

LOCATION PLAN  
SCALE: 1"=2000'



## AS-BUILTS CONTRACT DRAWINGS

# PARKSIDE SUBDIVISION SECTION 1 & 2

## VILLAGE OF SKANEATELES ONONDAGA COUNTY NEW YORK 2011

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WR-1	WATERLINE RELOCATION

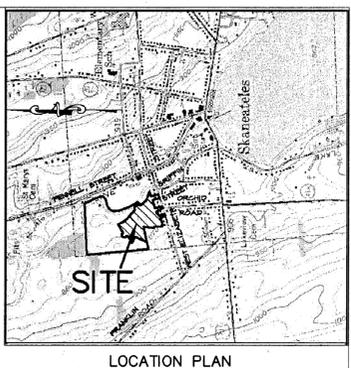
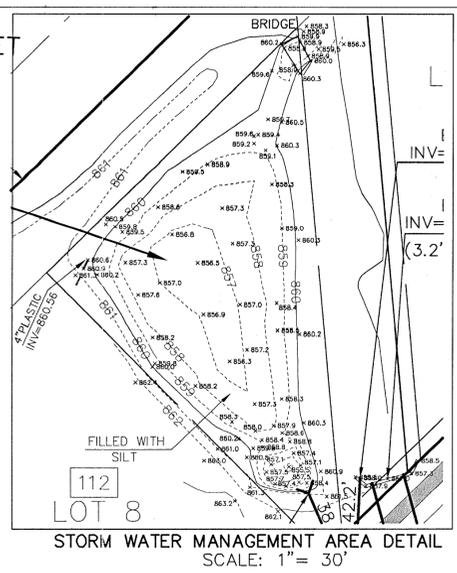
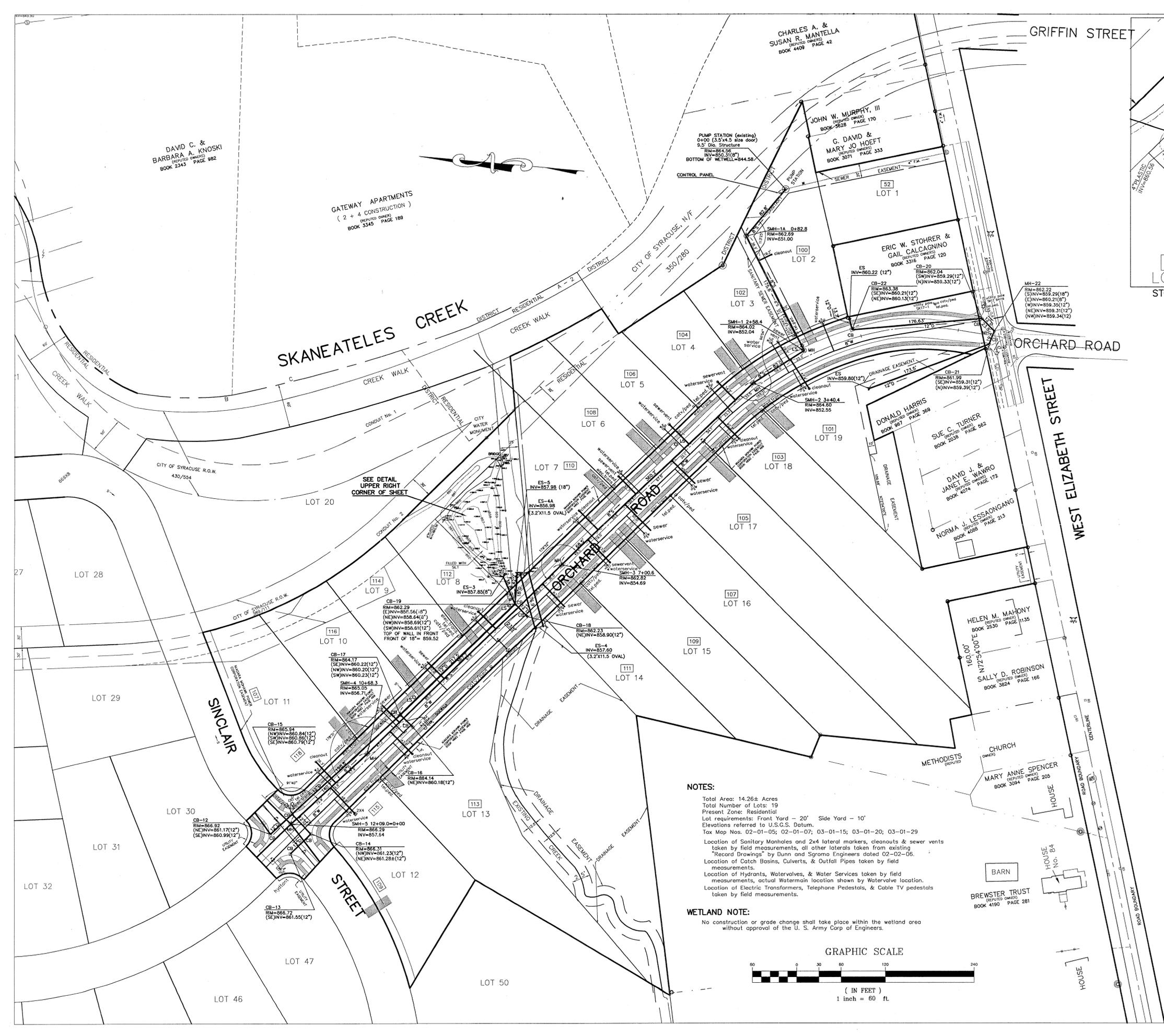


APPROVED

\_\_\_\_\_  
MAYOR

\_\_\_\_\_  
DATE

 **DUNN AND  
SGROMO ENGINEERS**  
E. SYRACUSE, NEW YORK  
5800 HERITAGE LANDING DRIVE (315)449-4940 (315)449-4941 FAX



- LEGEND:**
- indicates utility pole, anchor & overhead lines
  - indicates iron pipe and/or monument found
  - indicates existing water main, water valve & hydrant as located
  - indicates existing storm sewer, catch basin & manhole as located
  - indicates existing sanitary sewer, sewer vent & manhole as located
  - indicates N.M.P.C. handhold and/or ornamental street light as located
  - indicates existing water main water valve, water service & hydrant
  - indicates existing storm sewer & catch basin
  - indicates existing sanitary sewer & manhole
  - indicates sanitary sewer force main.
  - indicates monument to be set
  - indicates driveway cut

**NOTES:**

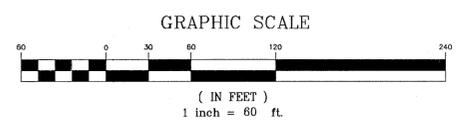
ALL SANITARY SEWER MANHOLES, CATCH BASINS, STORM OUTFALLS, HYDRANTS, & WATER VALVES IN SECTION No. 1 & 2 SHOWN AS CONSTRUCTED & LOCATED JULY 6, 2011. ALL LIGHT STANDARDS & UTILITY BOXES SHOWN AS CONSTRUCTED & LOCATED JULY 6, 2011. ALL DRIVEWAYS SHOWN AS LOCATED JULY 6, 2011. THE STORM WATER MANAGEMENT AREA TOPOGRAPHY COMPLETED JULY 6, 2011.

**NOTES:**

Total Area: 14.26± Acres  
 Total Number of Lots: 19  
 Present Zone: Residential  
 Lot requirements: Front Yard - 20' Side Yard - 10'  
 Elevations referred to U.S.C.S. Datum.  
 Tax Map Nos. 02-01-05; 02-01-07; 03-01-15; 03-01-20; 03-01-29  
 Location of Hydrants, Water valves, & Water Services taken by field measurements, actual Watermain location shown by Water valve location.  
 Location of Catch Basins, Culverts, & Outfall Pipes taken by field measurements.  
 Location of Electric Transformers, Telephone Pedestals, & Cable TV pedestals taken by field measurements.

**WETLAND NOTE:**

No construction or grade change shall take place within the wetland area without approval of the U. S. Army Corp of Engineers.

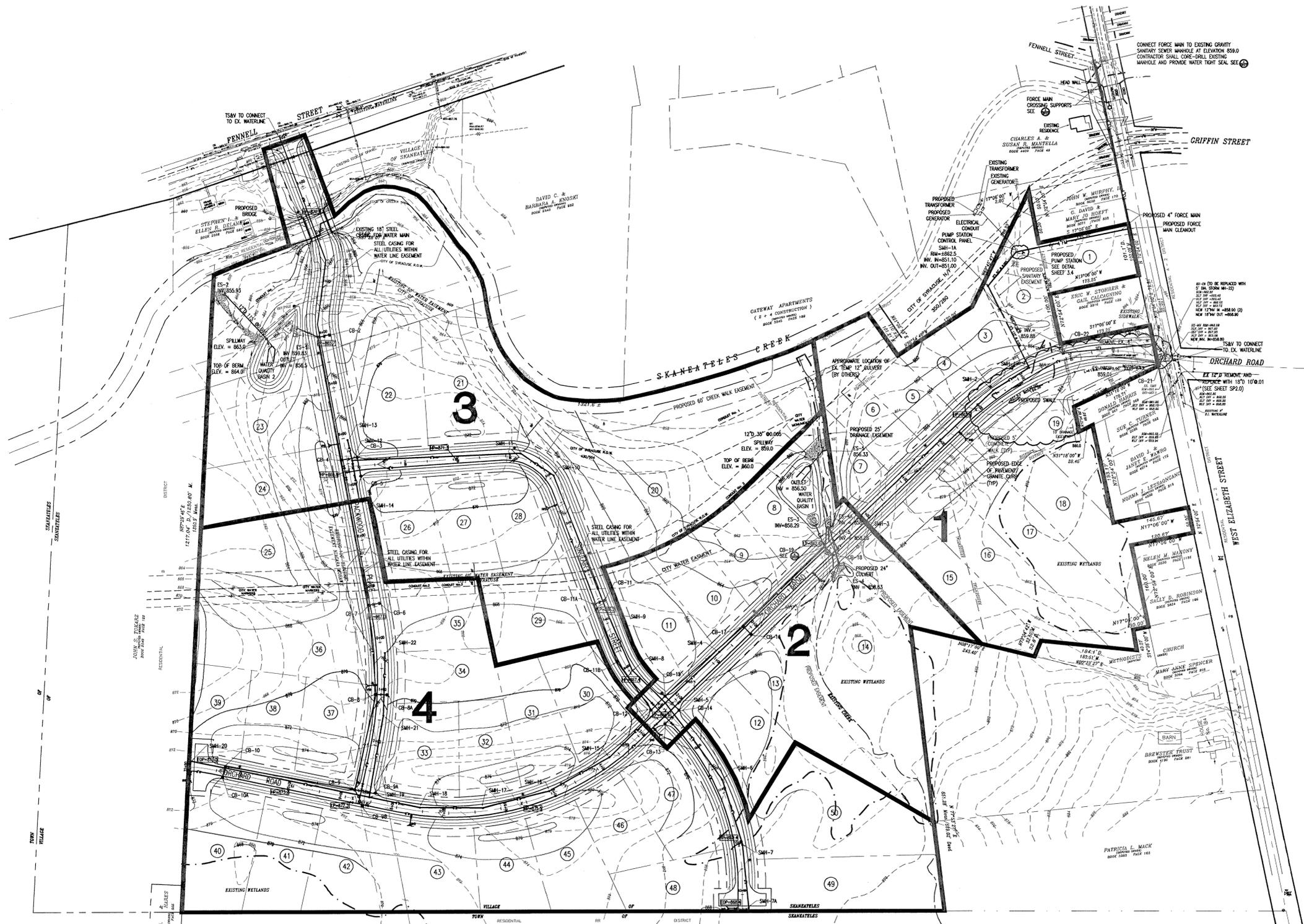


<b>AS-BUILT SURVEY INFORMATION</b> <b>PARKSIDE VILLAGE</b> SECTION No 1 & 2 PART OF FARM LOT Nos. 27 & 36 VILLAGE OF SKANEATELES TOWN OF SKANEATELES ONONDAGA COUNTY, NEW YORK		
IANUZI & ROMANS LAND SURVEYING, P.C. 5251 WITZ DRIVE NORTH SYRACUSE, NY 13212 PHONE: (315) 457-7200 FAX: (315) 457-9251	DATE: JULY 6, 2011 SCALE: 1" = 60' FILE NO.: 2154.002 F.B. NO. 1448	

 <b>DUNN AND SGROMO ENGINEERS</b> E. SYRACUSE, NEW YORK 5800 HERITAGE LANDING DRIVE (315)449-4940 (315)449-4941 FAX	NO. DATE REVISION BY 1 01.04.12 REVISED AS-BUILT RM	
	VILLAGE OF SKANEATELES ONONDAGA CO., NY <b>PARKSIDE SUBDIVISION</b>	
AS-BUILT SURVEY INFORMATION	SCALE: AS NOTED DESIGNED BY: DRAWN BY: CHECKED BY:	FILE NO.: 1079.001 DATE: 07.06.11 DWG. NO.: <b>AB10</b>

Q:\CADD Files\PROJECTS\Trason Skaneateles - 1079.001 - Park Side Subdivision\Working Drawings\SECTION 1&2 AS-BUILT\AS-BUILT SURVEY INFORMATION.dwg, 2/2/2012 1:55:42 PM

- GENERAL NOTES:**
- ELEVATIONS REFER TO U.S.G.S. DATUM AND ARE TAKEN FROM A TOPOGRAPHIC SURVEY PLAN PREPARED BY IANUZI AND ROMANS, P.C.
  - "DIG SAFELY NEW YORK" TO BE CONTACTED 72 HOURS PRIOR TO THE START OF ANY EXCAVATION.
  - LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY TEST EXCAVATIONS TO DETERMINE ACTUAL LOCATIONS. THERE MAY BE OTHER UTILITIES NOT SHOWN, THE LOCATION OF WHICH IS UNKNOWN.
  - THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO COMMENCING WORK.
  - THE CONTRACTOR SHALL NOTIFY THE VILLAGE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
  - PIPE MATERIALS, BACKFILL REQUIREMENTS AND OTHER DATA RELATIVE TO CONSTRUCTION PROCEDURES CAN BE FOUND ON DETAIL SHEETS.
  - CONTRACTOR TO VERIFY INVERT ELEVATION OF EXISTING MANHOLES AND CATCH BASINS.
  - PROFILE STATIONING REFERS TO CENTERLINE OF ROAD STATIONING UNLESS OTHERWISE NOTED.
  - PIPE DISTANCES INDICATED ON PROFILES REFER TO ACTUAL PIPE LENGTH.
  - ALL AREAS DISTURBED BY THE CONSTRUCTION, UNLESS OTHERWISE NOTED, SHALL RECEIVE 6" OF TOPSOIL, BE FINE GRADED, SEEDED AND MULCHED.
  - ALL EROSION CONTROL FACILITIES SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
  - THE VILLAGE DPW SUPERINTENDENT IS TO BE NOTIFIED PRIOR TO THE INSTALLATION OF ROAD SUBBASE COURSE, ASPHALT COURSE, AND TOP COURSE.
  - SANITARY SEWERS TO BE AIR TESTED AFTER THE INSTALLATION OF THE WATER FACILITIES.
  - A PERIODICALLY UPDATED SCHEDULE IDENTIFYING KEY CONSTRUCTION TASKS AND TESTING SHALL BE PROVIDED TO THE VILLAGE AND THE VILLAGE ENGINEER.
  - SPECIAL BACKFILL MATERIAL AND ROAD SUBBASE MATERIAL SHALL REQUIRE A MODIFIED PROCTOR TEST IN ACCORDANCE WITH ASTM D1557.
- ALL ON-SITE SOIL USED AS FILL MATERIAL FOR THE ROADWAY SHALL ALSO REQUIRE A MODIFIED PROCTOR ANALYSIS OF THE PROPOSED MATERIAL IN ACCORDANCE WITH ASTM D1557.
- SOIL COMPACTION FOR ROAD FILL AREA SHALL BE TESTED PER ASTM D2922 (IN-PLACE DENSITY TEST). UNSUITABLE SOILS FOR ROADWAY AND PIPE FOUNDATIONS SHALL BE REMOVED AS REQUIRED BY THE VILLAGE ENGINEER AND BACKFILLED WITH ACCEPTABLE GRANULAR MATERIAL. BACKFILL WILL BE INSTALLED IN A MAXIMUM OF 6" LIFTS AND WILL BE COMPACTED TO 95% AS PER MODIFIED PROCTOR TEST.



NOTE: CITY OF SYRACUSE WATER CONDUIT LOCATIONS ARE BASED UPON FIELD LOCATION BY THE CITY OF SYRACUSE AND RECORD PLANS.

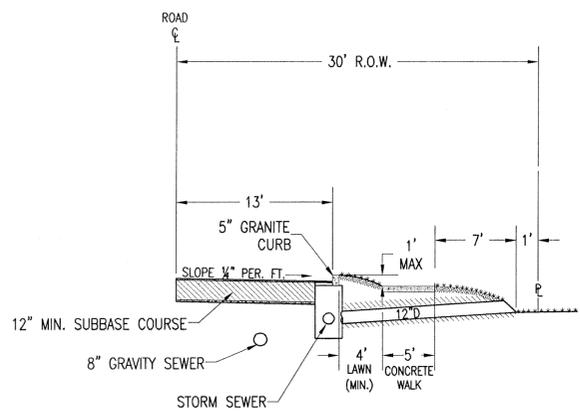
1 OVERALL SITE PLAN  
SCALE: 1"=100'



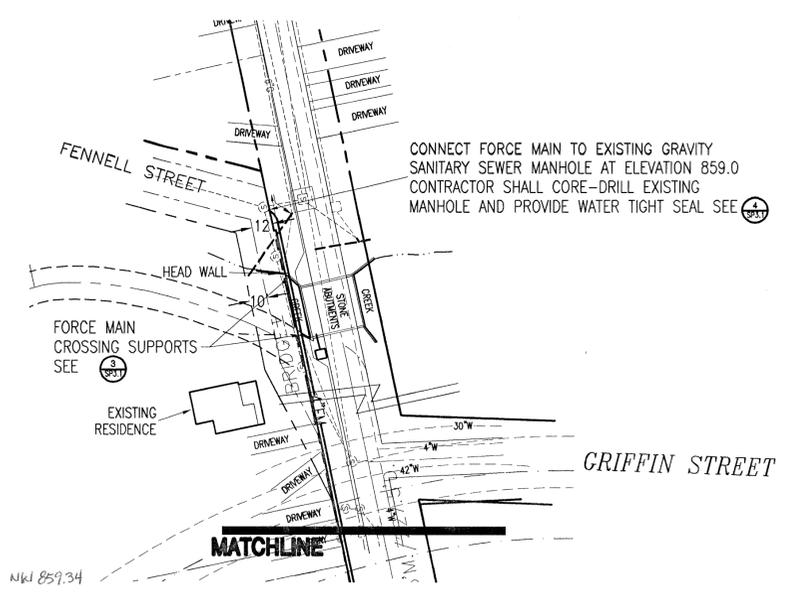
**As-built Notes:**  
This drawing is for reference only and shall not be used for elevation information.

All as-built locations & elevations taken from As-Built Survey Information drawing (AB-1.0) by Ianuzi & Romans.

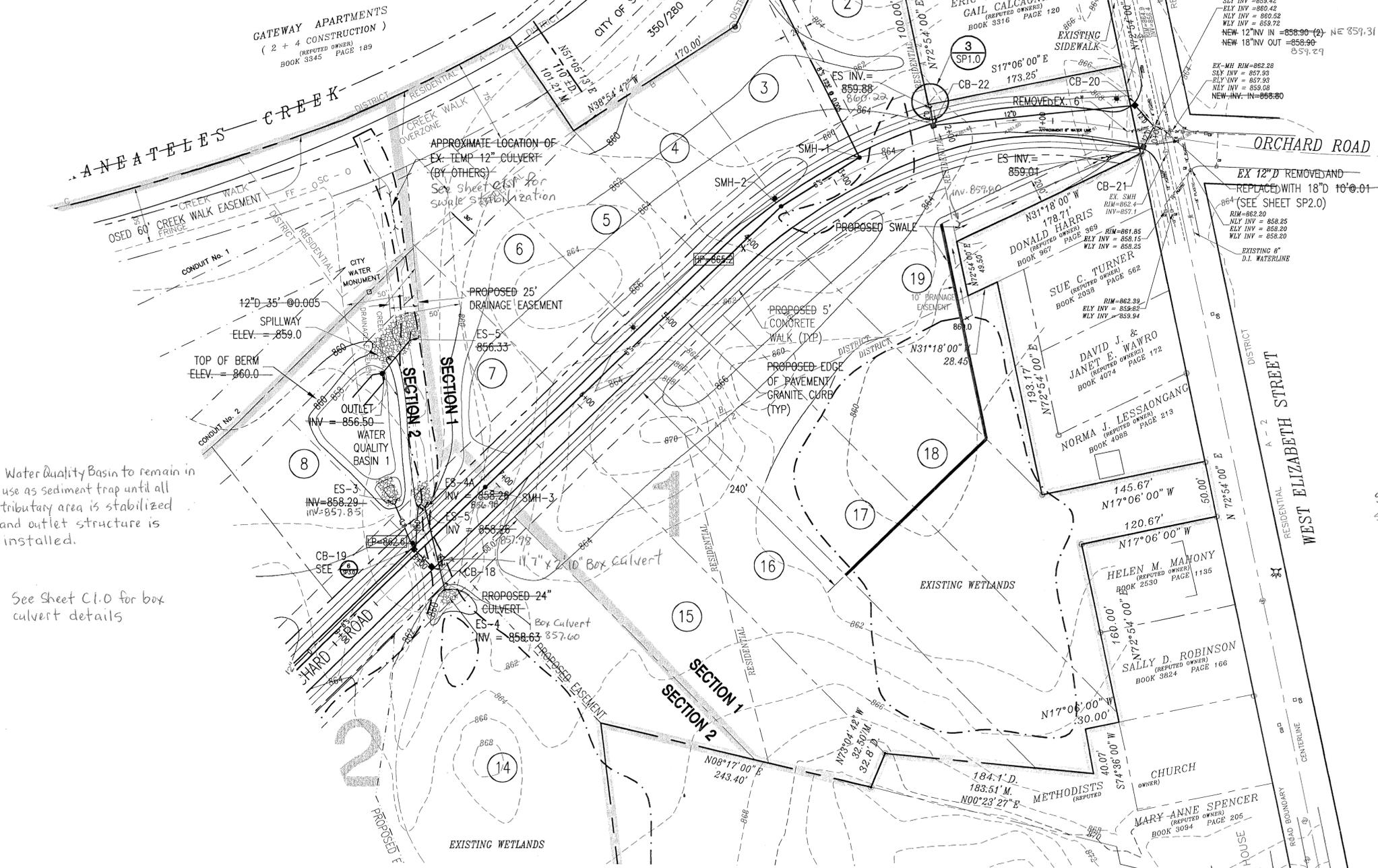
<p><b>DUNN AND SGROMO ENGINEERS</b> E. SYRACUSE, NEW YORK 5800 HERITAGE LANDING DRIVE (315)449-4940 (315)449-4941 FAX</p>		<p>7/1-4-13 Revised As-Built RM</p>																											
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<p>VILLAGE OF SKANEATELES ONONDAGA CO., NY</p> <p><b>PARKSIDE SUBDIVISION</b></p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>08.25.04</td> <td>AS PER SYR. WATER DEPT.</td> <td>JFE</td> </tr> <tr> <td>2</td> <td>09.03.04</td> <td>STORM AND SANITARY</td> <td>JFE</td> </tr> <tr> <td>3</td> <td>10.01.04</td> <td>AS PER VILLAGE ENGINEER</td> <td>JFE</td> </tr> <tr> <td>4</td> <td>10.11.04</td> <td>AS PER VILLAGE ENGINEER</td> <td>JFE</td> </tr> <tr> <td>5</td> <td>10.13.04</td> <td>RELEASED FOR CONSTRUCTION</td> <td>JFE</td> </tr> <tr> <td>6</td> <td>07.20.11</td> <td>AS-BUILT</td> <td>RPG</td> </tr> </tbody> </table>	NO.	DATE	REVISION	BY	1	08.25.04	AS PER SYR. WATER DEPT.	JFE	2	09.03.04	STORM AND SANITARY	JFE	3	10.01.04	AS PER VILLAGE ENGINEER	JFE	4	10.11.04	AS PER VILLAGE ENGINEER	JFE	5	10.13.04	RELEASED FOR CONSTRUCTION	JFE	6	07.20.11	AS-BUILT	RPG
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5	10.13.04	RELEASED FOR CONSTRUCTION	JFE																										
6	07.20.11	AS-BUILT	RPG																										
<p>OVERALL SITE PLAN</p>	<p>SCALE: AS NOTED FILE NO.: 1079.001</p> <p>DESIGNED BY: GS DATE: 04.21.04</p> <p>DRAWN BY: NHZ/JFE DWG. NO. SP0.0</p> <p>CHECKED BY: GS</p>																												



**3** RIGHT-OF-WAY EMBANKMENT DETAIL  
SP1.0 NOT TO SCALE



**2** PARTIAL SITE PLAN  
SCALE: 1"=50'



**1** PARTIAL SITE PLAN  
SCALE: 1"=50'

**LEGEND**

EXISTING	Section 1/2 Improvements
CONTOUR	496
SPOT ELEVATION	494.75 x
PROPERTY LINE	494.75 x
LOT LINE	
EASEMENT	
CENTERLINE	
BUILDING SETBACK	
RIGHT-OF-WAY	
WETLAND	
SANITARY MANHOLE	8" S
SANITARY LINE	8" S
STORM LINE	12" D
END SECTION	
CATCH BASIN	
WATER LINE	8" W
HYDRANT	
GATE VALVE	
POWERLINE	
GAS LINE	
LOT NUMBERS	
STREET LIGHT	



NO.	DATE	REVISION	BY
12	1-4-12	Revised As-Built	JFM
11	07-20-11	AS-BUILTS	RPG
10	04-07-05	REVISED DRAINAGE	NHZ
9	01-31-05	RELOCATE PUMP STATION	SAL
8	12-14-04	ADD ES AND CB-22 & DETAIL	JFE
7	12-02-04	ADD GENERATOR/ TRANSFORMER	JFE

**DUNN AND SGROMO ENGINEERS**  
E. SYRACUSE, NEW YORK  
5800 HERITAGE LANDING DRIVE (315)449-4940 (315)449-4941 FAX

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NO.	DATE	REVISION	BY
1	08.25.04	AS PER SYR. WATER DEPT.	JFE
2	09.03.04	STORM AND SANITARY	JFE
3	10.01.04	AS PER VILLAGE ENGINEER	JFE
4	10.11.04	AS PER VILLAGE ENGINEER	JFE
5	10.13.04	RELEASED FOR CONSTRUCTION	JFE
6	11.15.04	ADD CB'S, REVISED PROFILE	SAL

SCALE: AS NOTED FILE NO.: 1079.001  
 DESIGNED BY: GS DATE: 04.21.04  
 DRAWN BY: NHZ DWG. NO.:  
 CHECKED BY: GS **SP1.0**

Water Quality Basin to remain in use as sediment trap until all tributary area is stabilized and outlet structure is installed.

See Sheet C1.0 for box culvert details

See attached survey for as-built location of all hydrants, street lights, valves, utility risers and water/sewer laterals.

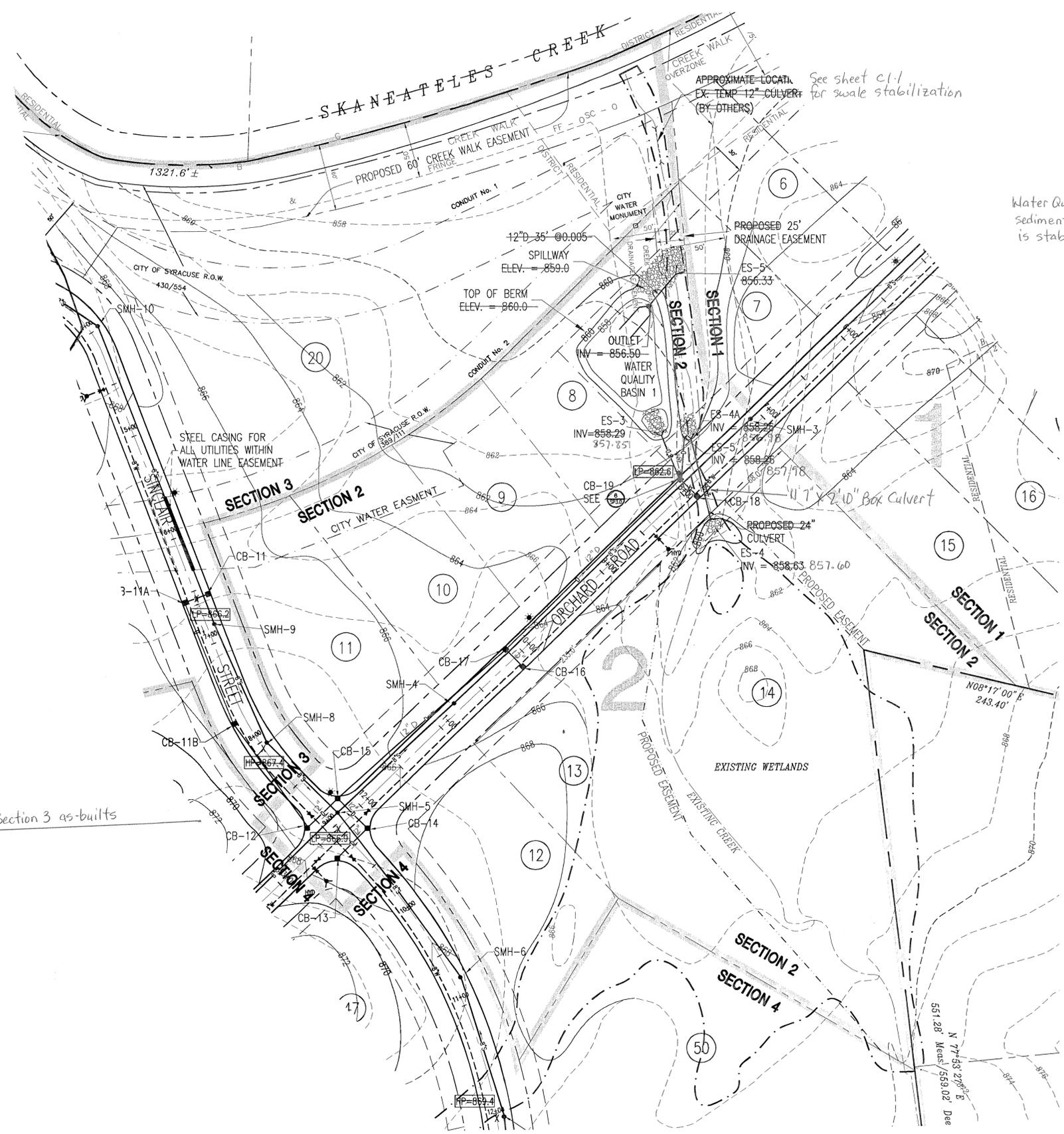
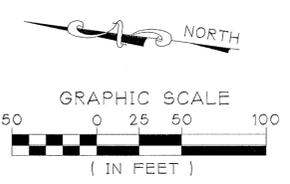
LEGEND	
EXISTING	Section 1/2 Improvements
CONTOUR	496
SPOT ELEVATION	494.75-X
PROPERTY LINE	494.75 X
LOT LINE	
EASEMENT	
CENTERLINE	
BUILDING SETBACK	
RIGHT-OF-WAY	
WETLAND	
SANITARY MANHOLE	8" S
SANITARY LINE	8" S
STORM LINE	12" D
END SECTION	
CATCH BASIN	
WATER LINE	8" W
HYDRANT	
GATE VALVE	
POWERLINE	
GAS LINE	
LOT NUMBERS	47
STREET LIGHT	

See attached survey for as-built location of all hydrants, street lights, valves, utility risers and water/sewer laterals

Water Quality Basin to remain in use as sediment trap until all tributary area is stabilized.

See Sheet C1.0 for Box Culvert details

This drawing for Section 1 & 2 As-Built only.



See Section 3 as-builts

1 PARTIAL SITE PLAN  
SP1.1 SCALE: 1"=50'



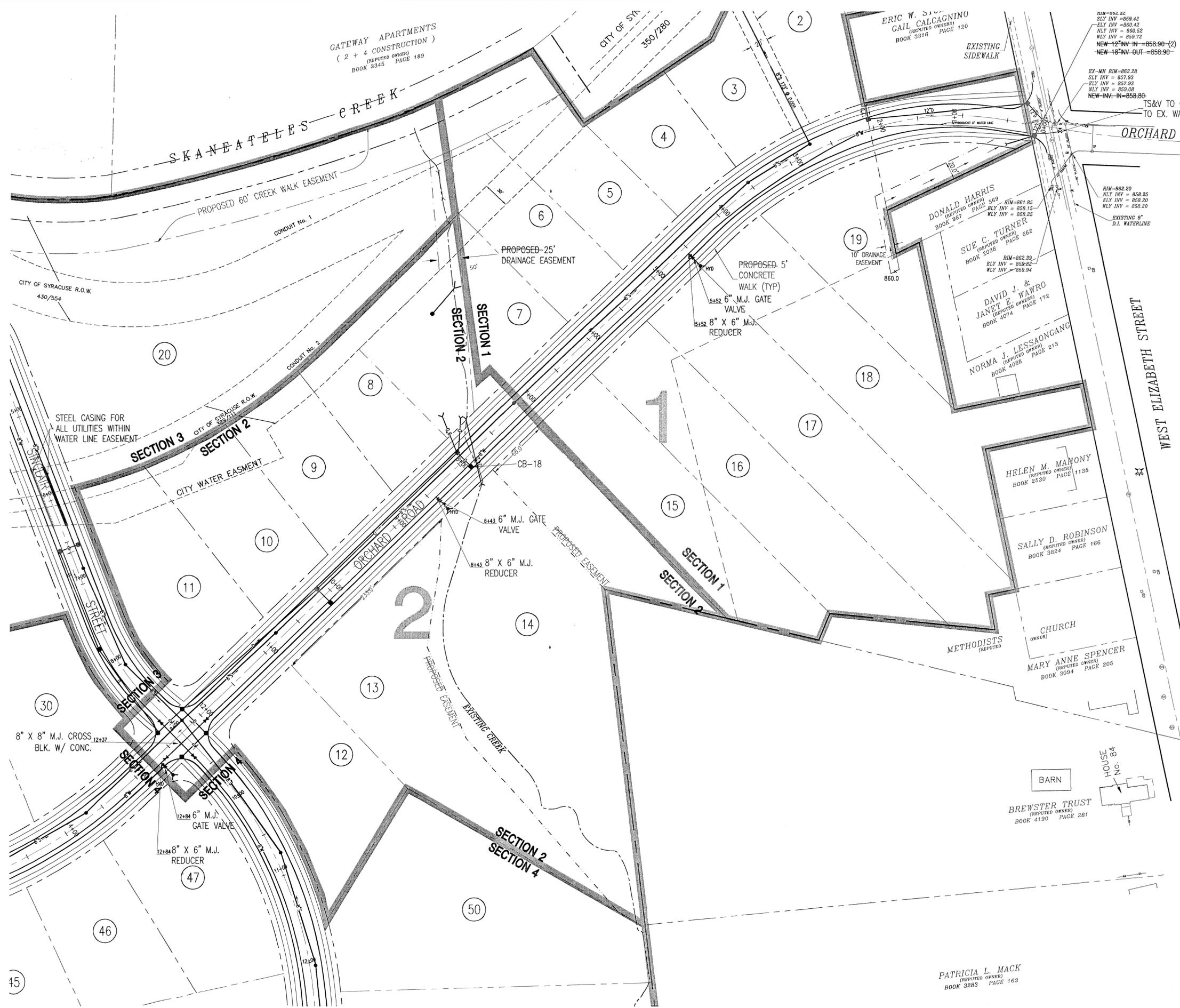
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2	09.03.04	STORM AND SANITARY	JFE
3	10.01.04	AS PER VILLAGE ENGINEER	JFE
4	10.11.04	AS PER VILLAGE ENGINEER	JFE
5	10.13.04	RELEASED FOR CONSTRUCTION	JFE
6	06.13.07	ADDED EASEMENTS	NHZ

SCALE: AS NOTED	FILE NO.: 1079.001
DESIGNED BY: GS	DATE: 04.21.04
DRAWN BY: NHZ	DWG. NO.:
CHECKED BY: GS	<b>SP1.1</b>



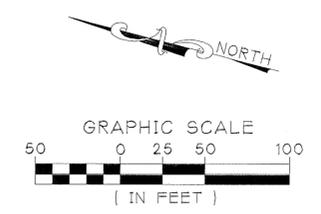
NOTES:

- CONTRACTOR SHALL POLYWRAP THE WATERMAIN 10' EACH SIDE OF CATCH BASINS 12, 13, 14, 16, & 21 IF THE WATERMAIN IS WITHIN 10' OF THE BASIN. IF THE WATERMAIN IS WITHIN 3 FEET OF A CATCH BASIN, IT SHALL BE CONCRETE ENCASED.
- ADJACENT TO CATCH BASIN 18, THE WATERMAIN SHALL BE WRAPPED FROM A POINT 10' NORTH OF THE CATCH BASIN TO A POINT 10' SOUTH OF THE 24" CULVERT.

This drawing for Section 1 & 2  
As-Built only.

See attached survey for as-built location of  
all water valves, hydrants and service laterals.

See Waterline Relocation drawing for water main  
profile at culvert. (approx. road station 7+75).



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E. SYRACUSE, NEW YORK  
5800 HERITAGE LANDING DRIVE (315)449-4940 (315)449-4941 FAX

VILLAGE OF SKANEATELES  
ONONDAGA CO., NY  
**PARKSIDE SUBDIVISION**

**WATERLINE LAYOUT  
SECTIONS 1&2**

8	07.20.11	AS-BUILTS	RPG
7	05.10.05	REVISED NOTES	NHZ
SEAL:			
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3	10.01.04	AS PER VILLAGE ENGINEER	JFE
4	10.11.04	AS PER VILLAGE ENGINEER	JFE
5	10.13.04	RELEASED FOR CONSTRUCTION	JFE
6	05.03.05	WATERLINE CROSSINGS	NHZ
SCALE:	AS NOTED	FILE NO.:	1079.001
DESIGNED BY:	GS	DATE:	04.21.04
DRAWN BY:	NHZ/JFE	DWG. NO.:	
CHECKED BY:	GS		<b>SP1.2</b>

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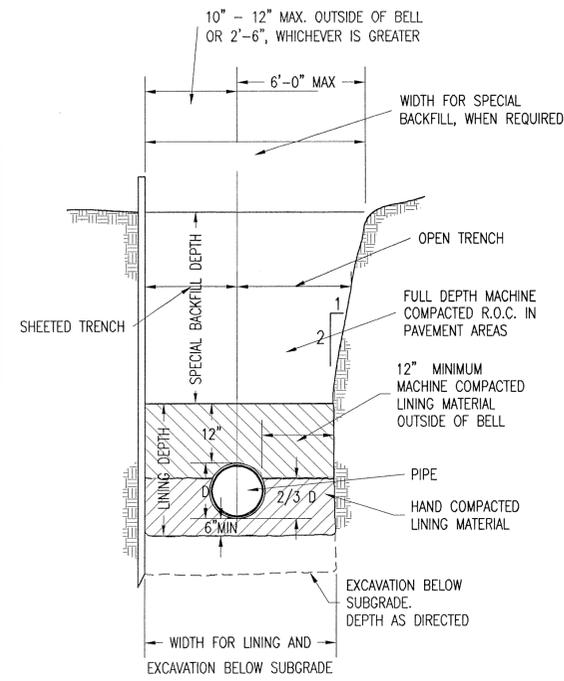
STORM SEWER NOTES

- CATCH BASINS SHALL BE 4'-0" INSIDE DIAMETER. ALL WORK SHALL BE IN ACCORDANCE WITH N.Y.S.D.O.T. STANDARD SHEET M604-5 AND DETAIL 3 ON THIS SHEET.
- STORM SEWER PIPING TO BE CORRUGATED SMOOTH BORE POLYETHYLENE PIPE IN ACCORDANCE WITH N.Y.S.D.O.T. ITEM 18903.97 AND AASHTO-M252 & M294. ALL STORM LINES TO BE LAMPED UPON COMPLETION.
- FLARED END SECTIONS SHALL BE INSTALLED ON ALL EXPOSED PIPE ENDS IN ACCORDANCE WITH NYSDOT STANDARD SHEET M603-3.
- LINING MATERIALS AND SPECIAL BACKFILL TO BE R.O.B. OR R.O.C. MATERIAL (N.Y.S.D.O.T. SECTION 304-2.02 TYPE 4), MEETING THE FOLLOWING GRADATIONS:
 

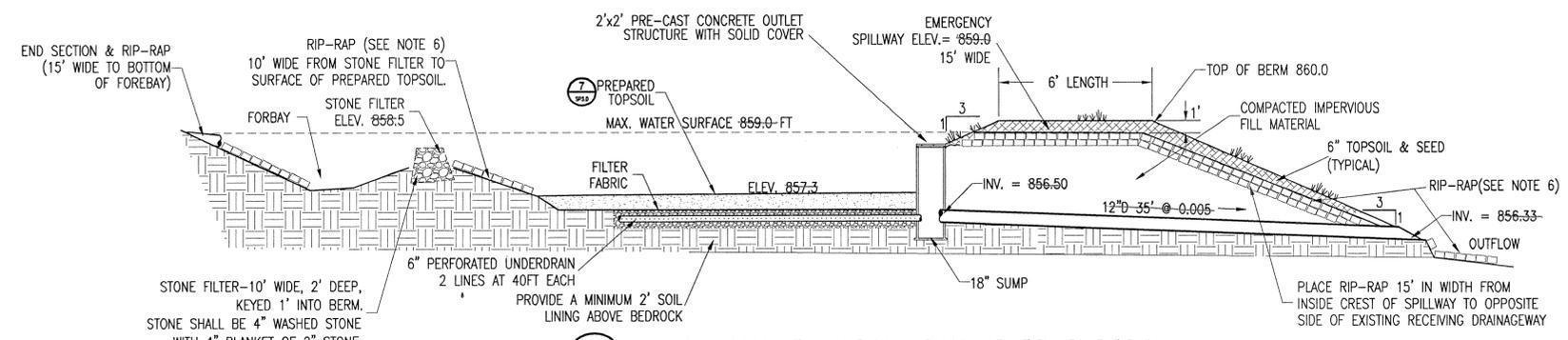
SIEVE SIZE	PERCENT PASSING BY WEIGHT
2"	100
1/4"	30-50
NO. 40	5-40
NO. 200	0-10
- GRANULAR FILTER MATERIAL TO BE N.Y.S.D.O.T. (SECTION 605-2.02) TYPE 1, MEETING THE FOLLOWING GRADATIONS:
 

SIEVE SIZE	PERCENT PASSING BY WEIGHT
1"	100
1/2"	30-100
1/4"	0-30
NO. 10	0-10
NO. 20	0-5
- RIP-RAP SHALL BE UNIFORMLY HARD, DURABLE, AND ANGULAR FIELD OR QUARRIED LIMESTONE WITH A MINIMUM DENSITY OF 150 LB/CF. THE RATIO OF THE MINIMUM DIMENSION TO THE MAXIMUM DIMENSION OF EACH PIECE TO BE AT LEAST 0.6. RIP-RAP SHALL BE COMPOSED OF A WELL GRADED MIXTURE OF PRIMARILY LARGER STONE SIZES WITH A SUFFICIENT MIXTURE OF SMALLER SIZES TO FILL THE VOIDS. UNLESS OTHERWISE NOTED IN THESE PLANS, SUPPLEMENTAL SPECIFICATIONS, OR UNLESS OTHERWISE DIRECTED, RIP-RAP SIZES SHALL BE AS FOLLOWS:
 

MAX. DIMENSION OF STONE	% OF MIX BY WEIGHT
18-24"	20
12-18"	50
8-12"	20
4-8"	10
- RIP-RAP SHALL BE HAND-CHINKED FOR STABILITY.
- ALL STORM SEWER UTILITIES CROSSING THE CITY OF SYRACUSE WATER EASEMENT TO BE ENCASED IN STEEL WITHIN THE EASEMENT.



1 DETAIL: STORM TRENCH AND LINING  
SP3.0 NOT TO SCALE

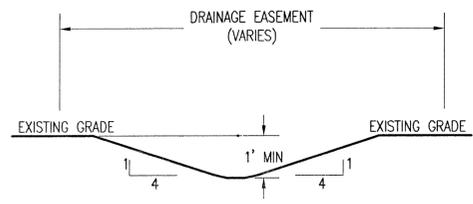


4 WATER QUALITY BASIN 1 - SAND FILTER SYSTEM  
SP3.0 NOT TO SCALE

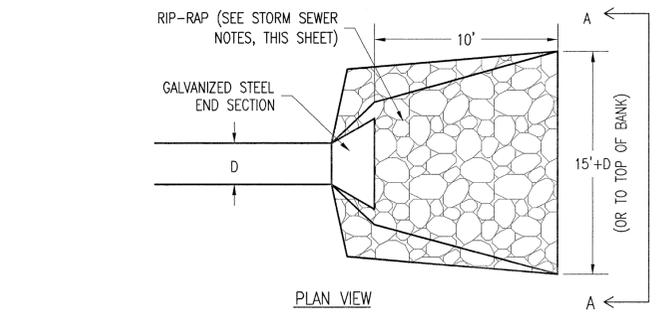
NOTE: BERM FILL MATERIAL SHALL BE PLACED IN 6" LIFTS AND COMPACTION SHALL BE TESTED IN ACCORDANCE WITH ASTM D2922

NOTE: UNDERDRAIN SYSTEM AND PREPARED SOIL LAYER TO BE INSTALLED ONLY AFTER:  
 1. DISTURBED AREAS HAVE BEEN STABILIZED BY EITHER IMPERVIOUS COVER OR GRASS COVER > 75%  
 2. SILT HAS BEEN CLEANED FROM BASIN AND ALL STRUCTURES  
 3. NO FURTHER DISTURBANCE IS PLANNED

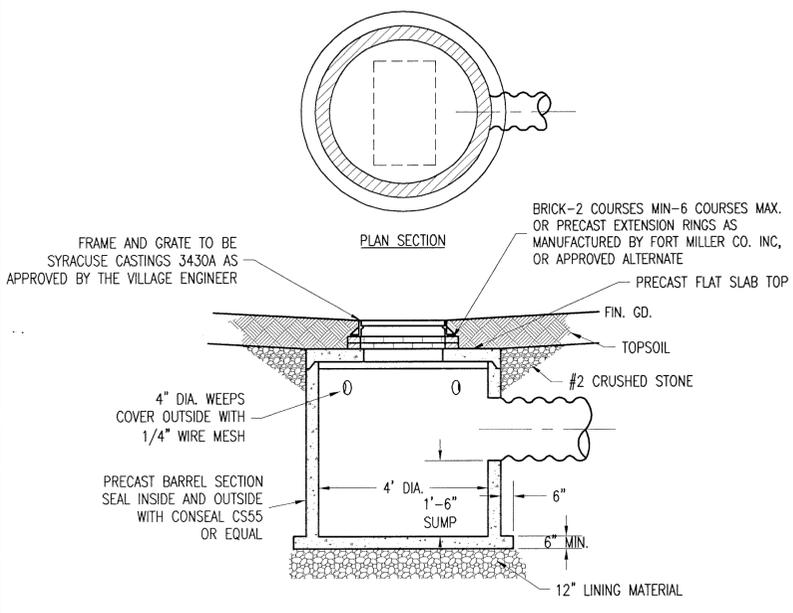
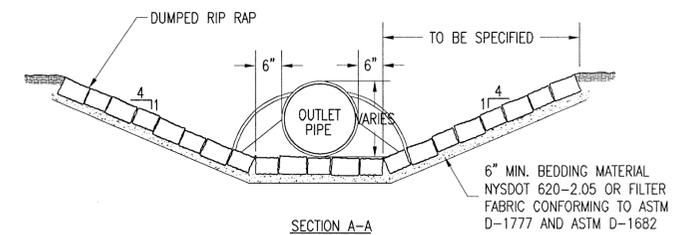
*Water Quality Basin to remain in use as sediment trap until all tributary area is stabilized and outlet structure is installed.*



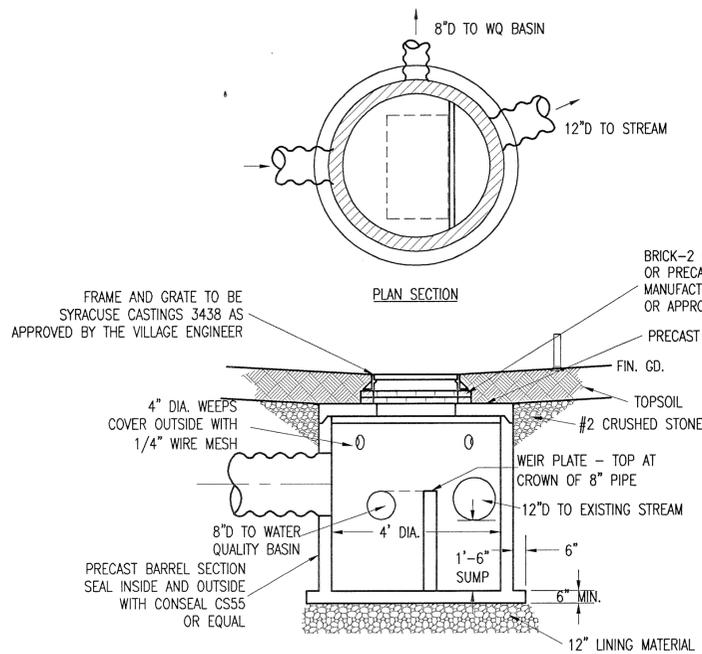
2 DETAIL: TYPICAL SWALE OR CHANNEL  
SP3.0 NOT TO SCALE



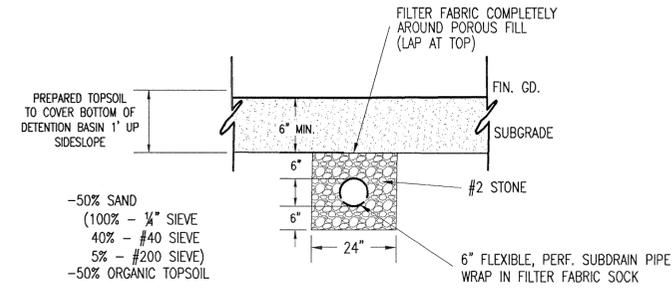
8 DETAIL: RIP-RAP END SECTION  
SP3.0 NOT TO SCALE



3 DETAIL: PRECAST CONCRETE CATCH BASIN  
SP3.0 NOT TO SCALE



6 DETAIL: CB-19 FLOW DIVERTER  
SP3.0 NOT TO SCALE



7 6" PERFORATED UNDERDRAIN BASIN 1 & 2  
SP3.0 NOT TO SCALE

NOTE: PROVIDE FILTER FABRIC LINING BELOW PREPARED TOPSOIL

<p><b>DUNN AND SGROMO ENGINEERS</b> E. SYRACUSE, NEW YORK 5800 HERITAGE LANDING DRIVE (315)449-4940 (315)449-4941 FAX</p>		7-1-13 Revised As-Built E.M.	
		NO. DATE REVISION BY	FILE NO.: 1079.001
VILLAGE OF SKANEATELES ONONDAGA CO., NY		DESIGNED BY: CS DATE: 04.21.04	<b>SP3.0</b>
<b>PARKSIDE SUBDIVISION</b>		DRAWN BY: NHZ DWG. NO.:	
<b>STORM SEWER DETAILS</b>		CHECKED BY: CS	

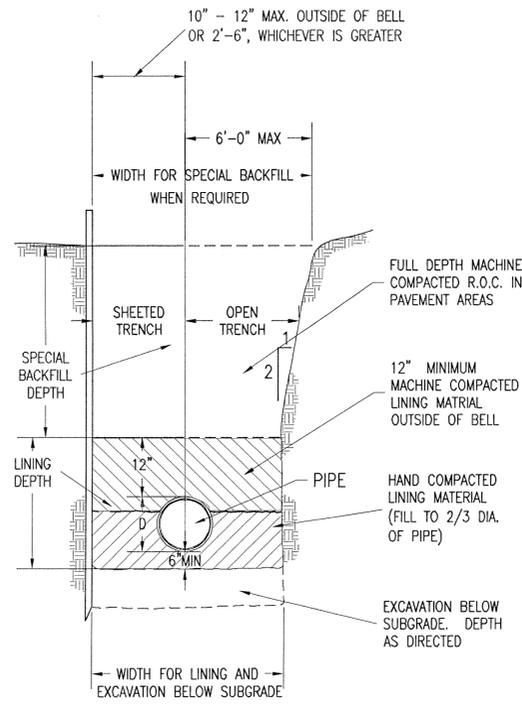
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**SANITARY SEWER NOTES**

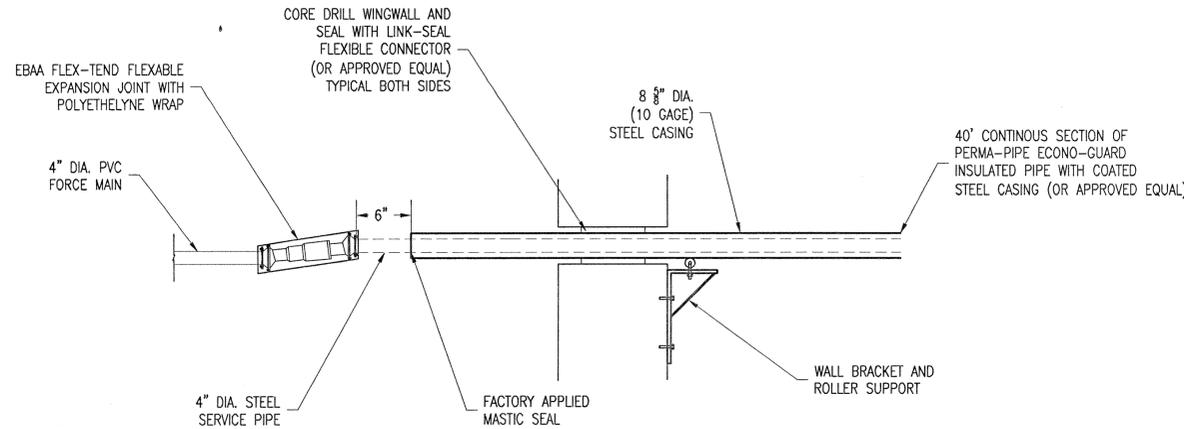
APPLICATION DETAILS AND NOTES PERTAIN TO THIS PROJECT UNLESS OTHERWISE NOTED

- SANITARY SEWER MAIN PIPE SHALL BE 8" ASTM D-3034 SDR-35 PVC WITH RUBBER RING GASKETS.
- SANITARY SEWER LATERALS TO BE 6" SDR-35 PVC WITH RUBBER RING GASKET.
- STANDARD LEAKAGE AND DEFLECTION TESTS REQUIRED ON ALL SEWER MAINS AS PER ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION REGULATIONS.
- SANITARY SEWERS SHALL BE AIR TESTED AFTER THE INSTALLATION OF THE WATER MAINS AND SERVICES.
- ALL SANITARY SEWER STRUCTURES, TEMPORARY STUBBED ENDS AND LATERAL ENDS SHALL BE MARKED WITH 2"x4's EXTENDING 3' ABOVE FINISHED GRADE WITH TOPS PAINTED GREEN.
- SANITARY SEWER LATERAL LOCATIONS TO BE PROVIDED BY DEVELOPER'S ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL RECORD AND PROVIDE ENGINEER WITH AS-BUILT LOCATIONS AND DEPTHS OF ALL SANITARY SEWER LATERAL ENDS.
- THE MINIMUM SLOPE FOR SEWER LATERALS TO BE 2% (1/4" PER FT.).
- COMPACTION OF ALL BACKFILL MATERIALS REQUIRED IN AREAS UNDER PROPOSED PAVEMENT.
- LINING MATERIAL FOR PIPE TO BE R.O.B. OR R.O.C. MEETING THE FOLLOWING GRADATION:
 

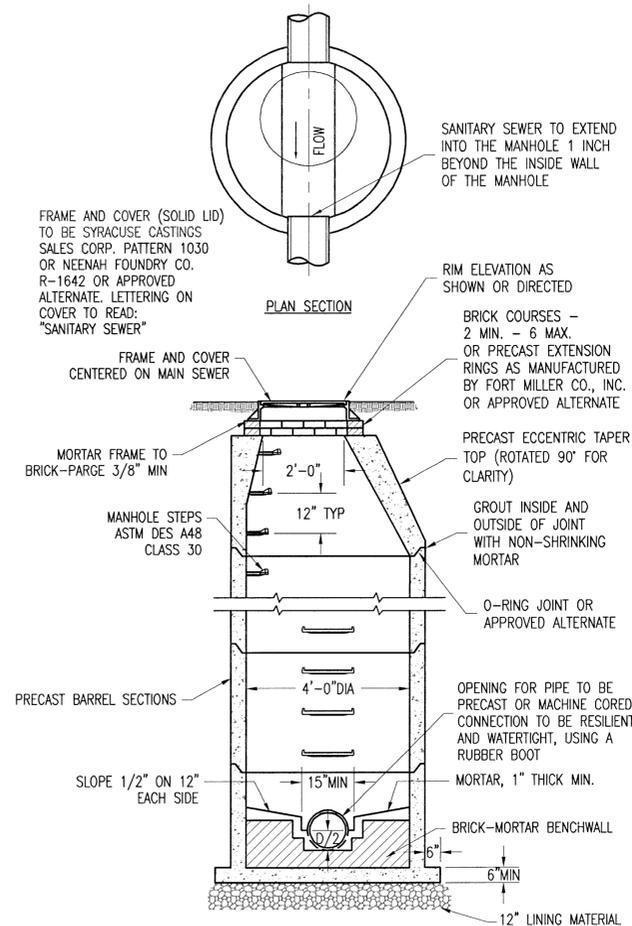
% PASSING	SQUARE OPENING
100	1-1/2
50-60	1/4
0-10	#200
- MANHOLES SHALL BE 4' DIAMETER PRECAST CONCRETE WITH H-20 LOADING.
- ALL SANITARY SEWER UTILITIES CROSSING THE CITY OF SYRACUSE WATER EASEMENT TO BE ENCASED IN STEEL WITHIN THE EASEMENT.
- SHOP DRAWINGS SHALL BE SUPPLIED AND APPROVED BY VILLAGE OF SKANEATELES ENGINEER PRIOR TO INSTALLATION.



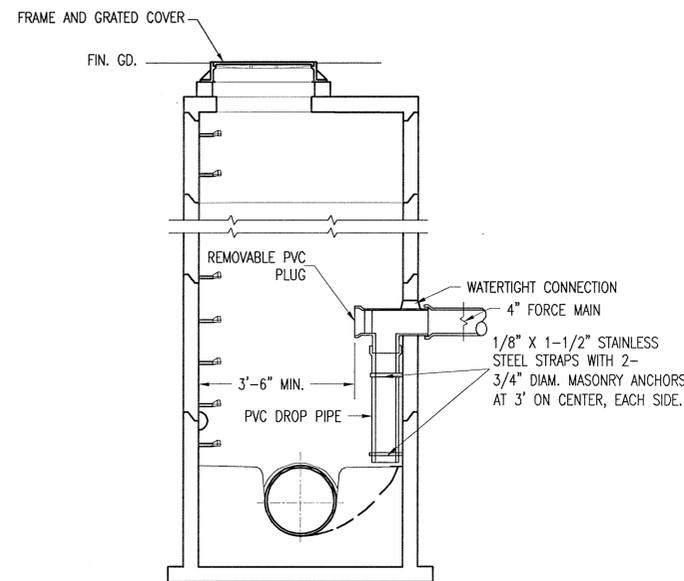
**1** **DETAIL: SANITARY TRENCH AND LINING**  
SP3.1 NOT TO SCALE



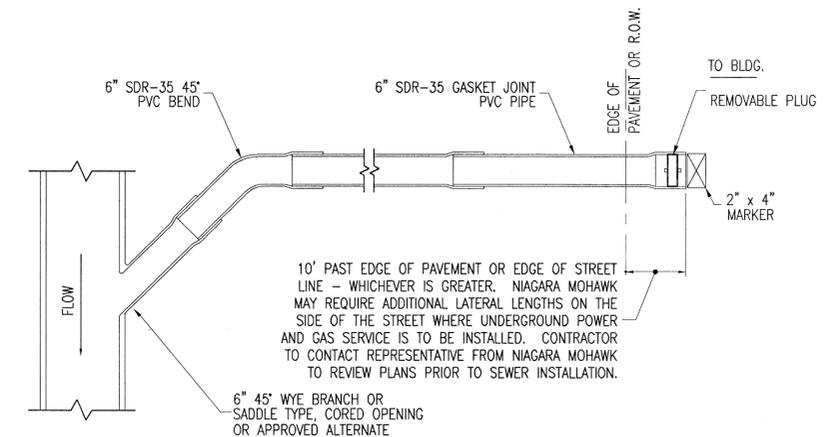
**3** **DETAIL: FORCE MAIN STREAM CROSSING**  
SP3.1 NOT TO SCALE



**2** **DETAIL: PRECAST CONCRETE MANHOLE**  
SP3.1 NOT TO SCALE



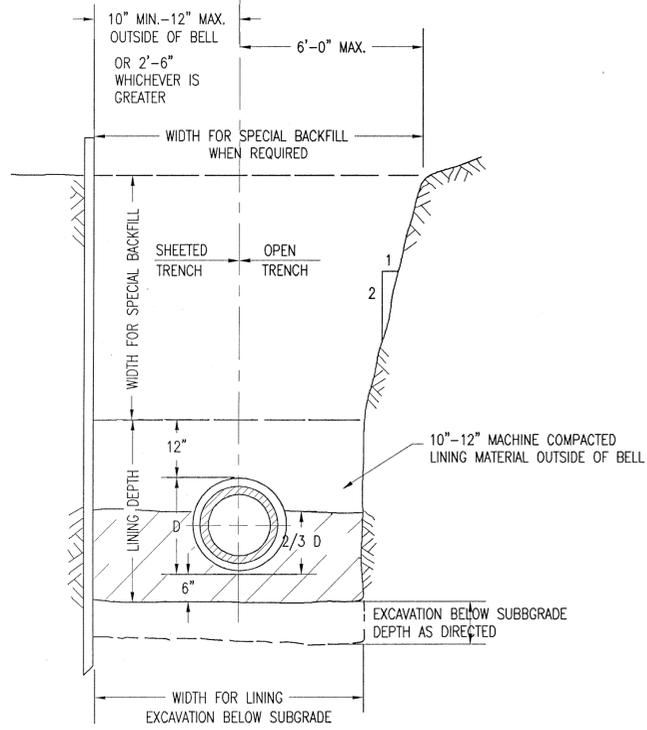
**4** **DETAIL: INSIDE DROP INTO EXISTING MANHOLE**  
SP3.1 NOT TO SCALE



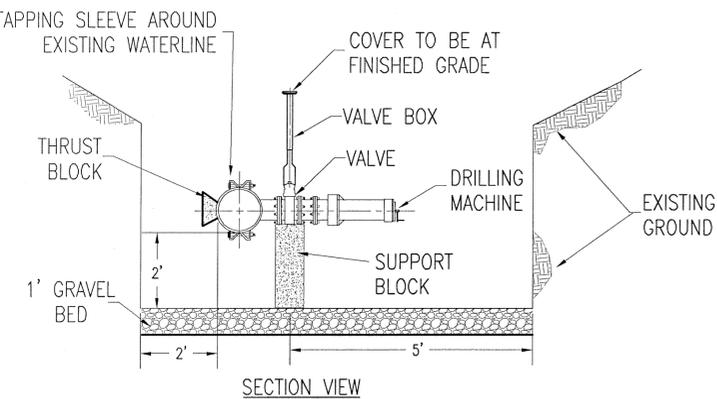
**5** **DETAIL: STANDARD BUILDING LATERAL**  
SP3.1 NOT TO SCALE

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VILLAGE OF SKANEATELES ONONDAGA CO., NY  <b>PARKSIDE SUBDIVISION</b>  <b>SANITARY SEWER DETAILS</b>	NO.	DATE	REVISION	BY
	1	08.25.04	AS PER SYR. WATER DEPT.	JFE
	2	09.03.04	STORM AND SANITARY	JFE
	3	10.01.04	AS PER VILLAGE ENGINEER	JFE
	4	10.11.04	AS PER VILLAGE ENGINEER	JFE
	5	10.13.04	RELEASED FOR CONSTRUCTION	JFE
	6	07.20.11	AS-BUILTS	RPG
	SCALE:	AS NOTED	FILE NO.:	1079.001
	DESIGNED BY:	GS	DATE:	04.21.04
	DRAWN BY:	NHZ/JFE	DWG. NO.:	
	CHECKED BY:	GS		

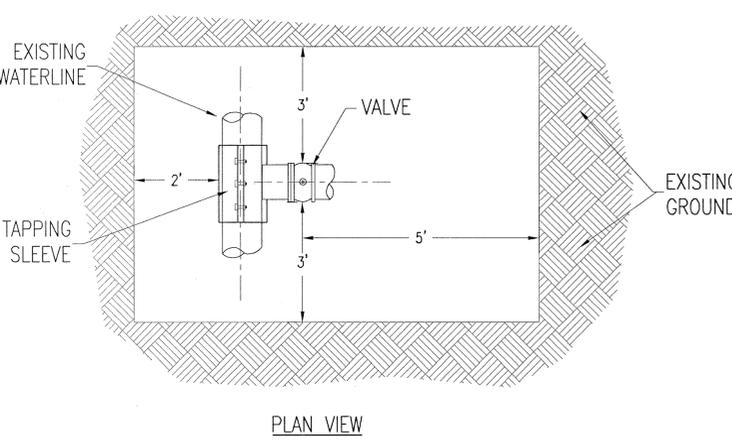
**SP3.1**



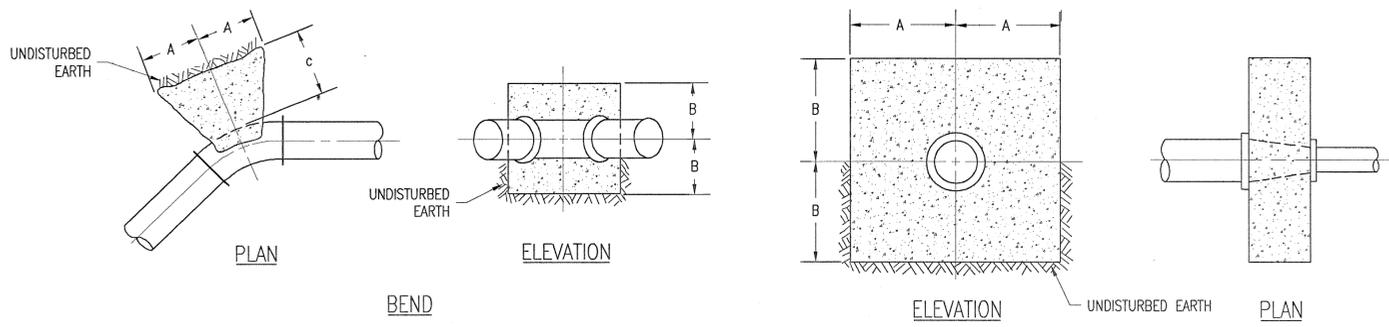
1 DETAIL: TRENCH AND LINING  
NOT TO SCALE



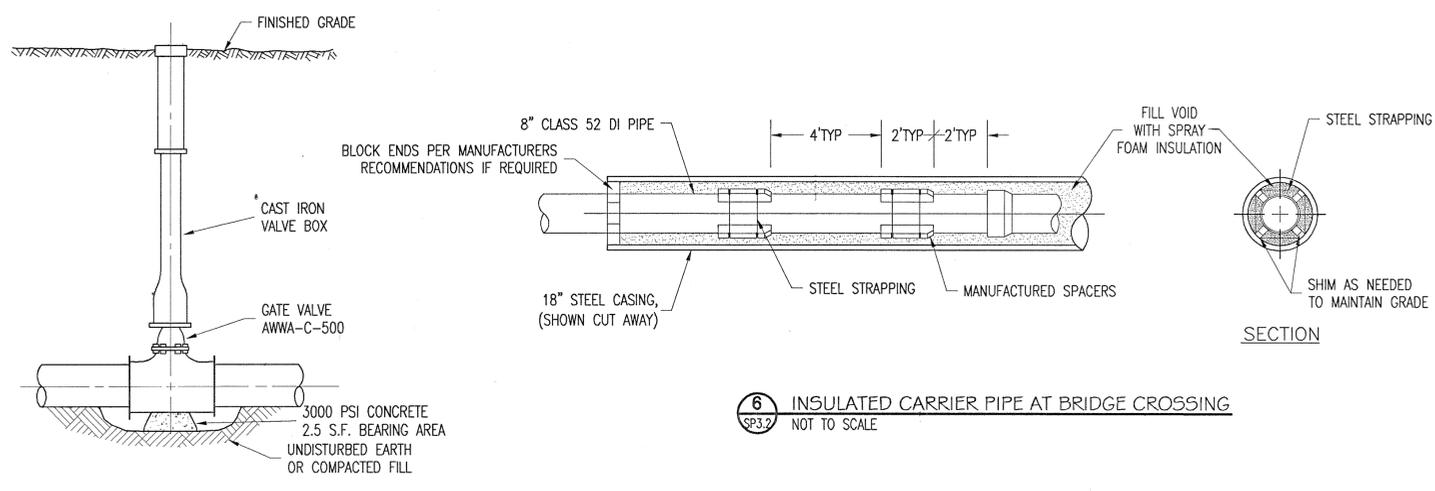
2 DETAIL: TAPPING SLEEVE AND VALVE  
NOT TO SCALE



PLAN VIEW

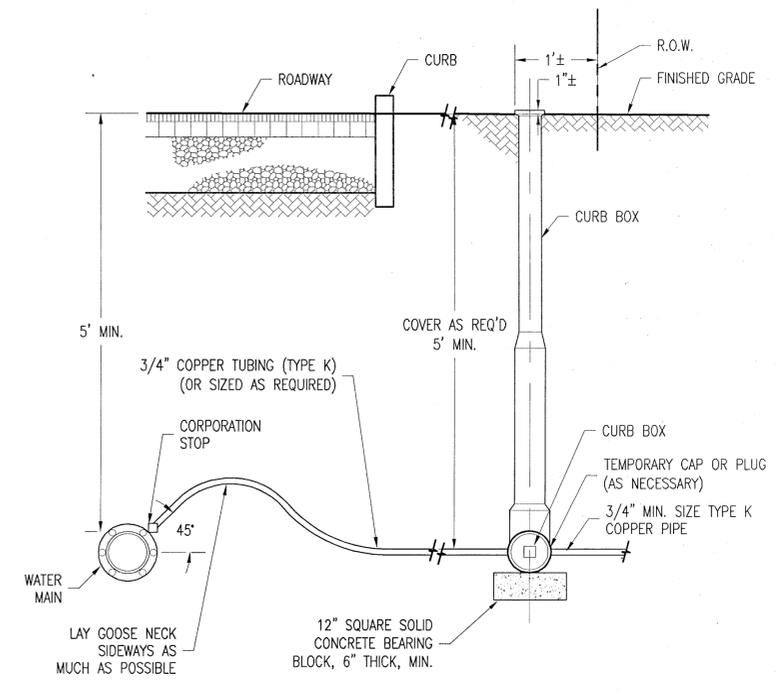


3 DETAIL: THRUST BLOCK  
NOT TO SCALE



5 DETAIL: GATE VALVE  
NOT TO SCALE

- WATER DETAIL NOTES**
- APPLICABLE DETAILS AND NOTES SHALL APPLY TO THIS PROJECT UNLESS OTHERWISE NOTED;
1. WATER MAIN SHALL BE CONSTRUCTED OF CEMENT-LINED DUCTILE IRON PIPE, CLASS 52 (MEETING THE REQUIREMENTS OF AWWA STANDARDS C-600) WITH TYTON TYPE JOINTS, AND TWO BRASS WEDGES INSTALLED IN EACH JOINT SIZES AS SHOWN ON THE PLAN, AND LAID WITH A MINIMUM OF 5' OF COVER. THESE DIMENSIONS ARE MEASURED FROM TOP OF PIPE TO FINISHED GRADE.
  2. WHEREVER GROUNDWATER IS ENCOUNTERED WITHIN SEVEN FEET OF FINISHED GRADE, WEEP HOLE DRAINS SHALL BE PLUGGED FOR BLOWOFFS, AIR RELEASES, OR HYDRANTS. THE WATER SYSTEM OPERATOR SHALL BE NOTIFIED REGARDING THE LOCATION OF PLUGGED HYDRANTS. ALL HYDRANTS PLUGGED SHALL BE PERMANENTLY TAGGED. HYDRANT BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER.
  3. THE PIPE SHALL BE TESTED UNDER A HYDROSTATIC PRESSURE OF 150 PSI. THE RATE OF LEAKAGE SHALL BE DETERMINED AT 15 MINUTE INTERVALS, BY MEANS OF VOLUMETRIC MEASUREMENT OF THE WATER ADDED DURING THE TEST, UNTIL THE RATE HAS STABILIZED AT A CONSTANT VALUE FOR 3 CONSECUTIVE 15 MINUTE PERIODS. THE TEST PRESSURE SHALL BE MAINTAINED FOR AT LEAST 2 HOURS.
  4. PRESSURE AND LEAKAGE TESTING ON THE PROPOSED WATER MAIN SHALL BE IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION (AWWA), STANDARD C-600.
  5. DISINFECTION OF NEW WATER MAINS SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-651.
  6. WATER SAMPLES SHALL BE TAKEN AT LOCATIONS ACCEPTABLE TO THE LOCAL HEALTH DEPARTMENT AND ANALYZED AT AN APPROVED LABORATORY. IN ACCORDANCE WITH AWWA STANDARD C-651 SECTION 7, TWO CONSECUTIVE SETS OF WATER SAMPLES SHALL BE TAKEN AT LEAST 24 HOURS APART, FOR EVERY 1200 FEET OF PIPE INSTALLED. SAMPLES SHOULD BE TAKEN AFTER FINAL FLUSHING AND ONLY AFTER THE CHLORINE RESIDUAL REMAINING IN THE SYSTEM IS <0.4 PPM. THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL WATER SAMPLES HAVE BEEN APPROVED BY THE HEALTH DEPARTMENT AND NOTIFICATION RECEIVED THEREOF.
  7. ALL VALVES AND CURB BOXES SHALL BE MARKED WITH 2X4'S EXTENDING 4' ABOVE FINISHED GRADE. THE TOP 1 FT. OF THE 2X4 SHALL BE PAINTED BLUE.
  8. HYDRANTS SHALL BE KENNEDY, SIZE 5 1/2" WITH SPECIAL HOSE NOZZLE THREAD, ONE (1) 4 1/2" NATIONAL PUMPER NOZZLE PAINTED ALL YELLOW, AND A 1 1/2" PENTAGON OPERATING NUT.
  9. CURB STOPS AND CORPORATION STOPS TO BE COMPRESSION FITTINGS, BY FORD METER BOX CO.
  10. GATE VALVES TO BE KENNEDY RESILIENT SEATING LEFT OPENING.

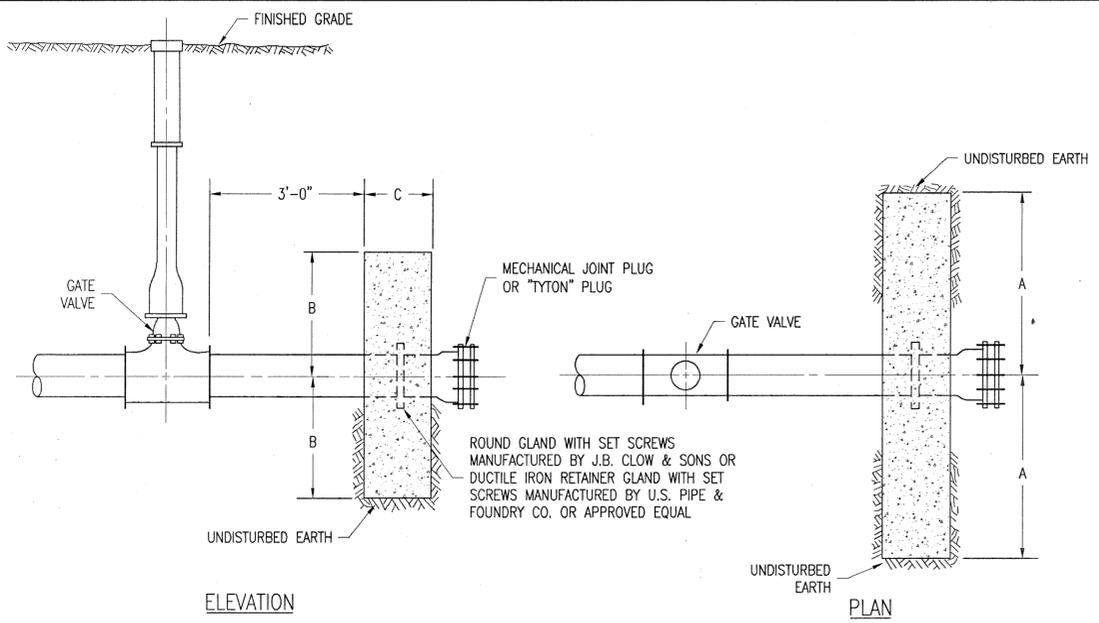


4 DETAIL: TYPICAL HOUSE SERVICE INSTALLATION  
NOT TO SCALE

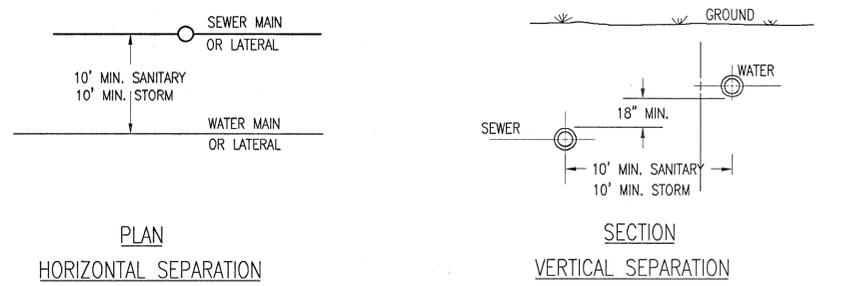
<p><b>DUNN AND SGROMO ENGINEERS</b> E. SYRACUSE, NEW YORK 5800 HERITAGE LANDING DRIVE (315)449-4940 (315)449-4941 FAX</p>	<p>07.20.11 AS-BUILTS</p> <p>IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER A LICENSED, REGISTERED ENGINEER, TO ALTER AN ITEM ON THIS DOCUMENT IN ANY WAY.</p> <p>©DUNN &amp; SGROMO ENGINEERS -2011 ALL RIGHTS RESERVED</p>	<p>RPG</p>
	<p>NO. DATE REVISION BY</p> <p>1 08.25.04 AS PER SYR. WATER DEPT. JFE</p> <p>2 09.03.04 STORM AND SANITARY JFE</p> <p>3 10.01.04 AS PER VILLAGE ENGINEER JFE</p> <p>4 10.11.04 AS PER VILLAGE ENGINEER JFE</p> <p>5 10.13.04 RELEASED FOR CONSTRUCTION JFE</p> <p>6 10.07.07 ADDED CARRIER PIPE DETAIL NHZ</p>	<p>SCALE: AS NOTED FILE NO.: 1079.001</p> <p>DESIGNED BY: GS DATE: 04.21.04</p> <p>DRAWN BY: NHZ/JFE DWG. NO:</p> <p>CHECKED BY: GS</p>

**WATER DETAILS**

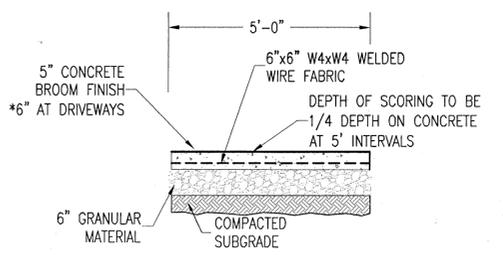
**SP3.2**



**1** **DETAIL: ANCHOR AND PLUG**  
SP3.3 NOT TO SCALE

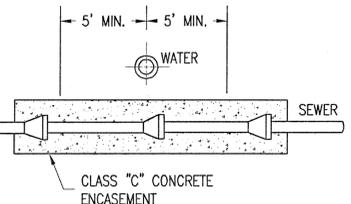
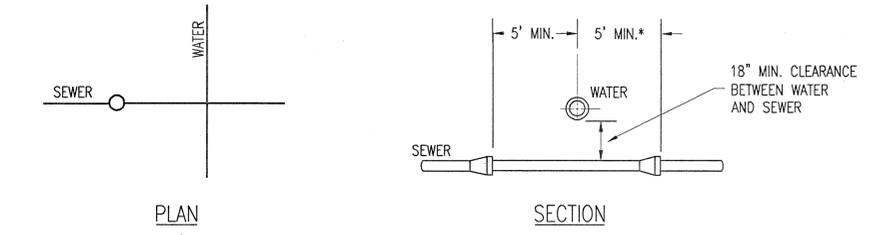


**3** **DETAIL: RELATION OF STORM & SANITARY SEWER TO WATER MAIN**  
SP3.3 NOT TO SCALE



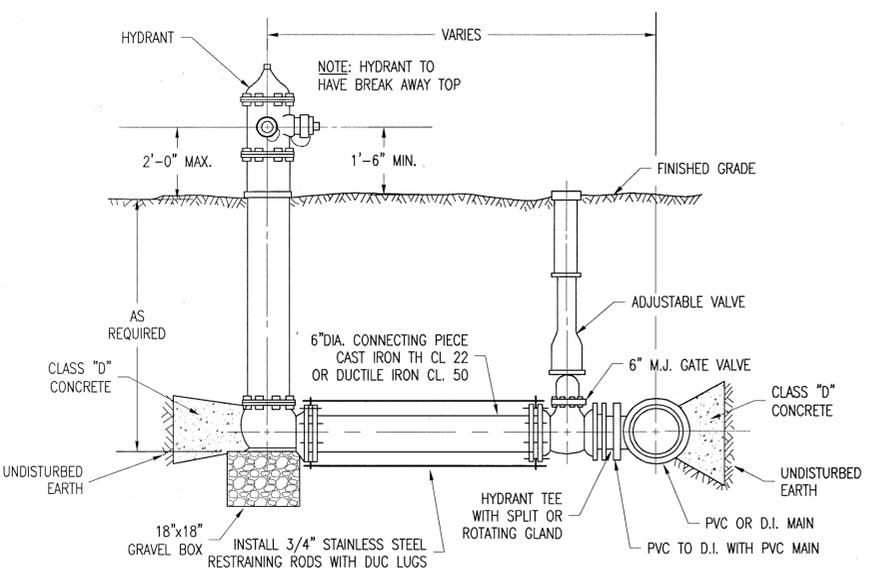
**6** **DETAIL: CONCRETE SIDEWALK**  
SP3.3 NOT TO SCALE

- NOTE:
1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, SHALL BE MADE OF PORTLAND CEMENT TYPE 1/II, AND SHALL HAVE A MAXIMUM COURSE AGGREGATE SIZE OF 3/4 INCHES. CONCRETE SAND SHALL CONFORM TO ASTM-C33-SAND.
  2. USE SCORING TOOL TO SCORE JOINTS 1/4 DEPTH OF THE CONCRETE AT 5' INTERVALS, WITH ROUNDED EDGES.
  3. EXPANSION JOINTS SHALL BE AT 20 FOOT INTERVALS AND AT EDGES OF DRIVEWAYS. THE JOINTS SHALL EXTEND THE FULL DEPTH OF THE SLAB AND SHALL BE MADE WITH PRE-MOLDED JOINT FILLER.
  4. CONCRETE SHALL BE CURED USING A MEMBRANE SEALANT AT A RATE OF 200 SQUARE FEET PER GALLON WHICH SHALL BE APPLIED IMMEDIATELY FOLLOWING THE BROOM FINISHING AFTER ALL FREE WATER DISAPPEARED FROM THE SURFACE.



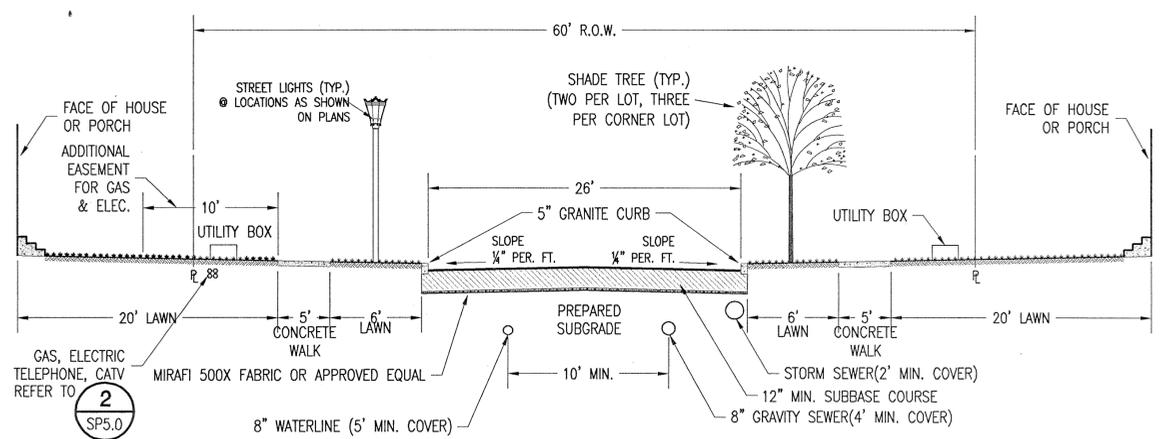
**\* NOTE**  
IF DISTANCE FROM WATER MAIN TO SEWER JOINT IS LESS THAN 5' MIN. THEN ALL SEWER JOINTS WITHIN 10' MUST BE ENCASED IN CONCRETE. (CONCRETE MUST BE INSTALLED TO THE NEXT BELL OR COLLAR BEYOND THE 5' MINIMUM.)

**4** **DETAIL: STORM & SANITARY SEWER CROSSING**  
SP3.3 NOT TO SCALE



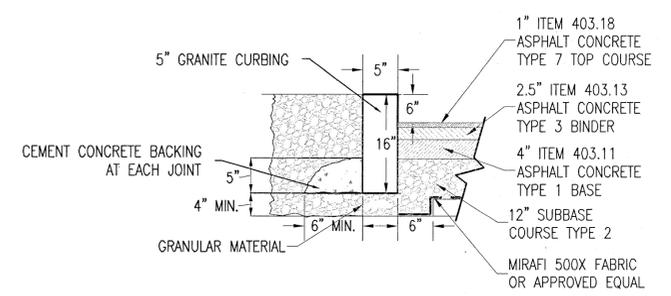
**2** **DETAIL: TYPICAL HYDRANT**  
SP3.3 NOT TO SCALE

NOTE:  
ALL UNDERGROUND MECHANICAL JOINT TYPE PIPE HARDWARE SHALL BE CONSTRUCTED OF CORROSION RESISTANT MATERIAL



**5** **DETAIL: TYPICAL ROAD SECTION**  
SP3.3 NOT TO SCALE

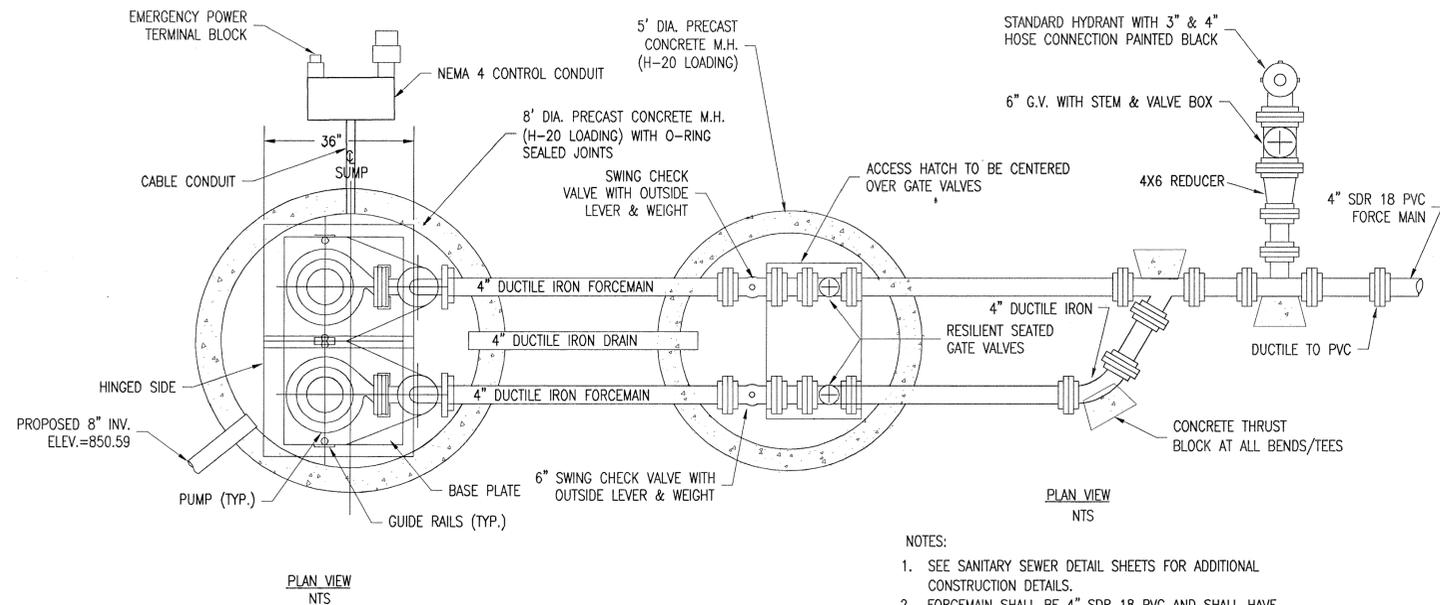
1. CROSS-SECTION OF PAVEMENT:  
SUBBASE COURSE: = 12" MIN. - ITEM 304.03 - SUBBASE COURSE-TYPE 2 GRANULAR MATERIAL CONSISTING ONLY OF CRUSHED LIMESTONE.  
SURFACE COURSE: 7.5" = 4" ITEM 403.11 - ASPHALT CONCRETE - TYPE 1 BASE  
2.5" ITEM 403.13 - ASPHALT CONCRETE - TYPE 3 BINDER.  
1" ITEM 403.18 - ASPHALT CONCRETE - TYPE 7 TOP.  
ITEM 407.0101 - TACK COAT BETWEEN BINDER & TOP COURSE.
2. DEVELOPER WILL BE RESPONSIBLE FOR THE APPROPRIATE TESTING OF MATERIALS USED IN THE CONSTRUCTION OF THE ROAD, SIDEWALK, AND UTILITIES. THE VILLAGE OF SKANEATELES AND THE VILLAGE ENGINEER WILL BE NOTIFIED OF ALL TEST RESULTS.



**7** **DETAIL: GRANITE CURB & PAVEMENT**  
SP3.3 NOT TO SCALE

NOTE:  
USE SCORING TOOL TO SCORE JOINTS TO REQUIRED DEPTH, WITH ROUNDED EDGES

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<p>VILLAGE OF SKANEATELES ONONDAGA CO., NY</p>		<p>NO. DATE REVISION BY</p> <p>1 08.25.04 AS PER SYR. WATER DEPT. JFE</p> <p>2 09.03.04 STORM AND SANITARY JFE</p> <p>3 10.01.04 AS PER VILLAGE ENGINEER JFE</p> <p>4 10.11.04 AS PER VILLAGE ENGINEER JFE</p> <p>5 10.13.04 RELEASED FOR CONSTRUCTION JFE</p> <p>6 10.20.11 AS-BUILTS RP/C</p>		
<p><b>PARKSIDE SUBDIVISION</b></p>		<p>SCALE: AS NOTED FILE NO.: 1079.001</p>		
<p><b>WATER, ROAD, AND SIDEWALK DETAILS</b></p>		<p>DESIGNED BY: GS DATE: 04.21.04</p> <p>DRAWN BY: NHZ/JFE DWG. NO.: SP3.3</p> <p>CHECKED BY: GS</p>		



**DESIGN NOTES:**

**1. FLOW**

A. GENERATION RATES  
 1. 50 SINGLE FAMILY HOMES  
 4 BDRM @ 110 GPD/BDRM = 440 GPD X 50 HOUSES = 22,000 GPD  
 DESIGN FOR 22,000 GALLONS PER DAY

B. PEAK FLOW RATES  
 22,000 GPD = 15.3 GPM AVG.  
 PEAK x 6 = 92 GPM PEAK

**2. HEAD**

A. STATIC  
 BOTTOM WETWELL = 843.7  
 EXISTING MANHOLE = 858.20  
 CHANGE IN ELEVATION = 14.5'

B. DYNAMIC  
 550' OF 4" PVC @ 92 GPM, PLUS FITTING LOSSES = 12 FT.

C. TOTAL HEAD = 27.61'

**3. WETWELL DESIGN**

A. STORAGE VOLUME BETWEEN OFF AND LEAD PUMP ON = 30 MIN. x AVG. DAILY FLOW = 500 GAL. = 1.3' DEPTH IN 8" DIAMETER STRUCTURE.

B. STORAGE BETWEEN LEAD PUMP ON AND LAG PUMP ON = 5 MIN. @ PEAK FLOW = 500 GAL. = 1.3' DEPTH.

C. STORAGE BETWEEN LAG PUMP ON AND INVERT OF GRAVITY INLET = 1 HOUR @ AVG. DAILY FLOW = 920 GAL. = 2.4' DEPTH

**NOTES:**

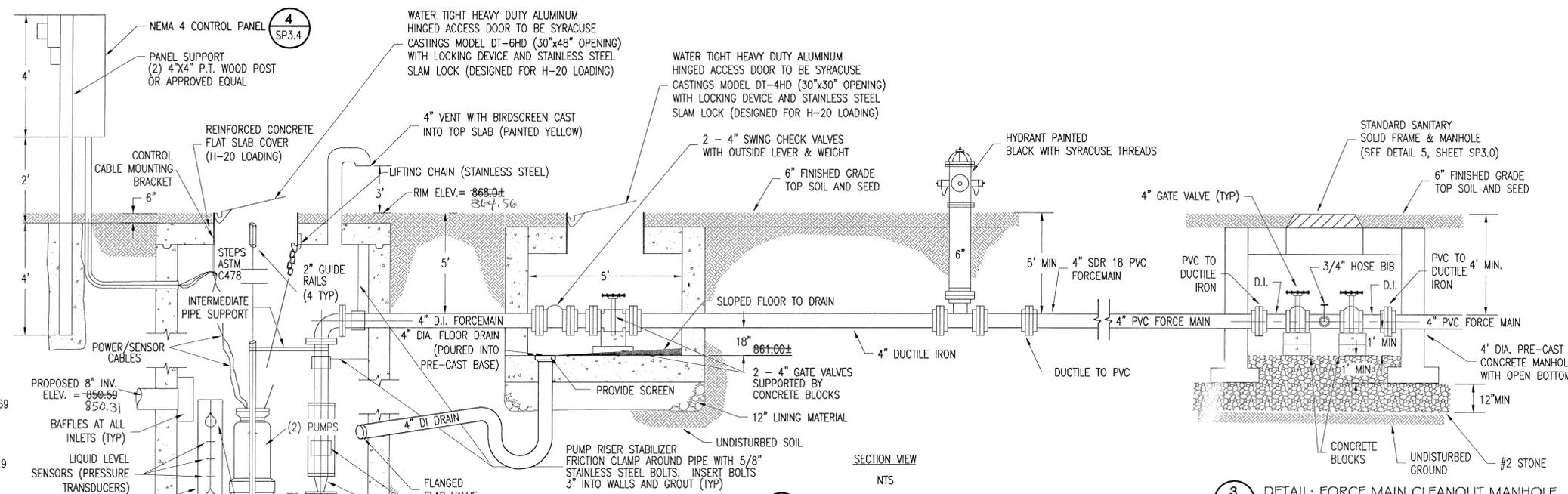
- SEE SANITARY SEWER DETAIL SHEETS FOR ADDITIONAL CONSTRUCTION DETAILS.
- FORCEMAIN SHALL BE 4" SDR 18 PVC AND SHALL HAVE A MINIMUM OF 5' COVER OVER THE TOP OF THE PIPE.
- FORCE MAIN SHALL BE LAID AT A CONTINUOUS GRADE TO AVOID THE FORMATION OF AIR POCKETS.

**PUMP STATION NOTES:**

- CONTRACTOR TO PROVIDE ALL REQUIRED TESTING, PROGRAMMING, AND STARTUP SERVICES REQUIRED BY VILLAGE OF SKANEATELES, BOTH AT THE SITE AND THE TREATMENT PLANT
- CONTRACTOR WILL SUBMIT COPIES OF PUMP, HARDWARE, ELECTRICAL & SCADA SHOP DRAWINGS TO ENGINEER.
- ALL PENETRATIONS TO THE PUMP STATION AND VALVE PIT SHALL BE WITH WALL SLEEVES WITH MODULAR LINK SEALS.
- CONSTRUCT BOLLARDS AROUND PUMP STATION AS DIRECTED ON THE FIELD.
- ACCESS COVER ON PUMP STATION ABLE TO SUPPORT 2000 PSI WITH A MINIMUM INSIDE CLEAR OPENING OF 36" AND POSITIVE LOCK AT 90 DEGREES.
- CONTRACTOR/SUPPLIER TO PROVIDE ONE DAY OF TRAINING FOR VILLAGE OF SKANEATELES.

**SPECIFICATIONS - SEWERAGE SYSTEM:**

- SEWER MAINS SHALL BE EIGHT (8) INCH DIAMETER POLYVINYL CHLORIDE SEWER PIPE, SDR 35, MEETING THE REQUIREMENTS OF ASTM D3034, WITH RUBBER GASKETED JOINTS.
- BRANCH SEWERS SHALL BE EIGHT (8) INCH DIAMETER POLYVINYL CHLORIDE SEWER PIPE, SDR 35, MEETING THE REQUIREMENTS OF ASTM D3034, WITH RUBBER GASKETED JOINTS.
- SANITARY SEWER FORCE MAIN SHALL BE FOUR (4) INCH DIAMETER POLYVINYL CHLORIDE PRESSURE PIPE MEETING THE REQUIREMENTS OF AWWA C900 AND SHALL BE FURNISHED IN CAST-IRON PIPE EQUIVALENT OUTSIDE DIAMETERS WITH RUBBER GASKETED JOINTS AS LISTED IN C900. AN EMERGENCY CONNECTION SHALL BE INSTALLED AS SHOWN OUTSIDE THE PUMPING STATION.
- WYE BRANCHES SHALL BE INSTALLED AT THE JUNCTIONS OF ALL SANITARY LATERALS WITH THE SEWER MAIN AND SHALL BE LAID IN CONCRETE CRADLES.
- SEWAGE PUMPS SHALL BE PART OF A DUPLEX PACKAGED LOW PRESSURE SEWAGE PUMPING SYSTEM FURNISHED AND INSTALLED BY THE CONTRACTOR.
- PUMPING STATION SHALL CONSIST OF THREE (3) SEWAGE SUBMERSIBLE PUMPS (INCLUDES ONE SPARE), FOUR SEALED MERCURY LEVEL CONTROL SWITCHES (THREE FOR PUMP CONTROL AND ONE FOR ALARM), DISCHARGE PLUMBING WITH HYDRAULICALLY SEALED DISCONNECT FLANGES, PUMP CARRIER ASSEMBLIES, GUIDE RAILS, LIFTING CHAINS AND CONTROL EQUIPMENT TO BE INSTALLED IN A PRECAST CONCRETE SUMP. A NEMA 4X WEATHERPROOF CONTROL BOX WITH CONTROLS, ALARM LIGHT AND VENTED PEDESTAL SHALL BE SUPPLIED AND MOUNTED ON THE SUMP COVER.
- PUMPS TO BE ITT FLYGHT (OR APPROVED EQUAL) EFFLUENT PUMPS CAPABLE OF PRODUCING 95 GPM @ 30' OF TOTAL DYNAMIC HEAD, WITH A 208V 3 PHASE POWER SOURCE. A 5 YEAR MANUFACTURE WARRANTY SHALL BE PROVIDED.
- PUMPING SYSTEM SHALL INCLUDE A HYDROMATIC MODEL "Q" HEATED CONTROL PANEL AND WIRELESS ALARM BY SYRACUSE TIME AND ALARM (MODEL# DGM-8-RF-FTA) FOR INCOMING POWER OF 120/208 VOLTS, THREE PHASE AND 60 HERTZ SERVICE; WITH ALARM LIGHT, HIGH WATER LOCAL ALARM ACTIVATION, HIGH WATER AND POWER FAILURE ALARM ACTIVATION, MAIN CIRCUIT BREAKER DISCONNECT, ELAPSED TIME METERS, AND CONVENIENCE OUTLET. SYSTEM OPERATION SHALL BE AS FOLLOWS; UPON SEWAGE LEVEL RISE IN THE SUMP, THE MIDDLE HEIGHT PUMP CONTROL SWITCH TURNS THE LEAD PUMP ON; UPON CONTINUED SEWAGE LEVEL RISE, THE TOP PUMP CONTROL SWITCH TURNS BOTH PUMPS ON; UPON SEWAGE LEVEL DROP, THE BOTTOM PUMP CONTROL SWITCH TURNS BOTH PUMPS OFF; AN ELECTRIC ALTERNATOR ALTERNATES THE LEAD PUMP; UPON HIGH SEWAGE LEVEL, THE ALARM CONTROL SWITCH ACTIVATES THE ALARM LIGHT ON THE EXTERIOR OF THE CONTROL PANEL ABOVE THE SUMP AND THE WIRELESS ALARM SYSTEM. THE LEVEL CONTROLS SHALL BE SET AT THE HEIGHTS SHOWN ON THE DRAWING.
- SUMP ANCHOR SLAB AND WYE BRANCH CRADLES SHALL BE CLASS A CONCRETE; MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE THREE (3) INCHES.
- MANHOLES AND PUMPING STATION SUMP SHALL BE PRECAST CONCRETE SECTIONS AND SLABS CONSTRUCTED IN ACCORDANCE WITH ASTM C-478. WITH A MINIMUM WALL THICKNESS OF FIVE (5) INCHES AND WITH JOINTS HAVING AN "O" RING SEAL. BASE SECTIONS SHALL HAVE REINFORCED FLAT BOTTOMS PROTRUDING SIX (6) INCHES BEYOND THE OUTSIDE FACE OF THE WALL. BASE SECTIONS UP TO AND INCLUDING 48 INCH DIAMETERS SHALL HAVE A MINIMUM WALL THICKNESS OF FIVE (5) INCHES AND THOSE OF LARGER DIAMETER SHALL HAVE A MINIMUM WALL THICKNESS OF SIX (6) INCHES. EACH OPENING IN THE BASE SECTION SHALL CONTAIN A FLEXIBLE RUBBER CONNECTION INSTALLED BY THE MANUFACTURER OF THE BASE SECTION. FLEXIBLE RUBBER CONNECTORS SHALL BE KOR-N-SEAL, LOCK JOINT FLEXIBLE MANHOLE SLEEVES, OR EQUAL TOP SECTIONS. TAPERED OR FLAT, SHALL BE ADEQUATE TO WITHSTAND H-20 WHEEL LOADS. MANHOLE FRAMES AND COVERS SHALL CONFORM WITH ASTM A-48, CLASS 30, AND SHALL BE CASTING NO. 1255-B BY SYRACUSE CASTINGS, CASTING NO. R-1780 BY NEENAH CASTINGS, OR EQUAL.
- AFTER LAYING AND JOINING, THE SEWER MAINS, BUILDING SEWERS, FITTINGS AND MANHOLES SHALL BE AIR TESTED FOR LEAKAGE BY AS REQUIRED BY THE VILLAGE ENGINEERS.
- GENERATOR TO BE CUMMINS NATURAL GAS 20KW, 25KVA STANDBY GENERATOR MODEL GGDB 60HZ WITH STANDARD 2-WIRE REMOTE CONTROL SYSTEM WITH AUTOMATIC REMOTE STARTING AND STOPPING, AND FAULT PROTECTION FEATURES WHICH INCLUDE HIGH TEMPERATURE SHUT DOWN, LOW OIL PRESSURE SHUTDOWN, OVERCRANK SHUTDOWN, OVERSPEED SHUTDOWN, RUNNING TIME METER, AND FIELD CIRCUIT BREAKER.

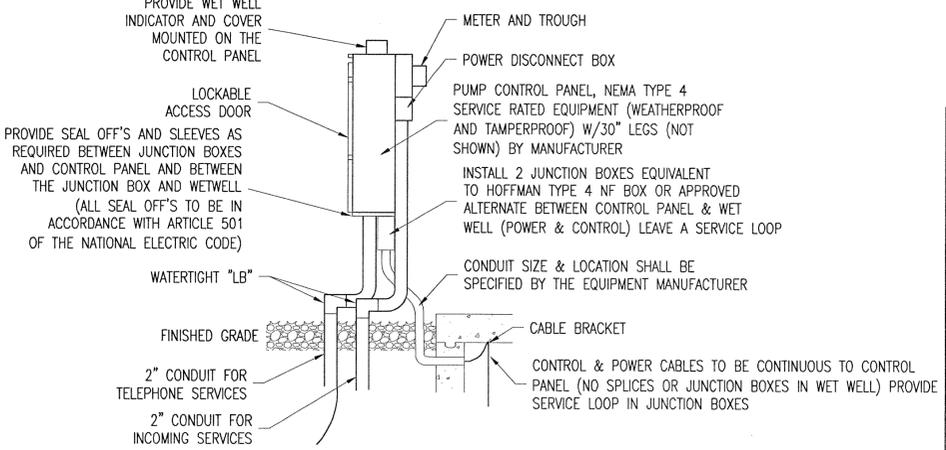


**LEVEL SETTINGS**

ALARM FLOAT - 848.69  
 LAG ON - 848.19  
 LEAD ON - 846.89  
 OFF - 845.59  
 REDUNDANT - 845.29  
 OFF FLOAT

**2** DETAIL: VALVE PIT & BY-PASS HYDRANT  
 SP3.4 NOT TO SCALE

**3** DETAIL: FORCE MAIN CLEANOUT MANHOLE  
 SP3.4 NOT TO SCALE



**4** DETAIL: CONTROL PANEL & SERVICE LATERAL  
 SP3.4 NOT TO SCALE

**1** DETAIL: DUPLEX PUMP STATION  
 SP3.4 NOT TO SCALE

**DUNN AND SGROMO ENGINEERS**  
 E. SYRACUSE, NEW YORK  
 5800 HERITAGE LANDING DRIVE (315)449-4940 (315)449-4941 FAX

SEAL

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NO.	DATE	REVISION	BY
1	08.25.04	AS PER SYR. WATER DEPT.	JFE
2	09.03.04	STORM AND SANITARY	JFE
3	10.01.04	AS PER VILLAGE ENGINEER	JFE
4	10.11.04	AS PER VILLAGE ENGINEER	JFE
5	10.13.04	RELEASED FOR CONSTRUCTION	JFE
6	01.31.05	REVISED PUMP STATION DETAIL	SAL

VILLAGE OF SKANEATELES  
 ONONDAGA CO., NY

**PARKSIDE SUBDIVISION**

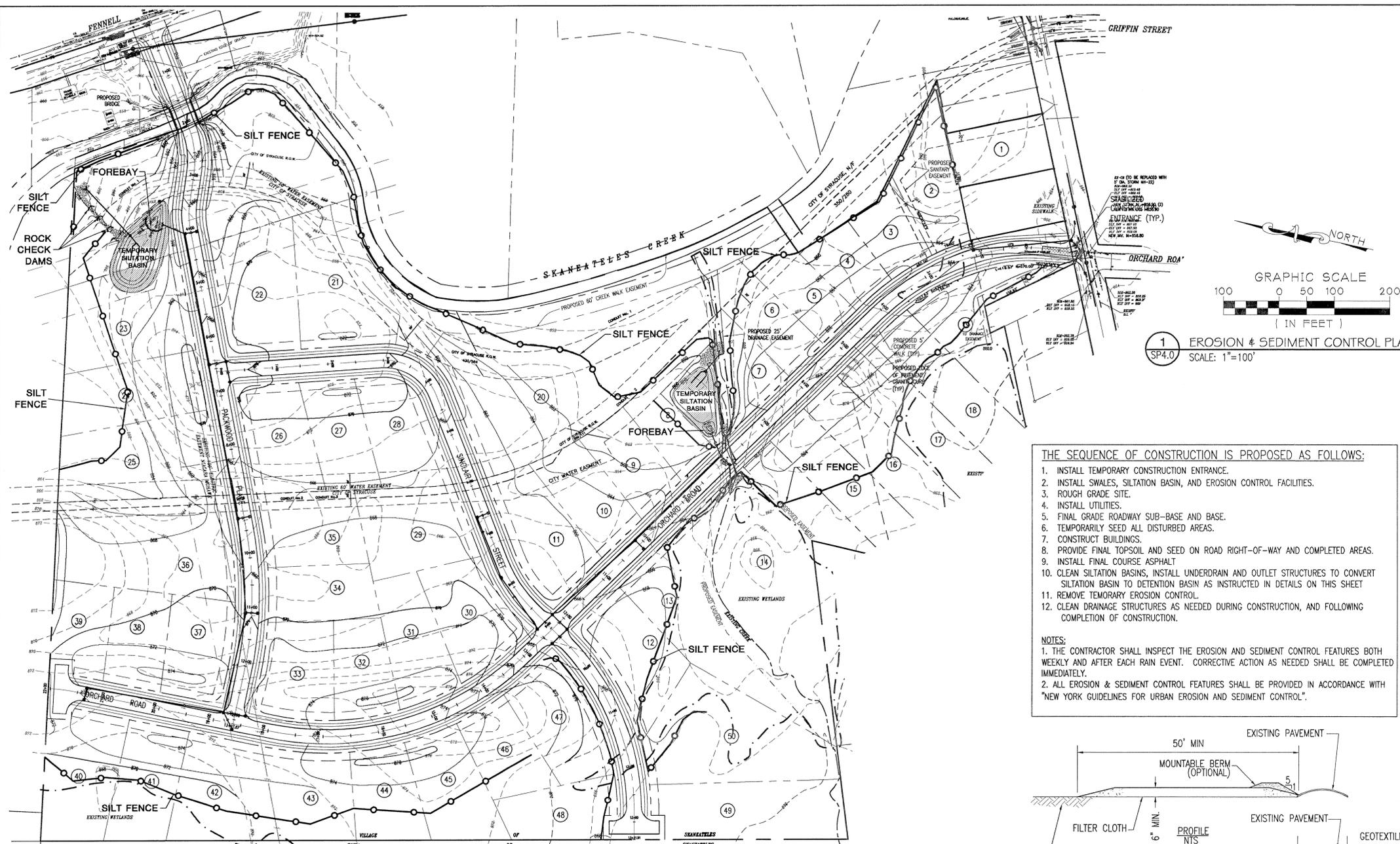
SCALE: AS NOTED FILE NO.: 1079.001

DESIGNED BY: GS DATE: 04.21.04

DRAWN BY: NHZ/JFE DWG. NO. SP34

CHECKED BY: GS

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**EROSION AND SEDIMENT CONTROL NOTES:**

- PRIOR TO THE START OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS ARE RE-VEGETATED, ALL EROSION AND SEDIMENT CONTROL MEASURES, AS SHOWN ON THE SITE PLAN, SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR, AND SHALL BE CERTIFIED (IN WRITING) BY THE DEVELOPERS ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL APPROVE PROPOSALS FOR EROSION AND SEDIMENT CONTROL PRIOR TO INSTALLATION.
- BARE SOILS SHALL BE SEEDED WITHIN 14 DAYS OF EXPOSURE, UNLESS CONSTRUCTION WILL BEGIN WITHIN 21 DAYS, AS SECTIONS ARE COMPLETED, OR IF CONSTRUCTION ON AN AREA IS SUSPENDED, THE AREA SHALL BE SEEDED IMMEDIATELY.
- SITE PREPARATION SHALL INCLUDE:
  - SEEDBED PREPARATION - SCARIFY IF COMPACTED, REMOVE DEBRIS AND OBSTACLES SUCH AS ROOTS OR STUMPS.
  - SOIL AMENDMENTS
    - LIME TO pH 6.0
    - FERTILIZE WITH 600 LBS OF 5-10-10 OR EQUIVALENT PER ACRE (14 LBS/100 SQ FT).
  - SEED MIXTURES
    - TEMPORARY SEEDINGS
      - RYEGRASS (ANNUAL OR PERENNIAL) @ 30 LBS/ACRE (0.7 LBS/1000 SQ FT).
      - CERTIFIED "AROSTOCK" WINTER RYE (CEREAL RYE) @ 100 LBS/ACRE (2.5 LBS/1000 SQ FT).
    - PERMANENT SEEDINGS
      - ROUGH OR OCCASIONALLY MOWED AREAS:
 

	LBS/ACRE	LBS/1000 SQ FT
EMPIRE BIRDSFOOT	8	0.20
TREFOIL OR COMMON WHITE CLOVER PLUS*	8	0.20
TALL FESCUE PLUS	20	0.45
REDDTOP	2	0.05
RYEGRASS (PERENNIAL)	5	0.10

**THE SEQUENCE OF CONSTRUCTION IS PROPOSED AS FOLLOWS:**

- INSTALL TEMPORARY CONSTRUCTION ENTRANCE.
- INSTALL SWALES, SILTATION BASIN, AND EROSION CONTROL FACILITIES.
- ROUGH GRADE SITE.
- INSTALL UTILITIES.
- FINAL GRADE ROADWAY SUB-BASE AND BASE.
- TEMPORARILY SEED ALL DISTURBED AREAS.
- CONSTRUCT BUILDINGS.
- PROVIDE FINAL TOPSOIL AND SEED ON ROAD RIGHT-OF-WAY AND COMPLETED AREAS.
- INSTALL FINAL COURSE ASPHALT
- CLEAN SILTATION BASINS, INSTALL UNDERDRAIN AND OUTLET STRUCTURES TO CONVERT SILTATION BASIN TO DETENTION BASIN AS INSTRUCTED IN DETAILS ON THIS SHEET
- REMOVE TEMPORARY EROSION CONTROL.
- CLEAN DRAINAGE STRUCTURES AS NEEDED DURING CONSTRUCTION, AND FOLLOWING COMPLETION OF CONSTRUCTION.

**NOTES:**

- THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROL FEATURES BOTH WEEKLY AND AFTER EACH RAIN EVENT. CORRECTIVE ACTION AS NEEDED SHALL BE COMPLETED IMMEDIATELY.
- ALL EROSION & SEDIMENT CONTROL FEATURES SHALL BE PROVIDED IN ACCORDANCE WITH "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".

**SEED MIXTURES**

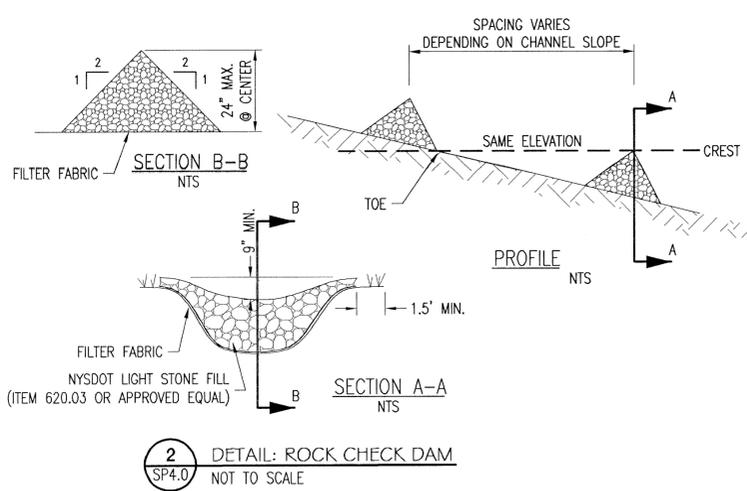
	LBS/ACRE	LBS/1000 SQ FT
EMPIRE BIRDSFOOT	8	0.20
TREFOIL OR COMMON WHITE CLOVER PLUS*	8	0.20
TALL FESCUE PLUS	20	0.45
REDDTOP	2	0.05
RYEGRASS (PERENNIAL)	5	0.10

\*ADD INOCULATE IMMEDIATELY PRIOR TO SEEDING

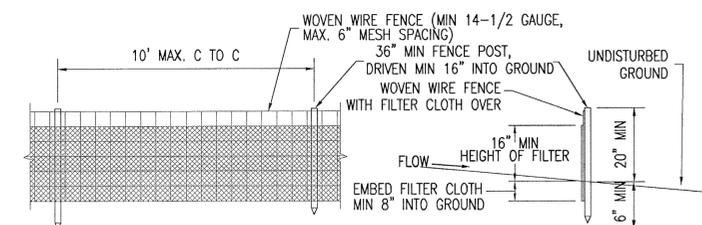
**D. METHOD OF SEEDING BROADCASTING, DRILLING WITH CULTPACK TYPE SEEDER OR HYDROSEEDING ARE ACCEPTABLE.**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE STREET PAVEMENT AREAS CLEAN OF DIRT AND DEBRIS.
- ACCESS TO DISTURBED AREAS SHALL BE LIMITED TO THE AREAS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE AT EACH ACCESS POINT.
- ALL SPECIFICATIONS AND DETAILS FOR EROSION AND SEDIMENT CONTROL HAVE BEEN DESIGNED BY DUNN AND SGROMO ENGINEERS IN ACCORDANCE WITH THE OCTOBER 1997 "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL", SOIL CONSERVATION SERVICE, USDA.
- RIP-RAP SHALL BE UNIFORMLY HARD, DURABLE, ANGULAR FIELD OR QUARRIED LIMESTONE WITH A MINIMUM DENSITY OF 150LBS/CF. THE RATIO OF THE MINIMUM DIMENSION TO THE MAXIMUM DIMENSION OF EACH PIECE SHALL BE AT LEAST 0.6. RIP-RAP SHALL BE COMPOSED OF A WELL GRADED MIXTURE OF PRIMARILY LARGE STONE SIZES WITH A SUFFICIENT MIXTURE OF SMALLER SIZES TO FILL VOIDS. RIP-RAP SHALL CONFORM TO THE FOLLOWING SIZES:

MAXIMUM DIMENSION OF STONE	PERCENT OF MIX BY WEIGHT
18-24"	20
12-18"	50
8-12"	20
4-8"	10



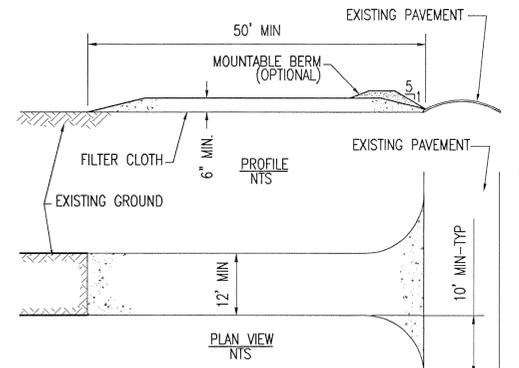
**2** SP4.0  
DETAIL: ROCK CHECK DAM  
NOT TO SCALE



**3** SP4.0  
DETAIL: SILT FENCE  
NOT TO SCALE

**NOTES:**

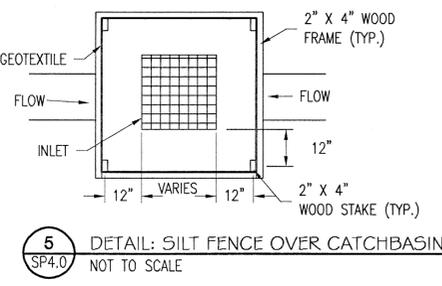
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- THE FOLLOWING MATERIALS SHALL BE USED FOR CONSTRUCTION OF THE SILT FENCE:  
POSTS: STEEL EITHER "I" OR "U" TYPE OR 2" HARDWOOD  
FENCE: WOVEN WIRE 14-1/2 GA., 6" MAX. MESH OPENING  
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILUNKA T140N OR APPROVED EQUAL  
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL



**4** SP4.0  
DETAIL: STABILIZED CONSTRUCTION ENTRANCE  
NOT TO SCALE

**NOTES:**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.  
TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



**5** SP4.0  
DETAIL: SILT FENCE OVER CATCHBASIN  
NOT TO SCALE

**LEGEND**

EXISTING	PROPOSED
CONTOUR	CONTOUR
SPOT ELEVATION	SPOT ELEVATION
PROPERTY LINE	PROPERTY LINE
WETLAND	WETLAND
SANITARY MANHOLE	SANITARY MANHOLE
SANITARY LINE	SANITARY LINE
STORM LINE	STORM LINE
END SECTION	END SECTION
CATCH BASIN	CATCH BASIN
POWERLINE	POWERLINE
GAS LINE	GAS LINE
LOT NUMBERS	LOT NUMBERS
CONSTRUCTION ENTRANCE	CONSTRUCTION ENTRANCE
SILT FENCE	SILT FENCE

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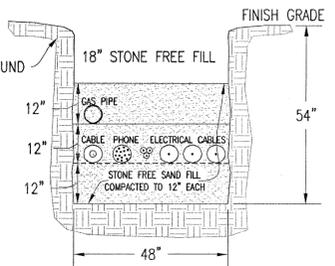
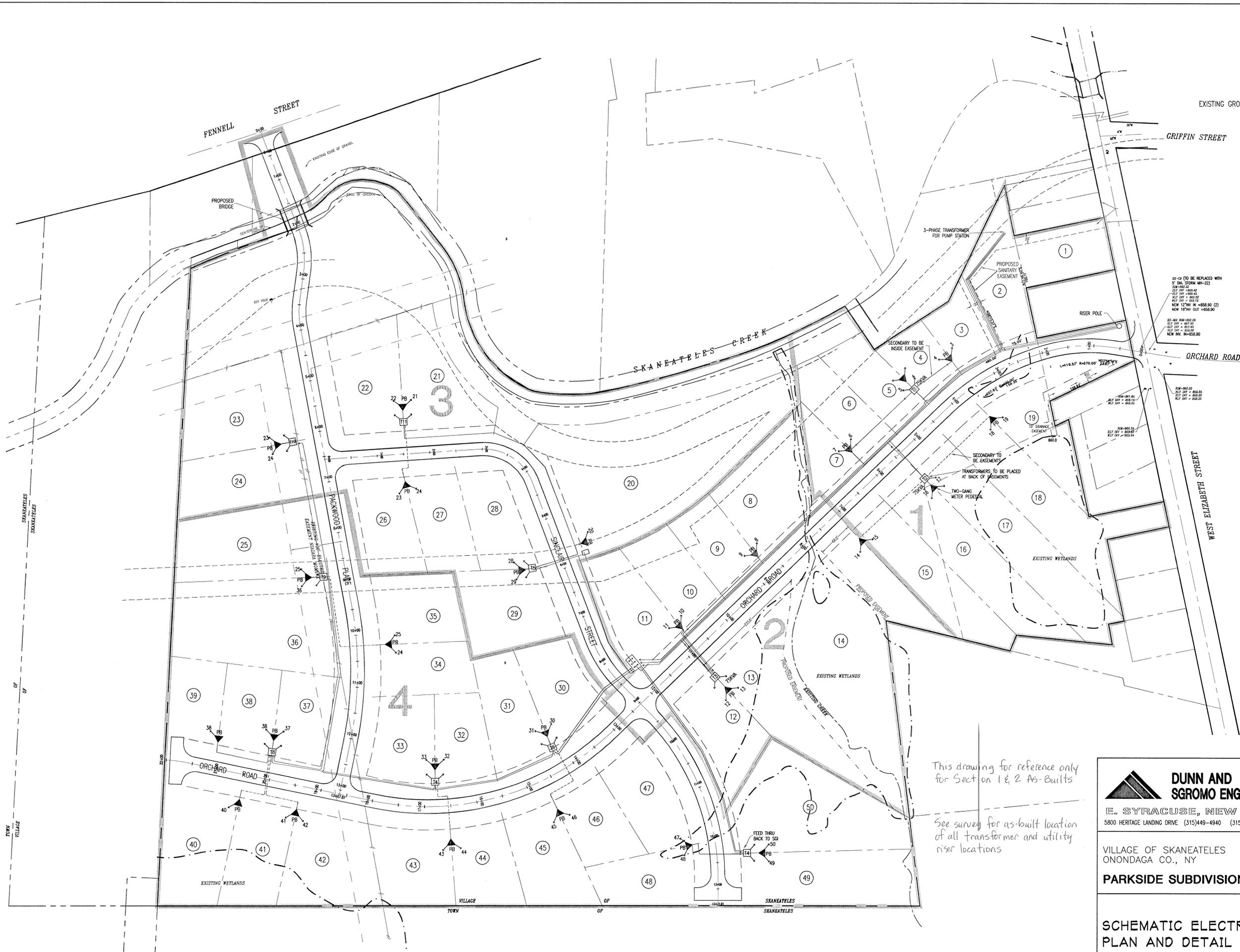
NO.	DATE	REVISION	BY
1	08.25.04	AS PER SYR. WATER DEPT.	JFE
2	09.03.04	STORM AND SANITARY	JFE
3	10.01.04	AS PER VILLAGE ENGINEER	JFE
4	10.11.04	AS PER VILLAGE ENGINEER	JFE
5	10.13.04	RELEASED FOR CONSTRUCTION	JFE
6	07.20.11	AS-BUILTS	REG

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DESIGNED BY: GS DATE: 04.21.04

DRAWN BY: NHZ, JFE DWG. NO. SP4.0

CHECKED BY: GS



2 TYPICAL JOINT TRENCH  
SP5.0 NOT TO SCALE

NOTE:  
THIS IS A COORDINATION PLAN ONLY,  
FINAL DESIGN OF ALL UTILITIES SHOWN  
SHALL BE THE RESPONSIBILITY OF THE  
RESPECTIVE UTILITY COMPANY

EX-CO (TO BE REPLACED WITH  
5" DIA. STORM MH-22)  
ROW-REG.20  
NEW 12" IN. = 858.50  
NEW 18" IN. = 858.50 (2)  
NEW 18" IN. = 858.50

EX-NW REG.20  
NEW 12" IN. = 857.50  
NEW 12" IN. = 858.50  
NEW 12" IN. = 858.50  
NEW 18" IN. = 858.50

ROW-REG.20  
NEW 12" IN. = 858.50  
NEW 12" IN. = 858.50  
NEW 12" IN. = 858.50  
NEW 18" IN. = 858.50



1 ELECTRICAL PLAN  
SP5.0 SCALE: 1"=80'

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE	---	---
WETLAND	---	---
POWERLINE	---	---
LOT NUMBERS		(47)

This drawing for reference only  
for Section 1 & 2 As-Built

See survey for as-built location  
of all transformer and utility  
riser locations

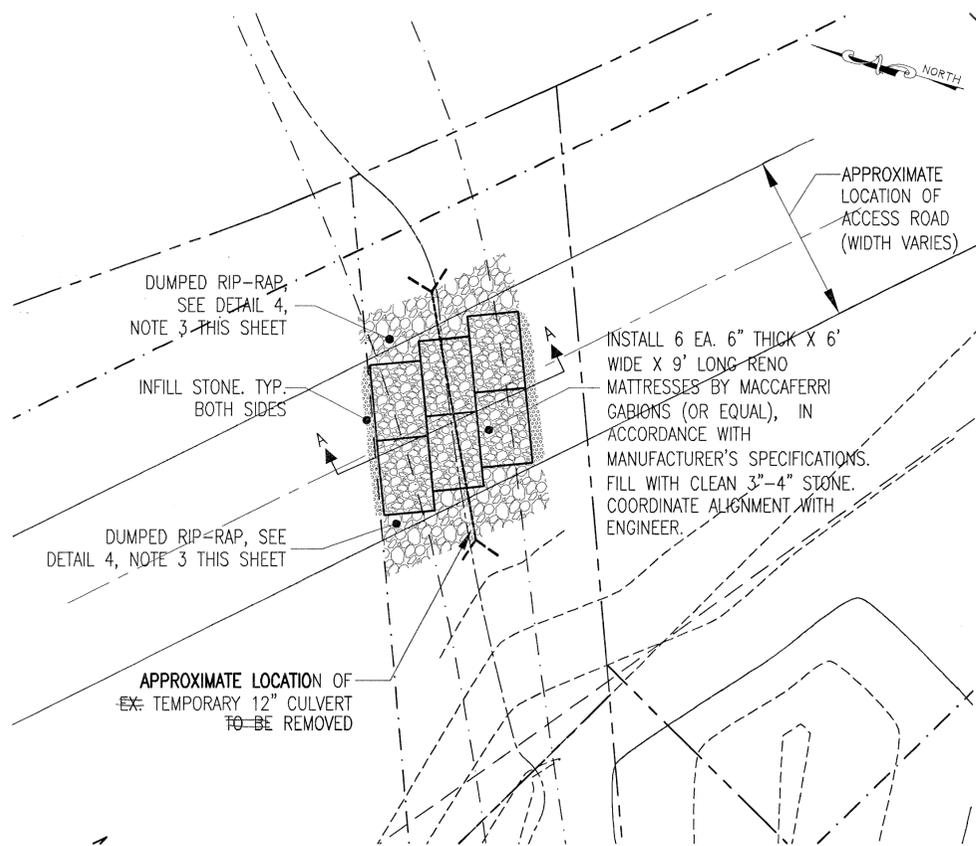
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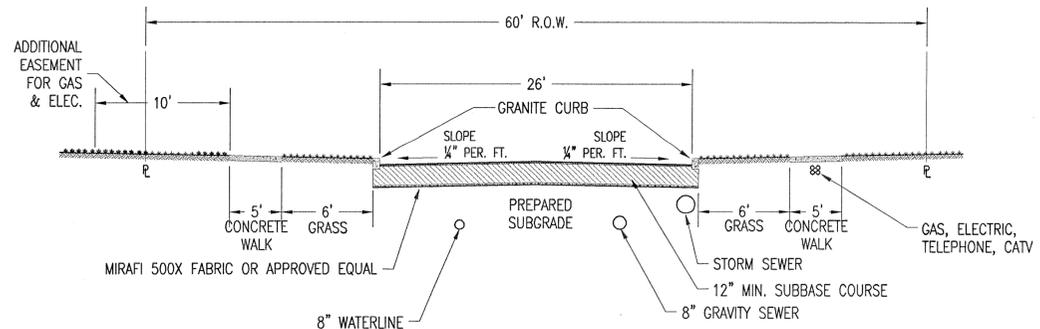
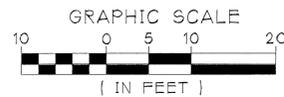
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5	10.13.04	RELEASED FOR CONSTRUCTION	JFE
6	07.20.11	AS-BUILTS	RPG

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DESIGNED BY: GS DATE: 04.21.04  
DRAWN BY: NHZ DWG. NO.:  
CHECKED BY: GS **SP5.0**



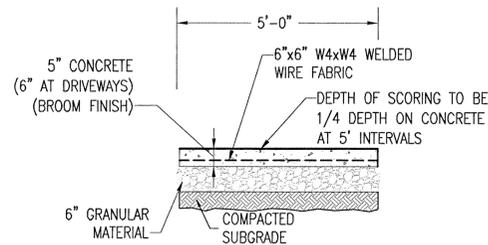


**1** ACCESS ROAD CULVERT PLAN  
C1.1 SCALE: 1" = 10'



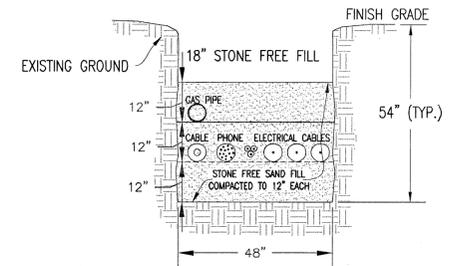
**2** DETAIL: TYPICAL ROAD SECTION  
C1.1 NOT TO SCALE

- CROSS-SECTION OF PAVEMENT:  
SUBBASE COURSE: = 12" MIN. - ITEM 304.03 - SUBBASE COURSE-TYPE 2 GRANULAR MATERIAL CONSISTING ONLY OF CRUSHED LIMESTONE.  
SURFACE COURSE: 7.5" = 4" ITEM 403.11 - ASPHALT CONCRETE - TYPE 1 BASE  
2.5" ITEM 403.13 - ASPHALT CONCRETE - TYPE 3 BINDER.  
1" ITEM 403.18 - ASPHALT CONCRETE - TYPE 7 TOP.  
ITEM 407.0101 - TACK COAT BETWEEN BINDER & TOP COURSE.
- DEVELOPER WILL BE RESPONSIBLE FOR THE APPROPRIATE TESTING OF MATERIALS USED IN THE CONSTRUCTION OF THE ROAD, SIDEWALK, AND UTILITIES. THE VILLAGE OF SKANEATELES AND THE VILLAGE ENGINEER WILL BE NOTIFIED OF ALL TEST RESULTS.



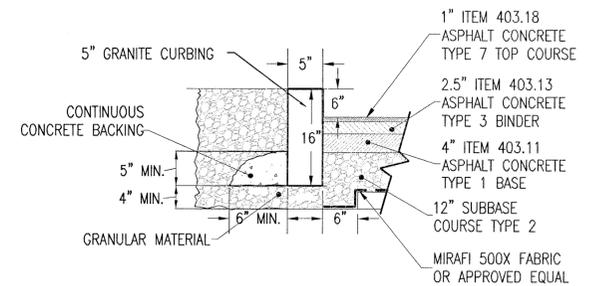
**5** DETAIL: CONCRETE SIDEWALK  
C1.1 NOT TO SCALE

- NOTES:
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, SHALL BE MADE OF PORTLAND CEMENT TYPE I/II, AND SHALL HAVE A MAXIMUM COURSE AGGREGATE SIZE OF 3/4 INCHES. CONCRETE SAND SHALL CONFORM TO ASTM-C33-SAND.
  - USE SCORING TOOL TO SCORE JOINTS 1/4 DEPTH OF THE CONCRETE AT 5' INTERVALS, WITH ROUNDED EDGES.
  - EXPANSION JOINTS SHALL BE AT 20 FOOT INTERVALS AND AT EDGES OF DRIVEWAYS. THE JOINTS SHALL EXTEND THE FULL DEPTH OF THE SLAB AND SHALL BE MADE WITH PRE-MOLDED JOINT FILLER.
  - CONCRETE SHALL BE CURED USING A MEMBRANE SEALANT AT A RATE OF 200 SQUARE FEET PER GALLON WHICH SHALL BE APPLIED IMMEDIATELY FOLLOWING THE BROOM FINISHING AFTER ALL FREE WATER DISAPPEARED FROM THE SURFACE.

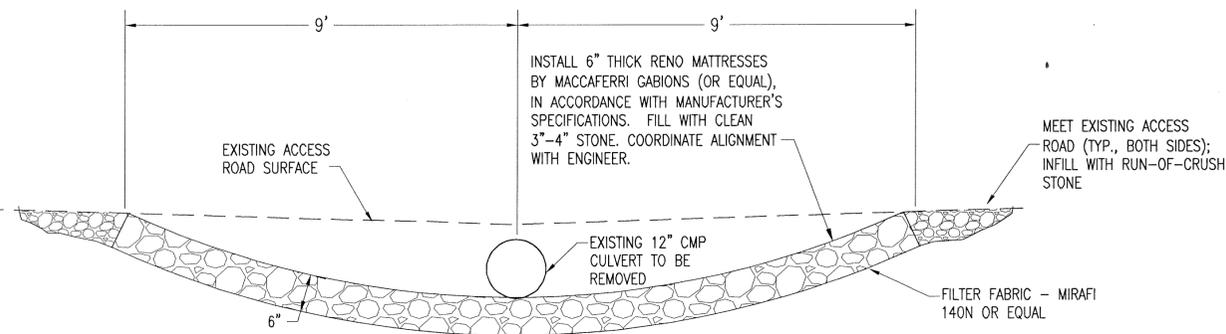


**3** TYPICAL JOINT TRENCH  
C1.1 NOT TO SCALE

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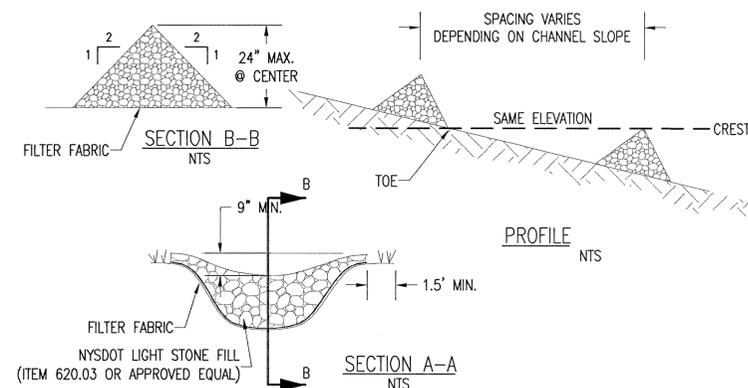


**6** DETAIL: GRANITE CURB & PAVEMENT  
C1.1 NOT TO SCALE



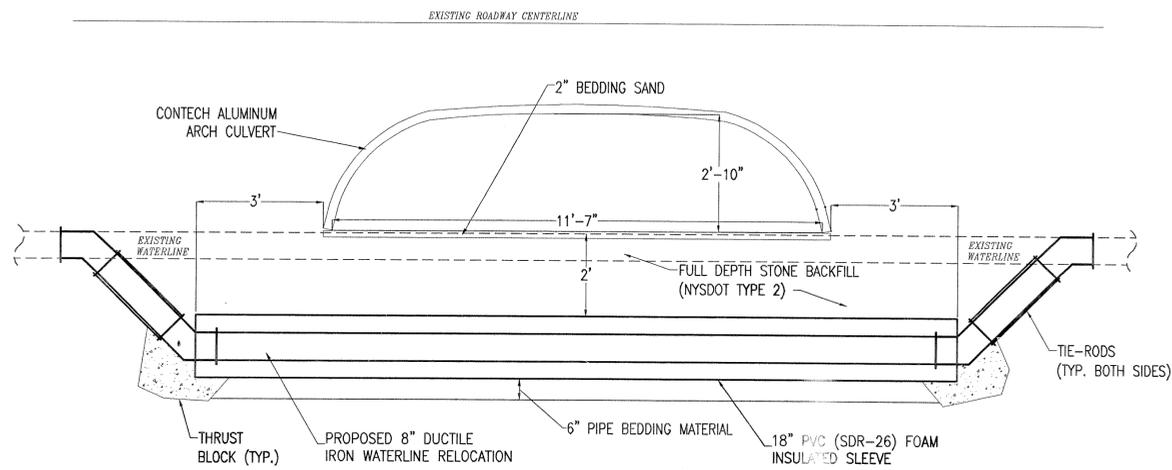
**4** ACCESS ROAD CULVERT REMOVAL DETAIL, SECTION A-A  
C1.1 NOT TO SCALE

- NOTES:
- CONTRACTOR SHALL PUMP CREEK AROUND WORK AREA. BYPASS WATER SHALL BE PUMPED INTO A DIRT BAG (OR EQUAL) PRIOR TO DISCHARGE DOWNSTREAM OF WORK AREA.
  - CONTRACTOR SHALL NOT ALLOW SEDIMENT TO ENTER CREEK. REMOVE ALL EXCAVATED MATERIAL FROM AREA AND RESTORE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING PLACEMENT OF STONE SWALE. STABILIZE CREEK 5' EACH SIDE OF ROAD WITH DUMPED RIP-RAP.
  - REMOVE EX. 12" CMP CULVERT. SHAPE SWALE FOR THE FULL WIDTH OF THE ACCESS ROAD (12') TO EXISTING GRADE AT A POINT 10 FEET EACH SIDE OF CENTERLINE OF CULVERT AND OVER-EXCAVATE TO A DEPTH OF 6 INCHES. INSTALL STONE-FILLED GABION BASKETS THE FULL WIDTH OF ACCESS ROAD AND FULL LENGTH OF EXCAVATION. STABILIZE STREAM 5' EACH SIDE WITH DUMPED RIP-RAP.



**7** DETAIL: ROCK CHECK DAM  
C1.1 NOT TO SCALE

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<p>VILLAGE OF SKANEATELES ONONDAGA CO., NY</p> <p><b>PARKSIDE VILLAGE</b></p>		<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION</th> <th>BY</th> </tr> <tr> <td>1</td> <td>1-4-12</td> <td>As-Built</td> <td>EM</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION	BY	1	1-4-12	As-Built	EM									<table border="1"> <tr> <td>SCALE: AS NOTED</td> <td>FILE NO.: 1079.001</td> </tr> <tr> <td>DESIGNED BY: RM</td> <td>DATE: 04.18.07</td> </tr> <tr> <td>DRAWN BY: NHZ</td> <td>DWG. NO. C1.1</td> </tr> <tr> <td>CHECKED BY: GS</td> <td> </td> </tr> </table>	SCALE: AS NOTED	FILE NO.: 1079.001	DESIGNED BY: RM	DATE: 04.18.07	DRAWN BY: NHZ	DWG. NO. C1.1	CHECKED BY: GS	
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CULVERT REPLACEMENT DETAILS																											



1 WATERLINE CROSS SECTION  
SCALE: 1"=2'

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VILLAGE OF SKANEATELES ONONDAGA CO., NY <b>PARKSIDE VILLAGE</b>	NO.	DATE	REVISION	BY
	1	08.28.07	INSULATION	PMC
	2	07.20.11	AS-BUILTS	RPG
<b>WATERLINE RELOCATION</b>	SCALE:	AS NOTED	FILE NO.:	1079.001
	DESIGNED BY:		DATE:	08.22.07
	DRAWN BY:		DWG. NO.:	WR-1
	CHECKED BY:			

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