

FIBERCORR MAINTENANCE BUILDING
CIVPRO ENGINEERING, LLC
STARK COUNTY, OHIO

PROJECT DESCRIPTION

PROPOSED MAINTENANCE BUILDING.

CONVENTIONAL SIGNS

RIGHT OF WAY . . . EXISTING: — EX R/W —, PROPOSED: — PE-R/W —
COUNTY LINE . . .
TOWNSHIP LINE . . .
CORPORATION LINE . . .
FENCE LINE . . . EXISTING: — X —, PROPOSED: — X —
GUARDRAIL . . . EXISTING: a a a a a a, PROPOSED: a a a a a a
MANHOLES . . . EXISTING: (S), PROPOSED: (S), REHABILITATED: (S)
CATCH BASINS . . . EXISTING: [S], PROPOSED: [S], REHABILITATED: [S]
SIGNS . . . 1-POST: F, 2-POST: F, 3-POST: F, STREET: #
EXISTING POLES . . . POWER: P, TELEPHONE: T, LIGHT: L, SPAN: S
PROPOSED POLES . . . POWER: P, TELEPHONE: T, LIGHT: L, SPAN: S
EXIST. UTILITIES . . . VALVE: V, HYDRANT: H, METERS: M, GUY: G



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EARTH WORK:

AREA DISTURBED 0.18 Acres

CITY OF MASSILLON ELECTED OFFICIALS

KATHY CATAZARO-PERRY MAYOR
ANDREA SCASSA LAW DIRECTOR/PROSECUTOR
JAYNE FERRERO AUDITOR
MAUDE SLAGLE TREASURER
COUNCIL
CLAUDETTE O. ISTNICK PRESIDENT
SARITA CUNNINGHAM 1st WARD
DAVID A. IRWIN 2nd WARD
MICHAEL L. GREGG 3rd WARD
JILL CREMER 4th WARD
MEGAN STARRETT 5th WARD
LINDA K. LITMAN 6th WARD
PAUL MANSON AT LARGE
ED LEWIS IV AT LARGE
MILAN CHOYAN AT LARGE

APPROVALS

APPROVED BY:

CITY ENGINEER - JASON POPEL, P.E.

DATE

LOCATION MAP

PORTION TO BE IMPROVED
STREETS

UNDERGROUND UTILITIES

TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

TWO WORKING DAYS
BEFORE YOU DIG
1-800-925-0988 (TOLL FREE)
OIL @ GAS PRODUCERS UNDERGROUND
PROTECTION SERVICE

PLAN PREPARED BY:

CIVPRO ENGINEERING, LLC
4450 Belden Village Street, NW, Suite 800
Canton, Ohio 44718
(234) 410-3913

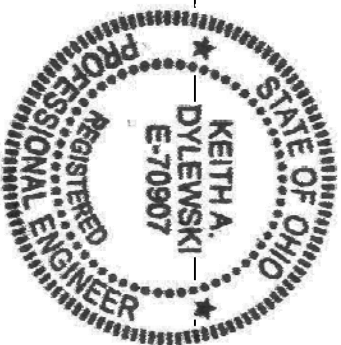
OWNER:

FIBERCOOR MILLS, INC
670 17th Street NW
Massillon, OH 44647
(330) 837-5151



KEITH A. DYLEWSKI

KEITH A. DYLEWSKI, P.E., P.S.
CIVPRO ENGINEERING, LLC



10/9/18

DATE

REVISIONS:	
DATE	DESCRIPTION

Fibercorr Maintenance Building
Title Sheet
City of Massillon
Stark County, Ohio

CIVPRO ENGINEERING
ENGINEERS-SURVEYORS-CONSTRUCTION MANAGERS
4450 BELDEN VILLAGE STREET NW, SUITE 800 CANTON, OH 44718
PHONE: (330) 266-3734 EMAIL: KAD@CIVPROENGINEERING.COM
WWW.CIVPROENGINEERING.COM

DRAWING NAME: Fibercorr Title
REF. NUMBER: 1 / 3

GENERAL NOTES
THE CONSTRUCTION OF THIS PROJECT SHALL BE COVERED BY THE CITY OF MASSILLON AND SUPPLEMENTED WHERE APPLICABLE BY THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (O.D.O. 11.) MATERIAL SPECIFICATIONS, 2016.

THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT, SITE CONDITIONS, WEATHER LIMITATIONS, SCHEDULE LIMITATIONS, PLANS, SPECIFICATIONS, STANDARD DRAWINGS AND ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT PRIOR BIDDING ON THIS PROJECT

ANY CHANGE ORDERS TO THE ORIGINAL CONTRACT DOCUMENTS MUST BE SUBMITTED IN WRITING BY THE CONTRACTOR, TO THE ENGINEER, FOR REVIEW AND APPROVAL/DISAPPROVAL, BY THE OWNER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON SUSPECTING A PENDING CHANGE ORDER. THE OWNER WILL REVIEW EACH REQUEST IN A TIMELY FASHION. ANY WORK COMPLETED BY THE CONTRACTOR WITHOUT PRIOR WRITTEN AUTHORIZATION WILL NOT BE PAID BY THE OWNER (COST WILL BE BORNE BY THE CONTRACTOR).

ANY MODIFICATION TO THE WORK SHOWN ON THESE PLANS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ENGINEER.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REQUEST AND ATTEND A PRE-CONSTRUCTION MEETING.

AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL PROVIDE ALL SHOP DRAWINGS AND MATERIAL SHEETS FOR REVIEW, A LIST OF ALL SUBCONTRACTOR S, A WRITTEN SCHEDULE FOR THE PROJECT, EMERGENCY NUMBERS, AND OTHER ITEMS REQUESTED BY THE ENGINEER, PRIOR TO BEGINNING ANY WORK ON THE PROJECT.

THE CONTRACTOR SHALL CONFINE WORK ACTIVITIES TO THE PROJECT ARE A, UNLESS PRIVATE AGREEMENTS HAVE BEEN MADE BETWEEN THE CONTRACTOR AND PROPERTY OWNERS TO EXTEND ONTO PRIVATE PROPERTY ALL DAMAGE TO AREAS BEYOND THE WORK LIMITS SHALL BE REPAIRED TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION BEFORE CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THIS PROJECT.

ALL ROAD SURFACES, EASEMENTS OR RIGHT OF WAYS DISTURBED BY CONSTRUCTION OF ANY PART OF THIS IMPROVEMENT ARE TO BE RESTORED COMPLETELY TO THE BEFORE CONSTRUCTION CONDITION OR BETTER.

PRICES BID PER FOOT FOR ALL PIPE IS COMPLETE IN PLACE REGARDLESS OF SOIL OR ROCK CONDITIONS.

NO WORK OR OTHER ACTIVITIES ARE TO TAKE PLACE OUTSIDE OF THE PROPERTY LINES OF THIS PROJECT AS DEFINED IN THE CONTRACT PLANS. CONTRACTOR SHALL LIMIT THE AREA OF DISTURBANCE TO THE PROPOSED LIMITS OF GRADING.

WHERE POSSIBLE, PRIOR TO SOIL STOCKPILING, CONTRACTOR TO REVIEW THE EXISTING, SITE CONDITIONS/ELEVATION PRIOR TO BID. EXCAVATE TEST PITS AS NECESSARY. OWNER TO PAY FOR MONITORING BY GEOTECHNICAL ENGINEER.

FERTILIZING, SEEDING AND MULCHING FOR RESTORATION OF DISTURBED AREAS SHALL CONFORM TO CITY OF MASSILLON CONSTRUCTION STANDARDS AND SPECIFICATIONS.

THE EXISTING CONTOURS WERE FROM FIELD TOPOGRAPHIC SURVEY PRIOR TO SITE CLEANING, DEMOLITION AND TOP-SOIL STOCKPILING. THE CONTOURS ARE IN ONE (1) FOOT INCREMENTS.

CONTRACTOR SHALL RESTORE ALL AREAS AND UTILITIES DISTURBED BY HIS WORK SHALL BE REPAIRED TO THE CONDITION EXISTING PRIOR TO CONSTRUCTION AND AS PER CONTRACT DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES, BUILDINGS, ROADWAYS, STRUCTURES AND SITE CONDITIONS RESULTING FROM HIS WORK.

CONTRACTOR SHALL STRICTLY ADHERE TO EROSION CONTROL PLAN. SEE STORM WATER POLLUTION CONTROL SHEETS AND DETAILED EROSION CONTROL NOTES. TEMPORARY WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL MAY BE REQUIRED IN ACCORDANCE WITH ITEM 207 OF THE O. O. 11. CONSTRUCTION AND MATERIAL SPECIFICATIONS.

ALL DISTURBED SIGNS, GUARD RAIL, MAIL AND/OR PAPER BOXES, DRIVES AND DRIVE CULVERTS SHALL BE REPAIRED AND/OR REPLACED AS DIRECTED BY THE CITY OF MASSILLON.

ALL DISTURBED AND/OR DAMAGED SEWER PIPES, SEWER APPURTENANCES, PAVEMENTS, BERMS AND DITCHES SHALL BE REPAIRED AND /OR REPLACED AS DIRECTED BY THE CITY OF MASSILLON.

ALL COSTS FOR THE WORK DESCRIBED ABOVE SHALL BE INCLUDED FOR PAYMENT WITH THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.

CONTACT: THE CITY OF MASSILLON
151 LINCOLN WAY E
MASSILLON, OH 446461
(330)830-1922
(330)830-1786

SAFETY
THE CONTRACTOR AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXISTING PRECAUTION AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

THE ENGINEER RESERVES THE RIGHT TO SHUT-DOWN THE PROJECT WITH NO RESPONSIBILITY TO DELAY CLAIMS OR PROJECT SCHEDULE, SHOULD THE CONTRACTOR FAIL TO PROVIDE A SAFE ENVIRONMENT FOR WORKERS AND /OR THE PUBLIC.

WORK LIMITS
THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE NECESSARY PERSONNEL AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

UTILITIES

THE FOLLOWING UTILITIES MAY BE LOCATED WITHIN THE WORK LIMITS. UTILITY & CONTACT (IF APPLICABLE) PHONE

CITY ENGINEER, JASON POPEL, PE	(330) 830-1122
CITY OF MASSILLON POLICE DEPARTMENT	(330) 830-1135
CITY OF MASSILLON FIRE DEPARTMENT	(330) 830-1053
CITY OF MASSILLON (STORM, SANITARY)	(330) 830-1122
AQUA OHIO	(330) 832-5764
MCTV	(330) 833-4134
FIRST ENERGY	(330) 830-1056
AMERICAN	(330) 478-1100
AMERTTECH	(330) 834-8057

CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO OIL AND GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OOGPS), THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 4 HEADQUARTERS AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION IN ALL AREAS.

OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY)
OOGPS 1-800-925-0988

ODOT 1 -330-766-3145

EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED UPON THE BEST AVAILABLE INFORMATION PROVIDED TO THE ENGINEER. THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITIES OR PROTECTORS PRIOR TO CONSTRUCTION OF PROPOSED PIPES OR FACILITIES TO VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES. IN THE EVENT OF CONFLICT BETWEEN UTILITIES, THE ENGINEER SHALL DETERMINE THE PROPOSED COURSE OF ACTION TO ELIMINATE THE CONFLICT. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN ON THESE PLANS OR NOT.

THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES. ALL EXISTING UTILITIES, SERVICE LINES, OR PROTECTORS DAMAGED BY CONSTRUCTION OF THE PROJECT SHALL BE REPAIRED TO THE SATISFACTION OF THE UTILITY OWNER

AT ALL UTILITY CROSSINGS, THE TRENCH BACKFILL SHALL CONSIST OF COMPACTED GRANULAR MATERIAL BETWEEN THE PIPES.

ALL EXISTING MANHOLES, CATCH BASINS, UTILITY BOXES, VALVES BOXES, ETC., SHALL BE ADJUSTED TO MATCH THE FINISHED GRADE OF THE PROJECT.

STORM SEWER SYSTEM
ALL STORM STRUCTURES SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611. CONSTRUCTED PER THE STANDARD DRAWING REFERENCED IN THE PLANS, OR AS MODIFIED BY SPECIFIC DETAILS INCLUDED IN THIS PLAN. ACCEPTABLE MATERIALS SHALL BE PRECAST CONCRETE ONLY.

ALL STORM GRATES SHALL BE "BICYCLE SAFE" AND "ADA COMPLIANT".

ALL STORM PIPES SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611, OR AS MODIFIED BY SPECIFIC DETAILS INCLUDED IN THIS PLAN. ACCEPTABLE STORM SEWER MATERIALS SHALL BE RCP (106.02), HDPE (107.33), OR PVC (107.42, 107.43).

ALL STORM SEWER S UNDER PAVEMENT SHALL BE ODOT TYPE B. ALL DRIVE PIPES SHALL BE ODOT TYPE D. ALL CULVERTS SHALL BE ODOT TYPE A.

ALL UNDERDRAINS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 605, OR A S MODIFIED BY SPECIFIC DETAILS INCLUDED IN THIS PLAN. ACCEPTABLE MATERIALS SHALL BE HDPE (107.31) OR PVC (107.41).

ALL ROOF OR AIN COLLECTOR S SHALL MEET THE REQUIREMENTS OF ODOT ITEM 605, OR AS MODIFIED BY SPECIFIC DETAILS INCLUDED IN THIS PLAN. ACCEPTABLE MATERIALS SHALL BE HDPE (107.33) OR PVC (107.45), OR CK FILL FOR ALL PIPES WITHIN THE INFLUENCE LINE OF THE PAVEMENT (STREET DRIVEWAYS, SIDEWALKS, ETC.) SHALL BE FULL DEPTH COMPACTED GRANULAR EMBANKMENT MEETING THE REQUIREMENTS OF ODOT ITEM 611. THE INFLUENCE LINE OF THE PAVEMENT IS DEFINED AS A LINE EXTENDING DOWNWARD A 45 DEGREE ANGLE FROM A POINT 2 FEET BEYOND THE PAVEMENT. COMPACTION AND TESTING REQUIREMENTS SHALL MEET THE ODOT SPECIFICATION.

ALL EXISTING PIPES, ROOF OR AINS, OR AIN TILES, SUMP PUMP CONNECTIONS, SPRING DRAINS, OR FLEED TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE CONNECTED TO THE STORM SEWER SYSTEM OR ROOF- OR AIN COLLECTOR SYSTEM, AS DIRECTED BY THE ENGINEER.

ALL COSTS FOR THE WORK DESCRIBED ABOVE SHALL BE INCLUDED FOR PAYMENT WITH THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER ANY EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATION.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY, IT CONSTRUCTED AS SHOWN ON THE PLAN. THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 605 ITEM.

CITY OF MASSILLON CONSTRUCTION STANDARDS AND SPECIFICATIONS:

CONSTRUCTION NOTES FOR SANITARY & STORM SEWER INSTALLATION (S-1 & S-2)

*SHEET REFERENCES LISTED BELOW REFER TO CITY OF MASSILLON STANDARD CONSTRUCTION DRAWINGS

1. A) SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 35 ASTM D- 3034 WITH RING-TITE FACTORY INSTALLED RUBBER SEALING RING
2. ASTM C-443) TO DEPTH OF 17 FT.

B) FOR DEPTHS OF 17 FT. TO 28 FT., SDP 26 ASTM D3034 SHALL BE USED.

C) THE SANITARY PIPE FOR DEPTHS GREATER THAN 28 FT. SHALL BE APPROVED BY THE CITY ENGINEER

2. RCP FOR 12" AND 15" SHALL BE A CLASS IV TYPE, CLASS III FOR 18" AND LARGER PIPE SHALL BE CLASS III WITH LOAD BEARING QUALIFICATION APPROVED BY THE CITY ENGINEER. CLASS IV PIPE SHALL BE USED IN CASES OF DEEP SEWERS OR HEAVY LOADS.

3. STORM SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 35 ASTM C-3034 WITH RING-TITE FACTORY INSTALLED RUBBER SEALING RING (ASTM C-443) OR RCP, WITH NEOPRENE RUBBER O- RING GASKETS.

4. THE CITY MAY CONSIDER THE ON SITE USE OF CORRUGATED SMOOTH INTERIOR HOPE PIPE FOR STORM SEWERS A S SPECIFIED ON SHEET S-18 & S-19.

5. MANHOLE TO MANHOLE DISTANCE SHALL NOT EXCEED 400 FEET.

6. WELL POINTS SHALL BE IN STALLED A 1 THE DOWN STREAM MANHOLE OF ALL SANITARY MAIN SYSTEMS FOR THE PURPOSE OF MEASURING GROUND WATER, SO AS TO CALCULATE REQUIRED AIR PRESSURE. SEE SHEET S-2 SANITARY LINE AIR TESTING.

7. SANITARY MANHOLE S SHALL MEET ASTM C -478 FOR MATERIAL AND ASTM C-443 FOR JOINTS
8. FLEXIBLE GASKETS ON ALL SEWER LINE CONNECTIONS AND ALL PRECAST MANHOLE COLLARS SHALL BE ASTM C-923.

9. ALL SANITARY MAINLINE RUNS SHALL END WITH A MANHOLE.

10. ALL MANHOLE CASTINGS ARE TO BE E. J. I. W. 1,040 SERIES HEAVY DUTY CASTING. SANITARY MANHOLE LIDS SHALL BE TYPE "A" GASKET SEAL, "WATER-TITE" TYPE WITH "O" RING GASKETING (ASTM C- 443) EXCEPTING THAT HEAVY DUTY BOLT DOWN CASTING AND COVER (E. J. I. W. 1,040- WT) SHALL BE SUEE WHENEVER A SANITARY OR STORM MANHOLE IS IN AN OFF-SITE EASEMENT, NEAR A WATERWAY OR WITHIN A ROADWAY ARE AS.

11. ALL ADJUSTMENTS TO CASTING SHALL BE MADE WITH PRECAST CONCRETE GRADE RINGS.

12. ALL PAVEMENT BASINS (i. e., CATCH & INLET) SHALL BE BROUGHT TO GRADE WITH PRECAST OR FAVORITE BRICK & MORTAR. PRECAST IS PREFERRED. CITY WILL CONSIDER EQUAL TO PRECAST ONLY IN WRITING. RED CLAY BRICK WILL NOT BE ALLOWED.

13. FLOW LINES SHALL BE FORMED SO AS TO MATCH ALL PIPE PENETRATION INVERTS.

14. SANITARY SEWER MAINS A T MANHOLES PROPOSED WITHIN 2 FEET OF EXISTING INVERT ELEVATION SHALL BE REQUIRED TO MATCH THE EXISTING INVERT.

15. SANITARY SEWERS IN EXCESS OF 4 FEET SHALL REQUIRE A PRECAST EXTERIOR DROP MANHOLE. (REFERENCE SHEET S-13)

16. PVC SANITARY AND STORM MANHOLE CONNECTIONS SHALL BE THE KOR -N-BOOT TYPE .

17. FOR OR OP MANHOLE INSTALLATIONS, SEE SHEET S-13 AND S-14 FOR DETAILS.

18. A MONITORING MANHOLE SHALL BE REQUIRED FOR ALL COMMERCIAL AND INDUSTRIAL APPLICATIONS DURING DEVELOPMENT. THE MONITORING MANHOLE SHALL BE PLACED AS CLOSE TO THE ESTABLISHED RIGHT OF WAY AS POSSIBLE.

19. SANITARY, STORM AND WATER LINE EASEMENTS SHALL BE PROVIDED WITH CITY ACCESS FOR THE PURPOSE OF MAINTENANCE OF UTILITIES. CITY ACCESS IS TO BE A HARDWEED SCHEDULING AS LARGEST, ASYMETRIC, CONCRETE BOXES WITH GRASS GROWTH OR INFORM SOIL SHALL BE INSTALLED AT THE END OF THE EASEMENT. THE END OF THE EASEMENT SHALL BE DESIGNATED AS BLOCK S.

20. WHERE A STORM SYSTEM IS PROPOSED ALONG AN EXISTING ROADWAY, AREA DRAINS SHALL BE PROVIDED FOR EACH PROPERTY. LOCATION, SIZE AND MANNER OF CONNECTION TO THE STORM SYSTEM SHALL BE DETERMINED AT THE PLAN REVIEW STAGE.

21. IN NO CASE SHALL SANITARY OR STORMS LATERALS BE DIRECTLY CONNECTED INTO A MANHOLE.

22. EACH SUBLOT IS TO BE PROVIDED WITH ITS OWN STORM CONNECTION TO BE USED BY THAT SUBLOT ONLY. STORM CONNECTIONS SHALL NOT BE PERMITTED TO BE SHARED BY ADJACENT PROPER TIES.

23. STORM SEWER PVC PIPE CONNECTIONS INTO RCP STORM SHALL BE WITH AN INSTALLED TEE OR SOLID CONCRETE BRICK AND MORTAR

24. RCP STORM SEWER CONNECTIONS INTO RCP STORM SHALL BE WITH AN INSTALLED TEE OR SOLID CONCRETE BRICK AND MORTAR

25. ALL LATERALS SHALL HAVE A DEPTH OF (9) NINE FEET AT ITS RIGHT-OF-WAY TERMINUS POINT OR DEEP ENOUGH TO SERVICE THE LOWEST POINT OF THE BUILDING OR A DEPTH IN RELATION TO THE DEPTH OF SANITARY SYSTEM.

26. CLAY LAM IS TO BE PROVIDED 6 FT. FROM THE LATERAL TERMINUS FOR BOTH SANITARY & STORM.

27. CROSSING AS HEREIN DEFINED SHALL BE EITHER PERPENDICULAR TO ANY PART OF A SKEW OR ANGLE A T THE CROSSING.

28. MINIMUM OF 6" CLEARANCE SHALL BE MAINTAINED BETWEEN THE CASING OR AND ANY CROSSING PIPE.

29. PVC SAN. OR PVC STM. MAINS MAY BE INSTALLED IN A STEEL CASING, WITH GROUTING, TO A DISTANCE OF 10 FEET EACH SIDE OF THE CROSSING.

30. WHERE THE SAN. LAT , STM. LAT OR SAN., STM. MAIN IS WITHIN 18" OF THE WATER MAIN, D.I.P. CLASS 52 SHALL BE USED @ 10' EACH SIDE OF THE CROSSING. 150 PSI SHALL BE PROVIDED.

31. WHERE THE SANITARY OR STORM LATERAL IS LESS THAN 3 FT. IN DEPTH OR WITHIN 1 2" OF THE WATERMAIN, D.I.P. CLASS 52 SHALL BE USED.

32. TRANSITIONAL ADAPTERS ARE TO BE USED FROM P.V.C TO D.I.P., PREFERRED SINGLE UNIT ADAPTER IS SPECIFIED FITTINGS 58056 SWR . 6" OD/OD/OD XS WR OR EQUAL, FERROU FITTINGS WILL NOT BE PERMITTED IN PLACED OF ADAPTERS.

33. PVC SANITARY SEWER REPAIRS SHALL BE MADE USING SOLID SLEEVE COUPLINGS ONLY. FERROU FITTINGS SHALL NOT BE PERMITTED FOR SANITARY REPAIR S

34. PVC STORM SEWER REPAIR S SHALL BE MADE USING SOLID SLEEVE COUPLINGS OR FERROU FITTINGS.

35. SHOULD EXCAVATION ENCOUNTER EXISTING DRAIN LINES, REPAIR SHALL BE MADE VIA A MINIMUM (6 ") SIX INCH TEE OR K OR -N-SEAL BOOT INTO THE STORM SYSTEM. (6") SIX INCH PVC SO R 35 PIPE TO THE RIGHT-OF- WAY LINE, USING A REDUCER AND/OR VARIOUS BENDS TO MAKE THE CONNECTION. FENCES MAY BE USED IN THIS APPLICATION.

36. WHEN A WATER SERVICE AND /OR GA S SERVICE IS DISTURBED OR DISCONNECTED DURING TRENCH OR SHEETING EXCAVATION, SUCH SERVICES SHALL BE PLANKED USING 2"x8" HARDWOOD MINIMUM, 18" INTO VIRGIN SOIL , EACH END.

37. UPON REVIEW OF THE CITY ENGINEER, IF AN ATTRACTIVE NUISANCE OR ANY OTHER SAFETY HAZED IS DEEMED TO EXIST, THE USE OF A STEEL SAFETY RACK OR "CHILD PROOF BARS" WILL BE REQUIRED. REFER TO SHEET S-20 FOR DETAILS.

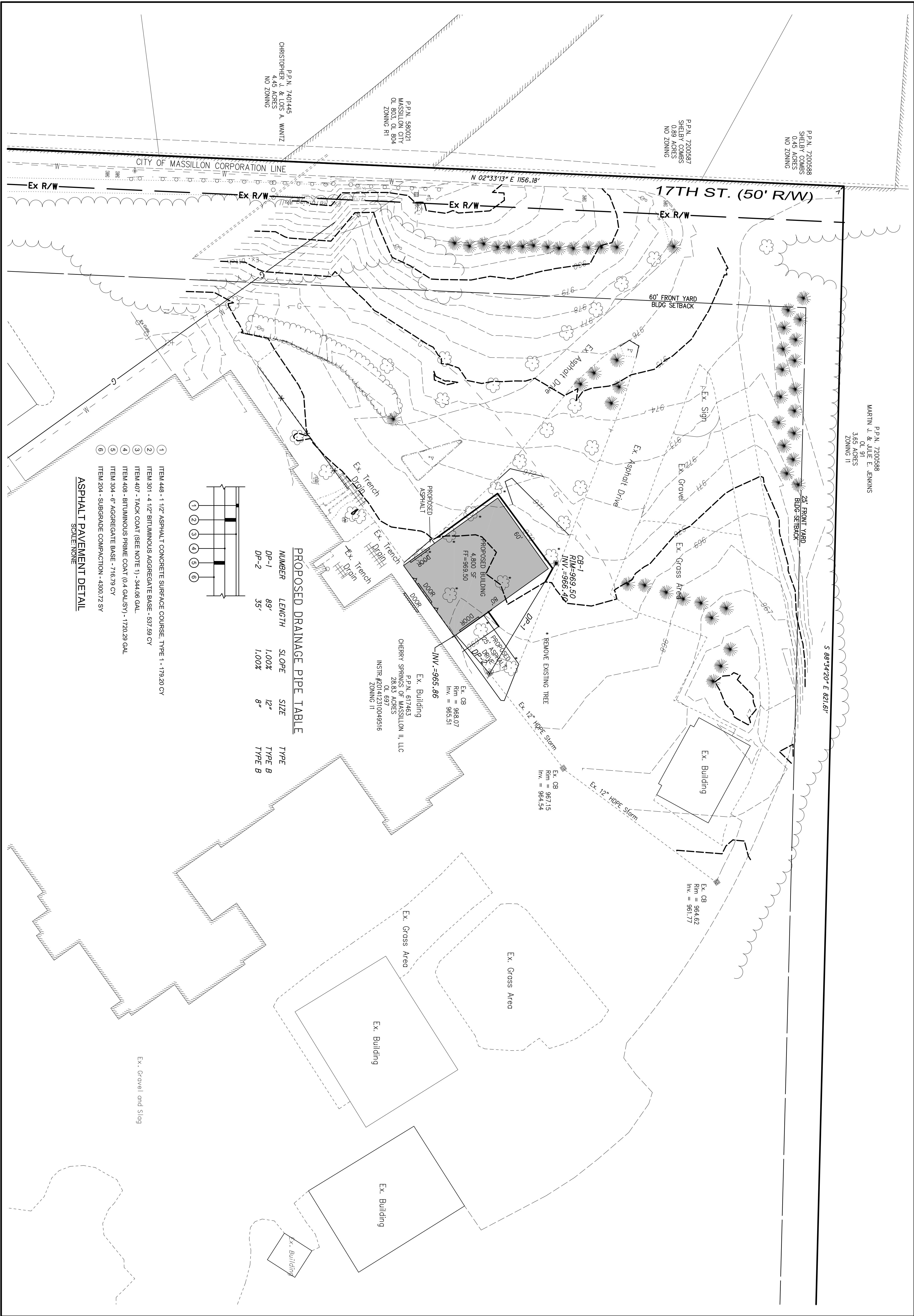
REVISIONS:	
DATE	DESCRIPTION

	DRAWN BY: KAD
	CHECKED BY: KAD
	DATE: OCT, 2018
	DATE: OCT, 2018

Fibercoor Maintenance Building
General Notes
City of Massillon
Stark County, Ohio

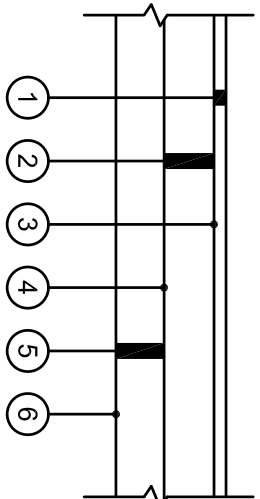


DRAWING NAME: xxxxx.DWG
PROJECT NUMBER: xxxxx.DWG
2 / 3



PROPOSED DRAINAGE PIPE TABLE

NUMBER	LENGTH	SLOPE	SIZE	TYPE
DP-1	89'	1.00%	12"	TYPE B
DP-2	35'	1.00%	8"	TYPE B



- ① ITEM 448 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 - 179.20 CY
- ② ITEM 301 - 4 1/2" BITUMINOUS AGGREGATE BASE - 537.59 CY
- ③ ITEM 407 - TACK COAT (SEE NOTE 1) - 344.06 GAL.
- ④ ITEM 408 - BITUMINOUS PRIME COAT (0.4 GAL/SY) - 1720.29 GAL
- ⑤ ITEM 304 - 6" AGGREGATE BASE - 776.79 CY
- ⑥ ITEM 204 - SUBGRADE COMPACTION - 4300.72 SY

ASPHALT PAVEMENT DETAIL

SCALE: NONE