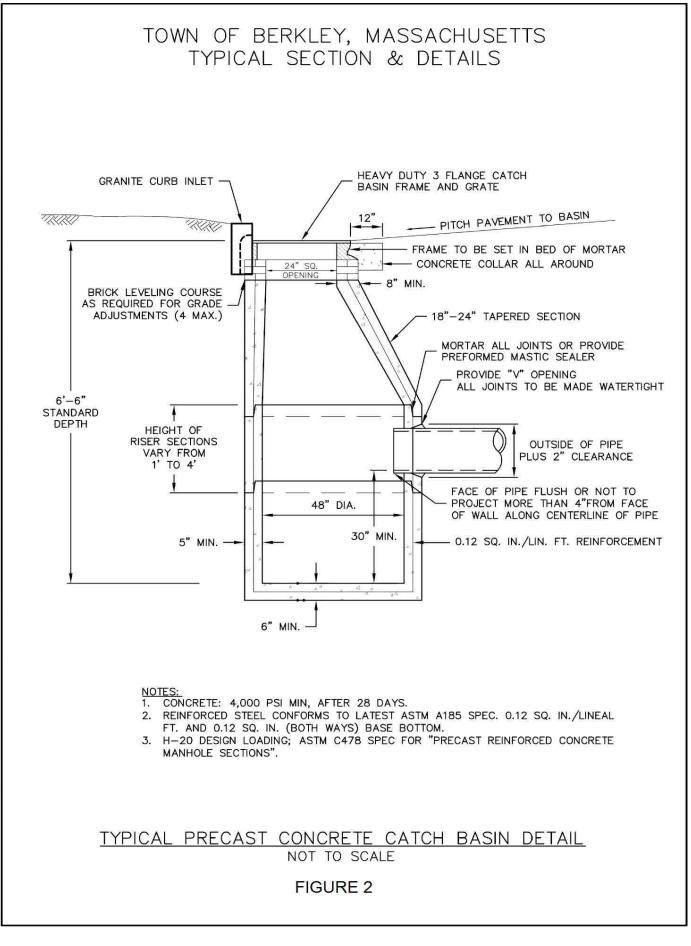


FIGURE 1-c

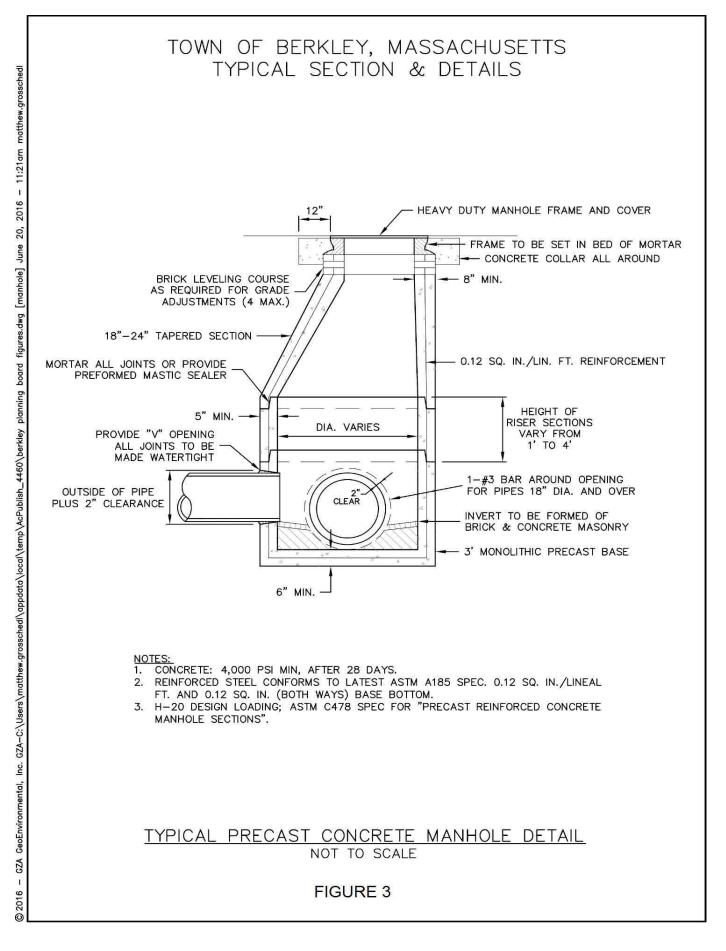


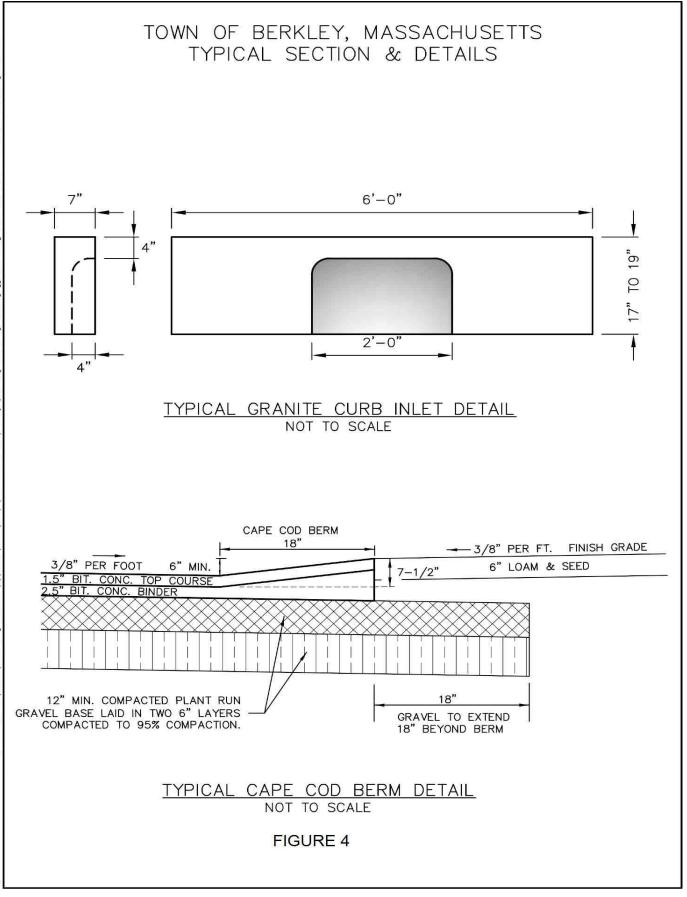
2016 - 11:21am matthew.grosschedl

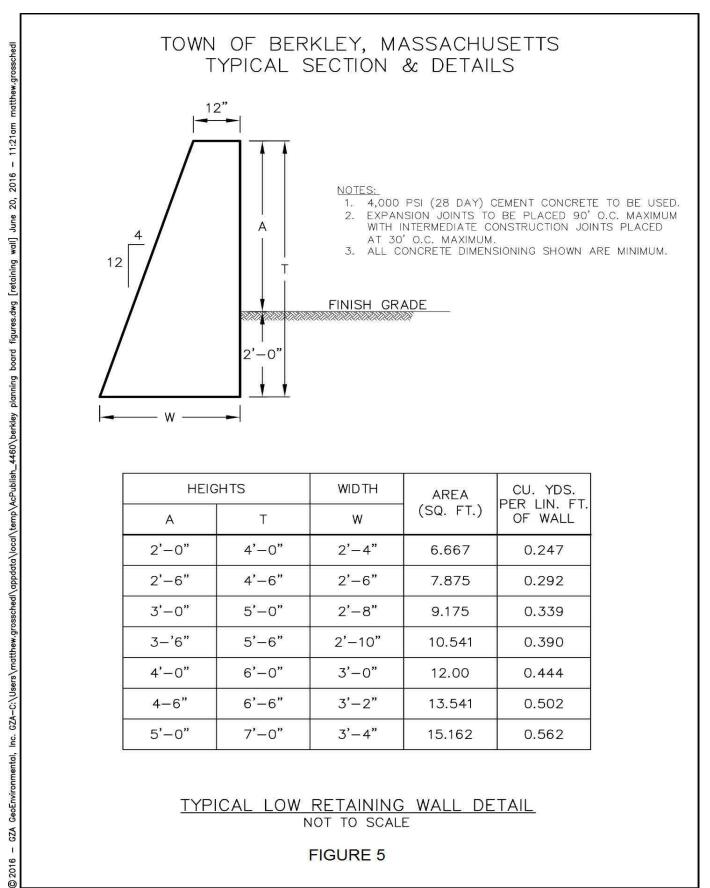
20,

GZA GeoEnvironmental, Inc. GZA-C:/Users/matthew.grossched1/appdata/local/temp/acPublish\_4460/berkley planning board figures.dwg [catch basin] June

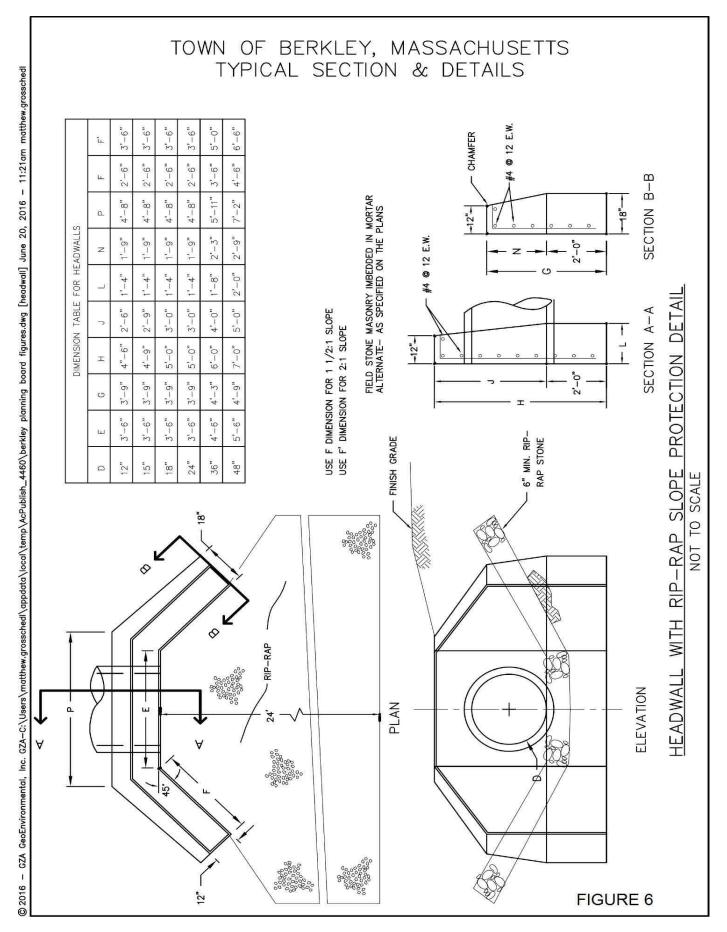
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TYPICAL LOW RETAINING WALL DETAIL NOT TO SCALE



# FIGURF 7

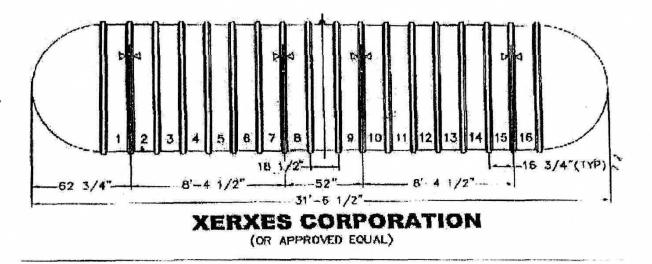


**5 North Main St** Berkley MA 02779 TOWN OF BERKLEY MASSACHUSETTS

#### DEPARTMENT OF FIRE & RESCUE

BUS.	(508) 822-7516
BUS.	(508) 822-3303
FAX	(508) 828-1451

FIRE CHIEF



#### NOTES:

- 1. Contractor shall obtain application and approval from the Berkley Fire Department prior to installation of the Fire Cistern. Application/inspection fee \$100.00
- 2. All materials and construction shall comply with the Berkley Fire Department regulations.
- 3. Tank to be minimum of 10,000 gallon fiberglass tank
- 4. All piping shall be schedule 80 PVC pipe and fittings, connections shall be made using Tetrahydrofurance (THF) primer and between 800-1,000 centipoise viscosity cement
- 5. Tank to be installed per manufactures specifications.
- 6. 12" minimum ground cover over tank
- 7. 6" PVC pipe and elbows and stainless steel suction strainer in tank, shall be used
- 8., FD drafting connection to be 5" NST female swivel with cap and chain made of brass or pyrolite material. FD connection to be cemented (same manor as piping) or threaded to PVC piping and to be within 8' of the payement with appropriate gravel access
- 9. Supply line and fill line into tank to be encased in concrete to prevent movement.
- 10. Supply line to be protected by 2 bollard type protectors
- 11. Tank to be filled with water upon placement to counteract buoyancy forces prior to backfilling
- 12. FD connection to be between 24" to 36" above grade.
- 13. Tank to have 36" manhole at grade with lockable cover.
- 14. Tank to be properly vented with a minimum of 6" PVC pipe
- 15. Tank to have a 2.5" NST female swivel or 4" Storz fill connection with cap and chain in top of tank approx. 24-36" high, located away from drafting connection
- 16. All PVC piping aboveground shall be painted with red epoxy paint to prevent ultraviolet degradation

## APPLICATION FORMS

### PLEASE INCLUDE ALL APPLICABLE FORMS FOR YOUR SUBMISSION.

# ALL APPLICANT & OWNER INFORMATION MUST BE COMPLETED AND SIGNED OR IT WILL BE RETURNED.

# A FORM T THAT HAS BEEN SIGNED BY THE TAX COLLECTOR IS REQUIRED WITH ALL SUBMISSIONS.

## APPROVAL NOT REQUIRED (FORM A)

- □ FORM A
- □ FORM T

### PRELIMINARY SUBDIVISION

- □ FORM B
- D FORM D
- D FORM T
- □ AFFIDAVIT OF PLAN DISTRIBUTION

### DEFINITIVE SUBDIVISION

- □ FORM C
- D FORM T
- D FORM D
- □ AFFIDAVIT OF PLAN DISTRIBUTION

### MISC. FORMS

### COVENANT - FORM F

COVENANT RELEASE - FORM F-1

# APPLICATION FOR MODIFICATION