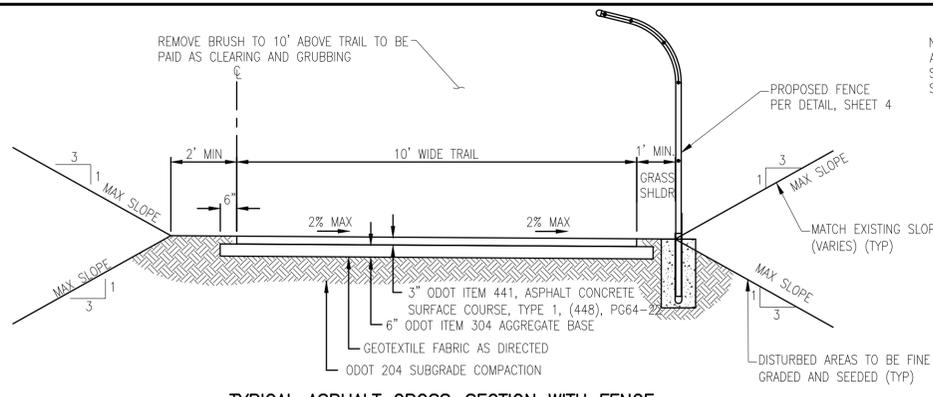






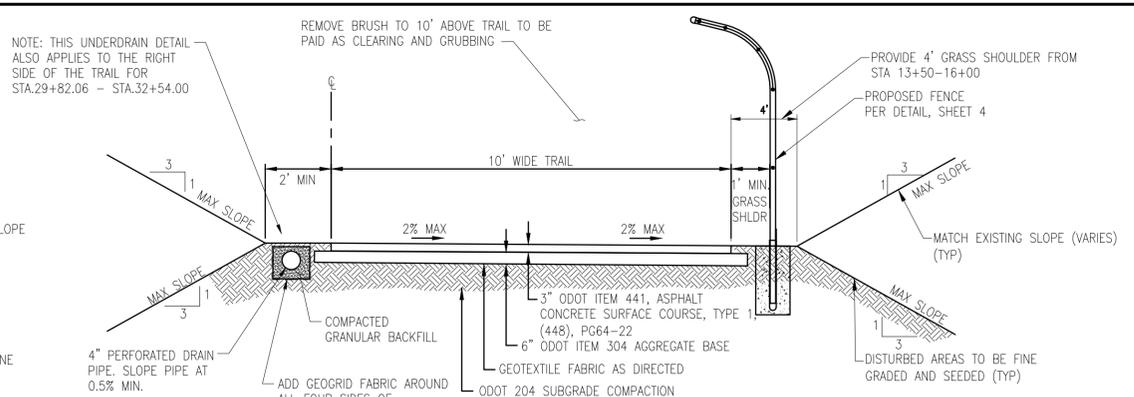
**NOTES**

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE SAFETY AND PROTECTION OF ALL PERSONS AND PROPERTIES.
2. THE QUANTITIES HAVE BEEN ESTABLISHED FOR REFERENCE ONLY. THE CONTRACTOR SHALL COMPLETE HIS OWN QUANTITY TAKEOFF TO DETERMINE THE BID PRICE FOR THE PLAN IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE TO COMPLETE THE PROJECT AS TO THE INTENT SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS AND CONTRACT DOCUMENTS. ADDITIONAL COMPENSATION WILL NOT BE MADE TO THE CONTRACTOR FOR THEIR FAILURE TO INCLUDE THE TOTAL COST OF LABOR, EQUIPMENT, AND MATERIALS IN THE TOTAL BID PRICE. ITEM NUMBERS REFER TO ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION.
3. ANY DEFECTIVE MATERIALS OR WORKMANSHIP IN CONSTRUCTION SHALL BE CORRECTED BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE CITY AT THE EXPENSE OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE OWNER" UNLESS AUTHORIZED BY THE OWNER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL BALANCING CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.
5. THE EXISTING UTILITIES SHOWN ON THESE PLANS REPRESENT THE INFORMATION AS PROVIDED BY THE OWNERS OF THE UTILITY COMPANY. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO ITS ACCURACY AND THE LOCATION OF EXISTING UTILITIES. NO GUARANTEE IS GIVEN THAT THE LOCATIONS ARE ABSOLUTELY ACCURATE OR THAT UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS ARE PRESENT.
6. CONTRACTOR SHALL NOTIFY UTILITY LOCATOR SERVICE BEFORE BEGINNING CONSTRUCTION. CONTRACTOR IS OBLIGATED TO VERIFY ALL DIMENSIONS ON THE GROUND AND REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE OWNER.
7. LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. AN ACCURATE LAYOUT SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL NOT COMMENCE SITE CLEARING OPERATIONS UNTIL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE. NO TREES OR SHRUBBERY OF ANY KIND SHALL BE REMOVED OR DESTROYED BY THE CONTRACTOR WITHOUT WRITTEN PERMISSION OF THE OWNER.
10. CONTRACTOR SHALL REMOVE AND DISPOSE OF DEBRIS AND OTHER UNACCEPTABLE MATERIAL, AS DETERMINED BY THE OWNER, OFFSITE AS PART OF SITE PREPARATION FOR CONSTRUCTION.
11. CONTRACTOR SHALL PROTECT AND MAINTAIN BENCHMARKS AND SURVEY CONTROL POINTS FROM DISTURBANCE DURING CONSTRUCTION.
12. CONTRACTOR SHALL CONDUCT THEIR OPERATIONS IN SUCH A MANNER TO MINIMIZE THE AMOUNT OF GROUND LEFT BARREN DURING CONSTRUCTION AND TO DISTURB ONLY THOSE AREAS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGES TO EXISTING LAWNS, LANDSCAPING, PAVEMENTS, CURB & GUTTER, OR OTHER AREAS OUTSIDE THE LIMITS OF THE CONTRACT. PRIVATE UTILITIES, SPRINKLERS SYSTEMS, FENCES, ATHLETIC PLAYING FIELDS, UTILITY POLES, SHRUBS, TREES, EXISTING SIDEWALK, OR ANY OTHER SURFACE OR SUBSURFACE ITEMS OF VALUE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED/REPLACED TO AT LEAST EQUAL CONDITION AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
14. THE CONTRACTOR SHALL SLOPE GRADES TO AVOID SURFACE RUNOFF OVER THE TRAIL. ALL INLETS SHALL BE CHANNELIZED. THE CONTRACTOR SHALL MAINTAIN AND/OR PROVIDE POSITIVE DRAINAGE IN ALL AREAS DISTURBED. PAVEMENT SHALL BE TESTED AND CORRECTED FOLLOWING CONSTRUCTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND AND AWAY FROM THE CONSTRUCTION SITE AS DESIGNATED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), CURRENT EDITION.
16. THE CONTRACTOR SHALL PROVIDE INFORMATION TO DEVELOP AS-BUILT CONSTRUCTION PLANS. COSTS SHALL BE INCLUDED WITH VARIOUS BID ITEMS.
17. ANY MODIFICATION TO THE WORK SHOWN ON THE DRAWINGS MUST HAVE PRIOR APPROVAL BY THE CITY.



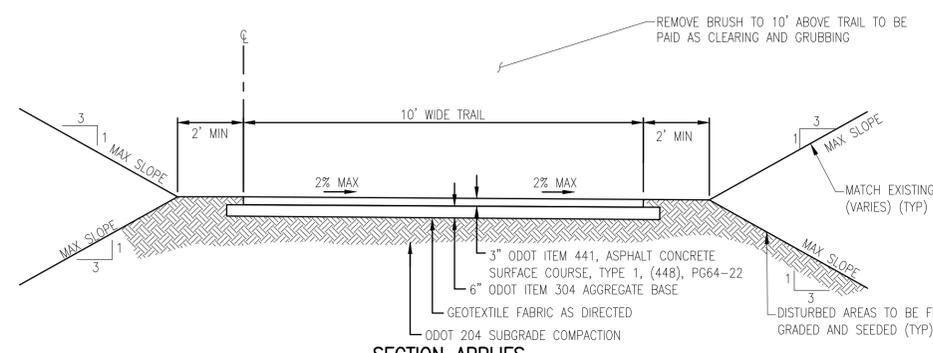
**TYPICAL ASPHALT CROSS-SECTION WITH FENCE**  
NOT TO SCALE

PROVIDE FENCE ON RIGHT SIDE:  
STA. 12+50.00 TO STA. 16+28.00  
STA. 18+70.00 TO STA. 23+22.00  
STA. 27+50.00 TO STA. 31+51.00



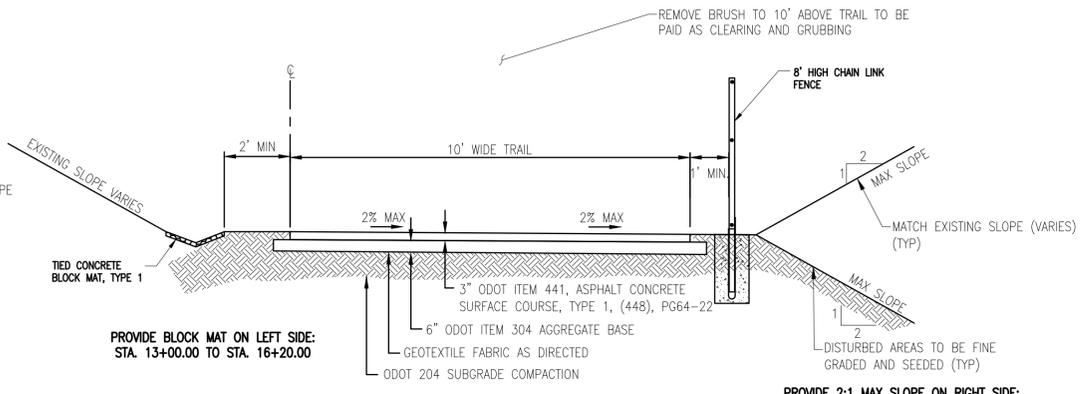
**TYPICAL ASPHALT CROSS-SECTION WITH UNDERDRAIN AND FENCE**  
NOT TO SCALE

PROVIDE UNDERDRAIN ON LEFT SIDE:  
STA. 20+50.00 TO STA. 22+80.00



**SECTION APPLIES**  
NOT TO SCALE

STA. 0+00.00 TO STA. 10+00.00  
STA. 23+22.00 TO STA. 24+74.00  
STA. 31+51.00 TO STA. 41+13.00

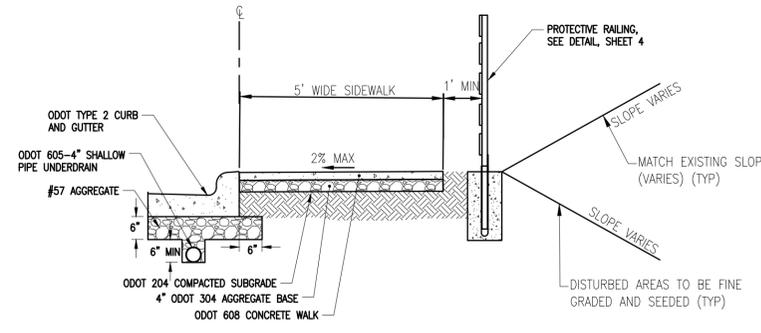


**TYPICAL ASPHALT CROSS-SECTION**  
NOT TO SCALE

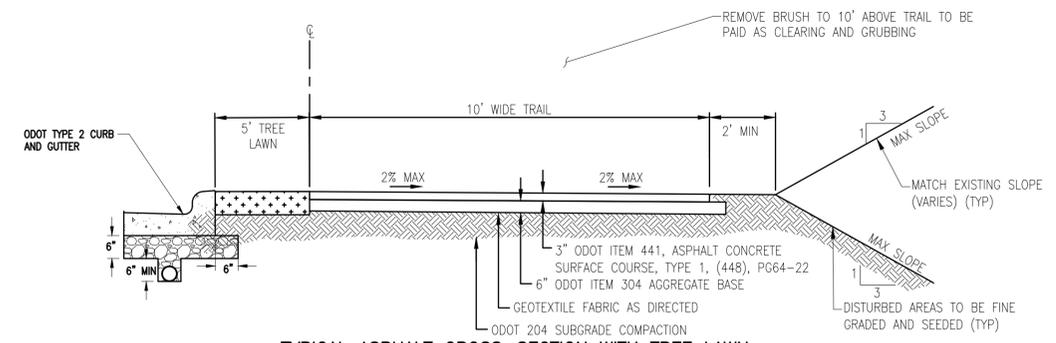
PROVIDE BLOCK MAT ON LEFT SIDE:  
STA. 13+00.00 TO STA. 16+20.00

PROVIDE 8' FENCE ON RIGHT SIDE:  
STA. 10+00.00 TO STA. 12+50.00  
STA. 24+74.00 TO STA. 27+50.00

PROVIDE 2:1 MAX SLOPE ON RIGHT SIDE:  
STA. 13+50.00 TO STA. 16+00.00  
ODOT ITEM 671-EROSION CONTROL MAT TO BE INSTALLED ON THESE SLOPES

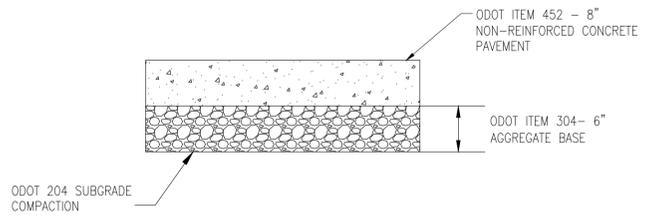


**ALTERNATE 1 - SIDEWALK DETAIL**  
NOT TO SCALE

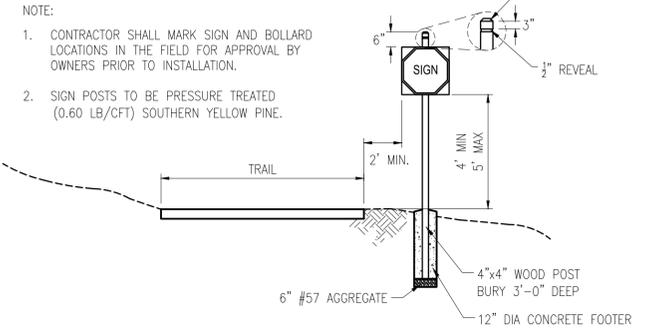


**TYPICAL ASPHALT CROSS-SECTION WITH TREE LAWN**  
NOT TO SCALE

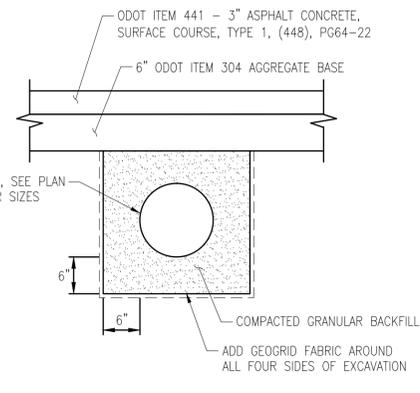
STA. 16+22.0 TO STA. 19+03.0



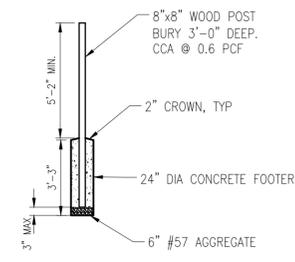
**DRIVE APPROACH DETAIL**  
NOT TO SCALE



**TRAIL SIGN PLACEMENT**  
NOT TO SCALE

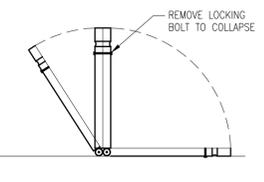


**TRAILWAY DRAINAGE PIPE CROSSINGS**  
NOT TO SCALE



**GATE POST DETAIL**  
NOT TO SCALE

NOTE: BOLLARDS SHALL BE PER ODOT STANDARD DRAWING RM-5.1



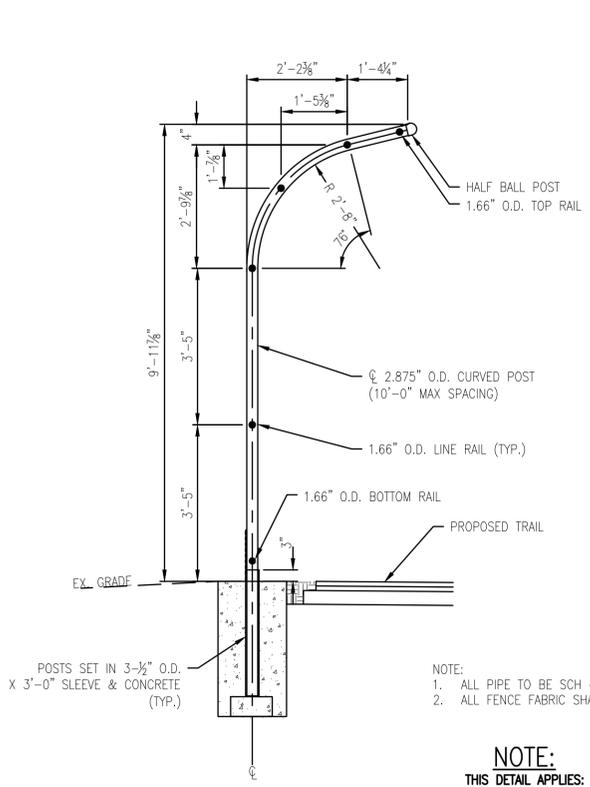
**COLLAPSIBLE WOOD BOLLARD**  
NOT TO SCALE



DATE	8/19/2015	CAD		SECTION		TOWN		RANGE		COUNTY	FRANKLIN COUNTY	CITY/VILLAGE/TOWNSHIP		SCALE	H: NTS V: NTS	VERT. DATA		
ENGINEER	DSM	ARCH		PROJ. #														
CLIENT	CITY OF GAHANNA																	
JOB #	6052140010																	
REVISIONS																		
WWW.OHM-ADVISORS.COM																		
580 NORTH FOURTH STREET, SUITE 630, COLUMBUS, OHIO 43215																		

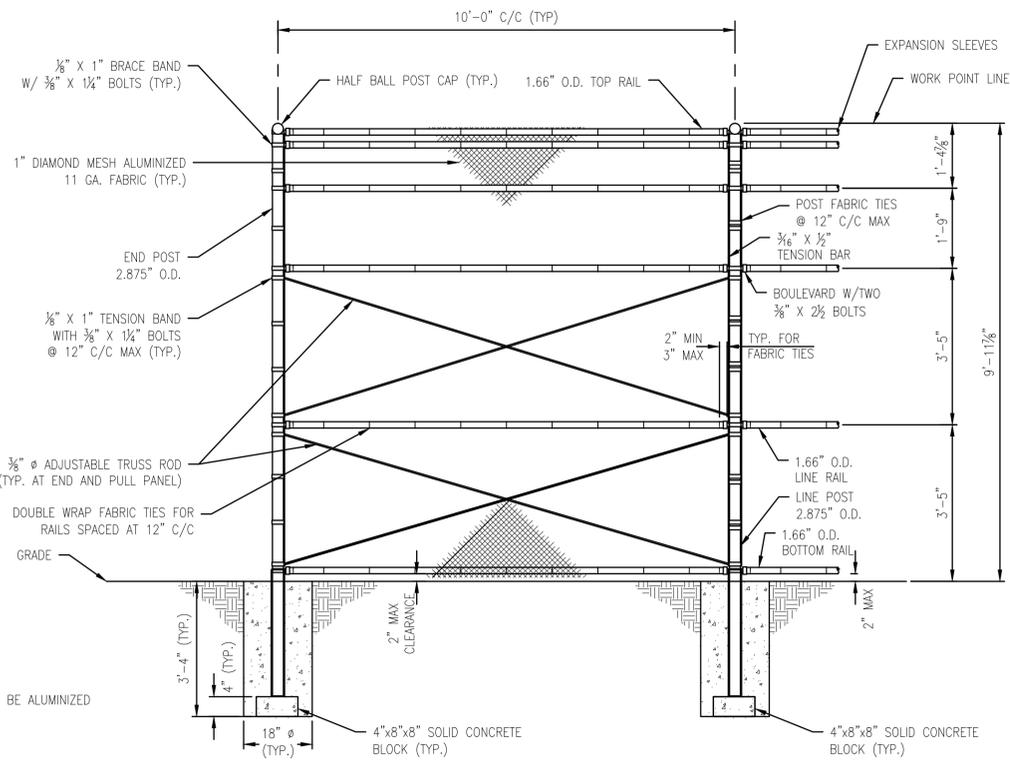
**BIG WALNUT TRAIL, SECTION 5**  
**TRAILWAY IMPROVEMENT PLANS**  
**MISCELLANEOUS DETAILS &**  
**TYPICAL CROSS SECTION**

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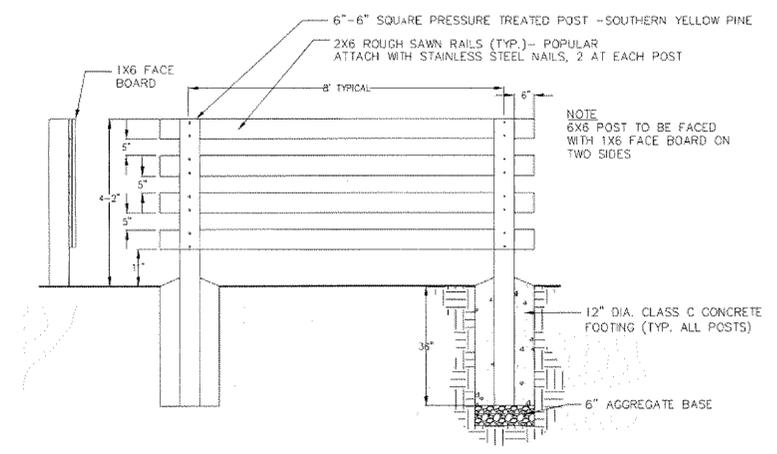


NOTE:  
1. ALL PIPE TO BE SCH 40  
2. ALL FENCE FABRIC SHALL BE ALUMINIZED

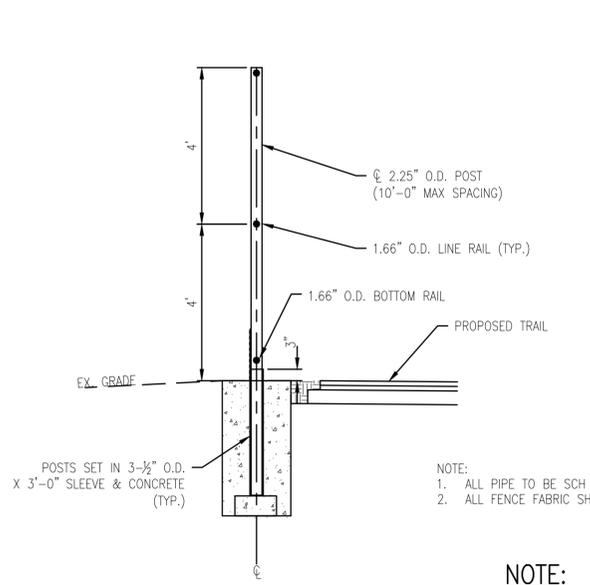
**NOTE:**  
THIS DETAIL APPLIES:  
STA 12+50-16+28  
STA 18+70-23+22  
STA 27+50-31+51



**10' PROTECTIVE FENCE DETAIL**  
NOT TO SCALE

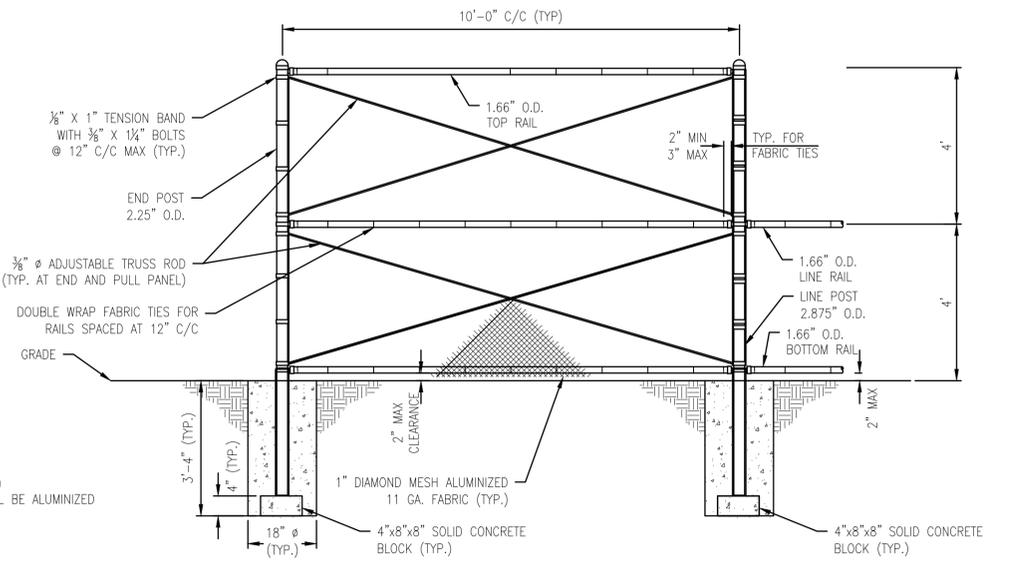


**SIDEWALK RAILING DETAIL**  
NOT TO SCALE

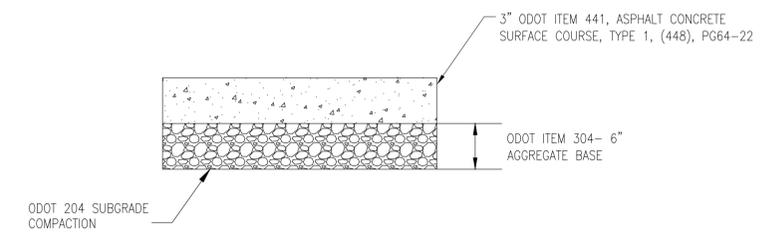


NOTE:  
1. ALL PIPE TO BE SCH 40  
2. ALL FENCE FABRIC SHALL BE ALUMINIZED

**NOTE:**  
THIS DETAIL APPLIES:  
STA 10+00-12+50  
STA 24+74-27+50



**8' FENCE DETAIL**  
NOT TO SCALE



**ASPHALT CART PATH DETAIL**  
NOT TO SCALE



**WATER & SEWER UTILITY SYMBOLS**

**EXISTING**

- ST STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- S SANITARY MANHOLE
- CO CLEAN OUT
- GW GATE VALVE & WELL
- GATE VALVE & BOX
- W WATER STOP BOX
- FIRE HYDRANT
- MP METER PIT
- WATER METER
- SH SPRINKLER HEAD
- IRRIGATION VALVE

**PROPOSED**

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GV&W GATE VALVE & WELL
- GV&B GATE VALVE & BOX
- TSV&W TAPPING SLEEVE VALVE & WELL
- TSV&B TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

**REAL ESTATE SYMBOLS**

- CONTIGUOUS PROPERTY SYMBOL
- PARCEL NUMBER BOX
- NO ROW IMPACTS

**MISCELLANEOUS UTILITY SYMBOLS**

**EXISTING**

- GUY WIRE
- GP GUY POLE
- U UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GAS VENT
- GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- TRANSFORMER PAD
- U PRIVATE UTILITY MANHOLE
- R RAILROAD CROSSING
- E ELECTRIC METER
- PB PHONE BOOTH
- TS TRAFFIC SIGNAL CONTROLLER
- H HAND HOLE
- E ELECTRIC RISER
- T TELEPHONE RISER
- C CABLE TV RISER
- W MONITORING WELL
- U UNDERGROUND MARKER

**MISCELLANEOUS SYMBOLS**

**EXISTING**

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE } CL 1 1" TO 5"  
CL 2 6" TO 17"  
CL 3 18" TO 35"  
CL 4 36" AND UP
- DECIDUOUS TREE }
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SB# SOIL BORING
- SECTION CORNER
- MON MONUMENT
- IRON ROD/PIPE
- PK# PK NAIL
- BM# BENCHMARK
- TP# TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FP FLAG POLE
- POST

**HAZARDOUS OR FLAMMABLE MATERIAL**

USED WITH UNDERGROUND GAS & ELECTRICAL LINES

**CAUTION - CRITICAL UNDERGROUND UTILITY**

USED WITH TELEPHONE & FIBER OPTIC LINES

**PROPOSED**

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER  
WM SAN STM
- ADA SIDEWALK RAMP

**UTILITY PATTERN**

**EXISTING**

- ELEC ELECTRICAL \*
- 6" (COMPANY) GAS GAS/OIL
- (COMPANY) CABLE/TEL CABLE/TELEPHONE \*
- FIBER OPTIC FIBER OPTIC \*
- 12" WM WATER
- 12" SAN SANITARY
- 12" STM STORM
- EDGE OF WATER
- 12" PROPOSED STORM/SANITARY/WATER
- 12" PROPOSED PRIMARY UTILITY WILL HAVE A CONTINUOUS LIFESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LIFESTYLE

\*OH = OVERHEAD , UG = UNDERGROUND

**ROW PATTERN**

**EXISTING**

- ROW ROW
- SECTION SECTION
- PROPERTY/PARCEL

**PROPOSED**

- ROW ROW

**TOPO PATTERN**

**EXISTING**

- HEDGE/TREE
- CHAINLINK FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- EDGE OF WATER

**PROPOSED**

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF SWALE/DITCH
- GUARDRAIL
- CHAINLINK FENCE
- WOOD RAILING

**REMOVAL LEGEND**

- PAVEMENT REMOVAL
- CURB AND GUTTER, REM
- TREE, REM
- S-XXXXXX SALVAGE
- B-XXXXXX BULKHEAD
- A-XXXXXX ABANDON
- R-XXXXXX REMOVE
- ADJ-XXXXXX ADJUST
- REL-XXXXXX RELOCATE
- REC-XXXXXX RECONSTRUCT
- R B/O-XXXXXX REMOVE BY OTHERS
- ADJ B/O-XXXXXX ADJUST BY OTHERS
- REL B/O-XXXXXX RELOCATE BY OTHERS

**IF NECESSARY FOR CLARITY**

- S SALVAGE
- B BULKHEAD
- A ABANDON
- C CLEARING
- R REMOVE
- REL RELOCATE
- REC RECONSTRUCT
- REL B/O RELOCATE BY OTHERS
- ADJ B/O ADJUST BY OTHERS

**SPECIAL LEGEND**



DATE	CADD	ENG/ARCH	PROJ/MGR	SECTION	TOWN	RANGE	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	VERT DATUM
XXXX/2014		DSM	AHC				FRANKLIN COUNTY		H: NTS V: NTS	VERT DATUM
CLIENT: CITY OF GAHANNA										
JOB # 6052140010										
REVISIONS										
WWW.OHM-ADVISORS.COM										
580 NORTH FOURTH STREET, SUITE 630, COLUMBUS, OHIO 43215										
COPYRIGHT 2009 OHM ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM										

**BIG WALNUT TRAIL, SECTION 5  
TRAILWAY IMPROVEMENT PLANS  
LEGEND**

DRAWING PATH: P:\6000\_6100\652140010\_Big Walnut Trail - Segment 5\roadway\sheet5\BVTSS\_LEGEND.dwg Aug 18, 2015 - 9:41am

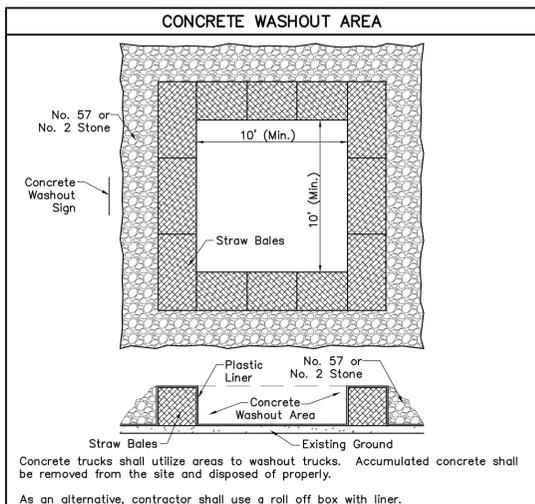




# STORM WATER POLLUTION PREVENTION PLAN (SWP3) SITE DESCRIPTION

- A. NATURE AND TYPE OF CONSTRUCTION ACTIVITY:
- THE SECTION OF PROPOSED IMPROVEMENTS WILL BE FOR THE EXTENSION OF A PUBLIC BIKE PATH FROM AN EXISTING PATH TO RIVERS EDGE WAY.
- B. TOTAL AREA TO BE DISTURBED:
- APPROX. 2.20 ACRES.
- C. RUNOFF COEFFICIENTS FOR BOTH PRE-CONSTRUCTION AND POST-CONSTRUCTION SITE CONDITIONS:
- THE PRE-DEVELOPMENT SITE CONDITION IS A COMBINATION OF LIGHT WOODS, OPEN FIELD, AND EXISTING BIKE PATH. A CURVE NUMBER OF 77 BEST REPRESENTS THE POST DEVELOPMENT CONDITIONS.
  - THE POST-DEVELOPMENT SITE CONDITION WILL BE SIMILAR WITH THE ADDITION OF A 10-FOOT WIDE BIKE PATH. A CURVE NUMBER OF 77 BEST REPRESENTS THE PRE DEVELOPMENT CONDITIONS.
- D. ESTIMATE OF IMPERVIOUS AREA AND PERCENT IMPERVIOUS AREA CREATED BY CONSTRUCTION ACTIVITY:
- THE ESTIMATE OF IMPERVIOUS AREA IS THE BIKE PATH = 0.96 ACRES
  - THE ESTIMATED PERCENT IMPERVIOUS AREA CREATED BY CONSTRUCTION ACTIVITY IS 0.96 ACRES IMPERVIOUS AREA / 2.20 ACRES TOTAL AREA = 44%
- E. SOIL DATA AND QUALITY OF DISCHARGE FROM THE SITE:
- THE EXISTING SOILS PRESENT ARE GRAVELLY LEAN CLAY TO SILTY CLAY WITH SAND. SHALE BEDROCK WAS ALSO ENCOUNTERED UNDERLYING THE NATIVE SOILS.
  - THE EXISTING DISCHARGE FROM THE SITE FLOWS INTO THE BIG WALNUT CREEK.
- F. DESCRIPTION OF PRIOR LAND USES ON THE SITE:
- THE SITE IS LOCATED IN OR NEAR THE BIG WALNUT CREEK FLOOD PLAIN. A PORTION OF THE SITE WAS PREVIOUSLY USED AS AN EXISTING TRAIL.
- G. SEQUENCE OF CONSTRUCTION:
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PLACE THE NECESSARY SEDIMENT FENCE AND DIVERSION SWALES.
  - THE CONSTRUCTION ACCESS DRIVE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.
  - THE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS. DISTURBED AREAS SHALL BE SEEDED WITHIN SEVEN (7) DAYS OF CONSTRUCTION.
  - THE CONTRACTOR SHALL INSTALL PIPE CULVERTS. PROVISIONS FOR INLET PROTECTION SHALL BE PLACED ON ALL STORM INLETS.
  - THE CONTRACTOR SHALL PLACE SEEDING AND MULCHING AS NECESSARY TO RE-ESTABLISH ALL DENUDED AREAS.
  - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR SEEDED/MULCHED WITH GROUNDCOVER ESTABLISHED. AFTER REMOVAL OF THE EROSION CONTROL DEVICES, THE CONTRACTOR SHALL CLEAN ALL INLETS AND STORM SEWER PIPES OF ALL SEDIMENT INCURRED DURING CONSTRUCTION.
- H. BIG WALNUT CREEK, WHICH IN GENERAL IS EAST OF OUR PROPOSED TRAIL, GENERALLY RECEIVES PRE- AND POST-CONSTRUCTION SURFACE RUNOFF FROM OUR SITE.
- I. INDIVIDUAL LOT EROSION CONTROL PRACTICES, IF APPLICABLE: N/A
- J. BEST MANAGEMENT PRACTICES FOR DEDICATED ASPHALT OR CONCRETE PLANTS, IF APPLICABLE: N/A
- K. A COPY OF THE OHIO EPA PERMIT NO: OH000003 SHALL ACCOMPANY THIS PLAN AT ALL TIMES.
- L. SITE MAP CHECKLIST:

- LIMITS OF EARTH-DISTURBING ACTIVITY OF THE SITE, INCLUDING ASSOCIATED OFF-SITE BORROW OR SPOIL AREAS THAT ARE NOT ADDRESSED BY A SEPARATE NOTICE OF INTENT (NOI) AND ASSOCIATED SWP3.
- SOILS TYPES SHOULD BE DEPICTED FOR ALL AREAS OF THE SITE, INCLUDING LOCATIONS OF UNSTABLE OR HIGHLY ERODIBLE SOILS.
- EXISTING AND PROPOSED CONTOURS. A DELINEATION OF DRAINAGE WATERSHEDS EXPECTED DURING AND AFTER MAJOR GRADING ACTIVITIES AS WELL AS THE SIZE OF EACH DRAINAGE WATERSHED, IN ACRES.
- SURFACE WATER LOCATIONS INCLUDING SPRINGS, WETLANDS, STREAMS, LAKES, WATER WELLS, ETC. ON OR WITHIN 200 FEET OF THE SITE, INCLUDING THE BOUNDARIES OF WETLANDS OR STREAM CHANNELS AND FIRST SUBSEQUENT NAMED RECEIVING WATER(S) THE PERMITEE INTENDS TO FILL OR RELOCATE FOR WHICH THE PERMITEE IS SEEKING APPROVAL FROM THE ARMY CORP OF ENGINEERS AND/OR OHIO EPA.
- EXISTING AND PLANNED LOCATIONS OF BUILDING, ROAD, PARKING FACILITIES, AND UTILITIES.
- THE LOCATION OF ALL EROSION AND SEDIMENT CONTROL PRACTICES, INCLUDING THE LOCATION OF AREAS LIKELY TO REQUIRE TEMPORARY STABILIZATION DURING THE COURSE OF SITE DEVELOPMENT.
- SEDIMENT AND STORM WATER MANAGEMENT BASINS NOTING THEIR SEDIMENT SETTLING VOLUME AND CONTRIBUTING DRAINAGE AREA.



## GENERAL EROSION AND SEDIMENT CONTROL NOTES

PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL PROPOSED GRADE IS REACHED ON ANY PORTION OF THE SITE.

ALL DENUDED AREAS SHALL BE CONSTRUCTED TO FINAL PROPOSED GRADE AS QUICKLY AS POSSIBLE AND SHOULD NOT BE LEFT DORMANT UNLESS SITE CONDITIONS DO NOT ALLOW FINAL GRADING TO BE COMPLETED. SOIL STABILIZATION SHALL ALSO BE APPLIED WITHIN 7 DAYS TO DENUDED AREAS WHERE GRADING MAY NOT BE COMPLETE, BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 45 DAYS.

ALL STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE PLACED PRIOR TO STARTING EARTHWORK ACTIVITIES FOR THE PROJECT. FIELD ADJUSTMENTS WITH RESPECT TO LOCATIONS AND DIMENSIONS MAY BE MADE BY THE ENGINEER.

ALL MEASURES SHALL BE MAINTAINED UNTIL ALL CONSTRUCTION UNDER THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED BY THE OWNER.

THE TEMPORARY CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A STATE THAT SHALL PREVENT TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHTS-OF-WAY. REFER TO CONSTRUCTION ENTRANCE DETAIL. ANY MATERIALS SPILLED, DROPPED, OR TRACKED ONTO THE ROADWAY FROM THE CONSTRUCTION SITE SHALL REMOVED IMMEDIATELY.

SEDIMENT BARRIERS SUCH AS SEDIMENT FENCE OR DIVERSIONS TO SETTLING FACILITIES SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW. SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTLING FACILITY.

THE CONTRACTOR SHALL PLACE INLET PROTECTION FOR THE EROSION CONTROL IMMEDIATELY AFTER CONSTRUCTION OF CATCH BASINS OR INLETS WHICH ARE NOT TRIBUTARY TO A SEDIMENT BASIN OR DAM.

THE LIMITS OF SEEDING AND MULCHING WILL EXTEND OVER THE PROJECT AREA IN ACCORDANCE WITH THE LEVEL OF DISTURBANCE ASSOCIATED WITH THE ACTUAL CONSTRUCTION SEQUENCE. ALL AREAS NOT DESIGNATED TO BE SEEDED SHALL REMAIN UNDER NATURAL GROUND COVER. THOSE AREAS DISTURBED OUTSIDE OF THE SEEDING LIMITS SHALL BE SEEDED AND MULCHED AT THE CONTRACTOR'S EXPENSE.

## PERMANENT STABILIZATION

DISTURBED AREAS MUST BE STABILIZED AS SPECIFIED IN THE FOLLOWING TABLES.

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A STREAM AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

"PERMANENT SEEDING" SHALL BE DONE BETWEEN MARCH 1 AND NOVEMBER 1. IF SEEDING IS DONE BETWEEN NOVEMBER 1 AND MARCH 1, IT SHALL BE CLASSIFIED AS "TEMPORARY SEEDING". PERMANENT SEEDING SHALL CONSIST OF FERTILIZING, WATERING AND SEEDING RATES INDICATED UNDER ITEM 659.

RATES OF APPLICATION:  
MARCH 1 TO NOVEMBER 1

SEED:	50% TALL FESCUE	150 LBS./ACRE
	20% CREEPING RED FESCUE	
	10% KENTUCKY BLUEGRASS	
	10% PERENNIAL RYE GRASS	
	10% ANNUAL RYE GRASS	
FERTILIZER (19:19:19)		420 LBS./ACRE
MULCH (STRAW OR HAY)		2 TONS/ACRE

## TEMPORARY STABILIZATION

DISTURBED AREAS MUST BE STABILIZED AS SPECIFIED IN THE FOLLOWING TABLES.

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS WITHIN 50 FEET OF A STREAM AND AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 21 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 21 DAYS BUT LESS THAN ONE YEAR AND NOT WITHIN 50 FEET OF A STREAM	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA
DISTURBED AREAS THAT WILL LATE OVER WINTER	FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S)
	PRIOR TO THE ONSET OF WINTER WEATHER

## INSPECTIONS

THE NPDES PERMIT HOLDER SHALL PROVIDE QUALIFIED PERSONNEL TO CONDUCT SITE INSPECTIONS ENSURING PROPER FUNCTIONALITY OF THE EROSION AND SEDIMENT CONTROLS. ALL EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSPECTED ONCE EVERY SEVEN CALENDAR DAYS OR WITHIN 24 HOURS OF A 1/2 INCH STORM EVENT OR GREATER. RECORDS OF THE SITE INSPECTIONS SHALL BE KEPT AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUIRED.

## MAINTENANCE

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENT CONTROL FEATURES USED ON THIS PROJECT. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED BY THE OWNER'S REPRESENTATIVE WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL TO ASSURE THAT THE MEASURES ARE FUNCTIONING CORRECTLY. ANY SEDIMENT OR DEBRIS WHICH HAS REDUCED THE EFFICIENCY OF A STRUCTURE SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER.

**PROPERTY OWNER**  
CITY OF GAHANNA  
200 SOUTH HAMILTON ROAD  
GAHANNA, OHIO 43230

**DESIGN ENGINEER**  
OHM ADVISORS  
580 N. 4TH STREET, SUITE 630  
COLUMBUS, OH. 43215

**CONTRACTOR**  
TO BE DETERMINED

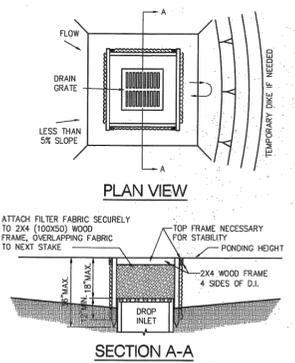
## CONTRACTOR RESPONSIBILITIES

DETAILS HAVE BEEN PROVIDED ON THE PLANS IN AN EFFORT TO HELP THE CONTRACTOR PROVIDE EROSION AND SEDIMENTATION CONTROL. THE DETAILS SHOWN ON THE PLANS SHALL BE CONSIDERED A MINIMUM. ADDITIONAL OR ALTERNATE DETAILS MAY BE FOUND IN THE S.C.S MANUAL "WATER MANAGEMENT AND SEDIMENT CONTROL FOR URBANIZING AREAS." THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. THE SCHEDULE SHOULD INCLUDE A SEQUENCE OF PLACEMENT OF THE SEDIMENTATION AND EROSION CONTROL MEASURES THAT PROVIDES FOR CONTINUAL PROTECTION OF THE SITE THROUGHOUT THE EARTH MOVING ACTIVITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE THE CURRENT STORM WATER POLLUTION PREVENTION PLAN IMMEDIATELY AVAILABLE OR POSTED ON SITE.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE OFF-SITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS MINIMIZED. ALL SUCH OFF-SITE SEDIMENT SHALL BE CLEANED UP DAILY.



## SEDIMENT FENCE NOTES

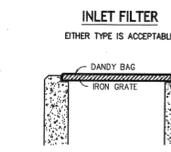
SILT FENCE: THIS SEDIMENT BARRIER UTILIZES STANDARD OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS. IT IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED.

- THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36-INCHES (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE).
- THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POST, WITH A MINIMUM OF A 6 INCH OVERLAP, AND SECURELY SEALED.
- POSTS SHALL BE SPLICED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12-INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
- A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4-INCHES WIDE AND 4-INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1-INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2-INCHES AND SHALL NOT EXTEND MORE THAN 36-INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8-INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXCEED MORE THAN 36-INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSE POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
- THE TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE FILTER FABRIC.
- SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- SILT FENCE AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

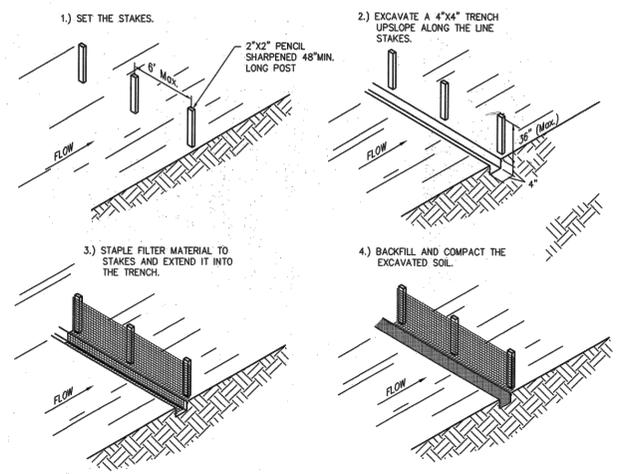
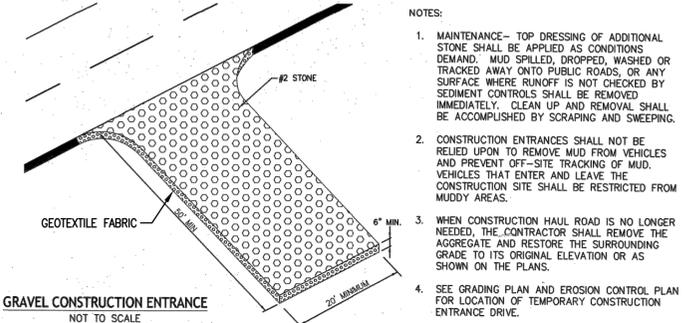
## MAINTENANCE

- SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
- THE MAXIMUM DRAINAGE AREA TO SILT FENCE FOR A PARTICULAR SLOPE RANGE IS PROVIDED IN THE TABLE BELOW. DRAINAGE AREAS THAT EXCEED THE ALLOWABLE RANGE MUST BE DIRECTED TO A BASIN OR SETTLEMENT FACILITY.

MAXIMUM DRAINAGE AREA (IN ACRES) TO 100 LINEAR FEET OF SILT FENCE	RANGE OF SLOPE FOR A PARTICULAR DRAINAGE AREA (IN PERCENT)
0.50 ACRES	< 2%
0.25 ACRES	>2% BUT < 20%
0.125 ACRES	> 20% BUT < 50%



PREFERRED IN PARKING LOT APPLICATION.



DATE	8/13/2015	CAD		ENG/ARCH	DSM	SECTION	TOWN	RANGE	CITY	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	V. NTS	JOB #	VERT. DATUM	HORIZ. DATUM
									CITY OF GAHANNA	FRANKLIN COUNTY				6052140010		

DRAWING PATH: P:\6000\_6100\6052140010\_Big Walnut Trail - Segment 5\road\roadway\sheet\BWT\SS-S&EC.dwg Aug 18, 2015 9:41am

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