

GENERAL NOTES
THE CONSTRUCTION OF THIS PROJECT SHALL BE GOVERNED BY THE CITY SUPPLEMENTED WHERE APPLICABLE BY THE STATE OF OHIO DEPARTMENT (O.D.O. T.) MATERIAL SPECIFICATIONS, 2016. 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. ANY MODIFICATION TO THE WORK SHOWN ON THESE PLANS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ENGINEER. 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. PRICES BID PER FOOT FOR ALL PIPE IS COMPLETE IN PLACE REGARDLESS OF CONDITIONS. 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. 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. NO WORK OR OTHER ACTIVITIES ARE TO TAKE PLACE OUTSIDE OF THE PROPERTY LINES OF PROJECT AS DEFINED IN THE CONTRACT PLANS. CONTRACTOR SHALL LIMIT THE AREA OF DISTURBANCE TO THE PROPOSED LIMITS OF GRADING. PRIOR TO CONSTRUCTION, MEETING. 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 THE CONTRACTOR SHALL REQUEST AND ATTEND TO REVIEW THE EXISTING SITE AS NECESSARY. OWNER TO PAY 우 우 A PRE-CONSTRUCTION MASSILLON AND TRANSPORTATION SOIL OR ROCK

FERTILIZING, SEEDING AND MULCHING FOR RESTORATION TO CITY OF MASSILLON CONSTRUCTION STANDARDS AND HERE POSSIBLE. PRIOR TO SOIL S ONDITIONS/ELEVATION PRIOR TO OR MONITORING BY GEOTECHNICAL STOCKPILING, CONTRACTOR) BID. EXCAVATE TEST PITS \L ENGINEER. OF DISTURBED AREAS SHALL CONFORM SPECIFICATIONS.

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. THE EXISTING CONTOURS WERE FROM FIELD TOPOGRAPHIC SURVEY PRIOR TO SITE CLEARING, DEMOLITION AND TOPSOIL STOCKPILING. THE CONTOURS ARE IN ONE (1) FOOT INCREMENTS. ONTRACTOR SHALL STRICTLY ADHERE. TO EROSION CONTROL PLAN. SEE STORM WATER OLLUTION CONTROL SHEETS AND DETAILED EROSION CONTROL NOTES. TEMPORARY WATER OLLUTION. SOIL EROSION AND SILTATION CONTROL MAY BE REQUIRED IN ACCORDANCE WITH TEM 207 OF THE 0.0.0.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS.

ALL COSTS FOR THE WORK DESCRIBED ABOVE SHALL BID FOR THE VARIOUS CONTRACT ITEMS. ALL DISTURBED AND/OR DAMAGED SEWER PIPES, SEWER APPURTENANCES, PAVEMENTS, AND DITCHES SHALL BE REPAIRED AND /OR REPLACED AS DIRECTED BY THE CITY OF MASSILLON. 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. BERMS THE PRICE

THE CITY OF MASSILLON 151 LINCOLN WAY E MASSILLON, OH 446461

SAFETY
THE CONTRACTOR AND SUBCONTACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING ALL FEDERAL STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTION AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR(S) TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK. THE ENGINEER RESERVES THE RIGHT TO SHUT-DOWN THE PROJECT WIDELAY CLAIMS OR PROJECT SCHEDULE, SHOULD THE CONTRACTOR FAIL TO PROVIDE A SAFE ENVIRONMENT FOR WORKERS WITH NO AND /OR THE PUBLIC

UTILITIES
THE FOLLOWING UTILITIES MAY BE LAPPLICABLE) PHONE
CITY ENGINEER, JASON POPI
CITY OF MASSILLON (STORM,
AQUA OHIO
MCTV

FIRST ENERGY DOMINION AMERITECH (330) 830-1722 (330) 830-1722 (330) 832-5764 (330) 833-4134 (330) 830-7056 (330) 878-1700 (330) 834-8057

CONTRACTOR SHALL USE THE PERFORMED, IN ACCORDANCE MATERIALS SPECIFICATIONS. IS

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO OIL AND GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGPUPS), 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 (CONTA 1 -330-786-3145 DIRECTLY)

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 STRUCTURES PRIOR TO CONSTRUCTION OF PROPOSED PIPES OR FACILITIES TO VERIFY THE REQUIRED VERTICAL AND HORIZONTAL CLEARANCE IS AVAILABLE, PRIOR TO CONSTRUCTION OF THE PROPOSED FACILITY. IN THE CASE 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.

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

ALL EXISTING MANHOLES, CATCH ADJUSTED TO MATCH THE FINISH

ALL STORM ,PIPES SHALL MEØ1 THE REQUIREMENTS OF ODOT ITEM 611 , OR AS MODIFIED SPECIFIC DETAILS INCLUDED IN THIS PLAN. ACCEPTABLE STORM SEWER MATERIALS SHALL (706.02), HDPE (707.33), OR PVC (707.42,707.43).

ALL STORM SEWER S UNDER PAVE ODOT TYPE D. ALL CULVERTS SH

ALL ROOF DR AIN COLLECTOR S SH MODIFIED BY SPECIFIC DE TAILS IN MATERIALS SHALL BE HOPE (707. 3 INFLUENCE LINE OF THE PAVEMENT DEPTH COMPACTED GRANULAR EMBAINFLUENCE LINE OF THE PAVEMENT DEGREE ANGLE FROM A POINT 2 FER REQUIREMENTS SHALL MEET THE OD SHALL MEET THE REQUIREMENTS OF ODOT ITEM 605, OR AS INCLUDED IN THIS PLAN. ACCEPTABLE

33) OR PVC (707.45).BA CK FILL FOR ALL PIPES WITHIN THE T (STREET,DRIVEWAYS, SIDEWALKS, ETC.) SHALL BE FULL BANKMENT MEETING THE REQUIREMENTS OF ODOT ITEM 611. THE T IS DEFINED AS A LINE EXTENDING DOWNWARD AT A 45 EET BEYOND THE PAVEMENT. COMPACTION AND TESTING DODOT SPECIFICATION.

ALL EXISTING PIPES, ROOF DR AI NOOR FIELD TILES ENCOUNTERED DURING CONNECTED TO THE STORM SEWER SBY THE ENGINEER. . SUMP PUMP CONNECTIONS, N SHALL BE DR AIN COLLECTOR SYSTEM SYSTEM, AS

AT ALL UTILITY CROSSINGS, THE MATERIAL BETWEEN THE PIPES.

STORM SEWER SYSTEM
ALL STORM STRUCTURES SHALL N
CONSTRUCTED PER THE STANDARI
SPECIFIC DETAILS INCLUDED IN T
CONCRETE ONLY. MEET THE REQUIREMENTS OF ODOT ITEM 611 RD DRAWING REFERENCED IN THE PLANS, OR THIS PLAN. ACCEPTABLE MATERIALS SHALL E

STORM GRATES SHALL BE "BICYCLE

ALL UNDERDRAINS SHALL MEET TH SPECIFIC DETAILS INCLUDED IN TI SHALL BE HOPE (707.31) OR PVC

ALL COSTS FOR THE WORK DESC PRICE BID FOR THE VARIOUS CO

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES WHERE PLANS PROV PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LA 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 CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE

NOTIFIED BEFORE STAR TING CONSTRUCTION OF ANY PORTION OF THE. PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATION. DETER MINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER ROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE DEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT SEAFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. FOR ALL OPERATIONS DESCRIBED ABOVE PERTINENT 603 ITEM. SHALL

CONSTRUCTION NOTES FOR SANITARY & STORM SEWER INSTALLATION FLS-1 & STANDARD REFERENCES LISTED BELOW REFER TO CITY OF MASSILLON STANDARD DRAWINGS 1. A) SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE WITH RING-TITE FACTORY INSTALLED RUBBER SEALING RING 2.ASTM C-443) TO DEPTH OF 17 FT.

32. TRANSITIONAL ADAPTERS ARE TO BE USED FROM P VC ADAPTER IS SPECIFIED FITTINGS 581056 SWR . 6" GXGDR18CI FITTINGS WILL NOT BE PERMITTED IN PLACED OF ADAPTERS

C TO D.I.P.

. PREFERRED SINGLE OR EQUAL FERNCO

BMH

COUPLINGS

WHERE THE SANITARY OR STORM LATERAL THE WATERMAIN, D.I.P. CLASS 52 SHALL

IS LESS 1 BE USED.

THAN

 α

FT.IN DEPTH

9

X A D

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

PVC STORM SEWER REPAIR S SHALL BE MADE USING SOLID SLEEVE COUPLINGS ICO FITTINGS.

GREATER 26 THAN ASTM D3034 SHALL SHALL \Box

. CLASS III FOR 18", N APPROVED BY THE RS OR HEAVY LOADS AND LARGER

35. SHOULD EXCAVATION ENCOUNTER EXISTING DRAIN LINES, REPAIR SHA 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-REDUCER AND/OR VARIOUS BENDS TO MAKE THE CONNECTION. FENCES APPLICATION.

WAY LINE, USING MAY BE USED IN

DATE

BE MADE VIA

REVISIONS:

0R

DESCRIPTION

.STORM SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SCHFDULE 35 ASTM 0-RING-TITE FACTORY INSTALLED RUBBER SEALING RING (AS TM C-443) OR RCP, NEOPRENE RUBBER 'O' RING GASKETS.

.THE CITY MAY CONSIDER THE ON SITE USE OF CORRUGATED SMOOTH INTERIOR HOR STORM SEWERS AS SPECIFIED ON SHEET S-18 & S-19.

.MANHOLE TO MANHOLE DISTANCE SHALL NOT EXCEED 400 FEET.

6.WELL POINTS SHALL BE IN STALLED A T 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. 1040 SERIES HEAVY DUTY CASTING. SANITARY MANHOLE LIDS SHALL BE TYPE "A" GASKET SEAL, "WATERTITE" TYPE WITH 'o' RING GASKETING (ASTM C-443) EXCEPTING THAT HEAVY DUTY BOLT DOWN CASTING AND COVER (E.J.I. W. 1040- WT) SHALL BE SUED 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 HAYDITE BRICK & MORTAR. PRECAST IS PREFERED. 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.

. SANITARY SEWERS IN EX CESS OF MANHOLE. (REFERENCE SHEET S-13) REQUIRE

SANITARY AND STORM MANHOLE MANHOLE INSTALLATIONS, SEE SHEET S-13 AND S-14 FOR CONNECTIONS SHALL BE

APPLICATIONS DURING 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 WA Y 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 HARDENED SURFACE SUCH AS AGGREGATE, ASPHALT, CONCRETE BLOCKS WITH GRASS GROWTH OR INFORM ACCEPTABLE TO THE CITY UTILITY DEPARTMENT TO BE DETERMINED AT THE TIME OF PLAN REVIEW. SAID EASEMENTS 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.

21° MANH

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

23. STORM SEWER PVC PIPE CONNECTIONS INTO RCP STORM SHALL BF WIT
TEE OR SOLID CONCRETE BRICK AND MORTAR

24. RCP STORM SEWER CONNECTIONS INTO RCP STORM SHALL BE WITH AN

WHICH

28. MINIMUM OF 6" CLEARANCE SHALL BE MAINTAINED BETWEEN THE CROSSING PIPE.

29. PVC SAN. OR PVC STM. MAINS MAY BE INSTALLED IN A DISTANCE OF 10 FEET EACH SIDE OF THE CROSSING.

THE SAN. LAT , STM. LAT OR SAN., STM. MAIN IS S 52 SHALL BE USED @ 10' EACH SIDE OF THE 150 PSI SHALL BE PROVIDED.

CITY OF MASSILLON CONSTRUCTION STANDARDS AND SPECIFICATIONS;

FOR DEPTHS OF 17 FT. TO 28 SDR

.RCP FOR 12" AND 15" SHALL BE A CLASS IV TYPE. BE CLASS III WITH LOAD BEARING QUALIFICATION IV PIPE SHALL BE USED IN CASES OF DEEP SEWER

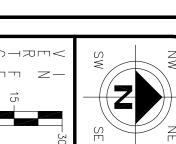
37. UPON REVIEW OF THE CITY ENGINEER , IF AN ATTRACTIVE NUISANCE OR ANY OTHER SAFETY HAZED IS DEEMED TO EXIST, THE USE OF A STEEL SAFETY RACK OR "CHILD PROOF BARS" WILL BE REQUIRED. REFER TO SHEET S-20 FOR DETAILS. 36. WHEN A WATER SERVICE AND /OR GA S SERVICE IS DISTURBED OR DISCONNECTED DURING TRENCH OR SHEETING EXCAVATION, SUCH SERVICES SHALL BE PLANKED USING 2"x8" HARDWOOD MINIMUM, 18" INTO VIRGIN SOIL , EACH END. REFERENCE

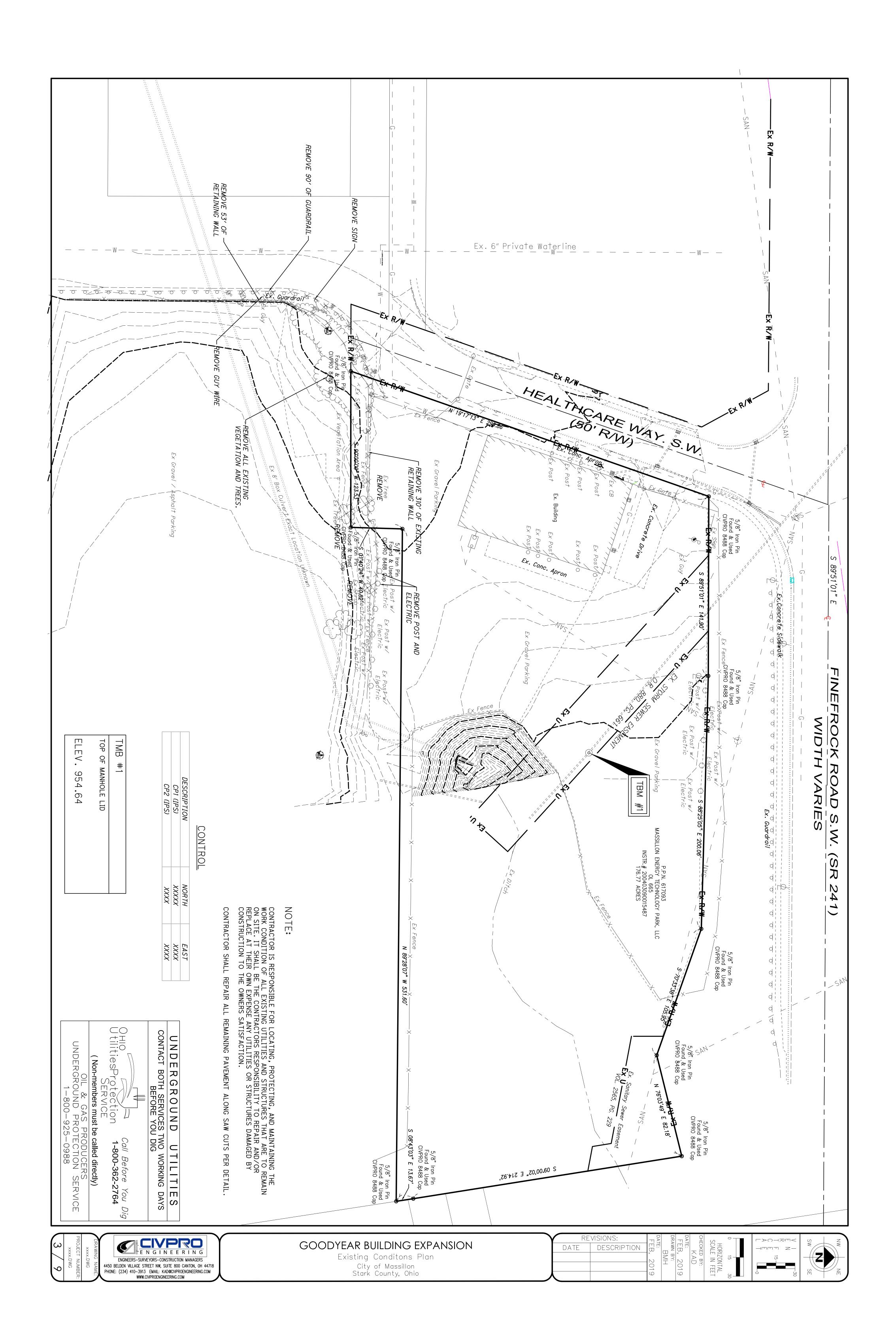
26. CLAY DAM IS TO BE PROVIDED 6 FT. FROM THE LATERAL STORM. 27. CROSSING AS HEREIN DEFINED SHALL OR ANGLE A T THE CROSSING. H OF (9) NINE FEET AT ITS RIGHT OF-WAY TERMINUS LOWEST POINT OF THE BUILDING OR A DEPTH IN YSTEM. BE EITHER PERPENDICULAR TO 유

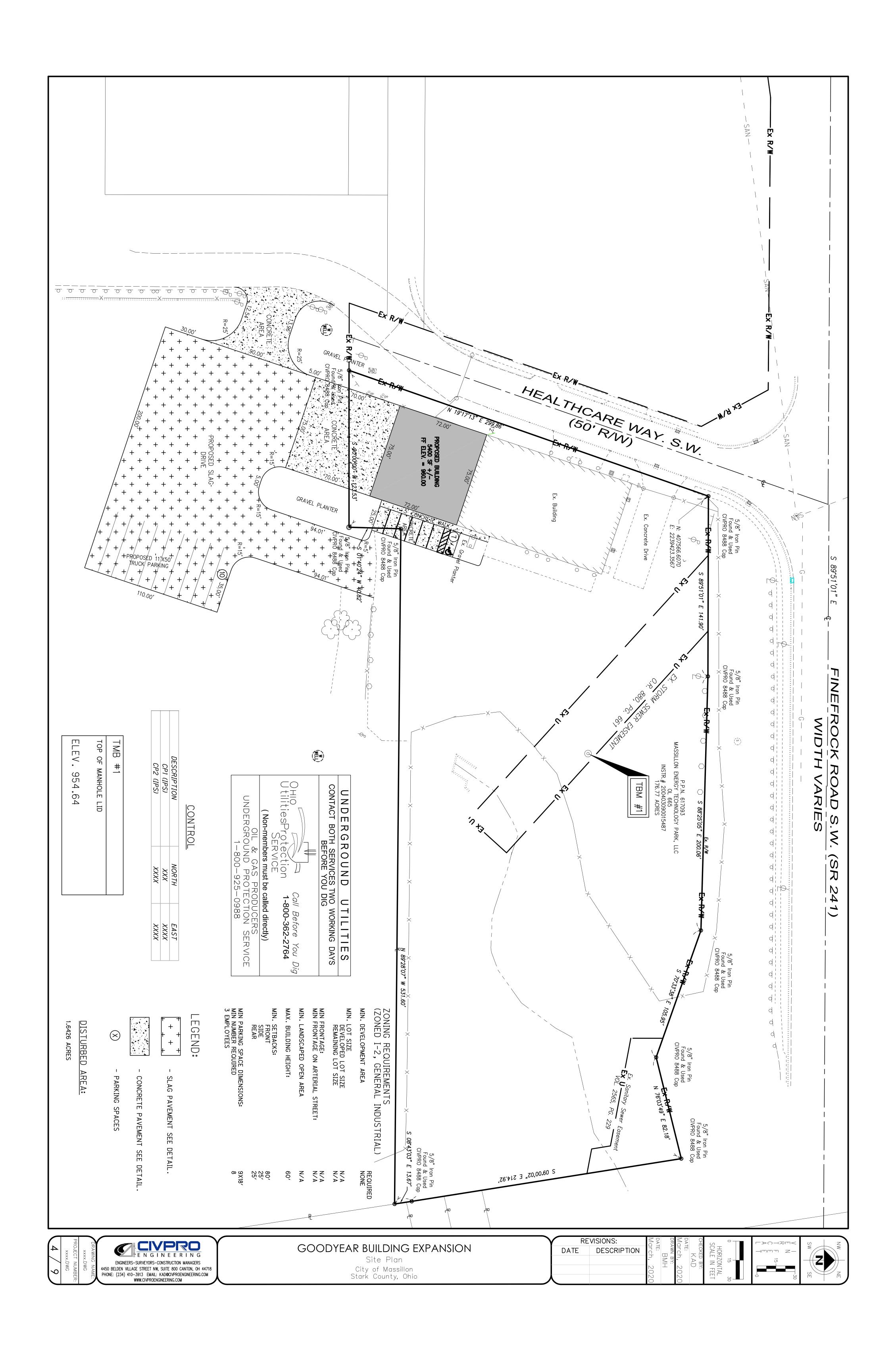
MAIN, HORIZONTAL SCALE IN FEET

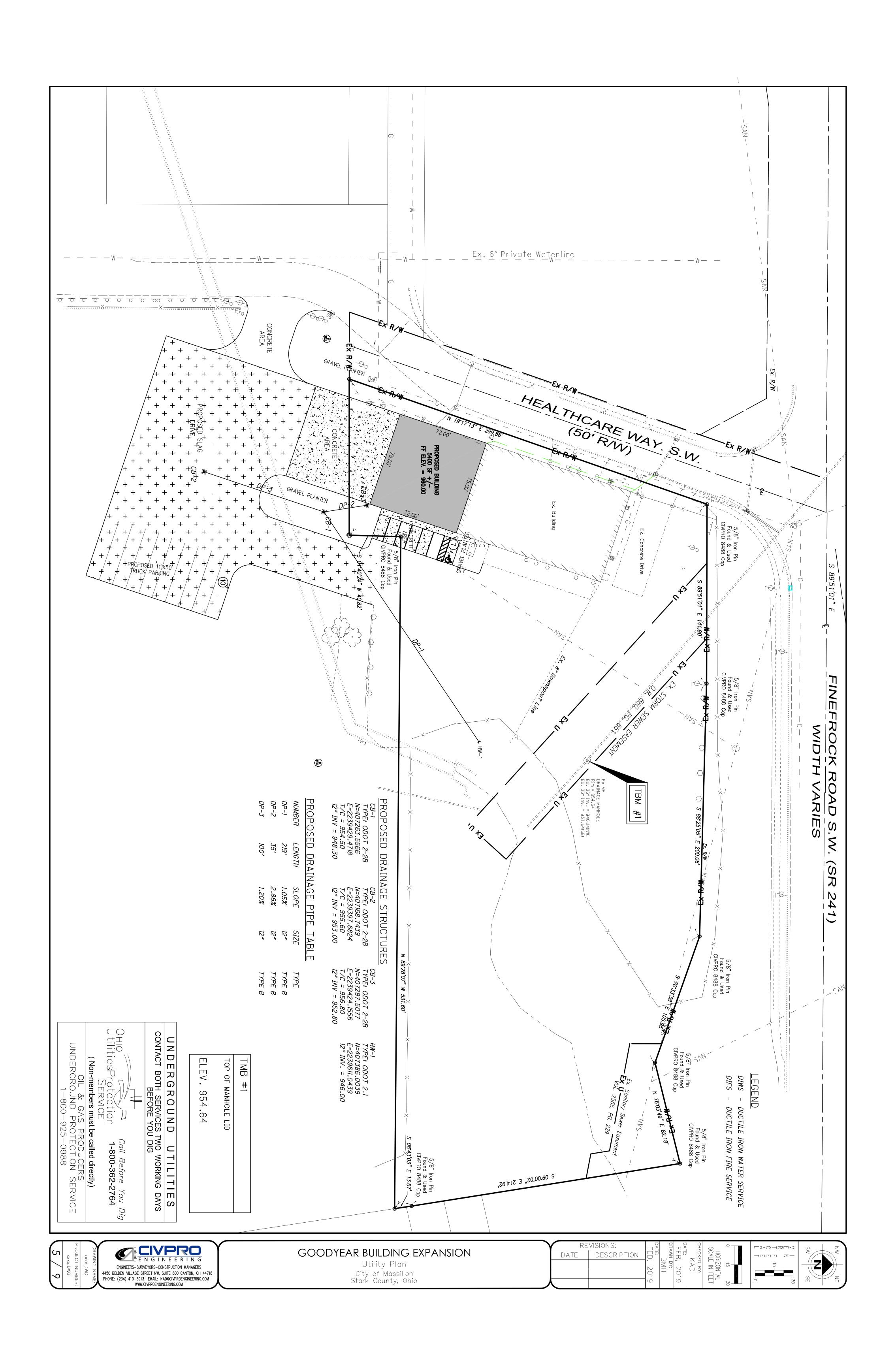
STEEL

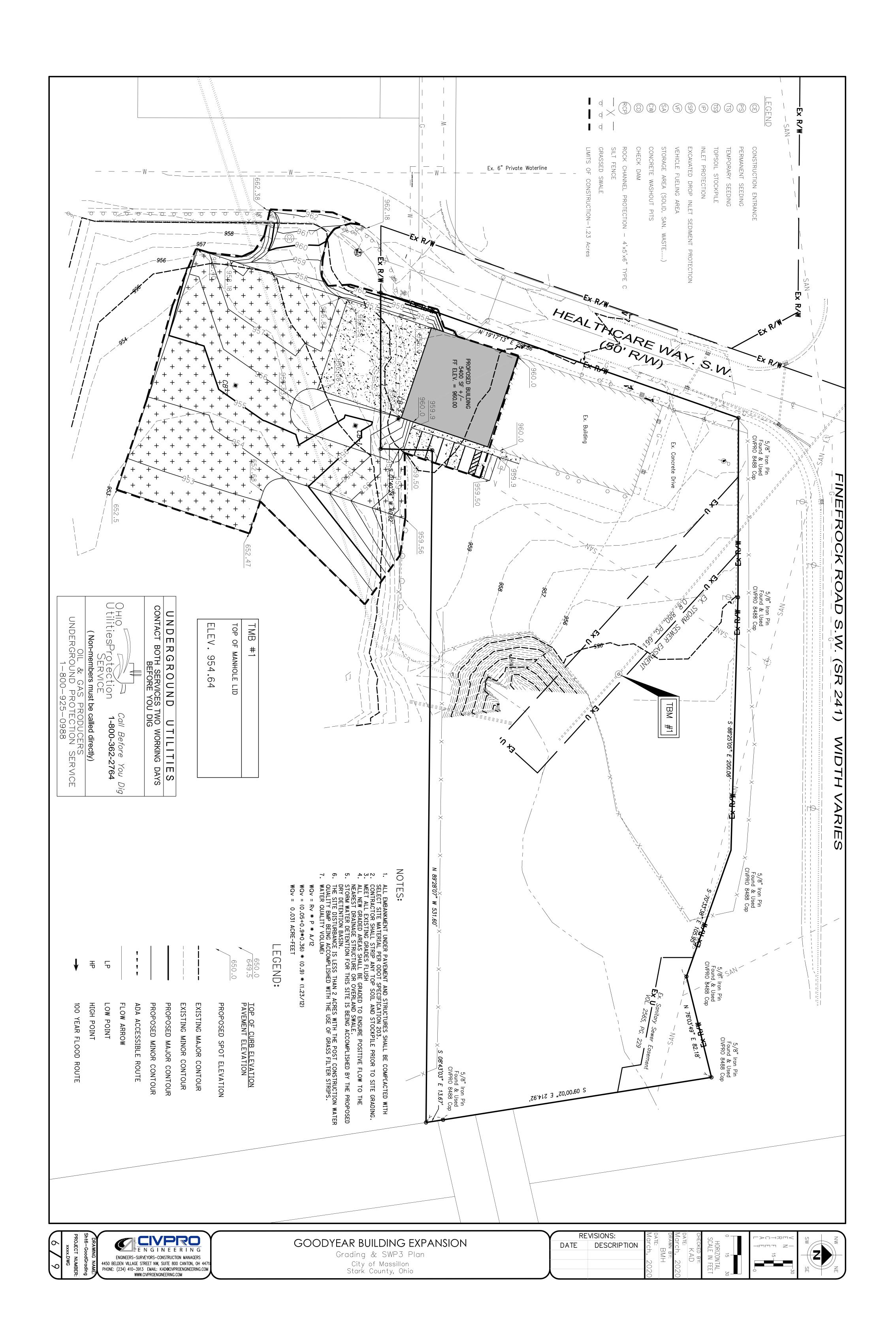
WITHIN



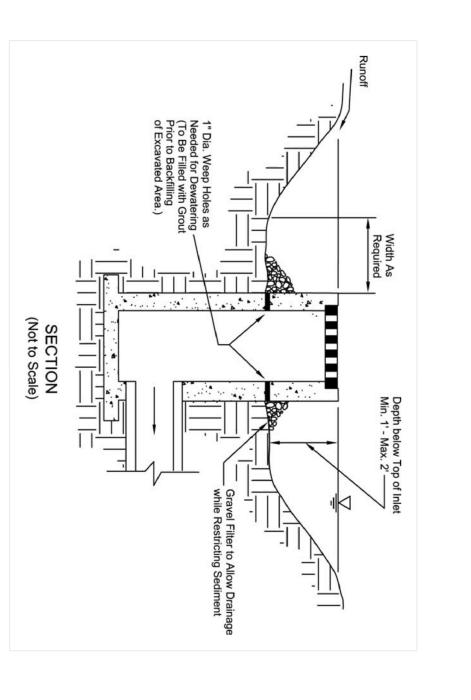








ယ storage capacity calculated at the rate of 135 cubic yards for one (1) acre of drainage area. A trap should be no less than one (1) foot, nor more than two (2) feet deep measured from the top of the inlet structure. Side slopes should not be steeper than 2:1. Where the area receives concentrated flows, such as in a highway median, provide the trap with a shape having a 2:1 ratio of length to width, with the length oriented in the direction of the flow. The slopes of the trap may vary to fit the drainage area and terrain. 5. During final grading, the inlet should be protected with geotextile-stone inlet protection. Once final grading is achieved, sod or a suitable temporary erosion control material shall be implemented to protect the area until permanent vegetation is established.



xcavated Drop Inlet Sediment Protection

REMOVE ACCUMULATED SEDIMENT AND DE SEDIMENT REACHES 25% OF FENCE HEIGH REINSTALL FENCE.

T. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS,

EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.

WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, ACCORDANCE WITH THIS DETAIL.

TWIST, AND STAPLE TO POST IN

MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

CONSTRUCTION SPECIFICATIONS

USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.

NCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.

USE WOOD POSTS $1\frac{3}{4}$ x $1\frac{3}{4}$ \pm $\frac{1}{16}$ INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.

USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.

EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW

SECTIONS (TOP VIEW)

PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION $H\!-\!1$ MATERIALS.

EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND THE SOIL ON BOTH SIDES OF FABRIC.

USE 36 INCH MINIMUM POSTS DRIVEN 16

PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIAL

STEP

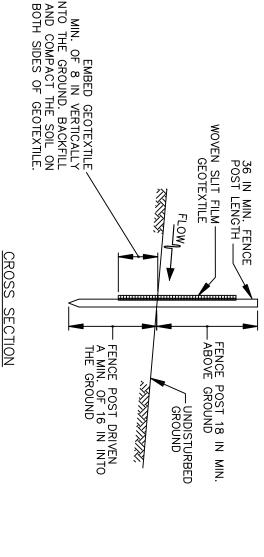
FINAL CONFIGURATION

TWIST POSTS

STEP

PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.

PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 70 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 14 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS. 10 FT MIN. EMBED GEOTEXTILE/ MIN. OF 8 IN VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF GEOTEXTILE.



ELEVATION - L8 IN MIN. DEPTH INTO GROUND

14 FT MIN. WIDTH

PLAN VIEW

RCE

6 FT MAX. CENTER TO CEN 36 IN MIN. FENCE POST LENGTH DRIVEN MIN. 16 IN INTO GROUND MOVEN SLIT FILM GEOTEXT

STANDARD SYMBOI

STANDARD INLET PROTECTION

STANDARD SYMBO

ONSITE

CONCRETE

WASHOUT STRUCTURE

TYPE A MAXIMUM DRAINAGE AREA = 1/4 ACRE

FENCE POSTS

TOP ELEVAT

STABILIZED

CONSTRUCTION ENTRANCE

MOUNTABLE BERM (6 IN MIN.)

EXISTING PAVEMENT

NONWOVEN GEOTEXTILE

MIN. 6 IN OF 2 TO 3 IN AGGREGATE OVER LENGTH AND WIDTH OF ENTRANCE

-EARTH FILL -BE (SEE NOTE 6)

PROFILE

70 FT MIN. LENGTH *

SILT FI ENCE

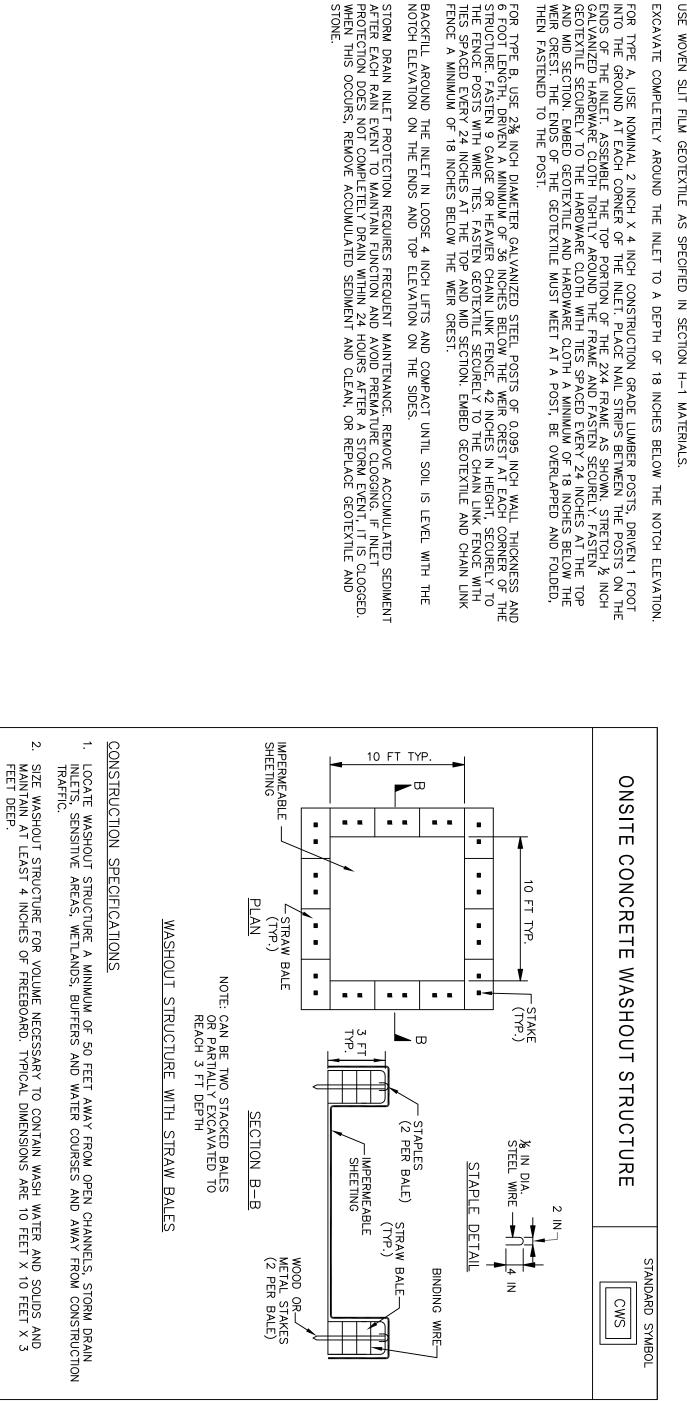
-16 IN MIN. --NOTCH ELEVATION

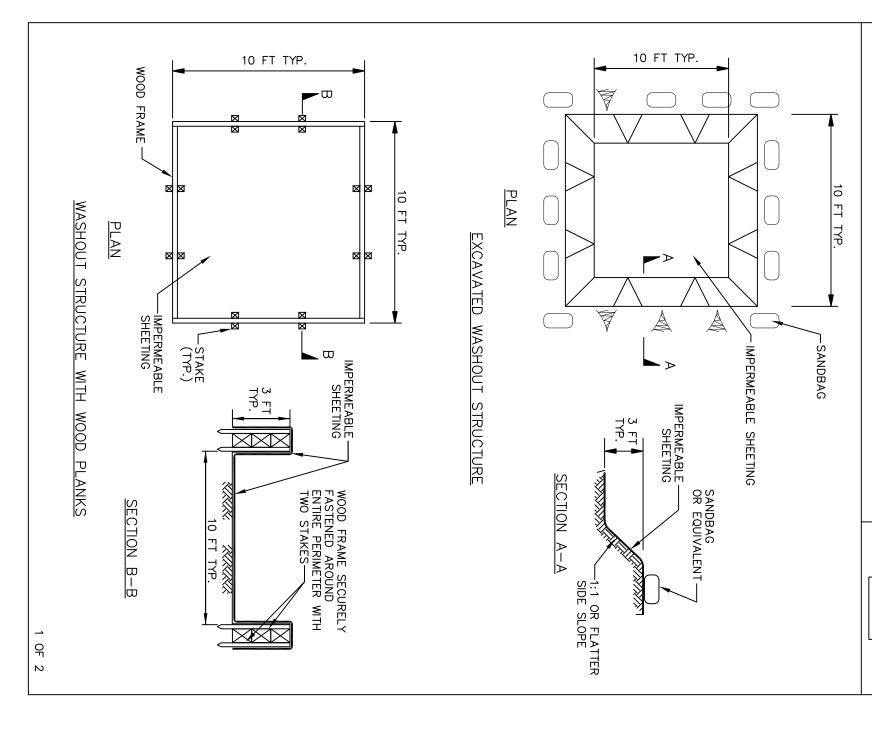
9 GAUGE CHAIN LINK FENCE (TYP.)

36 IN

TYPE SECTION FOR TYPE A AND B ISOMETRIC VIEW EDGE OF ROADWAY OR TOP OF EARTH DIKE 18 IN INTO GROUND 6 IN MIN. EXCAVATE, BACKFILL AND COMPACT EARTH (TYP.) TYPE B

CONSTRUCTION SPECIFICATIONS





4450 BELDEN VILLAGE ST. NW, SUITE 800 CANTON, OH 44718 PHONE: (234) 410-3913 EMAIL: KAD@CIVPROENGINEERING.COM

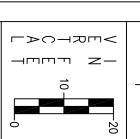
WWW.CIVPROENGINEERING.COM

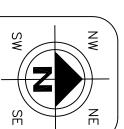
OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE CKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES COMPROMISE IMPERMEABILITY OF THE MATERIAL.

GOODYEAR BUILDING ADDITION SWP3 Notes/Details

REVISIONS: DATE: DESCRIPTION DATE

CHECKED BY: DATE: RAWN BY: HORIZONTAL SCALE IN FEET





GENERAL EROSION AND SEDIMENT CONTROL NOTES

EROSION CONTROL SHALL CONSIST OF TEMPORARY CONTROL MEASURES AS DETAILED ON THE PLANS OR ORDERED BY THE CITY OF MASSILLON EROSION AND SEDIMENTATION THROUGH THE USE OF EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S). DURING THE TERM OF CONSTRUCTION TO CONTROL SOIL

TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS, THE LOCATION AND SIZE OF WHICH ARE DETAILED ON THE PLANS, SHALL BE INSTALLED BY ANY CLEARING OR EARTHVVORK OPERATIONS. CONDITIONS THAT DEVELOP DURING CONSTRUCTION THAT WERE NOT FORSEEN DURING DESI TEMPORARY OR PERMANENT BMP'S SHALL BE APPROVED BY THE DESIGN ENGINEER AND REFLECTED ON THE REVISED SWP3. E CONTRACTOR PRIOR TO THE COMMENCEMENT OF STAGE, THAT REQUIRE ADDITIONAL OR MODIFIED

SEDIMENT PONDS, SEDIMENT TRAPS, AND PERIMETER SEDIMENT CONTROLS, SHALL BE IMPLEMENTED PRIOR TO GRADING AND WITHIN 7 DAYS FR FUNCTION UNTIL THE UP SLOPE DEVELOPMENT AREAS ARE RE-ESTABLISHED WITH VEGETATION. SEDIMENT CONTROLS SHALL NOT BE PLACED IN A THE START OF GRUBBING. THEY SHALL CONTINUE TO

TRENCH DEWATERING OR GROUND WATER, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG, OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATER SHALL NOT BE DISCHARGED SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY TO STREAMS, WATER RESOURCES, OR THE STORM

THE SWP3, NOTES AND DETAILED DRAWINGS ARE INTENDED TO SERVE AS BASIC GUIDELINES. ALL EROSION AND SEDIMENT CONTROL PRACTICES S OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) RAINWATER AND LAND DEVELOPMENT MANUAL. HALL MEET THE STANDARDS AND SPECIFICATIONS OF THE

ADDITIONAL EROSION AND SEDIMENT CONTROL BMP'S MAY BE REQUIRED BY THE CITY OF MASSILLON AS UNFORSEEN SITUATIONS MAY ARISE CONTROL PRACTICES.

CLEARING AND GRUBBING

CLEARING AND GRADING SHALL BE CLEARLY MARKED ON THE SITE WITH SIGNAGE, FLAGGING AND/OR ORANGE CONSTRUCTION FENCING.

THE CONTRACTOR SHALL LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY EXCAVATION, BORROW AND FILL OPERATIONS CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS, WATER RESOURCES, WETLANDS, OR OTHER AREAS OF WATER IMPOU AND PROVIDE I **IMMEDIATE PERMANENT** Я Я

CONSTRUCTION ENTRANCE

A STONED CONSTRUCTION ENTRANCE SHALL BE INSTALLED FOR ALL INGRESS AND EGRESS TO THE SITE. THE MINIMUM DIMENSIONS OF THE SHALL BE 6 INCHES DEEP WITH AN UNDERLAIN GEOTEXTILE FABRIC. THE DRIVE SHALL BE INSTALLED PRIOR TO ANY CLEARING AND GRUBBING. OR MORE FREQUENTLY IF REQUIRED BY LORAIN COUNTY. SEI IVE SHALL BE 14 FEET WIDE BY 70 FEET LONG. THE S DIMENTS SHALL BE REMOVED FROM THE ROADWAY STONE Y DAILY

STABILIZATION

PERMANENT AND TEMPORARY STABILIZATION SHALL OCCUR AS REQUIRED IN THE FOLLOWING TABLES:

TABLE 1 · PERMANENT STABILIZATION

PERMANENT STABILIZATION	TABILIZATION
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROL
ANY AREA THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREA WITHIN 50 FT. OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN 2 DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN 7 DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TEMPORARY SEEDING

SEEDED AREAS SHALL BE INSPECTED AND WHERE CONDITIONS PROHIBIT SEEDING. THE SEED HAS NOT PRODUCED 80% COVER SHALL ΒE RESEEDED BY THE CONTRACTOR. **STABILIZED MIIM** STRAW WHEN

STRAW MULCH SHALL BE APPLIED AT A RATE OF 2-3 STANDARD 45 LB. BALES PER 1000 SQ. FT OF DISTURBED AREA OR 2 TONS PER ACRE ALL HYDROSEEDING ABOVE SPECIFICATIONS UNLESS IT IS WATERED WEEKLY STRAW MULCHED

ALL DETENTION PONDS. RETENTION PONDS, WITHIN 7 DAYS OF COMPLETED CONSTRUCTION RETENTION PONDS, WATER QUAIITY STRUCTURES, П

	DISTURBED AREAS THAT WILL REMAIN IDLE OVER WINTER OR 2	FOR ALL CONSTRUCT/ON ACTIVITIES, ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL WITH BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN 1 YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE.	ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE 14 DAYS	AREA REQUIRING PERMANENT STABILIZATION	TEMPORARY STABILIZATION
NOTE WHERE NECETATIVE STABILIZATION TECHNIQUES ARE UNORTAINARIE DUE TO INSTABILITY EROSION MATTING MAY BE USED	PRIOR TO THE ONSET OF WINTER WEATHER (NOV 1) STRAW MULCH 2-3 BALES PER 1000 SQ FT OR 2 TONS PER ACRE.	WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA.	WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS	TIME FRAME TO APPLY EROSION CONTROL	IZATION

PERMANENT STABILIZATION OF CONVEYANCE CHANNELS

THE CONTRACTOR SHALL UNDERTAKE SPECIAL MEASURES TO STABILIZE CHANNELS AND OUTFALLS AND PREVENT EROSIVE FLOWS. MEASURES MAY EROSION CONTROL MATTING, SODDING, RIPRAP. NATURAL CHANNEL DESIGN WITH BIO-ENGINEERING TECHNIQUES. OR ROCK CHECK DAMS, ALL AS RAINWATER AND LAND DEVELOPMENT MANUAL PUBLISHED BY ODNR. INCLUDE SEEDING, DORMANT SEEDING, MULCHING, DEFINED IN THE MOST RECENT EDITION OF THE

SOIL TRANSPORT ONTO PUBLIC ROADS

WHERE SOIL IS TRANSPORTED ONTO PUBLIC ROAD SURFACES, THE ROADS SHALL BE CLEANED THOROUGHLY BY EITHER SWEEPING OR SCRAPING AT THE END OF EACH WORK DAY OR MORE FREQUENTLY IF NEEDED IN ORDER TO ENSURE PUBLIC SAFETY. STREET WASHING IS NOT PERMITTED. IF APPLICABLE, THE CATCH BASINS NEAREST TO THE CONSTRUCTION ENTRANCE SHALL BE CLEANED WEEKLY.

ADDITIONAL REQUIREMENTS TO CONTROL SOIL TRANSPORT ONTO PUBLIC ROADS MAY INCLUDE

- SILT FENCE OR CONSTRUCTION FENCE INSTALLED AROUND THE PERIMETER OF THE DEVELOPMENT AREA TO ENSURE ALL VEHICLE TRAFFIC A DHERES TO DESIGNATED CONSTRUCTION ENTRANCES.
- DESIGNATED WHEEL WASHING AREAS. WASH WATER FROM THESE AREAS MUST BE DIRECTED TO A DESIGNATED SEDIMENT TRAP, SEDIMENT SETTLING POND, OR TO A DEWATERING SUMP PIT.

ERODIBLE MATERIAL RAMPS IN STREETS TO ENABLE EQUIPMENT TO CROSS CURBS SHALL BE PROPERLY REMOVED IMMEDIATELY AFTER USE.

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FENCE AND **DIVERSIONS**

TRANSPORTED VIA SHEET FLOW. EPA PERMIT No. NENUDED AREAS SHALL BE INTERCEPTED BY SILT FENCE OR DIVERSIONS TO WHERE INTENDED TO PROVIDE SEDIMENT CONTROL, SILT FENCE SHALL BE PLODES NOT PRECLUDE THE USE OF OTHER SEDIMENT BARRIERS DESIGNED TO C TO PROTECT ADJACENT PROPERTIES, WATER RESOURCES, AND WETLANDS FROM SEDIM PLACED ON A LEVEL CONTOUR AND SHALL BE CAPABLE OF TEMPORARILY PONDING RUNOFF. SEDIMENT

STORM WATER DIVERSION PRACTICES SHALL BE USED TO KEEP RUNOFF AWAY FROM DISTURBED AREAS AND WATER RUNOFF FROM AREAS UP *TO* 10 ACRES. STEEP SLOPES. SUCH DEVICES. WHICH INCLUDE SWALES, DIKES OR BERMS, MAY RECEIVE STORM

INLET PROTECTION

INLET PROTECTION IS MANDATORY. INLET PROTECTION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST INLETS RECEIVING RUNOFF FROM DRAINAGE AREAS OF ONE OR MORE ACRES WILL REQUIRE A SEDIMENT SETTLING POND. STRAW OR HAY BALES ARE NOT AND LAND DEVELOPMENT MANUAL BY ODNR. ACCEPTABLE FORMS OF INLET PROTECTION.

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NON-SEDIMENT POLLUTANTS CONTROLS

NO SOLID OR LIQUID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED IN STORM WATER NON-SEDIMENT POLLUTANTS TO THE DRAINAGE SYSTEM OF THE SITE, WATER RESOURCES, OR WETLANDS. (CHANNEL, STREET, STORM SEWER. OR OTHER PUBLIC FACILITY OR NATURAL RESOURCE. EXPOSURE OF WASTE N R RUNOFF. ALL NECESSARY BMP'S MUST BE IMPLEMENTED TO PREVENT THE DISCHARGE OF UNDER NO CIRCUMSTANCE SHALL CONCRETE TRUCKS WASH OUT DIRECTLY INTO A DRAINAGE MATERIALS TO STORM WATER IS NOT PERMITTED.

RENCH AND GROUNDWATER CONTROL

THERE SHALL BE NO SEDIMENT LADEN OR TURBID DISCHARGES TO WATER RESOURCES OR WETLANDS RESULTING FROM DEWATERING ACTIVITIES. IF TRENCH OR GROUND WATER CONTAINS SEDIMENT, IT MUST PASS THROUGH A SEDIMENT SETTLING POND OR OTHER EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE PRIOR TO BEING DISCHARGED FROM THE CONSTRUCTION SITE. ALTERNATIVELY, SEDIMENT MAY BE REMOVED BE SETTLING IN PLACE OR BY DEWATERING INTO A SUMP PIT, FILTER BAG, OR COMPARABLE PRACTICE. GROUND WATER DEWATERING WHICH DOES NOT CONTAIN SEDIMENT OR OTHER POLLUTANTS IS NOT REQUIRED TO BE TREATED PRIOR TO DISCHARGE. HOWEVER, CARE MUST BE TAKEN WHEN DISCHARGING GROUND WATER TO ENSURE THAT IT DOES NOT BECOME POLLUTANT LADEN BY TRAVERSING OVER DISTURBED SOILS OR OTHER POLLUTANT LADEN BY

INSPECTION

ALL CONTROLS ON THE SITE SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN ONE-HALF INCH OF RAIN PER 24 HOUR PERIOD. THE CONTRACTOR SHALL ASSIGN QUALIFIED INSPECTION PERSONNEL TO CONDUCT THESE INSPECTIONS TO ENSURE THAT THE CONTROL PRACTICES ARE FUNCTIONAL AND TO EVALUATE WHETHER THE SWP3 IS ADEQUATE, OR WHETHER ADDITIONAL CONTROL MEASURES ARE REQUIRED. QUALIFIED INSPECTION PERSONNEL ARE INDIVIDIUALS WITH KNOWLEDGE AND EXPERIENCE IN THE INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROLS.

REVISIONS:

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DESCRIPTION

INSPECTIONS SHALL MEET THE FOLLOWING REQUIREMENTS:

- DRAINAGE SYSTEM. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED **PRECIPITATION** SHALL BE INSPECTED FOR EVIDENCE OF OR. HE POTENTIAL FOR, **POLLUTANTS** ENTERING
- EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE SWP3 SHALL BE OBSERVED FORM ACCEPTABLE TO THE CITY OF MASSILLON. THE INSPECTION FORM SHALL INCLUDE: **ENSURE THAT THEY** ARE **OPERATING** CORRECTLY THE CONTRACTOR SHALL UTILIZE AN INSPECTION
- THE INSPECTION DATE

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- NAMES, TITLES AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION.
- WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION, INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT AND APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT IN INCHES, AND WHETHER ANY DISCHARGES OCCURRED.

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- DISCHARGES FROM SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

 BMP'S THAT NEED TO BE MAINTAINED.

 BMP'S THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION.

 WHERE ADDITIONAL BMP'S ARE NEEDED THAT DID NOT EXIST AT THE TIME OF THE INSPECTION.

 CORRECTIVE ACTION REQUIRED INCLUDING ANY NECESSARY CHANGES TO THE SWP3 AND IMPLEMENTATION DATES.
- DISCHARGE LOCATIONS SHALL BE INSPECTED TO DETERMINE WHETHER EROSION AND SEDIMENT CONTROL WATER RESOURCE OR WETLANDS. MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS O ΞE RECEIVING
- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE VEHICLE TRACKING
- THE PERMIT APPLICANT SHALL MAINTAIN FOR 3 YEARS FOLLOWING FINAL STABILIZATION THE RESULT INSPECTIONS, THE DATES OF THE INSPECTIONS, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENT. THE SWP3, AND INFORMATION ON ANY INCIDENTS OF NON-COMPLIANCE DETERMINED BY THESE INSPE FATION OF ECTIONS. E S OF THESE INSPECTIONS, THE NAMES AND QUALIFICATIONS OF THE PERSONNEL MAKING THE ATION OF THE SWP3, A CERTIFICATION AS TO WHETHER THE FACILITY IS IN COMPLIANCE WITH ECTIONS. EMAIL WEEKLY REPORTS TO BORCHERDS@CVELIMITED.COM

MAINTENANC

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ALL CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION UNTIL FINAL STABILIZATION. ALL SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED IN A FUNCTIONAL CONDITION UNTIL ALL UP SLOPE AREAS THEY CONTROL REACH FINAL STABILIZATION THE CONTRACTOR SHALL COMPLY WITH THE MAINTENANCE SCHEDULE CONTAINING THE APPROVED PLANS FOR THE PROPOSED EROSION CONTROLS. A WRITTEN DOCUMENT CONTAINING THE SIGNATURES OF ALL CONTRACTORS AND SUB-CONTRACTORS INVOLVED IN THE IMPLEMENTATION OF THE BMP'S SHALL BE MAINTAINED AT THE JOB SITE AS PROOF ACKNOWLEDGING THAT THEY HAVE REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF

WHEN INSPECTIONS REVEAL THE NEED FOR REPAIR, REPLACEMENT, OR INSTALLATION OF EROSION AND SEDIN MENT CONTROL BMP'S, THE FOLLOWING PROCEDURES SHALL BE FOLLOWED:

- WHEN PRACTICES REQUIRE REPAIR OR MAINTENANCE CONTROL PRACTICES IN NEED OF REPAIR OR MAINTENANCE, MAINTAINED WITHIN 3 DAYS OF THE INSPECTION. SEDIMENT SETTLING PONDS MUST BE REPAIRED OR MAINTAINED OR MAINTAINED WITHIN 10 DAYS OF THE INSPECTION WITH THE EXCEPTION OF A SEDIMENT SETTLING POND, MUST ВE REPAIRED
- WHEN PRACTICES FAIL TO PROVIDE THEIR INTENDED FUNCTION: CONTROL PRACTICES THAT FAIL TO PEFANOTHER MORE APPROPRIATE CONTROL WITHIN 10 DAYS. THE SWP3 SHALL BE AMENDED TO SHOW THE TE NEW CONTROL PRACTICE RFORM THEIR INTENDED FUNCTION AS DETAILED IN THE SWP3 SHALL BE REPLACED
- WHEN PRACTICES ON THE SWP3 ARE NOT INSTALLED: CONTROL PRACTICES REQUIRED BY THE SWP3 BUT NOT IMPLEMENTED AT THE TIME OF THE INSPECTION OF THE INSPECTION. IF THE PLANNED CONTROL IS NOT NEEDED, AN EXPLANATION AS TO WHY THE CONTROL IS NOT NEEDED SHALL BE ADDED TO THE SWP3. SHALL BΕ INSTALLED WITHIN 10 DAYS

WASTE **DISPOSAL**

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A COVERED DUMPSTER SHALL BE MADE AVAILABLE FOR THE PROPER DISPOSAL OF GARBAGE, PLASTER, DRYW ALL WASTE MATERIAL INCLUDING TOXIC OR HAZARDOUS WASTE SHALL BE DISPOSED OF AT FACILITIES APPROV ALL, GROUT, GYPSUM, AND OTHER WASTE MATERIALS. VED FOR THE PERTINENT MATERIAL. ALL CONTAINERS MUST BE LEAK PROOF







DRAWING

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CLEAN HARD FILL

BRICKS, HARDENING CONCRETE. AND SOIL WASTE SHALL BE FREE FROM CONTAMINATION WHICH MAY LEACH CONSTITUENTS TO WA WILL BE DISPOSED OF INTO THE PROPERTY SHALL BE SUBJECT TO ANY LOCAL PROHIBITIONS FROM THIS TYPE OF DISPOSAL. TER RESOURCES OR WETLANDS CLEAN CONSTRUCTION WASTES THAT

CONSTRUCTION AND DEMOLITION DEBRIS (C&DD)

ALL C&DD SHALL BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY OHIO REVISED CODE (ORC) 3714. MATERIALS WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS (SEE OHIO ADMINISTRATIVE CODE (OAC) 3745-20).

CONSTRUCTION CHEMICAL COMPOUNDS

AREAS SHALL BE DESIGNATED FOR THE MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZERS, LIME, ASPHALT, OR CONCRETE. THESE DESIGNATED AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS, OR OTHER STORM WATER DRAINAGE AREAS.

EQUIPMENT FUELING AND MAINTENANCE

ALL FUEL/LIQUID TANKS AND DRUMS SHALL BE STORED IN A MARKED STORAGE AREA. SECONDARY CONTAINMENT SHALL BE PROMINITENANCE SHALL OCCUR IN DESIGNATED AREAS. THESE DESIGNATED AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DR OVIDED FOR ALL FUEL OIL STORAGE TANKS. VEHICLE FUELING AND AINAGE DITCHES. FIELD DRAINS, OR OTHER STORM WATER DRAINAGE

SPILL PREVENTION CONTROL AND COUNTERMEASURES

A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN MUST BE DEVELOPED FOR SITES WITH ONE ABOVE GROUND STORAGE OF 1330 GALLONS, OR BELOW GROUND STORAGE OF 42,000 GALLONS OF FUEL. RAGE TANK OF 660 GALLONS OR MORE, TOTAL ABOVE GROUND TANK

CONCRETE WASH WATERS

CONCRETE CHUTE OR OTHER CONCRETE WASH WATERS SHALL BE DISCHARGED INTO DESIGNATED AREAS ONLY. DESIGNATED AREAS SHALL BE IDENTIFIED WITH SIGNAGE AND LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES. FIELD DRAINS. OR OTHER STORM WATER DRAINAGE AREAS. CONTAMINATED SOILS

SPILL REPORTING REQUIREMENTS

ALL CONTAMINATED SOILS MUST BE TREATED AND/OR DISPOSED IN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITIES OF (TSDFs). RUNOFF FROM CONTAMINATED SOILS SHALL NOT BE DISCHARGED FROM THE SITE. PROPER PERMITS SHALL BE OBTAINED REDEVELOPMENT SITES. R HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITIES FOR DEVELOPMENT PROJECTS ON SOLID WASTE LANDFILL SITES OR

IN THE EVENT OF A LARGER RELEASE (25 OR MORE GALLONS) OF

IN THE EVENT OF A SMALL RELEASE (LESS THAN 25 GALLONS) OF PETROLEUM WASTE. THE LOCAL FIRE DEPARTMENT SHALL BE CONTACTED. PETROLEUM WASTE, CONTACT OHIO EPA AT 1-800-282-9378, AND THE LOCAL FIRE DEPARTMENT.

OPEN BURNING IS NOT PERMITTED. **OPEN BURNING**

DUST CONTROLS AND SUPPRESSANTS

USED OIL SHALL NOT BE USED AS A DUST SUPPRESSANT. DUST CONTROLS MAY INCLUDE THE USE OF WATER TRUCKS TO WET DISTURBED AREAS, TARPING STOCKPILES, TEMPORARY STABILIZATION OF DISTURBED AREAS, AND REGULATION OF THE SPEED OF VEHICLES ON THE SITE.

STREAM CROSSINGS

STREAM CROSSINGS SHALL BE CONSTRUCTED ENTIRELY OF STONE, ROCK, OR CLEAN RECYCLED CONCRETE. SOIL OR EARTHEN MATERIAL STREAM SHALL BE CONSTRUCTED TO PREVENT LOCALIZED SEDIMENTATION. THE CHANNEL BED AND BANKS SHALL BE RESTORED, AND SHALL BE STABILIZED WITH SEED AND STRAW MULCH WITHIN 2 DAYS OF THE DISTURBANCE.

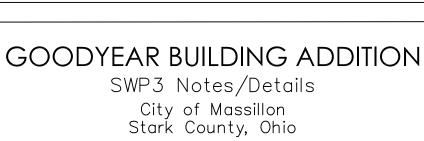
SEEDING AND MULCHING

SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND MULCHING UPON COMPLETION OF EXCAVATION OR FILL AND FINISHED GRADING IN ITEM 659 OR AS DIRECTED BY THE ENGINEER. THE FOLLOWING MIXTURES SHALL BE USED FOR SEEDING:

STRAW - 2 TONS/ACRE	10-20-10@20 LBS./1000 SQ FT	2.02 LBS./1000 SQ FT	ANNUAL RYEGRASS
HOTOM	FERTILIZER	SEEDING RATE	SEED MIX
	TEMPORARY EROSION CONTROL (ODOT 659.09, CLASS 7)	TEMPORARY EROSION C	
		0.3 LBS./1000 SQ FT	ANNUAL RYEGRASS
		1.8 LBS./1000 SQ FT	PERENNIAL RYEGRASS
MULCH	FERTILIZER	SEEDING RATE	SEED MIX
AN 3 1 (ODOT 659.09, CLASS 3C)	STEEP BANKS, CUT SLOPES, DETENTION AREAS, WHERE SLOPES ARE STEEPER THAN 3 1	S, DETENTION AREAS, WHE	STEEP BANKS, CUT SLOPE
		1.5 LBS./1000 SQ FT	KENTUCKY BLUEGRASS
		2.0 LBS./1000 SQ FT	KENTUCKY 31 FESCUE
STRAW - 2 TONS/ACRE	10-20-10@20 LBS./1000 SQ FT	1.5 LBS./1000 SQ FT	PERENNIAL RYEGRASS
MULCH	FERTILIZER	SEEDING RATE	SEED MIX
	ROADSIDE DITCHES AND SWALES (ODOT 659.09, CLASS 2)	ROADSIDE DITCHES AND	
		2 LBS./1000 SQ FT	PERENNIAL RYEGRASS
		2 LBS./1000 SQ FT	ANNUAL RYEGRASS
		3 LBS./1000 SQ FT	CREEPING RED FESCUE
STRAW - 2 TONS/ACRE	10-20-10@20 LBS./1000 SQ FT	3 LBS./1000 SQ FT	KENTUCKY BLUEGRASS
MULCH	FERTILIZER	SEEDING RATE	SEED MIX
	GENERAL USE (ODOT 659 09, CLASS 1)	GENERAL USE (

/ACRE				SS 3C)		ACRE				ACRE	
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