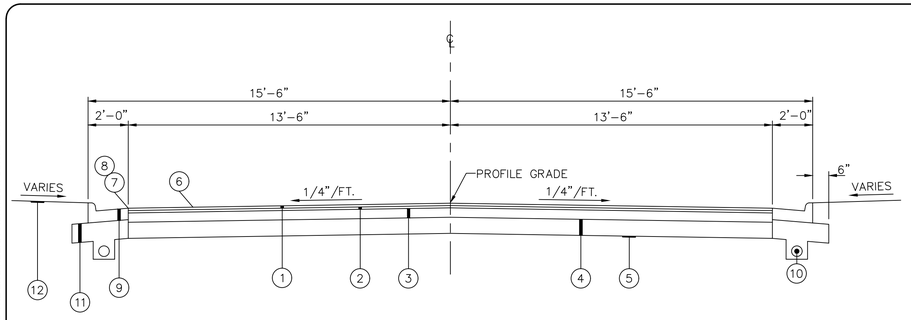
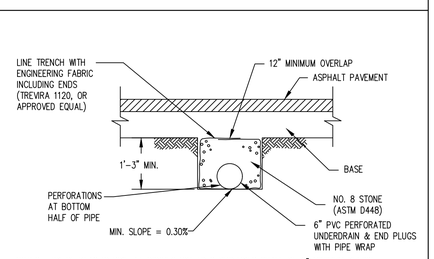


TYPICAL ROADWAY SECTION
ENTRANCE DRIVE
NOT TO SCALE

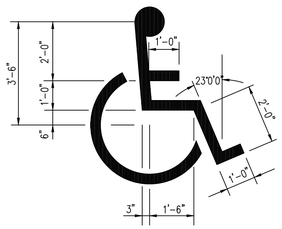
SECTION LEGEND

1. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG70-22
2. 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448)
3. 6" ITEM 301, ASPHALT CONCRETE BASE
4. 9" ITEM 304, AGGREGATE BASE
5. ITEM 204, SUBGRADE COMPACTION
6. ITEM 1540, ASPHALT REJUVENATING AGENT
7. ITEM 407, TACK COAT (FACE OF CURB PRIOR TO PAVING)
8. ITEM 423, CRACK SEALING, TYPE I (EDGE JOINTS)
9. SPECIAL 8" CONCRETE COMBINED CURB AND GUTTER
10. 4" PIPE UNDERDRAIN
11. NO. 57 AGGREGATE
12. ITEM 659 SEEDING AND MULCHING

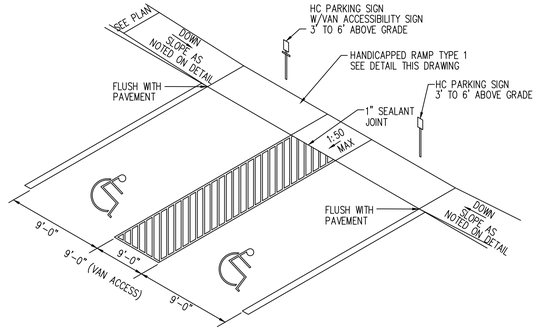


NOTES: TOP OF PLASTIC PIPE AT CONNECTION TO STRUCTURES SHALL BE 6" MINIMUM BELOW TOP OF PRECAST CONCRETE SECTION AND SHALL BE FITTED WITH A WATERSTOP (FERNCO, OR APPROVED EQUAL) AND MORTARED IN PLACE WITH NON-SHRINK GROUT, OR CONNECTED BY USE OF A WATERPROOF BOOT (KOR-N-SEAL, LINK-SEAL OR APPROVED EQUAL) 4" OR 6"; PVC OR PE; IF PE USE ADAPTER AND WATERSTOP AT STRUCTURE; PE WITH "SOCK"

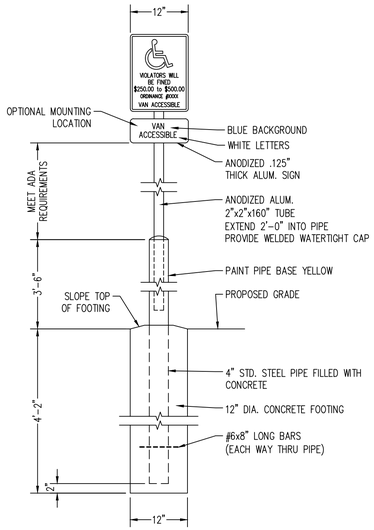
FINGERDRAIN DETAIL
NO SCALE



PAINTED HANDICAP SYMBOL
SCALE: NONE



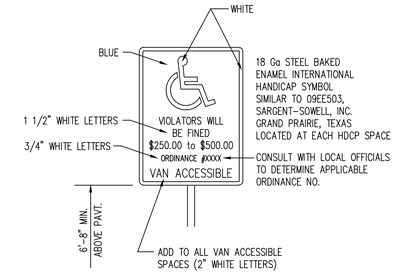
HANDICAP PARKING DETAIL
NO SCALE



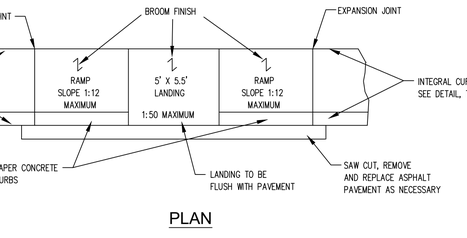
HANDICAP PARKING SIGN
NOT TO SCALE

HANDICAPPED PARKING SIGNS

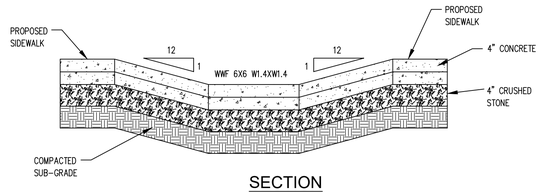
1. **Provide 1 sign for each accessible parking space.**
2. **Mount signs on posts and locate out of accessible route of travel, centered on each parking space**
3. **The minimum height of signs is 80 inches above grade.**
4. **The minimum sign size is 12 inches wide by 18 inches high.**
5. **If the universal parking space design is not used, an additional sign will be required at each van accessible space to read "Van Accessible." See Detail.**
6. **All signage and pavement markings should be in accordance with the Manual of Uniform Traffic Control Devices.**
7. **6"x12", 18 gauge steel sign with lettering "Maximum Penalty $500".**
8. **Use materials with a high recycled content.**
9. **Minimum 12 inch, x 18 inch x 18 gal. cold rolled galvanized steel, treated for a baked enamel finish. Colors, text and design as shown on details.**
10. **Sign shall be mounted on a single 2 inch square steel post with painted enamel finish. Post shall be supported by a cast in place concrete base weighing 300 lb. See details.**
11. **Signs shall be set plumb and level. Touch-up any abrasions to finish. Completely clean signs of all foreign matter.**



HANDICAP PARKING SIGN DETAIL
NO SCALE

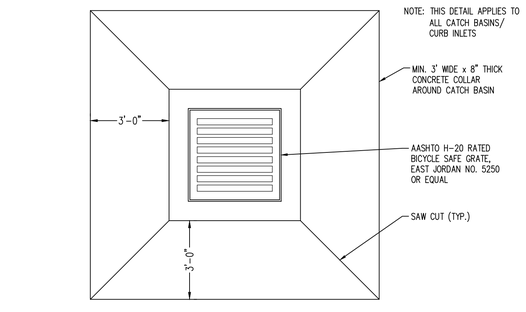


PLAN



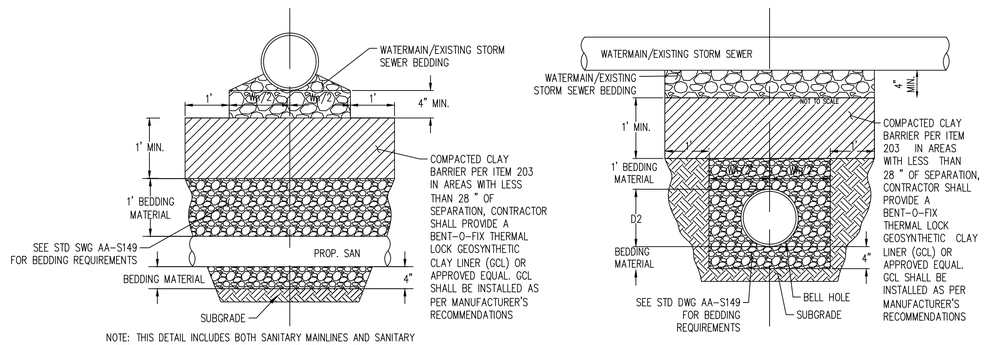
SECTION

SIDEWALK RAMP - TYPE 1 (HANDICAP) DETAIL
NO SCALE



NOTES:
1. PRECAST 6" CONCRETE BASIN MAY BE USED IN PLACE OF BLOCK.
2. CATCH BASIN TO BE PLASTERED INSIDE AND OUT.

CATCH BASIN DETAIL
NOT TO SCALE



NOTE: THIS DETAIL INCLUDES BOTH SANITARY MAINLINES AND SANITARY LATERALS THAT ARE CROSSED BY STORM SEWERS OR WATERMAINS

STORM SEWER SHALL BE WATER TIGHT FROM STRUCTURE TO STRUCTURE WHEN CROSSING SANITARY SEWERS

FLEXIBLE SEWER PIPE *INCHES

D *	Wn *
6	30
8	30
10	30
12	32
15	36
18	40
21	44

D *	Wn *
24	48
27	52
30	56
36	64
42	72
48	80

RIGID SEWER PIPE *INCHES

D *	Wn *
6	24
8	27
10	30
12	32
15	36
18	40
21	44
24	48

D *	Wn *
27	52
30	57
33	61
36	64
42	71
48	78
54	87
60	96

M	Wn *
66	105
72	116
78	123
84	130
90	136
96	143
102	151
108	160

ANTI INFILTRATION AND INFLOW BARRIER DETAIL
NOT TO SCALE

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REV.	DATE	DESCRIPTION
	2/3/23	VILLAGE SUBMITTAL

POGGEMEYER DESIGN GROUP
A KLEINFELDER COMPANY
1168 NORTH MAIN STREET
BOWLING GREEN, OH 43402
PH: (419) 352-7537

DHL SUPPLY CHAIN
ASHVILLE LOGISTICS PARK
ASHVILLE, OHIO

DETAIL SHEET

DRAWN BY	CHECKED BY
MEK	KAM

STATE OF OHIO
KENNETH A MAAG
53316
REGISTERED PROFESSIONAL ENGINEER

11
DATE
09/13/2022
PROJECT NUMBER
20224880.001A

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FILE No. I:\Kleinfelder Projects 2022\DHL-Ashville-Leatherwood - 20224880.001A\DHL NOTES AND DETAILS-20224880.001A.dwg 02/02/23 10:36-MKemer

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FILE No. L:\Kleinfelder Projects 2022\DHL-Ashville-Leatherwood - 20224880.001A\DHL NOTES AND DETAILS-20224880.001A.dwg 02/02/23 10:36-MKremer

GENERAL NOTES

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE WHEN COMPLETED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE PROCEDURES FOR ERECTION AND CONSTRUCTION SEQUENCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING AND ITS OCCUPANTS THROUGHOUT CONSTRUCTION.
2. SHOP DRAWINGS REVIEWED BY THE CONTRACTOR AND STAMPED INDICATING APPROVAL SHALL BE SUBMITTED TO THE ENGINEER OF RECORD (EOR) FOR REVIEW PRIOR TO FABRICATION DETAILING ALL NECESSARY COMPONENTS. REPRODUCTIONS OF THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED WITHOUT PRIOR PERMISSION FROM THE EOR.
3. FIELD VERIFY ALL EXISTING CONDITIONS. NOTIFY EOR OF ANY DISCREPANCIES BEFORE START OF WORK.

JOB SITE SAFETY

1. THE ENGINEER AND/OR ARCHITECT HAVE NOT BEEN RETAINED OR COMPENSATED TO PROVIDE DESIGN AND/OR CONSTRUCTION REVIEW SERVICES RELATED TO THE CONTRACTOR'S SAFETY PRECAUTIONS OR TO MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR THE CONTRACTOR TO PERFORM HIS WORK. THE UNDERSTANDING OF PERIODIC SITE VISITS BY THE ENGINEER SHALL NOT BE CONSTRUED AS SUPERVISION OF ACTUAL CONSTRUCTION NOR MAKE HIM RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR, SUBCONTRACTORS, SUPPLIERS OR THEIR EMPLOYEES, OR FOR ACCESS VISITS, USE, WORK, TRAVEL OR OCCUPANCY BY ANY PERSON.

FOUNDATIONS AND EARTHWORK

1. CONTRACTOR SHALL ADHERE TO RECOMMENDATIONS FOR SUBGRADE PREPARATIONS AND EARTHWORK, SLABS-ON-GRADE, PAVEMENTS, FOUNDATIONS AND ALL CONSTRUCTION CONSIDERATIONS AND GEOTECHNICAL CONDITIONS DISCLOSED BY THE GEOTECHNICAL REPORT AND BORINGS IF APPLICABLE.
2. FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL PROVIDING A PRESUMED LATERAL BEARING CAPACITY OF:
   150 psf/ft (MIN.) LIGHT POLE BASES
   MATERIAL AT BEARING ELEVATIONS WHICH DOES NOT CONFORM WITH THESE REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE A/E FOR REVIEW AND DETERMINATION.
3. BASED ON LOCAL CODE REQUIREMENTS, THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 3'-6" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.
4. UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS FOUNDATIONS SHALL EXTEND BELOW LOCAL FROST DEPTHS. FOUNDATIONS SHOWN FOR PRE-ENGINEERED METAL BUILDING SYSTEMS ARE PRELIMINARY IN NATURE AND ARE SUBJECT TO REVIEW AND POSSIBLE CHANGE BASED ON LOADS PROVIDED BY BUILDING SUPPLIER. SEE PRE-ENGINEERED METAL BUILDING NOTES.
5. DIMENSIONS AND LOCATIONS OF EXISTING FOUNDATIONS, UNDERGROUND UTILITIES, AND OTHER OBSTRUCTIONS HAVE BEEN DEVELOPED FROM OWNER'S DRAWINGS OF RECORD AND/OR OBSERVATIONS IN THE FIELD. THE CONTRACTOR SHALL EXCAVATE WITH CARE AND VERIFY ALL FIELD ASSOCIATED DIMENSIONS, TOLERANCES AND ELEVATIONS WHILE EXCAVATING AND PRIOR TO CASTING CONCRETE. ANY DISCREPANCIES MUST BE REPORTED TO DESIGN ENGINEER IMMEDIATELY.
6. ALLOW FOR ONE #5 BAR TO BE USED IN CONJUNCTION WITH BUILDING GROUNDING/BONDING SYSTEM. VERIFY LOCATION AND OTHER REQUIREMENTS W/ ELECTRICAL.

CONCRETE

1. DESIGN, FURNISH, AND PLACE CONCRETE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI).
2. UNLESS NOTED OR SPECIFIED OTHERWISE, CONCRETE SHALL HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTH:

LOCATION	MIN. f'c (psi)	TEST AGE (DAYS)	MAX. W/C RATIO	AIR CONTENT	MAX. SIZE AGGREGATE (IN.)	NOTES
EXTERIOR EXPOSED CONCRETE	4,500	28	0.45	6%	1.0	–

   A. FLY ASH AND/OR GROUND GRANULATED BLAST FURNACE SLAG MAY BE ADDED TO ANY OF THE MIX DESIGNS SPECIFIED. MAXIMUM FLY ASH AND/OR SLAG ADDED SHALL NOT EXCEED 25% OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS.
   B. AIR CONTENT TOLERANCE SHALL BE ±1½% AND SHALL BE MEASURED AT THE POINT OF PLACEMENT (AFTER PUMPING IF APPLICABLE). ALL CONCRETE EXPOSED TO THE WEATHER SHALL HAVE AN APPROVED ADMIXTURE TO ENTRAIN AIR. CONCRETE THAT MAY BECOME SUBJECT TO FREEZE/THAW CONDITIONS DURING CONSTRUCTION SHALL BE AIR ENTRAINED. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO TO ASTM C260.
   C. WATER/CEMENT (W/C) RATIO SHALL BE BASED ON THE TOTAL CEMENTITIOUS MATERIAL. CEMENTITIOUS MATERIALS INCLUDE CEMENT, FLY ASH, SILICA FUME AND BLAST FURNACE SLAG.
3. ALL CONCRETE SHALL BE NORMAL WEIGHT WITH STANDARD AGGREGATES IN CONFORMANCE WITH ASTM C33.
4. SLUMP SHALL BE LIMITED TO 3" MINIMUM AND 5" MAXIMUM AS DETERMINED IN ACCORDANCE WITH ASTM C143.
5. SLUMP SHALL BE DETERMINED BY THE CONTRACTOR. THE MIX DESIGN SHALL INDICATE THE SLUMP AND IT SHALL BE MEASURED AT THE JOBSITE WITH A TOLERANCE OF +1". A SLUMP INCREASE OF 2" MAY BE ACHIEVED BY USING APPROVED ADMIXTURES. DO NOT ADD WATER TO THE MIX UNLESS SPECIFICALLY ALLOWED BY THE MIX DESIGN. TOTAL WATER (BATCH AND SITE ADDED) SHALL NOT EXCEED THE WATER IN THE APPROVED MIX DESIGN.
6. ACCELERATED SET OR HIGH EARLY STRENGTH MAY BE ACHIEVED BY USING APPROVED ADMIXTURES. ALL ADMIXTURES SHALL BE CHLORIDE FREE.
7. CHLORIDE BASED ADMIXTURES ARE PROHIBITED. AIR-ENTRAINING ADMIXTURES SHALL CONFORM WITH ASTM C260, ALL OTHER ADMIXTURES SHALL CONFORM WITH ASTM C494.
8. COLD WEATHER CONCRETING SHALL CONFORM TO ACI 306 AND HOT WEATHER CONCRETE SHALL CONFORM TO ACI 305.
9. CONCRETE FINISH SHALL BE HARD TOWELED UNLESS OTHERWISE NOTED. A ROUGH BROOM FINISH SHALL BE USED ON EXTERIOR WALKING SURFACES.
10. PROVIDE A 1" NOMINAL CHAMFER AT ALL EXPOSED CORNERS OF BEAMS, COLUMNS, AND WALLS.
11. PROVIDE CORROSION RESISTANT ACCESSORIES SUCH AS GRAY PLASTIC CHAIRS OR CHAIRS WITH GRAY PLASTIC COATED TIPS IN ALL EXPOSED CONCRETE CONSTRUCTION. PRE-CAST CONCRETE CUBES OR SAND PLATE CHAIRS SHALL BE USED FOR THE SUPPORT OF REINFORCING ON GRADE (MASONRY BRICK NOT ALLOWED FOR SLABS ON GRADE).
12. NON-SHRINK GROUT SHALL BE CEMENT BASED AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF f'_c = 5,000psi AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C109

REINFORCING STEEL

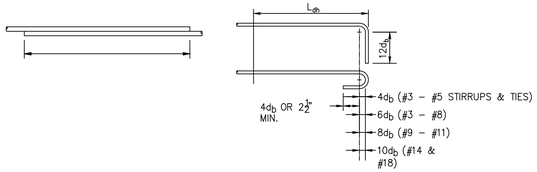
1. REINFORCING STEEL SHALL BE GRADE 60 (60,000 PSI YIELD) DEFORMED BAR CONFORMING TO A615.
2. EPOXY COATED REINFORCING IS NOT PERMITTED WITHOUT WRITTEN PERMISSION OF ENGINEER OF RECORD.
3. DESIGN, DETAIL, FABRICATE, AND ERECT REINFORCING STEEL ACCORDING TO THE LATEST ACI AND CRSI SPECIFICATIONS.
4. ALL REINFORCING MUST BE SECURELY TIED TO MAINTAIN PROPER COVER, SPACING, AND CLEARANCES. TIE WIRE SHALL CONFORM TO FEDERAL SPECIFICATION QQ-W-461 BLACK ANNEALED STEEL, 16 GAUGE MINIMUM.
5. WELDING OF REINFORCING IS NOT PERMITTED.
6. AT THE TIME OF CONCRETE PLACEMENT, REINFORCING STEEL SHALL BE CLEAN AND FREE OF ALL SCALE, OIL, DIRT, MUD, FORM RELEASE AGENT, OR ANY OTHER SUBSTANCE WHICH MAY INTERFERE WITH CONCRETE BOND.
7. HEATING OF REINFORCING IS NOT PERMITTED; ALL BENDS SHALL BE MADE COLD. MINIMUM BENDING RADII SHALL CONFORM TO THE CHART AND DRAWING BELOW (d_b = BAR DIAMETER).
8. STAGGER ALL SPLICES. SPLICE LENGTHS SHALL CONFORM TO THE CHART BELOW. MINIMUM SPLICE LENGTHS FOR TOP REINFORCING (GREATER THAN 12" OF CONCRETE BELOW HORIZONTAL REINFORCING) SHALL BE 30% LONGER THAN VALUES STATED IN CHART. REFER TO ACI 318 FOR WWF SPLICES.
9. UNLESS NOTED OTHERWISE ON THE DRAWINGS, MINIMUM COVER SHALL CONFORM WITH THE CHART BELOW:

MINIMUM DEVELOPMENT LENGTH (L_d), CLASS "B" LAP SPLICE LENGTH & HOOK LENGTH (L_{dh})(in.) (U.N.O)

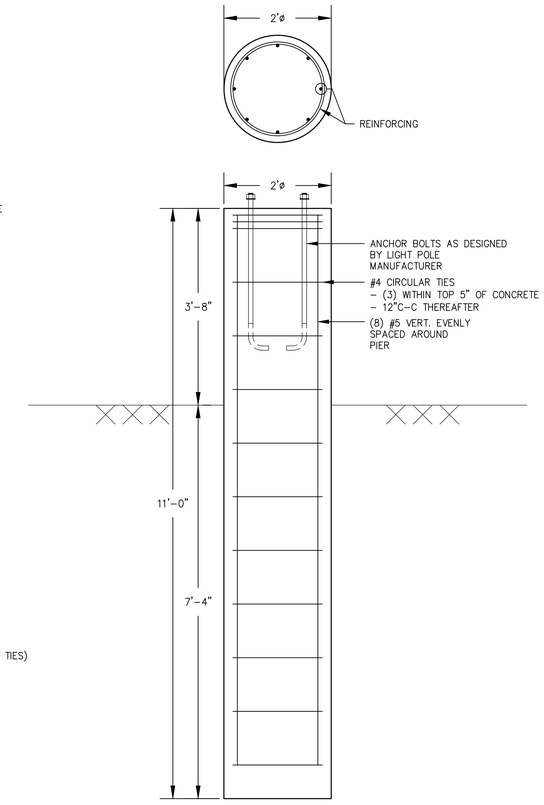
f'_c	3,000 psi			4,000 psi			4,500 psi		
BAR #	L_d	"B"	L_{dh}	L_d	"B"	L_{dh}	L_d	"B"	L_{dh}
3	16.5	21.5	8.5	14.5	18.5	7.5	13.5	17.5	7.0
4	22.0	28.5	11.0	19.0	25.0	9.5	18.0	23.5	9.0
5	27.5	36.0	14.0	24.0	31.0	12.0	22.5	29.0	11.5
6	33.0	43.0	16.5	28.5	37.0	14.5	27.0	35.0	13.5
7	48.0	62.5	19.5	41.5	54.0	17.0	39.5	51.0	16.0
8	55.0	71.5	22.0	47.5	62.0	19.0	45.0	58.5	18.0
9	62.0	80.5	25.0	53.5	69.5	21.5	50.5	66.0	20.5
10	70.0	90.5	28.0	60.5	78.5	24.5	57.0	74.0	23.0
11	77.5	100.5	31.0	67.0	87.0	27.0	63.0	82.0	25.5
14	93.0	NA	37.0	80.5	NA	32.5	76.0	NA	30.5
18	124.0	NA	49.5	107.0	NA	43.0	101.0	NA	40.5

f'_m	1,500 psi		2,000 psi	
BAR #	L_d	L_{dh}	L_d	L_{dh}
3	12.0	7.5	12.0	7.5
4	14.5	8.0	12.5	6.0
5	22.5	14.5	19.5	11.5
6	43.0	33.5	37.5	27.5
7	59.5	48.0	51.5	40.0
8	91.5	78.5	79.0	66.0
9	118.5	104.0	102.5	88.0
10	153.5	137.0	133.0	116.5
11	193.5	175.0	167.5	149.5

MASONRY
NOTE: LAP LENGTH FOR MASONRY = L_d

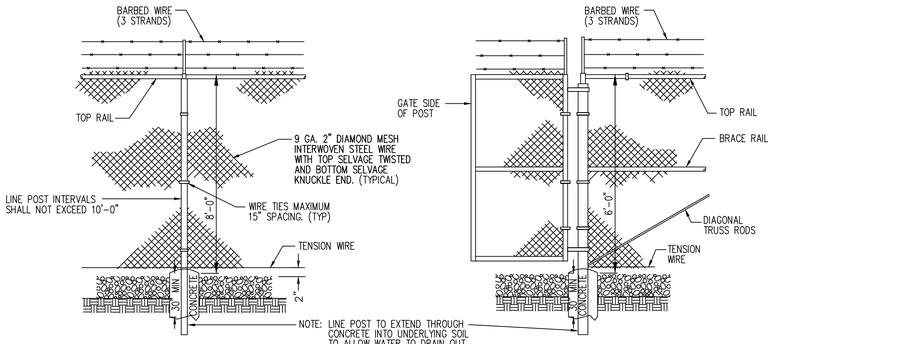


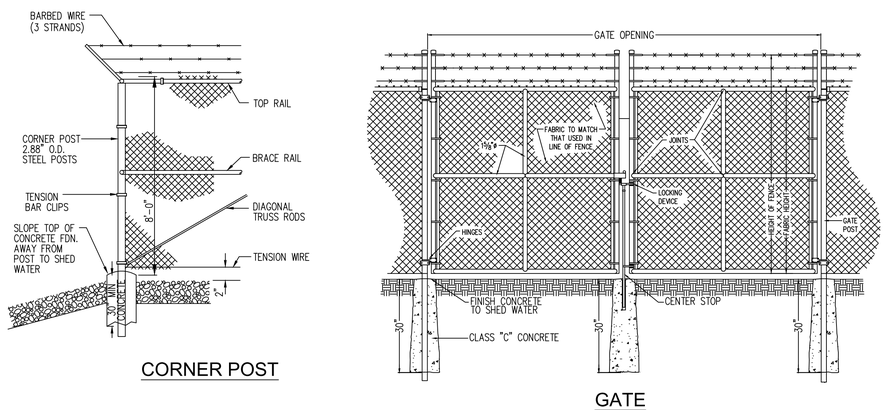
CONCRETE REINFORCING PLACEMENT CONDITION	MINIMUM COVER, IN
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
#5 AND SMALLER-FORMED, BUT EXPOSED TO EARTH OR WEATHER	1-1/2
#6 AND GREATER-FORMED, BUT EXPOSED TO EARTH OR WEATHER	2
#11 AND SMALLER-NOT EXPOSED TO EARTH OR WEATHER	3/4
#14 AND #18-NOT EXPOSED TO EARTH OR WEATHER	1-1/2
BEAM AND COLUMN TIES, STIRRUPS, AND PRIMARY REINFORCING	1-1/2
#5 AND SMALLER-SHELLS AND FOLDED PLATE MEMBERS	1/2
#6 AND LARGER-SHELLS AND FOLDED PLATE MEMBERS	3/4



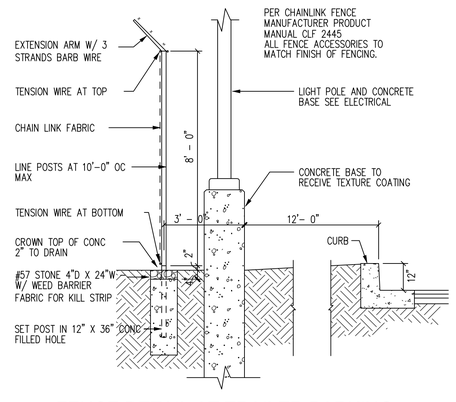
LIGHT POLE BASE DETAILS
SCALE: 1" = 1'

NOTE:
THE DESIGN SHOWN IS APPROXIMATE ONLY. CONTRACTOR TO PROVIDE FINAL DESIGN FOR FOUNDATION.





TYPICAL FENCE DETAILS
SCALE: NONE



FENCE DETAIL AT TRAILER PARKING
SCALE: NONE

POGGEMEYER DESIGN GROUP
A KLEINFELDER COMPANY
1168 NORTH MAIN STREET
BOWLING GREEN, OH 43402
PH: (419) 352-7537

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STATE OF OHIO
KENNETH A. MAAG
53316
REGISTERED PROFESSIONAL ENGINEER

12
DATE: 09/13/2022
PROJECT NUMBER: 20224880.001A

REV.	DATE	DESCRIPTION
	2/3/23	VILLAGE SUBMITTAL

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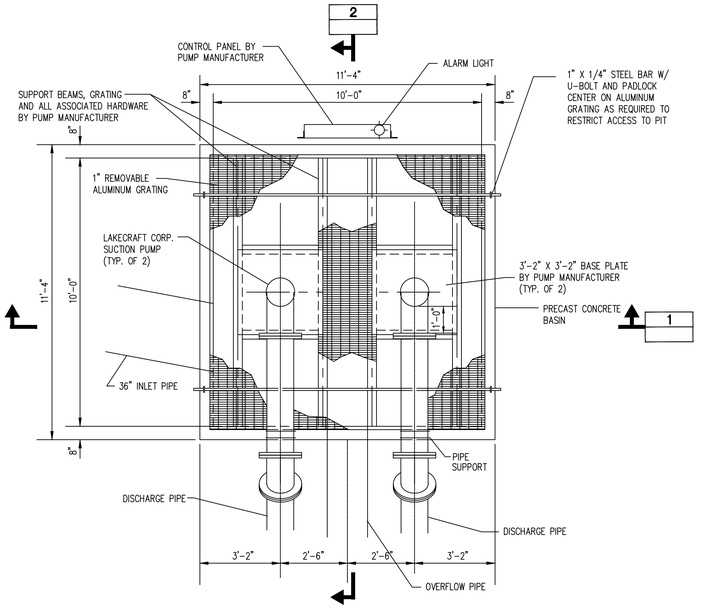
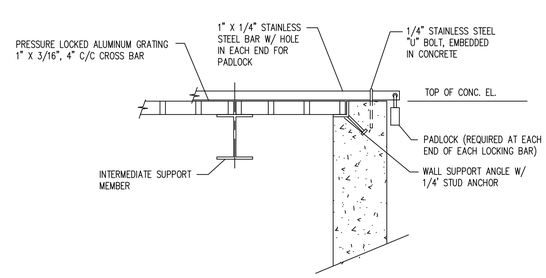


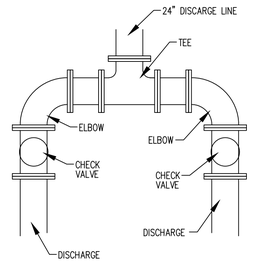
STORMWATER PUMP STATION - PLAN VIEW

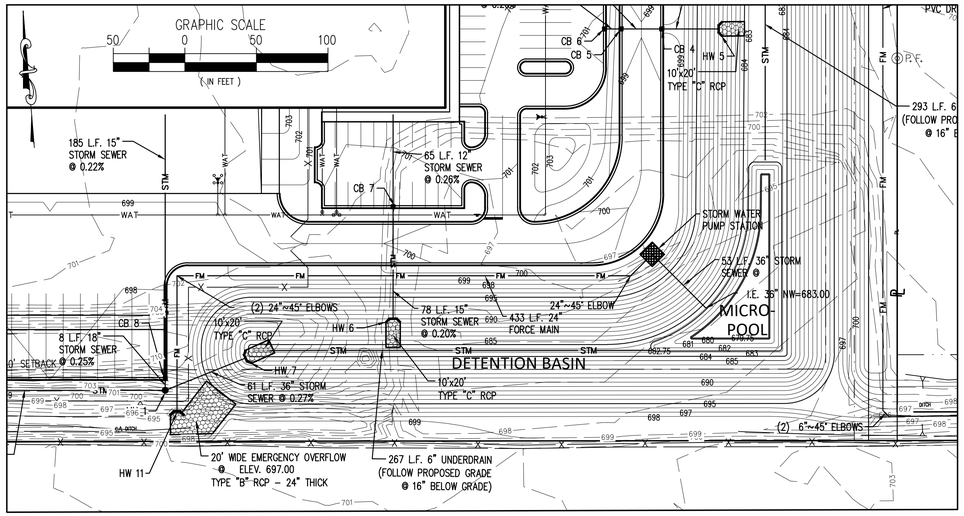
NOT TO SCALE

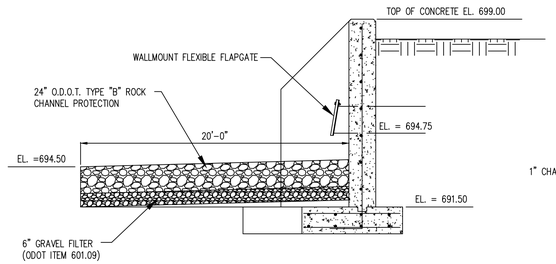


GRATING SUPPORT AND LOCKBAR DETAIL

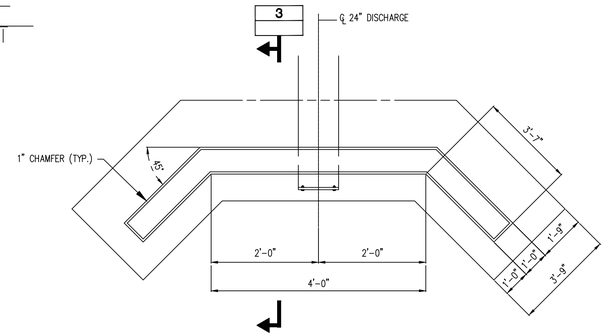
NOT TO SCALE







FOR PUMP STATION DISCHARGE ONLY



SECTION 3

NOT TO SCALE

HEADWALL PLAN VIEW

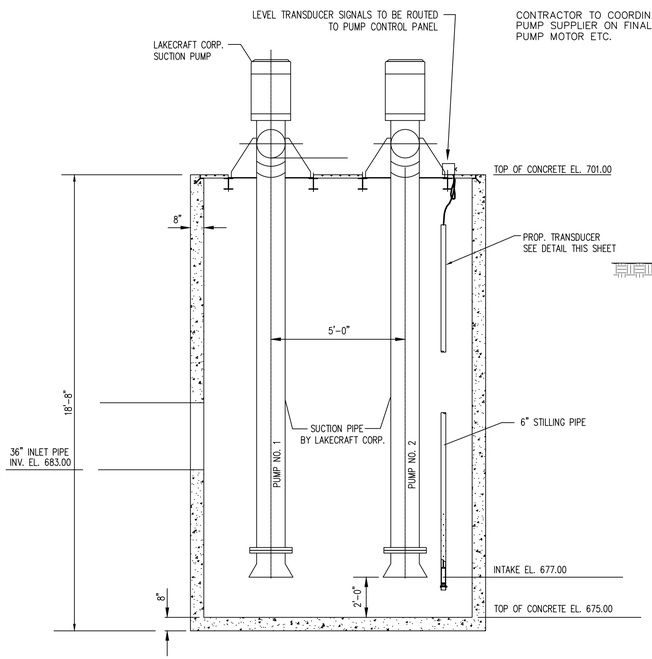
NOT TO SCALE

PUMP STATION
PUMP #1 250 G.P.M.
PUMP #2 4000 G.P.M.

NOTE:
PUMP STATION MANUFACTURER TO SUPPLY STRUCTURES, PUMPS, ELECTRICAL CONTROL PANEL, WIRELESS TELEMETRY. (TRANSMITTER AND RECEIVER)

ALARMS TO BE PROVIDED ARE HIGH WATER, LOW WATER, PUMP MALFUNCTION ETC.

CONTRACTOR TO COORDINATE w/ PUMP SUPPLIER ON FINAL SIZE OF PUMP MOTOR ETC.



SECTION 1

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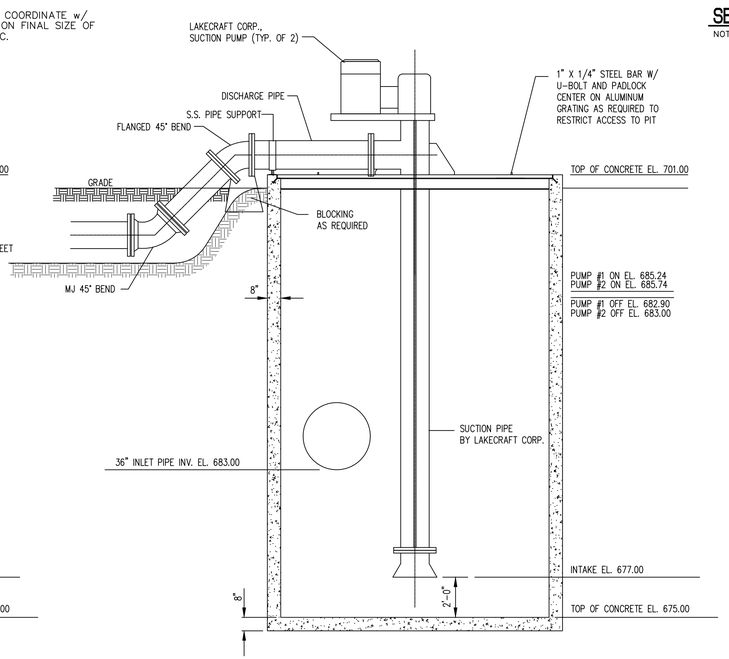

SECTION 2

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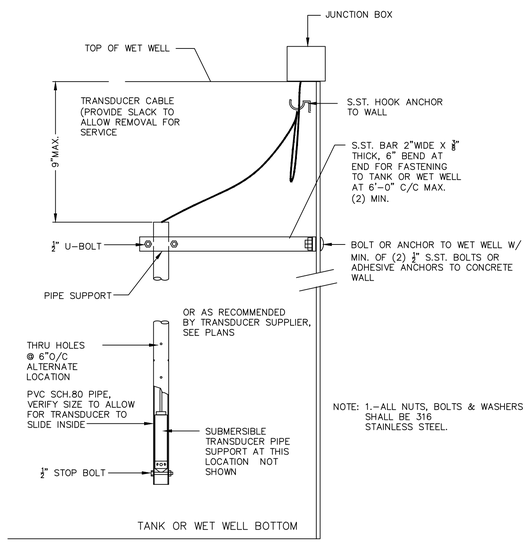
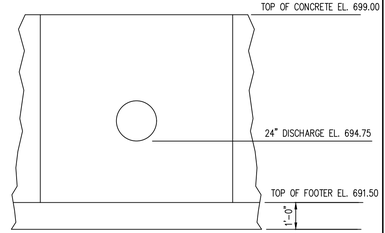


NOTE: 1.-ALL NUTS, BOLTS & WASHERS SHALL BE 316 STAINLESS STEEL.

TRANSDUCER INSTALLATION DETAIL

NOT TO SCALE



HEADWALL ELEVATION VIEW

NOT TO SCALE

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REV.	DATE	DESCRIPTION
	2/3/23	VILLAGE SUBMITTAL

POGGEMEYER DESIGN GROUP
A KLEINFELDER COMPANY
1168 NORTH MAIN STREET
BOWLING GREEN, OH 43402
PH: (419) 352-7537

DHL SUPPLY CHAIN
ASHVILLE LOGISTICS PARK
ASHVILLE, OHIO

STORM WATER PUMP STATION PLAN AND DETAILS

DRAWN BY	CHECKED BY
MEK	KAM

STATE OF OHIO
KENNETH A. MAAG
53316
REGISTERED PROFESSIONAL ENGINEER

13

DATE
09/13/2022

PROJECT NUMBER
20224880.001A

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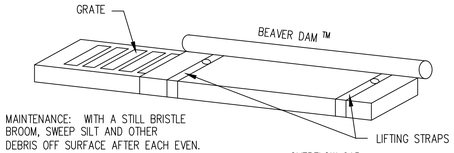
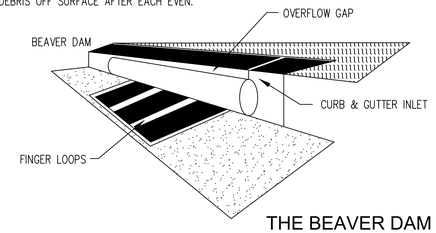
INSTALLATION: STAND GRATE ON END. SLIDE THE BEAVER DAM BAG ON WITH DAM ON TOP OF GRATE. PULL ALL EXCESS DOWN. LAY UNIT ON ITS SIDE. CAREFULLY TUCK FLAP IN. PRESS VELCRO STRIPS TOGETHER. INSTALL THE UNIT MAKING SURE FRONT EDGE OF GRATE IS INSERTED IN FRAME FIRST THEN LOWER BACK UNTO PLACE. PRESS VELCRO DOTS TOGETHER WHICH ARE LOCATED UNDER LIFTING STRAPS. THIS INSURES STRAPS REMAIN FLUSH WITH GUTTER.

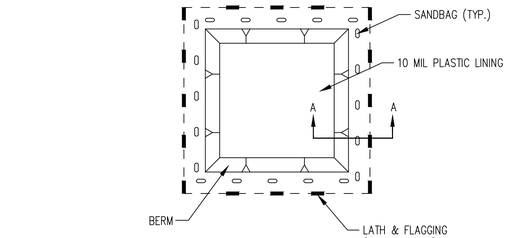


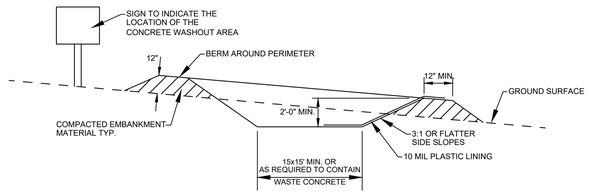
MAINTENANCE: WITH A STILL BRISTLE BROOM, SWEEP SILT AND OTHER DEBRIS OFF SURFACE AFTER EACH EVEN.



THE BEAVER DAM

NO SCALE



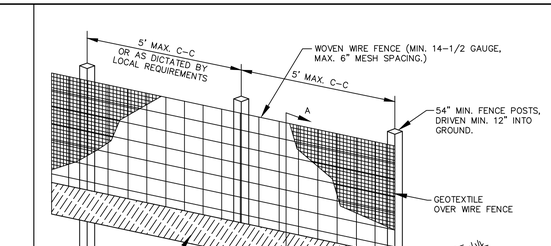


CONCRETE WASHOUT DETAIL

SCALE: NONE (PRACTICE 3.76)

TEMPORARY CONCRETE WASHOUT FACILITY NOTES:

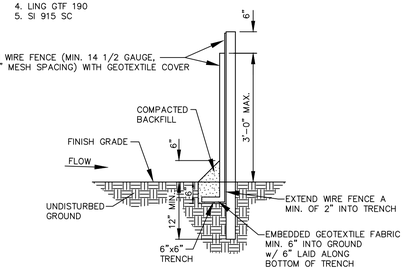
1. TEMPORARY CONCRETE WASHOUT FACILITIES (TYPE BELOW GRADE) SHOULD BE CONSTRUCTED AS SHOWN ON THE DETAIL, WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 15 FEET. THE QUANTITY AND VOLUME SHOULD BE SUFFICIENT TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
2. PLASTIC LINING MATERIALS SHALL BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.



SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT

N.T.S.

POSTS: STEEL EITHER T OR U TYPE
FENCE: WOVEN WIRE, 14-1/2 GA. 6" MAX. MESH OPENING
FABRIC: 1. AMOCO 1198
2. BELTECH 810
3. MIRAFI 130X
4. LING GTF 190
5. SI 915 SC



A-A SECTION

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
2. GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MIN. SECTION.
3. WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT UNLESS INDICATED OTHERWISE.

Maintenance:

Silt fences and filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.

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.

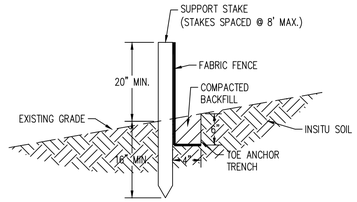
Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.

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.

Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

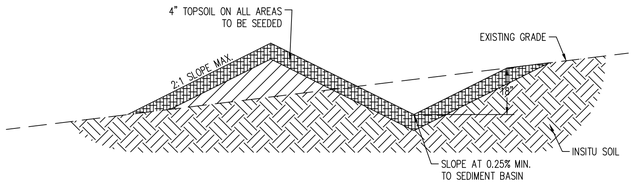
SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT

N.T.S.



TYPICAL SILT FENCE w/o WIRE SUPPORT DETAIL

NOT TO SCALE

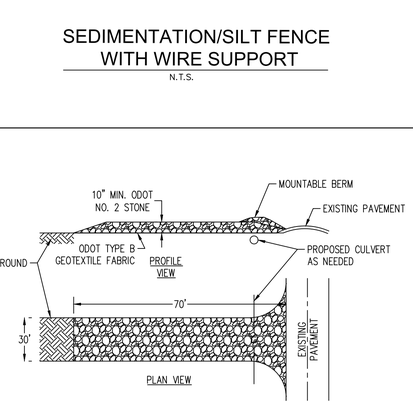


TEMPORARY DIVERSION BERM DETAIL

NOT TO SCALE

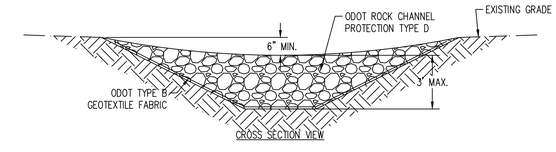
NOTES:

1. NOT ANTICIPATED TO BE USED FOR THIS PROJECT. USE AS NECESSARY TO DIRECT RUNOFF TO THE SEDIMENT BASIN BEFORE THE STORM SEWER IS IN PLACE.
2. DIVERSION DITCH SHALL BE INSTALLED AFTER SEDIMENT BASIN INSTALLATION AND PRIOR TO EARTH DISTURBANCE ACTIVITIES.
3. ROUTINELY INSPECT DIVERSIONS AFTER EACH SIGNIFICANT RAIN EVENT, MAINTAINING DIVERSIONS IN A FUNCTIONAL CONDITION AT ALL TIMES.
4. REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE DIVERSION WHEN THEY REACH HALF OF THE EXPOSED HEIGHT OF CONTROL.
5. WHERE THE DIVERSION DETERIORATES OR FAILS, IT SHALL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.



STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



ROCK CHECK DAM DETAIL

NOT TO SCALE

SITE MANAGEMENT

CONCRETE WASHOUT

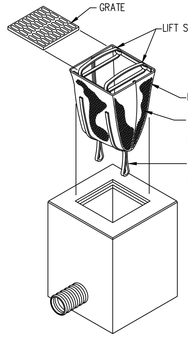
- COMPLETE CONSTRUCTION/INSTALLATION OF THE SYSTEM AND HAVE WASHOUT LOCATIONS OPERATIONAL PRIOR TO CONCRETE DELIVERY.
- DO NOT WASH OUT CONCRETE TRUCKS OR EQUIPMENT INTO STORM DRAINS, WETLANDS, STREAMS, RIVERS, CREEKS, DITCHES, OR STREETS.
- NEVER WASH OUT INTO A STORM SEWER DRAINAGE SYSTEM. THESE SYSTEMS ARE TYPICALLY CONNECTED TO A NATURAL CONVEYANCE SYSTEM.
- WHERE NECESSARY, PROVIDE STABLE INGRESS AND EGRESS.
- IT IS RECOMMENDED THAT WASHOUT SYSTEMS BE RESTRICTED TO WASHING CONCRETE FROM MIXER AND PUMP TRUCKS AND NOT USED TO DISPOSE OF EXCESS CONCRETE OR RESIDUAL LOADS DUE TO POTENTIAL TO EXCEED THE DESIGN CAPACITY OF THE WASHOUT SYSTEM. SMALL AMOUNTS OF EXCESS OR RESIDUAL CONCRETE (NOT WASHOUT WATER) MAY BE DISPOSED OF IN AREAS THAT WILL NOT RESULT IN FLOW TO AN AREA THAT IS TO BE PROTECTED.
- INSTALL SIGNAGE IDENTIFYING THE LOCATION OF CONCRETE WASHOUT SYSTEMS.
- RUNOFF FROM A RAINSTORM OR SNOW MELT SHOULD NOT CARY WASTES AWAY FROM THE WASHOUT LOCATION.

MAINTENANCE

- INSPECT DAILY AND AFTER EACH STORM EVENT.
- INSPECT THE INTEGRITY OF THE OVERALL STRUCTURE INCLUDING, WHERE APPLICABLE, THE CONTAINMENT SYSTEM.
- INSPECT THE SYSTEM FOR LEAKS, SPILLS, AND TRACKING OF SOIL BY EQUIPMENT.
- INSPECT THE POLYETHYLENE LINING FOR FAILURE, INCLUDING TEARS AND PUNCTURES.
- ONCE CONCRETE WASTES HARDEN, REMOVE AND DISPOSE OF THE MATERIAL.
- EXCESS CONCRETE SHOULD BE REMOVED WHEN THE WASHOUT SYSTEM REACHES 50 PERCENT OF CAPACITY. USE OF THE SYSTEM SHOULD BE DISCONTINUED UNTIL APPROPRIATE MEASURES CAN BE INITIATED TO CLEAN THE STRUCTURE. PREFABRICATED SYSTEMS SHOULD ALSO UTILIZE THIS CRITERION, UNLESS THE MANUFACTURER HAS ALTERNATE SPECIFICATIONS.
- UPON REMOVAL OF THE SOLIDS, INSPECT THE STRUCTURE. REPAIR THE STRUCTURE AS NEEDED OR CONSTRUCT A NEW SYSTEM.
- DISPOSE OF ALL CONCRETE IN A LEGAL MANNER.
- THE PLASTIC LINER SHOULD BE REPLACED AFTER EVERY CLEANING.
- THE CONCRETE WASHOUT SYSTEM SHOULD BE REPAIRED OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE.
- CONCRETE WASHOUT SYSTEMS ARE DESIGNED TO PROMOTE EVAPORATION. HOWEVER, IF THE LIQUIDS DO NOT EVAPORATE AND THE SYSTEM IS NEAR CAPACITY, IT MAY BE NECESSARY TO VACUUM OR REMOVE THE LIQUIDS AND DISPOSE OF THEM IN AN ACCEPTABLE METHOD. DISPOSAL MAY BE ALLOWED AT THE LOCAL SANITARY SEWER AUTHORITY PROVIDED THEIR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMITS ALLOW FOR ACCEPTANCE OF THIS MATERIAL. ANOTHER OPTION WOULD BE TO UTILIZE A SECONDARY CONTAINMENT SYSTEM OR BASIN FOR FURTHER DEWATERING.

DANDY BAG® II

Installation and Maintenance Guidelines



Installation: Remove the grate from catch basin. If using optional oil absorbents; place absorbent pillow in unit. Stand the grate on end. Move the top lifting straps out of the way and place the grate into the Dandy Bag® II so that the grate is below the top straps and above the lower straps. Holding the lifting devices, insert the grate into the inlet.

Maintenance: Remove all accumulated sediment and debris from vicinity of unit after each storm event. After each storm event and at regular intervals, look into the Dandy Bag® II. If the containment area is more than 1/3 full of sediment, the unit must be emptied. To empty unit, lift the unit out of the inlet using the lifting straps and remove the grate. If using optional oil absorbents; replace absorbent when near saturation.

NOTE:
CURB BASINS SILTED UP OR CLOGGED DURING CONSTRUCTION SHALL BE MAINTAINED BY THE DEVELOPER OR CONTRACTOR AT THE DIRECTION OF THE CITY.

CONTRACTOR RESPONSIBILITY:

DETAILS HAVE BEEN PROVIDED ON THE PLANS IN AN EFFORT TO HELP THE CONTRACTOR PROVIDE EROSION AND SEDIMENTATION CONTROL. THE DETAILS SHOWN ON THE PLAN SHALL BE CONSIDERED A MINIMUM. ADDITIONAL OR ALTERNATE DETAILS MAY BE FOUND IN THE ONDR MANUAL "RAIN WATER AND LAND DEVELOPMENT". 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.

THIS PLAN REFLECTS AN INTERPRETATION OF EROSION AND SEDIMENT CONTROL MEASURES APPROPRIATE FOR VARIOUS STAGES OF CONSTRUCTION PROGRESS. IT IS NOT INTENDED TO BE INCLUSIVE OF ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED THROUGHOUT CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING EXISTING AND PROPOSED SITE DRAINAGE SO AS TO IMPLEMENT THE MOST EFFECTIVE AND APPROPRIATE METHOD OF EROSION AND SEDIMENT CONTROL THROUGHOUT THE DURATION OF CONSTRUCTION.

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REV.	DATE	DESCRIPTION
	2/3/23	VILLAGE SUBMITTAL

POGGEMEYER DESIGN GROUP
A KLEINFELDER COMPANY
1168 NORTH MAIN STREET
BOWLING GREEN, OH 43402
PH: (419) 352-7537

DHL SUPPLY CHAIN
ASHVILLE LOGISTICS PARK
ASHVILLE, OHIO

EROSION AND SEDIMENT CONTROL DETAILS

DRAWN BY	CHECKED BY
MEK	KAM

STATE OF OHIO KENNETH A MAAG 53316 REGISTERED PROFESSIONAL ENGINEER

14

DATE 09/13/2022

PROJECT NUMBER 20224880.001A

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STORM WATER POLLUTION PREVENTION PLAN
DHL SUPPLY CHAIN ASHVILLE LOGISTICS PARK ASHVILLE, OH

I. SUMMARY

ALL STORM WATER POLLUTION PREVENTION PROVISIONS PROVIDED WITH THESE CONSTRUCTION DRAWINGS REFLECT THE OHIO EPA REQUIREMENTS FOR CONSTRUCTION STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL. TO ENSURE COMPLIANCE, THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE OHIO EPA'S NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (NO. OHC000005). THIS PLAN PROVIDES FOR CONSTRUCTION AS DEFINED IN PROJECT DESCRIPTION BELOW.

THE OWNER SHALL COMPLETE AND SUBMIT AN OHIO EPA NOI FORM TO PERFORM CONSTRUCTION ACTIVITIES ASSOCIATED WITH DHL UNDER THE GENERAL NPDES PERMIT A MINIMUM OF 21 DAYS PRIOR TO THE COMMENCEMENT OF EARTH DISTURBING ACTIVITIES.

THE CONTRACTOR SHALL OR SHALL CAUSE THE INSTALLATION AND MAINTENANCE TO OCCUR IN CONFORMANCE WITH THE REQUIREMENTS OF THIS PLAN AND ALL REGULATIONS ENFORCED BY THE OHIO EPA AND ITS AGENTS. THE CONTRACTOR HEREBY ACKNOWLEDGES THAT HE HAS REVIEWED THE PLAN AND UNDERSTANDS THE REQUIREMENTS OF THE NPDES PERMIT FOR THIS PROJECT. FURTHER, THE CONTRACTOR UNDERSTANDS HIS RESPONSIBILITY TO INSTALL AND MAINTAIN THE APPROPRIATE MEASURES TO MINIMIZE POLLUTION AND THAT FAILURE TO DO SO COULD RESULT IN STOP WORK ORDERS, FINES, AND IMPRISONMENT.

THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INCLUDES, BUT IS NOT LIMITED TO THE EROSION AND SEDIMENTATION CONTROL PLAN INCLUDED IN THE CONSTRUCTION DRAWINGS, THE NOTICE OF INTENT, PERMIT AUTHORIZATION, GENERAL PERMIT, NOTICE OF TERMINATION, ALL RECORDS OF INSPECTIONS AND ACTIVITIES WHICH ARE CREATED DURING THE COURSE OF THE PROJECT, AND OTHER DOCUMENTS AS MAY BE INCLUDED BY REFERENCE TO THIS SWPPP. CHANGES, MODIFICATIONS, REVISIONS, ADDITIONS OR DELETIONS SHALL BECOME PART OF THIS SWPPP AS THEY OCCUR.

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH A CONSTRUCTION ACTIVITY THAT DISTURBS SITE SOIL OR WHO IMPLEMENT A POLLUTANT CONTROL MEASURE IDENTIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN MUST COMPLY WITH THE FOLLOWING REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATIONS SYSTEM (NPDES) GENERAL PERMIT ("GENERAL PERMIT") AND ANY LOCAL GOVERNING AGENCY HAVING JURISDICTION CONCERNING EROSION AND SEDIMENTATION CONTROL:

A. THE CONTRACTOR SHALL SUBMIT A CO-PERMITTE NOTICE OF INTENT FOR COVERAGE UNDER OHIO EPA STORM WATER CONSTRUCTION GENERAL PERMIT.

B. A COPY OF THE NOTICE OF INTENT (NOI) THE PERMIT AUTHORIZATION NUMBERS, A DESCRIPTION OF THE PROJECT, AND THE GENERAL CONTRACTOR'S LOCAL CONTACT NAME AND NUMBER (SITE STORM WATER COORDINATOR) MUST BE POSTED IN A PROMINENT PLACE FOR PUBLIC VIEWING AT THE CONSTRUCTION SITE UNTIL TERMINATION OF PERMIT COVERAGE HAS BEEN OBTAINED BY A NOTICE OF TERMINATION (NOT).

C. COMPLETE COPY OF THE SWPPP, INCLUDING COPIES OF ALL INSPECTION REPORTS, PLAN REVISIONS, ETC., MUST BE RETAINED AT THE PROJECT SITE AT ALL TIMES DURING WORKING HOURS AND KEPT IN THE PERMANENT PROJECT RECORDS FOR AT LEAST FIVE YEARS FOLLOWING SUBMISSION OF THE NOTICE OF TERMINATION (NOT).

D. THE GENERAL CONTRACTOR MUST PROVIDE NAMES AND ADDRESSES OF ALL SUBCONTRACTORS WORKING ON THIS PROJECT WHO WILL BE INVOLVED WITH THE MAJOR CONSTRUCTION ACTIVITIES THAT DISTURB SITE SOIL ("SUB-CONTRACTOR LIST"). THAT INFORMATION MUST BE KEPT WITH THIS SWPPP.

E. REGULAR INSPECTIONS MUST BE MADE TO DETERMINE EFFECTIVENESS OF THE SWPPP. THE STORM WATER POLLUTION PREVENTION PLAN INCLUDING THE BEST MANAGEMENT PRACTICES IMPLEMENTED ON THE JOB SITE SHALL BE MODIFIED AS NEEDED TO PREVENT POLLUTANTS FROM DISCHARGING FROM THE SITE. THE INSPECTOR MUST BE A PERSON FAMILIAR WITH THE SITE, THE NATURE OF THE MAJOR CONSTRUCTION ACTIVITIES, AND QUALIFIED TO EVALUATE BOTH OVERALL SYSTEM PERFORMANCE AND INDIVIDUAL COMPONENT PERFORMANCE. INSPECTORS QUALIFICATIONS MUST BE ENTERED ON THE INSPECTION REPORT FORM. THE INSPECTOR MUST EITHER BE SOMEONE EMPOWERED TO IMPLEMENT MODIFICATIONS TO THIS SWPP AND THE POLLUTANT CONTROL DEVICES, IF NEEDED, IN ORDER TO INCREASE EFFECTIVENESS TO AN ACCEPTABLE LEVEL, OR SOMEONE WITH THE AUTHORITY TO CAUSE SUCH THINGS TO HAPPEN. ADDITIONALLY, THE INSPECTOR SHALL BE PROPERLY AUTHORIZED IN ACCORDANCE WITH THE APPLICABLE GENERAL PERMIT TO CONDUCT AND CERTIFY SITE STORM WATER INSPECTIONS.

F. THIS SWPPP MUST BE AMENDED AS NECESSARY DURING THE COURSE OF CONSTRUCTION IN ORDER TO KEEP IT CURRENT WITH THE POLLUTANT CONTROL MEASURES UTILIZED AT THE SITE. AMENDING THE SWPPP DOES NOT MEAN THAT IT HAS TO BE REPRINTED. IT IS ACCEPTABLE TO ADD ADDENDA, SKETCHES, NEW SECTIONS, AND/OR REVISED DRAWINGS. THE SITE MAP SHOWING THE LOCATIONS OF ALL STORM WATER CONTROLS MUST BE POSTED ON THE SITE AND UPDATED TO REFLECT THE PROGRESS OF CONSTRUCTION.

G. ONCE THE SITE REACHES FINAL STABILIZATION, ALL PERMANENT EROSION AND SEDIMENTATION CONTROLS INSTALLED AND ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS REMOVED, THE GENERAL CONTRACTOR AND OWNER MUST COMPLETE A FINAL SITE INSPECTION. UPON APPROVAL BY OWNER, THE OWNER AND GENERAL CONTRACTOR, AS APPLICABLE, MUST COMPLETE AND SUBMIT A NOTICE OF TERMINATION (NOT), WITHIN 45 DAYS OF COMPLETING ALL PERMITTED LAND DISTURBANCE ACTIVITIES.

H. A RECORD OF THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED MUST BE MAINTAINED UNTIL THE NOT IS FILED. CONTROLS MUST BE IN PLACE DOWN SLOPE OF SITE DISTURBING ACTIVITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND NOTED ON THE SITE MAP AND RECORD OF STABILIZATION AND CONSTRUCTION ACTIVITY DATES.

II. INTRODUCTION

THIS SWPPP HAS BEEN PREPARED FOR THE CONSTRUCTION OF DHL SUPPLY CHAIN ASHVILLE LOGISTICS PARK ASHVILLE, OH

THE NATURE AND TYPE OF CONSTRUCTION IS A LOGISTICS PARK. THE SITE DRAINAGE INCLUDES THE FOLLOWING:

- ROOF DRAINAGE DIRECTLY TO THE STORM SEWER SYSTEM;
- PAVEMENT DRAINAGE SHEET FLOWING TO DRAINAGE COLLECTION STRUCTURES;
- CHANNELIZED CONCENTRATED FLOW THROUGH A SYSTEM OF STORM SEWERS AND OPEN CHANNELS TO A DETENTION POND;
- DISCHARGE FLOW FROM THE DETENTION POND THROUGH A METERED SEWER.

THIS SWPPP, INCLUDING THE APPLICABLE GENERAL PERMIT, INCLUDES THE ELEMENTS NECESSARY TO COMPLY WITH THE NATIONAL GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES ADMINISTERED BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM AND ALL LOCAL GOVERNING AGENCY REQUIREMENTS. THIS SWPPP MUST BE IMPLEMENTED AT THE START OF CONSTRUCTION.

CONSTRUCTION PHASE POLLUTANT SOURCES ANTICIPATED AT THE SITE ARE DISTURBED (BARE) SOIL, VEHICLE FUELS AND LUBRICANTS, CHEMICALS ASSOCIATED WITH BUILDING CONSTRUCTION, CONSTRUCTION-GENERATED LITTER AND DEBRIS, AND BUILDING MATERIALS.

THIS PROJECT CONSISTS PRIMARILY OF SITE GRADING, PAVING, UNDERGROUND UTILITIES AND NEW BUILDING.

A. SCOPE

THIS SWPPP MUST BE IMPLEMENTED BEFORE CONSTRUCTION BEGINS ON THE SITE. IT PRIMARILY ADDRESSES THE IMPACT OF STORM RAINFALL AND RUNOFF ON AREAS OF THE GROUND SURFACE DISTURBED DURING THE CONSTRUCTION PROCESS. IN ADDITION, THERE ARE RECOMMENDATIONS FOR CONTROLLING OTHER SOURCES OF POLLUTION THAT COULD ACCOMPANY THE MAJOR CONSTRUCTION ACTIVITIES. THIS SWPPP WILL TERMINATE WHEN DISTURBED AREAS ARE STABILIZED, PERMANENT EROSION AND SEDIMENTATION CONTROLS INSTALLED, TEMPORARY EROSION AND SEDIMENTATION CONTROLS REMOVED, CONSTRUCTION ACTIVITIES COVERED HEREIN HAVE CEASED, AND A COMPLETED NOTICE OF TERMINATION (NOT) IS MAILED TO THE GOVERNING AGENCY.

THE NATIONAL GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES PROHIBITS MOST NON-STORM WATER DISCHARGES DURING THE CONSTRUCTION PHASE. ALLOWABLE NON-STORM WATER DISCHARGES THAT COULD OCCUR DURING CONSTRUCTION ON THIS PROJECT, WHICH WOULD THEREFORE BE COVERED BY THE GENERAL PERMIT, INCLUDE:

1. DISCHARGES FROM FIRE FIGHTING ACTIVITIES;
2. FIRE HYDRANT FLUSHING;
3. WATER USED TO WASH VEHICLES OR CONTROL DUST;
4. WATER FLOWING FROM POTABLE SOURCES AND WATER LINE FLUSHING;
5. IRRIGATION DRAINAGE;
6. EXTERNAL BUILDING WASH DOWN WHICH DOES NOT USE DETERGENTS;
7. RUNOFF FROM PAVEMENT WASH DOWN WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL HAS BEEN REMOVED) AND WHERE DETERGENTS HAVE NOT BEEN USED;
8. AIR CONDITIONING CONDENSATE;
9. SPRINGS AND UNCONTAMINATED GROUNDWATER; AND
10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS.

BEST MANAGEMENT PRACTICES MUST BE IMPLEMENTED FOR THE ABOVE ALLOWABLE FORESEEABLE DISCHARGES FOR THE DURATION OF THE PERMIT. EACH NON-STORM WATER DISCHARGE SHOULD BE NOTED IN THE SWPPP AND WEEKLY INSPECTION WITH THE EXCEPTION OF DISCHARGES FROM FIRE FIGHTING ACTIVITIES.

III. PROJECT DESCRIPTION

DESCRIBED BELOW ARE THE MAJOR CONSTRUCTION ACTIVITIES THAT ARE THE SUBJECT OF THIS SWPPP. THEY ARE PRESENTED IN THE ORDER (OR SEQUENCE) THEY ARE EXPECTED TO BEGIN, BUT EACH ACTIVITY WILL NOT NECESSARILY BE COMPLETED BEFORE THE NEXT BEGINS. ALSO, THESE ACTIVITIES COULD OCCUR IN A DIFFERENT ORDER IF NECESSARY TO MAINTAIN ADEQUATE EROSION AND SEDIMENTATION CONTROL. ALL ACTIVITIES AND THE TIME FRAME (BEGINNING AND ENDING DATES) SHALL BE NOTED IN THE RECORD OF STABILIZATION AND CONSTRUCTION ACTIVITY DATES:

THE DEVELOPMENT WILL CONSIST OF A WAREHOUSE LOGISTICS PARK FACILITY LOCATED ON THE SOUTH SIDE OF ST. RT. 752, EAST OF U.S. RT. 23 IN THE VILLAGE OF ASHVILLE OHIO ON 40.37 +/- ACRES, THAT CONSIST OF A WAREHOUSES, SITE PAVING, UTILITIES.

SIGNIFICANT EARTHWORK IS ANTICIPATED ON THIS SITE.

EROSION CONTROL IMPLEMENTATION SEQUENCE

A. PHASE I: EARTHWORK OPERATIONS

1. INSTALL SILT FENCE AROUND PERIMETER OF SITE.
2 INSTALL PROJECT GRAVEL CONSTRUCTION ACCESS DRIVE(S). THE ROCK PAD SHALL BE A MINIMUM 70' LONG X 30' WIDE PER THE DETAIL.
3. CONSTRUCT CONSTRUCTION STAGING AREA.
4. REMOVE TOPSOIL IN AREA OF STORM MANAGEMENT AREAS AND BUILDING PAD AREA.
5. CONSTRUCT DIVERSION CHANNELS AND SEDIMENT PONDS.
6. STOCKPILE TOPSOIL IN PERMANENT MOUNDING AREAS. EXCESS TOPSOIL TO BE STOCKPILED AS LOCATED ON THE SWPPP PLAN.
7. STABILIZE PERMANENT MOUNDING AND EXCESS TOPSOIL. STABILIZE WITH TEMPORARY AND PERMANENT SEEDING, MULCHING, AND HYDROSEEDING.
8. EXCAVATE STORM MANAGEMENT AREAS. CONSTRUCT TEMPORARY COMPACTED BERM AND/OR ALONG CHANNEL PERIMETER OF SITE WHERE PERMANENT MOUNDING IS NOT PROVIDE. TEMPORARY BERM AND/OR CHANNEL SHOULD BE NEAR SILT FENCE. INSTALL CULVERTS AS NECESSARY.
9. CONSTRUCT BUILDING SUB-PAD WITH PROPER COMPACTED MATERIAL EXCAVATED FROM STORM MANAGEMENT AREA.
10. STRIP TOPSOIL FROM REMAINING AREAS OF CONSTRUCTION AND STOCKPILE OR PLACE IN PERMANENT PERIMETER MOUNDS. TEMPORARY OR PERMANENT SEED, MULCH, HYDROSEED.
11. PROVIDE TEMPORARY SEEDING OF SIDE SLOPES OF STORM MANAGEMENT AREA.

B. PHASE II: UNDERGROUND UTILITIES/BUILDING FOUNDATION/ PAVEMENT BASE

1. INSTALL UNDERGROUND STORM SEWER THROUGHOUT THE PROJECT SITE.
2. INSTALL INLET PROTECTION ON ALL STORM STRUCTURES.
3. CONSTRUCT BUILDING PAD.
4. GRADE, COMPACT PAVEMENT AREAS, INSTALL COMPACTED AGGREGATE BASE.
5. MAINTAIN GRAVEL CONSTRUCTION ACCESS DRIVE(S).
6. MAINTAIN DIVISION DIVERSION CHANNELS.

C. PHASE III: FINAL CONSTRUCTION

1. TOPSOIL AREAS TO RECEIVE PLANTINGS.
2. INSTALL LANDSCAPING.
3. FINE GRADE.
4. SEED, MULCH, AND HYDROSEED, BERMS, MOUNDS, LANDSCAPE AREAS.
5. ONCE VEGETATION ACHIEVES 70% COVERAGE, DRAIN STORM MANAGEMENT AREAS.
6. REMOVE SEDIMENT FROM STORM MANAGEMENT AREA AND STOCKPILE.
7. CONVERT SEDIMENT AREAS TO STORM MANAGEMENT AREAS.
8. SEED, MULCH, HYDROSEED, AND STABILIZE SEDIMENT STOCKPILE AND STORM MANAGEMENT AREA.
9. REMOVE SILT FENCE AND STORM INLET PROTECTION ONCE SITE IS STABILIZED.

CLEARING AND GRADING PLAN:

A. THE SITE WILL BE CLEARED AND GRADED TO VARYING DEGREES AS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN. THE PROJECT ENCOMPASSES APPROXIMATELY 40.37 +/- ACRES THAT WILL INVOLVE EARTHWORK ACTIVITIES.

B. IN AN EFFORT TO CONTROL THE VOLUME OF SEDIMENT GENERATED AT THE SITE, THE TOTAL AREA DISTURBED BY EARTHWORK ACTIVITIES SHOULD BE MINIMIZED. INFORMATION IS PROVIDED ON THE STORM WATER POLLUTION PREVENTION PLAN TO ASSIST THE CONTRACTOR IN EVALUATING THE EARTHWORK ACTIVITIES REQUIRED AND SELECTING THE MOST EFFICIENT CONSTRUCTION SEQUENCE WHILE MINIMIZING THE AREA DISTURBED DURING EACH PHASE OF CONSTRUCTION. THESE METHODS SHALL INCLUDE, BUT IS NOT LIMITED TO THE FOLLOWING:

- THE PROPOSED LIMITS OF EARTHWORK ACTIVITY;
- THE PROPOSED AREAS TO BE USED FOR BORROW, SPOIL OR STOCKPILES;
- THE EXISTING AND PROPOSED CONTOURS AFTER MAJOR EARTHWORK ACTIVITY;
- THE ANTICIPATED DRAINAGE PATTERNS AFTER MAJOR EARTHWORK ACTIVITY;
- EXISTING AND PROPOSED BUILDINGS, PAVEMENTS AND UTILITIES;
- PROBABLE LOCATIONS OF SEDIMENT AND EROSION CONTROL PRACTICES;
- LOCATION OF SEDIMENT PONDS NOTING VOLUME AND CONTRIBUTING DRAINAGE AREA;
- LOCATION OF PERMANENT STORM WATER MANAGEMENT PRACTICES;
- LOCATIONS OF CONSTRUCTION ENTRANCES.

IV. SITE DESCRIPTION

INCLUDED AS PART OF THIS SWPPP ARE THE PROJECT CONSTRUCTION DRAWINGS. REFER TO THE CONSTRUCTION DRAWINGS FOR DETAILED SITE INFORMATION.

A. SITE LOCATION – VILLAGE OF ASHVILLE, PICKAWAY COUNTY, OHIO, SUBJECT PROPERTY IS A 40.37 ACRE PARCEL OF LAND LOCATED IN A INDUSTRIAL AREA. THE SUBJECT SITE IS LOCATED IN SECTION 11, TOWNSHIP 2 NORTH, RANGE 22 WEST, IN THE VILLAGE OF ASHVILLE, PICKAWAY COUNTY, OHIO. THE SITE IS BOUNDED ON THE EAST BY RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL LAND, ON THE SOUTH, NORTH AND WEST BY AGRICULTURAL LAND. THE LOCATION OF THE SUBJECT SITE, AS PLOTTED ON THE UNITED STATES GEOLOGICAL SURVEY (USGS) ASHVILLE OHIO QUADRANGLE 7.5 MINUTE TOPOGRAPHIC MAPS, DATED 1961.

B. SITE TOPOGRAPHY – THE SITE IS ROLLING IN THE WEST DIRECTION (2% TO 6%)

THE SITE DRAINS TO AN UNNAMED STREAM TRIBUTARY TO MUD RUN.

C. RAINFALL INFORMATION – AVERAGE YEARLY RAINFALL IS 36 INCHES PER YEAR. THE BULK OF THIS RAINFALL COMES IN THE MONTHS OF APRIL THROUGH SEPTEMBER.

D. SITE SOILS.

A SOIL SURVEY MAP, DATED DECEMBER 1978, OBTAINED FROM THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE WAS REVIEWED TO DETERMINE GENERAL SOIL COMPOSITION IN THE AREA OF THE SUBJECT SITE. THE SITE IS IN AN AREA MAPPED AS HAVING SEVERAL DIFFERENT TYPES OF SOILS. THE TYPES OF SOIL CONSIST OF

SOIL TYPE LEGEND

CRA 21.19 AC.	**CROSBY SILT LOAM, SOUTHERN OHIO TILL PLAIN 0 TO 2 PERCENT SLOPES**
KO 13.75 AC.	**KOKOMO SILTY CLAY LOAM 0 TO 2 PERCENT SLOPES**
MKB 5.44 AC.	**MIAMIAN-KENDALLVILLE SILT LOAMS 2 TO 6 PERCENT SLOPES**

E. TOTAL AREA AND DISTURBED AREA – THE ENTIRE SITE CONTAINS 40.37 +/- ACRES AND THE AREA TO BE DISTURBED BY GRADING IS ANTICIPATED TO BE APPROXIMATELY 40.37 +/- ACRES.

F. QUALITY OF RECEIVING SURFACE WATERS.

THERE ARE NO OTHER SPECIAL AQUATIC FEATURES ON THE SITE.

THE PROPOSED STORM DRAINAGE SYSTEM WILL RESEMBLE A DIRECT DRAINAGE SYSTEM OF STORM SEWERS. THE CHANNELIZED CONCENTRATED FLOW SHALL LIKEWISE BE DIRECTED TO DRAINAGE COLLECTION STRUCTURES. STORM WATER COLLECTED IN DRAINAGE STRUCTURES SHALL BE CONVEYED THROUGH A SYSTEM OF STORM SEWERS TOWARDS THE DETENTION POND. ULTIMATELY, THE DETENTION POND IS CONTROLLED BY A METER PIPE. IN GENERAL THE SITE DISCHARGES THROUGH A METERED PIPE INTO DITCHES THAT CONVEYS THE WATER ULTIMATELY TO MUD RUN.

G. EROSION AND SEDIMENTATION CONTROL – THE SOIL EROSION CONTROL PLAN IS LOCATED ON CIVIL SHEETS.

H. THREATENED AND ENDANGERED SPECIES – UNKNOWN

I. HISTORIC PROPERTIES – UNKNOWN.

V. STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS

A VARIETY OF STORM WATER POLLUTANT CONTROLS ARE RECOMMENDED FOR THIS PROJECT. SOME CONTROLS ARE INTENDED TO FUNCTION TEMPORARILY AND WILL BE USED AS NEEDED FOR POLLUTANT CONTROL DURING THE CONSTRUCTION PERIOD. THESE INCLUDE TEMPORARY SEDIMENT BARRIERS AND PERMANENT STORM RETENTION PONDS (WHICH CAN ALSO FUNCTION AS PERMANENT SEDIMENT BASINS). FOR MOST DISTURBED AREAS, PERMANENT STABILIZATION WILL BE ACCOMPLISHED BY COVERING THE SOIL WITH PAVEMENT, BUILDING, OR VEGETATION.

APPROPRIATE METHODS OF SEDIMENT AND EROSION CONTROL FOR VARIOUS STAGES OF CONSTRUCTION PROGRESS AT THIS SITE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: AGGREGATE CONSTRUCTION ENTRANCE, YARD INLET PROTECTION, CURB INLET PROTECTION, SEDIMENT BARRIER (SILT FENCE), TEMPORARY DIVERSION, ROCK CHECK DAMS AND SEDIMENT BASIN. AN INTERPRETATION OF APPROPRIATE SEDIMENT AND EROSION CONTROL PRACTICES, INCLUDING PROBABLE LOCATIONS, ARE SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN WITHIN THE DETAILED DRAWINGS. THE PLAN IS NOT INTENDED TO BE INCLUSIVE WITH ALL METHODS OF SEDIMENT AND EROSION CONTROL REQUIRED AT THIS SITE THROUGHOUT CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING BOTH THE EXISTING AND PROPOSED SITE DRAINAGE SO AS TO IMPLEMENT THE MOST EFFICIENT AND APPROPRIATE METHOD OF SEDIMENT AND EROSION CONTROL THROUGHOUT THE DURATION OF CONSTRUCTION AT THIS SITE.

APPROPRIATE APPLICATIONS OF SPECIFIC SEDIMENT AND EROSION CONTROL METHODS AT THIS SITE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

- AGGREGATE CONSTRUCTION ENTRANCES AT ALL POINTS OF CONSTRUCTION TRAFFIC EGRESS FROM THE SITE ONTO PAVEMENT.
- INLET PROTECTION AT ALL STORM INLETS.
- SEDIMENT BARRIERS AT AREAS OF SHEET FLOW AND AROUND ALL SOIL STOCKPILES.
- TEMPORARY DIVERSIONS FOR SHEET FLOW THAT CANNOT BE ADEQUATELY PROTECTED WITH A SEDIMENT BARRIER AS INDICATED BY THE SEDIMENT AND EROSION CONTROL PLAN.
- ROCK CHECK DAMS AT INTERMEDIATE POINTS ALONG THE SWALES AS INDICATED ON THE STORM WATER POLLUTION PREVENTION PLAN
- SEDIMENT BASINS AT THE TERMINATION OF CHANNELIZED FLOW THAT CANNOT BE ADEQUATELY PROTECTED WITH SEDIMENT TRAP AS DETERMINED BY THE STORM WATER POLLUTION PREVENTION PLAN.

A. EROSION AND SEDIMENT CONTROLS

- APPROPRIATE METHODS OF LAND STABILIZATION DURING VARIOUS STAGES OF CONSTRUCTION PROGRESS FOR DISTURBED AREAS NOT DESIGNATED TO RECEIVE A FINAL PAVEMENT SURFACE AT THIS SITE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: TEMPORARY SEEDING, PERMANENT SEEDING,AND MULCHING. IF VEGETATIVE STABILIZATION TECHNIQUES ARE DETERMINED TO BE INADEQUATE AND MAY CAUSE STRUCTURAL INSTABILITY OR ARE OTHERWISE UNOBTAINABLE, ALTERNATIVE STABILIZATION TECHNIQUES SUCH AS ROCK CHANNEL PROTECTION, ROCK STABILIZATION, BEDDING BLANKETS, NETS AND MATS, AGGREGATE COVER, ETC., MUST BE UTILIZED.
- TO AID IN COMPLIANCE WITH THE PERMIT CONDITIONS FOR STABILIZATION, THE CONTRACTOR SHALL KEEP A RECORD OF DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN EARTH DISTURBANCE HAS TEMPORARILY OR PERMANENTLY CEASED ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES HAVE BEEN INITIATED.

1. SOIL STABILIZATION – THE PURPOSE OF SOIL STABILIZATION IS TO PREVENT SOIL FROM LEAVING THE SITE. IN THE NATURAL CONDITION, SOIL IS STABILIZED BY NATIVE VEGETATION. THE PRIMARY TECHNIQUE TO BE USED AT THIS PROJECT FOR STABILIZING SITE SOIL WILL BE TO PROVIDE A PROTECTIVE COVER OF TURF GRASS, PAVEMENT, OR BUILDING. WHERE VEGETATIVE STABILIZATION TECHNIQUES MAY CAUSE STRUCTURAL INSTABILITY OR ARE OTHERWISE UNOBTAINABLE, ALTERNATIVE STABILIZATION TECHNIQUES MUST BE EMPLOYED.

A. TEMPORARY SEEDING (WITH FAST-GERMINATING TEMPORARY SEED AND PROTECTED WITH MULCH)

1. FOR ANY AREAS WITHIN 50 FEET OF A STREAM AND NOT AT A FINAL GRADE: APPLY WITHIN TWO DAYS AFTER CONSTRUCTION ACTIVITY CEASES ON ANY PARTICULAR AREA, ALL DISTURBED GROUND WHERE THERE WILL NOT BE CONSTRUCTION FOR LONGER THAN 21 DAYS MUST BE SEEDED.
2. FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND WITHIN 50 FEET OF A STREAM: APPLY WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA.
3. DISTURBED AREAS THAT WILL BE IDLE OVER WINTER: APPLY PRIOR TO THE ONSET OF WINTER WEATHER.
4. WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY CEASES ON ANY PARTICULAR AREA, ALL DISTURBED GROUND WHERE THERE WILL NOT BE CONSTRUCTION FOR LONGER THAN 21 DAYS MUST BE SEEDED WITH FAST GERMINATING TEMPORARY SEED AND PROTECTED WITH MULCH.
5. THE TEMPORARY SEED MIX SHALL BE 100% ANNUAL RYE GRASS (LOLIUM MULTIFLORUM) APPLIED AT THE RATE OF TWO (2) POUNDS PER 1,000 SQUARE FEET. PRIOR TO SEEDING, TEN (1) POUNDS OF 12 12-12 FERTILIZER SHALL BE APPLIED TO EACH 1,000 SQUARE FEET TO BE STABILIZED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH STRAW AT A RATE OF TWO (2) TONS PER ACRE.

B. PERMANENT SEEDING SEEDED AREAS SHALL BE PROTECTED BY MULCH.

1. ANY AREAS THAT WILL LIE DORMANT FOR MORE THAN ONE YEAR: APPLY WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE.
2. ANY AREAS WITHIN 50 FEET OF A STREAM AND AT FINAL GRADE: APPLY WITHIN TWO DAYS OF REACHING FINAL GRADE.
3. ANY OTHER AREAS AT FINAL GRADE: APPLY WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA.
4. ALL AREAS AT FINAL GRADE MUST BE SEEDED WITHIN 14 DAYS AFTER COMPLETION OF THE MAJOR CONSTRUCTION ACTIVITY. SEEDED AREAS SHALL GENERALLY BE PROTECTED WITH MULCH.
5. THE PERMANENT SEED MIX SHALL CONSIST OF 40% KENTUCKY BLUEGRASS (POA PRATENSIS), 40% CREEPING RED FESCUE (FESTUCA RUBRA), AND 20% ANNUAL RYEGRASS (LOLIUM MULTIFLORUM). THIS MIX SHALL BE APPLIED AT THE RATE OF THREE (3) POUNDS PER 1,000 SQUARE FEET. PRIOR TO SEEDING TWENTY (20) POUNDS OF 12-12-12 FERTILIZER SHALL BE APPLIED TO EACH 1,000 SQUARE FEET TO BE STABILIZED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH STRAW AT A RATE OF TWO (2) TONS PER ACRE. THE PERMANENT SEED MIX SHALL BE APPLIED BY "HYDRO-SEEDING" WHERE SPECIFIED.

B. STRUCTURAL CONTROLS

1. STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION AND TRAP SEDIMENT FROM A SITE REMAINING DISTURBED FOR MORE THAN 14 DAYS.

A. SEDIMENT BASINS – TEMPORARY SEDIMENT BASINS ARE DEPRESSIONS CONSTRUCTED DOWNSLOPE OF CONSTRUCTION ACTIVITY AND LOCATED SUCH THAT STORM WATER RUNOFF FROM UPLAND AREAS OF LESS THAN 100 ACRES ARE DIVERTED THROUGH THE BASIN. SEDIMENT BASINS SHALL BE CONSTRUCTED AS PART OF THE INITIAL BEST MANAGEMENT PRACTICES WHENEVER PRACTICAL. THE PROPOSED DETENTION BASIN WILL SERVE AS THE SEDIMENT TRAP FOR THIS PROJECT. TOTAL STORAGE REQUIRED IS SHOWN ON THE EROSION CONTROL PLAN. AN OVERFLOW PIPE IS INCORPORATED AT THE OUTLET TO DISCHARGE FLOW FORM THE BASIN.

THE GENERAL LOCATION OF THE PROPOSED SEDIMENT PONDS IS SHOWN ON STORM WATER POLLUTION PREVENTION PLAN. THE REQUIRED VOLUME WILL BE PROVIDED AT TEMPORARY STAND PIPE AT THE DISCHARGE LOCATION FOR THE POND. IN THE EVENT THAT THE SEDIMENT POND BELOW THE DISCHARGE PIPE DOES NOT NATURALLY DEWATER THROUGH GROUND INFILTRATION, THE CONTRACTOR SHALL PROVIDE APPROVED METHODS OF DEWATERING THE SEDIMENT PONDS.

B. SEDIMENT TRAPS – TEMPORARY SEDIMENT TRAPS ARE DEPRESSIONS CONSTRUCTED DOWNSLOPE OF CONSTRUCTION ACTIVITY AND LOCATED SUCH THAT STORM WATER RUNOFF FROM UPLAND AREAS OF LESS THAN 5 ACRES ARE DIVERTED THROUGH THE TRAP. SEDIMENT TRAPS SHALL BE CONSTRUCTED AS INDICATED BY THE STORM WATER POLLUTION PREVENTION PLAN AND SHALL BE CONSTRUCTED AS PART OF THE INITIAL BEST MANAGEMENT PRACTICES WHENEVER PRACTICAL. DESCRIBE IN DETAIL THE SEDIMENT TRAPS TO BE CONSTRUCTION ON THE SITE. INCLUDE FINAL STORAGE CALCULATIONS. AN OVERFLOW WEIR IS INCORPORATED AT THE OUTLET TO DISCHARGE FLOW FROM THE TRAP. SEDIMENT TRAPS SHALL BE PHASED WITH THE EARTHWORK ACTIVITY WHERE PRACTICAL.

C. SILT FENCE – SILT FENCE IS A SYNTHETIC PERMEABLE MESH FABRIC TYPICALLY INCORPORATING WOODEN SUPPORT STAKES AT INTERVALS SUFFICIENT TO SUPPORT THE FENCE AND WATER AND SEDIMENT RETAINED BY THE FENCE. SILT FENCE IS ALSO AVAILABLE WITH A WIRE MESH BACKING. THE FENCE IS DESIGNED TO RETAIN SEDIMENT-LADEN WATER TO ALLOW SETTLEMENT OF SUSPENDED SOILS BEFORE FILTERING THROUGH THE MESH FABRIC FOR DISCHARGE DOWNSTREAM. SILT FENCE SHALL BE LOCATED TO CAPTURE OVERLAND, LOW-VELOCITY SHEET FLOWS AS FOLLOWS: THE MAXIMUM UP SLOPE AREA IS .5 ACRES AND THE MAXIMUM SLOPE THE SILT FENCE WILL BE PLACED ON IS 1%. INSTALL SILT FENCE AT A FAIRLY LEVEL GRADE (ALONG THE CONTOUR) TO PROVIDE SUFFICIENT UPSTREAM STORAGE VOLUME FOR THE ANTICIPATED RUNOFF.

D. CONSTRUCTION ENTRANCE – ALL ACCESS POINTS FROM THE PUBLIC STREET INTO THE CONSTRUCTION SITE SHALL INCLUDE A CONSTRUCTION ENTRANCE COMPOSED OF COURSE STONE TO THE DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS. THE ROUGH TEXTURE OF THE STONE HELPS TO REMOVE CLUMPS OF SOIL ADHERING TO CONSTRUCTION VEHICLE TIRES THROUGH THE ACTION OF VIBRATION AND JARRING OVER THE ROUGH SURFACE AND THE FRICTION OF THE STONE MATRIX AGAINST SOILS ATTACHED TO VEHICLE TIRES.

E. STORM SEWER INLET PROTECTION – CURB AND GRATED INLETS ARE PROTECTED FROM THE INTRUSION OF SILT AND SEDIMENT THROUGH A VARIETY OF MEASURES AS SHOWN ON THE CONSTRUCTION DRAWINGS. THE PRIMARY MECHANISM IS TO PLACE CONTROLS IN THE PATH OF FLOW SUFFICIENT TO SLOW SEDIMENT-LADEN WATER TO ALLOW SETTLEMENT OF SUSPENDED SOILS BEFORE DISCHARGING INTO THE STORM SEWER. CONTROLS TYPICALLY PROVIDE A SECONDARY BENEFIT BY MEANS OF FILTRATION. GRATED INLETS TYPICALLY INCLUDE A STURDY FRAME WRAPPED IN SILT FENCE OR CRUSHED STONE-LINED PERIMETER TO SLOW THE FLOW OF WATER. CURB INLETS TYPICALLY INCLUDE CRUSHED STONE BARRIERS HELD IN PLACE WITH SILT FENCE MATERIAL OR GEOTEXTILE FABRIC.

F. A TEMPORARY DIVERSION IS A SWALE AND/OR DIKE USED TO DIRECT SEDIMENT-LADEN RUNOFF TO A SETTLING POND, ROUTE CLEAN RUNOFF AWAY FROM DISTURBED AREAS, DIVERT RUNOFF TO REDUCE THE EFFECTIVE LENGTH OF THE SLOPE AND DIRECT RUNOFF AWAY FROM STEEP CUT OR FILL SLOPES.

C. OTHER POLLUTANT CONTROLS

CONTROL OF SEDIMENTS HAS BEEN DESCRIBED PREVIOUSLY. OTHER ASPECTS OF THIS SWPPP ARE LISTED BELOW:

1. DUST CONTROL – CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE AT THE STABILIZED CONSTRUCTION ENTRANCE. THE PURPOSE IS TO TRAP DUST AND MUD THAT WOULD OTHERWISE BE CARRIED OFF-SITE BY CONSTRUCTION TRAFFIC.

WATER TRUCKS WILL BE USED AS NEEDED DURING CONSTRUCTION TO REDUCE DUST GENERATED ON THE SITE. DUST CONTROL MUST BE PROVIDED BY THE GENERAL CONTRACTOR TO A DEGREE THAT IS ACCEPTABLE TO THE ENGINEER, AND IN COMPLIANCE WITH APPLICABLE LOCAL AND STATE DUST CONTROL REGULATIONS. AFTER CONSTRUCTION, THE SITE WILL BE STABILIZED (AS DESCRIBED ELSEWHERE), WHICH WILL REDUCE THE POTENTIAL FOR DUST GENERATION.

2. SOLID WASTE DISPOSAL – NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORM WATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE MAJOR CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN CONTAINERS. THE CONTAINERS WILL BE EMPTIED AS NECESSARY BY A CONTRACT TRASH DISPOSAL SERVICE AND HAULED AWAY FROM THE SITE. THE LOCATION OF SOLID WASTE RECEPTACLES SHALL BE SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN.

SUBSTANCES THAT HAVE THE POTENTIAL FOR POLLUTING SURFACE AND/OR GROUNDWATER MUST BE CONTROLLED BY WHATEVER MEANS NECESSARY IN ORDER TO ENSURE THAT THEY DO NOT DISCHARGE FROM THE SITE. AS AN EXAMPLE, SPECIAL CARE MUST BE EXERCISED DURING EQUIPMENT FUELING AND SERVICING OPERATIONS. IF A SPILL OCCURS, IT MUST BE CONTAINED AND DISPOSED SO THAT IT WILL NOT FLOW FROM THE SITE OR ENTER GROUNDWATER, EVEN IF THIS REQUIRES REMOVAL, TREATMENT, AND DISPOSAL OF SOIL. IN THIS REGARD, POTENTIALLY POLLUTING SUBSTANCES SHOULD BE HANDLED IN A MANNER CONSISTENT WITH THE IMPACT THEY REPRESENT.

3. SANITARY FACILITIES – ALL PERSONNEL INVOLVED WITH CONSTRUCTION ACTIVITIES MUST COMPLY WITH STATE AND LOCAL SANITARY OR SEPTIC SYSTEM REGULATIONS. TEMPORARY SANITARY FACILITIES WILL BE PROVIDED BY THE CONTRACTOR AT THE SITE THROUGHOUT THE CONSTRUCTION PHASE. THEY MUST BE UTILIZED BY ALL CONSTRUCTION PERSONNEL AND WILL BE SERVICED BY A COMMERCIAL OPERATOR. THE LOCATION OF SANITARY FACILITIES SHALL BE SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN.

4. WATER SOURCE – NON-STORM WATER COMPONENTS OF SITE DISCHARGE MUST BE CLEAN WATER. WATER USED FOR CONSTRUCTION WHICH DISCHARGES FROM THE SITE MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL APPROVED BY THE STATE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC SUPPLY MUST NOT DISCHARGE FROM THE SITE. IT CAN BE RETAINED IN THE PONDS UNTIL IT INFILTRATES AND EVAPORATES.

5. CONCRETE WASTE FROM CONCRETE READY-MIX TRUCKS – DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE CONSTRUCTION SITE, BUT ONLY IN SPECIFICALLY DESIGNATED DIKED AREAS THAT HAVE BEEN PREPARED TO PREVENT CONTACT BETWEEN THE CONCRETE AND/OR WASH WATER AND STORM WATER THAT WILL BE DISCHARGED FROM THE SITE OR IN LOCATIONS WHERE WASTE CONCRETE CAN BE LACED INTO FORMS TO MAKE RIPRAP OR OTHER USEFUL CONCRETE PRODUCTS. THE CURED RESIDUE FROM THE CONCRETE WASHOUT DIKED AREAS SHALL BE DISPOSED IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS. THE JOBSITE SUPERINTENDENT IS RESPONSIBLE FOR ASSURING THAT THESE PROCEDURES ARE FOLLOWED. THE LOCATION OF CONCRETE WASHOUT AREAS SHALL BE ESTABLISHED BY THE SITE CONTRACTOR.

6. FUEL TANKS – TEMPORARY ON-SITE FUEL TANKS FOR CONSTRUCTION VEHICLES SHALL MEET ALL STATE AND FEDERAL REGULATIONS. TANKS SHALL HAVE APPROVED SPILL CONTAINMENT WITH THE CAPACITY REQUIRED BY THE APPLICABLE REGULATIONS. THE TANK SHALL BE IN SOUND CONDITION FREE OF RUST OR OTHER DAMAGE WHICH MIGHT COMPROMISE CONTAINMENT. HOSES, VALVES, FITTINGS, CAPS, FILLER NOZZLES, AND ASSOCIATED HARDWARE SHALL BE MAINTAINED IN PROPER WORKING CONDITION AT ALL TIMES. THE LOCATION OF FUEL TANKS SHALL ESTABLISHED BY THE SITE CONTRACTOR.

ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF OIL, GASOLINE OR ANTI-FREEZE LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

VEHICLE OIL CHANGING ON-SITE WILL BE PROHIBITED UNLESS THE OIL IS CAPTURED AND PROPERLY DISPOSED. ABSOLUTELY NO OIL, ANTI-FREEZE, FUEL OR USED FILTERS WILL BE DISCARDED ON-SITE.

FUEL TANKS SHALL BE STORED WITHIN EARTHEN DIKES AND OVER A LAYER OF VISQUEEN FABRIC.

PETROLEUM PRODUCT SPILLS OF 25 GALLONS OR MORE SHALL BE REPORTED TO OHIO EPA'S SPILL HOTLINE (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF A RELEASE. ALL SPILLS WHICH RESULT IN CONTACT WITH WATERS OF THE STATE MUST ALSO BE REPORTED TO OHIO EPA'S HOTLINE.

THE GENERAL CONTRACTOR SHALL DESIGNATE AREAS FOR EQUIPMENT CLEANING, MAINTENANCE, AND REPAIR. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL UTILIZE SUCH DESIGNATED AREAS. CLEANING, MAINTENANCE, AND REPAIR AREAS SHALL BE PROTECTED BY A TEMPORARY PERIMETER BERM.

7. LONG-TERM POLLUTANT CONTROLS – STORM WATER POLLUTANT CONTROL MEASURES INSTALLED DURING CONSTRUCTION, THAT WILL ALSO PROVIDE BENEFITS AFTER CONSTRUCTION, INCLUDE MAKE A POSITIVE STATEMENT ABOUT ANY LONG TERM POLLUTION CONTROL DEVICES THAT WILL BE USED. THOSE SEDIMENT BARRIERS THAT DO NOT INTERFERE WITH NORMAL OPERATIONS AND APPEAR TO PROVIDE LONG-TERM BENEFITS CAN BE LEFT IN PLACE AFTER CONSTRUCTION IS COMPLETED.

8. HAZARDOUS WASTE – ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND STORED ON-SITE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND LOCAL, STATE AND FEDERAL REGULATIONS. ALL INCOMPATIBLE MATERIALS WILL BE KEPT ISOLATED FROM ONE ANOTHER AND STORED IN A SECURE, WELL VENTILATED AREA WITH SUFFICIENT CONTAINMENT WHEN NOT IN USE.

ALL HAZARDOUS WASTE GENERATED FROM THE CONSTRUCTION ACTIVITY WILL BE PROPERLY IDENTIFIED AND PACKAGED FOR DISPOSAL IN ACCORDANCE WITH APPLICABLE EPA AND DOT REGULATIONS. ABSOLUTELY NO HAZARDOUS MATERIALS OR WASTES WILL BE DISPOSED OF IN THE SOLID WASTE DUMPSTERS. HAZARDOUS WASTES WILL BE PROPERLY MANIFESTED AND DISPOSED THROUGH AN APPROVED PERMITTED WASTE HANDLING FACILITY. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE STRICTLY FOLLOWED.

9. MATERIAL MANAGEMENT PRACTICES – THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

A. GOOD HOUSEKEEPING – THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
- ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

B. HAZARDOUS PRODUCTS – THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OF LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

D. DEWATERING

ALL DEWATERING FLOWS ARE TO BE SETTLED IN SEDIMENTATION BASINS OR DIRECTED THROUGH FILTERING DEVICES BEFORE DISCHARGE TO STABILIZED SITES, SUCH AS STREAMS OR STORM SEWERS; NOT ONTO EXPOSED SOILS, STREAM BANKS, OR ANY OTHER SITE WHERE THE FLOW COULD CAUSE EROSION.

SILT FROM CONSTRUCTION OPERATIONS SHALL NOT BE PERMITTED TO ENTER THE STORM SEWER SYSTEM. WHEN CONSTRUCTION OCCURS NEAR STORM SEWER INLETS, EROSION CONTROL MEASURES SUCH AS INLET FILTERS AND HAY BALES SHALL BE USED TO PREVENT SILT FROM ENTERING THE STORM SEWERS.

CONVEY WATER FROM THE CONSTRUCTION SITE IN A CLOSED CONDUIT. DO NOT USE TRENCH EXCAVATIONS AS TEMPORARY DRAINAGE DITCHES.

E. PROHIBITED CONSTRUCTION ACTIVITIES

1. DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOODPLAIN, EVEN WITH THE PERMISSION OF THE PROPERTY OWNER;
2. LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS;
3. INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS;
4. PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS, OR STORM SEWERS; ALL SUCH WATER WILL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO RELEASE;
5. DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE AND OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS IMPOUNDMENTS, OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO;
6. PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOW LINE OF ANY STREAM;
7. DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA;
8. DISPOSING OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM CORRIDOR, ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS;
9. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT;
10. DISCHARGING INJURIOUS SILICA DUST CONCENTRATIONS INTO THE ATMOSPHERE RESULTING FROM BREAKING, CUTTING, CHIPPING, DRILLING, BUFFING, GRINDING, POLISHING, SHAPING, OR SURFACING CLOSER THAN 200 FEET TO PLACES OF RESIDENCES OR COMMERCIAL, PROFESSIONAL, QUASI-PUBLIC OR PUBLIC PLACES OF HUMAN OCCUPATION.
11. DISCHARGE OF OIL OR OTHER HAZARDOUS SUBSTANCES INTO STORM WATER OR THE STORM WATER (STORM SEWER) SYSTEM IS SUBJECT TO REPORTING AND CLEANUP REQUIREMENTS.
12. STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR PRIVATE, NOT PREVIOUSLY SPECIFIED ON THE PLANS BY THE ENGINEER FOR SUCH PURPOSES;
13. RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE PROPERTY OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT THE WRITTEN PERMISSION OF THE PROPERTY OWNER AND THE CONSENT OF THE ENGINEER.

VI. LOCAL PLANS

IN ADDITION TO THIS SWPPP, CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST COMPLY WITH ANY GUIDELINES SET FORTH BY LOCAL REGULATORY AGENCIES. THE GENERAL CONTRACTOR SHALL MAINTAIN DOCUMENTS EVIDENCING SUCH COMPLIANCE THE SWPPP.

VII. INSPECTIONS AND SYSTEM MAINTENANCE

ALL DISTURBED AREAS, MATERIAL STORAGE AREAS, EROSION AND SEDIMENT CONTROL MEASURES, DISCHARGE LOCATIONS, AND VEHICLES ACCESS POINTS SHALL BE OBSERVED THROUGHOUT THE DURATION OF THE PROJECT.

BETWEEN THE TIME THIS SWPPP IS IMPLEMENTED AND FINAL NOTICE OF TERMINATION HAS BEEN SUBMITTED, ALL DISTURBED AREAS AND POLLUTANT CONTROLS MUST BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. THE PURPOSE OF SITE INSPECTIONS IS TO ASSESS PERFORMANCE OF POLLUTANT CONTROLS. THE GENERAL CONTRACTOR HAS DUTY TO CAUSE POLLUTANT CONTROL MEASURES TO BE REPAIRED, MODIFIED, MAINTAINED, SUPPLEMENTED, OR TAKE ADDITIONAL STEPS AS NECESSARY IN ORDER TO ACHIEVE EFFECTIVE POLLUTANT CONTROL.

EXAMPLES OF SPECIFIC ITEMS TO EVALUATE DURING SITE INSPECTIONS ARE LISTED BELOW. THIS LIST IS NOT INTENDED TO BE COMPREHENSIVE. DURING EACH INSPECTION, THE INSPECTOR MUST EVALUATE OVERALL POLLUTANT CONTROL SYSTEM PERFORMANCE AS WELL AS PARTICULAR DETAILS OF INDIVIDUAL SYSTEM COMPONENTS. ADDITIONAL FACTORS SHOULD BE CONSIDERED AS APPROPRIATE TO THE CIRCUMSTANCES.

A. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. A STABILIZED CONSTRUCTION EXIT SHALL BE CONSTRUCTED WHERE VEHICLES ENTER AND EXIT. EXITS SHALL BE MAINTAINED OR SUPPLEMENTED AS NECESSARY TO PREVENT THE RELEASE OF SEDIMENT FROM VEHICLES LEAVING THE SITE.

B. SEDIMENT BARRIERS MUST BE INSPECTED AND THEY MUST BE EXTENDED OR CLEANED AT SUCH TIME AS THEIR ORIGINAL CAPACITY HAS BEEN REDUCED BY 50 PERCENT. ALL MATERIAL EXCAVATED FROM BEHIND SEDIMENT BARRIERS SHALL BE STOCKPILED ON THE UP-SLOPE SIDE. ADDITIONAL SEDIMENT BARRIERS MUST BE CONSTRUCTED AS NEEDED.

C. INSPECTIONS SHALL EVALUATE DISTURBED AREAS AND AREAS USED FOR STORING MATERIALS THAT ARE EXPOSED TO RAINFALL FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS, ENTERING THE DRAINAGE SYSTEM OR DISCHARGING FROM THE SITE. IF NECESSARY, THE MATERIALS MUST BE COVERED OR ORIGINAL COVERS MUST BE REPAIRED OR SUPPLEMENTED. ALSO, PROTECTIVE BERMS MUST BE CONSTRUCTED, IF NEEDED, IN ORDER TO CONTAIN RUNOFF FROM MATERIAL STORAGE AREAS.

D. GRASSED AREAS SHALL BE INSPECTED TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED. THE SITE HAS ACHIEVED FINAL STABILIZATION ONCE ALL AREAS ARE COVERED WITH BUILDING FOUNDATION OR PAVEMENT, OR HAVE A STAND OF GRASS WITH AT LEAST 70 PERCENT DENSITY. THE DENSITY OF 70 PERCENT OR GREATER MUST BE MAINTAINED TO BE CONSIDERED AS STABILIZED. AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT.

E. ALL DISCHARGE POINTS MUST BE INSPECTED TO DETERMINE WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.

F. THE INSPECTION REPORT FORM MUST IDENTIFY ALL DEFICIENCIES, ANY CORRECTIONS, WHETHER THEY ARE IDENTIFIED DURING THE CURRENT INSPECTION OR HAVE OCCURRED SINCE THE PREVIOUS INSPECTION, AND ANY ADDITIONAL COMMENTS. FOR INSPECTIONS FOLLOWING A 0.5" OR HIGHER RAIN EVENT, REPORT SHALL CLEARLY NOTE THE RAINFALL TOTAL AS MEASURED IN THE ON-SITE RAIN GAUGE. BASED ON INSPECTION RESULTS, ANY MODIFICATIONS NECESSARY TO INCREASE EFFECTIVENESS OF THIS SWPPP TO AN ACCEPTABLE LEVEL MUST BE MADE PER THE FOLLOWING SEQUENCE(S):

1. WHEN PRACTICES REQUIRE REPAIR OR MAINTENANCE: IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE IS IN NEED OF REPAIR OR MAINTENANCE, WITH THE EXCEPTION OF A SEDIMENT SETTLING POND, IT MUST BE REPAIRED OR MAINTAINED WITHIN THREE DAYS OF THE INSPECTION. SEDIMENT SETTLING PONDS MUST BE REPAIRED OR MAINTAINED WITHIN 10 DAYS OF THE INSPECTION.
2. WHEN PRACTICES FAIL TO PROVIDE THEIR INTENDED FUNCTION: IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE FAILS TO PERFORM ITS INTENDED FUNCTION AND THAT ANOTHER, MORE APPROPRIATE CONTROL PRACTICE IS REQUIRED, THE SWPPP MUST BE AMENDED AND THE NEW CONTROL PRACTICE MUST BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
3. WHEN PRACTICES DEPICTED ON THE SWP3 ARE NOT INSTALLED: IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE HAS NOT BEEN IMPLEMENTED IN ACCORDANCE WITH THE CONTROL MEASURE SCHEDULE, THE CONTROL PRACTICE MUST BE IMPLEMENTED WITHIN 10 DAYS FROM THE DATE OF THE INSPECTION. IF THE INSPECTION REVEALS THAT THE PLANNED CONTROL PRACTICE IS NOT NEEDED, THE RECORD MUST CONTAIN A STATEMENT OF EXPLANATION AS TO WHY THE CONTROL PRACTICE IS NOT NEEDED.

THE INSPECTION REPORTS MUST BE COMPLETE AND ADDITIONAL REMARKS SHOULD BE INCLUDED IF NEEDED TO FULLY DESCRIBE A SITUATION. THE INSPECTION REPORT MUST IDENTIFY WHETHER THE SITE WAS IN COMPLIANCE WITH THE SWPPP AT THE TIME OF INSPECTION AND SPECIFICALLY IDENTIFY ALL INCIDENTS OF NON-COMPLIANCE.

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REV.	DATE	DESCRIPTION
	2/3/23	VILLAGE SUBMITTAL

POGGEMEYER DESIGN GROUP
A KLEINFELDER COMPANY
1168 NORTH MAIN STREET
BOWLING GREEN, OH 43402
PH: (419) 352-7537

DHL SUPPLY CHAIN
ASHVILLE LOGISTICS PARK
ASHVILLE, OHIO

EROSION AND SEDIMENT CONTROL NOTES

DRAWN BY: MEK
CHECKED BY: KAM

STATE OF OHIO
KENNETH A. MAAG
53316
REGISTERED PROFESSIONAL ENGINEER

15

DATE 09/13/2022

PROJECT NUMBER 20224880.001A

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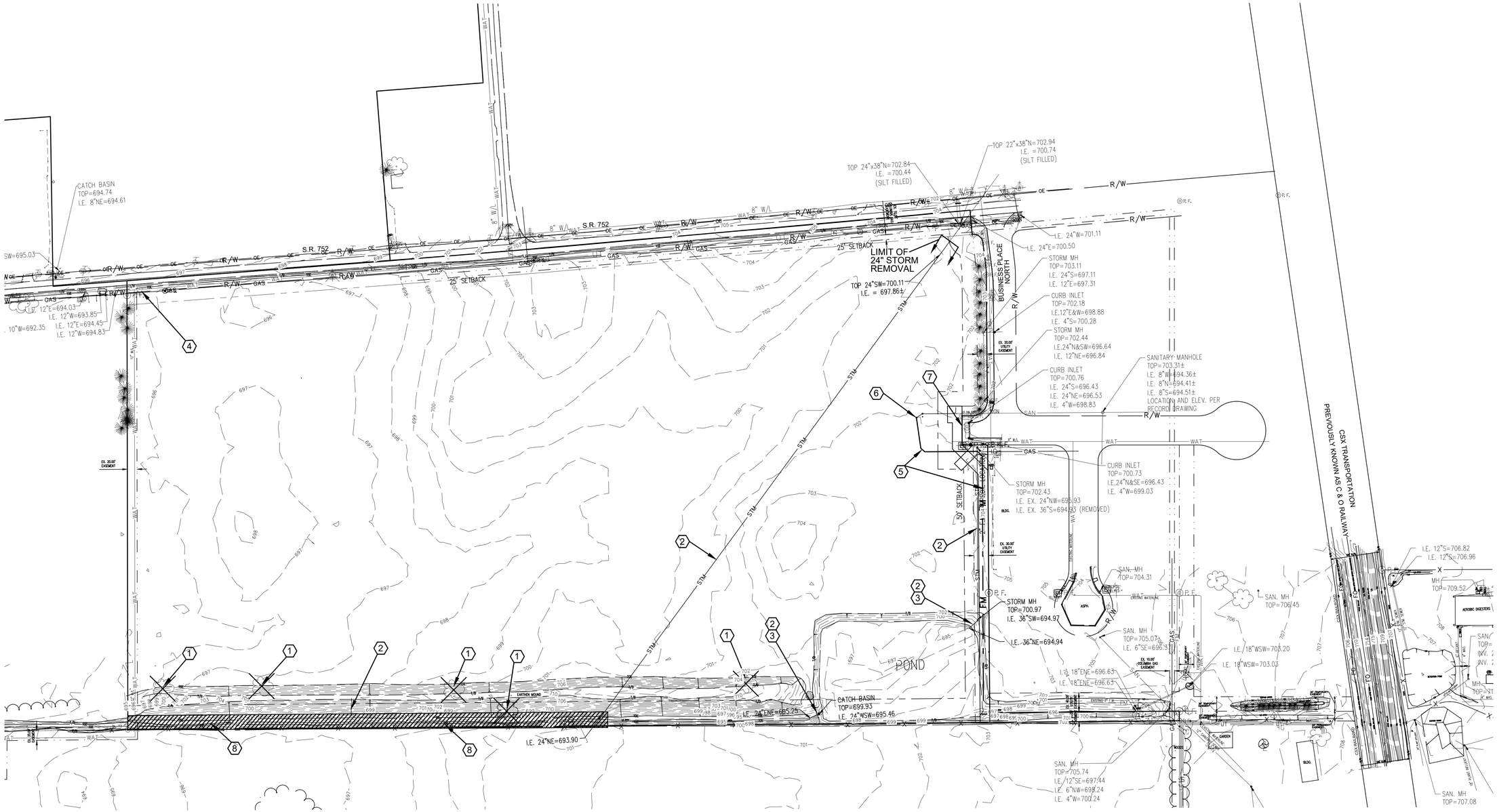

REMOVAL TABLE

1. TREE TO BE REMOVED.
2. REMOVE STORMWATER PIPING.
   (ALL DRAINAGE TILE WILL BE REMOVED DURING THE EXCAVATION AND EMBANKMENT CONSTRUCTION).
3. REMOVE STORMWATER STRUCTURE (FULL DEPTH).
4. REMOVE AND RELOCATED FIRE HYDRANT.
   COORDINATE WITH VILLAGE OF ASHVILLE.
5. REMOVE EXISTING FORCE MAIN. PLUG AT PROPERTY LINE.
6. REMOVE EXISTING E-1 GRINDER PUMP, INCLUDING ELECTRICAL CONTROLS AND ELECTRICAL SERVICE DROP.
7. REMOVE POST
8. CONTRACTOR TO NOT DISTURB AREA
   JURISDICTIONAL WETLAND

GRAPHIC SCALE
100 0 100 200
(IN FEET)

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DHL SUPPLY CHAIN
ASHVILLE LOGISTICS PARK
ASHVILLE, OHIO

EXISTING TOPOGRAPGHY AND DEMOLITION PLAN

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STATE OF OHIO
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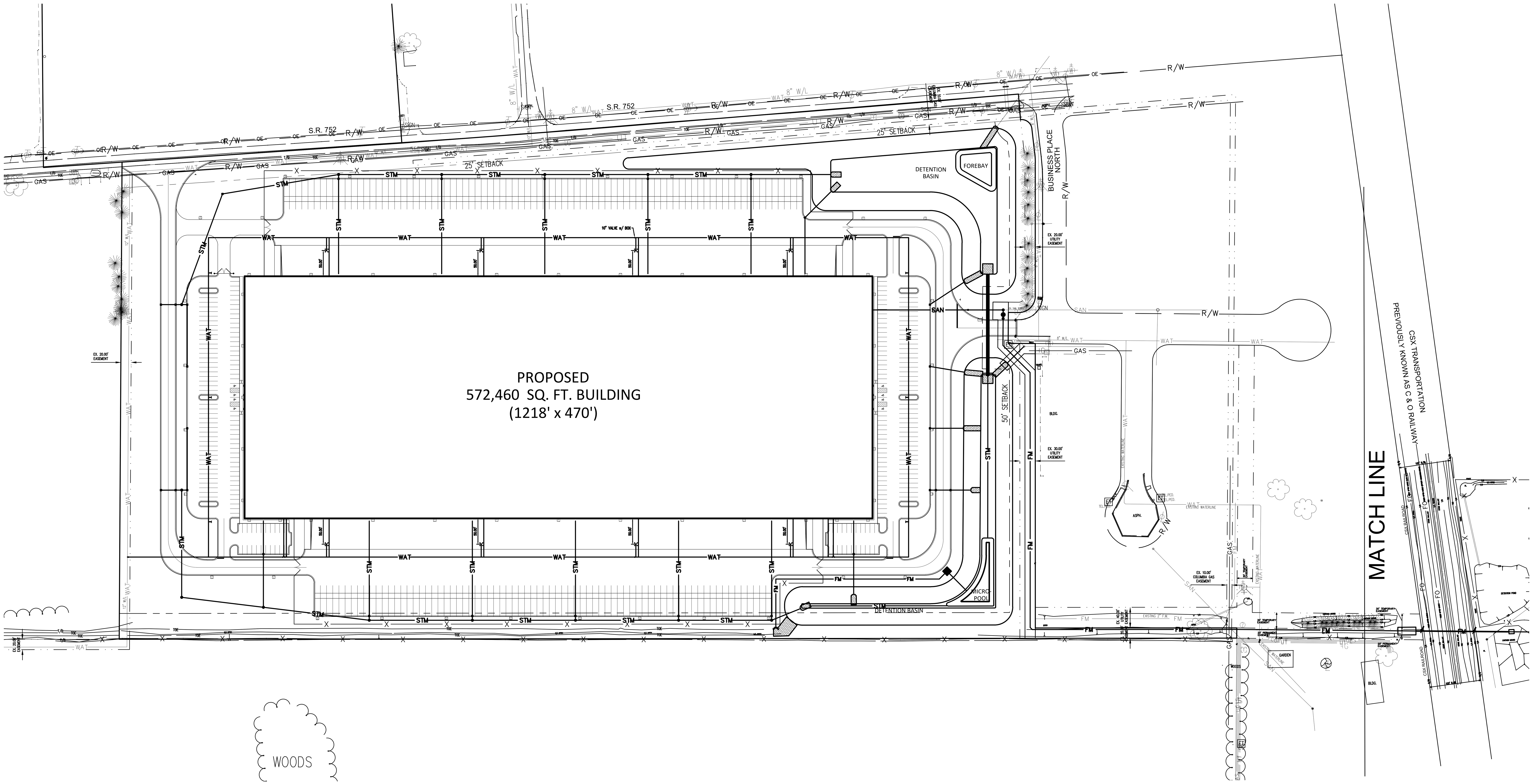

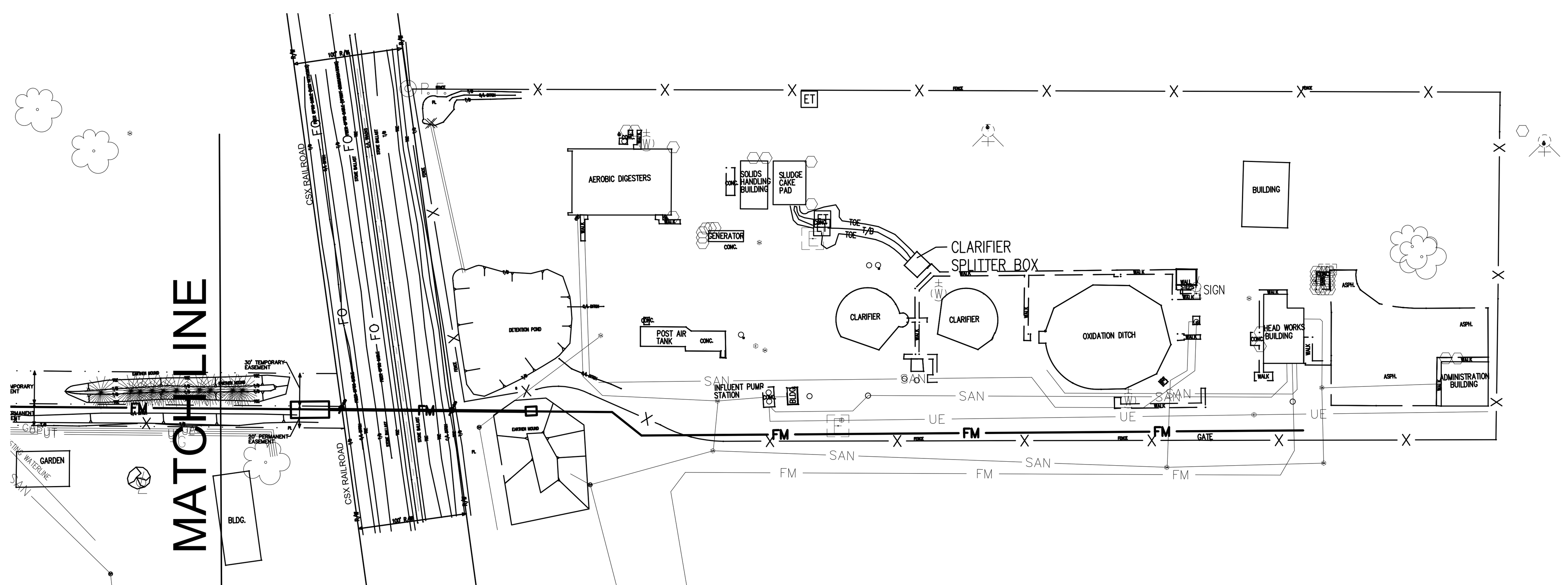

GRAPHIC SCALE

100 0 100 200

(IN FEET)

ZONING

ZONING – LI (LIMITED INDUSTRIAL DISTRICT)

SETBACKS

25' FRONT YARD SETBACK
50' SIDE YARD SETBACK
50' REAR YARD SETBACK
MAX. BLDG. HEIGHT 50'

SITE DATA

TOTAL SITE ....40.366 ACRES
EXISTING R/W.................................1.001 ACRES
WETLANDS..0.70 ACRES

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DHL SUPPLY CHAIN
ASHVILLE LOGISTICS PARK
ASHVILLE, OHIO

OVERALL PROPOSED SITE PLAN

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53316
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PROFESSIONAL ENGINEER

[illegible]

17

DATE
09/13/2022

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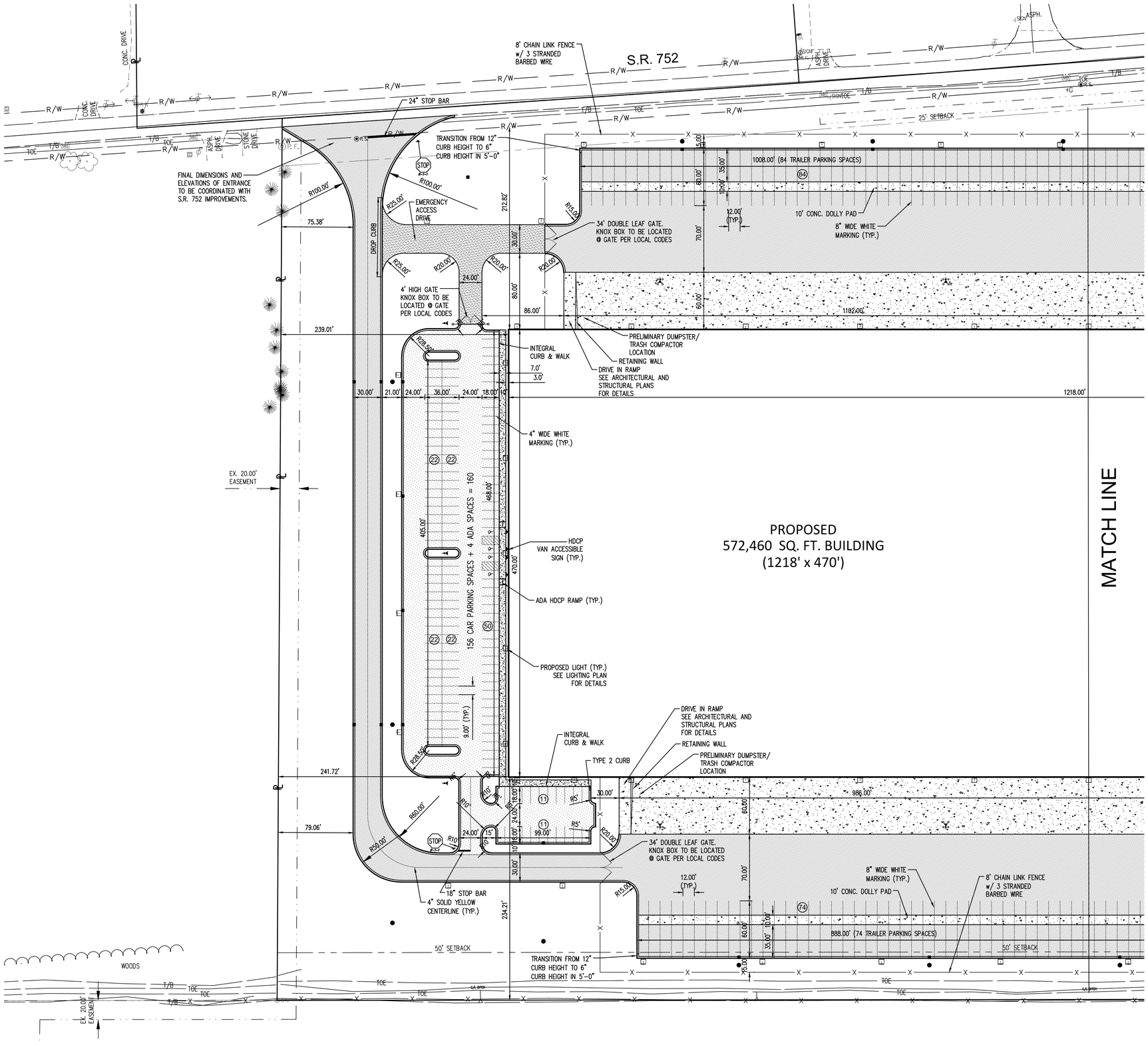

PAVEMENT LEGEND

- HEAVY DUTY ASPHALT
- LIGHT DUTY ASPHALT
- CONCRETE PAVEMENT
- CONCRETE WALK/STOOP
- AGGREGATE PAVEMENT
- ROCK CHANNEL PROTECTION

GRAPHIC SCALE
50 0 50 100
(IN FEET)

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DHL SUPPLY CHAIN
ASHVILLE LOGISTICS PARK
ASHVILLE, OHIO

DIMENSION AND PAVEMENT PLAN

DRAWN BY	CHECKED BY
MEK	KAM

STATE OF OHIO
KENNETH A. MAAG
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REGISTERED PROFESSIONAL ENGINEER

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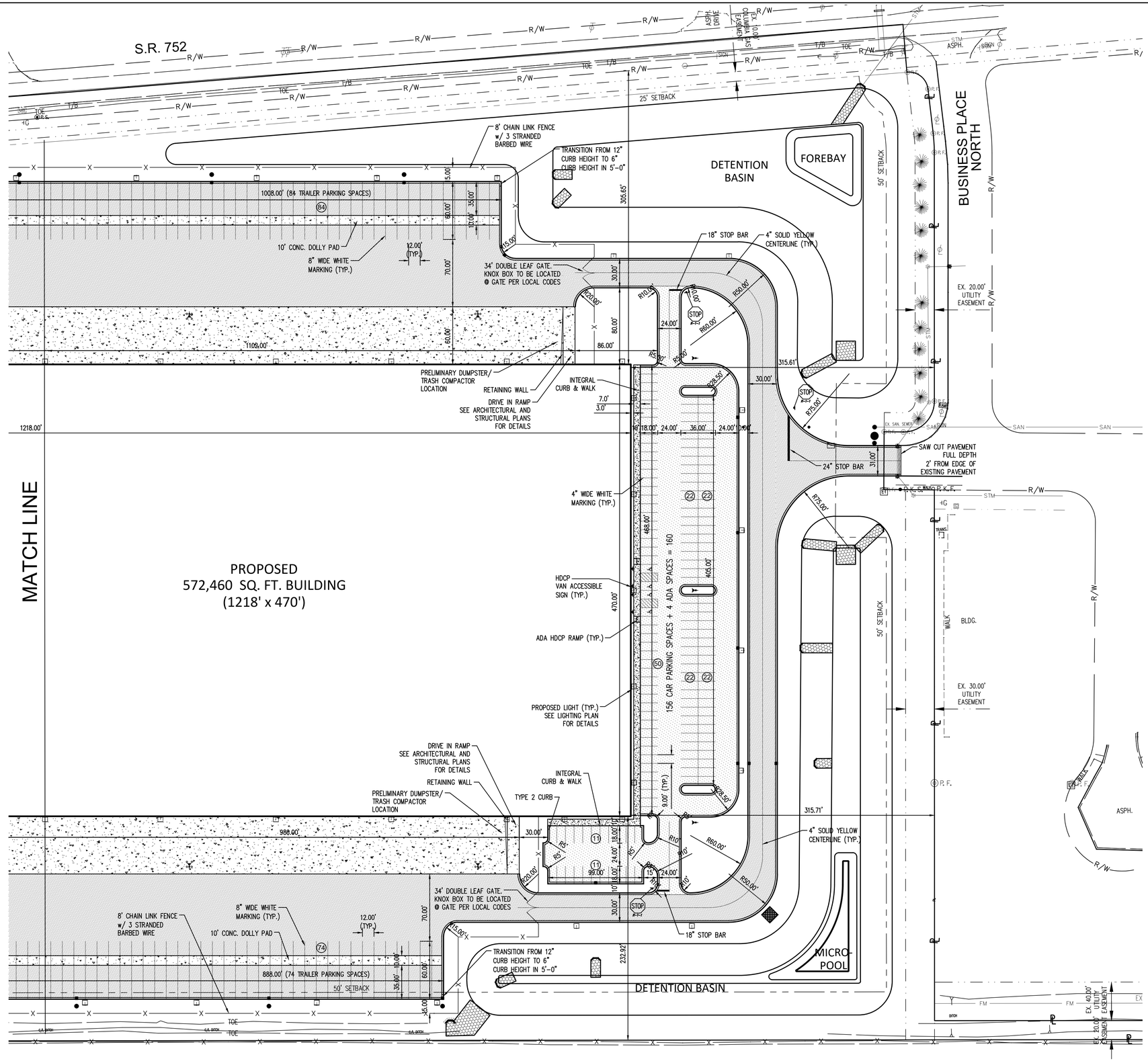

PAVEMENT LEGEND

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GRAPHIC SCALE
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(IN FEET)

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ASHVILLE LOGISTICS PARK
ASHVILLE, OHIO

DIMENSION AND PAVEMENT PLAN

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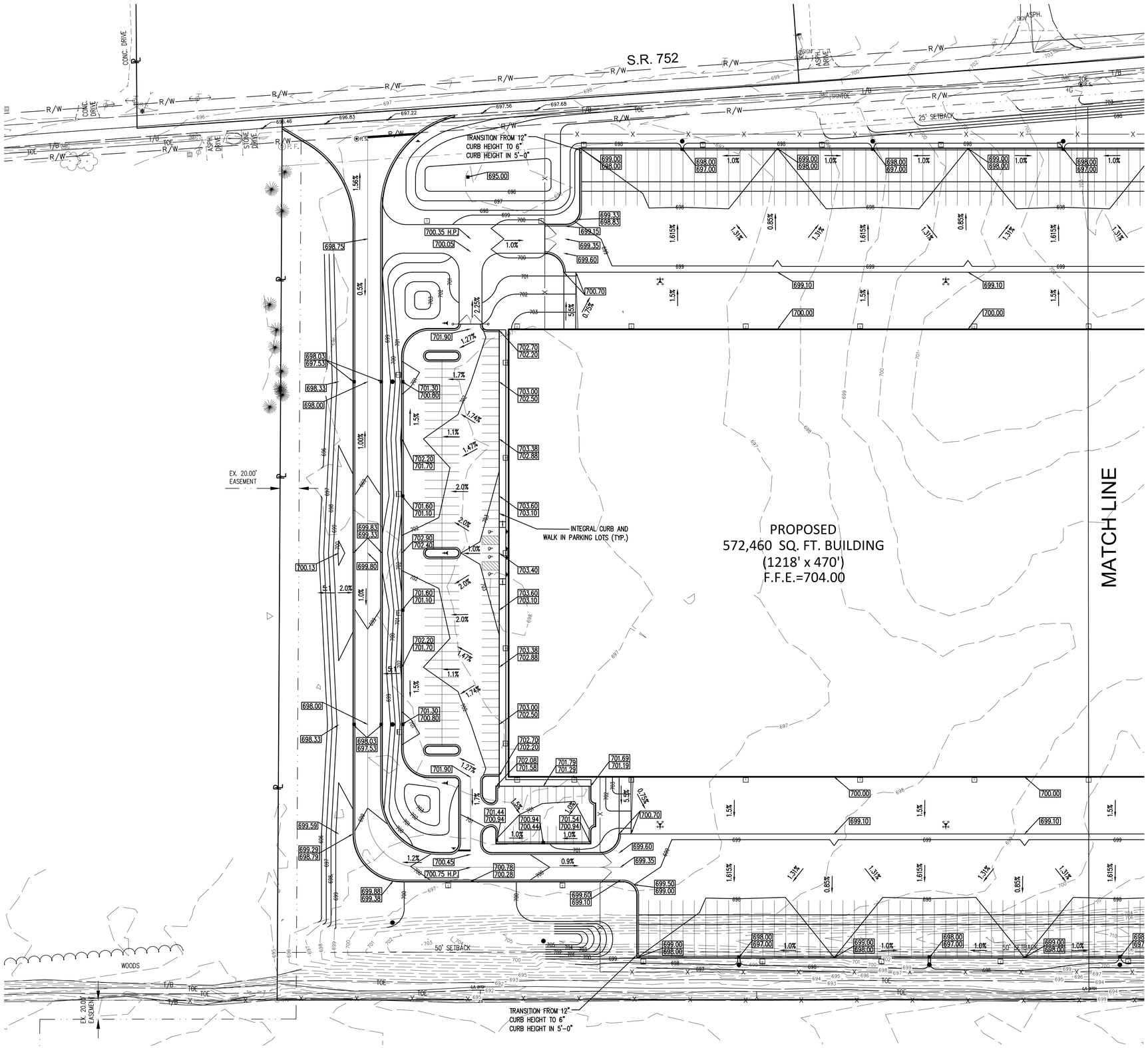

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ASHVILLE, OHIO

GRADING PLAN

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