



POLARIS ENGINEERING & SURVEYING, INC.
 34600 CHARDON ROAD
 SUITE D
 WILLOUGHBY HILLS, OH 44094
 (440) 944-4433
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 www.polaris-es.com

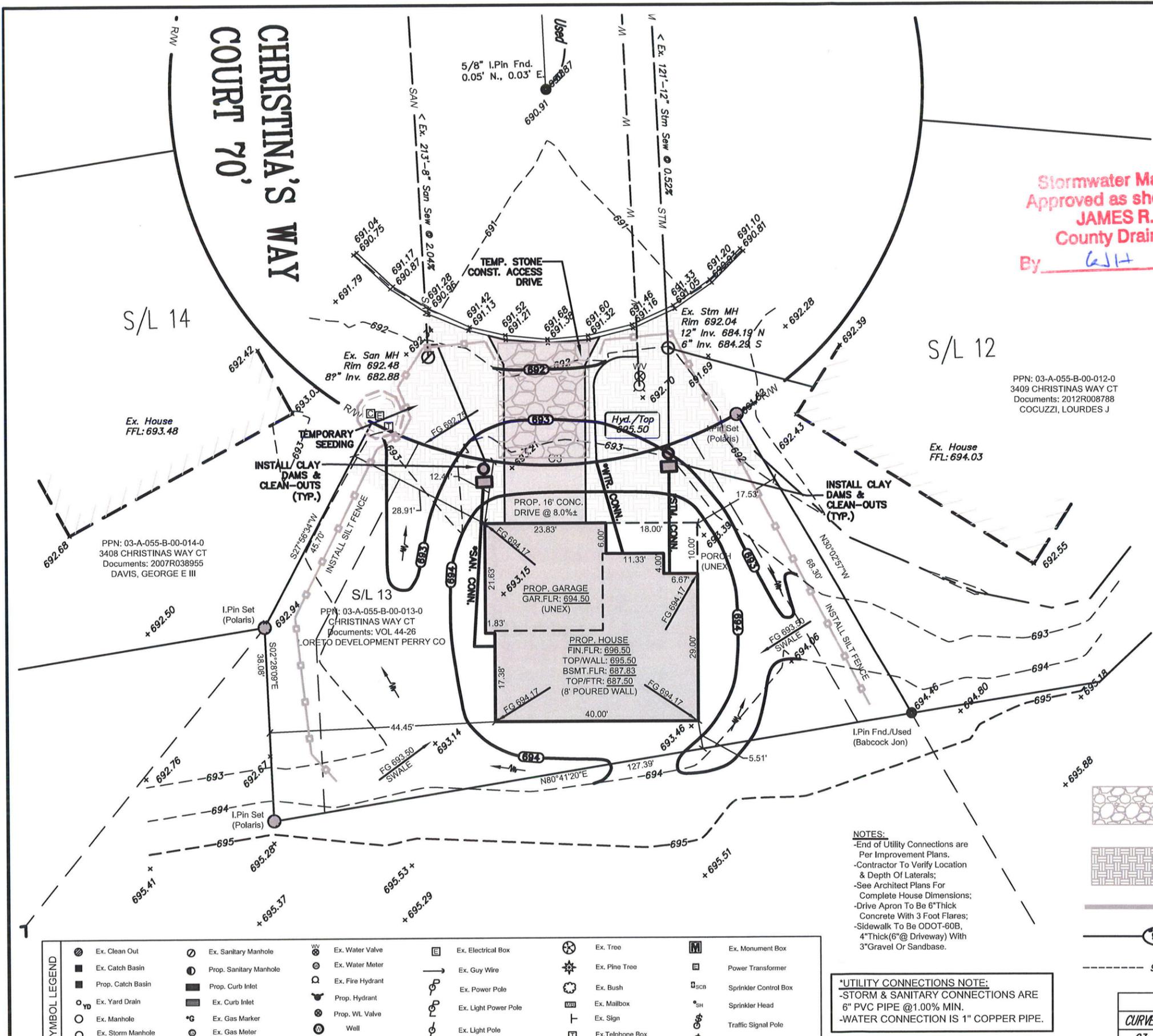
DATE: 5/4/15
 SCALE: HOR. 1"=20'
 FOLDER: DWG/Site Plan
 FILENAME: Site Plan
 TAB: Site Plan
 DRAWN: DRW

SITE PLAN FOR:
 SUBLot No. 13
 PPN: 03-A-055-B-00-013-0
 LORETO LANDINGS
 TOWNSHIP OF PERRY - LAKE COUNTY - OHIO

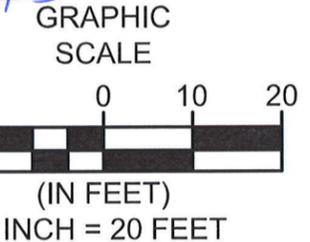
PREPARED FOR:
 B.R. Knez Construction, Inc.
 7555 Fredle Dr. - Suite 210
 Concord Twp, OH 44077
 PHONE: (440) 710-0711
 CONTACT: Eric Eastwood



CONTRACT No.
 15076
 SHEET 1 OF 1



Stormwater Management Plan
 Approved as shown and/or noted
JAMES R. GILLS, P.E.
 County Drainage Engineer
 By GJH Date 5/6/15



PPN: 03-A-055-B-00-012-0
 3409 CHRISTINAS WAY CT
 Documents: 2012R008788
 COCUZZI, LOURDES J

811 Know what's below.
 Call before you dig.

2 WORKING DAYS BEFORE YOU DIG CALL 8-1-1
 OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS
 MUST BE CALLED DIRECT

O.U.P.S. REFERENCE #

EXISTING UNDERGROUND UTILITIES NOTE:
 THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED HEREON. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED. WHERE PRACTICAL. HOWEVER, POLARIS ENGINEERING & SURVEYING, INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

NOTE: THIS SURVEY SUBJECT TO CHANGE UPON RECEIPT OF ANY ADDITIONAL AVAILABLE UNDERGROUND UTILITY INFORMATION.

- NOTES:**
- End of Utility Connections are Per Improvement Plans.
 - Contractor To Verify Location & Depth Of Laterals;
 - See Architect Plans For Complete House Dimensions;
 - Drive Apron To Be 6" Thick Concrete With 3 Foot Flares;
 - Sidewalk To Be ODOT-60B, 4" Thick (6" @ Driveway) With 3" Gravel Or Sandbase.

- STONE CONSTRUCTION ENTRANCE
- AREAS REQUIRING TEMPORARY STABILIZATION (SEE E.S.C. NOTES)
- SILT FENCE
- PROPOSED CONTOUR
- EXISTING CONTOUR

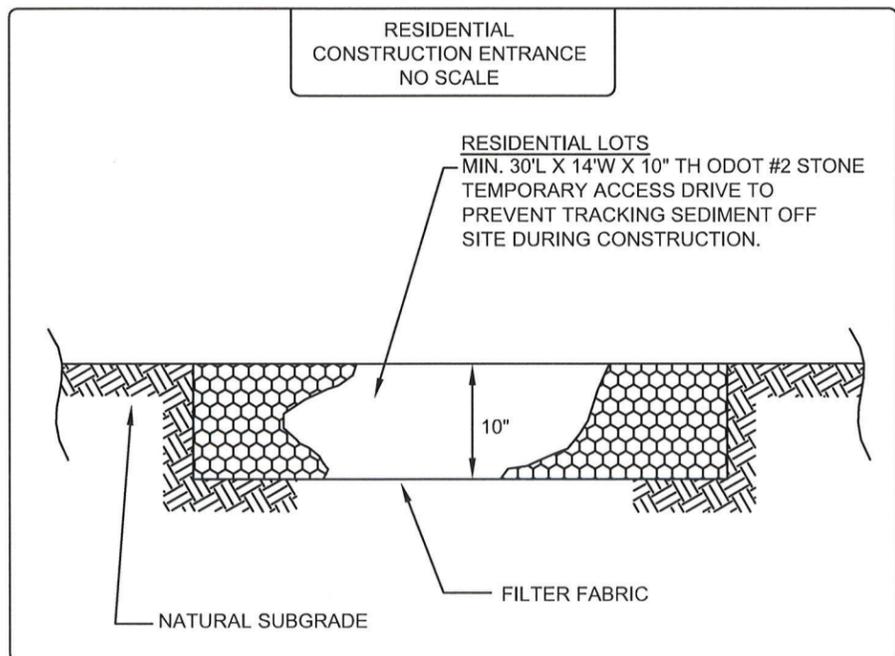
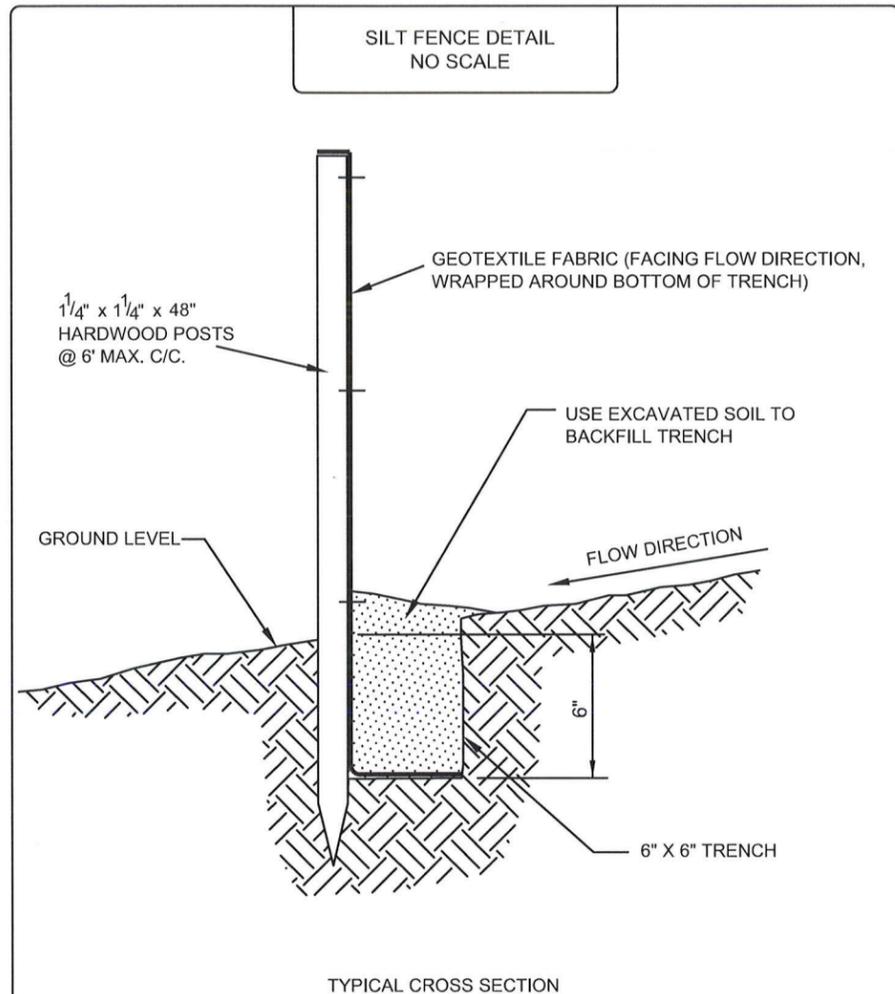
SYMBOL LEGEND

| | | | | | | | | | | | |
|--|---------------------|--|------------------------|--|------------------|--|----------------------|--|-------------------|--|-----------------------|
| | Ex. Clean Out | | Ex. Sanitary Manhole | | Ex. Water Valve | | Ex. Electrical Box | | Ex. Tree | | Ex. Monument Box |
| | Ex. Catch Basin | | Prop. Sanitary Manhole | | Ex. Water Meter | | Ex. Guy Wire | | Ex. Pine Tree | | Power Transformer |
| | Prop. Catch Basin | | Ex. Fire Hydrant | | Ex. Fire Hydrant | | Ex. Power Pole | | Ex. Bush | | Sprinkler Control Box |
| | Ex. Yard Drain | | Prop. Hydrant | | Prop. Hydrant | | Ex. Light Power Pole | | Ex. Mailbox | | Sprinkler Head |
| | Ex. Manhole | | Prop. WL Valve | | Prop. WL Valve | | Ex. Sign | | Ex. Telephone Box | | Traffic Signal Pole |
| | Ex. Storm Manhole | | Well | | Well | | Ex. Light Pole | | Ex. Telephone Box | | Traffic Signal Box |
| | Prop. Storm Manhole | | Test Bore | | Test Bore | | Prop. Light Pole | | Guard Post | | |

***UTILITY CONNECTIONS NOTE:**
 -STORM & SANITARY CONNECTIONS ARE 6" PVC PIPE @1.00% MIN.
 -WATER CONNECTION IS 1" COPPER PIPE.

CURVE TABLE

| CURVE | LENGTH | RADIUS | TANGENT | BEARING | DELTA |
|-------|--------|--------|---------|-------------|-----------|
| C3 | 74.90' | 74.00' | | S88°56'48"W | 57°59'31" |



PERMANENT SEEDING SPECIFICATIONS

| Seed Mix | lb./ac. | lb. / 1000sqft | Notes: |
|---------------------------|---------|----------------|--------------------------------|
| General Use | | | |
| Creeping Red Fescue | 20-40 | 1/2-1 | |
| Domestic Ryegrass | 10-20 | 1/4-1/2 | |
| Kentucky Bluegrass | 10-20 | 1/4-1/2 | |
| Tall Fescue | 40 | 1 | |
| Dwarf Fescue | 40 | 1 | |
| Steep Banks or Cut Slopes | | | |
| Tall Fescue | 40 | 1 | |
| Crown Vetch | 10 | 1/4 | Do not seed later than August. |
| Tall Fescue | 20 | 1/2 | |
| Flat Pea | 20 | 1/2 | Do not seed later than August. |
| Tall Fescue | 20 | 1/2 | |
| Road Ditches and Swales | | | |
| Tall Fescue | 40 | 1 | |
| Dwarf Fescue | 90 | 2 1/4 | |
| Kentucky Bluegrass | 5 | | |
| Lawns | | | |
| Kentucky Bluegrass | 60 | 1 1/2 | |
| Perennial Ryegrass | 60 | 1 1/2 | |
| Kentucky Bluegrass | 60 | 1 1/2 | For Shaded areas. |
| Creeping Red Fescue | 60 | 1 1/2 | |

Note: other approved seed species may be substituted.

TEMPORARY SEEDING SPECIFICATIONS

| SEEDING DATES | SPECIES | LB. / 1000SQFT | PER ACRE |
|--|--------------------|----------------|----------|
| MARCH 1 TO AUGUST 15 | OATS | 3 | 4 BUSHEL |
| | TALL FESCUE | 1 | 40 LB. |
| | ANNUAL RYEGRASS | 1 | 40 LB. |
| | PERENNIAL RYEGRASS | 1 | 40 LB. |
| | TALL FESCUE | 1 | 40 LB. |
| | ANNUAL RYEGRASS | 1 | 40 LB. |
| AUGUST 16 TO NOVEMBER 1 | RYE | 1 | 2 BUSHEL |
| | TALL FESCUE | 1 | 40 LB. |
| | ANNUAL RYEGRASS | 1 | 40 LB. |
| | WHEAT | 1 | 40 LB. |
| | TALL FESCUE | 1 | 40 LB. |
| | ANNUAL RYEGRASS | 1 | 40 LB. |
| NOVEMBER 1 TO SPRING SEEDING USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING. | PERENNIAL RYEGRASS | 1 | 40 LB. |
| | TALL FESCUE | 1 | 40 LB. |
| | ANNUAL RYEGRASS | 1 | 40 LB. |

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.



TOPOGRAPHIC CERTIFICATION:

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS TOPOGRAPHY, INDICATED BY 1' CONTOURS, AND ELEVATIONS SHOWN HEREON, REPRESENT AN ACTUAL FIELD SURVEY MADE BY ME ON THE 24TH DAY OF APRIL, 2015, AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY EXISTED AS INDICATED HEREON. VERTICAL DATUM IS BASED ON NAVD88.

Richard A. Thompson, Jr.
RICHARD A. THOMPSON, JR., P.S. #7388

Erosion and Sediment Control Schedule

General

Any sediment-laden groundwater encountered during construction shall be treated prior to discharge.

Ingress-Egress

A stone access drive complete with under lying geo-textilefabric (14 feet wide and 30 feet long x 10 inch thick) for ingress and egress at the site shall be installed if there is not already an existing access drive. This drive shall be the only entrance and exit to the site.

Silt Fence & Inlet Protection

All silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan as well as along the front of any lot that slopes towards the street. Place inlet protection on all existing or proposed locations indicated on plan.

Temporary Seeding

Disturbed areas of the site that are to remain idle for more than fourteen (14) days shall be properly seeded and straw mulched within seven (7) days of completion of initial grading. Temporary seeding and mulching of a thirty (30) foot strip of the entire front of the lot shall be maintained on the site once initial grading is complete.

Stabilization of critical areas within fifty (50) feet of any stream or wetland shall be complete within two (2) days of the disturbance if the site is to remain inactive for longer than fourteen (14) days.

Mulching

Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, at a width of thirty (30) feet of the entire length of the lot. Wood chips may also be used but must be spread at a minimum depth of four inches over the thirty-foot width and must be accompanied by a properly installed silt fence.

Maintenance

Erosion and sediment controls shall be inspected every seven (7) days or within 24 hours of a 0.5" or greater rainfall event. Necessary repairs shall be made at this time.

Note:

All erosion and sediment control specifications, applications, and timetables are based on the descriptions and standards of The Ohio Department of Natural Resources Rainwater and Land Development Manual".

The specified erosion and sediment control standards are the general guidelines and shall not limit the right of the county to impose, at any time, additional, more stringent requirements. Nor shall the standards limit the right of the county to waive, in writing, individual requirements.



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SEAL



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1 OF 1