

GENERAL: THE CURRENT STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION & MATERIAL SPECIFICATIONS (ODOTCMS) TOGETHER WITH THE REQUIREMENTS OF LICKING COUNTY, INCLUDING ALL SUPPLEMENTS THERETO, IN FORCE ON THE DATE OF CONTRACT, SHALL GOVERN ALL MATERIALS & WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS. WHEN THERE IS OR APPEARS TO BE A CONFLICT BETWEEN THE ABOVE REFERENCED SPECIFICATIONS & THESE PLANS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN. UNLESS OTHERWISE SPECIFIED, ALL ITEM NUMBERS REFER TO ODOTCMS.

PROJECT LIMITS: THE CONTRACTOR SHALL CONFINe HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT, THE EXISTING RIGHTS-OF-WAY, CONSTRUCTION EASEMENTS & PERMANENT EASEMENTS, & SHALL NOT TRESPASS UPON PRIVATE PROPERTY WITHOUT WRITTEN CONSENT OF THE PROPERTY OWNER.

MISCELLANEOUS WORK: ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR & THE COST OF SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS.

PERMITS: THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS.

TRAFFIC CONTROL: THE CONTRACTOR SHALL USE ADEQUATE LIGHTS, SIGNS, FLAGGERS, & BARRICADES AS REQUIRED IN ITEM 614 TO SAFEGUARD THE TRAVELING PUBLIC AT ALL TIMES. ALL TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS. WHERE IT IS ANTICIPATED THAT WORK WILL CLOSE A ROAD OR STREET, THE CONTRACTOR SHALL INFORM THE RESIDENTS TO BE AFFECTED, THE LOCAL LAW ENFORCEMENT AGENCY, THE LOCAL FIRE DEPARTMENT, & THE ENGINEER AS TO THE EXTENT, NATURE, & THE TIME OF THE ANTICIPATED WORK. THE CONTRACTOR SHALL SUBMIT A PLAN & SCHEDULE FOR DETOURING TRAFFIC 10 DAYS PRIOR TO THE CLOSING OF ANY ROAD OR STREET TO THE ENGINEER & ROAD OWNER. DURING A CLOSING OF A ROAD OR STREET, THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES FOR EMERGENCY VEHICLES & THE PROPERTY OWNERS. NO ROAD OR STREET SHALL BE CLOSED UNTIL THE SCHEDULE IS APPROVED BY THE AGENCY HAVING CONTROL OF THE ROAD.

SAFETY OF CONSTRUCTION: THE CONTRACTOR SHALL COMPLY WITH THE FEDERAL OCCUPATIONAL SAFETY & HEALTH ACT OF 1970 (OSHA) & ALL OTHER APPLICABLE FEDERAL, STATE, & LOCAL LAWS, REGULATIONS, FINDINGS & ORDERS RELATING TO SAFETY & HEALTH CONDITIONS ON THE WORK SITE. CONSTRUCTION METHODS FOR COMPLETING THE WORK DESCRIBED IN THESE CONTRACT DOCUMENTS SHALL BE CONSISTENT WITH THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) AMENDED CONSTRUCTION STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926, SUB-PART F, EFFECTIVE MARCH 5, 1990.

EROSION & SEDIMENT CONTROL: PROJECTS DISTURBING ONE ACRE OR MORE (OR PROJECTS DISTURBING LESS THAN ONE ACRE BUT PART OF A LARGER COMMON PLAN OF DEVELOPMENT) ARE REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) TO THE OHIO EPA FOR COVERAGE UNDER THEIR GENERAL CONSTRUCTION STORM WATER PERMIT & ARE REQUIRED TO MAINTAIN AN APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWP3) ON SITE AT ALL TIMES. ALL PROJECT CONTRACTORS & SUBCONTRACTORS INVOLVED IN ACTIVITIES RELATED TO THE SWP3 OR OTHER STORM WATER PERMIT CONDITIONS ARE REQUIRED TO SUBMIT INDIVIDUAL CO-PERMITTEE NOI APPLICATIONS. ALL LAND DISTURBING ACTIVITIES SHALL COMPLY WITH THE CONDITIONS OF THE GENERAL PERMIT & THE DETAILS DESCRIBED IN THE SWP3.

BORROW MATERIAL & SURPLUS EXCAVATION: THE SITE SHALL BE CONSTRUCTED TO THE FINAL GRADES SHOWN ON THE PLANS. WHERE NECESSARY, THE CONTRACTOR SHALL OBTAIN SUITABLE BORROW MATERIAL ON-SITE OR OFF-SITE AS NEEDED TO COMPLETE THE SITE CONSTRUCTION AS DESCRIBED HEREIN. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION ON SITE &, IF NECESSARY, SHALL HAUL SURPLUS EXCAVATED MATERIAL AWAY FROM THE SITE & DISPOSE OF PROPERLY.

EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING EXISTING UTILITIES IS APPROXIMATE. THE LOCATION, SIZES, & OTHER INFORMATION SHOWN IS ONLY AS ACCURATE AS THAT PROVIDED BY THE OWNERS OF THE UTILITY. THIS INFORMATION IS NOT REPRESENTED, WARRANTED OR GUARANTEED TO BE COMPLETE OR ACCURATE. THE ENGINEER DOES NOT INDEPENDENTLY VERIFY NOR FIELD LOCATE UTILITIES. THE CONTRACTOR IS RESPONSIBLE TO PHYSICALLY LOCATE & VERIFY, IN THE FIELD, THE HORIZONTAL & VERTICAL LOCATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL SUPPORT, PROTECT & RESTORE ALL EXISTING UTILITIES & THEIR ASSOCIATED ITEMS. THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE SECTIONS OF THE OHIO REVISED CODE INCLUDING SECTIONS 153.64 & 3781.28. THE CONTRACTOR SHALL NOTIFY THE REGISTERED UTILITY PROTECTION SERVICE & ALL UTILITY OWNERS HAVING FACILITIES IN THE CONSTRUCTION AREA WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE. THE CONTRACTOR SHALL GIVE NOTIFICATION AS REQUIRED BY OHIO REVISED CODE, AT LEAST TWO (2) & NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, EXCLUDING SATURDAYS, SUNDAYS, & LEGAL HOLIDAYS, & SHALL COORDINATE HIS WORK WITH THE UTILITY OWNERS UNTIL HIS WORK IS COMPLETED. THE CONTRACTOR SHALL KEEP THE UTILITY OWNERS APPRISED OF HIS SCHEDULE & REQUIREMENTS & SHALL PROVIDE THE PROJECT OWNER WITH EVIDENCE OF HAVING NOTIFIED THE UTILITIES & PROVIDED THEM WITH HIS WORK SCHEDULE PRIOR TO BEGINNING ANY WORK.

THE CONTRACTOR MAY REVIEW THE INFORMATION PROVIDED TO THE ENGINEER BY THE UTILITY OWNERS AT THE ENGINEER'S OFFICE PRIOR TO SUBMITTING A BID. CONTRACTORS REQUIRING MORE INFORMATION REGARDING EXISTING UTILITIES SHOULD CONDUCT THEIR OWN FIELD INVESTIGATIONS OR OTHERWISE LOCATE THE UTILITIES PRIOR TO SUBMITTING A BID FOR THE CONSTRUCTION. THE FOLLOWING UTILITIES MAY HAVE UNDERGROUND FACILITIES IN THE PROJECT AREA:

DRAINAGE TILE: ALL FARM DRAINS, ROADWAY DRAINS, & OTHER DRAINAGE TILE WHICH ARE ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS DURING CONSTRUCTION SHALL BE PROVIDED WITH AN UNOBSTRUCTED OUTLET. EXISTING COLLECTOR TILES WHICH ARE LOCATED BELOW THE PROPOSED FINISHED ELEVATION & WHICH CROSS THE TRENCH SHALL BE REPLACED WITHIN THE TRENCH LIMITS BY ITEM 611 CONDUIT. THE LOCATION, TYPE, SIZE, & GRADE OF THE REQUIRED REPLACEMENT SHALL BE DETERMINED BY THE PROJECT ENGINEER OR HIS SITE REPRESENTATIVE DURING CONSTRUCTION. NECESSARY BENDS OR FITTINGS, COMPACTED GRANULAR BACKFILL, & ASSOCIATED ITEMS SHALL BE INCLUDED IN THE BID PRICE.

TEMPORARY PAVEMENT: TEMPORARY PAVEMENT REPLACEMENT SHALL BE PROVIDED ON PERMANENT PAVEMENT DAMAGED OR REMOVED BY THE CONTRACTOR IN THE PERFORMANCE OF THE WORK. AS SOON AS THE TRENCH HAS BEEN BACKFILLED, TEMPORARY PAVEMENT SHALL BE INSTALLED. THE ENGINEER MAY REQUIRE THAT ALL MATERIALS & EQUIPMENT INCIDENTAL TO PROVIDING THE TEMPORARY PAVEMENT BE ON THE JOB SITE PRIOR TO REMOVING THE EXISTING PAVEMENT. TEMPORARY PAVEMENT SHALL CONSIST OF 2" OF BITUMINOUS COLD MIX PLACED UPON 6" OF COMPACTED ITEM 304, AGGREGATE BASE. TEMPORARY PAVEMENT SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT PAVEMENT IS INSTALLED.

PERMANENT PAVEMENT: WHERE DAMAGED OR REMOVED, THE PAVEMENT SHALL BE REPLACED BY FIRST REMOVING TEMPORARY PAVEMENT DOWN TO CLEAN GRANULAR MATERIAL & REMOVING EXISTING PAVEMENT FOR AT LEAST 12" BEYOND THE TRENCH LIMITS ON EACH SIDE. PAVEMENT TO BE REMOVED SHALL BE NEATLY SAVED NOT MORE THAN 72 HOURS PRIOR TO THE PLACING OF PERMANENT PAVEMENT MATERIALS. PERMANENT PAVEMENT REPLACEMENT MATERIALS & WORKMANSHIP SHALL BE AS SHOWN ON THE

CONSTRUCTION DRAWINGS. ITEM 407, TACK COAT, SHALL BE APPLIED TO THE EXPOSED EXISTING PAVEMENT EDGES WHEN EITHER THE EXISTING OR NEW PAVEMENT IS BITUMINOUS MATERIAL. WHEN THE PERMANENT PAVEMENT IS BITUMINOUS MATERIAL, ITEM 407, TACK COAT SHALL BE APPLIED TO BITUMINOUS OR CONCRETE BASE MATERIAL PRIOR TO THE PLACING OF THE PERMANENT PAVEMENT.

INSTALLATION IN EMBANKMENT: WHERE UTILITIES ARE TO BE INSTALLED IN EMBANKMENT AREAS, THE EMBANKMENT SHALL BE PLACED & COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS. A MINIMUM OF 2' ABOVE THE PIPE BUT SUFFICIENTLY ABOVE THE PIPE TO PROTECT THE PIPE FROM DAMAGE DUE TO FURTHER CONSTRUCTION ACTIVITIES PRIOR TO THE INSTALLATION OF THE UTILITY.

CONFLICTS IN GRADE: IN ALL CONFLICTS IN GRADE BETWEEN THE WATER LINES OR WATER SERVICES & OTHER EXISTING UTILITIES, THE WATER LINE/SERVICE LINE SHALL BE LOWERED DURING CONSTRUCTION. A MINIMUM 18" VERTICAL & 10' HORIZONTAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE WATER LINE & ANY SANITARY OR STORM SEWER; 12" MINIMUM VERTICAL CLEARANCE FOR OTHER UTILITIES. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AHEAD OF HIS CONSTRUCTION OPERATIONS TO ALLOW FOR ADJUSTMENTS IN GRADE TO THE WATER LINE THAT MAY BE REQUIRED AS A RESULT OF POTENTIAL CONFLICTS WITH AN EXISTING UTILITY. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR LOWERING THE WATER LINE TO AVOID CONFLICTS WITH EXISTING UTILITIES.

STEEL CASING PIPE: CASING PIPE SHALL BE STEEL PIPE MEETING ASTM SPECIFICATIONS, 35,000 PSI YIELD STRENGTH & 60,000 PSI TENSILE STRENGTH, OR AN APPROVED EQUIVALENT, TO SERVE AS A CASING FOR THE WATER MAIN OR SEWER & SHALL BE INSTALLED TO THE LIMITS & AT THE LOCATIONS SHOWN ON THE PLANS. CASING PIPE SHALL BE GALVANIZED WITH A MINIMUM OF TWO OUNCES PER SQUARE FOOT & SHALL CONFORM TO ASTM A120. STEEL CASING PIPE SHALL HAVE THE FOLLOWING MINIMUM WALL THICKNESSES:

8" THROUGH 10" CASING -- 0.2" 12" THROUGH 16" CASING -- 0.219" 18" CASING -- 0.25" 20" CASING -- 0.281" 24" CASING -- 0.344" 28" CASING -- 0.406" 36" CASING -- 0.469"

EXISTING DITCHES: WHERE IT BECOMES NECESSARY TO LOCATE A MAIN LINE VALVE, FIRE HYDRANT OR MANHOLE IN AN EXISTING DITCH, THE CONTRACTOR SHALL RELOCATE THE DITCH BEHIND THE PROPOSED VALVE, HYDRANT OR MANHOLE.

MANHOLE TOPS: WHERE MANHOLES ARE LOCATED WITHIN PUBLIC OR PRIVATE PAVEMENT, SIDEWALK, CONCRETE PAD OR PAVED SHOULDER, THE TOPS SHALL BE BUILT TO EXISTING PAVEMENT ELEVATIONS. ELSEWHERE MANHOLES SHALL BE BUILT OR SUBSEQUENTLY ADJUSTED TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE MANHOLE. THE COST OF ADJUSTMENT IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

FINAL GRADING & CLEAN-UP: THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS & MATERIALS RESULTING FROM HIS OPERATION & RESTORE ALL SURFACES, STRUCTURES, DITCHES, SIGNS, MAILBOXES, FENCES, GUARDRAILS, OR OTHER PHYSICAL FEATURES OR PROPERTY DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER. THE COST OF ALL SUCH WORK SHALL BE INCLUDED WITH THE VARIOUS RELATED ITEMS.

SEEDING & MULCHING: ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION & ELEVATION OR TO THE PROPOSED ELEVATIONS SHOWN ON THE DRAWINGS, & PROPER DRAINAGE SHALL BE PROVIDED. AFTER FINAL GRADING, THE SEED BED SHALL BE RAKED & ALL STONES, CLODS, LUMPS & OTHER FOREIGN MATERIAL GREATER THAN 1" IN DIAMETER SHALL BE REMOVED PRIOR TO SEEDING & MULCHING. ALL AREAS SHALL BE SEEDED PER ITEM 659.09, CLASS 1 FOR RESIDENTIAL AREAS OR CLASS 2 FOR RURAL ROADSIDE AREAS, UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL WATER, RE-SEED & MULCH AS NECESSARY UNTIL AN ACCEPTABLE STAND OF GRASS IS ACHIEVED.

STORM SEWER & CULVERT CONSTRUCTION: UNLESS SHOWN OTHERWISE ON THESE PLANS, STORM SEWER & CULVERT CONSTRUCTION SHALL CONFORM TO ODOT SPECIFICATIONS. PIPE SHALL BE CORRUGATED POLYETHYLENE SMOOTH LINED PIPE, ITEM 707.33, OR REINFORCED CONCRETE CIRCULAR PIPE, ITEM 706.02.

BEDDING & BACKFILL: STORM SEWERS UNDER EXISTING OR PROPOSED PAVEMENT LIMITS & DRIVES SHALL BE INSTALLED AS REQUIRED FOR TYPE B OR TYPE D CONDUIT, ITEM 611.02. BACKFILL SHALL BE ITEM 703.11, TYPE 1, UP TO THE PAVEMENT SUBGRADE OR WITHIN 6" OF FINISHED GRADE. THE PAVEMENT LIMITS SHALL BE 5' BEYOND THE EDGE OF PAVEMENT, PAVED SHOULDER OR BACK OF CURB. STORM SEWER OUTSIDE PAVEMENT LIMITS SHALL BE INSTALLED AS REQUIRED FOR TYPE C CONDUIT, ITEM 611.02, USING NATURAL BACKFILL. BEDDING FOR TYPE B, C OR D CONDUIT SHALL CONSIST OF NOS. 57, 6, 67, 7, 78, OR 8, ITEM 703, AS REQUIRED BY THE PIPE MANUFACTURER. ANY SETTLEMENT WHICH OCCURS DURING THE GUARANTEE PERIOD SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.

UNDERDRAIN: WHERE DOWNSPOUTS FROM RESIDENTIAL DWELLINGS ARE TO CONNECT INTO THE STREET UNDERDRAIN SYSTEM, THE UNDERDRAIN SHALL BE 6" MINIMUM OR AS OTHERWISE SPECIFIED. 4" UNDERDRAINS ARE ACCEPTABLE WITHOUT DOWNSPOUT CONNECTIONS. PIPE USED FOR UNDERDRAIN SHALL CONFORM TO ITEM 707.31, CORRUGATED POLYETHYLENE DRAINAGE TUBING.

SOUTHWEST LICKING COMMUNITY WATER & SEWER DISTRICT WATERLINE NOTES

W-1CONNECTING WATERLINES: THE CONNECTION OF PROPOSED WATERLINES TO EXISTING WATERLINES SHALL BE DONE IN A MANNER THAT WILL CAUSE A MINIMUM OF INCONVENIENCE TO THOSE WITH AFFECTED SERVICES. WORK CONCERNING THE DISCONNECTION AND RE-CONNECTION OF EXISTING WATERLINES SHALL BE DONE BETWEEN THE HOURS OF 10:00 P.M. AND 5:00 A.M., OR AS DIRECTED BY THE DISTRICT. NO SUCH WORK SHALL BEGIN UNTIL THE FIRE DEPARTMENT, DISTRICT, COUNTY SHERIFF'S OFFICE AND RESIDENTS WHOSE SERVICES WILL BE AFFECTED ARE ALL NOTIFIED AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE CONNECTION, OF THE EXTENT, NATURE AND TIME OF THE ANTICIPATED WORK, NOR UNTIL THE METHOD AND SCHEDULE OF SUCH WORK HAS BEEN APPROVED BY THE DISTRICT.

W-2SERVICE LOCATIONS: ALL WATER SERVICES SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM THE SANITARY SEWER SERVICE AND IN A SEPARATE TRENCH. A PERMIT FOR EACH WATER SERVICE MUST BE OBTAINED FROM THE DISTRICT, PRIOR TO MAKING ANY CONNECTION FROM THE WATER MAIN OR WATER SERVICE BOX TO ANY EXISTING OR PROPOSED BUILDING.

W-3CONFLICTS: WHEN CONFLICTS IN GRADE BETWEEN WATERLINES AND SEWERS ARE FOUND DURING CONSTRUCTION, THE WATERLINES SHALL BE LOWERED, UNLESS DIRECTED OTHERWISE, BY THE DISTRICT. A MINIMUM VERTICAL SEPARATION OF 18 INCHES, MEASURED FROM THE OUTSIDE OF EACH PIPE, SHALL BE MAINTAINED.

W-4MINIMUM DEPTH: WATER LINES SHALL BE LAID WITH A MINIMUM OF FOUR (4) FEET OF COVER FROM THE FINAL PROPOSED GROUND OR PAVEMENT GRADE TO THE TOP OF THE WATERLINE.

W-5LINE CROSSINGS: AT ALL POINTS OF CROSSING OF WATER MAINS AND SEWERS, THE BACKFILL SHALL BE GRANULAR MATERIAL BETWEEN THE DEEPER AND SHALLOWER PIPE. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND ALL SEWERS SHALL BE TEN (10) FEET MEASURED FROM THE OUTSIDE OF EACH PIPE. THE MINIMUM VERTICAL SEPARATION AT CROSSINGS OF WATER MAINS AND ALL SEWERS SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF EACH PIPE.

W-6DISINFECTION: ALL WATER MAINS SHALL BE CLEANED AND DISINFECTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF AWWA SPECIFICATION C651. SPECIAL ATTENTION IS DIRECTED TO THE REQUIREMENTS OF FLUSHING AND CHLORINATING VALVES AND FIRE HYDRANTS. RESULTS OF THE DISINFECTION TESTS SHALL BE FURNISHED TO THE DISTRICT PRIOR TO ACCEPTANCE OF THE SYSTEM. TESTING FOR ACCEPTANCE TO BE CONDUCTED AFTER ALL OTHER UTILITIES LOCATED WITHIN THE RIGHT-OF-WAY ARE INSTALLED.

W-7TESTING: A HYDROSTATIC TEST, AS REQUIRED IN SECTION 7.3 OF AWWA SPECIFICATION C605 FOR PVC PIPE OR SECTION 5.2 OF AWWA SPECIFICATION C600 FOR DUCTILE IRON PIPE AS APPLICABLE, SHALL BE APPLIED TO THE WATER MAIN. IF THERE ARE INDICATIONS OF LEAKS UNDER THIS PRESSURE TEST, THE CONTRACTOR SHALL LOCATE AND REPAIR ALL LEAKS AT THE CONTRACTOR'S EXPENSE UNTIL THE LEAKAGE IS WITHIN THE SPECIFIED ALLOWANCE. ALL BENDS, JOINT DEFLECTIONS AND HYDRANTS SHALL HAVE CONCRETE BACKING, AND ALL VALVES SHALL HAVE CONCRETE SUPPORTS, IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DRAWINGS. TESTING FOR ACCEPTANCE TO BE CONDUCTED AFTER ALL OTHER UTILITIES LOCATED WITHIN THE RIGHT-OF-WAY ARE INSTALLED.

W-8FIRE HYDRANTS: FIRE HYDRANTS SHALL BE AMERICAN FLOW CONTROL MODEL MK-73-5, MUELLER SUPER CENTURION 250 MODEL A-421 OR CLOW MEDALLION, AS SHOWN ON STANDARD DRAWING W-20, AND BE INSTALLED AS PER STANDARD DRAWINGS W-21, W-22, W-23, W-24 AND W-25. WEST LICKING FIRE DEPARTMENT REQUIRES ALL FIRE HYDRANTS TO HAVE A "SCREW ON" TYPE STORTZ FITTING. FIRE HYDRANTS SHALL BE PAINTED FIRE PROTECTION RED FROM THE MANUFACTURER AND THE LIDS OF WATCH VALVE BOXES PAINTED FIRE PROTECTION RED IN THE FIELD. FIRE HYDRANTS ON A PRIVATE WATER SYSTEM SHALL BE PAINTED FIRE PROTECTION RED WITH A BLUE BONNETT. THE DISTRICT MAY REQUIRE SPECIFIC HYDRANTS TO MATCH EXISTING DEVELOPMENTS.

W-9CURB AND VALVE BOXES: CURB BOXES SHALL BE LOCATED 6 INCHES FROM THE FRONT PROPERTY LINE OR EASEMENT LINE, AND WITHIN 10 FEET OF THE SIDE PROPERTY LINE, UNLESS OTHERWISE SHOWN ON THE PLANS. ALL CURB BOX AND VALVE BOX TOPS SHALL BE ADJUSTED TO BE 3" ABOVE FINAL SURFACE GRADES. THE CONTRACTOR SHALL FURNISH AND PLACE, AS DIRECTED, A STAKE MADE OF 4" X 4" HARDWOOD LUMBER AT ALL CURB BOXES AND VALVE BOXES, EXTENDING A MINIMUM OF 3 FEET ABOVE FINAL SURFACE GRADES WITH THE TOP 2 FEET OF THE 4"x4" BEING PAINTED SAFETY BLUE. ALL CURB AND VALVE BOX LIDS SHALL BE PAINTED SAFETY BLUE.

W-10 CURB BOX EXTENSION ROD: A FORD ROD-42 EXTENSION ROD WITH CENTERING RING SHALL BE INSTALLED ON ALL CURB BOXES.

W-11 VALVE EXTENSION: IF THE TOP OF THE OPERATING NUT IS LOWER THAN 36 INCHES BELOW FINISHED GRADE, AN EXTENSION STEM SHALL BE FURNISHED TO BRING THE TOP OF THE OPERATING NUT TO BETWEEN 24 INCHES AND 36 INCHES OF FINISHED GRADE ELEVATION.

W-12 INSTALLATION IN EMBANKMENT: WHERE WATER MAINS ARE TO BE INSTALLED IN EMBANKMENT AREAS, THE EMBANKMENT SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO THE INSTALLATION OF THE WATER MAIN. THE WATER MAIN SHALL BE INSTALLED WITH A MINIMUM OF FOUR (4) FEET OF COVER IN ALL DIRECTIONS.

W-13 VALVE OPERATION: EXISTING VALVES SHALL BE OPERATED BY DISTRICT PERSONNEL ONLY.

W-14 CONSTRUCTION AND MATERIAL SPECIFICATIONS: ALL MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE CURRENT SOUTHWEST LICKING COMMUNITY WATER & SEWER DISTRICT CONSTRUCTION AND MATERIAL SPECIFICATIONS, INCLUDING ALL SUPPLEMENTS THERETO (UNLESS TOWNSHIP, CITY, AND/OR COUNTY STANDARDS ARE MORE STRINGENT, IN WHICH CASE THOSE STANDARDS SHALL BE FOLLOWED). WATER MAIN PIPE SHALL BE PVC PLASTIC PIPE, AWWA C900 DR 18. DUCTILE IRON PIPE CLASS 53, AWWA C151, CEMENT LINED AWWA C104, WITH JOINTS CONFORMING TO AWWA C111 IS AN ACCEPTABLE ALTERNATE WATER MAIN PIPE. ALL BENDS, JOINT DEFLECTIONS AND FITTINGS SHALL BE BACKED WITH CONCRETE. BLUE METALLIC FIELD LOCATOR TAPE OF SIX (6) INCH WIDTH SHALL BE PLACED OVER ALL WATER MAINS, WITHIN 12 TO 18 INCHES OF FINISHED GRADE. TEN (10) GAUGE SOLID TRACER WIRE SHALL BE LAID IN THE PIPE TRENCH AND EXTENDED INTO EACH VALVE OPENING. TRACER WIRE CONNECTIONS SHALL BE MADE WITH COPPERHEAD SNAKEBITE WATERPROOF DIRECT BURY LUGS #3WB-01.

WATER MAIN VALVES SHALL BE AWWA C509, RESILIENT WEDGE WITH 250 PSI WORKING PRESSURE, NON- RISING STEM, LEFT HAND OPEN VALVE WITH RUBBER "O" PACKING SEALS. ALL VALVE BONNET BOLTS SHALL TO BE STAINLESS STEEL.

WATER SERVICE LINE PIPE SHALL BE AWWA C901, PE 4710, DR9, CTS ASTM D2737 AND SHALL BE INSTALLED WITH A COVER OF FOUR (4) FEET.

W-15 WATER SYSTEM PRESSURE: ALL WATER MAINS INCLUDING THOSE NOT DESIGNED TO PROVIDE FIRE PROTECTION, SHALL BE SIZED AFTER A HYDRAULIC ANALYSIS BASED ON FLOW DEMANDS AND PRESSURE REQUIREMENTS. THE SYSTEM SHALL BE DESIGNED TO MAINTAIN A MINIMUM PRESSURE OF 20 PSI (140 KPA) AT GROUND LEVEL AT ALL POINTS IN THE DISTRIBUTION SYSTEM UNDER ALL CONDITIONS OF FLOW. THE NORMAL WORKING PRESSURE IN THE DISTRIBUTION SYSTEM SHALL BE AT LEAST 35 PSI (240 KPA) AND SHOULD BE APPROXIMATELY 60 TO 80 PSI (410 - 550 KPA) AND NOT LESS THAN 35 PSI (240 KPA).

W-16 CURB STOP: CURB STOP SHALL BE EQUIVALENT TO MUELLER H-15209 WITH A BOX EQUIVALENT TO BINGHAM AND TAYLOR NO. 4901,SIZE 94E.

W-17 CORPORATION STOP AND SADDLE: CORPORATION STOPS SHALL BE MUELLER H-15008 WITH A FORD STYLE "FS" SERIES 313 TAPPING SADDLE OR DISTRICT PRE-APPROVED EQUAL.

W-18 TAPPING SLEEVE: TAPPING SLEEVES SHALL BE STAINLESS STEEL AND SHALL BE EQUIVALENT TO MUELLER H- 304 OR SMITH BLAIR 663.

W-19 BACKFLOW PREVENTERS: BACKFLOW PREVENTERS SHALL BE PROVIDED ON ALL COMMERCIAL CONNECTIONS AND ANY RESIDENTIAL CONNECTIONS WHERE AN AUXILIARY WATER SUPPLY IS AVAILABLE. ALL BACKFLOW PREVENTERS SHALL HAVE AN APPROVED EXPANSION TANK.

REDUCED PRESSURE BACKFLOW PREVENTERS SHALL BE PROVIDED FOR ALL AREAS DEEMED BY THE DISTRICT WHERE THERE IS A HIGH POTENTIAL HEALTH HAZARD FROM CONTAMINATION. ALL REDUCED PRESSURE BACKFLOW PREVENTERS SHALL MEET AWWA C511 AND BE FROM THE LATEST APPROVED LIST OF THE OEPA.

DOUBLE CHECK BACKFLOW PREVENTERS SHALL BE PROVIDED FOR ALL AREAS DEEMED BY THE DISTRICT WHERE THERE IS A LOW POTENTIAL HEALTH HAZARD FROM CONTAMINATION. ALL DOUBLE CHECK BACKFLOW PREVENTERS SHALL MEET AWWA C510 AND BE FROM THE LATEST APPROVED LIST OF THE OEPA.

W-20 TOOLS AND SPARE PARTS: THE FOLLOWING TOOLS AND SPARE PARTS SHALL BE DELIVERED TO THE DISTRICT PRIOR TO FINAL ACCEPTANCE OF THE PROJECT: ONE (1) MAINLINE WRENCH, ONE (1) PROBE (FOUR FEET), ONE (1) FORTY EIGHT INCH CURB BOX WRENCH (MUELLER H-10356), ONE (1) COMPLETE CURB BOX, ONE (1) FIRE HYDRANT WRENCH, AND ONE (1) STRAIGHT STORTZ FITTING.

STRUCTURE LOCATION		
STRUCTURE	NORTHING	EASTING
A1	739607.1297	1899804.4980
A2	739433.2515	1899683.5737
A3	739322.5276	1899607.4786
A4	739226.4734	1899540.6773
A5	739122.7948	1899421.3883
A6	738902.9167	1899343.1505
A7	738857.4738	1899383.6503
A8	738789.9591	1899571.9102
A9	738724.5025	1899754.4324
A10	738709.1513	1899953.8424
A11	739355.0720	1899560.6826
A12	739385.9036	1899516.3496
A13	739259.0172	1899493.8809
A14	739289.8487	1899449.5479
A15	739067.8745	1899218.6970
A16	739073.7800	1899545.4829
A17	739035.5324	1899652.9747
A18	739132.7544	1899626.2419
A19	738801.9371	1899363.7335
A20	738734.4231	1899551.9929
A21	738664.7035	1899545.7342
A22	738670.3824	1899730.5670

STRUCTURE LOCATION		
STRUCTURE	NORTHING	EASTING
B1	739533.1043	1899936.5961
B2	739315.4180	1899855.0300
B3	739225.1576	1899986.3655
B4	739134.8981	1900117.6998
B5	739079.8532	1900284.6248
B6	739064.5011	1900484.0355
B7	739049.1490	1900683.4462
B8	738965.3969	1900676.9991
B9	738841.7626	1900667.4808
B10	738718.1286	1900657.9626
B11	738996.1011	1900278.1778
B12	738872.4668	1900268.6595
B13	738859.1487	1900047.7195
B14	738898.9011	1899914.4233
B15	738928.9036	1899882.5464
B16	738980.7490	1900477.5884
B17	738857.1147	1900468.0702
B18	738733.4815	1900458.5520
B19	738643.7469	1900451.6447
B20	738748.8328	1900259.1413
B21	738659.0983	1900252.2339

STRUCTURE LOCATION		
STRUCTURE	NORTHING	EASTING
C1	739584.0279	1900011.4270
C2	739588.7339	1899953.5774

STRUCTURE LOCATION		
STRUCTURE	NORTHING	EASTING
D1	738523.5743	1900751.2782
D2	738533.2371	1900656.8088

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LICKING HEIGHTS LOCAL SCHOOL DISTRICT
4101 SUMMIT ROAD
PATASKALA, OHIO 43062

Commission	17032
Drawn	Checked
JS	GED
Sheet Title	
GENERAL NOTES	

Revisions:

Card Number	
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C2



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NEW HIGH SCHOOL
FOR
LICKING HEIGHTS LOCAL SCHOOL DISTRICT
4101 SUMMIT ROAD
PATASKALA, OHIO 43062

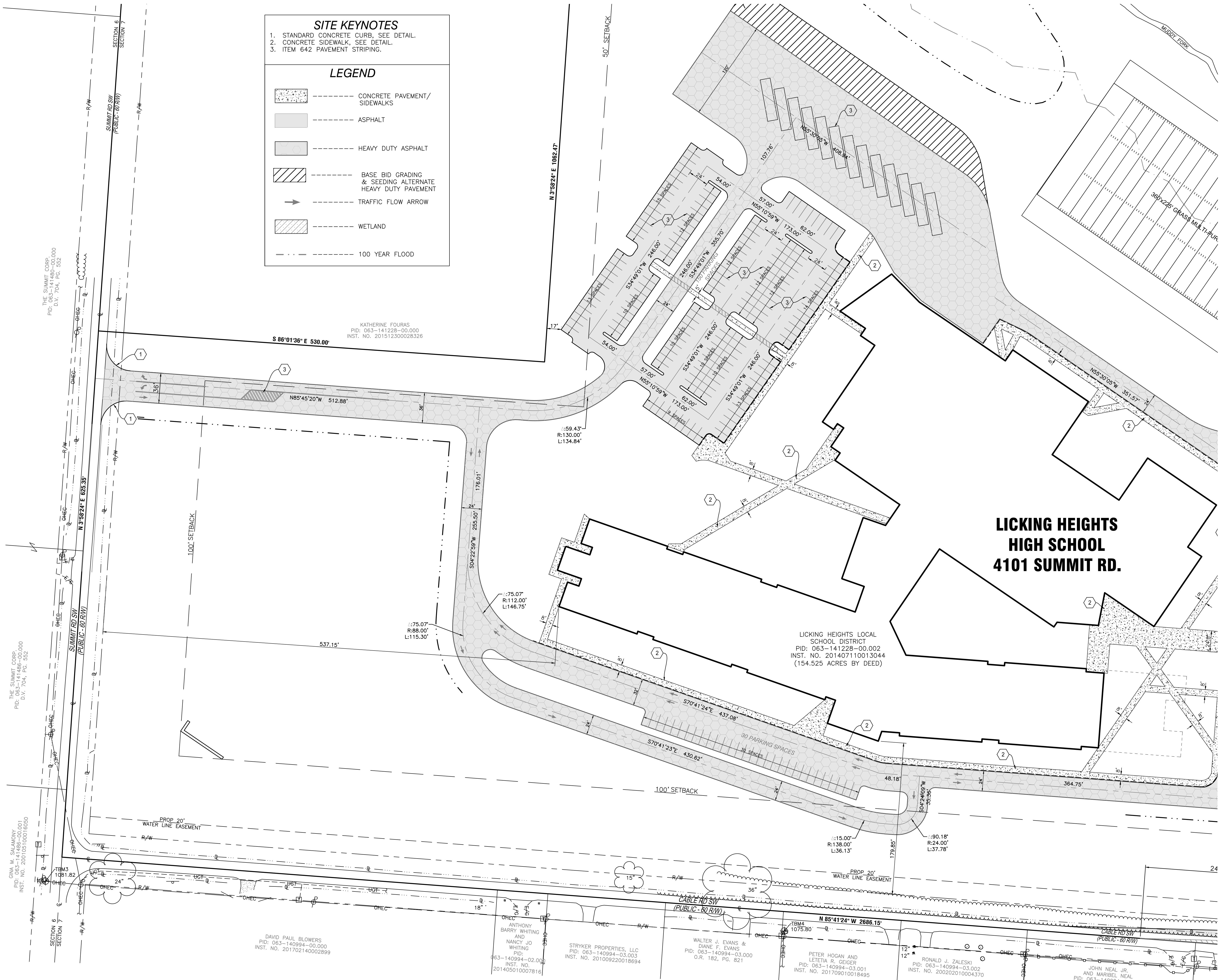
Commission		17032
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Sheet Title		
SITE DIMENSION PLAN		

Revisions: _____

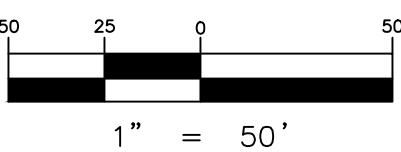
Cad Number
0000-PM 2426 Lacking Heights High School0000-PM 2428 LH High School
Master C.dwg

Date
3/31/18

C3



GRAPHIC SCALE



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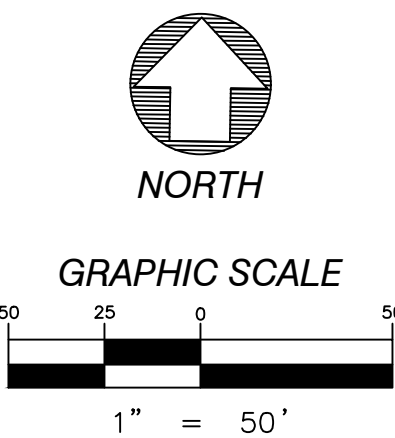
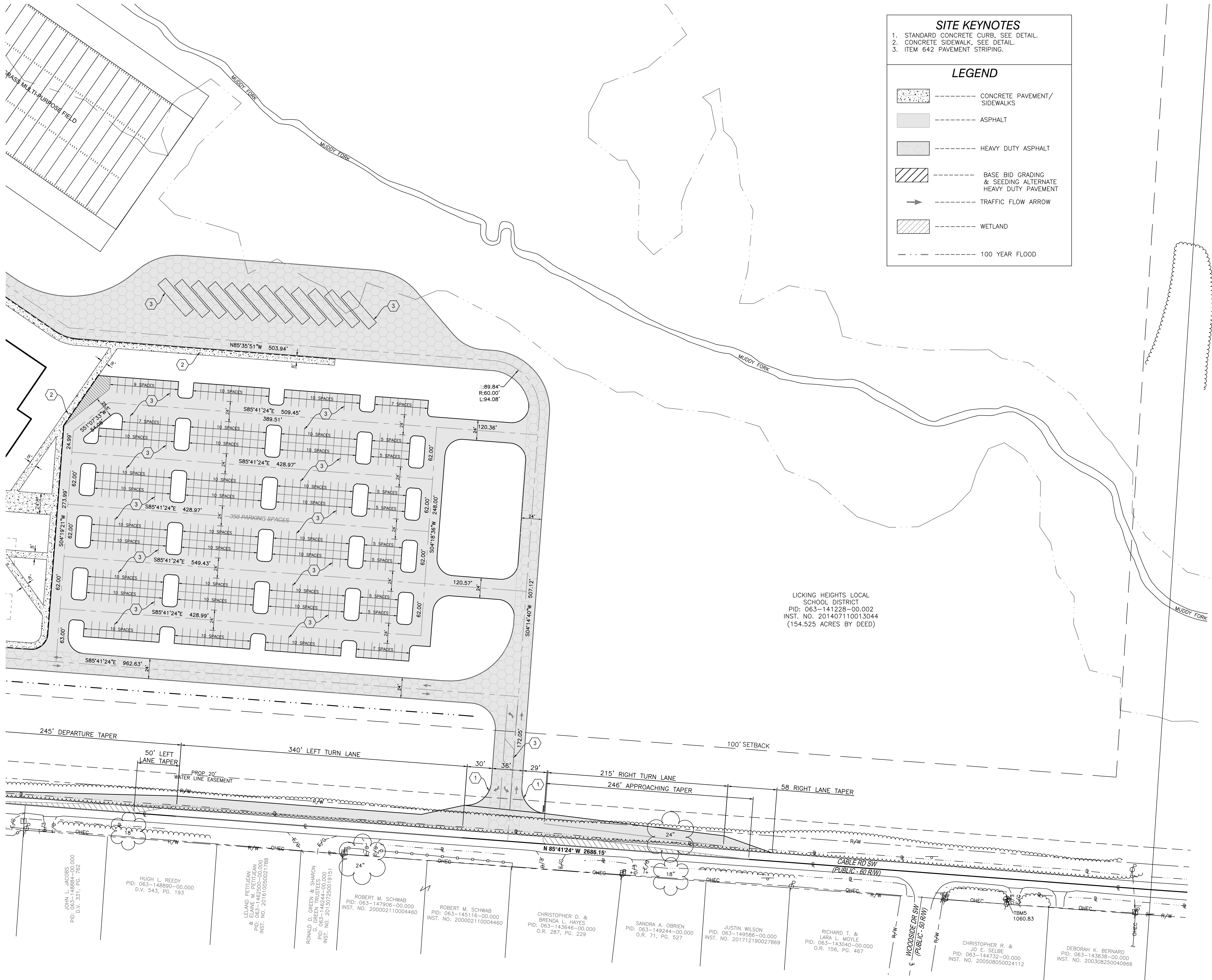
Commission	17032
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JS	GED
Sheet Title	
SITE DIMENSION PLAN	

Revisions: _____

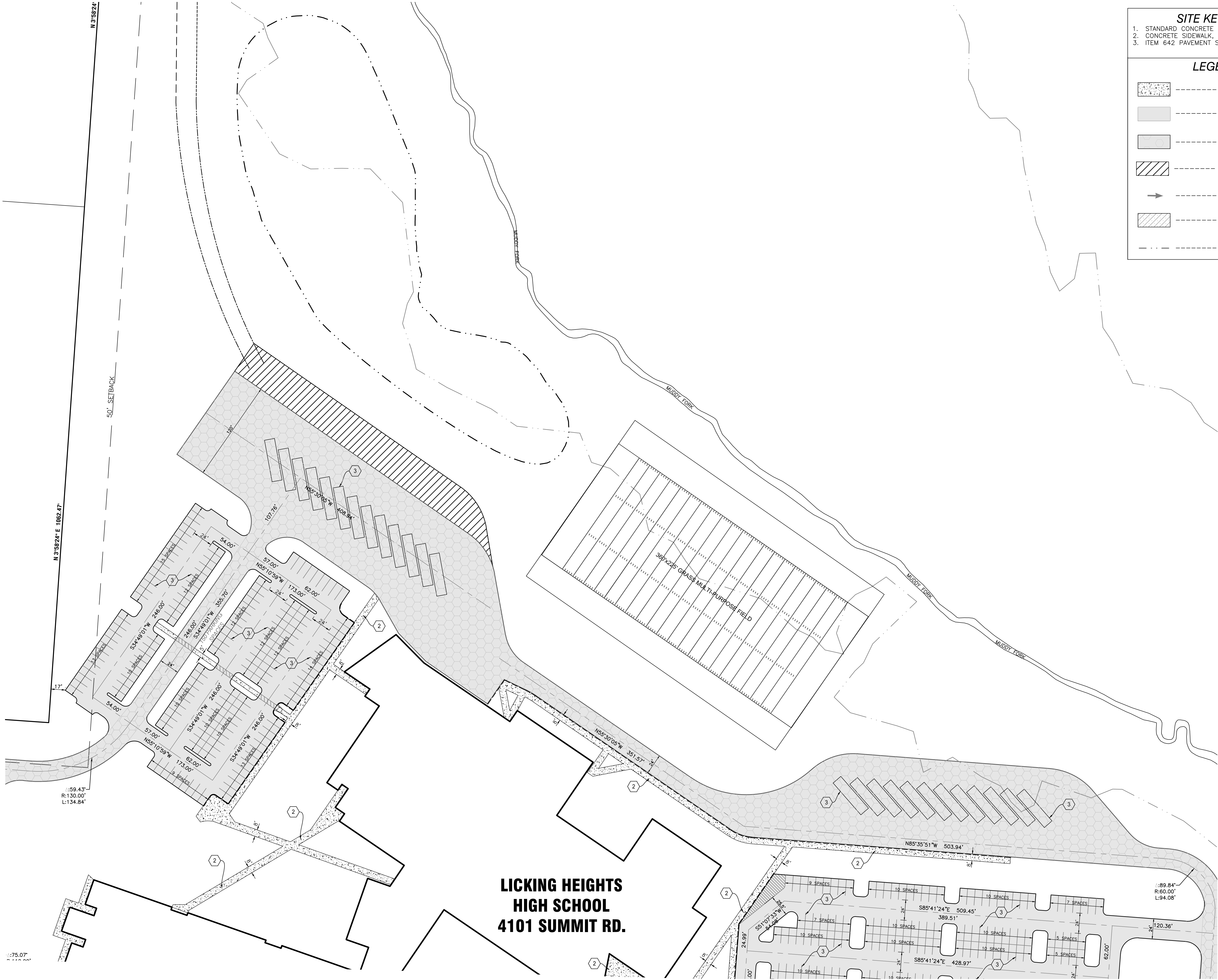
Cad Number
0009-PM 3426 Luning Heights High School/0009-PM 3428 LH High School
Roxie C. Long

Date
3/31/18

C4



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SITE KEYNOTES
1. STANDARD CONCRETE CURB, SEE DETAIL.
2. CONCRETE SIDEWALK, SEE DETAIL.
3. ITEM 642 PAVEMENT STRIPING.

LEGEND

CONCRETE PAVEMENT / SIDEWALKS

ASPHALT

HEAVY DUTY ASPHALT

BASE BID GRADING & SEEDING ALTERNATE HEAVY DUTY PAVEMENT

TRAFFIC FLOW ARROW

WETLAND

100 YEAR FLOOD

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Sheet Title	SITE DIMENSION PLAN

Revisions:

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NORTH

50 25 0 50

GRAPHIC SCALE

1" = 50'

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FOR
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Commission	17032
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Sheet Title	SITE UTILITY PLAN

Revisions:

Card Number	
10/1/17	
Date	8/31/18

UTILITY KEYNOTES

1. CONNECT TO 8" STUB. COORDINATE ACTUAL LOCATION WITH SWLCWSO PRIOR TO CONSTRUCTION.
2. WATER TO BUILDING. SEE PLUMBING PLANS.
3. REMOTE FIRE DEPARTMENT CONNECTION. SEE DETAIL.
4. SANITARY SEWER CONNECTION. SEE PLUMBING PLANS.
5. ROOF DRAIN CONNECTIONS. SEE PLUMBING PLANS.
6. OUTLET CONTROL DEVICE.
7. FIRE HYDRANT TYPE A. SEE STD DWG W-21.
8. METER PIT. SEE STD DWG W-35. CONTRACTOR TO INCLUDE 120V 20AMP OUTLET ADJACENT TO METER PIT. COORDINATE WITH ELECTRICAL PLANS.
9. 6" DOMESTIC WATER SERVICE.
10. 6" FIRE PROTECTION SERVICE.
11. POST INDICATOR VALVE.
12. PROTECT HYDRANT WITH 2 BOLLARDS.
13. PROTECT HYDRANT WITH 4 BOLLARDS.
14. PROPOSED EASEMENT.
15. PVC INLET. ACTUAL LOCATION MAY VARY. SEE DETAIL.

MISC. NOTES

— WATER AND SANITARY SEWERS PER SWLCWSO STANDARD DRAWINGS AND SPECS.

— BACKING FOR BENDS, TEES AND PLUGS REFERENCE STD DWGS. W-3, W-4, W-5.

WEST LICKING FIRE NOTES

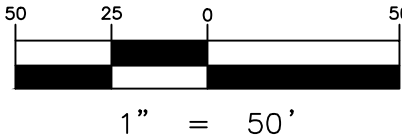
- WLFD FIRE PREVENTION BUREAU (740) 927-3046
- ALL FIRE HYDRANTS TO BE INSTALLED SHALL BE INSPECTED BY THE FIRE CODE OFFICIAL FOR APPROVAL PRIOR TO INSTALLATION IN THE GROUND.
- AS-BUILT PLANS ARE REQUIRED TO BE SUBMITTED TO THE WLFD IN PDF FORMAT UPON COMPLETION OF CONSTRUCTION.
- WLFD OFFICIAL SHALL BE PRESENT TO WITNESS ALL UNDERGROUND FIRE LINE INSPECTIONS.

LEGEND

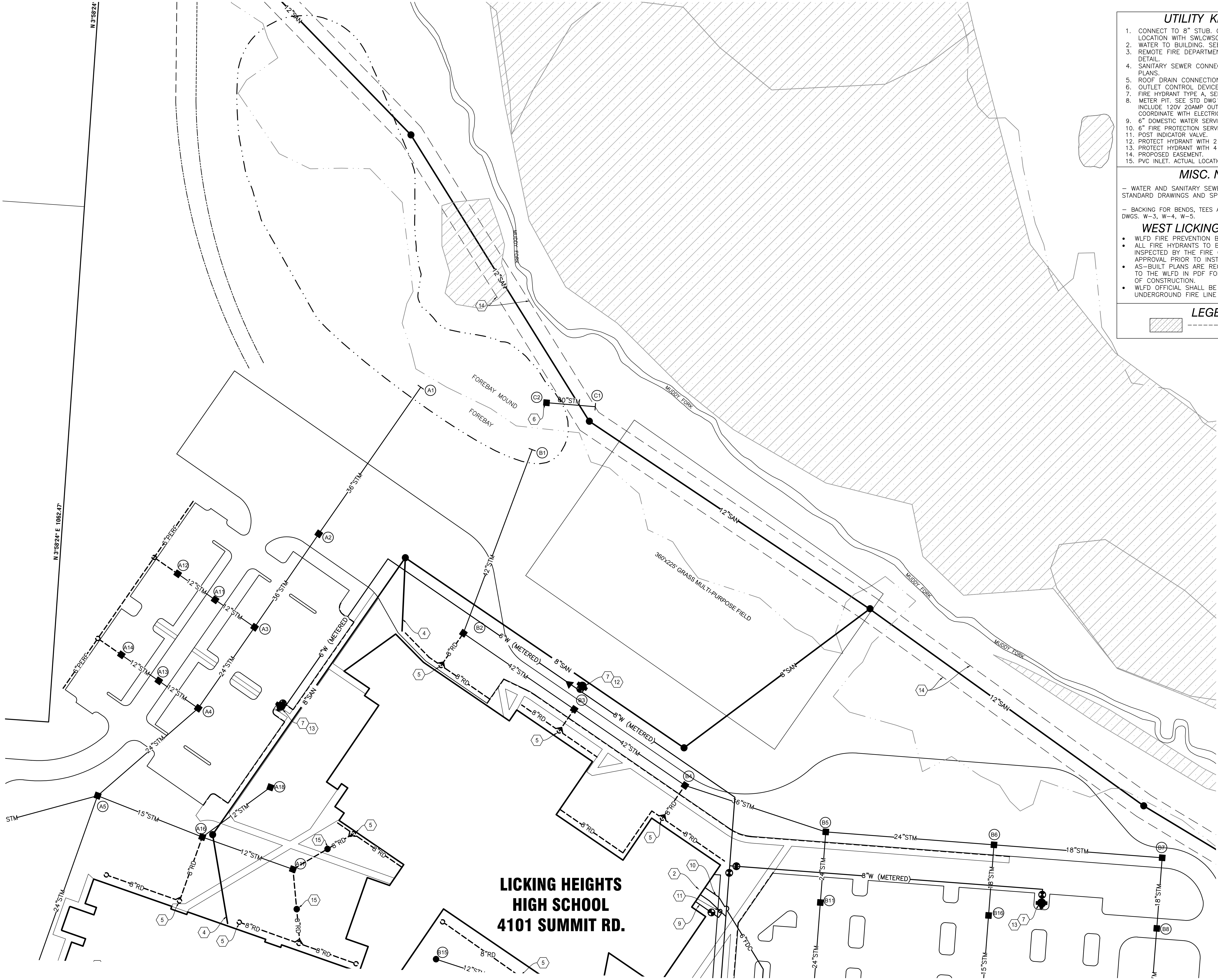
WETLAND



GRAPHIC SCALE



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UTILITY KEYNOTES

1. CONNECT TO 8" STUB. COORDINATE ACTUAL LOCATION WITH SWLWSO PRIOR TO CONSTRUCTION.
2. WATER TO BUILDING. SEE PLUMBING PLANS.
3. REMOTE FIRE DEPARTMENT CONNECTION. SEE DETAIL.
4. SANITARY SEWER CONNECTION. SEE PLUMBING PLANS.
5. ROOF DRAIN CONNECTIONS. SEE PLUMBING PLANS.
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15. PVC INLET. ACTUAL LOCATION MAY VARY. SEE DETAIL.

MISC. NOTES

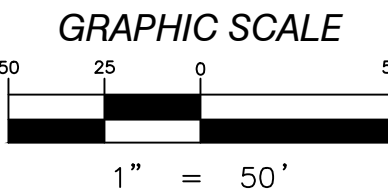
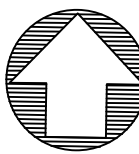
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- WLFD OFFICIAL SHALL BE PRESENT TO WITNESS ALL UNDERGROUND FIRE LINE INSPECTIONS.

LEGEND

- WETLAND



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Commission	17032
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Sheet Title	SITE UTILITY PLAN

Revisions:

Card Number	
Card Title	
Date	8/31/18

C8

NEW HIGH SCHOOL
FOR
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4101 SUMMIT ROAD
PATASKALA, OHIO 43062

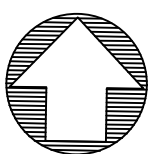
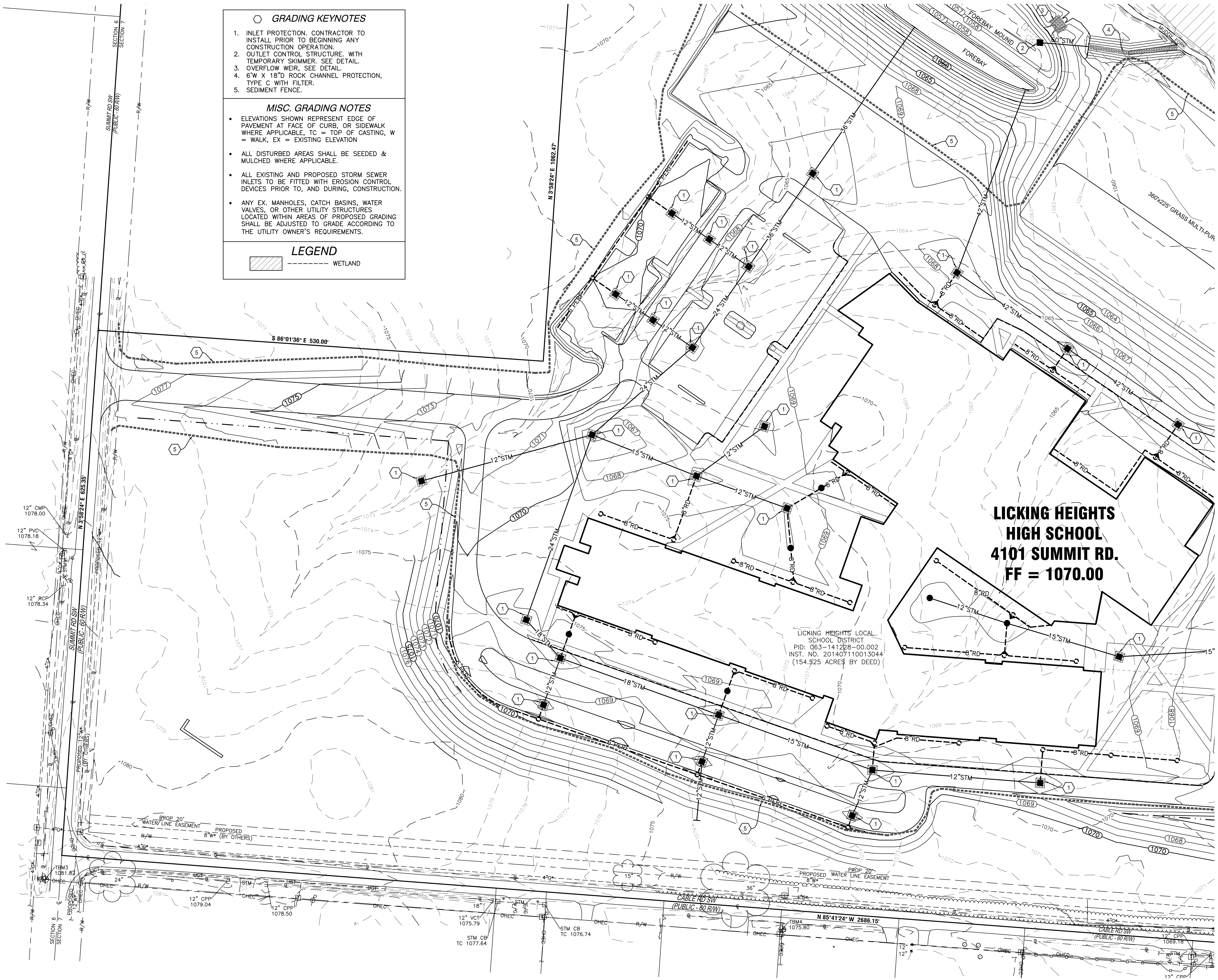
Commission		17032
Drawn	Checked	
JS	GED	
Sheet Title		
SITE GRADING PLAN		

Revisions: _____

Cad Number
000-PM 2426 Laking Heights High School000-PM 2428 LH High School
Master C.dwg

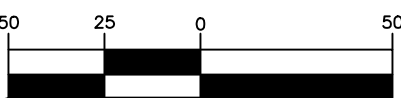
Date
3/31/18

C9



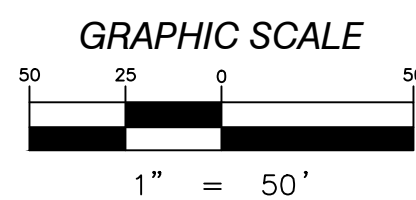
NORTH

GRAPHIC SCALE


$$1'' = 50'$$


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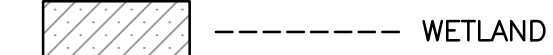
○ GRADING KEYNOTES

1. INLET PROTECTION. CONTRACTOR TO INSTALL PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION.
2. OUTLET CONTROL STRUCTURE. WITH TEMPORARY SKIMMER. SEE DETAIL.
3. OVERFLOW WEIR, SEE DETAIL.
4. 6" X 18"D ROCK CHANNEL PROTECTION, TYPE C WITH FILTER.
5. SEDIMENT FENCE.

MISC. GRADING NOTES

- ELEVATIONS SHOWN REPRESENT EDGE OF PAVEMENT AT FACE OF CURB, OR SIDEWALK WHERE APPLICABLE. TC = TOP OF CASTING, W = WALK, EX = EXISTING ELEVATION
- ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED WHERE APPLICABLE.
- ALL EXISTING AND PROPOSED STORM SEWER INLETS TO BE FITTED WITH EROSION CONTROL DEVICES PRIOR TO, AND DURING, CONSTRUCTION.
- ANY EX. MANHOLES, CATCH BASINS, WATER VALVES, OR OTHER UTILITY STRUCTURES LOCATED WITHIN AREAS OF PROPOSED GRADING SHALL BE ADJUSTED TO GRADE ACCORDING TO THE UTILITY OWNER'S REQUIREMENTS.

LEGEND



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Sheet Title	SITE GRADING PLAN

Revisions:

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Date:
8/31/18



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HIGH SCHOOL
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FF = 1070.00**

GRADING KEYNOTES

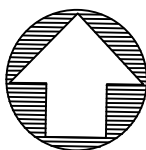
1. INLET PROTECTION. CONTRACTOR TO INSTALL PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION.
2. OUTLET CONTROL STRUCTURE. WITH TEMPORARY SKIMMER. SEE DETAIL.
3. OVERFLOW WEIR. SEE DETAIL.
4. 6'W X 18"D ROCK CHANNEL PROTECTION, TYPE C WITH FILTER.
5. SEDIMENT FENCE.

MISC. GRADING NOTES

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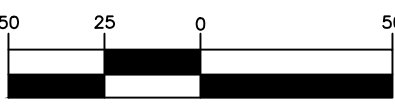
LEGEND

----- WETLAND



NORTH

GRAPHIC SCALE



1" = 50'



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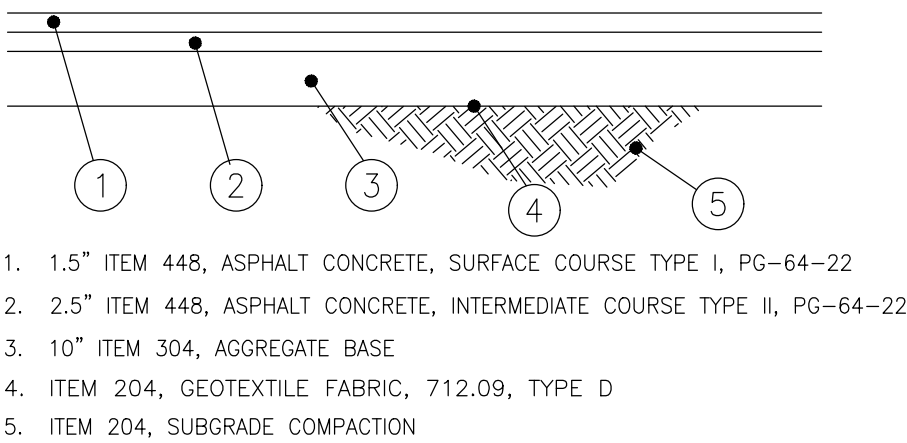
Commission	17032
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JS	GED
Sheet Title	
SITE GRADING PLAN	

Revisions:

Cost Number	
Licking Heights High School Grading Plan	
Date	8/31/18

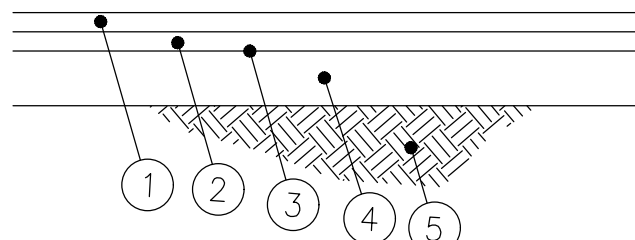
C11

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PATASKALA, OHIO 43062



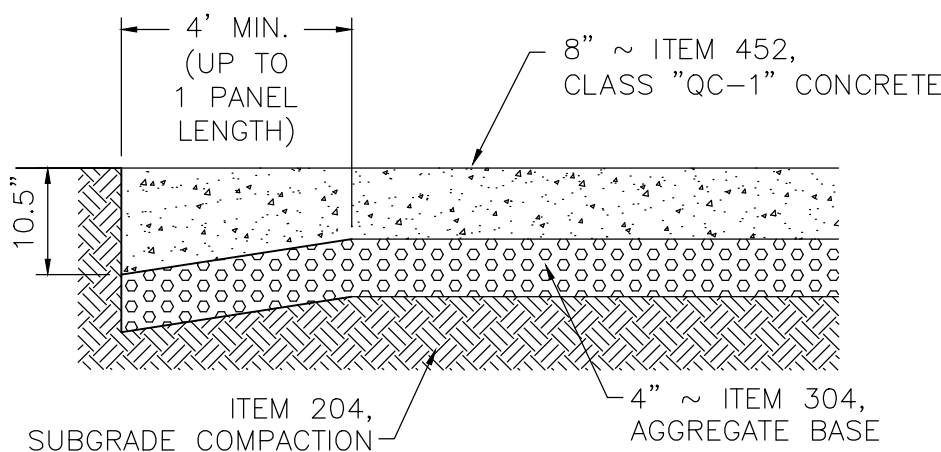
NOTE: EXTEND BASE 6" PAST EDGE OF PAVEMENT

HEAVY DUTY PAVEMENT
NOT TO SCALE



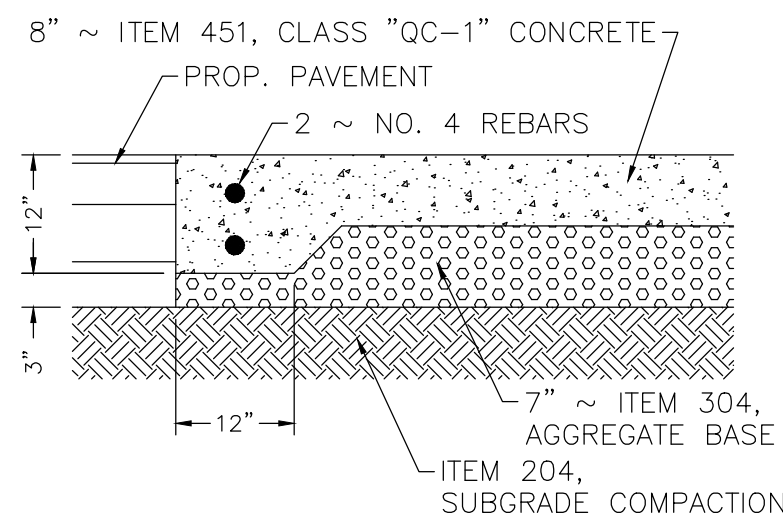
NOTE: EXTEND BASE 6" PAST EDGE OF PAVEMENT

STD. DUTY PAVEMENT
NOT TO SCALE

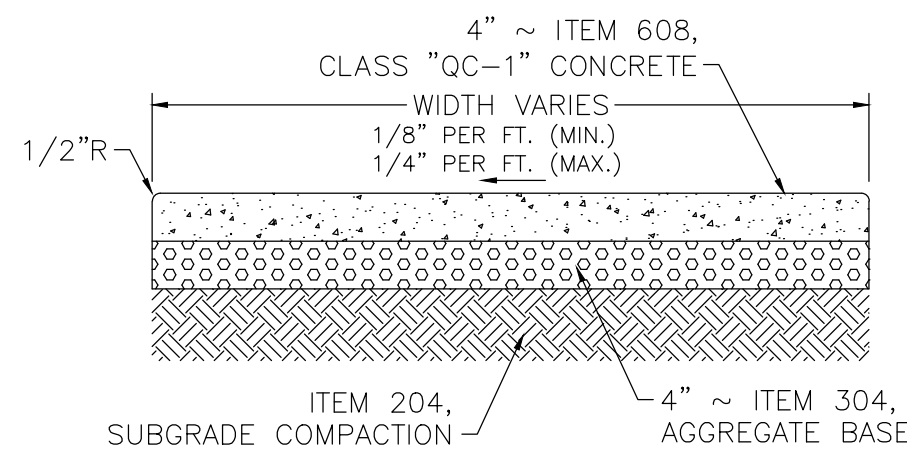


- CONCRETE SHALL BE MINIMUM 4000 PSI, AIR-ENTRAINED & INCLUDE SILICIA FUME MEETING ITEM 701.10
- EXPANSION JOINTS FOR CONCRETE PAVING SHALL BE SEALED PER ODOT CMS ITEM 451.16.
- CONSTRUCTION JOINTS FOR CONCRETE PAVEMENTS SHALL BE DOWELED KEYED OR DOWELED BUTT JOINTS PER ACI-224.3R-95 SECTION 6.1 FIGURES C & E & PER ODOT CMS 451.09.E.
- CONTRACTION JOINTS FOR CONCRETE PAVING UP TO 1/8-INCH IN WIDTH DO NOT REQUIRE SEALING. CONTRACTION JOINTS OVER 1/8-INCH IN WIDTH SHALL BE SEALED PER ACI 504R.

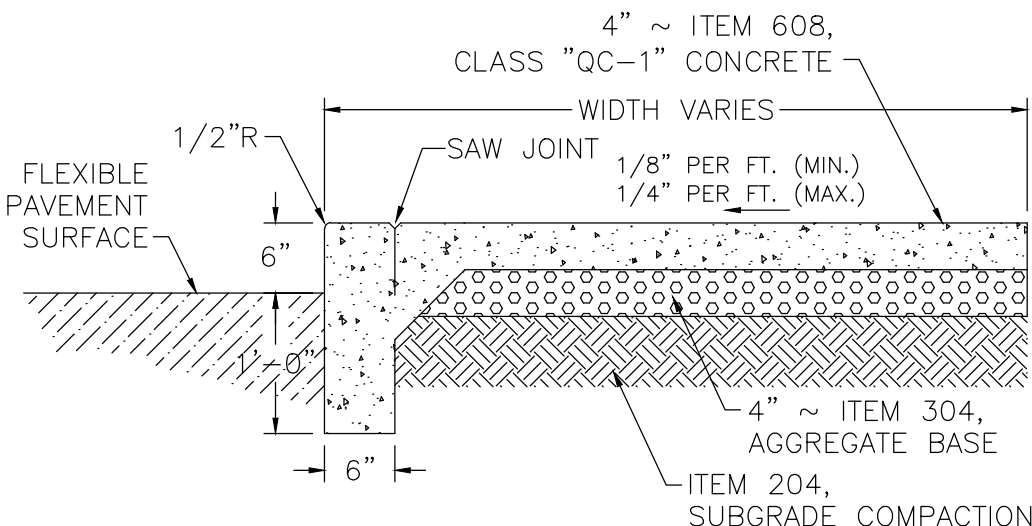
CONCRETE PAVEMENT
NOT TO SCALE



DUMPSTER PAD
NOT TO SCALE

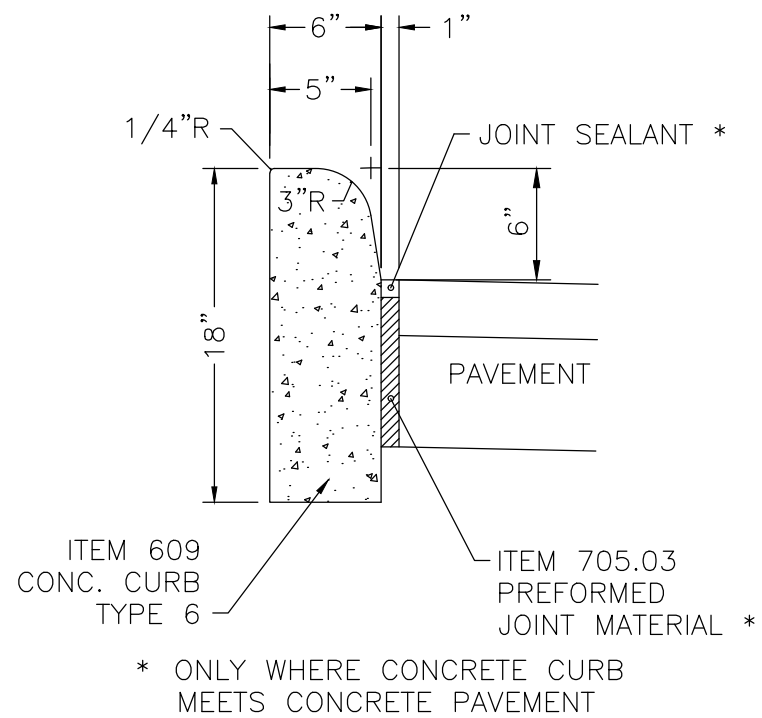


CONCRETE SIDEWALK
NOT TO SCALE



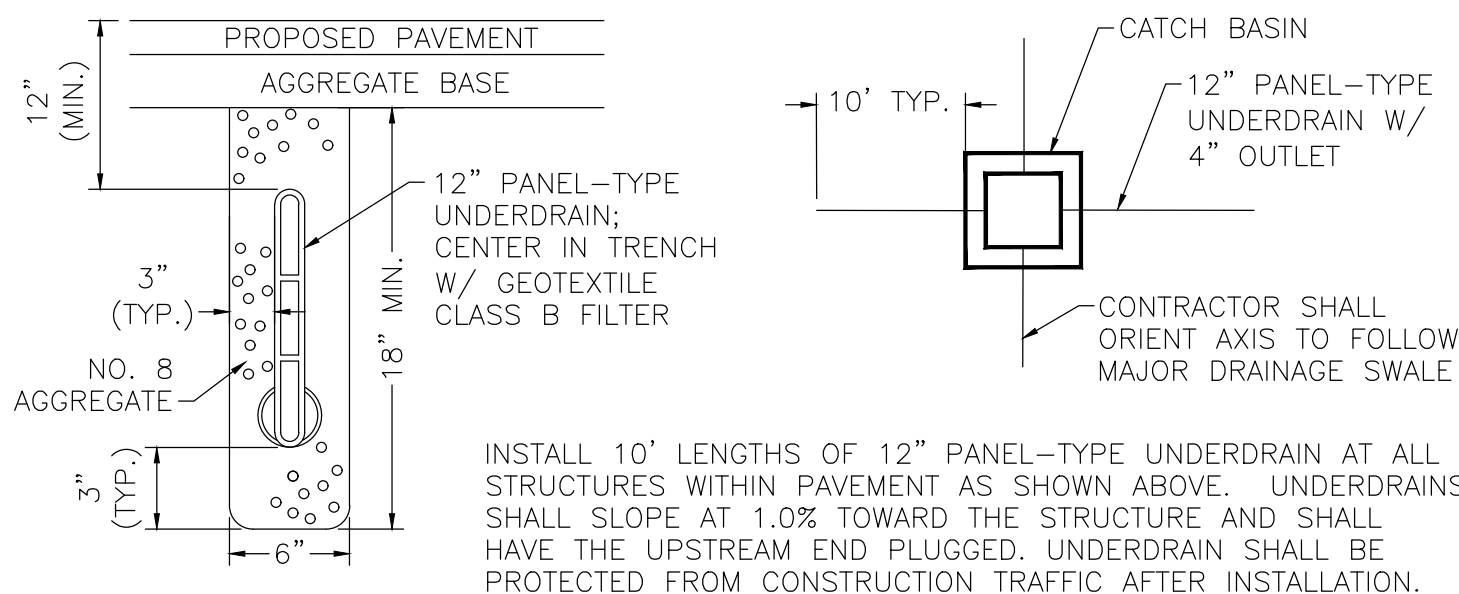
IF CURB AND SIDEWALK ARE POURED SEPARATELY, CONTRACTOR SHALL DOWEL SIDEWALK TO CURB AT 24" O.C. (MIN.)

INTEGRAL CURB & SIDEWALK
NOT TO SCALE



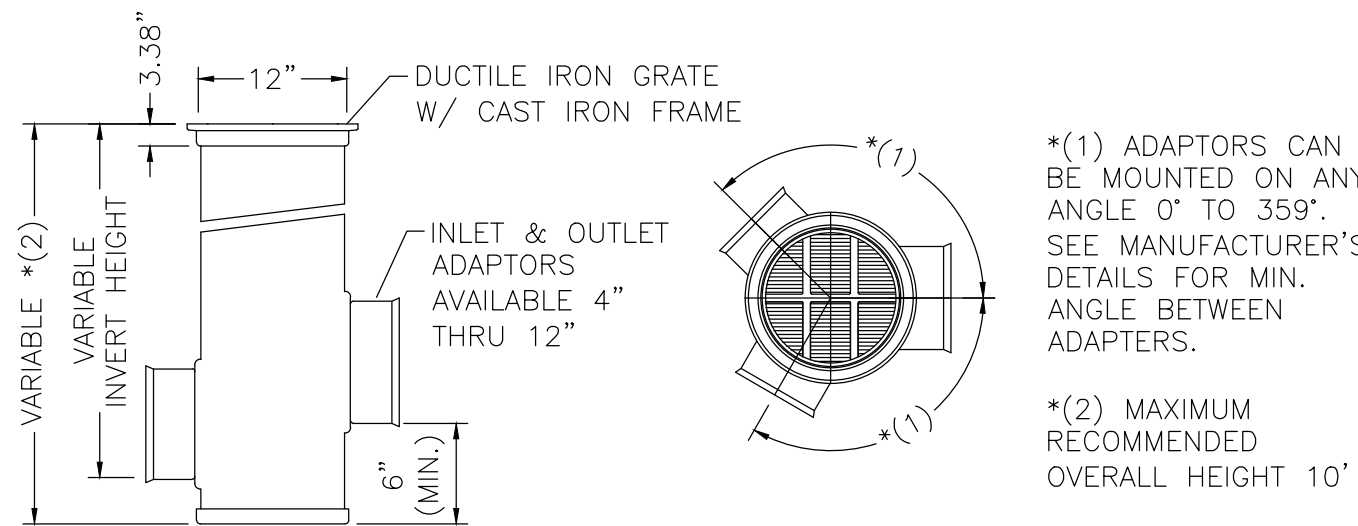
* ONLY WHERE CONCRETE CURB MEETS CONCRETE PAVEMENT

STD. CONCRETE CURB
NOT TO SCALE



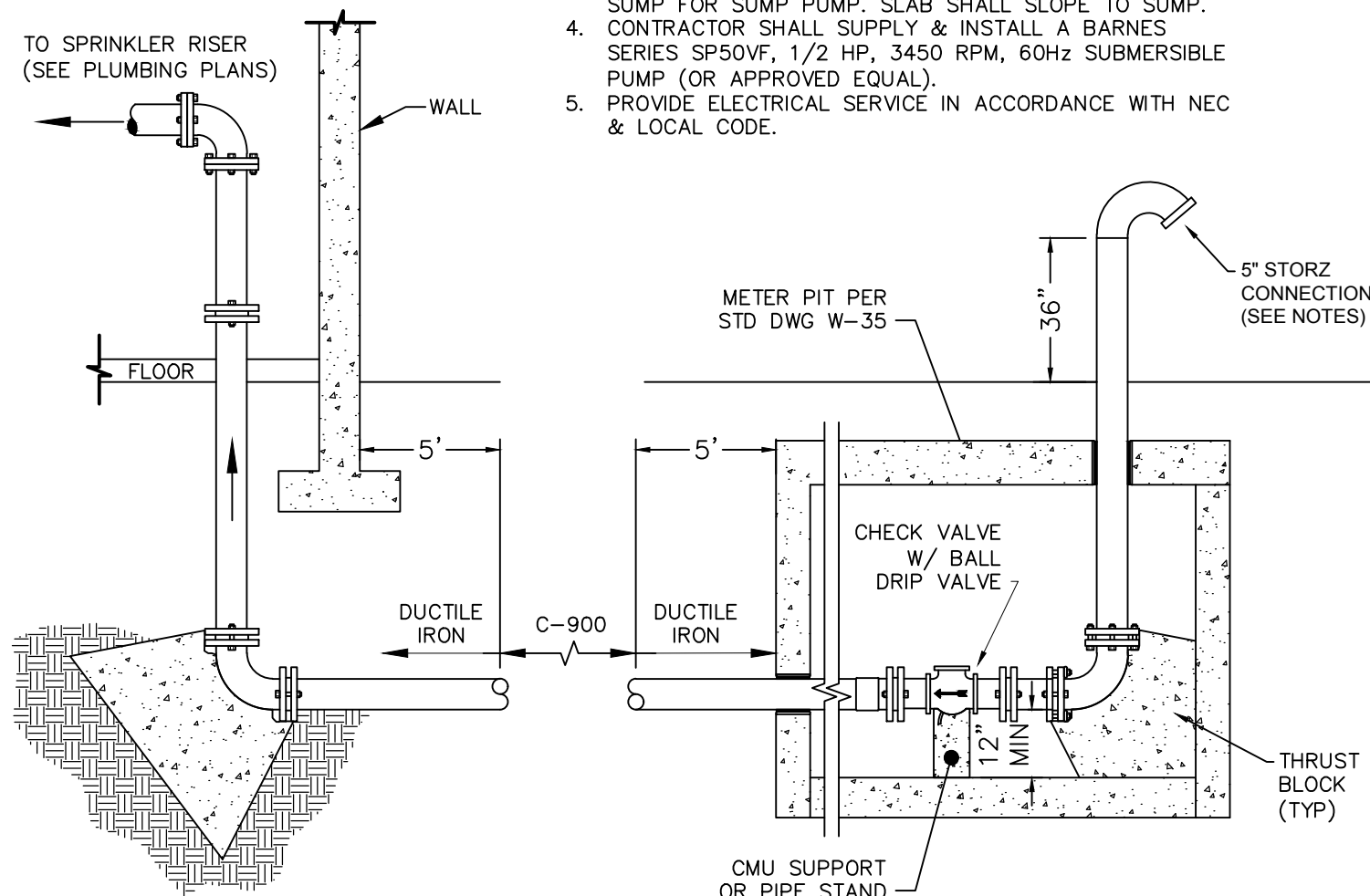
INSTALL 10' LENGTHS OF 12" PANEL-TYPE UNDERDRAIN AT ALL STRUCTURES WITHIN PAVEMENT AS SHOWN ABOVE. UNDERDRAINS SHALL SLOPE AT 1.0% TOWARD THE STRUCTURE AND SHALL HAVE THE UPSTREAM END PLUGGED. UNDERDRAIN SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC AFTER INSTALLATION.

CATCH BASIN FINGER DRAINS
NOT TO SCALE

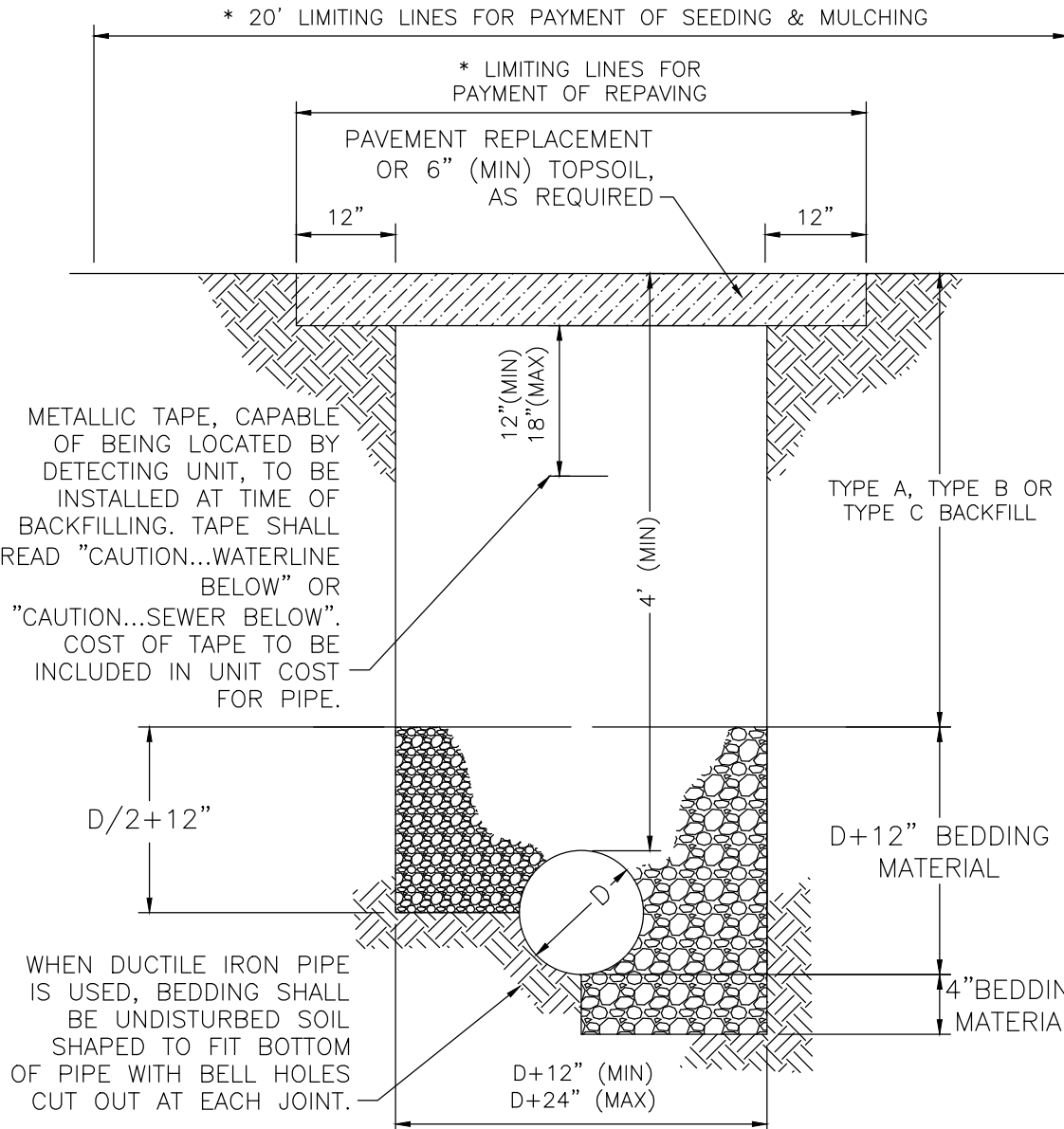


12" PVC DRAIN BASIN
NOT TO SCALE

- NOTES:
- SILICONE CAULK PERIMETER WHERE SLAB MEETS WALL & CONCRETE THRUST BLOCK/PIPE SUPPORT.
 - SLAB DOES NOT NEED TO EXTEND FULLY UNDER THRUST BLOCK OR PIPE SUPPORT BLOCK AS LONG AS JOINTS ARE SEALED TO PROVIDE WATERTIGHT BOTTOM.
 - SLAB SHALL INCLUDE A FORMED 12" MIN. DIA., 3" DEEP SUMP FOR SUMP PUMP. SLAB SHALL SLOPE TO SUMP.
 - CONTRACTOR SHALL SUPPLY & INSTALL A BARNES SERIES SP50VF, 1/2 HP, 3450 RPM, 60Hz SUBMERSIBLE PUMP (OR APPROVED EQUAL).
 - PROVIDE ELECTRICAL SERVICE IN ACCORDANCE WITH NEC & LOCAL CODE.

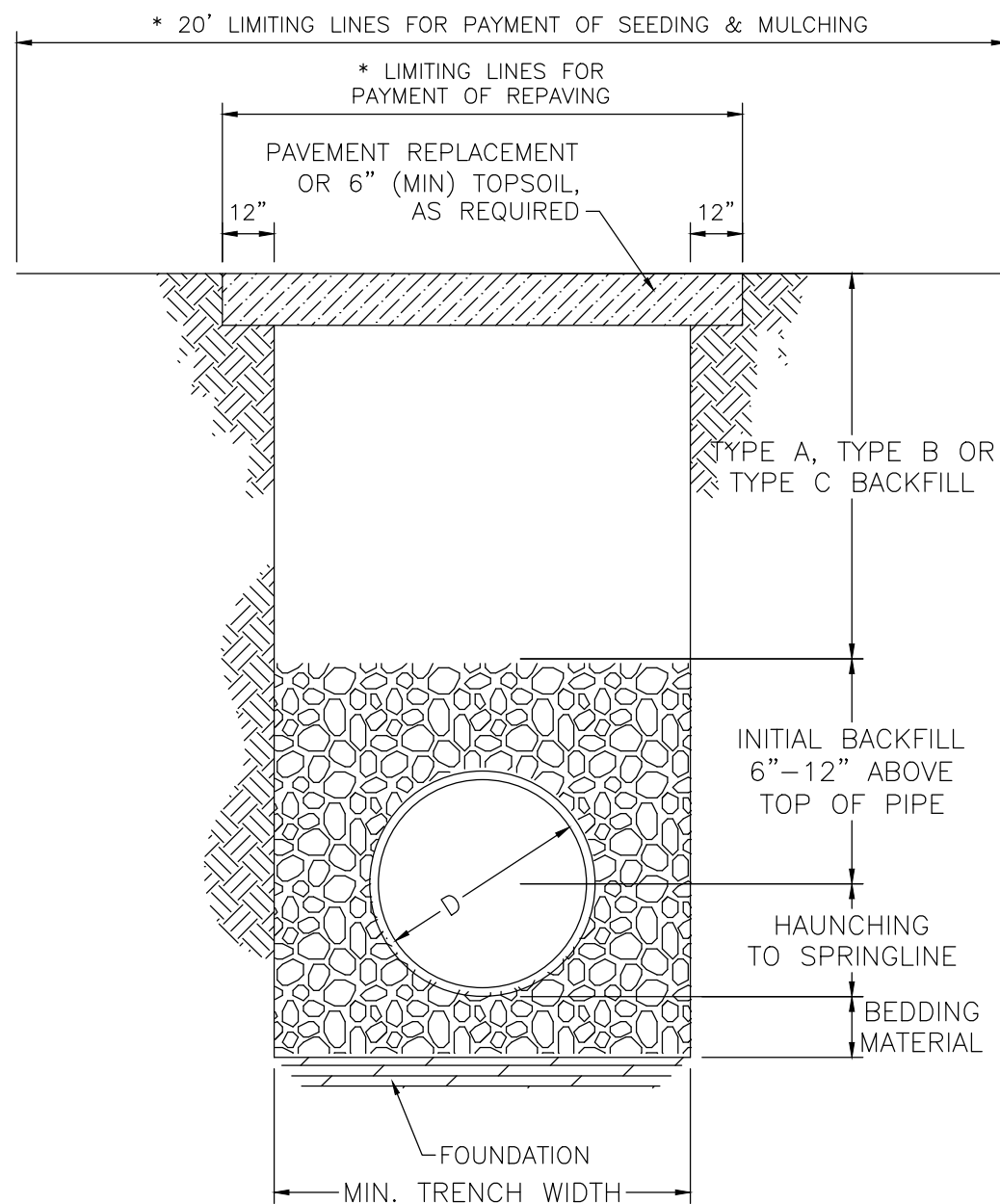


FIRE DEPARTMENT CONNECTION
NOT TO SCALE



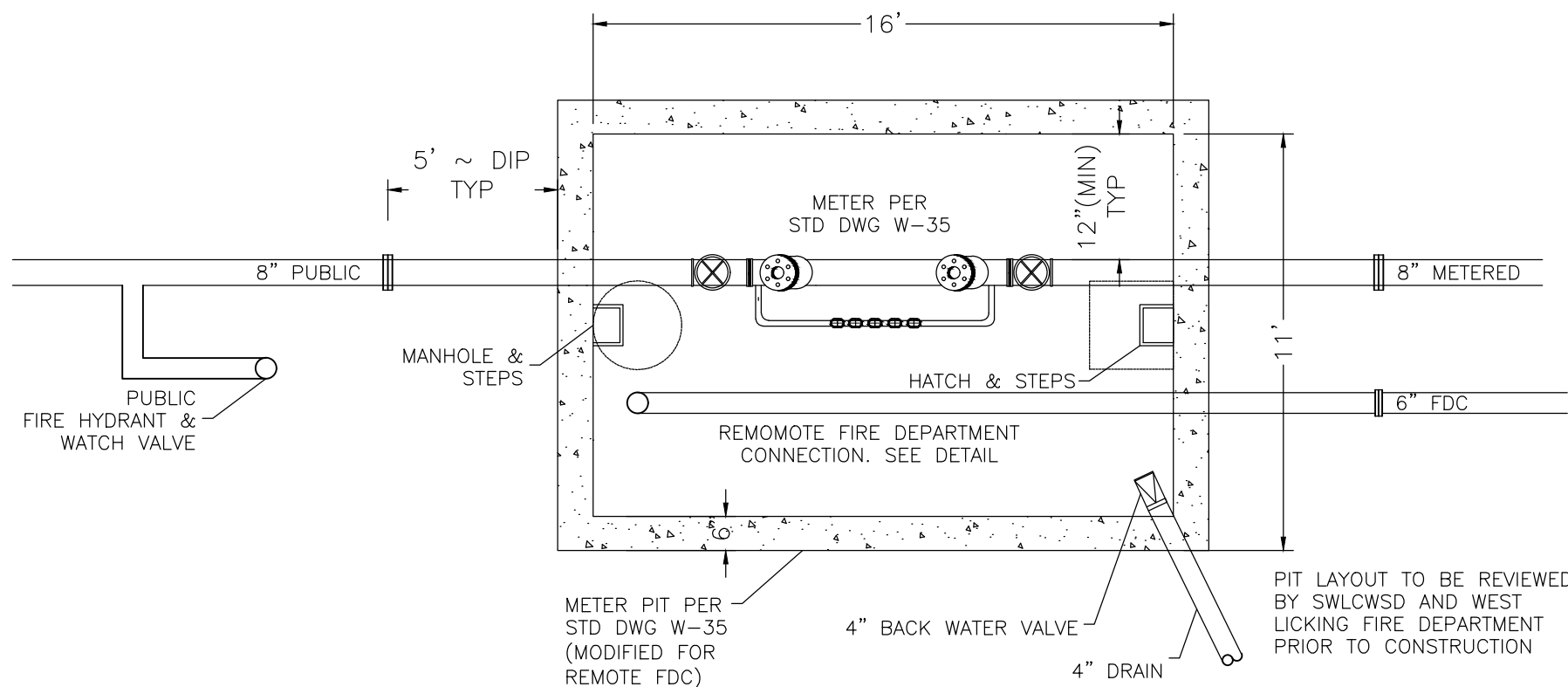
* LIMITING LINES FOR PAYMENT APPLY ONLY WHEN CONTRACT PROVIDES FOR UNIT PRICE PAYMENT OF PAVEMENT REPLACEMENT AND SEEDING & MULCHING.

TYPICAL TRENCH FOR WATER MAINS
NOT TO SCALE



* LIMITING LINES FOR PAYMENT APPLY ONLY WHEN CONTRACT PROVIDES FOR UNIT PRICE PAYMENT OF PAVEMENT REPLACEMENT AND SEEDING & MULCHING.

TYPICAL TRENCH FOR CORRUGATED PE PIPE
NOT TO SCALE



MODIFIED METER PIT STD DWG W-35
NOT TO SCALE

- NOTES:
- ITEM NUMBERS REFER TO STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS.
 - TYPE A BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL AS SPECIFIED IN ITEM 304. GRADE A, TYPE A BACKFILL SHALL BE USED WHEN THE TRENCH IS 5' OR LESS FROM ANY PAVED OR GRAVEL SURFACE, OR BENEATH THE PAVEMENT OR GRAVEL. COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 203.
 - TYPE B BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 2" ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH, OR FROZEN MATERIAL, COMPACTED TO 95% OF ITS MAXIMUM LABORATORY DRY WEIGHT.
 - TYPE C BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 6" ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH, OR FROZEN MATERIAL, COMPACTED TO 90% OF ITS MAXIMUM LABORATORY DRY WEIGHT. WHEN APPROVED BY THE ENGINEER, STONES NO LARGER THAN ONE CUBIC FOOT MAY BE DEPOSITED AT LEAST 3' ABOVE THE TOP OF THE PIPE.

- NOTES:
- FOUNDATION: WHERE TRENCH BOTTOM IS UNSTABLE, CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER & REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWER & OTHER GRAVITY-FLOW APPLICATIONS", LATEST EDITION, AS AN ALTERNATIVE & AT THE DISCRETION OF THE ENGINEER, TRENCH BOTTOM MAY BE STABILIZED USING WOVEN GEOTEXTILE FABRIC.
 - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, & INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - HAUNCHING & INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, & INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MIN. RECOMMENDED TRENCH WIDTHS SHALL BE AS FOLLOWS:

NOMINAL Ø	MIN. WIDTH
4"	23"
6"	23"
8"	25"
10"	28"
12"	31"
15"	34"
18"	39"
24"	48"
30"	66"
36"	78"
42"	83"
48"	89"
60"	102"

THE EXCAVATED TRENCH WIDTH TWELVE INCHES (12") ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION.

5. MINIMUM COVER: MIN. RECOMMENDED DEPTHS OF COVER FOR VARIOUS LIVE LOADING CONDITIONS ARE AS FOLLOWS. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE FROM TOP OF PIPE TO GROUND SURFACE.

SURFACE LIVE LOADING CONDITION	MIN. COVER
H25 (FLEXIBLE PAVEMENT)	12" **
H25 (RIGID PAVEMENT)	12"
E80 RAILWAY	24"
HEAVY CONSTRUCTION	48"

** TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT SECTION.

6. TYPE A BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL AS SPECIFIED IN ITEM 304. GRADE A, TYPE A BACKFILL SHALL BE USED WHEN THE TRENCH IS 5' OR LESS FROM ANY PAVED OR GRAVEL SURFACE, OR BENEATH THE PAVEMENT OR GRAVEL. COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 203.

7. TYPE B BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 2" ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH, OR FROZEN MATERIAL, COMPACTED TO 95% OF ITS MAXIMUM LABORATORY DRY WEIGHT.

8. TYPE C BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 6" ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH, OR FROZEN MATERIAL, COMPACTED TO 90% OF ITS MAXIMUM LABORATORY DRY WEIGHT. WHEN APPROVED BY THE ENGINEER, STONES NO LARGER THAN ONE CUBIC FOOT MAY BE DEPOSITED AT LEAST 3' ABOVE THE TOP OF THE PIPE.

Commission	17032
Drawn	Checked
JS	GED
Sheet Title	DETAILS

Revisions:

Card Number	
Date	8/31/18

THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) FOR THIS PROJECT IS COMPOSED OF THESE DRAWINGS (SHEETS .. THROUGH ..), THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT, INCLUDING ALL REQUIREMENTS THEREIN, THE PROJECT DRAWINGS, AND ALL SUPPLEMENTAL INFORMATION INCLUDED/ADDED BY THE CONTRACTOR(S) AS APPROVED/ACCEPTED BY THE ENGINEER. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.

ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES NOT ALREADY SPECIFIED ON THIS PLAN MAY BE NECESSARY DUE TO UNFORESEEN ENVIRONMENTAL CONDITIONS AND/OR CHANGES IN DRAINAGE PATTERNS CAUSED BY EARTH-DISTURBING ACTIVITY.

FACILITY:
NEW LICKING HEIGHTS HIGH SCHOOL

OWNER/OPERATOR:
LICKING HEIGHTS LOCAL SCHOOLS

- .. SITE DESCRIPTION:
- A. PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW HIGH SCHOOL AND ASSOCIATED SITE IMPROVEMENTS.
- B. TOTAL AREA OF SITE -- .. ACRES
TOTAL AREA DISTURBED -- ... ACRES
- PRE-CONSTRUCTION RUNOFF COEFFICIENT -- ..
POST-CONSTRUCTION RUNOFF COEFFICIENT -- ..
- C. IMPERVIOUS AREA CREATED BY CONSTRUCTION ACTIVITY -- .. ACRES
PERCENT OF IMPERVIOUSNESS -- 18.8%
- D. EXISTING SOIL DATA IS AVAILABLE FROM USDA/NCRS WEB SOIL SURVEY.
STORM WATER DISCHARGE QUALITY INFORMATION NOT AVAILABLE.
- E. PRIOR LAND USE AT THE SITE -- UNDEVELOPED.
- F. SEE TIMING OF SEDIMENT-TRAPPING PRACTICES, INSPECTION SCHEDULE & OTHER EROSION CONTROL NOTES FOR IMPLEMENTATION SEQUENCING.
- G. SITE STORM WATER IS TRIBUTARY TO MUDDY FORK.

- CONTRACTOR/CONSTRUCTION MANAGER RESPONSIBILITY:
- A. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY AND IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT.
- B. THE SWP3, INCLUDING COPIES OF THE NOI, THE LETTER GRANTING PERMIT COVERAGE AND THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT SHALL BE MAINTAINED ON-SITE FOR THE DURATION OF THE PROJECT. THE SWP3 MUST BE SIGNED BY THE PERMITEE OR A DULY AUTHORIZED REPRESENTATIVE, AS DEFINED IN THE GENERAL PERMIT (PART V.G).

CERTIFICATION:
I HEREBY CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

PERMITEE _____ DATE _____

TIMING OF SEDIMENT-TRAPPING PRACTICES: SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT ANY SITE DEMOLITION &/OR EARTH-DISTURBING ACTIVITY.

PERIMETER CONTROLS & OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED WITHIN 7 DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.

FOR DISTURBED AREAS THAT WILL LIE DORMANT FOR 1 YEAR OR MORE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS OF MOST RECENT DISTURBANCE.

FOR DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE & AT FINAL GRADE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS OF REACHING FINAL GRADE.

FOR ANY OTHER DISTURBED AREAS AT FINAL GRADE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS OF REACHING FINAL GRADE WITHIN THAT AREA.

FOR DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE & NOT AT FINAL GRADE, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.

FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN 1 YEAR, & NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA. FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST 7 DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).

FOR DISTURBED AREAS THAT WILL BE LEFT IDLE OVER WINTER, TEMPORARY EROSION CONTROLS SHALL BE APPLIED PRIOR TO ONSET OF WINTER WEATHER.

SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED FOR OVER 14 DAYS.

SEDIMENT BARRIERS: SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTLING FACILITY.

SEDIMENT BARRIERS SUCH AS SEDIMENT FENCE OR DIVERSIONS TO SETTLING FACILITIES SHALL PROTECT ADJACENT PROPERTIES & WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.

TEMPORARY EROSION CONTROL FEATURES SHALL BE ACCEPTABLY MAINTAINED & SHALL BE REMOVED OR REPLACED WHEN DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.

ALL CONCENTRATED WATER SOURCES SHALL DISCHARGE INTO A VIABLE SEDIMENT BASIN.

SEDIMENT BASINS SHALL BE CLEANED OUT ANY TIME ACCUMULATED STORAGE REACHES THE SEDIMENT VOLUME ELEVATION AS INDICTED IN THE SEDIMENT BASIN CHART.

ALL WATER SOURCES SHALL DISCHARGE IN A NON-EROSIVE MANNER.

ALL SOIL STOCKPILES SHALL BE PROTECTED FROM EROSION BY PERIMETER CONTROL DEVICES SUCH AS STRAW BALE DIKES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE ENGINEER, PROVIDES ADEQUATE COVER & IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY & TO SURVIVE ADVERSE WEATHER CONDITIONS.

INSPECTION SCHEDULE:
1. DIVERSION SWALE & STRUCTURAL PROTECTION -- INSPECT EVERY 15 DAYS OR AFTER EACH RAINSTORM PRODUCING RUNOFF. REPAIR AS REQUIRED.

2. INLET PROTECTION -- INSPECT FOR SEDIMENT ACCUMULATION AFTER EACH RAINFALL & DAILY DURING CONTINUED RAINFALL. REPAIR OR REPLACE WHEN WATER FLOW IS RESTRICTED BY SEDIMENT.
3. VEGETATIVE PLANTING -- INSPECT AFTER SPROUTING OCCURS & REPLANT BARE AREAS. INSPECT ESTABLISHED COVER EVERY 15 DAYS FOR DAMAGE. REPLANT AS REQUIRED. MAINTAIN ESTABLISHED COVER AT MAXIMUM 6" HEIGHT. IRRIGATE AS REQUIRED DURING DRY PERIODS TO MAINTAIN LIVE VEGETATION.

NON-SEDIMENT POLLUTANT CONTROLS: HAZARDOUS/TOXIC WASTES SHALL NOT BE DISPOSED OF ON-SITE OR DUMPED INTO SEWERS, DRAINS OR CATCH BASINS. ANY HAZARDOUS/TOXIC WASTE SHALL BE DISPOSED OF OFF-SITE AT AN APPROVED LOCATION &/OR TAKEN TO AN APPROVED RECYCLING CENTER.

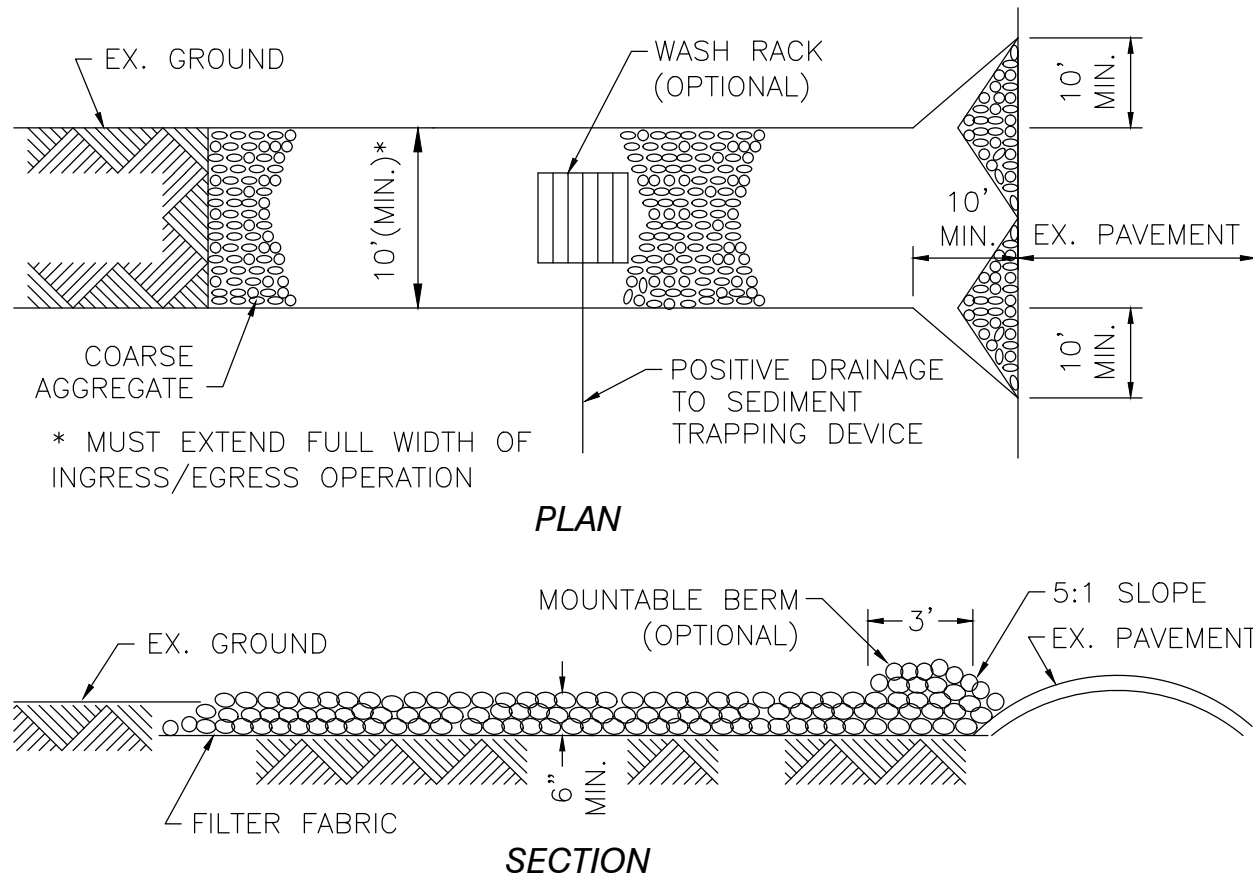
CONSTRUCTION SEQUENCE:

1. THE CONTRACTOR SHALL ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE.
2. THE CONTRACTOR SHALL PLACE THE REQUIRED SEDIMENT FENCE & OTHER CONTROLS PRIOR TO DENUDING.
3. THE CONTRACTOR SHALL EXCAVATE THE DETENTION BASIN WHICH WILL SERVE AS THE TEMPORARY SEDIMENT BASIN THROUGHOUT THE DURATION OF CONSTRUCTION. THE BASIN STORMWATER OUTLET STRUCTURE(S), PIPING & THE DEWATERING SKIMMER SHALL BE INSTALLED & MAINTAINED AS NECESSARY.
4. THE CONTRACTOR SHALL PERFORM SITE EARTHWORK OPERATIONS IN ACCORDANCE WITH THE PLAN DETAILS & NOTES. THE CONTRACTOR SHALL APPLY WATER OR DUST PALLIATIVE ON DISTURBED AREAS DURING CONSTRUCTION TO ALLEVIATE OR PREVENT DUST NUISANCE PER ITEM 616. DUST PALLIATIVE SHALL CONSIST OF CALCIUM CHLORIDE MEETING THE REQUIREMENTS OF SECTION 712.02. THE WATER OR CALCIUM CHLORIDE SHALL BE SPREAD UNIFORMLY OVER THE SURFACE OF THE DISTURBED AREAS.
5. EXPOSED SLOPES SHALL BE STABILIZED AS SOON AS THEY ARE CONSTRUCTED.
6. THE CONTRACTOR SHALL PLACE SEEDING & MULCHING AS NECESSARY TO STABILIZE ALL DENUDED AREAS. ALL DENUDED AREAS SHALL HAVE SOIL STABILIZATION, EITHER TEMPORARY OR PERMANENT, ACCORDING TO THE GENERAL PERMIT & THE NOTES ON THIS SHEET.
7. THE CONTRACTOR SHALL REMOVE & DISPOSE OF THE EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE ESTABLISHED VEGETATIVE COVER.
8. AFTER REMOVAL OF EROSION CONTROL DEVICES, THE CONTRACTOR SHALL CLEAN INLETS & STORM PIPES OF ANY/ALL SEDIMENT INCURRED DURING CONSTRUCTION.

AS CO-PERMITEE, THE CONTRACTOR OR HIS/HER AGENT SHALL MAKE REGULAR INSPECTIONS OF ALL CONTROL MEASURES IN ACCORDANCE WITH THE INSPECTION SCHEDULE OUTLINED ON THE APPROVED EROSION & SEDIMENT CONTROL PLAN(S). THE PURPOSE OF SUCH INSPECTIONS WILL BE TO DETERMINE THE OVERALL EFFECTIVENESS OF THE CONTROL PLAN & THE NEED FOR ADDITIONAL CONTROL MEASURES. ALL INSPECTIONS SHALL BE DOCUMENTED IN WRITTEN FORM.

AN OEPA NOTICE OF INTENT (NOI) SHALL BE FILED WITH THE OEPA & A COPY OF THE APPROVAL KEPT ON-SITE. PROVISIONS OF THE SWP3 & GENERAL PERMIT SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. NO CONSTRUCTION WORK SHALL BEGIN WITHOUT AN APPROVED & CURRENT OHIO EPA NOTICE OF INTENT (NOI).

ALL CONSTRUCTION & DEMOLITION DEBRIS WASTE SHALL BE RECYCLED OR DISPOSED OF IN AN OHIO EPA APPROVED CONSTRUCTION & DEMOLITION DEBRIS LANDFILL AS REQUIRED BY OHIO REVISED CODE 3714.

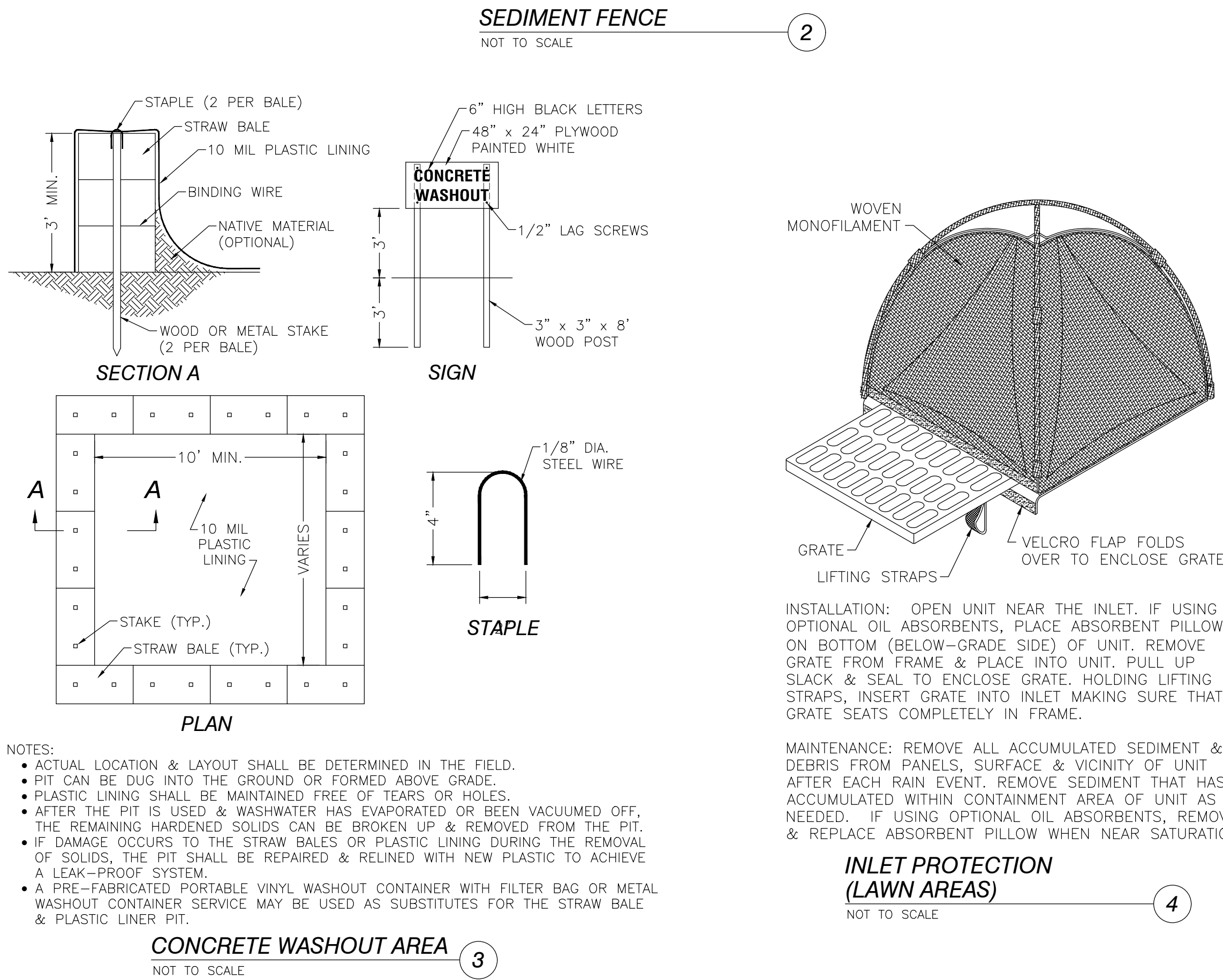


- CONSTRUCTION SPECIFICATIONS:
1. STONE SIZE -- 2" STONE OR RECLAIMED/RECYCLED CONCRETE EQUIVALENT.
 2. LENGTH -- AS REQUIRED.
 3. THICKNESS -- NOT LESS THAN 6".
 4. WIDTH -- 10' MIN. BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 5. FILTER CLOTH -- TO BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 6. SURFACE WATER -- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES IS PERMITTED.
 7. MAINTENANCE -- ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND & REPAIR &/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
 8. WASHING -- WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE.
 9. PERIODIC INSPECTION & NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE

1



- NOTES:
- ACTUAL LOCATION & LAYOUT SHALL BE DETERMINED IN THE FIELD.
 - PIT CAN BE DUG INTO THE GROUND OR FORMED ABOVE GRADE.
 - PLASTIC LINING SHALL BE MAINTAINED FREE OF TEARS OR HOLES.
 - AFTER THE PIT IS USED & WASHWATER HAS EVAPORATED OR BEEN VACUUMED OFF, THE REMAINING HARDENED SOLIDS CAN BE BROKEN UP & REMOVED FROM THE PIT.
 - IF DAMAGE OCCURS TO THE STRAW BALES OR PLASTIC LINING DURING THE REMOVAL OF SOLIDS, THE PIT SHALL BE REPAIRED & RELINED WITH NEW PLASTIC TO ACHIEVE A LEAK-PROOF SYSTEM.
 - A PRE-FABRICATED PORTABLE VINYL WASHOUT CONTAINER WITH FILTER BAG OR METAL WASHOUT CONTAINER SERVICE MAY BE USED AS SUBSTITUTES FOR THE STRAW BALE & PLASTIC LINER PIT.

CONCRETE WASHOUT AREA

NOT TO SCALE

3

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

1. HEIGHT OF BARRIER SHALL NOT EXCEED 36". HIGHER BARRIERS MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE STRUCTURE FAILURE.
2. FILTER FABRIC SHALL BE FROM A CONTINUOUS ROLL & CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FABRIC SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP, & SECURELY SEALED.
3. POSTS SHALL BE SPACED AT 10' (MAX.) APART & DRIVEN SECURELY INTO THE GROUND 12" (MIN.). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT WIRE MESH SUPPORT, POST SPACING SHALL NOT EXCEED 6'.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4" WIDE & 4" DEEP ALONG THE LINE OF POSTS & UP-SLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1" LONG, TIE WIRES OR HOG RINGS. WIRE MESH SHALL EXTEND INTO THE TRENCH 2" (MIN.) & SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.
6. STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE MESH & 8" OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. FABRIC SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
7. WHEN EXTRA STRENGTH FILTER FABRIC & CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT MAY BE ELIMINATED. IN SUCH CASE, FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
8. THE TRENCH SHALL BE BACKFILLED & SOIL COMPACTED OVER THE FILTER FABRIC.
9. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

MAINTENANCE:

INSPECT IMMEDIATELY AFTER EACH RAINFALL & AT LEAST DAILY DURING PROLONGED RAINFALL. REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FILTER FABRIC DECOMPOSE OR BECOME INEFFECTIVE WHILE 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 HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO EXISTING GRADE, PREPARED & SEEDED.

DESIGN CAPACITY CHART:

MAX. DRAINAGE AREA PER 100 LF OF BARRIER	RANGE OF SLOPE PER DRAINAGE AREA
0.5 AC.	<2%
0.25 AC.	≥2% BUT <20%
0.125 AC.	≥20% BUT <50%

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614-459-6992

507 Main Street
Zanesville, Ohio 43701
740-450-1640

NEW HIGH SCHOOL
FOR
LICKING HEIGHTS LOCAL SCHOOL DISTRICT
4101 SUMMIT ROAD
PATASKALA, OHIO 43062

Commission 17032
Drawn JS
Checked GED
Sheet Title

EROSION CONTROL
NOTES & DETAILS

Revisions:
1 PERMIT SET 8/31/2018

Card Number
8/31/2018
Date
8/31/18

C13

C14

NEW HIGH SCHOOL

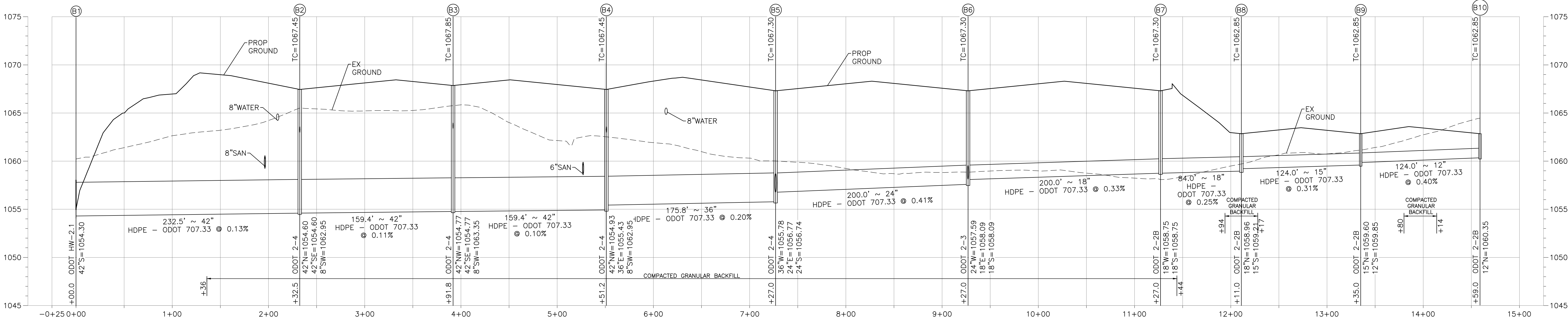


NEW HIGH SCHOOL
FOR
LICKING HEIGHTS LOCAL SCHOOL DISTRICT
4101 SUMMIT ROAD
PATASKALA, OHIO 43062

Commission	17032
Drawn	Checked
JS	GED
Sheet Title	STORM SEWER PROFILES

Revisions:

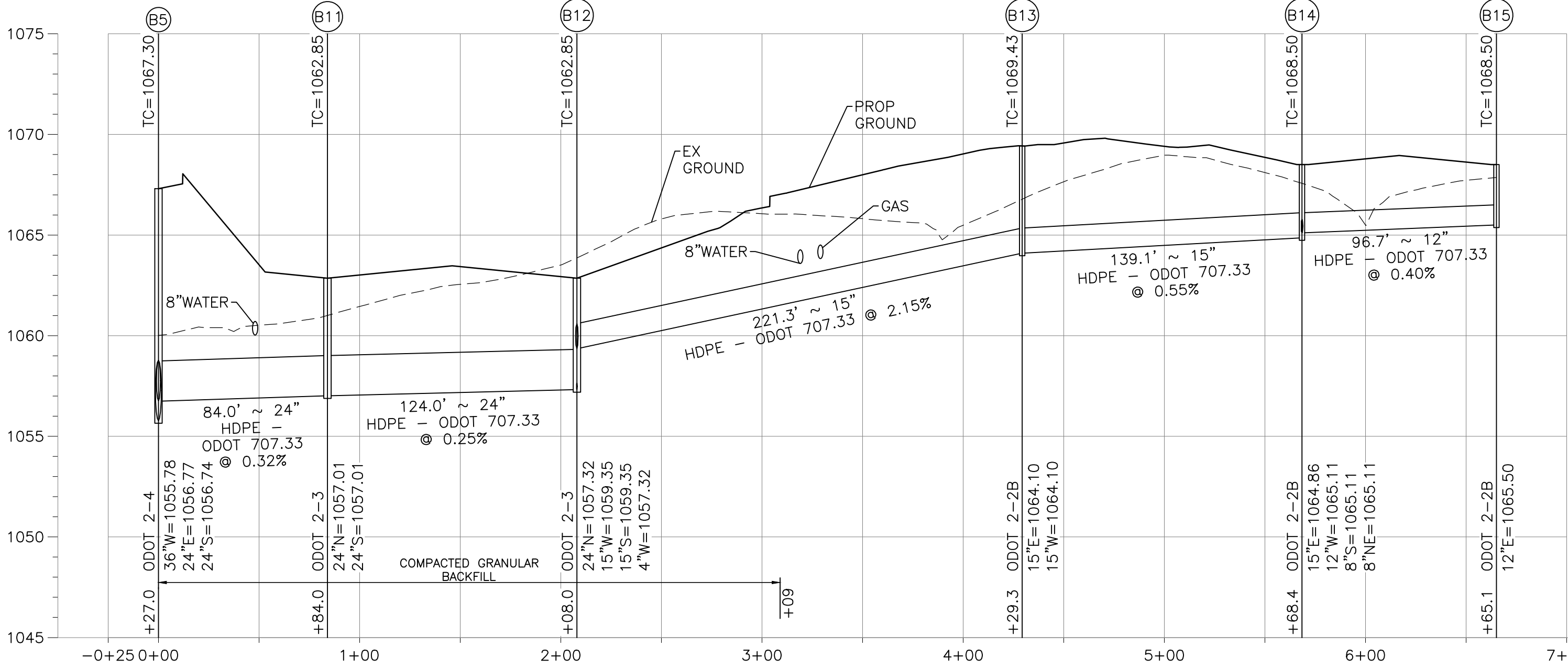
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10/1/2017	
Date	8/31/18



HW B1 to CB B10

HORIZ. 1" = 50'
VERT. 1" = 5'

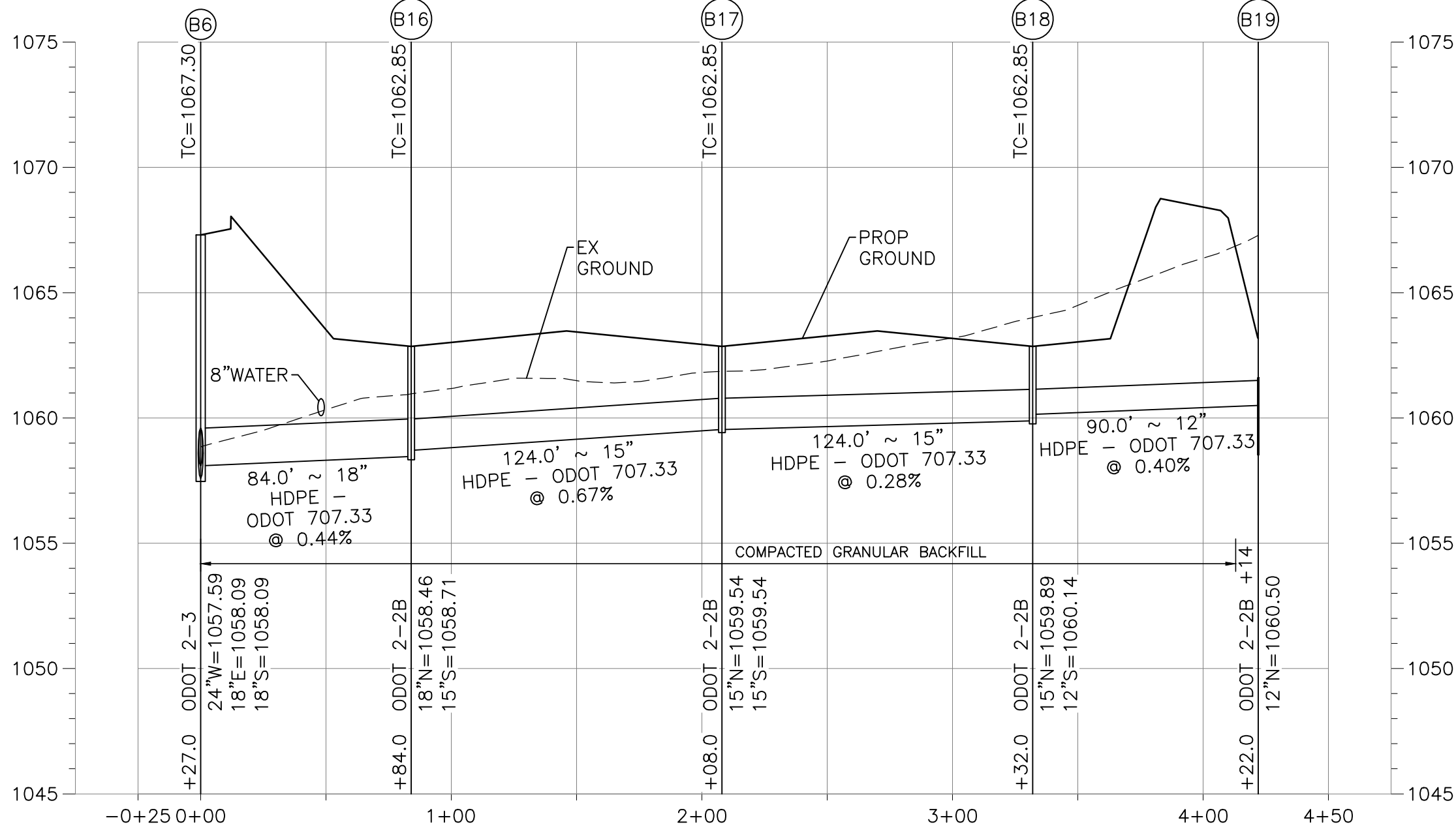
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CB B5 to CB B15

HORIZ. 1" = 50'
VERT. 1" = 5'

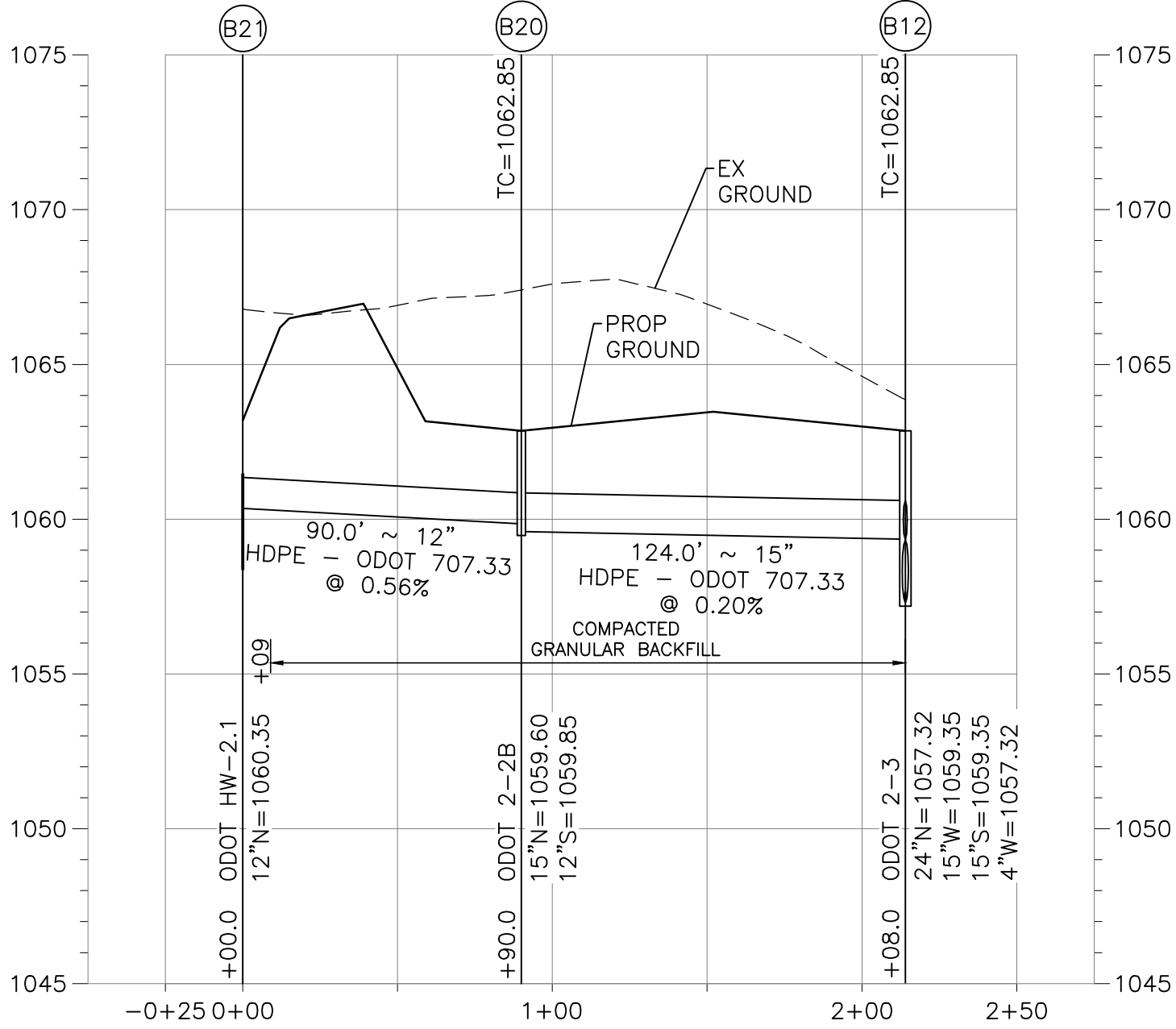
2



CB B6 to CB B19

HORIZ. 1" = 50'
VERT. 1" = 5'

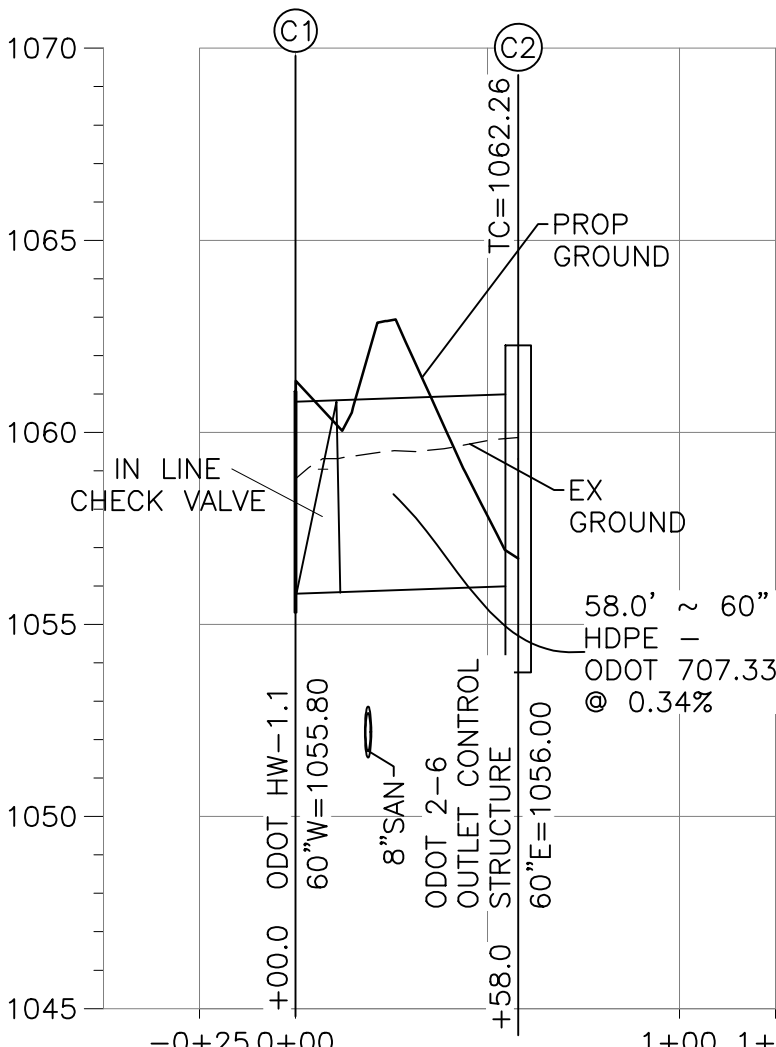
3



CB B12 to HW B21

HORIZ. 1" = 50'
VERT. 1" = 5'

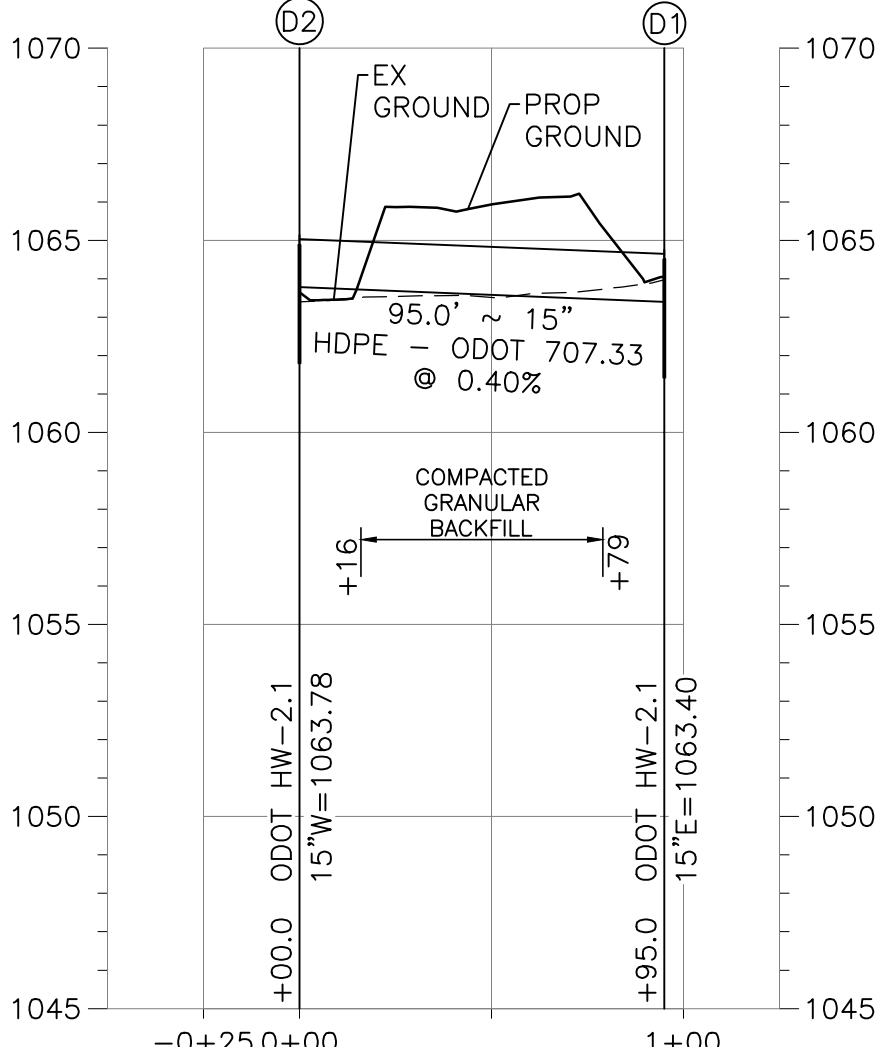
4



HW C1 to HW C2

HORIZ. 1" = 50'
VERT. 1" = 5'

5



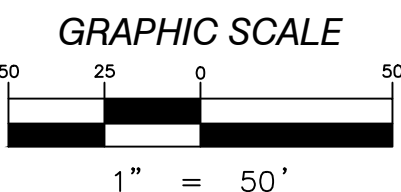
HW D1 to HW D2

HORIZ. 1" = 50'
VERT. 1" = 5'

6



NEW HIGH SCHOOL
FOR
LICKING HEIGHTS LOCAL SCHOOL DISTRICT
4101 SUMMIT ROAD
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Commission	17032
Drawn	Checked
JS	GED
Sheet Title	BORROW AREA

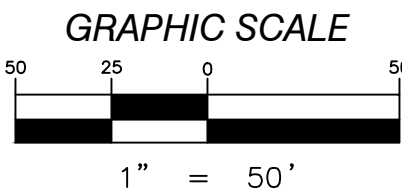
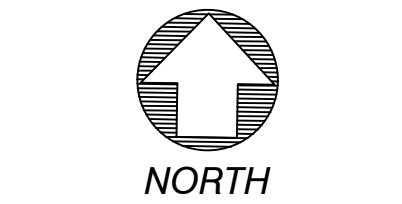
Revisions:

Card Number	
Issue Date	
Date	8/31/18



APPROXIMATE LOCATION OF
PROPOSED BORROW AREA
FINISH GRADE AT 1.0% MIN

LICKING HEIGHTS LOCAL
SCHOOL DISTRICT
PID: 063-141228-00.002
INST. NO. 201407110013044
(154.525 ACRES BY DEED)



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4101 SUMMIT ROAD
PATASKALA, OHIO 43062

Commission	17032
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JS	GED
Sheet Title	BORROW AREA

Revisions:

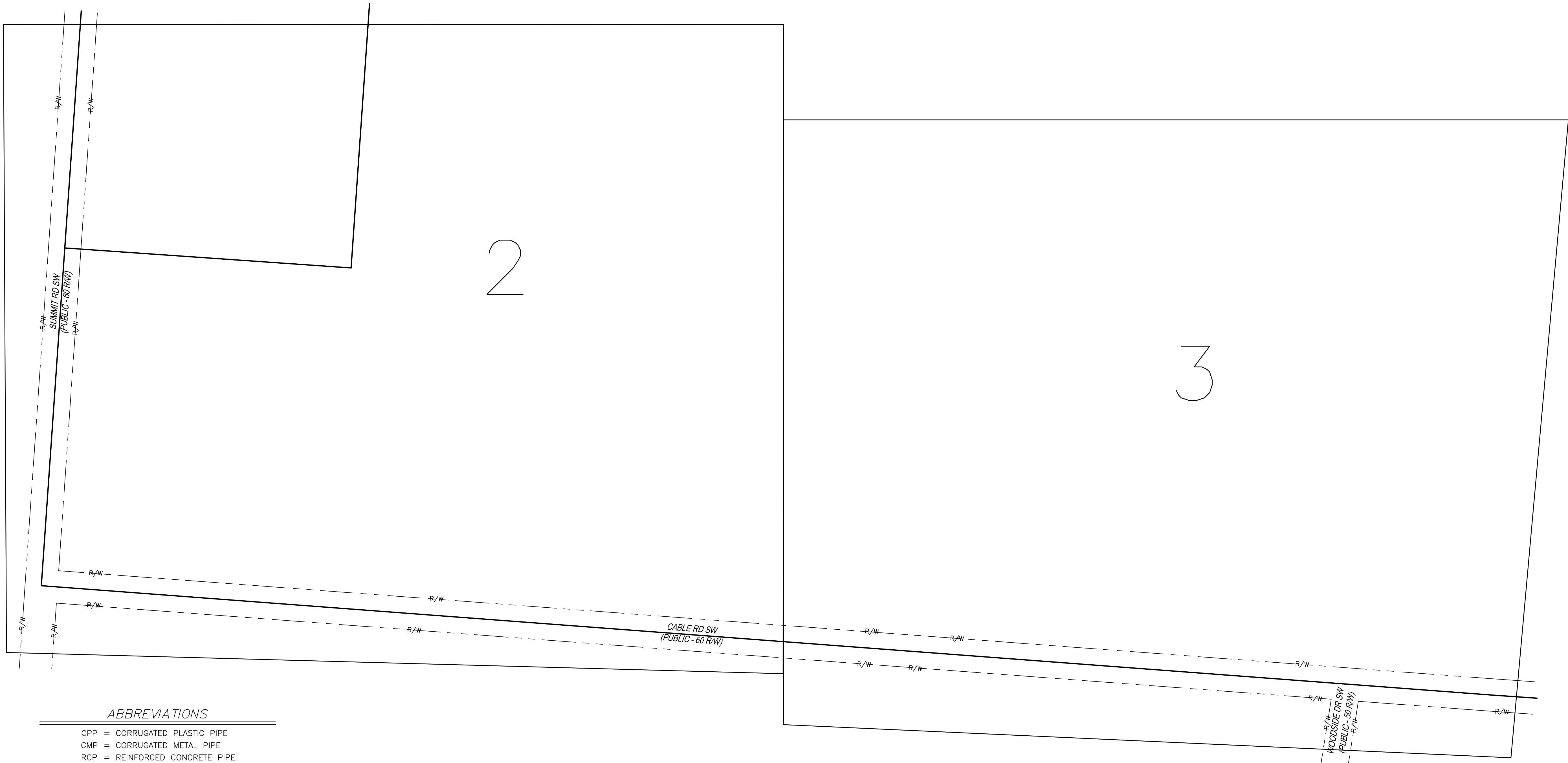
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NEW HIGH SCHOOL
FOR
LICKING HEIGHTS LOCAL SCHOOL DISTRICT
4101 SUMMIT ROAD
PATASKALA, OHIO 43062

Commission	17032
Drawn	Checked
GB	SN
Sheet Title	SITE SURVEY

Revisions		
#	Description	Revision Date

Cad Number	
Date	8/31/18



ABBREVIATIONS

CPP	= CORRUGATED PLASTIC PIPE
CMP	= CORRUGATED METAL PIPE
RCP	= REINFORCED CONCRETE PIPE
PVC	= POLYVINYL CHLORIDE PIPE
STM	= STORM
MH	= MANHOLE
CB	= CATCH BASIN
TD	= TRENCH DRAIN
TC	= TOP OF CASTING
FFL	= FINISHED FLOOR
CONC	= CONCRETE
HC	= HANDICAP RAMP

BASIS OF BEARINGS

BEARINGS ARE BASED ON THE OHIO STATE PLANE
COORDINATE SYSTEM - OHIO SOUTH ZONE (NAD83) BY
GPS OBSERVATION, REFERENCED TO THE ODOT VRS
NETWORK.

BENCHMARKS

TBM 1
ELEVATION = 1066.02
CHISELED SQUARE ON A CONCRETE HEADWALL BEING
LOCATED ON THE WEST SIDE OF SUMMIT RD SW AND +/-
135' NORTH OF POWER POLE 124FP-86712.

TBM 2
ELEVATION = 1071.33
MAG NAIL SET ON THE EAST FACE OF A POWER POLE (NO
NUMBER) BEING LOCATED ON THE WEST SIDE OF SUMMIT
RD SW AND +/- 10' NORTH OF A GRAVEL DRIVE.

TBM 3
ELEVATION = 1081.82
MAG NAIL SET ON THE EAST FACE OF A POWER POLE (NO
NUMBER) BEING LOCATED ON THE WEST SIDE OF SUMMIT
RD SW AND +/- 30' SOUTH OF THE CENTERLINE OF
CABLE RD SW.

TBM 4
ELEVATION = 1075.80
MAG NAIL SET ON THE NORTH FACE OF A POWER POLE
(NO NUMBER) BEING LOCATED ON THE SOUTH SIDE OF
CABLE RD SW AND ON THE PROPERTY LINE BETWEEN
ADDRESSES 13771 & 13791.

TBM 5
ELEVATION = 1060.83
MAG NAIL SET ON THE NORTH FACE OF A POWER POLE
(NO NUMBER) BEING LOCATED ON THE SOUTH SIDE OF
CABLE RD SW AND +/- 100' EAST OF THE CENTERLINE
OF WOODSIDE DR SW.

UTILITIES

EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING
EXISTING UTILITIES IS APPROXIMATE. THE LOCATION, SIZES,
AND OTHER INFORMATION IS ONLY AS ACCURATE AS THE
INFORMATION PROVIDED BY THE OWNERS OF THE UTILITY
COMPANY. THIS INFORMATION IS NOT REPRESENTED,
WARRANTED, OR GUARANTEED TO BE COMPLETE OR
ACCURATE.

THE FOLLOWING UTILITY OWNERS WERE CONTACTED AS
LISTED BY OUPS CONFIRMATION TICKETS A803902114-00A
& A803902118-00A:

AEP COLUMBUS SOUTHERN POWER	1-800-672-2231
COLUMBIA GAS OF OHIO	1-800-344-4077
AT&T OHIO	1-800-660-1000
CENTURYLINK	1-888-723-8010
CHARTER COMMUNICATIONS	1-866-849-1945
PATASKALA TRANSPORTATION	1-740-927-4910
NATIONAL GAS & OIL	1-740-927-6731
SOUTHWEST LICKING WATER & SEWER	1-740-927-0410

*DENOTES THE UTILITY LINE IS DRAWN FROM PLANS

LEGEND

—	= PROPERTY LINE	—FM	= COMMUNICATIONS MARKER
=====	= DEPRESSED CURB	☐	= TELEPHONE PEDESTAL
---	= EASEMENT LINE	⊙	= LIGHT POLE
—R/W—	= RIGHT-OF-WAY	⊙	= POWER POLE
---STM---	= STORM LINE	—	= GUY WIRE
---SAN---	= SANITARY SEWER	☐	= PULL BOX
---W---	= WATER LINE	☐	= ELECTRIC METER
---G---	= GAS LINE	☐	= TRANSFORMER
—OHEC—	= OVERHEAD ELECTRIC & COMM LINE	☐	= ELECTRIC VAULT
---UGT---	= UNDERGROUND TELEPHONE LINE	☐	= MAILBOX
---E/G---	= EDGE OF GRAVEL	☐	= DECIDUOUS TREE
—DITCH—	= DITCH LINE	○	= BUSH
—SPLIT—	= SPLIT RAIL FENCE	☐	= TREE STUMP
~~~~~	= TREE LINE	⊙	= BOLLARD
—HAND—	= HAND RAIL	⊙	= POST
○	= MANHOLE	⊙	= SIGN
☐	= DOWNSPOUT	×	= FINISHED FLOOR
☐	= CATCH BASIN	⊙	= BENCHMARK
—	= END OF PIPE	⊙	= IRON PIN FOUND
●	= CLEANOUT	☐	= CONCRETE
⊙	= FIRE HYDRANT	☐	= ASPHALT
⊙	= WATER VALVE	☐	= FLOOD PLAIN (ZONE A)
☐	= GAS MARKER	☐	= DELINEATED WETLANDS

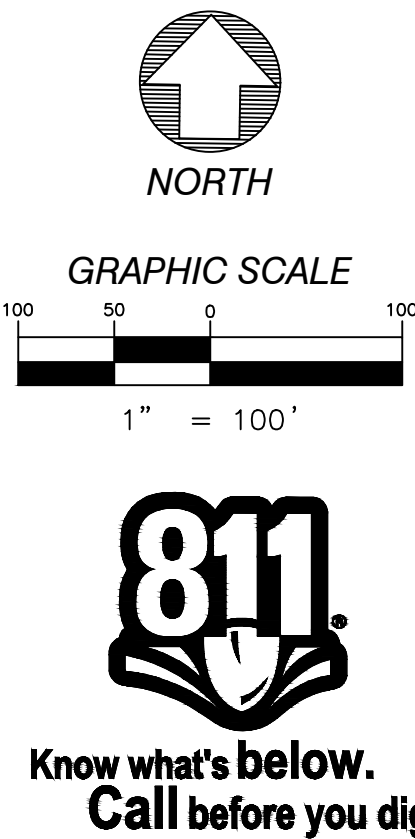
SURVEYOR'S NOTES

- BOUNDARY LINES ARE DEPICTED FROM RECORD LINES  
FOUND IN ALL REFERENCES NOTED HEREON RECORDED AT  
THE LICKING COUNTY RECORDER'S OFFICE AND DOES NOT  
REFLECT A BOUNDARY SURVEY PREPARED BY SANDS  
DECKER CPS.

- FEATURES DEPICTED ON THIS SURVEY PLAN WERE  
OBTAINED FROM A FIELD SURVEY AND AERIAL MAPPING  
PERFORMED BY SANDS DECKER CPS IN FEBRUARY &  
MARCH 2018.

- WETLAND DELINEATION PROVIDED BY HULL &  
ASSOCIATES, INC. IN FEBRUARY 2018.

- FEMA ZONE INFORMATION  
PANEL: 39089C0286J & 39089C0288J  
EFFECTIVE DATE: MARCH 16, 2015  
FLOOD ZONE A: NO BASE FLOOD ELEVATIONS  
DETERMINED.





NEW HIGH SCHOOL  
FOR  
LICKING HEIGHTS LOCAL SCHOOL DISTRICT  
4101 SUMMIT ROAD  
PATASKALA, OHIO 43062

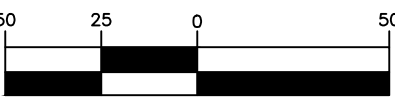
Commission	17032
Drawn	Checked
GB	SN
Sheet Title	SITE SURVEY

Revisions	#	Description	Revision Date
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Cad Number	
Date	8/31/18



GRAPHIC SCALE



Know what's below.  
Call before you dig.



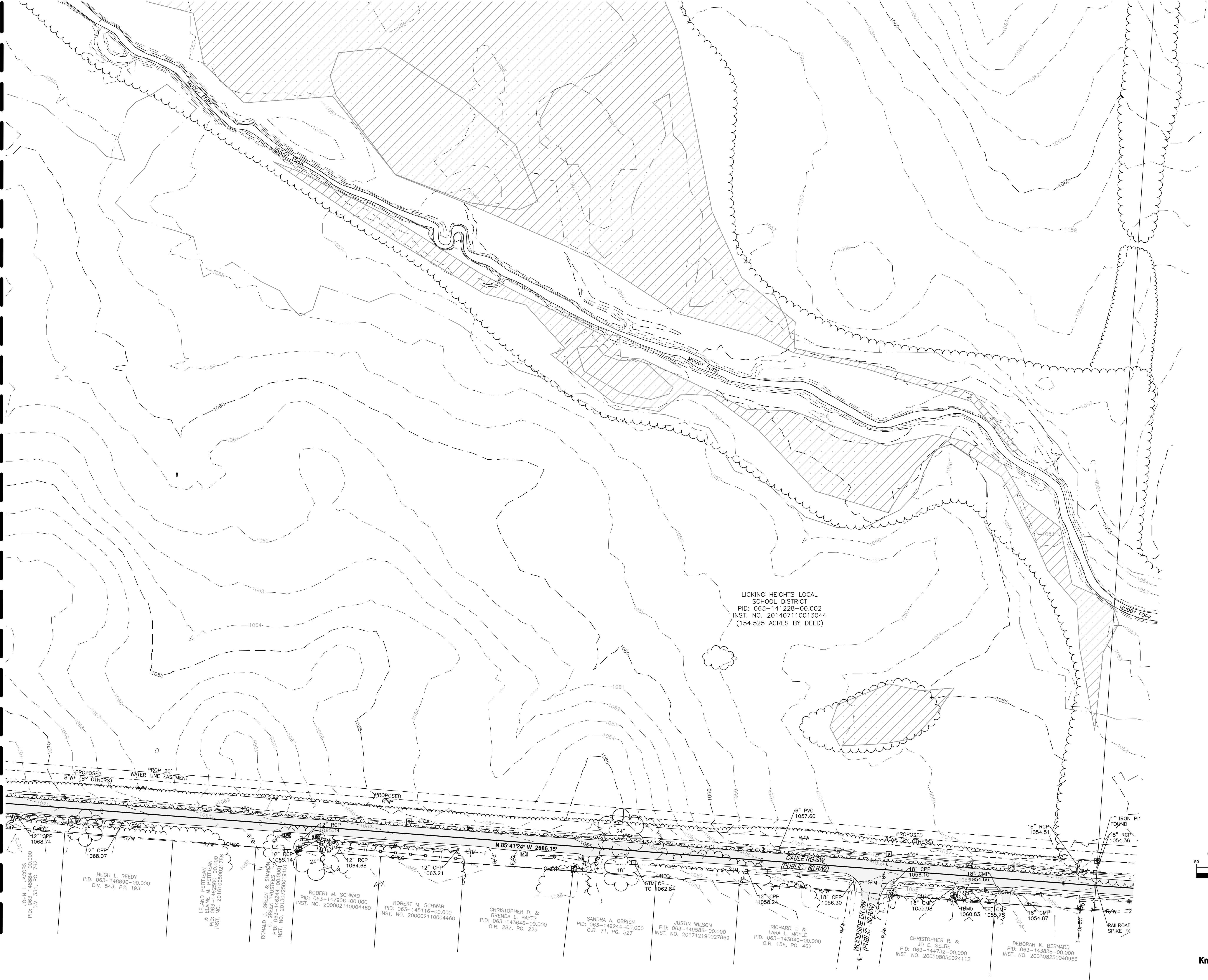
NEW HIGH SCHOOL  
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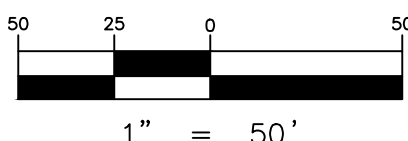
Revisions		
#	Description	Revision Date

Cad Number	
Date	8/31/18

MATCHLINE - SHEET 2



GRAPHIC SCALE



Know what's below.  
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