

GENERAL NOTES

The State of Ohio, Department of Transportation Construction and Material Specifications, dated January 1, 1991 and the Regulations of the Madison County including all Supplements thereto shall Govern all Construction Items that are part of this Plan, except as such Specifications are modified by the following Notes or by Construction Details set forth herein.

The CONTRACTOR shall keep the COUNTY ENGINEER informed of the construction status in order to permit inspection of the construction. All work is subject to inspection and any portion of the work may be rejected if found to be contrary to the CONSTRUCTION DRAWINGS and/or GENERAL SPECIFICATIONS.

The CONTRACTOR shall be responsible for completing in place all facilities as shown to the satisfaction of the COUNTY. All construction shall be of the highest quality.

The CONTRACTOR and Subcontractors shall comply with the Occupational Safety and Health Act of 1970.

The CONTRACTOR shall be responsible for obtaining all necessary permits and inspections. The cost of all permits and inspections shall be borne by the CONTRACTOR.

The CONTRACTOR shall investigate and locate all utilities prior to construction, and is responsible for repairing and for replacing all damaged underground utilities or appurtenances encountered.

Each CONTRACTOR or SUBCONTRACTOR shall notify the Ohio Utilities Protection Service (toll free, 800-362-2764) 48 hours prior to any excavating, fencing, planting or other work that disturbs the earth for the location of existing underground facilities. All other owners of underground utilities who are not current members of the Ohio Utilities Protection Service should also be notified two working days in advance. The CONTRACTOR shall be fully liable for any and all damages that may be caused to existing utilities upon failure to give 48 hours advance notification. The following is a list of the utility companies as known:

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| Columbus Southern Power 215 N. Front Street Columbus, Ohio 43215 Phone: 614/464-7422 | Centel Cable Television Co. 78 S. Main Street London, Ohio 43140 Phone: 614/852-4227 |
| Ohio Bell Telephone Company Business Office 150 E. Gay Street Columbus, Ohio 43215 Phone: 1-800-660-1000 | Neil Babb County Engineer 222 Garfield Street London, Ohio 43140 Phone: 614/852-9404 |
| Columbia Gas of Ohio, Inc. 56 S. Oak Street London, Ohio 43140 Phone: 614/852-2332 | |

The CONTRACTOR shall perform all the EXCAVATION of the necessary clearing, grubbing and scalping, preparing the embankment foundation, excavation (including excavation for all structures), constructing embankment with the excavated material, preparing the subgrade, finishing shoulders and slopes, all in accordance with Item 201, Item 202 and Item 203 (OHIO-CM). EMBANKMENT shall be in accordance with Item 203 (OHIO-CM). Surplus excavation shall be disposed as directed by the ENGINEER or OWNER.

All INLETS, CATCH BASINS and STORM SEWERS shall be constructed watertight. Any leaks or defects in the work shall be corrected by the CONTRACTOR. Stub connections are to be plugged with vitrified clay stoppers set in cement. All inlets and catch basins shall be constructed in accordance with the applicable Standard Drawings. All such facilities shall be located as shown on the plans.

STORM SEWER Concrete Pipe conforming to ODOT 708.02 with coupling conforming to ASTM C-443 or ADS N-12 pipe or equivalent conforming to ODOT Supplemental Specification 944 with N-12 premium couplings.

All STORM SEWERS shall be constructed in conformance with Item 603 with Type B Bedding.

The CONTRACTOR shall be responsible for maintenance of any trench settlement within one year.

Backfill requirements for all trenches shall be as follows:

95 % of maximum dry laboratory weight at plus or minus 2% of optimum moisture for all sewer trenches outside of right-of-way. Materials as noted *

98% of maximum dry laboratory weight at plus or minus 2% of optimum moisture for all storm, sanitary and utility trenches in right-of-way running parallel to the pavement and not over five feet in depth. Materials as noted *

98% of maximum dry laboratory weight at plus or minus 1.5% of optimum moisture for all storm, sanitary and utility trenches under road pavement starting at a distance of five feet from edges of pavement and extending one foot in distance for each one foot of depth. Materials as noted **

* Soils as defined by ODOT Specification Number 203 which have a dry weight of 100 pounds or better.

** Granular material as defined by ODOT Specification Number 304 - April 1 thru October 1; low strength mortar backfill, Class LSM-100 material October 2 thru March 31.

EROSION AND SEDIMENTATION CONTROL SPECIFICATIONS

The permanent seeding and mulching of the exposed areas shall be in accordance with Item 659 (ODOT) with the following modifications:

- A. Fertilizer - use 400 #/acre of 15-15-15 commercial fertilizer.
- B. Seeding Mixture - use a mixture of approximately 15% Creeping Red Fescue, 51% Kentucky Blue Grass, and 34% Perennial Rye; such as Penn Fine, Norlea, or or Manhattan at the rate of 40 #/acre.
- C. Mulching - use wheat or oats straw (weed free) applied at a rate of 2 tons/acre.

If construction takes place from October 1 to March 1, all exposed areas shall be temporarily mulched until March 1 and then permanently seeded or sodded as specified above. Mulching shall be in accordance with Item 6549 (ODOT) with the following modifications:

- A. Mulching - use wheat or oats straw (weed free) applied at a rate of 2 tons/acre.

For rough-graded areas or other areas where additional work is not scheduled for a period of three weeks or longer and in areas where unanticipated delays are encountered, temporary seeding shall be applied in the same manner as the permanent seeding using rye or wheat seed at the rate of 40 #/acre. Temporary seeding is applicable only from March 1 to October 1. At other times, use temporary mulching as specified above.

Contractor shall initially construct temporary dikes for sediment control during construction at the locations indicated on the grading plan.

Straw bail sediment barriers shall be installed per ODOT std. dwg. MC-11 in all swales and ditches carrying storm water from disturbed project areas to offsite areas. See Grading Plan for minimum locations.

Straw Bail Inlet Filters per MC-11 shall be placed at all Catch Basins and Curb Inlets.

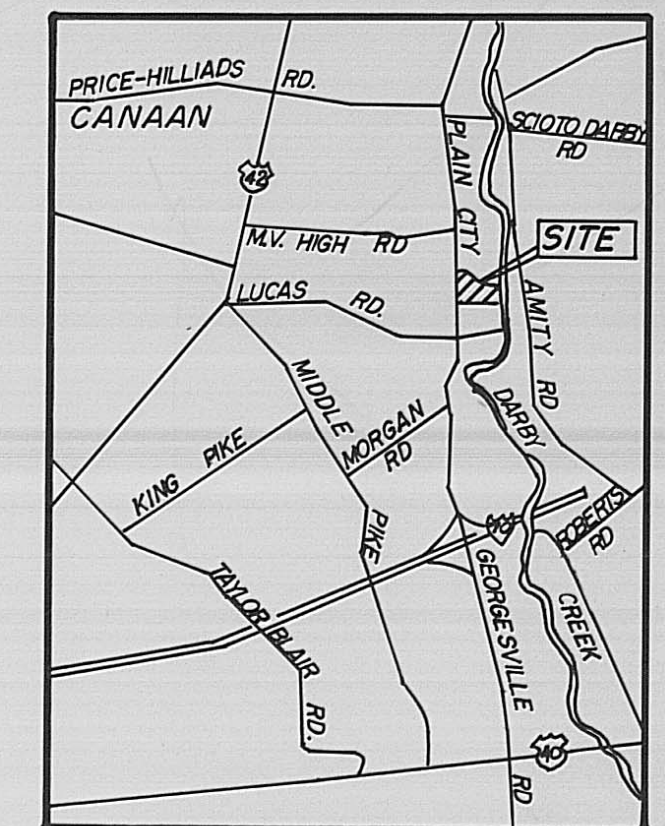
All siltation barriers shall be inspected and maintained regularly during the construction and until permanent erosion protection has been established throughout the project area.

| SUMMARY OF QUANTITIES | | | |
|-----------------------|---|----------|---------|
| ITEM | DESCRIPTION | QUANTITY | UNIT |
| 203 | Excavation, Not Including Embankment Construction | 5640 | CU.YD. |
| 203 | Embankment | 1200 | CU.YD. |
| 203 | Subgrade Compaction | 4780 | SQ.YD. |
| 203 | Clearing and Grubbing | | LUMP |
| 207 | Temporary Soil Erosion and Sediment Control | | LUMP |
| Spec. | Special Base Material #2 & #3 Stone | 898 | CU.YD. |
| 304 | Aggregate Base | ** 224 | CU.YD. |
| 402 | Asphalt Concrete | 168 | CU.YD. |
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| 408 | Prime Coat | 1412 | GAL. |
| 605 | 4" Pipe Underdrains (Including outlet Pipe) | 3329 | Lin.Ft. |
| 609 | Combination Curb and Gutter | 3329 | Lin.Ft. |
| 601 | Rock Channel Protection Type B, without filter | 17 | CU.YD. |
| 602 | Concrete Masonry (Headwall) | 0.4 | CU.YD. |
| 659 | Seeding and Mulching | 45000 | Sq.Yd. |
| 603 | 12" Conduit | 901 | Lin.Ft. |
| 603 | 15" Conduit | 412 | Lin.Ft. |
| 603 | 18" Conduit | 294 | Lin.Ft. |
| 603 | 21" Conduit | 1066 | Lin.Ft. |
| 603 | 24" Conduit | 282 | Lin.Ft. |
| 604 | Catch Basin, Standard 2-2A | 1 | Each |
| 604 | Catch Basin, Standard 2-2B | 5 | Each |
| 604 | Catch Basin Standard 2-3 | 5 | Each |
| 604 | Curb And Gutter Inlet AA-S 125 | 8 | Each |

** Estimated Quantity based on 2" depth Item 304

**CANAAN TOWNSHIP
MADISON COUNTY, OHIO
DARBY GLEN SUBDIVISION**

STREET PLANS



LOCATION MAP
1" = 2 Miles

OWNER AND DEVELOPER:
SHORE PROPERTIES INC.
9020 COLUMBUS PIKE
WESTERVILLE, OHIO 43081
TELE: (614) 548-4057

APPROVED:

Charles A. Vince Pres. _____ Date _____

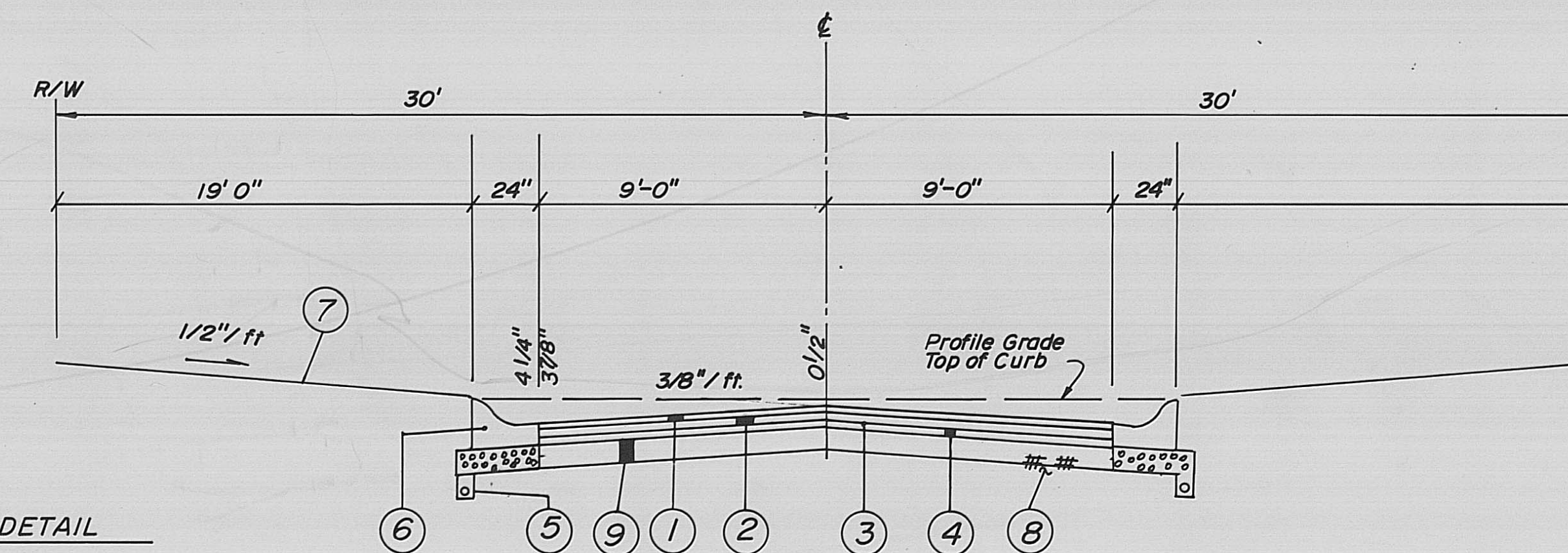
Madison County Engineer _____ Date _____

STANDARD CONSTRUCTION DRAWINGS

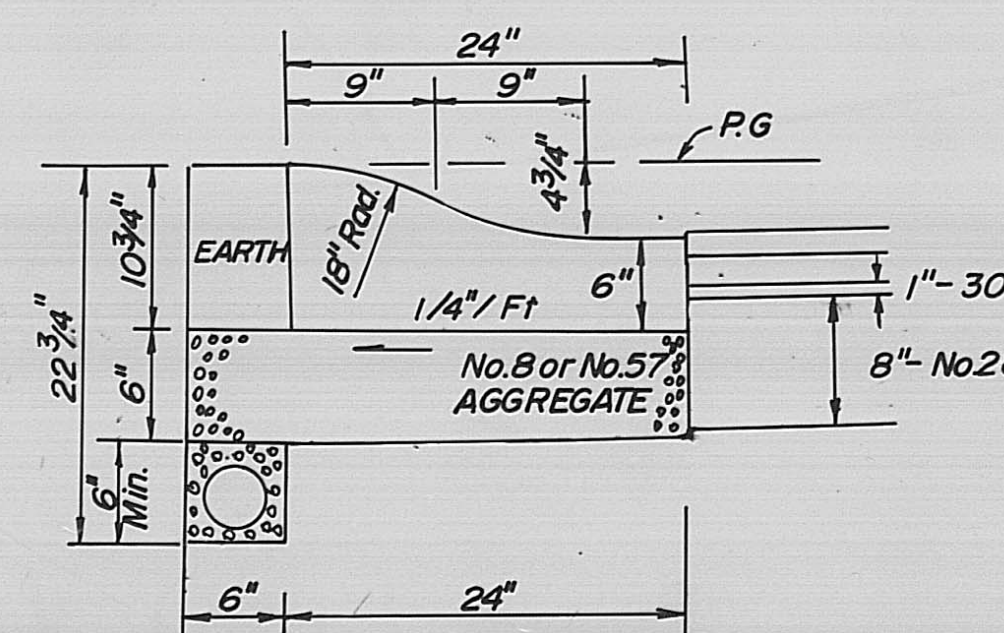
The Standard Drawings Listed on this Plan shall be considered a part thereof. Ohio Department of Transportation Standard Construction Drawing:

- CB-2-2A & B HW-4B
- CB-2-3 MC-4
- MC-11
- City of Columbus Std. Dwg
- AA-S 125
- AA-S 129

TYPICAL SECTION



CURB DETAIL



- ① Item 404 1/2" Asphalt Concrete
- ② Item 402 1/2" Asphalt Concrete (B5-100) or AC-20
- ③ Item 408 Prime Coat, MC-30 0.35 Gal. Sq. Yd., RT-2, CBAE 350
- ④ Item 304 1" Aggregate Base
- ⑤ Item 605 4" Pipe Underdrain (Highway Grade)
- ⑥ Item 609 Combination Curb and Gutter
- ⑦ Item 659 Seeding and Mulching
- ⑧ Item 203 Subgrade Compaction
- ⑨ Special Base Material 8" of #2 and #3 Stone
Note, Item 304 material to be vibrated and compacted into upper 2" ± of stone Base. Total base depth of 9"

BENCH MARKS:
USGS Monument in N.W. corner of Price-Hilliard and Plain City-Georgesville Roads
ELEV. 927.15

R.R. Spk. in E.S. power pole on E.S. of Plain City-Georgesville Rd. at drive entrance located 2560 feet north of centerline of Glen View Drive
ELEV. 925.91

R.R. Spk. in power pole on W.S. of Plain City-Georgesville Rd. 740' N. of SW Cor Glen View Subd.
ELEV. 925.86

AS BUILT PLAN

DARBY GLEN

PLAN PREPARED BY:

HUGHES ENGINEERING
6161 BUSCH BLVD
COLUMBUS, OHIO

Thomas R. Hughes _____ Aug 13, 1992
Registered Engineer 33352 _____ Date _____