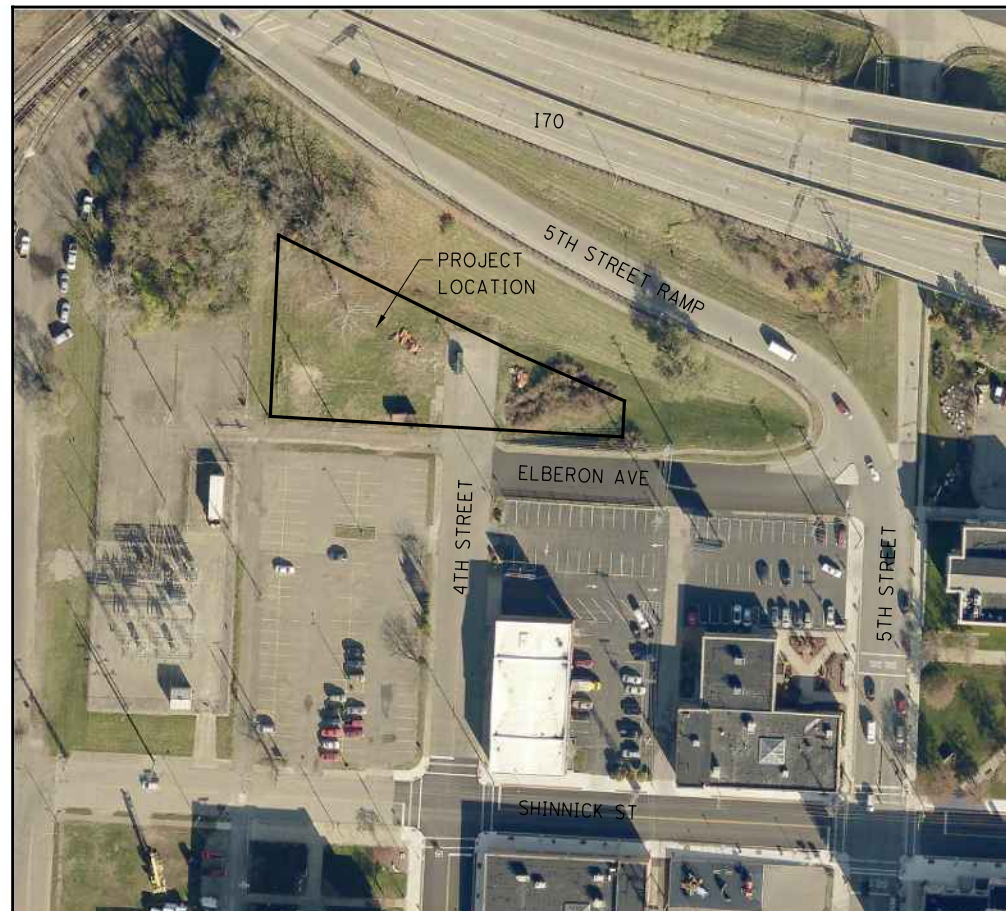


MUSKINGUM COUNTY PARKING LOT IMPROVEMENT

CITY OF ZANESVILLE
MUSKINGUM COUNTY

VICINITY MAP



INDEX OF SHEETS:	
TITLE SHEET	1
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155 Rehl Road
Zanesville, Ohio 43701
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Muskingum
County
ENGINEER'S OFFICE

PREPARED BY:

MUSKINGUM COUNTY PARKING LOT IMPROVEMENT

PROJECT NAME:

PLANS APPROVED BY:

MJE

PLANS PREPARED BY:

SEJ

DATE:

8-6-19

REVISED:

SHEET SIZE:

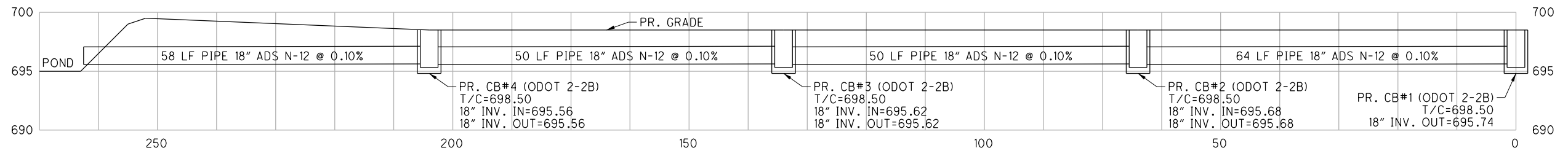
11" x 17"

SHEET NAME:

SITE PLAN

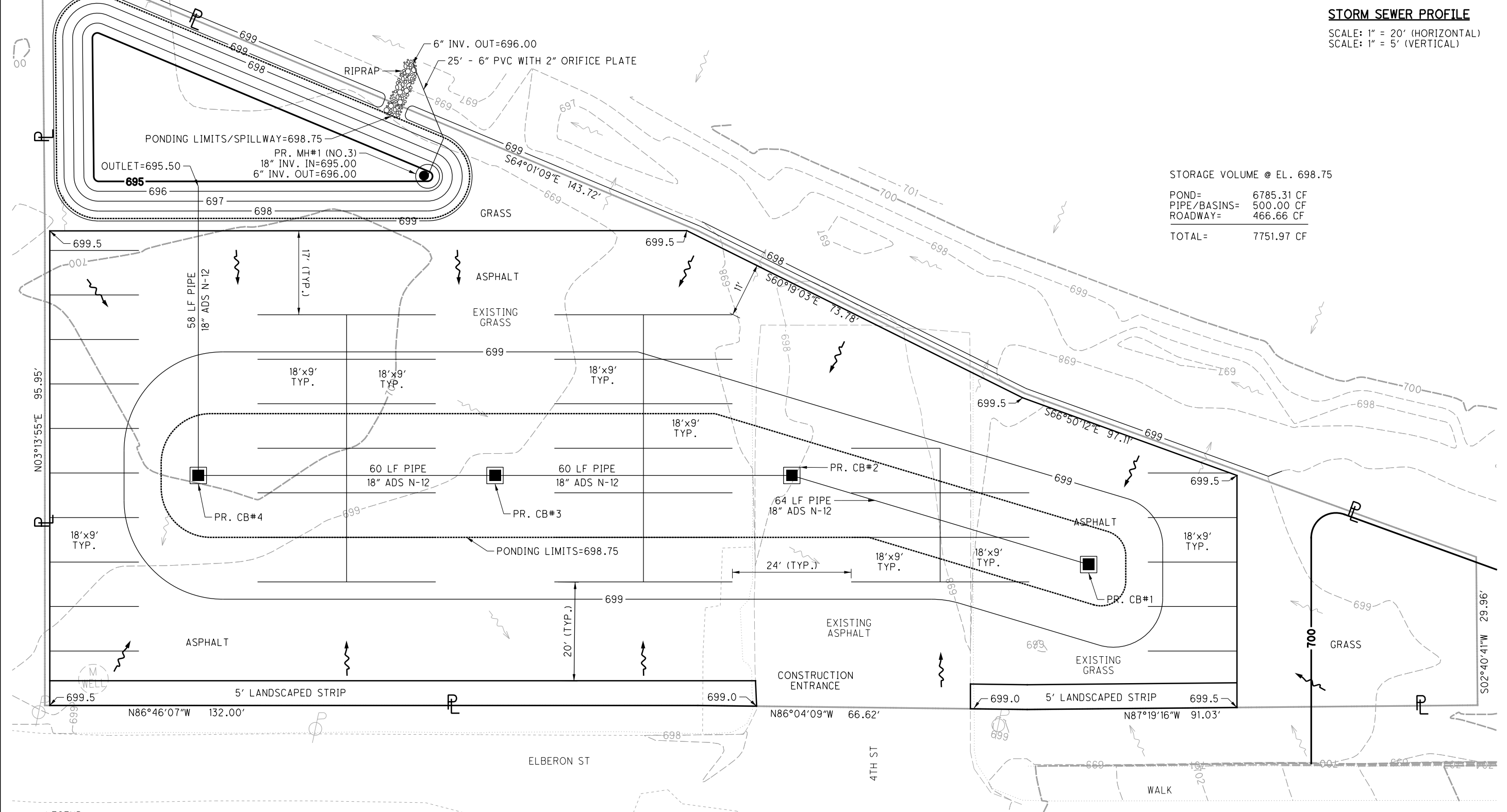
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3



STORAGE VOLUME @ EL. 698.75

POND=	6785.31 CF
PIPE/BASINS=	500.00 CF
ROADWAY=	466.66 CF
TOTAL=	7751.97 CF



SITE PLAN
 SCALE: 1" = 20'

ADDITIONAL GENERAL NOTES

SURVEYING:
THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASE OF WILLFUL OR CARELESS DESTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTling OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR, AS APPROVED BY THE ENGINEER.

RESTORATION AND DAILY/FINAL CLEANUP:
THE CONTRACTOR SHALL REMOVE ALL DEBRIS, RUBBLE, SPOILS, AND CONSTRUCTION MATERIALS FROM THE ADJACENT STREETS. ALLEYS AND/OR DRIVES AND LEAVE THE SITE IN A NEAT AND ORDERLY MANNER AT THE END OF EACH DAY. IF THE CONSTRUCTION OPERATIONS ENCOUNTER MUDDY CONDITIONS, MUD SHALL NOT BE ALLOWED TO ACCUMULATE IN THE STREETS. AFFECTED STREETS, ALLEYS, AND/OR DRIVES SHALL BE SWEEPED ON A REGULAR BASIS EITHER WITH THE USE OF EQUIPMENT OR BY HAND. THE ACCUMULATED DEBRIS SHALL BE DISPOSED OF IN A PROPER AND LEGAL MANNER.

MINIMUM COVER OVER PIPE:
ALL WATER LINES AND SANITARY PIPES SHALL BE PLACED AT A MINIMUM DEPTH OF 4.5 FEET MEASURED FROM THE TOP OF FINISHED GRADE TO THE TOP OF THE PIPES. STORM SEWER PIPES SHALL HAVE A MINIMUM COVER OF 2 FEET.

BEDDING:
ALL BEDDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH ODOT 603.08, EXCEPT AS MODIFIED IN THE TYPICAL PIPE TRENCH DETAILS.

BACKFILL:
ALL BACKFILL SHALL BE CONSTRUCTED IN ACCORDANCE WITH ODOT 603.08, EXCEPT AS MODIFIED IN THE TYPICAL PIPE TRENCH DETAILS.

EXCAVATION:
ALL EXISTING PAVEMENTS, INCLUDING DRIVEWAYS, SHALL BE SAW CUT BY THE CONTRACTOR. TRENCHES SHALL BE EXCAVATED TO A WIDTH THAT WILL ALLOW FOR PROPER JOINTING OF THE CONDUIT AND THOROUGH COMPACTION OF THE BEDDING AND BACKFILL.

EXISTING SEWERS:
EXISTING SANITARY FLOWS SHALL BE MAINTAINED AT ALL TIMES. COST FOR PUMPING AND BYPASSING SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE FOR THE RELATED ITEMS.

MANHOLES:
ALL MANHOLES MUST BE TESTED PER ASTM C1244.

THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR POSSIBLE ADJUSTMENT OF MANHOLE LIDS AND SHALL RECEIVE NO ADDITIONAL PAYMENT.

THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR TO MAKE CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED.

DUST CONTROL:
THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL PRACTICES IN ACCORDANCE WITH ODOT ITEM 616 THROUGHOUT THE CONSTRUCTION PROCESS.

EROSION CONTROL

GENERAL LAND CONSERVATION NOTES:
THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER RUNOFF LEAVES THE PROJECT, INCLUDING WATERWAYS, OVERLAND SHEET FLOW AND STORM SEWERS.

ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: HAY OR STRAW BALES, SILT FILTER FENCE, TEMPORARY SEDIMENT PONDS, TEMPORARY SUMPS, AND TEMPORARY GROUND COVER.

NO DISTURBED AREA WILL BE STRIPPED FOR MORE THAN 30 DAYS IF IT IS TO REMAIN DORMANT FOR MORE THAN 45 DAYS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.

ALL STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.

MINIMIZE OFF-SITE SEDIMENT TRACKING BY INSTALLING GRAVEL CONSTRUCTION ENTRANCES. SEDIMENT SHALL NOT BE ALLOWED TO ACCUMULATE IN THE STREETS. AFFECTED STREETS, ALLEYS AND/OR DRIVES SHALL BE SWEEPED ON A REGULAR BASIS EITHER WITH THE USE OF EQUIPMENT OR BY HAND. THE ACCUMULATED DEBRIS SHALL BE DISPOSED OF IN A PROPER AND LEGAL MANNER.

AT THE COMPLETION OF CONSTRUCTION, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL STRIPPED AREAS SHALL BE STABILIZED.

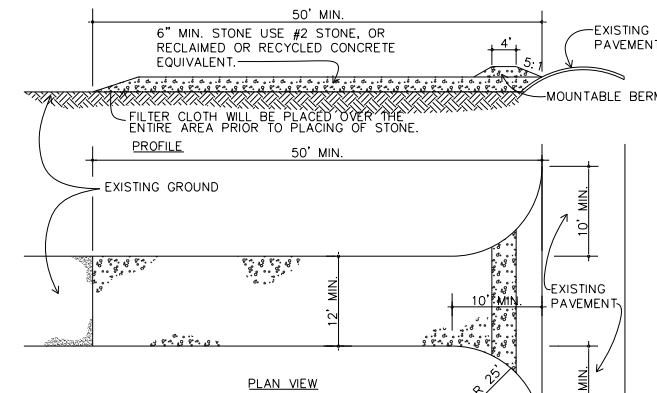
MAINTENANCE NOTES:
ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED BY THE OWNER'S REPRESENTATIVE WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL TO INSURE THAT THE MEASURES ARE FUNCTIONING ADEQUATELY.

SEEDING AND MULCHING:
THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO ACCOMPLISH BOTH TEMPORARY AND PERMANENT SEEDING. ALL AREAS WITHIN THE WORK LIMITS IDENTIFIED AS "GRASS" SHALL BE PERMANENTLY SEEDED AND MULCHED IF DISTURBED BY CONSTRUCTION ACTIVITIES.

ALL NON-IMPERVIOUS AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED AND MULCHED, OR SODDED.

GENERAL NOTES

- ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH STATE AND LOCAL SOIL EROSION CONTROL AND CONSERVATION STANDARDS. ADDITIONAL MEASURES TO PREVENT / CONTROL SOIL SEDIMENTATION OR EROSION MAY BE REQUIRED DUE TO SITE CONSIDERATIONS WITHIN THE BOUNDARY LIMITS AND DOWNSTREAM.
- PRIOR TO DEVELOPMENT, PERIMETER SHALL BE CLEARLY MARKED AND ALL SOIL DISTURBANCE TO BE CONTAINED WITHIN. OFF SITE WORK MAY BE NECESSARY DUE TO ACTUAL SITE SLOPE OR DRAINAGE REQUIREMENTS ALL CONTROL MEASURES MUST CONFORM TO SITE STANDARDS.
- ALL POINTS OF SITE INGRESS AND EGRESS TO BE CONSTRUCTED PRIOR TO ANY OTHER DEVELOPMENT. THEY MUST BE STABILIZED AND INCLUDE SOIL EROSION / SEDIMENTATION CONTROL MEASURES IN ORDER TO PREVENT TRACKING AND SILTING OF MUD INTO PUBLIC RIGHT OF WAY. ANY MATERIALS DEPOSITED FROM SITE ONTO PUBLIC ROADWAYS OR DRAINAGE AREAS TO BE IMMEDIATELY REMOVED.
- ALL STORM DRAIN AND SANITARY SEWER TRENCHES NOT IN PAVED AREAS ARE TO BE MULCHED AND/OR SEEDED WITHIN 14 DAYS AFTER INITIAL BACKFILL.
- DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.
- AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY MULCHED AND/OR SODDED.
- FOLLOWING INITIAL SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THIS DOES NOT APPLY TO THOSE AREAS WHICH ARE SHOWN ON THE PLAN AND ARE CURRENTLY BEING USED FOR MATERIAL STORAGE OR FOR THOSE AREAS ON WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF GOVERNING AUTHORITIES.



STABILIZED CONSTRUCTION ENTRANCE

- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD 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 OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. 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.
- BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.

EROSION AND SEDIMENT CONTROLS TO CONFORM TO ODNR RAINWATER AND LAND DEVELOPMENT MANUAL

TEMPORARY SEEDING NOTES

WHERE TEMPORARY SEEDING IS REQUIRED OR NECESSARY THE FOLLOWING NOTES SHALL GOVERN:

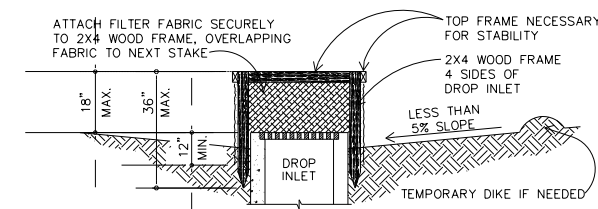
- SCOPE: PLANTING SHORT TERM VEGETATION TO STABILIZE CLEARED OR GRADED AREAS SUBJECT TO EROSION FOR A PERIOD OF 14 DAYS.
- STANDARDS: TEMPORARY SEEDING SHALL CONFORM TO ALL REQUIREMENTS OF GOVERNING STATE AND LOCAL SOIL AND EROSION CONTROL AND CONSERVATION AUTHORITIES.
- SEDIMENT AND EROSION CONTROL: ALL PERIMETER CONTROLS MUST BE STABILIZED IN 7 DAYS. ALL INTERIOR CONTROLS MUST BE STABILIZED IN 14 DAYS.

SPECIFICATIONS

- SITE PREPARATION
 - PRIOR TO SEEDING, INSTALL ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES.
 - FINAL GRADING NOT REQUIRED FOR TEMPORARY SEEDING.
- SOIL AMENDMENTS
 - FERTILIZERS SHALL BE APPLIED AT A RATE OF 600 LBS./ACRE USING 10-10-10 OR EQUIVALENT.
 - ACID SOIL SHALL BE LIMED.
- SEEDBED PREPARATION
 - SOIL SHALL BE LOOSENED TO A DEPTH OF 4 INCHES BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS PRIOR TO SEEDING.
- SEEDING
 - SEED TO BE ANNUAL RYEGRASS (LOLIUM MUTIFLORUM) APPLIED AT A RATE OF 10.0 LBS./1000 SQ. YDS.
 - APPLY SEED UNIFORMLY WITH CYCLONE SEEDER DRILL, CULTIPACKER, OR HYDROSEEDER. NOTE: IF HYDROSEEDING IS USED, THE SEED, FERTILIZER AND MULCH WILL BE MIXED ON SITE AND SEEDING SHALL BE IMMEDIATE WITHOUT INTERRUPTION.
- MULCHING
 - STRAW SHALL BE APPLIED IMMEDIATELY AFTER SEEDING.

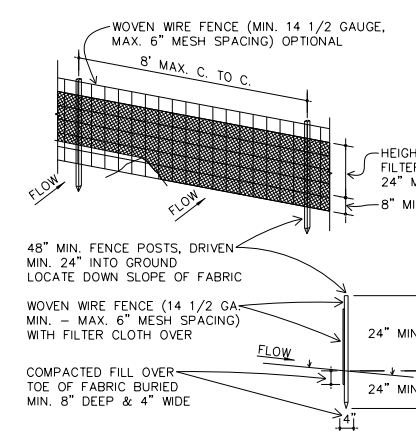
CONSTRUCTION SEQUENCE

- FLAG ALL WORK LIMITS.
- NOTIFY SEDIMENT CONTROL INSPECTOR (24) HOURS PRIOR TO START OF CONSTRUCTION.
- IDENTIFY AND PROTECT ALL EXISTING VEGETATION TO BE SAVED
- PERFORM CLEARING AND GRADING REQUIRED FOR INSTALLATION OF PERIMETER CONTROLS.
- INSTALL PERIMETER RUNOFF CONTROLS; NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL BEFORE PROCEEDING FURTHER.
- COMPLETE ALL REQUIRED STOCKPILING, SITE CLEARING AND GRADING.
- CONSTRUCT PARKING LOT BASE, BUILDING FOUNDATION AND INSTALL SITE UTILITIES.
- INSTALL STORM DRAINAGE PROTECTION.
- WEATHER IN BUILDING.
- COMPLETE PARKING LOT CONSTRUCTION.
- COMPLETE FINAL GRADING, STABILIZATION, AND LANDSCAPING.
- NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL TO REMOVE SEDIMENT AND EROSION CONTROL.



NOTES:

- DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%).
- USE 2"x4" WOOD OR EQUIVALENT METAL STAKES, 3' MINIMUM LENGTH.
- INSTALL 2"x4" WOOD TOP FRAME TO INSURE STABILITY.
- THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.
- MAINTAIN WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH EVENT.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OR FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY (6) INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER "I" OR "U" TYPE OR 4" HARDWOOD
POSTS: LOCATED MAXIMUM 8' C. C.
FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING

FILTER CLOTH: FILTER X, MIRAFI 100X, STABI-LINKA T140N OR APPROVED EQUAL.

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.
- WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER 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.

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155 Rehl Road
Zanesville, Ohio 43701
Muskingum County ENGINEER'S OFFICE

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11" x 17"

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