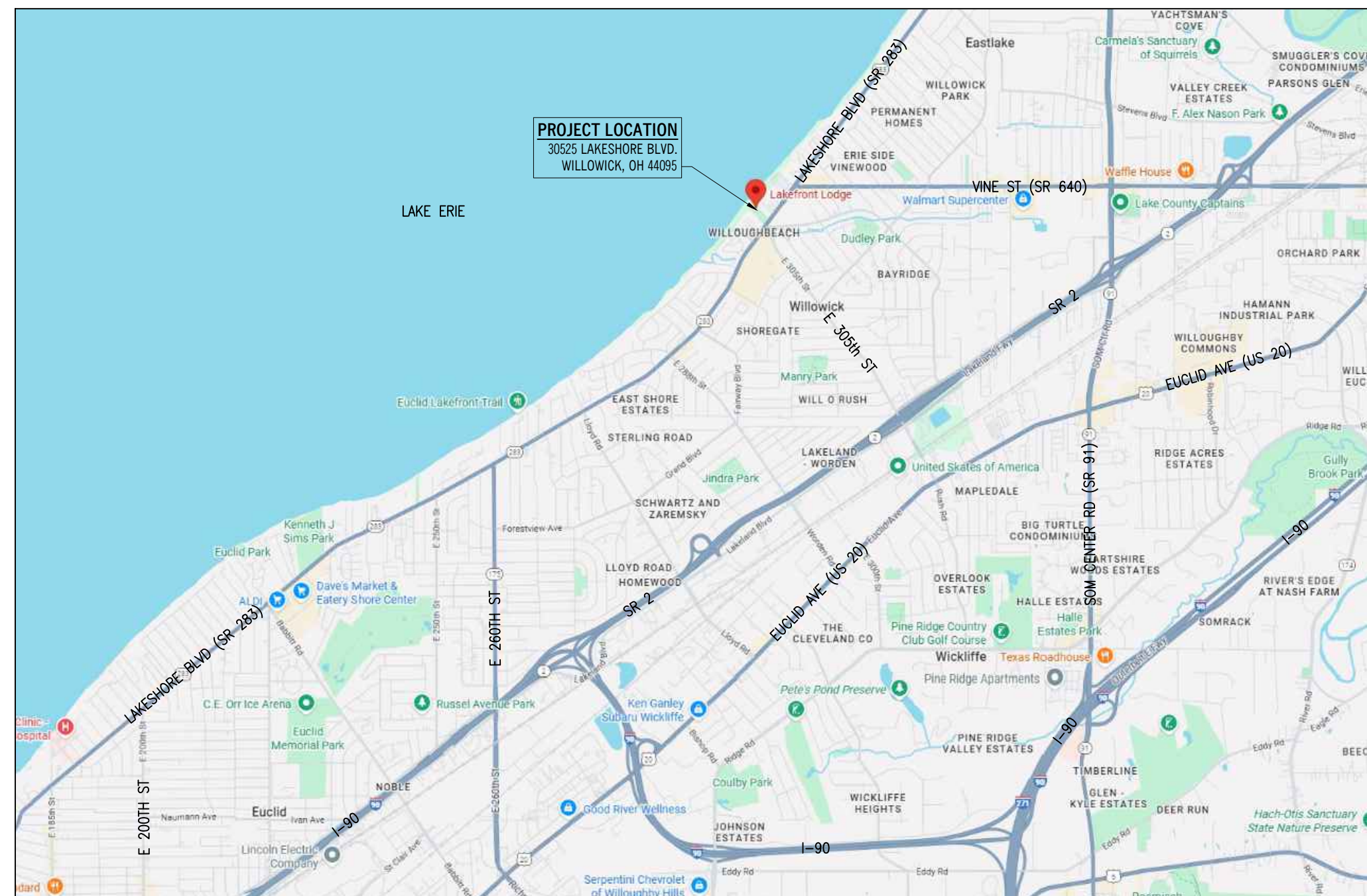
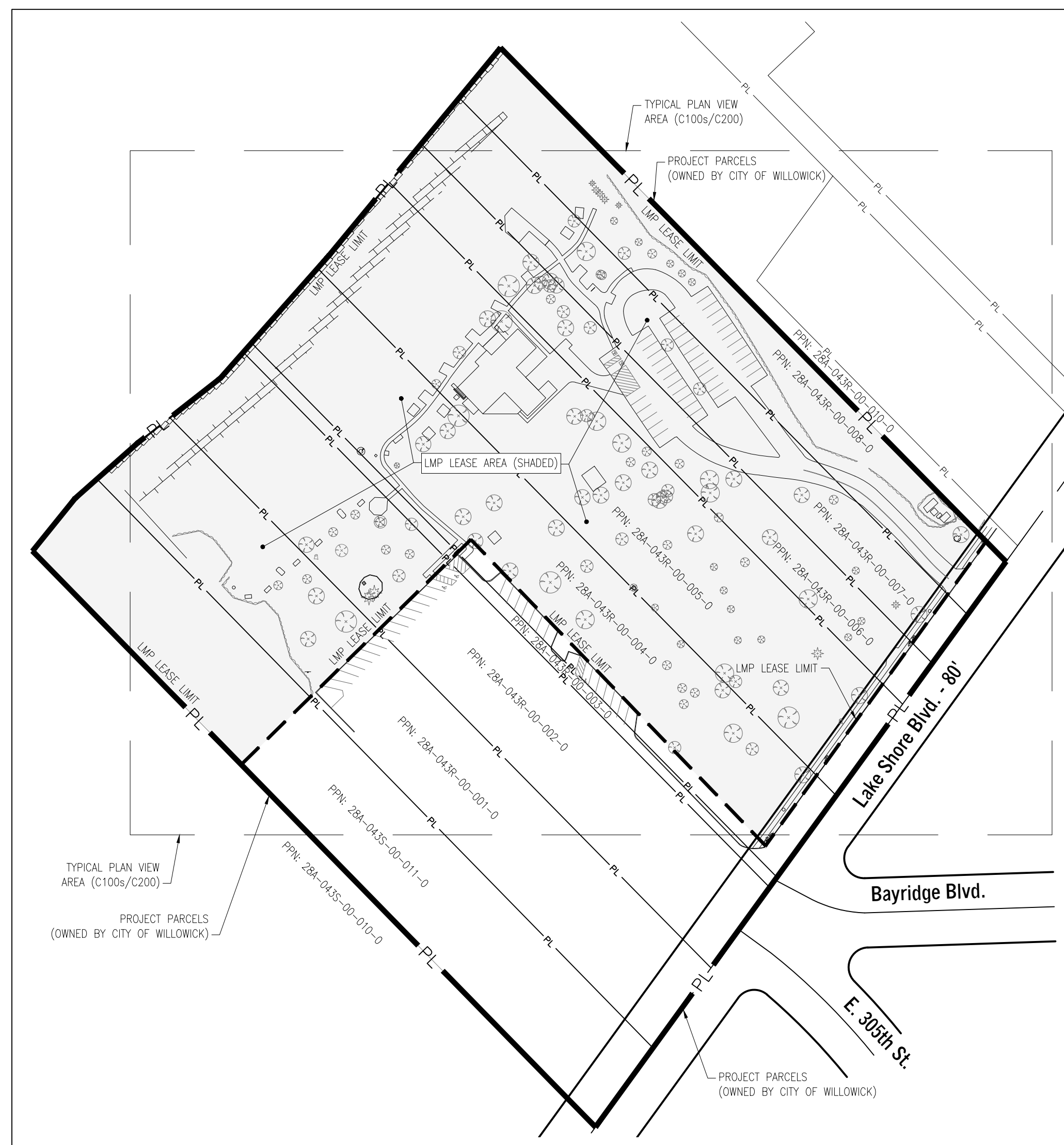


LAKEFRONT LODGE

30525 LAKESHORE BOULEVARD
WILLOWICK, OHIO 44095



PROJECT VICINITY MAP
NO SCALE



PROJECT PARCEL MAP
SCALE: 1" = 100'

PROJECT PARCEL DATA

PARCEL NUMBER	ADDRESS	AREA (AC)	OWNER
28-A-043-R-00-008-0	30535 LAKE SHORE BLVD	1.21	CITY OF WILLOWICK
28-A-043-R-00-007-0	30531 LAKE SHORE BLVD	1.16	CITY OF WILLOWICK
28-A-043-R-00-006-0	0 LAKE SHORE BLVD	0.95	CITY OF WILLOWICK
28-A-043-R-00-005-0	30525 LAKE SHORE BLVD	2.19	CITY OF WILLOWICK
28-A-043-R-00-004-0	0 LAKE SHORE BLVD	2.00	CITY OF WILLOWICK
28-A-043-R-00-003-0	0 LAKE SHORE BLVD	0.25	CITY OF WILLOWICK
28-A-043-R-00-002-0	30441 LAKE SHORE BLVD	2.00	CITY OF WILLOWICK
28-A-043-R-00-001-0	30435 LAKE SHORE BLVD	2.00	CITY OF WILLOWICK
28-A-043-S-00-011-0	30417 LAKE SHORE BLVD	2.00	CITY OF WILLOWICK

TOTAL PROJECT PARCEL AREA = 13.76 ACRES

PROPOSED DISTURBED AREA = 0.90 ACRES

LAND SURVEY NOTES

LAND SURVEY DATA SHOWN ON THE CIVIL PLAN SHEETS HAS BEEN REFERENCED FROM AN EXISTING CONDITIONS FIELD SURVEY PERFORMED BY WILLIAM C. VONDRA JR. (S-7478) OF WED DESIGN CONSULTANTS, DATED 02/27/2025. LDC CONTRACT NO. LAKEP1-2501. LDC FILE NAME: BASE-LODGE.

CIVIL ENGINEER

ROCKAWAY CIVIL LLC
10191 SPERRY ROAD
KIRTLAND, OHIO 44094
JOHN URBANICK, PE 66506
440.655.8182
JURBANICK@ROCKAWAYCIVIL.COM

CIVIL SHEET INDEX

C001	CIVIL COVER SHEET
C100	DEMOLITION PLAN
C101	SITE PLAN
C102	UTILITY PLAN
C103	GRADING PLAN
C200	SWP-3-1
C201	SWP-3-2
C300	DETAILS
C301	DETAILS

PROJECT GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS INCLUDED ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS AND THE CURRENT REQUIREMENTS OF THE CITY ENGINEER.
- ANY DEFECTS IN THE CONSTRUCTION WITHIN THE RIGHT OF WAY INCLUDING MATERIALS OR WORKMANSHIP SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT BY THE CONTRACTOR OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE MUNICIPAL ENGINEER AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO ROAD SURFACES, SIGNS, GUARDRAILS, MAIL/PAPER BOXES, CURBS, EASEMENTS OR RIGHT OF WAYS DISTURBED BY CONSTRUCTION OF ANY PART OF THIS IMPROVEMENT. ALL DAMAGES SHALL BE RESTORED AT NO COST TO THE MUNICIPALITY TO THE ORIGINAL CONDITION. THE MUNICIPAL ENGINEER IN WRITING SHALL ACCEPT APPROVAL OF RESTORATION.
- THE CONTRACTOR SHALL NOT COMMENCE WITH ANY FORM OF CONSTRUCTION WITHOUT NOTIFYING THE OFFICE OF THE MUNICIPAL ENGINEER AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.
- THE CONTRACTOR SHALL PROVIDE A TWENTY-FOUR (24) HOUR, SEVEN DAYS A WEEK EMERGENCY CONTACT LIST. THE CONTACT LIST SHALL INCLUDE CONTACT NAMES AND PHONE NUMBERS OF INDIVIDUALS WHO CAN BE REACHED AT ANY TIME. NO CONSTRUCTION SHALL OCCUR BEFORE CONTACT LIST IS PROVIDED TO THE MUNICIPALITY.
- ALL LAWN AREAS REMOVED OR DISTURBED SHALL BE REPLACED BY SEEDING AND MULCHING IN ACCORDANCE WITH ITEM 659 OF ODOT SPECIFICATIONS AND SHALL BE RESEED AND MULCHED WHEN REQUESTED IF SATISFACTORY RE-ESTABLISHMENT OF LAWN DOES NOT OCCUR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING PUBLIC WATER, STORM AND SANITARY SYSTEM RESULTING FROM NON-COMFORMANCE WITH THE APPLICABLE STANDARDS OR THROUGH GENERAL NEGLIGENCE.
- ALL VOIDS CREATED FROM BORING OF UTILITY LINES SHALL BE BACKFILLED WITH SAND OR GROUT. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES AND SHALL BACKFILL AND GRADE EXCAVATED AREAS TO ELIMINATE PONDING ON THE SITE.
- DUST CONTROL: THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY INCLUDING A DUST-FREE STREET SWEEPING DEVICE OR AS DIRECTED BY THE MUNICIPAL ENGINEER TO MAINTAIN ALL ROADWAYS BEING USED FOR ACCESS TO THE CONSTRUCTION SITE.
- EROSION CONTROL: THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY EROSION CONTROL METHODS IN ACCORDANCE WITH CURRENT COUNTY AND STATE REQUIREMENTS AND AS REQUIRED BY THE MUNICIPAL ENGINEER. EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CLEAN ALL EXISTING STREETS OF MUD AND DIRT DURING THE CONSTRUCTION PHASE AS NEEDED OR DIRECTED BY THE MUNICIPAL ENGINEER.
- GENERAL SEWER:
 - AT ALL STORM SEWER, SANITARY SEWER, AND/OR WATERMAN INTERSECTIONS HAVING LESS THAN EIGHTEEN (18) INCH VERTICAL SEPARATION, ENCASE THE LOWER AND MONOLITHICALLY GRADE THE UPPER PIPE IN 3000 PSI CONCRETE PER THE REQUIREMENTS OF THE UNIFORM STANDARD CONCRETE ENCASEMENT DETAIL.
- LINE AND GRADE CONTROL:
 - THE LINE AND GRADE OF SEWER MAINS SHALL BE CONTROLLED DURING SEWER CONSTRUCTION BY USE OF AN APPROVED LASER DEVICE. THE LINE AND GRADE OF THE LASER SHALL BE "CHECKED" FROM LINE AND GRADE STAKES AT A MAXIMUM OF FIFTY FOOT (50) INTERVALS.
- EARTHWORK:
 - WHenever UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED THAT ARE NOT INDICATED ON THE PLANS, THE WORK SHALL BE DISCONTINUED UNTIL THE GEOTECHNICAL ENGINEER APPROVES THE METHOD AND MATERIAL TO BE INCORPORATED INTO THE WORK.
 - ALL UNDESIRABLE UNDERGROUND OR ABOVE GROUND UTILITIES OR CONDITIONS THAT ARE DISCOVERED IN THE PROJECT AREA DURING CONSTRUCTION SHALL BE REPORTED BY THE CONTRACTOR TO THE DESIGN ENGINEER IMMEDIATELY FOR EVALUATION / POSSIBLE REDESIGN. THE FIELD DATA SHALL INCLUDE MATERIAL TYPE, SIZE, CONDITION, LOCATION, DEPTH / ELEVATION, ETC...
- ** REFER TO TRENCH EXCAVATION, BOTTOM PREPARATION AND BACKFILLING NOTES

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- ** REFER TO TRENCH EXCAVATION, BOTTOM PREPARATION AND BACKFILLING NOTES

MAINTENANCE OF TRAFFIC

INTERFERENCE WITH TRAFFIC: THE CONTRACTOR SHALL MAINTAIN SAFE TRAFFIC CONDITIONS IN ACCORDANCE WITH THE MANUAL OF TRAFFIC CONTROL DEVICES. COORDINATE ALL LANE / ROAD CLOSURES WITH THE LOCAL MUNICIPAL ENGINEER(S).

TRAFFIC DIVERSION:

- WHENEVER IT IS NECESSARY TO DIVERT TRAFFIC FROM ITS NORMAL CHANNEL INTO ANOTHER CHANNEL, SUCH DIVERSIONS SHALL BE CLEARLY MARKED BY CONES, DRUMS, BARRICADES OR TEMPORARY GUARDRAIL. IF THE MARKERS ARE LEFT IN PLACE AT NIGHT, SUITABLE LIGHTS SHALL BE PROVIDED AND MAINTAINED.

ONE-WAY TRAFFIC:

- WHENEVER ONE-WAY TRAFFIC IS ESTABLISHED, AT LEAST TWO FLAGGERS SHALL BE USED.

STREET CLOSING:

- THE CONTRACTOR MAY NOT CLOSE THE STREET TO THROUGH TRAFFIC.

MAINTENANCE:

- IF PROPER MAINTENANCE OF TRAFFIC FACILITIES AND/OR PROPER PROVISION FOR TRAFFIC CONTROL IS NOT BEING PROVIDED, THE MUNICIPALITY MAY TAKE NECESSARY STEPS TO CORRECT TRAFFIC MAINTENANCE. THE COST OF SUCH SERVICE WILL BE CHARGED TO THE CONTRACTOR.

PAVEMENT DRIVE APRONS, SIDEWALK, CURBS AND CURB RAMP REQUIREMENTS

GENERAL REQUIREMENTS:

THE FOLLOWING REQUIREMENTS APPLY TO ALL PAVEMENT DRIVE APRONS, SIDEWALKS AND CURB RAMP. SIDEWALKS AND/OR CURB RAMP SHALL CONFORM TO ODOT SPECIFICATIONS IF NOT SPECIFIED HEREIN. ALL PAVEMENT DRIVES, SIDEWALKS AND CURB RAMP REPLACEMENTS SHALL CONFORM TO THE GRADE OF THE EXISTING PAVEMENT DRIVE, SIDEWALK AND/OR CURB RAMP.

MATERIAL:

- ALL CONCRETE SHALL BE CLASS "C" PER ODOT 499 AND PROPERLY CONSOLIDATED (NO SLAG).

NOTIFICATION TO RESIDENTS:

THE SCHEDULING FOR WORK SHALL BE DISCUSSED WITH EACH PROPERTY OWNER AFFECTED PRIOR TO COMMENCING THE CONSTRUCTION / REPLACEMENT OPERATION. EXCAVATION IN TRAFFIC AREAS SHALL NOT BE LEFT OPEN OVERNIGHT. ALL DRIVE APRON CONSTRUCTION SHALL FOLLOW A SCHEDULE THAT ALLOWS ACCESS TO AND FROM RESIDENCE, BUSINESS, ETC. AT ALL TIMES. THE DISRUPTION OF ACCESS TO DRIVEWAYS DUE TO THIS WORK SHALL BE KEPT TO A MINIMUM.

SIGNAGE:

- THE CONTRACTOR MUST PROVIDE ADEQUATE SIGNS, MARKERS AND BARRICADES TO PROTECT PEDESTRIAN TRAFFIC, VEHICULAR TRAFFIC AND CONSTRUCTION PERSONNEL DURING THE PROGRESS OF THIS WORK. ADDITIONAL SIGNS INDICATING ENTRANCES FOR BUSINESSES IN A CONSTRUCTION ZONE ARE REQUIRED AS DIRECTED BY THE MUNICIPAL ENGINEER.

PAVEMENT DRIVE APRONS:

- ALL PAVEMENT DRIVE APRONS SHALL HAVE A MINIMUM THICKNESS OF SIX (6) INCHES FOR RESIDENTIAL DRIVEWAYS AND EIGHT (8) INCHES FOR ALL OTHER DRIVEWAYS. REFER TO DETAILS.

R/W SIDEWALKS:

- ALL SIDEWALKS SHALL HAVE A MINIMUM THICKNESS OF FOUR (4) INCHES EXCEPT WITHIN THE LIMITS OF THE DRIVEWAYS, WHERE THE MINIMUM THICKNESS SHALL BE SIX (6) INCHES FOR ONE OR TWO FAMILY RESIDENTIAL DRIVEWAYS AND EIGHT (8) INCHES FOR ALL OTHER DRIVEWAYS.
- ONE-HALF (1/2) INCH EXPANSION JOINTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED FIFTY (50) FEET. EXPANSION JOINTS SHALL BE SEALED WITH 1/2" THICK SELF-LEVELING URETHANE CHALK, LIMESTONE GRAY IN COLOR. ALL CONCRETE SIDEWALK AND/OR CURB SHALL BE OF MONOLITHIC CONSTRUCTION. ALL SIDEWALKS SHALL HAVE A FOUR (4) INCH MINIMUM SUBBASE, ODOT ITEM 304, COMPACTED TO 95% COMPACTION.

R/W CURB RAMP:

- CURB RAMP SHALL BE PLACED AS SHOWN ON THE PLANS. ALL SIDEWALKS SHALL CONNECT TO THE PAVEMENT OR CURB AT INTERSECTIONS WITH WHEELCHAIR RAMPS AND ONE-HALF (1/2) INCH EXPANSION JOINTS BETWEEN THE WALK AND CURB. EXPANSION JOINTS SHALL BE SEALED WITH 1/2" THICK SELF-LEVELING URETHANE CHALK, LIMESTONE GRAY IN COLOR. ALL CURB RAMP SHALL MEET THE CURRENT ADA REQUIREMENTS. REFER TO DETAILS.

CONSTRUCTION SAW CUTTING:

- WHERE IT IS NECESSARY TO DISTURB EXISTING PAVEMENT DRIVES, CURB RAMP OR SIDEWALKS THE CONCRETE SHALL BE SAW CUT IN NEAT STRAIGHT LINES AS DIRECTED BY ENGINEER / MUNICIPALITY. THE DEPTH OF SAW CUT SHALL BE FULL DEPTH. WHERE IT IS NECESSARY TO DISTURB EXISTING PAVEMENT DRIVES, CURBS AND/OR WALKS THE ASPHALT CONCRETE SHALL BE LINE CUT WITH STRAIGHT VERTICAL EDGES. ALL CUT BITUMINOUS SURFACES SHALL BE SEALED WITH A 4" WIDE RUBBERIZED JOINT SEALER USING A SQUEEGEE.
- CONCRETE SHALL BE REMOVED IN SECTIONS. SAW CUT LINES ARE TO TAKE PLACE AT EXISTING JOINTS.

CURING COMPOUND:

- AN APPROVED SEALER SHALL SEAL ALL EXPOSED CONCRETE APPROPRIATE TO APPLICATION ON SURFACE OF CONCRETE. SEE CURRENT ODOT SPECIFICATIONS FOR APPLICATION METHODS.

STRUCTURES ENCOUNTERED:

- THE CONTRACTOR SHALL ADJUST ANY "SURFACE STRUCTURE" IN THE AREA OF SIDEWALK AND/OR PAVEMENT DRIVE TO GRADE. THE CONTRACTOR SHALL FURNISH NECESSARY PARTS AND REPAIR ALL "SURFACE STRUCTURES" DAMAGED BY CONSTRUCTION OF IMPROVEMENT.

ASPHALT PAVEMENT CONSTRUCTION REQUIREMENTS

GENERAL REQUIREMENTS: THE FOLLOWING REQUIREMENTS APPLY TO ALL PAVEMENT IMPROVEMENTS PLACED IN THE MUNICIPALITY.

COLD WEATHER:

- NO ASPHALT PAVEMENT COURSE AND/OR CONCRETE PAVEMENT OR CURBING SHALL BE LAID ON FROZEN PAVEMENT, BASE OR SUBBASE.
- SURFACE TEMPERATURES FOR ASPHALT PAVEMENT PLACEMENT SHALL BE 40 DEGREES FAHRENHEIT FOR THICKNESS GREATER THAN 1.5 INCHES AND 30 DEGREES FAHRENHEIT FOR SURFACE COURSES LESS THAN 1.5 INCHES. THE AIR TEMPERATURE SHOULD NOT BE LESS THAN 40 DEGREES FAHRENHEIT FOR ASPHALT PLACEMENT.
- AMBIENT TEMPERATURE SHALL BE 35 DEGREE FAHRENHEIT AND RISING FOR CONCRETE PLACEMENT. WINTER PROTECTION SHALL BE IN EFFECT WHEN TEMPERATURES FALL BELOW 40 DEGREES FAHRENHEIT FOR A PERIOD OF 3 SUCCESSIVE DAYS. PROTECTION CONSISTS OF VISQUELEN AND BLANKETS.

EARTHWORK:

- ALL FILLED AREAS, EXCLUDING TRENCHES WITHIN RIGHT-OF-WAY AREAS, SHALL BE COMPACTED IN ACCORDANCE WITH ODOT ITEM 203. IN ADDITION, FOR ANY FILL IN EXCESS OF TWO (2) FEET, AN APPROVED TESTING COMPANY IN ACCORDANCE WITH ODOT ITEM 203 SHALL PERFORM NUCLEAR COMPACTION TESTS.

ASPHALT PAVEMENT:

- ALL MATERIAL MUST BE OBTAINED FROM A SOURCE APPROVED BY THE OHIO DEPARTMENT OF TRANSPORTATION. ASPHALT PAVING SHALL BE AS SHOWN ON THE TYPICAL SECTION.

MATERIALS:

- AGGREGATE BASE - AGGREGATE BASE SHALL BE THE REQUIRED THICKNESS ACCORDING TO THE ATTACHED DETAILS AND IN ACCORDANCE TO ODOT ITEM 304. AGGREGATE BASE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY.
- SURFACE ASPHALT CONCRETE - SURFACE ASPHALT CONCRETE SHALL BE AS PER THE ATTACHED DETAILS. THE SURFACE COURSE SHALL BE FINISHED 1/4 INCH ABOVE THE CUTTER AND ALL CASTINGS IN ROADWAY.
- INTERMEDIATE ASPHALT CONCRETE - INTERMEDIATE ASPHALT CONCRETE SHALL BE AS PER THE ATTACHED DETAILS.
- BITUMINOUS AGGREGATE BASE - BITUMINOUS AGGREGATE BASE SHALL BE THE REQUIRED THICKNESS ACCORDING TO THE ATTACHED DETAILS AND IN ACCORDANCE TO ODOT ITEM 301.
- JOINT SEALER - THE JOINT BETWEEN THE CONCRETE CURB AND PAVEMENT SURFACE SHALL BE SEALED WITH A FOUR (4) INCH WIDE APPLICATION OF RUBBERIZED JOINT SEALER OVERLAPPING THE CURB 1/2 INCH. THE SEAL SHALL BE LIGHTLY APPLIED IN A STRAIGHT LINE, SQUEEGEE AND LIGHTLY COVERED WITH SAND. THIS IS ALSO TO BE APPLIED TO THE PERIMETER OF UTILITY STRUCTURES IN PAVEMENT AREAS AS WELL AS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. THESE AREAS SHALL BE SEALED WITH A FOUR (4) INCH WIDE APPLICATION OF RUBBERIZED JOINT SEALER OVERLAPPING THE UTILITY CASTING/EXISTING PAVEMENT SURFACE BY 1/2 INCH.

ASPHALT PAVEMENT REPAIR:

- ASPHALT PAVEMENT REPAIR SHALL CONFORM TO ALL ODOT REQUIREMENTS AND SPECIFICATIONS HEREIN. IN ADDITION ASPHALT PAVEMENT REPAIRS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - SUBBASE REPAIR SHALL INCLUDE REMOVAL AND DISPOSAL OF DAMAGED AGGREGATE AND REPLACEMENT WITH COMPACTED ODOT ITEM 304 LIMESTONE. AREAS FOR REPAIR SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER.
 - COLD WEATHER REPAIRS DURING ADVERSE WEATHER CONDITIONS, LOW STRENGTH MORTAR (LSM) SHALL BE USED TO FILL THE TRENCH AND A 6" CONCRETE CAP TEMPORARILY INSTALLED USING A VISQUELEN BOND BREAKER.

ASBUTING ASPHALT CONTACT:

- AT ANY POINT WHERE THE PROPOSED PAVEMENT MEETS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE FULL DEPTH SAW CUT. THIS CUT SHALL BE PERPENDICULAR TO CENTERLINE REMOVING APPROXIMATELY ONE (1) FOOT OR ALL DAMAGED PAVEMENT AS DIRECTED BY THE ENGINEER. AN ADDITIONAL 18" OF ADJOINING ASPHALT SHALL BE MILLED 1 1/2" PRIOR TO APPLYING THE SURFACE COURSE. ASPHALT SURFACE CONCRETE PER DETAILS SHALL BE USED TO FEATHER THE TRANSITION AND MAINTAIN POSITIVE DRAINAGE BETWEEN THE EXISTING AND PROPOSED PAVEMENT.

UNDERGROUND UTILITY CONSTRUCTION REQUIREMENTS

UNDERGROUND UTILITIES:

- UTILITIES INCLUDING GAS PIPES, TELEPHONE CABLES AND ELECTRICAL POWER AND STREET LIGHTING CIRCUITS ARE RECOMMENDED TO BE UNDERGROUND. ALL TRENCH BACKFILL IN PAVEMENT AREAS SHALL BE ODOT ITEM #304 AGGREGATE BASE COMPACTED BY VIBRATORY OR MECHANICAL TAMPING IN EIGHT (8) INCH LAYERS. ALL WIRING AND CABLES NOT CONTAINED WITHIN CONDUIT AND DIRECT BURIED, SHALL HAVE THEIR LOCATIONS MARKED WITH TECTO-TAPE OR FACSIMILE TWELVE (12) INCHES ABOVE SUCH DIRECT BURIED WIRING OR CABLE. REFER TO TRENCH EXCAVATION, BOTTOM PREPARATION AND BACKFILLING SECTION HEREIN.
- ALL CONSTRUCTION OF UTILITY PIPE, CONDUIT, CABLE, WIRES, VAULTS AND PERTINENT EQUIPMENT SHALL COMPLY WITH THE CURRENT REGULATIONS OF THE PUBLIC UTILITIES COMMISSION OF OHIO AND WITH THE REQUIREMENTS OF THE UTILITIES INVOLVED.
- THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAS BEEN OBTAINED BY DILIGENT FIELD CHECK AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE DESIGN ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS AND THE CONTRACTOR IS THEREFORE URGED TO PROCEED WITH CAUTION.
- EXISTING APPURTENANCES SUCH AS UTILITY POLES, VALVE BOXES, ETC. ARE TO BE SAFEGUARDED BY THE CONTRACTOR DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT THE UTILITIES PROTECTION SERVICE, 1-800-362-2764 AT LEAST FORTY-EIGHT (48) HOURS BEFORE ANY UNDERGROUND WORK IS COMMENCED IN EXISTING STREETS.

TRENCH EXCAVATION, BOTTOM PREPARATION AND BACKFILLING

GENERAL REQUIREMENTS:

ALL REQUIREMENTS FOR TRENCH EXCAVATION, BOTTOM PREPARATION AND BACKFILLING SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND DETAILS. NO BACKFILL MATERIAL SHALL BE FROZEN.

- IF MATERIAL OTHER THAN ODOT ITEM 304 MATERIAL IS PROPOSED FOR USE AS TRENCH FILL WITHIN THE RIGHT-OF-WAY, A WRITTEN REQUEST MUST BE SUBMITTED TO THE MUNICIPAL ENGINEER. THE MATERIAL IS SUBJECT TO THE FOLLOWING REQUIREMENTS:
 - PROCTORS MUST BE CONDUCTED ON ALL FILL MATERIALS AND PLANNED COMPACTION METHODS SUBMITTED TO THIS OFFICE PRIOR TO ANY FILING OPERATIONS BEING PERMITTED.
 - NO PROCTORS MUST BE OBTAINED AS OFTEN AS THE SOIL MATERIAL CHANGES.
 - NO PROCTOR'S FROM PREVIOUS YEAR'S CONSTRUCTION WILL BE ACCEPTED.
 - SLAG IS NOT PERMITTED.

- ALL CONDUITS SHALL BE INSTALLED ON A FIRM BED FOR ITS FULL LENGTH UNLESS OTHERWISE SPECIFIED.

TRENCH BACKFILLING:

- WHERE BACKFILLING IS BEING PERFORMED, THE FOLLOWING SHALL CONFORM TO THE FOLLOWING LIMITS:
 - INSTALLATION UNDER PAVEMENT AND/OR WITHIN 45' ZONE OF INFLUENCE LINE OF PAVEMENT EDGE SHALL BE INSTALLED IN ACCORDANCE WITH ODOT ITEM 304 BACKFILL. THE ENTIRE TRENCH SHALL BE FILLED IN LAYERS NOT TO EXCEED EIGHT (8) INCHES IN THICKNESS AND COMPACTED WITH MECHANICAL TAMPERS AT THE SPECIFIED MOISTURE CONTENT UNTIL DRY DENSITY IS NOT LESS THAN 98% OF THE STANDARD PROCTOR. SLAG MATERIAL IS NOT ACCEPTABLE.
 - WITHIN THE RIGHT-OF-WAY (R/W) BUT NOT UNDER PAVEMENT OR WITHIN 45' ZONE OF INFLUENCE LINE OF PAVEMENT EDGE, SUITABLE BACKFILL MATERIAL SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR, AT THE SPECIFIED MOISTURE CONTENT. THE ENTIRE TRENCH SHALL BE FILLED IN LAYERS NOT TO EXCEED EIGHT (8) INCHES WITH A MECHANICAL TAMPER.

TRENCH WIDTH:

- WIDTHS OF TRENCHES SHALL BE HELD TO A MINIMUM TO ACCOMMODATE THE PIPE AND APPURTENANCES. NO SLAG IS ACCEPTABLE. THE TRENCH WIDTH SHALL BE MEASURED AT THE TOP OF THE PIPE BARREL AND SHALL CONFORM TO THE FOLLOWING LIMITS:
 - ALL PIPE HAVING A DIAMETER LESS THAN TWENTY-FOUR (24) INCHES SHALL HAVE A MINIMUM WIDTH OF NINE (9) INCHES MEASURED FROM THE OUTSIDE OF A PIPE BARREL TO TRENCH WALL.
 - ALL PIPE HAVING A DIAMETER GREATER THAN TWENTY-FOUR (24) INCHES BUT LESS THAN SIXTY-SIX (66) INCHES SHALL HAVE A MINIMUM WIDTH OF TWELVE (12) INCHES MEASURED FROM OUTSIDE OF PIPE BARREL TO TRENCH WALL.
 - ALL PIPE HAVING A DIAMETER GREATER THAN SIXTY-SIX (66) INCHES SHALL HAVE A MINIMUM WIDTH OF FIFTEEN (15) INCHES MEASURED FROM OUTSIDE OF PIPE BARREL TO TRENCH WALL.

TRENCH PROTECTION:

- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT ANY CAVING OR SETTLING OF EXCAVATION OR TRENCH WALLS SHOULD SHOULDER SLOPE OR BENCH THE SIDES OF THE EXCAVATIONS AS REQUIRED TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM. THE CONTRACTOR SHOULD EVALUATE THE SOIL EXPOSED IN THE EXCAVATIONS AS PART OF THE CONTRACTOR'S SAFETY PROCEDURES. IN NO CASE SHOULD SLOPE HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH INCLUDING UTILITY TRENCH EXCAVATION DEPTH, EXCEED THOSE SPECIFIED IN LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.

FOUNDATION BOTTOM:

- FOUNDATION MATERIAL BELOW THE PIPE AND SIX (6) INCHES OF SUBBEDDING SHALL BE SUITABLE MATERIAL THAT PREVENTS PIPE FROM DEFLECTION DUE TO SETTLEMENT. IF, IN THE ENGINEER'S OPINION, THE MATERIAL FORMING THE TRENCH BOTTOM IS NOT SUITABLE FOR A SOLID FOUNDATION, FURTHER DEPTH SHALL BE EXCAVATED AND THE SAME FILLED WITH MATERIAL AND THICKNESS SPECIFIED BY THE ENGINEER.

SUBBEDDING MATERIAL:

- AFTER PREPARATION OF THE TRENCH BOTTOM, BEDDING MATERIAL SHALL BE PLACED BELOW PIPE. BEDDING MATERIAL SHALL BE #57 LIMESTONE WITH A MINIMUM THICKNESS OF SIX (6) INCHES AND SPREAD THE FULL WIDTH OF THE TRENCH BOTTOM. BEDDING MATERIAL SHALL NOT HAVE STANDING WATER AND BE FREE OF DEBRIS. ALL CONDUITS SHALL BE INSTALLED ON A FIRM BED FOR ITS FULL LENGTH.

PIPE PROTECTION:

- ALL TRENCH EXCAVATION SHALL BE BACKFILLED IMMEDIATELY AFTER PIPE IS PLACED. AGGREGATE MATERIAL, #57 LIMESTONE, SHALL BE USED TO PROTECT AND INSTALL AND INSTALLED AS SHOWN ON THE PLANS ACCORDING TO SPECIFICATIONS HEREIN. FLEXIBLE PIPE SHALL HAVE A MINIMUM COVERAGE OF TWELVE (12) INCHES OVER OUTSIDE PIPE BARREL. RIGID PIPE SHALL HAVE A MINIMUM COVERAGE OF SIX (6) INCHES OVER OUTSIDE PIPE BARREL.

DEWATERING:

- IN ORDER TO REDUCE GROUND WATER SEEPAGE AND PROVIDE A STABLE TRENCH BOTTOM IT MAY BE NECESSARY TO DEWATER PRIOR TO EXCAVATION OF THE SEWER TRENCH AND/OR PROVIDE TEMPORARY SUMPS.

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- AFTER PREPARATION OF THE TRENCH BOTTOM, BEDDING MATERIAL SHALL BE PLACED BELOW PIPE. BEDDING MATERIAL SHALL BE #57 LIMESTONE WITH A MINIMUM THICKNESS OF SIX (6) INCHES AND SPREAD THE FULL WIDTH OF THE TRENCH BOTTOM. BEDDING MATERIAL SHALL NOT HAVE STANDING WATER AND BE FREE OF DEBRIS. ALL CONDUITS SHALL BE INSTALLED ON A FIRM BED FOR ITS FULL LENGTH.

PIPE PROTECTION:

- ALL TRENCH EXCAVATION SHALL BE BACKFILLED IMMEDIATELY AFTER PIPE IS PLACED. AGGREGATE MATERIAL, #57 LIMESTONE, SHALL BE USED TO PROTECT AND INSTALL AND INSTALLED AS SHOWN ON THE PLANS ACCORDING TO SPECIFICATIONS HEREIN. FLEXIBLE PIPE SHALL HAVE A MINIMUM COVERAGE OF TWELVE (12) INCHES OVER OUTSIDE PIPE BARREL. RIGID PIPE SHALL HAVE A MINIMUM COVERAGE OF SIX (6) INCHES OVER OUTSIDE PIPE BARREL.

SITE PREPARATION AND EARTHWORK NOTES

- THE RECOMMENDATIONS INCLUDED IN THIS REPORT ARE NOT BASED ON TEST BORINGS, OR ANY KNOWN KNOWLEDGE OF SUBSURFACE CONDITIONS AT THE SITE. ANY FUTURE PROJECT DEVELOPMENT'S EXTENT AND DESIGN ARE UNKNOWN. THE INCLUDED RECOMMENDATIONS MUST BE CONSIDERED PRELIMINARY IN NATURE. ALL RECOMMENDATIONS HAVE BEEN MAINTAINED ON A HIGHLY GENERALIZED PLAN AND ARE NOT TO BE CONSTRUED AS SPECIFIC AND/OR FINALIZED. A DETAILED SITE INVESTIGATION INCLUDING TEST BORINGS, LABORATORY TESTS AND ANALYSIS WILL BE REQUIRED PRIOR TO ANY FINAL DESIGN FOR FUTURE IMPROVEMENTS.

SITE PREPARATION:

- PRECAUTIONS SHOULD BE EXERCISED DURING THE REMOVAL OF THE EXISTING BUILDING STRUCTURES AT THE PROPOSED SITE. ALL EXISTING FOUNDATIONS, FLOOR SLABS, BASEMENTS, ETC SHOULD BE COMPLETELY REMOVED FROM THE SITE. THE EXCAVATIONS SHOULD BE CLEANED OF ALL FOREIGN DEBRIS AND THEN BACKFILLED WITH COMPACTED ENGINEERED FILL MATERIALS TO LESSEN POTENTIAL SETTLEMENT THAT MAY OCCUR.
- FOLLOWING THE SITE CLEARING, STRIPPING AND UNDERCUTTING AND PRIOR TO PLACING SUITABLE FILL, THE EXPOSED SUBGRADES SHOULD BE PROOFROLLED WITH A LOADED 20-TON TO 30-TON TANDEM-AXLE DUMP TRUCK UNTIL THE GRADE OFFERS A RELATIVELY UNYIELDING SURFACE. AREAS OF EXCESSIVE YIELDING SHOULD BE EXCAVATED AND BACKFILLED WITH COMPACTED SUITABLE FILL AND/OR THE UNSTABLE SOILS CAN BE STABILIZED BY CHOKING THE EXPOSED BEARING SURFACE WITH CRUSHED LIMESTONE OR OTHER SUITABLE MATERIALS. AFTER THE EXISTING SUBGRADE MATERIALS ARE EXCAVATED, PROPER CONTROL OF SUBGRADE COMPACTION AND THE PLACEMENT AND COMPACTION OF NEW FILL MATERIALS SHOULD BE PERFORMED.

IT IS RECOMMENDED THAT THE SITE PREPARATION, PROOFROLLING AND EARTHWORK ACTIVITIES SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER, WHICH CAN SIGNIFICANTLY REDUCE THE REQUIRED EXTENT OF SOIL STABILIZATION, DRAINAGE AND SURFACE REPAIRS.

- DURING SITE PREPARATION, BURN PITS, TRASH PITS OR OTHER ISOLATED DISPOSAL AREAS MAYBE ENCOUNTERED. ANY SUCH MATERIALS ENCOUNTERED DURING SITE WORK ON CONSTRUCTION SHOULD BE COMPLETELY EXCAVATED AND REMOVED FROM THE SITE.

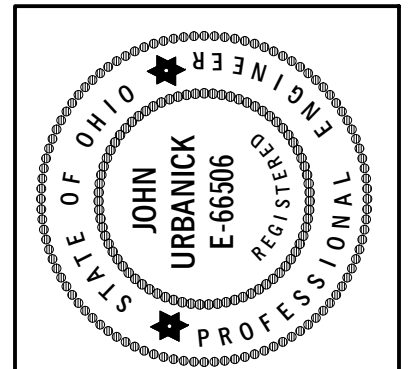
SUITABLE FILL



DEMOLITION PLAN KEY NOTE LEGEND

1. MAKE FULL DEPTH SAW CUT AT PAVEMENT REMOVAL LIMITS

- DEMOLITION PLAN NOTES**
1. TBR = TO BE REMOVED
 2. ETR = EXISTING TO REMAIN
 3. OUPS SHALL BE CONTACTED 2 DAYS PRIOR TO ANY ON SITE EXCAVATION PERFORMED AS PART OF THIS PROJECT 1-800-362-2764.
 4. THE MOST CURRENT VERSION OF OHIO'S RAINWATER AND LAND DEVELOPMENT MANUAL SHALL BE APPLICABLE TO THIS PROJECT.
 5. THE CONTRACTOR SHALL CONDUCT OPERATIONS WITH A MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE THOROUGHFARES, MAINTAIN INGRESS EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS AND SIDEWALKS WITHOUT APPROPRIATE PERMITS.
 6. CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL OF ALL STRUCTURES, PADS, WALLS, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., IN A LOCATION APPROVED BY ALL GOVERNING AGENCIES. ALL ITEMS REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL.
 7. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION RELATED PERMITS, INCLUDING AN EPA NOTICE OF INTENT, IF NECESSARY.
 8. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES OR DEPARTMENTS PRIOR TO REMOVAL OR SHUTOFF OR INSTALLATION OF ANY UTILITIES. THE CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITY COMPANIES AS TO WHICH PORTIONS ARE TO BE PERFORMED BY THE UTILITY COMPANY.
 9. CONTRACTOR IS CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF THE UTILITIES.
 10. EXISTING UTILITIES OR STRUCTURES NOT DESIGNATED FOR REMOVAL ARE TO REMAIN.
 11. ALL WASTE OR DEBRIS GENERATED AS PART OF SITE DEMOLITION SHALL BE DISPOSED OF OFF SITE AS PER CURRENT GOVERNMENT REGULATIONS.
 12. ALL PROJECT AREAS DESIGNATED TO BE PAVED OR BUILT UPON SHALL BE CLEARED AND GRUBBED AS PER PROJECT SPECIFICATIONS.
 13. ANY FILL MATERIAL SALVAGED FROM GRADING OPERATIONS THAT CAN BE DETERMINED BY AN INDEPENDENT TESTING AGENCY TO BE SUITABLE, SHALL BE USED FOR FILL MATERIAL AS APPROPRIATE.
 14. ALL EXISTING LANDSCAPING WITHIN THE PROJECT LIMITS SHALL BE REMOVED, EXCEPT AS SHOWN TO REMAIN. TREES BEING REMOVED SHALL HAVE THEIR STUMPS GROUND.
 15. CONTRACTOR SHALL MAKE PROVISIONS FOR STORM WATER DURING DEMOLITION PROCESS.
 16. ALL STRUCTURES, UTILITIES, ETC., NOT DESIGNATED FOR REMOVAL SHALL BE PROTECTED BY THE CONTRACTOR DURING CONSTRUCTION.
 17. DEMOLITION SHALL BE PERFORMED WITH CARE AND DUE DILIGENCE AS TO NOT DISRUPT THE OPERATION OF EXISTING UTILITY SERVICES TO REMAIN. ANY UTILITY DISCOVERED DURING DEMOLITION OR CONSTRUCTION, WHICH IS NOT SHOWN ON THE PLANS, SHALL BE REPORTED TO THE DESIGN ENGINEER FOR EVALUATION.
 18. CONTRACTOR SHALL PROTECT ALL TREES AND LANDSCAPING NOTED TO REMAIN.
 19. ALL ITEMS NOTED TO BE SALVAGED ARE TO BE PACKAGED BY THE CONTRACTOR AND TURNED OVER TO THE OWNER FOR REUSE. COORDINATE TURNOVER WITH OWNER.
 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, RELOCATION, AND MAINTENANCE OF ALL EROSION CONTROL AND SEDIMENT PRACTICES.
 21. OWNER SHALL PROVIDE ABATEMENT RELATED TO ASBESTOS, LEAD CONTAINING MATERIALS, MERCURY, ETC., AS NEEDED PRIOR TO DEMOLITION.
 22. EXISTING PAVEMENT TYPES SHOWN ARE SURFACE CONDITIONS. DIFFERENT PAVEMENT TYPES MAY EXIST BELOW THE SURFACE. THE COST TO COMPLETELY REMOVE UP TO 12 INCHES OF ALL EXISTING PAVEMENT SECTIONS SHALL BE INCLUDED AS PART OF THE BID.
 23. ALL LAWN AREAS REMOVED OR DISTURBED SHALL BE REPLACED BY SEEDING AND MULCHING IN ACCORDANCE WITH ITEM 659 OF ODOT SPECIFICATIONS AND SHALL BE RESEED AND MULCHED WHEN REQUESTED IF SATISFACTORY RE-ESTABLISHMENT OF LAWN DOES NOT OCCUR.



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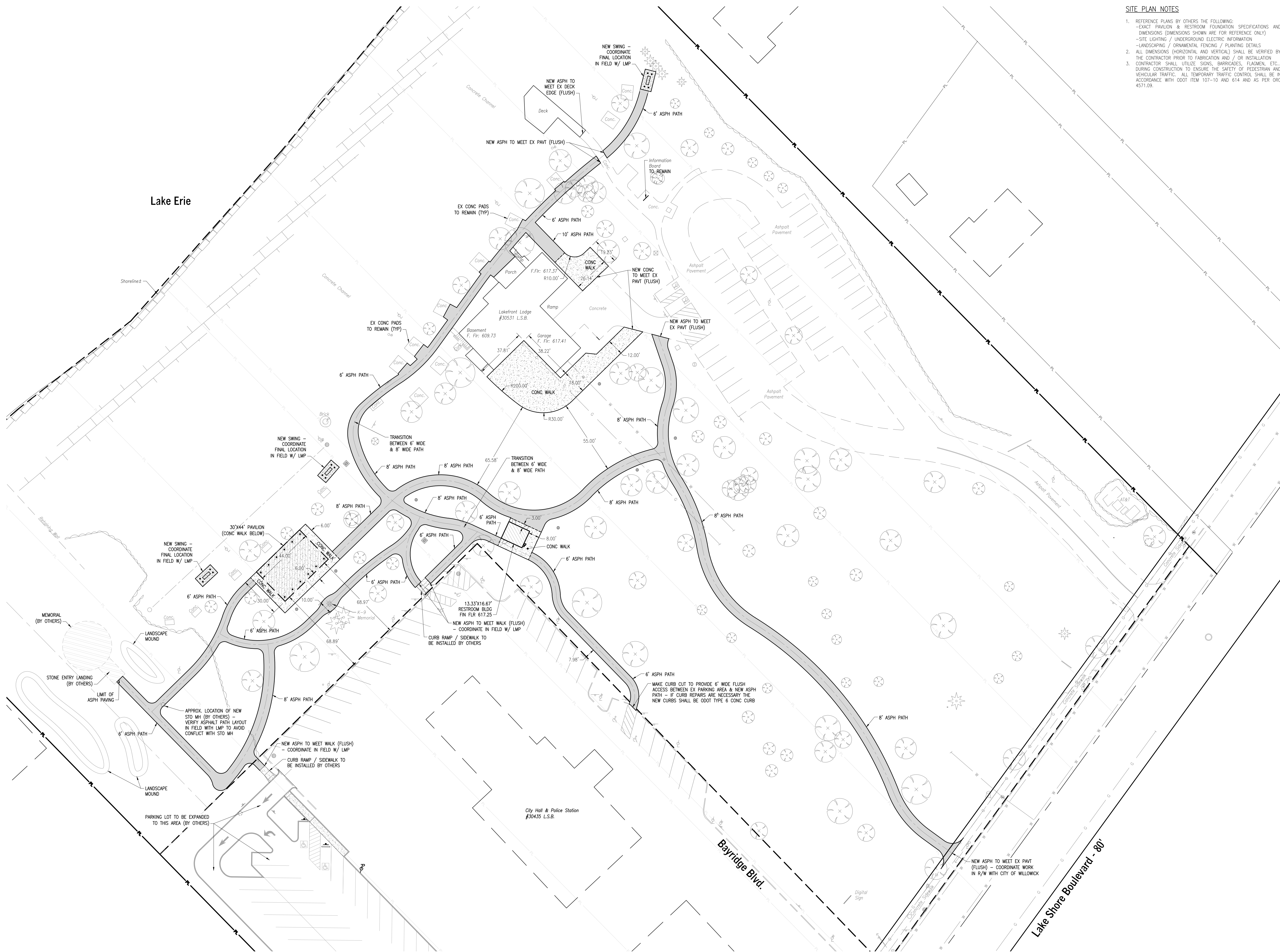
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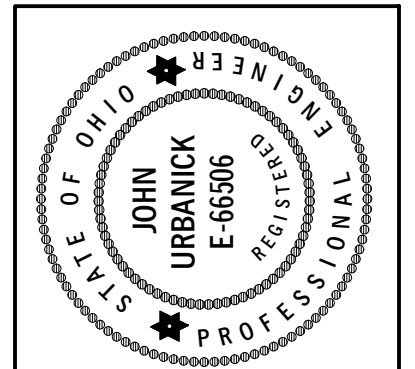
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DEMOLITION PLAN
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 C100
 Sheet #
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Ronald J. & Linda K. Samuele
 PPN: 28A-043S-00-010-0
 Doc. #2011R029444



- SITE PLAN NOTES**
1. REFERENCE PLANS BY OTHERS THE FOLLOWING:
 - EXACT PAVILION & RESTROOM FOUNDATION SPECIFICATIONS AND DIMENSIONS (DIMENSIONS SHOWN ARE FOR REFERENCE ONLY)
 - SITE LIGHTING / UNDERGROUND ELECTRIC INFORMATION
 - LANDSCAPING / ORNAMENTAL FENCING / PLANTING DETAILS
 2. ALL DIMENSIONS (HORIZONTAL AND VERTICAL) SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION AND / OR INSTALLATION
 3. CONTRACTOR SHALL UTILIZE SIGNS, BARRICADES, FLAGMEN, ETC., DURING CONSTRUCTION TO ENSURE THE SAFETY OF PEDESTRIAN AND VEHICULAR TRAFFIC. ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH ODOT ITEM 107-10 AND 614 AND AS PER ODC 4571.09.



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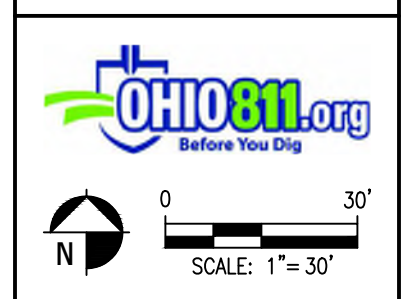
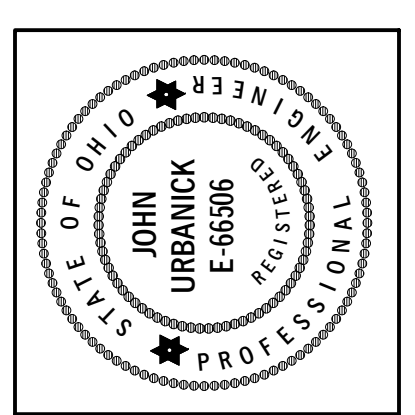


GRADING PLAN KEY NOTE LEGEND

1. A NEW CURB RAMP / WALK IS TO BE INSTALLED IN THIS AREA BY OTHERS - THE NEW PAVEMENT FOR THE ASPH PATHS IS TO MEET THE EDGE OF THE NEW RAMP / WALK (FLUSH) - CONTRACTOR TO FIELD VERIFY W/ LMP.
2. NEW VEGETATED (LAWN) SWALE AT 1.00% - 12" BOTTOM WIDTH - MAINTAIN POSITIVE SLOPE TO THE NORTH - FIELD VERIFY ALL CONDITIONS WITH LMP / ENGINEER PRIOR TO PERFORMING WORK.
3. THE PATH SURFACE BETWEEN THE NEW PARKING & MEMORIAL AREAS IS TO BE SLOPED TO THE WEST TOWARDS THE NEW SWALE.
4. REGRADE EXISTING LAWN AREA TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE EX AND NEW PAVEMENTS AND TO EXISTING YARD DRAIN.
5. REGRADE EXISTING LAWN AREA TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE EX AND NEW PAVEMENTS TO EXISTING DRAINAGE CHANNEL.

GRADING PLAN NOTES

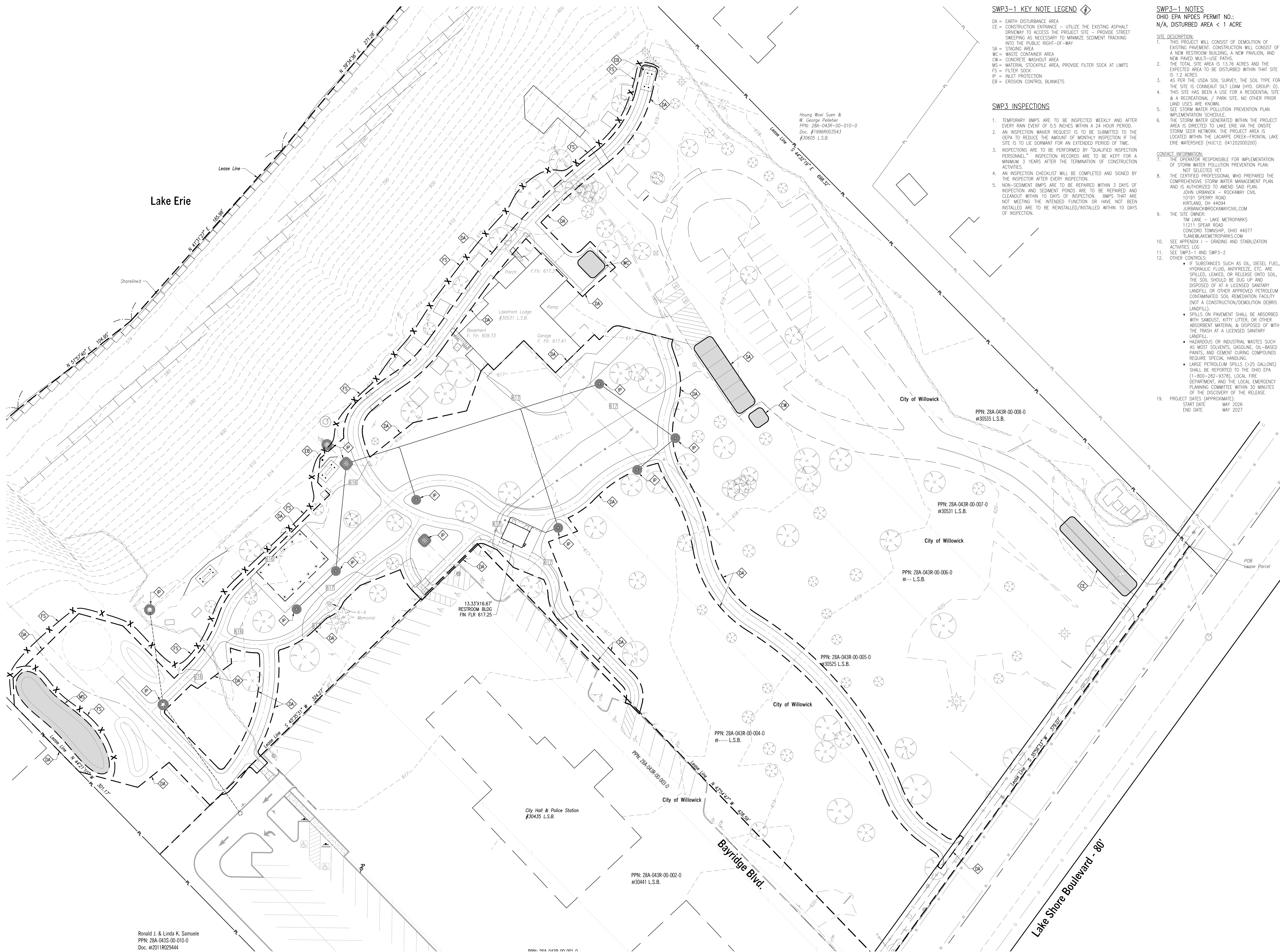
1. IF THE CONTRACTOR BELIEVES THAT SOME OR ALL OF THE EXISTING INFORMATION SHOWN ON THE PROJECT SURVEY IS INACCURATE, THEN THEY ARE REQUIRED TO HAVE A CERTIFIED SURVEY PERFORMED OF THE PROJECT AREA IN QUESTION. THIS CERTIFIED SURVEY MUST BE PERFORMED PRIOR TO ANY DEMOLITION OR EARTHWORK. THIS CERTIFIED SURVEY WILL BE USED AS THE BASIS FOR CONFIRMING ACCURACY OF THE INFORMATION PROVIDED AS PART OF THE CONTRACT DOCUMENTS.
2. ALL NEW EARTHWORK SHALL BE BLENDED TO MEET EXISTING SITE CONDITIONS WHICH ARE TO REMAIN. GRADED SLOPES ARE SHOWN AT 3:1 MAXIMUM.
3. ALL PROPOSED LAWN AND HARD SURFACE GRADED AREAS SHALL HAVE POSITIVE SURFACE DRAINAGE TOWARDS STORM DRAINAGE STRUCTURES AND AWAY FROM ALL STRUCTURES WHERE APPLICABLE. CONTRACTOR SHALL CONTACT ENGINEER IF DRAINAGE CONFLICTS ARISE IN FIELD DURING CONSTRUCTION.
4. PROPOSED GRADING SHALL NOT INHIBIT THE SURFACE DRAINAGE FOR ADJOINING PARCELS.
5. ALL PROPOSED PAVEMENT SHALL HAVE A MINIMUM SURFACE SLOPE OF 1.20% AND A MAXIMUM SURFACE SLOPE OF 5.00% UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS SO AS TO MINIMIZE DAMAGE TO PAVED AREAS CALLED TO REMAIN OR PAVED AREAS TO BE MILLED AND RESURFACED.
7. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION ENTITLED "RAINWATER AND LAND DEVELOPMENT" (LATEST EDITION).
8. ALL GRADED SLOPES GREATER THAN OR EQUAL TO 6:1 SHALL HAVE EROSION CONTROL BLANKETS INSTALLED AS PER PROJECT SPECIFICATIONS.
9. ALL NEW DRIVEWAY APRONS WITHIN THE PUBLIC RIGHT OF WAY(S) SHALL MAINTAIN ADA ACCESSIBLE ACCESS WHERE THE PUBLIC SIDEWALK CROSSES THE NEW DRIVEWAY APRON.
10. ALL LAWN AREAS REMOVED OR DISTURBED SHALL BE REPLACED BY SEEDING AND MULCHING IN ACCORDANCE WITH ITEM 659 OF ODOT SPECIFICATIONS AND SHALL BE RESEEDED AND MULCHED WHEN REQUESTED IF SATISFACTORY RE-ESTABLISHMENT OF LAWN DOES NOT OCCUR.



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SWP3-1 KEY NOTE LEGEND

- DA = EARTH DISTURBANCE AREA
- CE = CONSTRUCTION ENTRANCE - UTILIZE THE EXISTING ASPHALT DRIVEWAY TO ACCESS THE PROJECT SITE - PROVIDE STREET SWEEPING AS NECESSARY TO MINIMIZE SEDIMENT TRACKING INTO THE PUBLIC RIGHT-OF-WAY
- SA = STORM AREA
- WC = WASTE CONTAINER AREA
- CW = CONCRETE WASHOUT AREA
- MS = MATERIAL STOCKPILE AREA, PROVIDE FILTER SOCK AT LIMITS
- FS = FILTER SOCK
- IP = INLET PROTECTION
- EB = EROSION CONTROL BLANKETS

SWP3 INSPECTIONS

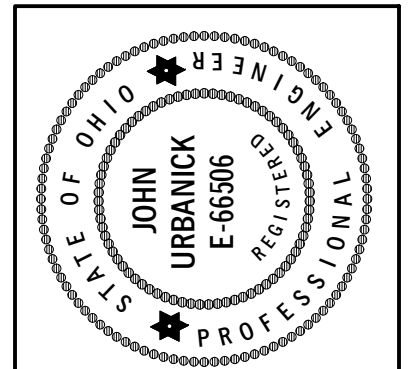
1. TEMPORARY BMPs ARE TO BE INSPECTED WEEKLY AND AFTER EVERY RAIN EVENT OF 0.5 INCHES WITHIN A 24 HOUR PERIOD.
2. AN INSPECTION WAIVER REQUEST IS TO BE SUBMITTED TO THE DEPA TO REDUCE THE AMOUNT OF MONTHLY INSPECTION IF THE SITE IS TO BE DORMANT FOR AN EXTENDED PERIOD OF TIME.
3. INSPECTIONS ARE TO BE PERFORMED BY "QUALIFIED INSPECTION PERSONNEL." INSPECTION RECORDS ARE TO BE KEPT FOR A MINIMUM 3 YEARS AFTER THE TERMINATION OF CONSTRUCTION ACTIVITIES.
4. AN INSPECTION CHECKLIST WILL BE COMPLETED AND SIGNED BY THE INSPECTOR AFTER EVERY INSPECTION.
5. NON-SEDIMENT BMPs ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED AND CLEANOUT WITHIN 10 DAYS OF INSPECTION. BMPs THAT ARE NOT MEETING THE INTENDED FUNCTION OR HAVE NOT BEEN INSTALLED ARE TO BE REINSTALLED/INSTALLED WITHIN 10 DAYS OF INSPECTION.

SWP3-1 NOTES

- OHIO EPA NPDES PERMIT NO.:
N/A, DISTURBED AREA < 1 ACRE
- SITE DESCRIPTION:**
1. THIS PROJECT WILL CONSIST OF DEMOLITION OF EXISTING PAVEMENT, CONSTRUCTION WILL CONSIST OF A NEW RESTROOM BUILDING, A NEW PAVILION, AND NEW PAVED MULTIPLE-USE PATHS.
 2. THE TOTAL SITE AREA IS 13.76 ACRES AND THE EXPECTED AREA TO BE DISTURBED WITHIN THAT SITE IS 1.2 ACRES.
 3. AS PER THE USDA SOIL SURVEY, THE SOIL TYPE FOR THE SITE IS CONNEAUT SILT LOAM (HYD. GROUP: D).
 4. THIS SITE HAS BEEN A USE FOR A RESIDENTIAL SITE & A RECREATIONAL / PARK SITE. NO OTHER PRIOR LAND USES ARE KNOWN.
 5. SEE STORM WATER POLLUTION PREVENTION PLAN IMPLEMENTATION SCHEDULE.
 6. THE STORM WATER GENERATED WITHIN THE PROJECT AREA IS DIRECTED TO LAKE ERIE VIA THE ONSITE STORM SEER NETWORK. THE PROJECT AREA IS LOCATED WITHIN THE LACAPRE CREEK-FRONTAL LAKE ERIE WATERSHED (HUC12: 04120200200).

- CONTACT INFORMATION:**
7. THE OPERATOR RESPONSIBLE FOR IMPLEMENTATION OF STORM WATER POLLUTION PREVENTION PLAN: NOT SELECTED YET
 8. THE CERTIFIED PROFESSIONAL WHO PREPARED THE COMPREHENSIVE STORM WATER MANAGEMENT PLAN AND IS AUTHORIZED TO AMEND SAID PLAN:
JOHN URBANICK - ROCKAWAY CIVIL
10191 SPERRY ROAD
KIRTLAND, OH 44094
JURBANICK@ROCKAWAYCIVIL.COM
 9. THE SITE OWNER:
TIM LANE - LAKE METROPARKS
11211 SPEAR ROAD
CONCORD TOWNSHIP, OHIO 44077
TLANE@LAKEMETROPARKS.COM
 10. SEE APPENDIX I - GRADING AND STABILIZATION ACTIVITIES LOG
 11. SEE SWP3-1 AND SWP3-2
 12. OTHER CONTROLS:
 - IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT A LICENSED SANITARY LANDFILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL).
 - SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAND/ST, KITTY LITTER, OR OTHER ABSORBENT MATERIAL & DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL.
 - HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING.
 - LARGE PETROLEUM SPILLS (>25 GALLONS) SHALL BE REPORTED TO THE OHIO EPA (1-800-282-9378), LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE.

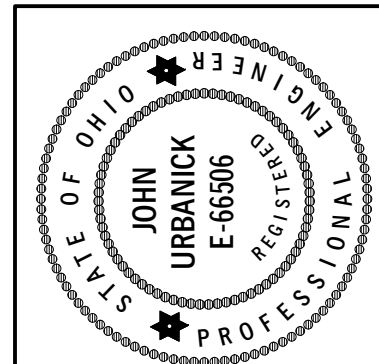
- PROJECT DATES (APPROXIMATE):**
- START DATE: MAY 2026
END DATE: MAY 2027



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**ADDITIONAL CONSTRUCTION SITE POLLUTION CONTROLS
(PER ODNR RAINWATER & LAND DEVELOPMENT MANUAL)**

DEFINITION
ALTHOUGH SEDIMENT IS THE PRIMARY POLLUTANT OF CONCERN RESULTING FROM CONSTRUCTION ACTIVITY, OTHER POLLUTANTS NEED TO BE CONSIDERED AS WELL. THESE INCLUDE PETROCHEMICALS: FUEL, OIL AND ASPHALT; AND CONSTRUCTION CHEMICALS AND MATERIALS: PAINTS, SOLVENTS, FERTILIZER, SOIL ADDITIVES, CONCRETE WASH WATER, ETC. ALSO INCLUDED ARE SOLID WASTES AND CONSTRUCTION DEBRIS. KEEPING THESE SUBSTANCES FROM POLLUTING RUNOFF CAN BE ACCOMPLISHED TO A LARGE EXTENT THROUGH GOOD HOUSEKEEPING AND FOLLOWING THE MANUFACTURER'S RECOMMENDATIONS FOR THEIR USE AND DISPOSAL.

CONDITION WHERE PRACTICE APPLIES
WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC.) MUST BE DISPOSED OF IN ACCORDANCE WITH ODC 3734 AND ODC 3714. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION-SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.

PLANNING CONSIDERATIONS
GOOD EROSION AND SEDIMENT CONTROL WILL PREVENT SOME POLLUTANTS IN ADDITION TO SEDIMENT FROM LEAVING THE SITE; HOWEVER, POLLUTANTS CARRIED IN SOLUTION OR AS SURFACE FILMS ON RUNOFF WATER WILL BE CARRIED THROUGH MOST EROSION AND SEDIMENT CONTROL PRACTICES. THESE POLLUTANTS BECOME NEARLY IMPOSSIBLE TO CONTROL ONCE CARRIED OFFSITE IN RUNOFF. ADDING TO THE PROBLEM IS THE FACT THAT CONSTRUCTION WASTES, MANY CONTAINING TOXIC CHEMICALS, ARE ROUTINELY BURIED ON-SITE, DUMPED ON THE GROUND, POURED DOWN A STORM DRAIN, OR DISPOSED OF WITH CONSTRUCTION DEBRIS. SO WHILE TYPICAL EROSION AND SEDIMENT-CONTROL PRACTICES ARE IMPORTANT FOR CONTROLLING OTHER POLLUTANTS, ADDITIONAL PREVENTATIVE MEASURES ARE NEEDED.

REDUCING POLLUTANTS OTHER THAN SEDIMENTS DEPENDS HEAVILY ON CONSTRUCTION PERSONNEL AND HOW THEY CARRY OUT THEIR OPERATIONS. TO HELP FACILITATE THIS, PLANS SHOULD CONTAIN STANDARD NOTES CLEARLY STATING REQUIREMENTS TO CONTRACTORS. IT ALSO MAY BE APPROPRIATE TO INCLUDE REQUIREMENTS FOR SPECIFIC PROVISIONS FOR HAZARDOUS MATERIALS STORAGE, HANDLING AND DISPOSAL.

REQUIREMENTS
1. EDUCATE CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, MAKING THEM AWARE OF THE FOLLOWING GENERAL GUIDELINES:

DISPOSAL AND HANDLING OF HAZARDOUS AND OTHER CONSTRUCTION WASTE

- DO:
- PREVENT SPILLS
- USE PRODUCTS UP
- FOLLOW LABEL DIRECTIONS FOR DISPOSAL
- REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
- RECYCLE WASTES WHENEVER POSSIBLE

DO NOT:

- DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
- DON'T POUR DOWN THE SINK, FLOOR DRAIN OR SEPTIC TANKS
- DON'T BURY CHEMICALS OR CONTAINERS
- DON'T BURN CHEMICALS OR CONTAINERS
- DON'T MIX CHEMICALS TOGETHER

- WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, SANITARY GARBAGE, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS TO BE USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CDD&D) WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH ODC 3714 AT AN APPROVED OHIO EPA CDD&D LANDFILL.
- NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED ON-SITE. BY EXCEPTION, CLEAN FILL (BRICKS, HARDENED CONCRETE, SOIL) MAY BE UTILIZED IN A WAY THAT DOES NOT ENCROUGH UPON NATURAL WETLANDS, STREAMS OR THEIR FLOODPLAINS. FILLING OF STREAM SIDE AREAS IS FILL MAY NOT RESULT IN THE CONTAMINATION OF WATERS OF THE STATE, UNLESS PROHIBITED BY LOCAL ORDINANCE OR ZONING.
- CONSTRUCTION AND DEMOLITION DEBRIS (CDD&D) DISPOSAL. CDD&D WASTE MUST BE DISPOSED OF ALL MATERIALS ATTACHED TO A STRUCTURE, WHICH IS BEING DEMOLISHED (FOR MATERIALS CONTAINING ASBESTOS SEE ITEM 12).
- HANDLING CONSTRUCTION CHEMICALS. MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES, STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVEGROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVEGROUND STORAGE OF 1,330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. SOILS THAT HAVE BECOME CONTAMINATED MUST BE DISPOSED OF ACCORDANCE WITH ITEM 8 CONTAMINATED SOILS.
- CONCRETE WASH WATER/WASH OUTS. CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED ON THE LOT AWAY FROM ANY WATER CONVEYANCES.
- CONTAMINATED SOILS. IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LANDFILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL). PLEASE BE AWARE THAT STORM WATER RUNOFF ASSOCIATED WITH CONTAMINATED SOILS ARE NOT AUTHORIZED UNDER OHIO EPA'S GENERAL STORM WATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES. IN THE EVENT THERE ARE LARGE EXTENSIVE AREAS OF CONTAMINATED SOILS ADDITIONAL MEASURES ABOVE AND BEYOND THE CONDITIONS OF OHIO EPA'S GENERAL CONSTRUCTION STORM WATER PERMIT WILL BE REQUIRED, DEPENDING ON THE EXTENT OF CONTAMINATION, ADDITIONAL TREATMENT AND/OR COLLECTION AND DISPOSAL MAY BE REQUIRED. ALL STORM WATER DISCHARGES ASSOCIATED WITH THE CONTAMINATED SOILS MUST BE AUTHORIZED UNDER AN ALTERNATE NPDES (NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT.
- SPILL REPORTING REQUIREMENTS. SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAND/LOTT, KITTY LITTER OR OTHER ABSORBENT MATERIAL AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO OHIO EPA (1-800-282-9378). SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MIN. OF THE DISCOVERY OF THE RELEASE. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO OHIO EPA'S HOTLINE.
- OPEN BURNING. NO MATERIALS MAY BE BURNED WHICH CONTAIN RUBBER, GREASE, ASPHALT, OR PETROLEUM PRODUCTS SUCH AS TIRES, CARS, AUTO PARTS, PLASTICS OR PLASTIC COATED WIRE. (SEE OAC 3745-19). OPEN BURNING IS NOT ALLOWED IN RESTRICTED AREAS. RESTRICTED AREAS ARE DEFINED AS: 1) WITHIN CORPORATION LIMITS; 2) WITHIN 1000 FEET OUTSIDE A MUNICIPAL CORPORATION HAVING A POPULATION OF 10,000 TO 50,000; AND 3) A ONE MILE ZONE OUTSIDE OF A CORPORATION OF 10,000 OR MORE. OUTSIDE A RESTRICTED AREA, NO OPEN BURNING CAN TAKE PLACE WITHIN A 1000 FEET OF AN INHABITED BUILDING LOCATED OFF THE PROPERTY WHERE THE FIRE IS SET. OPEN BURNING IS PERMISSIBLE IN A RESTRICTED AREA FOR THE FOLLOWING ACTIVITIES: HEATING TAR, WELDING AND ACETYLENE TORCHER WELDING JOINTS. SIMILAR OCCUPATIONAL NEEDS, AND HEATING FOR WARMTH OR OUTDOOR BARBECUES. OUTSIDE OF RESTRICTED AREAS, OPEN BURNING IS PERMISSIBLE FOR LANDSCAPE WASTES (PLANT MATERIAL), LAND-CLEARING WASTES (PLANT MATERIAL, WITH PRIOR WRITTEN PERMISSION FROM OHIO EPA), AND AGRICULTURAL WASTES (MATERIAL GENERATED BY CROP, HORTICULTURAL, OR LIVESTOCK PRODUCTION PRACTICES. THIS INCLUDES FENCE POSTS AND SCRAP LUMBER, BUT NOT BUILDINGS).
- DUST CONTROL/SUPPRESSANTS. DUST CONTROL IS REQUIRED TO PREVENT NUISANCE CONDITIONS. DUST CONTROLS MUST BE USED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND NOT BE APPLIED IN A MANNER, WHICH WOULD RESULT IN A DISCHARGE TO WATERS OF THE STATE. ISOLATION DISTANCES FROM BRIDGES, CATCH BASINS, AND OTHER BRAGWAYS MUST BE OBSERVED. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN PRECIPITATION IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. USED OIL MAY NOT BE APPLIED FOR DUST CONTROL.
- OTHER AIR-PERMITTING REQUIREMENTS. ALL CONTRACTORS AND SUB CONTRACTORS MUST BE MADE AWARE THAT CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS. ACTIVITIES INCLUDING BUT NOT LIMITED TO MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC., WILL REQUIRE SPECIFIC OHIO EPA AIR PERMITS FOR INSTALLATION AND OPERATION. THESE ACTIVITIES MUST SEEK AUTHORIZATION FROM THE CORRESPONDING DISTRICT OF OHIO EPA. NOTIFICATION FOR RESTORATION AND DEMOLITION PROJECTS MUST BE SUBMITTED TO OHIO EPA FOR ALL COMMERCIAL SITES TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.
- PERMIT WASTE WATER/LEACHATE MANAGEMENT. ALL CONTRACTORS SHALL BE MADE AWARE THAT OHIO EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER. OTHER WASTE STREAMS/DISCHARGES INCLUDING BUT NOT LIMITED TO VEHICLE AND/OR EQUIPMENT WASHING, LEACHATE ASSOCIATED WITH ON-SITE WASTE DISPOSAL, CONCRETE WASH OUTS, ETC., ARE A PROCESS WASTEWATER. THEY ARE NOT AUTHORIZED FOR DISCHARGE UNDER THE GENERAL STORM WATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT THERE ARE LEACHATE OUBREAKS ASSOCIATED WITH ONSITE DISPOSAL, MEASURES MUST BE TAKEN TO ISOLATE THIS DISCHARGE FOR COLLECTION AND PROPER DISPOSAL. INVESTIGATIVE MEASURES AND CORRECTIVE ACTIONS MUST BE IMPLEMENTED TO IDENTIFY AND ELIMINATE THE SOURCE OF ALL LEACHATE OUBREAKS.
- TRENCH AND GROUND WATER CONTROL. NO SEDIMENT LADEN OR TURBID DISCHARGES FROM ARE PERMITTED TO DISCHARGE TO WATER RESOURCES OR WETLANDS. TRENCH OR GROUND WATER CONTAINING SEDIMENT MUST PASS THROUGH A SEDIMENT SETTLING POND OR OTHER EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE PRIOR TO DISCHARGE. ALTERNATIVELY, SEDIMENT MAY BE REMOVED BY SETTLING IN PLACE OR BY Dewatering INTO FILTER BAG, SUMP PIT OR EQUALLY EFFECTIVE PRACTICE. GROUND WATER Dewatering THAT DOES NOT CONTAIN SEDIMENT OR OTHER POLLUTANTS IS NOT REQUIRED TO BE TREATED PRIOR TO DISCHARGE. ENSURE THAT THE NON-SEDIMENT LADEN GROUND WATER DOES NOT BECOME POLLUTED LADEN BY FLOWING OVER DISTURBED SOIL OR POLLUTANT SOURCES.
- PERMIT TO INSTALL (PTI) REQUIREMENTS. ALL CONTRACTORS AND SUB CONTRACTORS MUST BE MADE AWARE THAT A PTI MUST BE SUBMITTED AND APPROVED BY OHIO EPA PRIOR TO THE CONSTRUCTION OF ALL CENTRALIZED SANITARY SYSTEMS, INCLUDING SEWER EXTENSIONS, AND SEWERAGE SYSTEMS (EXCEPT THOSE SERVING ONE, TWO, AND THREE FAMILY DWELLINGS) AND POTABLE WATER LINES. THE ISSUANCE OF AN OHIO EPA CONSTRUCTION GENERAL STORM WATER PERMIT DOES NOT AUTHORIZE THE INSTALLATION OF ANY SEWERAGE SYSTEM WHERE OHIO EPA HAS NOT APPROVED A PTI.

STORM WATER POLLUTION PREVENTION PLAN IMPLEMENTATION SCHEDULE:

ITEMS LISTED IN THIS IMPLEMENTATION SCHEDULE ARE TO BE ADDRESSED CHRONOLOGICALLY IN THE ORDER THEY ARE LISTED. THIS IMPLEMENTATION SCHEDULE IS TO BE USED AS A GENERAL GUIDE FOR STORM WATER POLLUTION PREVENTION ITEMS. AT A MINIMUM, ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSPECTED AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF ANY STORM EVENT GREATER THAN 0.5 INCH PER 24 HOUR PERIOD. EROSION AND SEDIMENT CONTROLS THAT ARE FOUND TO BE IN NEED OF REPAIR DURING THE INSPECTION ARE TO BE REPAIRED WITHIN 3 DAYS OF THE INSPECTION.

- CONTRACTOR IS TO REVIEW THIS PLAN PRIOR TO INITIATING ANY WORK ON SITE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR REVIEWING AND OBTAINING AN NPDES PERMIT FROM THE OHIO EPA PRIOR TO INITIALIZATION OF WORK ON THE SITE.
- CONSTRUCTION ACCESS DRIVE SHALL BE LIMITED AS SHOWN ON THE PLANS. ALL VEHICLES ENTERING THE SITE DURING CONSTRUCTION ARE TO USE THIS DRIVE FOR INGRESS AND EGRESS. THIS IS THE ONLY POINT OF INGRESS AND EGRESS TO BE USED DURING THE ENTIRE CONSTRUCTION PROCESS IN ORDER TO REDUCE CONSTRUCTION MATERIALS FROM BEING MOVED ONTO PUBLIC ROADWAYS. THE DRIVE IS TO BE INSPECTED FOR INTEGRITY AT THE END OF EACH DAY. REPAIRS ARE TO BE MADE AND THE DRIVE SHALL BE CLEANED AS NECESSARY.
- THE LIMITS OF DISTURBANCE / CLEARING SHALL BE STAKED OUT PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- THE STAGING AREA IS TO BE INSTALLED AT THE LOCATION DEPICTED ON THIS SWPPP. ALL VEHICLES THAT ARE NOT IN USE OR ARE TO REMAIN OVERNIGHT ARE TO BE KEPT IN THE STAGING AREA AND SHALL NOT LIE IDLE IN ANY OTHER AREAS ON SITE.
- INSTALL THE CONCRETE WASHOUT PIT AND BRING WASTE CONTAINERS TO THE SITE IMMEDIATELY. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT WASTE CONTROL PROCEDURES ARE BEING PERFORMED TO PREVENT POLLUTION INTO THE STORM WATER SYSTEM DURING CONSTRUCTION.
- CONTRACTOR IS TO INSTALL ALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO THE START OF DEMOLITION. EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED WITHIN 7 DAYS OF GRUBBING. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO, FILTER SOCKS, SILT FENCE, DANDY BAGS AND INLET PROTECTION. SILT FENCE POSTS ARE TO BE SET A MAXIMUM OF 6' FROM EACH OTHER AND THE ENDS OF THE GEOTEXTILE FABRIC OF THE SILT FENCE ARE TO BE SLOPED TOWARD THE UP SLOPE OF THE AREA IT IS SERVING TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE. SILT FENCE IS TO BE INSPECTED AT THE BEGINNING OF EACH DAY AND REPAIRS ARE TO BE MADE IMMEDIATELY. REPAIRS MAY INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: TEARS IN THE GEOTEXTILE FABRIC, COLLAPSED POSTS FROM TOO MUCH RUNOFF OF SILT / SOIL, MISDIRECTION OF SEDIMENT DUE TO IMPROPER INSTALLATION OF EROSION, WANDLUSM, ETC.
- THE CONTRACTOR MUST INSTALL EROSION CONTROLS AND SEDIMENT CONTROLS INCLUDING, BUT NOT LIMITED TO, FILTER SOCKS, SILT FENCE, DIVERSION BERMS, SEDIMENT TRAPS) AS MORE AREAS BECOME DISTURBED THROUGHOUT CONSTRUCTION. THIS SHALL BE DONE PRIOR TO DISTURBING PREVIOUSLY UNDISTURBED LANDS.
- ALL TRENCH AND GROUND WATER COLLECTED IS TO BE PUMPED INTO THE SEDIMENT TRAP TO BE TREATED FOR WATER QUALITY AND Dewatering DURING CONSTRUCTION.
- THE SOIL IS TO BE STRIPPED OF ITS TOP ORGANIC LAYER AS NECESSARY ONLY AFTER ALL SEDIMENT AND EROSION CONTROLS HAVE BEEN INSTALLED AND INSPECTED FOR PROPER OPERATION.
- CLEARING OF THE SITE AND STRIPPING OF EXISTING TOPSOIL WILL BE PERFORMED IN A MANNER THAT DOES NOT DISTURB NEIGHBORING LAND OR PUBLIC ROADWAYS FROM THEIR NORMAL CONDITION. DURING AND AT THE END OF EACH DAY OF TOPSOIL STRIPPING, THE DISTURBED SOIL IS TO BE TREATED WITH OSHA RECOMMENDED DUST SUPPRESSANTS SO THAT DUST DOES NOT ACCUMULATE NOR HAVE THE ABILITY TO SPREAD ONTO NEIGHBORING PROPERTIES, PUBLIC ROADWAYS, OR INTO STORM SEWER STRUCTURES DURING NORMAL WORKING HOURS.
- ALL REUSABLE EXCAVATED EARTH IS TO BE PLACED AT A SEPARATE STOCKPILE LOCATION AS SHOWN ON THIS SWPPP, WHICH IS TO BE SURROUNDED BY SILT FENCE OR FILTER SOCK AT THE END OF THE FIRST DAY OF BUILDING OF THE STOCKPILES. IF THE STOCKPILE IS TO REMAIN UNDISTURBED FOR LONGER THAN A PERIOD OF 7 DAYS, THEN TEMPORARY SEEDING MUST BE PERFORMED ON THE STOCKPILE AS PER SPECIFICATIONS OF THE SWPPP. SILT FENCE OR FILTER SOCKS MUST BE PLACED AROUND THE PERIMETER OF THE SOIL STOCKPILE ONCE IT HAS BEEN ESTABLISHED.
- TEMPORARY SEEDING IS TO TAKE PLACE AS PER THE SPECIFICATIONS DESCRIBED ON THE PLANS. TEMPORARY SEEDING IS TO BE PLACED IN AREAS THAT WILL REMAIN IDLE FOR LONGER THAN 7 DAYS.
- CONSTRUCTION VEHICLES USED IN CONCRETE RELATED WORK ARE TO BE CLEANED OFF AT THE CONCRETE WASH OUT AREA AS DEPICTED ON THIS SWPPP. THIS IS TO BE PERFORMED AT THE END OF EACH DAY OF CONCRETE DEMOLITION AND AT THE END OF ENTIRE CONCRETE DEMOLITION PORTION OF PROJECT. IF THE PRIMARY CONCRETE WASH OUT AREA BECOMES TOO HARD AND DOES NOT ALLOW THE CONCRETE WASH OFF TO PROPERLY WASH OUT, THEN A NEW WASH OUT AREA SHALL BE CREATED AND USED FOR CLEANING WHILE THE OTHER WASH OUT AREA IS REPAIRED.
- ALL EXCAVATED UTILITY TRENCHES MUST BE STABILIZED AT THE END OF EACH DAY WITH GRAVEL BACKFILL FROM THE BOTTOM OF THE TRENCH TO THE SURFACE TO PREVENT EROSION OF THE TRENCH OVERNIGHT.
- ALL SPARE AND WASTE CONSTRUCTION MATERIALS ARE TO BE DISPOSED OF IN WASTE CONTAINERS, WHICH ARE TO BE EMPTIED PRIOR TO REACHING THEIR MAXIMUM CAPACITY. SPARE CONSTRUCTION MATERIALS MAY ALSO BE TRANSPORTED OFFSITE TO AN APPROPRIATE LOCATION DETERMINED BY THE CONTRACTOR (I.E. THE CONTRACTOR'S STORAGE WAREHOUSE), OTHERWISE MATERIALS ARE TO BE DISPOSED OF AT AN OFFSITE CONSTRUCTION AND DEBRIS DEMOLITION LANDFILL AS PER ODC 3714.
- WHEN TOXIC MATERIALS (I.E. FUEL) ARE USED TO CLEAN THE MACHINERY, THE CLEANING MUST TAKE PLACE ON THE STAGING AREA. THE STAGING AREA MUST BE BARRICADED/BERMED AS TO NOT ALLOW RUNOFF FROM THE STAGING AREA ONTO PERMEABLE AREAS. THE TOXIC RUNOFF FROM CLEANING OF MACHINERY IS TO BE COLLECTED VIA VACUUM AND PLACED INTO BARRELS WHICH ARE TO BE DISPOSED OF OFF SITE AT A CONSTRUCTION AND DEBRIS DEMOLITION LANDFILL AS PER ODC 3714.

APPENDIX G – SWPPP AMENDMENT LOG

AMENDMENT NUMBER	DESCRIPTION OF THE AMENDMENT	DATE OF AMENDMENT	AMENDMENT PREPARED BY

APPENDIX I – GRADING AND STABILIZATION ACTIVITIES LOG

DATE GRADING ACTIVITY INITIATED	DESCRIPTION OF GRADING ACTIVITY	DATE GRADING ACTIVITY CEASED (INDICATE TEMPORARY OR PERMANENT)	DATE STABILIZATION MEASURED INITIATED	DESCRIPTION OF STABILIZATION MEASURE AND LOCATION

SEEDING DATE	SPECIES	TEMPORARY SEEDING SPECIFICATIONS		
		LB/1,000 FT ²	LB/ACRE	
MARCH 1 TO AUGUST 15	OATS	3	128 (4 BUSHEL)	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	PERENNIAL RYEGRASS	1	40	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1.25	55	
	PERENNIAL RYEGRASS	3.25	142	
	CREeping RED FESCUE	0.40	17	
	KENTUCKY BLUEGRASS	0.40	17	
	OATS	3	128 (4 BUSHEL)	
AUGUST 16 TO NOVEMBER 1	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	RYE	3	112 (2 BUSHEL)	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	WHEAT	3	120 (2 BUSHEL)	
	TALL FESCUE	1	40	
	ANNUAL RYEGRASS	1	40	
	PERENNIAL RYEGRASS	1	40	
	TALL FESCUE	1	40	
NOVEMBER 1 TO FEBRUARY 29	ANNUAL RYEGRASS	1.25	40	
	PERENNIAL RYEGRASS	3.25	142	
	CREeping RED FESCUE	0.40	17	
	KENTUCKY BLUEGRASS	0.40	17	
	USE MULCH ONLY, SODDING PRACTICES, OR DORMANT SEEDING.	-	-	

ADDITIONAL TEMPORARY STABILIZATION NOTES:

- TEMPORARY SEEDING IS REQUIRED FOR ANY AREAS THAT WILL REMAIN IDLE OVER THE WINTER PRIOR TO THE ONSET OF WINTER WEATHER.
- TEMPORARY SEEDING IS REQUIRED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE FOR AN AREA WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE THAT WILL REMAIN IDLE FOR 14 DAYS OR MORE.
- TEMPORARY SEEDING IS REQUIRED ON ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL LIE DORMANT FOR MORE THAN 14 DAYS, BUT LESS THAN ONE YEAR AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE.

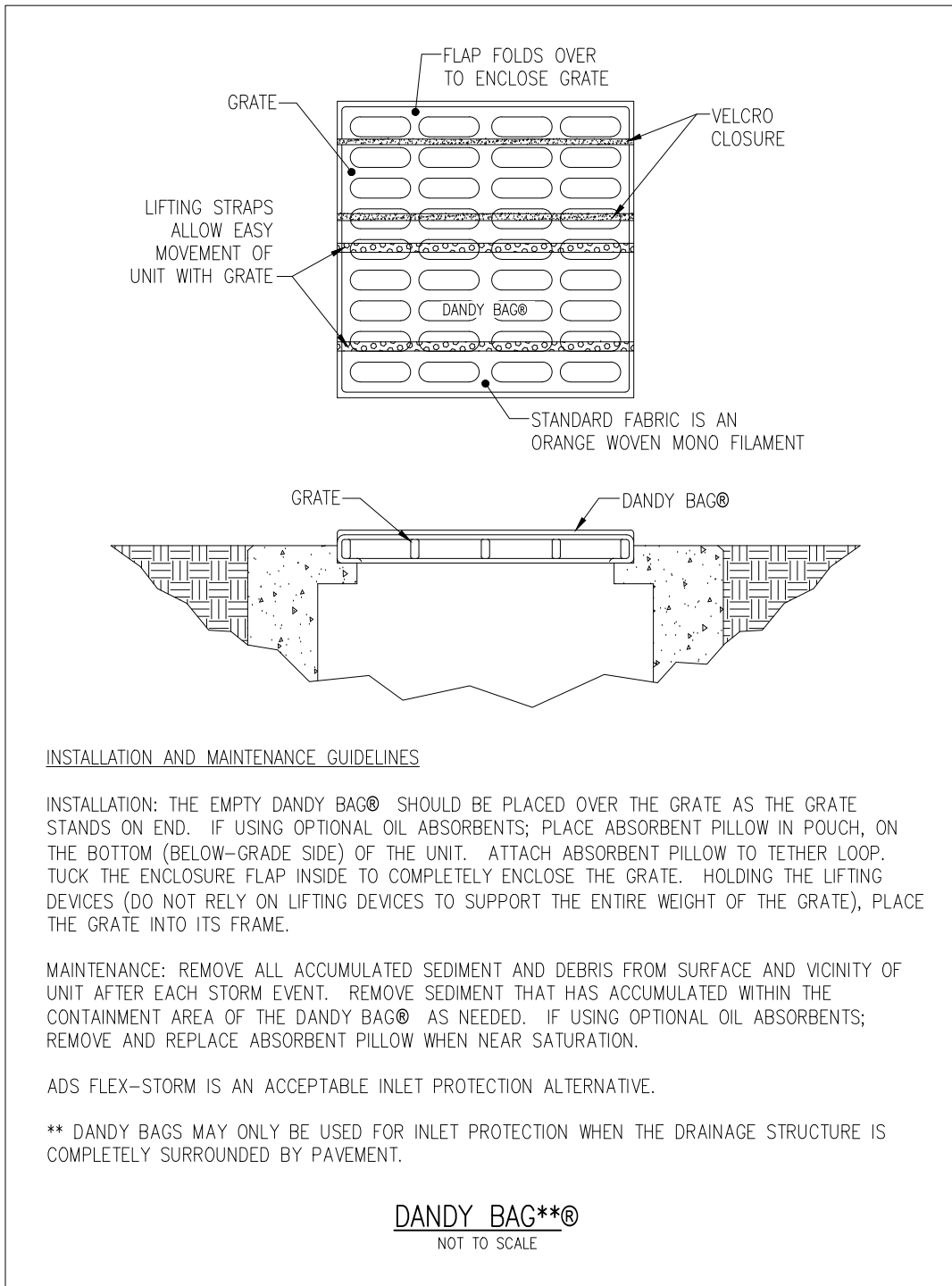
TEMPORARY SEEDING SPECIFICATIONS

SEED MIX	PERMANENT SEEDING SPECIFICATIONS		NOTES
	LB/ACRE	LB/1,000 FT ²	
GENERAL USE			
CREeping RED FESCUE	20-40	0.50-1.00	FOR CLOSE MOWING AND
DOMESTIC RYEGRASS	10-20	0.25-0.50	FOR WATERWAYS WITH <2.0
KENTUCKY BLUEGRASS	20-40	0.50-1.00	FT/SEC VELOCITY
TALL FESCUE	40-50	1.00-1.25	
TURF-TYPE (DWARF) FESCUE	90	2.25	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40-50	1.00-1.25	
CROWN VETCH	10-20	0.25-0.50	DO NOT SEED LATER THAN
TALL FESCUE	20-30	0.50-0.75	AUGUST
FLAT PEA	20-25	0.50-0.75	DO NOT SEED LATER THAN
TALL FESCUE	20-30	0.50-0.75	AUGUST
ROAD DITCHES AND SWALES			
TALL FESCUE	40-50	1.00-1.25	
TURF-TYPE (DWARF) FESCUE	90	2.25	
KENTUCKY BLUEGRASS	5	0.10	
LAWNS			
KENTUCKY BLUEGRASS	100-120	2.00	
PERENNIAL RYEGRASS	-	2.00	
KENTUCKY BLUEGRASS	100-120	2.00	FOR SHADED AREAS
CREeping RED FESCUE	-	1.50	

ADDITIONAL PERMANENT SEEDING REQUIREMENTS:

- PERMANENT SEEDING IS REQUIRED FOR ANY DISTURBED AREA THAT WILL LIE DORMANT FOR ONE YEAR OR MORE WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE.
- PERMANENT SEEDING IS REQUIRED FOR ANY AREA WITHIN 50 FEET OF A SURFACE WATER BODY OF THE STATE AND AT FINAL GRADE WITHIN 2 DAYS OF REACHING FINAL GRADE.
- PERMANENT SEEDING IS REQUIRED FOR ANY AREA AT FINAL GRADE WITHIN 7 DAYS OF REACHING FINAL GRADE.

PERMANENT SEEDING SPECIFICATIONS



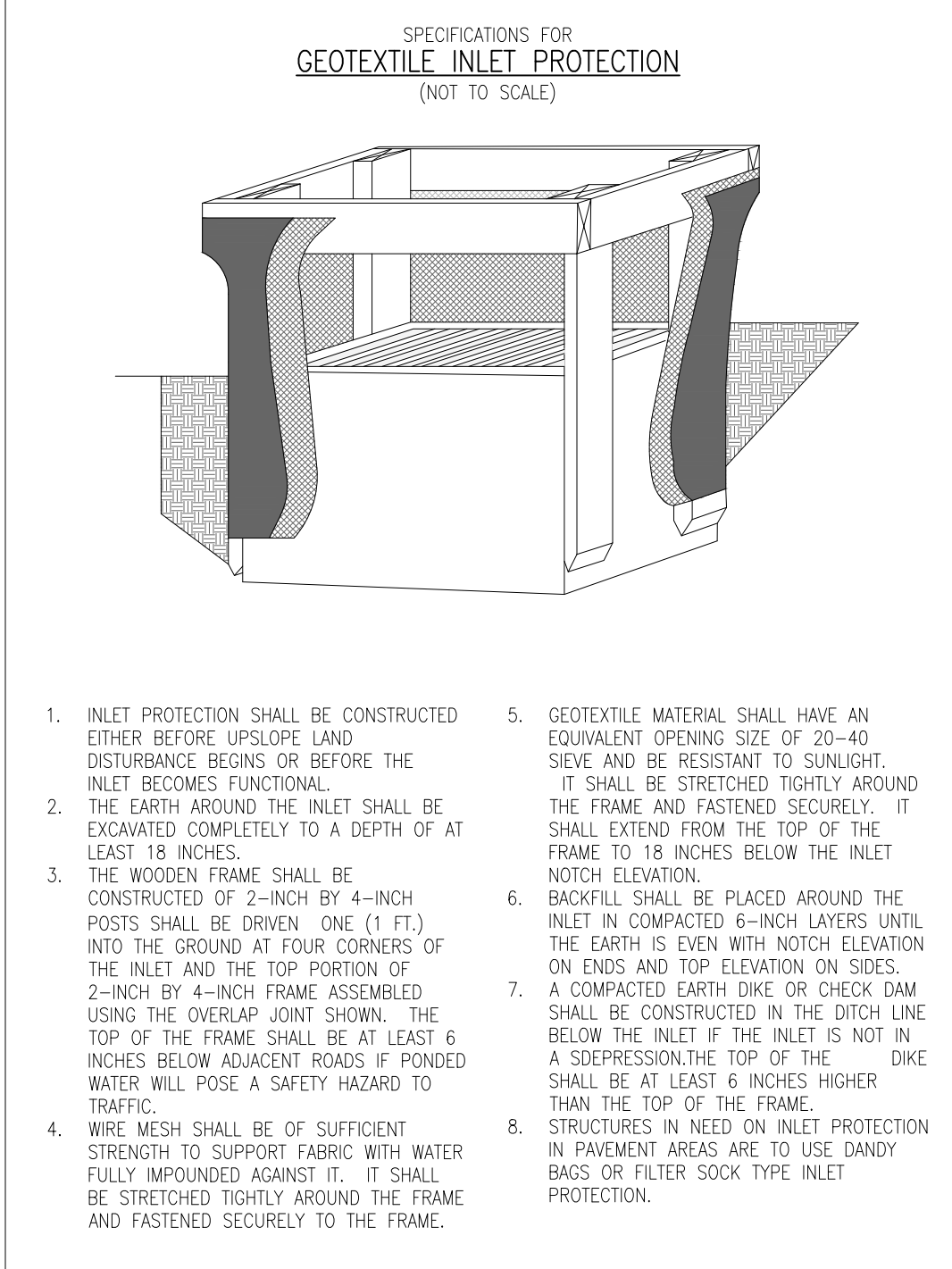
INSTALLATION AND MAINTENANCE GUIDELINES

INSTALLATION: THE EMPTY DANDY BAG® SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT FILLING IN POUCH, ON THE BOTTOM (BELOW-GRADE SIDE) OF THE UNIT. ATTACH ABSORBENT FILLING TO TETHER LOOP. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME.

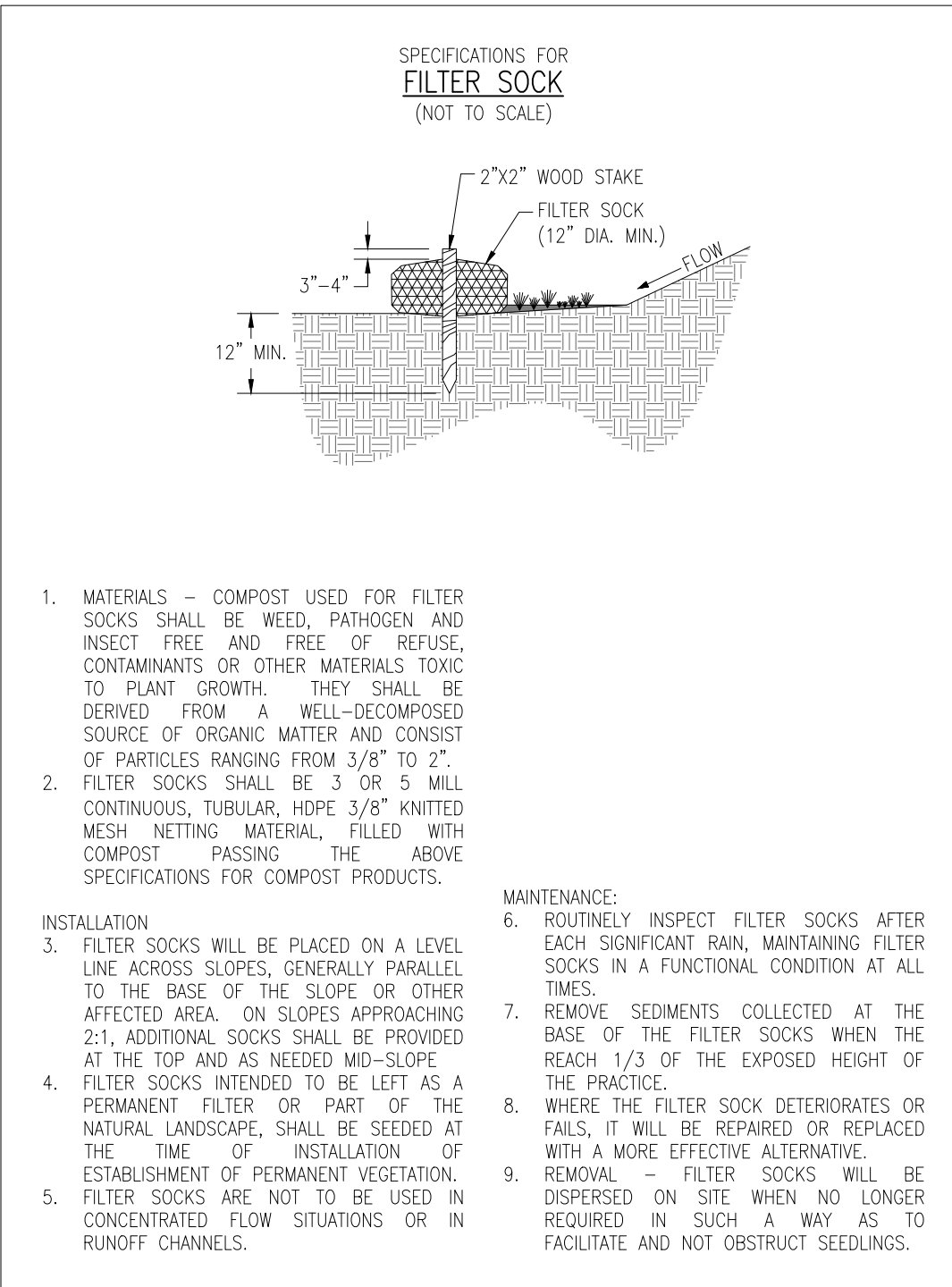
MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE DANDY BAG® AS NEEDED. IF USING OPTIONAL OIL ABSORBENTS; REMOVE AND REPLACE ABSORBENT FILLING WHEN NEAR SATURATION.

ADS FLEX-STORM IS AN ACCEPTABLE INLET PROTECTION ALTERNATIVE.

** DANDY BAGS MAY ONLY BE USED FOR INLET PROTECTION WHEN THE DRAINAGE STRUCTURE IS COMPLETELY SURROUNDED BY PAVEMENT.



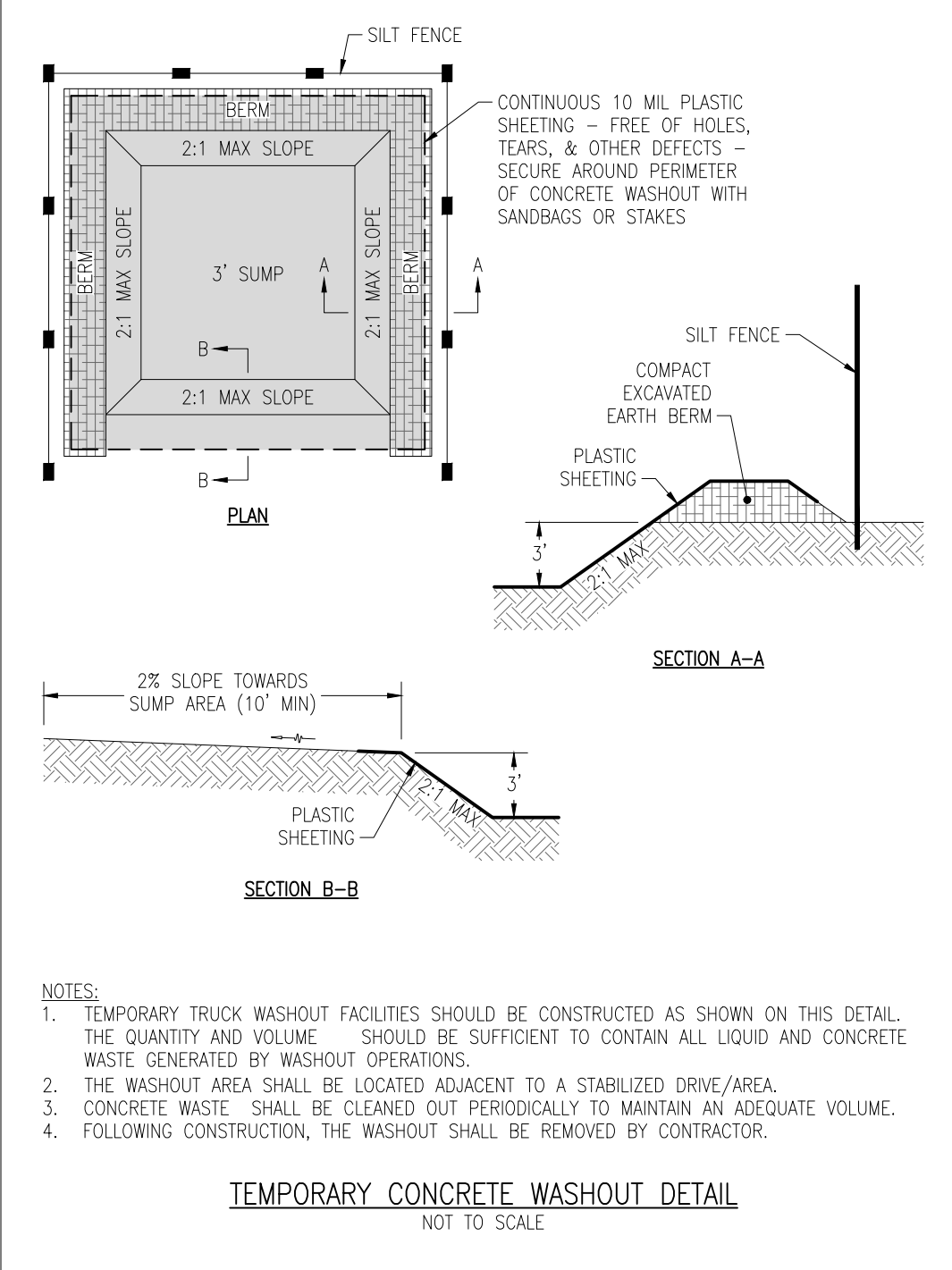
- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
- THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
- THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH POSTS SHALL BE DRIVEN ONE (1 FT.) INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-INCH BY 4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.
- WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
- GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SEIVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION.
- BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6-INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
- A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.
- STRUCTURES IN NEED ON INLET PROTECTION IN PAVEMENT AREAS ARE TO USE DANDY BAGS OR FILTER SOCK TYPE INLET PROTECTION.



- MATERIALS – COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THE SOIL SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
- FILTER SOCKS SHALL BE 3' OR 5' MILL CONTINUOUS, TUBULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST. PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.

- INSTALLATION
- FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MID-SLOPE
- FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEED AT THE TIME OF INSTALLATION OF ESTABLISHMENT OF PERMANENT VEGETATION.
- FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOFF CHANNELS.

- MAINTENANCE:
- ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
- REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THE REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.
- WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
- REMOVAL OF PERMANENT VEGETATION SHALL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH A WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.



- NOTES:**
- TEMPORARY TRUCK WASHOUT FACILITIES SHOULD BE CONSTRUCTED AS SHOWN ON THIS DETAIL. THE QUANTITY AND VOLUME SHOULD BE SUFFICIENT TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
 - THE WASHOUT AREA SHALL BE LOCATED ADJACENT TO A STABILIZED DRIVE/AREA.
 - CONCRETE WASTE SHALL BE CLEANED OUT PERIODICALLY TO MAINTAIN AN ADEQUATE VOLUME.
 - FOLLOWING CONSTRUCTION, THE WASHOUT SHALL BE REMOVED BY CONTRACTOR.

Project Name

Sheet Revision

1 BID SET 05-20-2026

Project Issue

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Sheet Name

C201

Sheet #

RC Project # 26-001

