

(A) Compacted Granular Backfill, Item 912

STRUCTURE NUMBER	PONDING REQUIRED	PONDING PROVIDED	STORAGE ELEVATION
2 & 3	2592*	1678	783.7
4	804	1031	782.0
5	888	1094	784.4
6	912	946	784.4
7	264	551	784.7
8	780	564	784.7
SUBTOTAL	3648	4188	
TOTALS	6240 C.F.	5864 C.F.	

NOTE: Shaded areas represent limits of ponding.  
\* Includes as detention for offsite.

ESTIMATE OF QUANTITIES			
ITEM	QUANTITY	UNIT	DESCRIPTION
202	2	Ea.	Remove & Dispose of Existing Catch Basin
202	138	L.F.	Remove & Dispose of Existing Storm Pipe
604	1	Ea.	Reconstruct Storm Inlet to Grade & Install Solid Lid
604	3	Ea.	Reconstruct Storm Manhole to Grade
604	3	Ea.	Reconstruct Sanitary Manhole to Grade
604	1	Ea.	Manhole, Type "A"
604	7	Ea.	Standard Catch Basin
605	300	L.F.	4" Perforated P.V.C. Pipe Underdrain
618	Lump	Sum.	Pipe Roof Drain
Spec	5	Ea.	Orifice Plate per w/Type I Bedding
901	370	L.F.	8" Storm Pipe w/Type I Bedding
901	380	L.F.	10" Storm Pipe w/Type I Bedding
901	3	L.F.	6" Ductile Iron Water Pipe & Appurtenances, GI-53
803	1	Ea.	8" x 6" Tapping Sleeve & Valve
807	1	Ea.	Adjust Water Valve Box to Grade
809	1	Ea.	Relocate Existing Fire Hydrant

NOTE RE: ESTIMATE OF QUANTITIES  
These quantities are approximate only and are not to be used for preparation of cost estimates, bids, or any other estimating purpose without verification by the user. Any discrepancies in the quantities shall be brought immediately to the attention of the ENGINEER for resolution.

**GENERAL NOTES**

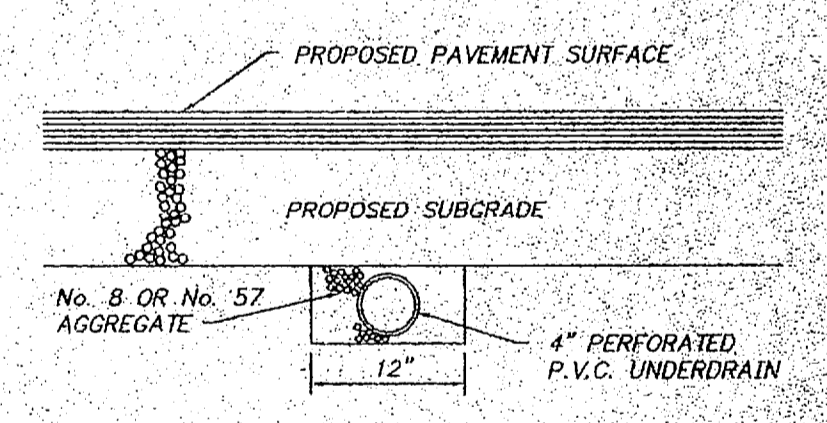
The City of Columbus, Construction and Material Specifications, dated 1993, including all supplements thereto, shall govern all construction items that are a part of this plan, unless otherwise noted.  
Any modifications to the specifications or changes to the work as shown on the drawings must have prior written approval by the Administrator of the Division of Sewerage and Drainage.  
Existing utilities shown are from best available records and field investigation, and are not necessarily complete or exact. The Contractor is responsible for the investigation, location, support, protection, and restoration of all existing utilities and appurtenances whether shown on these plans or not. The Contractor shall expose all utilities or structures prior to construction to verify the vertical and horizontal effect on the proposed construction. The Contractor shall call, toll-free, the Ohio Utilities Protection Service (1-800-362-2764) 72 hours PRIOR to construction and shall notify all utility companies at least 48 hours PRIOR to work in the vicinity of their underground lines.  
The easers shown on this drawing outside of easement areas are to be constructed as a private storm sewer system, therefore the City will not assume maintenance thereof after completion. Standby inspection is mandatory during construction.

The Developer/Owner shall, prior to starting any construction operation, deposit with the City the total estimated cost for inspection and, where required, a bonding guarantee.  
The Contractor shall notify the following divisions at least 24 hours in advance of anticipated start of construction: Division of Sewerage and Drainage - 645-8156  
Division of Construction - 645-3182

The ponding or detention areas as shown on this plan are a part of the storm sewer facilities. The Developer/Owner will assume the responsibility to maintain the ponding or detention areas in a way as not to reduce the capacity of the water storage area. If the Owner will not maintain the ponding or detention areas, this plan will become VOID and the City will plug the sewer at the outlet.  
The standard catch basins located in pavement areas shall have heavy duty grates and frames (similar to Neenah R-3405).

All proposed storm sewer trenches within the right-of-way and under the pavement, or within 3 feet of the pavement, shall use compacted aggregate backfill as per Item 912. All other storm sewer trench backfill within the right-of-way 3 feet or more from the pavement, shall be as per Item 911 (for concrete pipe only).  
All plastic sewer lines shall be deflection tested after installation in conformance with the requirements of Item 900 of the City of Columbus, Construction and Material Specifications, current edition.

All concrete pipe, storm and sanitary sewer structures will be stamped or have such identification noting that said pipe, storm and sanitary structures have been inspected by the City of Columbus and meets their specifications. Pipe and structures without proper identification will not be permitted for installation.  
The Division of Water shall be notified at 645-7788 at least 48 hours prior to construction involving water facilities.



**SUBGRADE DRAIN TRENCH DETAIL**

Install 15 foot lengths of 4" perforated P.V.C. underdrain at all structures within pavement areas per the above detail. The underdrain is to be installed at a 1.00% grade toward the structure, with the upstream end plugged, and the invert of the structure 18" below the proposed rim elevation. The underdrain shall be protected from construction traffic after installation.

**STANDARD DRAWINGS**

The standard drawings listed on these plans shall be considered a part thereof.

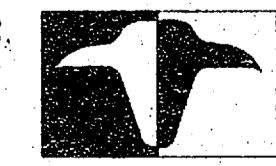
- AA-S100 L-6306
- AA-S114 L-6309
- AA-S119 L-6637
- AA-S133
- AA-S139
- AA-S141
- AA-S145
- AA-S149
- AA-S150
- AA-S151
- AA-S155

**PRELIMINARY**

SUBJECT TO REVISION AND NOT TO BE USED FOR CONSTRUCTION

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL. PAGE				

PLAN PREPARED BY:  
C.F. BIRD & R.J. BULL, INC.  
Consulting Engineers & Surveyors  
2875 W. Dublin-Granville Road  
Columbus, Ohio 43235



PROJECT TITLE:			
PONDING AREAS, SITE GRADING & STORM SEWERS FOR JASONWAY MEDICAL PARK			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CID	CON.DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE			
DIVISION USE ONLY			
SCALE:	HORIZ. 1" = 20'	VERT. 1" = 5'	SHEET 2/4
CONTRACT DRAWING NO. CC-		RECORD PLAN NO.	

SEE LATEST D/RS 02-14-145 C/2004-RESO0123.DWG