

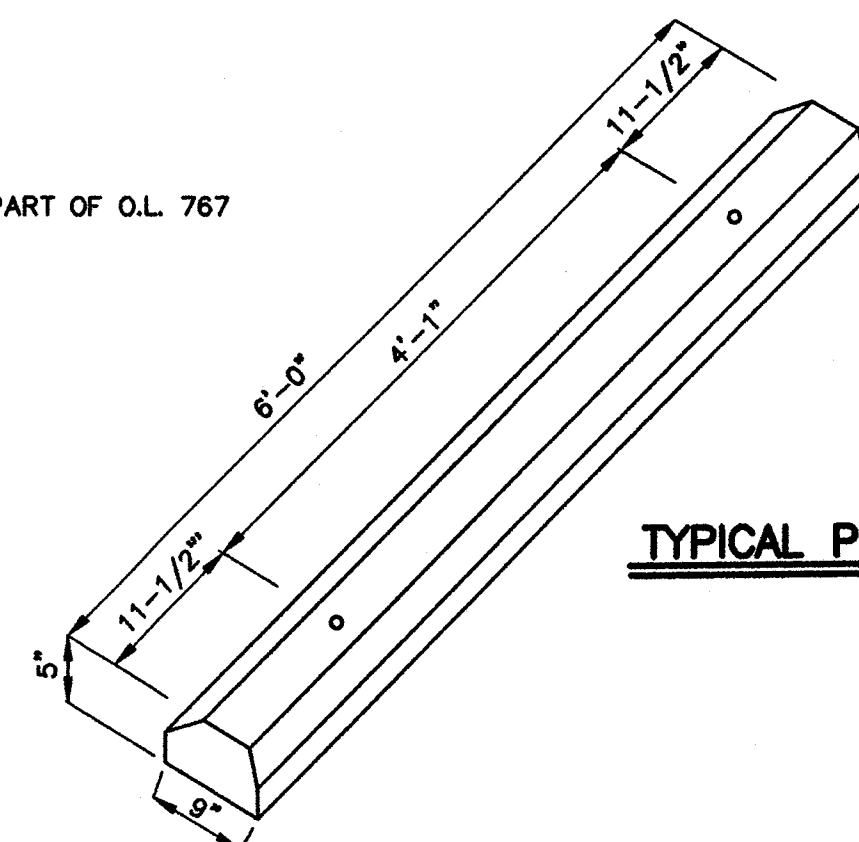
(A) ITEM 411 OR 304, 10" AGGREGATE BASE

(B) TAPER CURB FROM 6" TO 0"



TYPICAL PRECAST PARKING CURB STOP DETAIL

NO SCALE



ACREAGE: 6.325 ACRES

SUBJECT PROPERTY ZONED: O-1 OFFICE
ADJOINING PROPERTIES ZONED: I-1 LIGHT INDUSTRIAL

BUILDING SETBACKS:
FRONT: 20'
SIDE: 15'
REAR: 20'

DEED RESTRICTIONS:
FRONT: 50'
SIDE: 20'

MAX. BUILDING HEIGHT: 30'

PARKING REQUIRED:
1 SPACE PER SIX SEATS
FIXED SEATS = 458
 $458/6 = 77$ SPACES

PARKING PROVIDED:
213 REGULAR SPACES (9' X 20')
8 HANDICAP SPACES
221 TOTAL SPACES (DOES NOT INCLUDE 100 SPACES IN LOT 10)

(DOES NOT INCLUDE
FUTURE PARKING)

REVISION BY: _____ DATE: _____ DESCRIPTION: _____
 REVISION BY: _____ DATE: _____ DESCRIPTION: _____
 REVISION BY: _____ DATE: _____ DESCRIPTION: _____
 REVISION BY: _____ DATE: _____ DESCRIPTION: _____
 REVISION BY: _____ DATE: _____ DESCRIPTION: _____

DESIGNED BY: JDS CHECKED BY: E
DRAWN BY: LJP REVIEWED BY: E
F.B. _____ PAGE: _____
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SCALE:
1"=40'

SITE DIMENSION PLAN

ANCHOR BAPTIST CHURCH — RICHVILLE DRIVE S.E.
SITUATED IN THE CITY OF MASSILLON, COUNTY OF STARK,
STATE OF OHIO AND BEING OUTLOT 898

HAMMONTREE & ASSOCIATES, LTD.
ENGINEERS, PLANNERS, SURVEYORS
CANTON PITTSBURGH AKRON
5233 STONEHAM ROAD, NORTH CANTON, OHIO 44720
PHONE: CANTON: (330)/499-8817 AKRON: (330)/633-7274
TOLL FREE: 1-800-394-8817 FAX: (330)/499-0149



L=231.16'
R=460.00'
 $\Delta=28^{\circ}47'33''$
C=228.74'
B=N $78^{\circ}22'29''$ E
T=118.08'

L=62.83'
R=40.00'
 $\Delta=90^{\circ}00'00''$
C=56.57'
B=N 18°58'42" E
T=40.00'

* FROM NOVA EAST INDUSTRIAL
PARK PLANS DATED 9/8/98

NOTE:
SURVEY, TOPOGRAPHIC & UTILITY INFORMATION SUPPLIED
BY OWNER FROM A SURVEY BY BRADLEY K. HARPER, P.S.
DATED 4/02.

1) ITEM 404	1-1/2" ASPHALT CONCRETE
2) ITEM 301	3" BITUMINOUS AGGREGATE BASE
3) ITEM 304	6" AGGREGATE BASE (2-3" LIFTS)
4) ITEM 203.13	COMPACTED SUBGRADE
5) ITEM 408	PRIME COAT TO BE APPLIED AT THE RATE OF 0.4 GAL./SQ. YD.
6) ITEM 407	TACK COAT TO BE APPLIED AT THE RATE OF 0.4 GAL./SQ. YD.

ALL ITEMS FROM STATE OF OHIO DEPARTMENT OF
TRANSPORTATION, CONSTRUCTION & MATERIAL
SPECIFICATIONS, JAN. 1, 1997.

ASPHALT PAVEMENT SECTION DETAIL

NTS

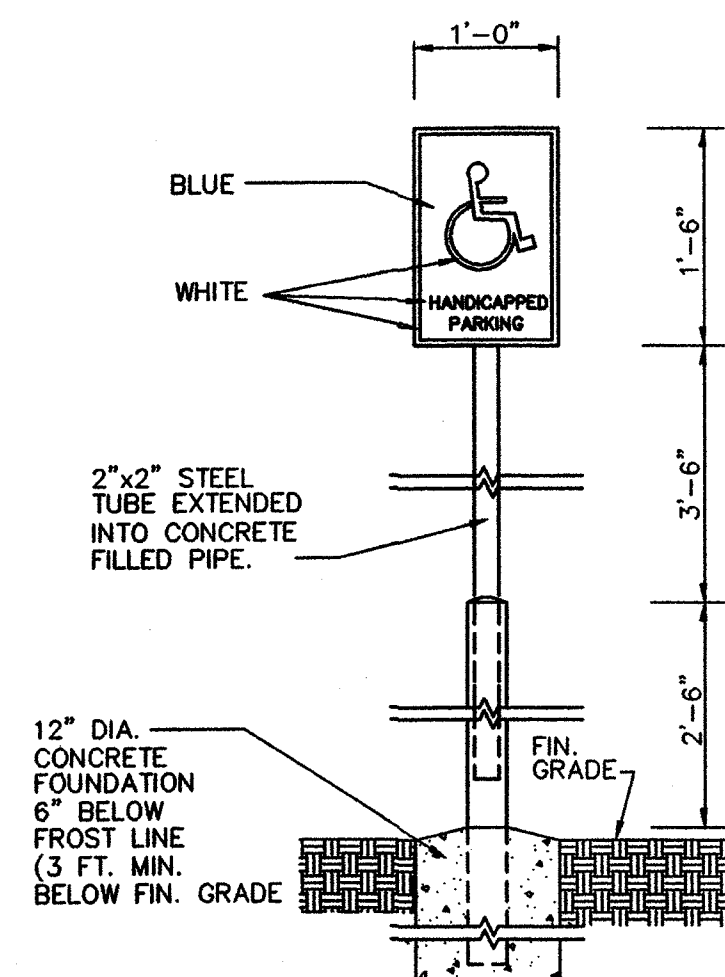
NOTES:


1. SIGNS ARE TO CONFORM WITH THE SPECIFICATIONS FROM THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES.
2. SIGNS WILL BE MOUNTED ON GALVANIZED POLES OR ON WALL (WHERE APPLICABLE).
3. SIGNS SHALL COMPLY TO ALL ADA CODES.

HANDICAPPED PARKING SIGN

NTS

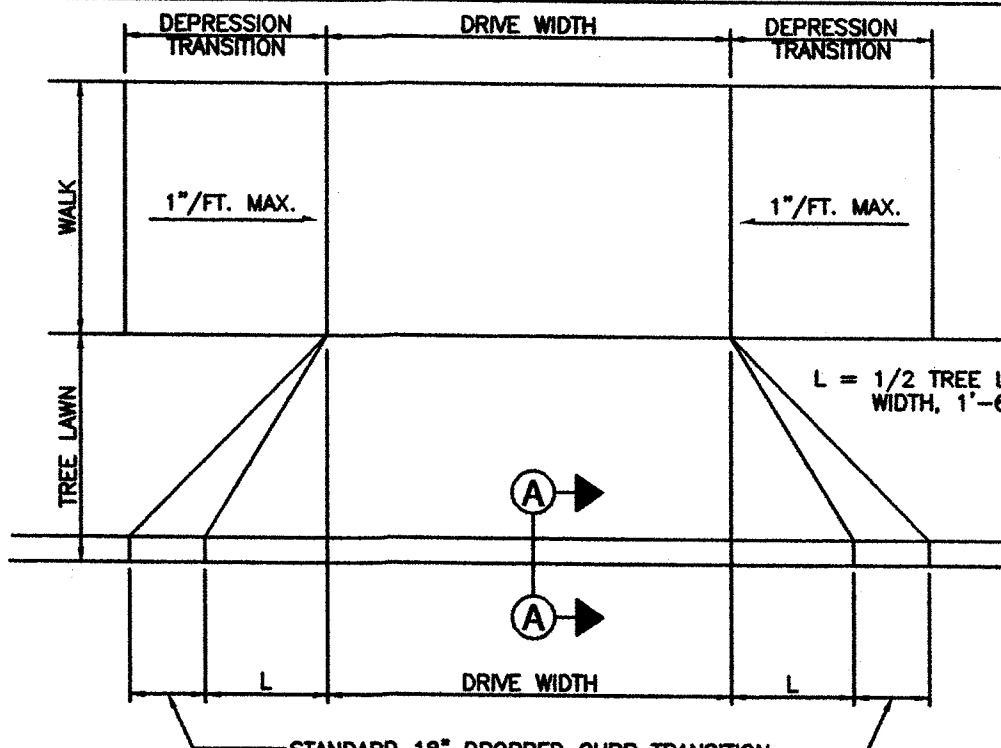
LOCATE SIGN
AT HEAD OF
EACH HANDICAP
STALL. SIGN ON
EACH SIDE OF
PIPE WHERE
APPLICABLE.



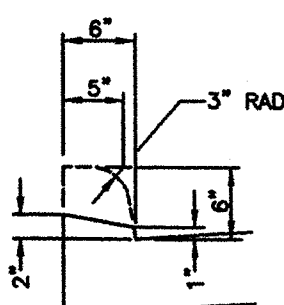
Frederic H. Goodblatt, Jr.

Seal of the Professional Engineer
 State of Ohio
 No. 12345

**DRIVEWAY APPROACH
DETAIL**

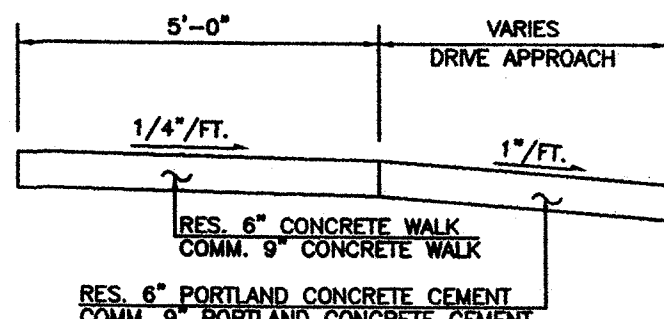
CITY OF MASSILLON ENGINEERING
 151 LINCOLN WAY EAST
 MASSILLON, OHIO 43304-9300-1722
 FAX: (330)930-1768



DRIVE PLAN



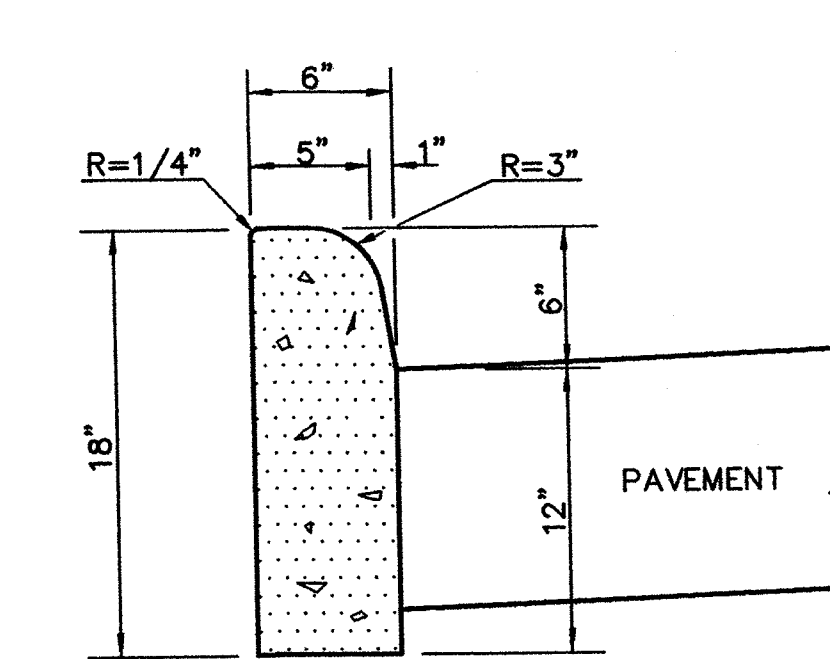
A-A



DRIVE PROFILE

OWNER:
ANCHOR BAPTIST CHURCH
P.O. BOX 240
MASSILLON, OHIO 44646
PHONE:

MASSILLON 7



(RCE) ROCK CONSTRUCTION ENTRANCE
 (IP) INLET PROTECTION
 (SF) SILT FENCE
 FOR SEDIMENT CONTROL NOTES & DETAILS, SEE SHEET 4


ITEM 609 - TYPE 6 CONCRETE CURB
SCALE: 1-1/2"=1'

- ① CONCRETE RAMP. MAX.
SLOPE 1:12 (8%)
- ② SIDE FLARES. MAX
SLOPE 1: 10 (10%)
- ③ BUILDING LINE.
- ④ MAX. SLOPE FROM BUILDING
LINE TO RAMP 1:50 (2%).
IF DISTANCE FROM RAMP TO
BUILDING LINE OR OBSTRUCTION
IS LESS THAN 4'-0", SIDE
FLARES MAX. SLOPE 1:12 (8%).

HANDICAPPED RAMP DETAIL
N.T.S.
RAMP TO COMPLY WITH ALL ADA CODES.

NOTE:

THE DETENTION BASIN AREA IS CURRENTLY ACTING AS A SEDIMENT BASIN. THE RISER PIPE SHOULD BE LEFT IN PLACE DURING CONSTRUCTION OF CHURCH AND BUSINESS PLACE. AFTER CONSTRUCTION IS COMPLETE, THE OWNER OF NOVA EAST INDUSTRIAL PARK SHALL CLEAN OUT SEDIMENT BASIN AND RESTORE DETENTION BASIN PER DESIGN PLANS.



ADAAG STANDARDIZES
DETECTABLE WARNING DEVICES AS
RAISED TRUNCATED DOMES
WITH A NOMINAL 0.9" DIA.,
0.2" HEIGHT AND NOMINAL
2.35" ON CENTER WHICH
MUST CONTRAST VISUALLY
WITH ADJACENT SURFACES
TO VERIFY REQUIREMENTS PRIOR
TO USE.

DETECTABLE WARNING DEVICE DETAIL

UNDERGROUND UTILITIES

2 WORKING DAYS

BEFORE YOU DIG


CALL TOLL FREE 800-362-2764

AND UTILITIES PROTECTION SERVICE

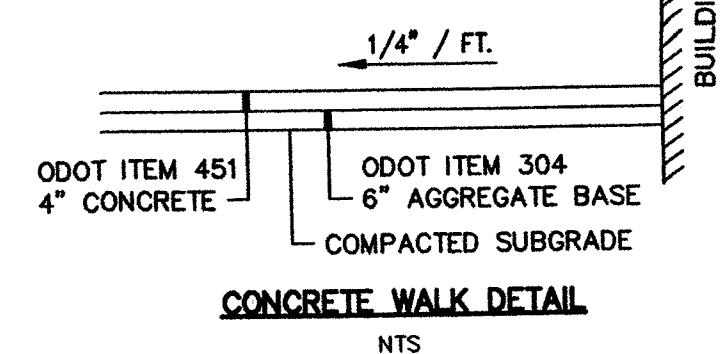
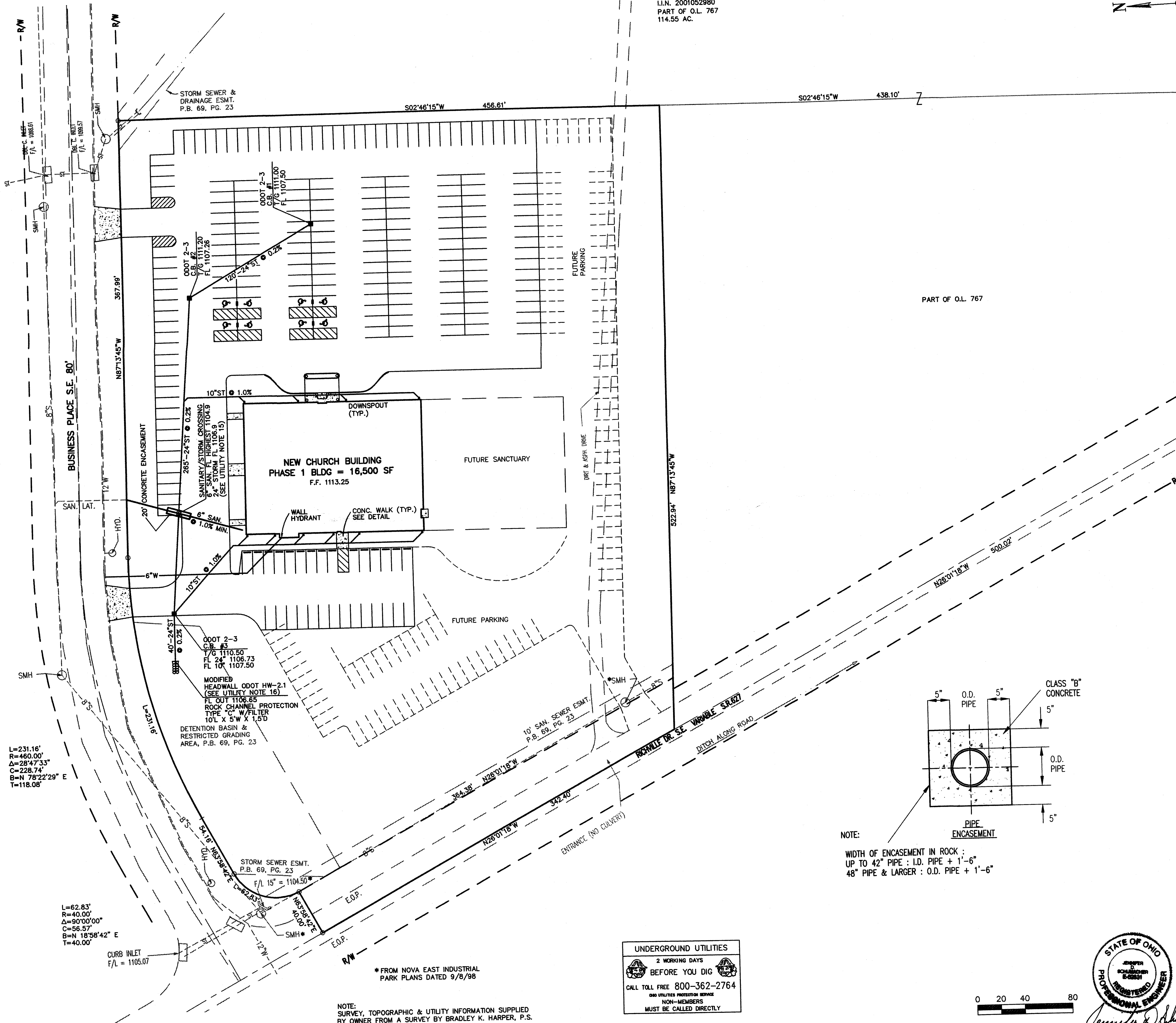
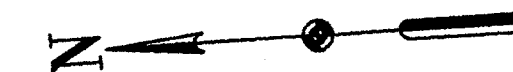
NON-MEMBERS

MUST BE CALLED DIRECTLY

NOTE:
SURVEY, TOPOGRAPHIC & UTILITY INFORMATION SUPPLIED
BY OWNER FROM A SURVEY BY BRADLEY K. HARPER, P.S.
DATED 4/02.

 HAM® HAMMOND & ASSOCIATES, LTD. ENGINEERS, ARCHITECTS, SURVEYORS PITTSBURGH, ARSON 5233 STONEHAM ROAD, NORTH CANTON, OHIO 44720 PHONES: CANTON (330) 499-4817 AFRON (330) 633-7274 CLEVELAND (216) 499-4817 FAX: (330) 499-0149 TELEFAX: (330) 499-4817	SITE GRADING & STORMWATER PREVENTION PLAN ANCHOR BAPTIST CHURCH - RICHVILLE DRIVE S.E. SITUATED IN THE CITY OF MASSILLON, COUNTY OF STARK, STATE OF OHIO AND BEING OUTLOT 898				SCALE:	1"=40'
	DESIGNED BY: JDS	CHECKED BY: BHB	REVISION BY:	DATE:	DESCRIPTION:	
	DRAWN BY: LJP	REVIEWED BY: BHB	REVISION BY:	DATE:	DESCRIPTION:	
	F.B. _____	PAGE: _____	REVISION BY:	DATE:	DESCRIPTION:	
	COPYRIGHT © 2002 DATE: 8/28/02		REVISION BY:	DATE:	DESCRIPTION:	
	R. Schuchman, L.P.S.		REVISION BY:	DATE:	DESCRIPTION:	

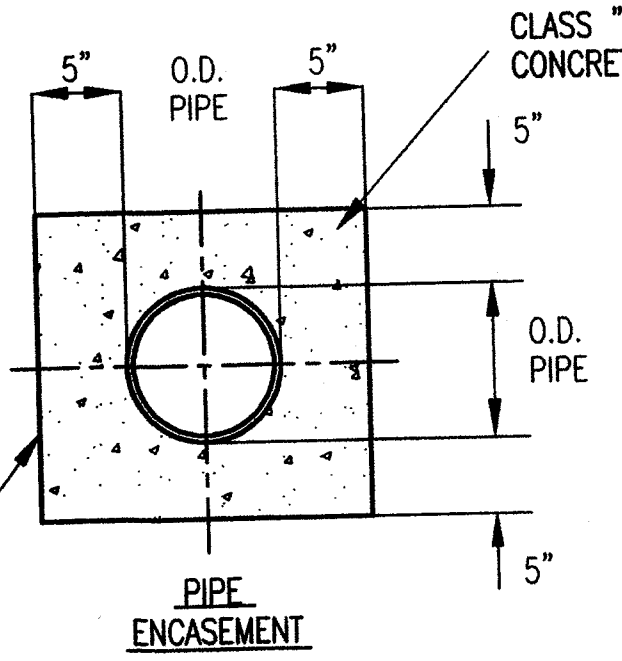
BEAVER EXCAVATING CO.
I.I.N. 2001052980
PART OF O.L. 767
114.55 AC.



C & A PIN FOUND ON SOUTH LINE.
ELEVATION OF 1101.10 ON PIN AT
SOUTHWEST CORNER MARKED AND
USED AS BENCH MARK.

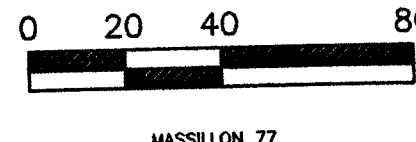
UTILITY NOTES

- EXISTING UTILITIES TO REMAIN, WHICH ARE CRUSHED OR DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- ANY UTILITIES FOUND DURING EXCAVATION, NOT SHOWN ON PLAN, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND/OR ENGINEER.
- EACH SUBCONTRACTOR SHALL OBTAIN HIS OWN PERMITS AND CONTACT THE UTILITY COMPANY FOR VERIFICATION AND LOCATION OF HOOK-UP PRIOR TO ANY WORK BEING DONE.
- UTILITIES SHOWN WERE TAKEN FROM RECORDS OF RESPECTIVE UTILITY COMPANIES AND FROM A TOPOGRAPHIC SURVEY AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND OR OVERHEAD UTILITIES ADJACENT TO OR UPON THE PREMISES SHOWN ON THE PLAN. CALL CUPS PRIOR TO EXCAVATION.
- COORDINATE UTILITY CONNECTIONS AT THE BUILDING WITH THE MECHANICAL DRAWINGS.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SLOPE OF BUILDING SEWERS TOWARDS THE LATERAL SEWER IN STRICT ACCORDANCE WITH THE GOVERNING AUTHORITIES PRIOR TO STARTING CONSTRUCTION.
- ALL UTILITIES SHALL BE UNDERGROUND.
- ALL STORM SEWER SHALL CONFORM TO ODOT ITEM 707.33 OR EQUAL MATERIAL APPROVED BY THE CITY.
- SANITARY LATERAL SHALL BE A MINIMUM 6" DIAMETER OF PVC PIPE, ASTM D3034, SDR35, WITH RUBBER GASKET JOINTS OR APPROVED EQUAL LATERAL SHALL BE CONSTRUCTED WITH A MINIMUM OF 1% SLOPE, AND HAVE A MINIMUM OF 3 FEET OF COVER.
- WATER SERVICE LATERAL SHALL BE DUCTILE IRON OF THE SIZE SHOWN ON THE MECHANICAL DRAWINGS AND SHALL HAVE BETWEEN 4 AND 5 FEET OF COVER. ALL BACKFLOW PREVENTION DEVICES SHALL BE APPROVED BY CONSUMERS OF OHIO WATER COMPANY.
- A SANITARY PERMIT WILL BE REQUIRED. CONTRACTOR TO CONTACT MASSILLON ENGINEERING DEPARTMENT FOR PERMIT AND INSPECTION REQUIREMENTS.
- A DRIVEWAY PERMIT WILL BE REQUIRED. CONTRACTOR TO CONTACT MASSILLON ENGINEERING DEPARTMENT FOR PERMIT AND INSPECTION REQUIREMENTS.
- CONTRACTOR TO COORDINATE UNDERGROUND ELECTRIC SERVICE WITH OHIO EDISON, UNDERGROUND TELEPHONE WITH AMERITECH AND UNDERGROUND CABLE SERVICE WITH MASSILLON CABLE TV.
- CONTRACTOR TO PROVIDE CONCRETE ENCASUREMENT AROUND THE SANITARY LATERAL, TEN FEET ON EITHER SIDE OF THE STORM CROSSING PER DETAIL.
- CONTRACTOR TO REFER TO ODOT HEADWALL DETAIL HW-2.1 AND MODIFY TO PROVIDE 6" DEPTH OF CONCRETE OVER TOP OF PIPE.



NOTE:
WIDTH OF ENCASUREMENT IN ROCK :
UP TO 42" PIPE : I.D. PIPE + 1'-6"
48" PIPE & LARGER : O.D. PIPE + 1'-6"

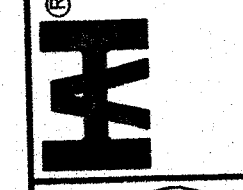
UNDERGROUND UTILITIES
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES INFORMATION SERVICE
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MUST BE CALLED DIRECTLY



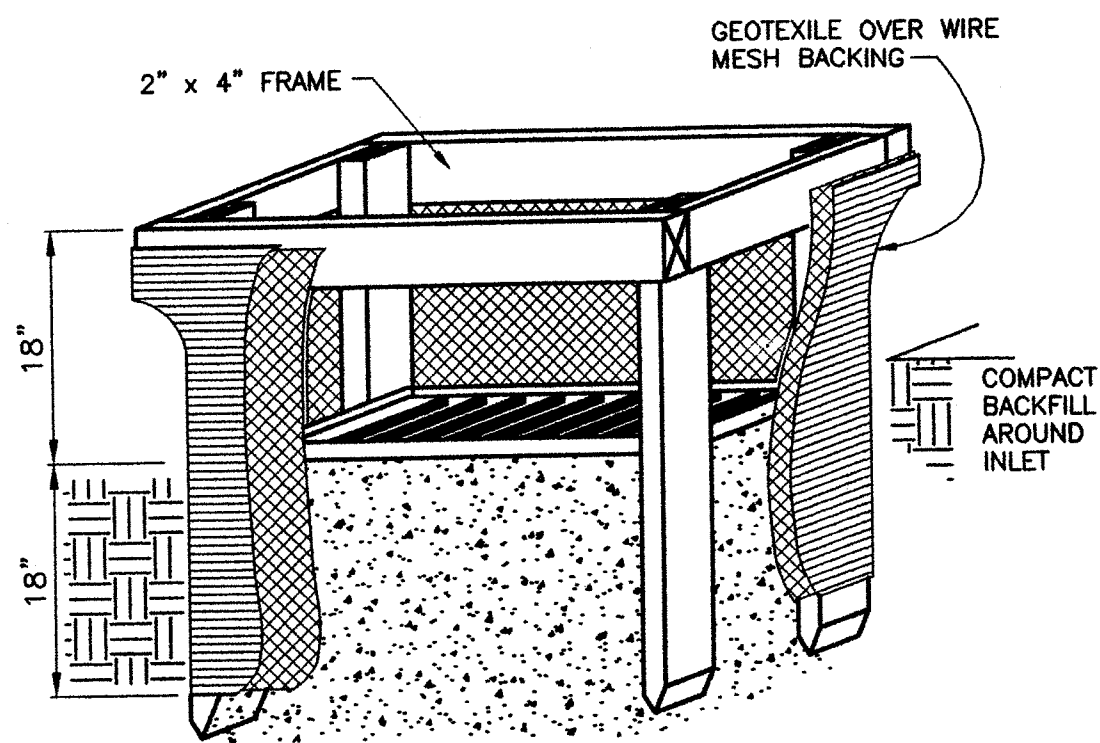
Jennifer D. Schwanke, P.E. 3/20/93

SITE UTILITY PLAN
ANCHOR BAPTIST CHURCH - RICHVILLE DRIVE S.E.
SITUATED IN THE CITY OF MASSILLON, COUNTY OF STARK,
STATE OF OHIO AND BEING OUTLOT 898

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TOLL FREE: 1-800-394-8817
www.hammontree-engineers.com



3
4



1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 IN.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2 IN. BY 4 IN. CONSTRUCTION GRADE LUMBER. THE 2 IN. BY 4 IN. POSTS SHALL BE DRIVEN 18 IN. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2 IN. BY 4 IN. FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FLOW IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20 - 40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 IN. BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ON SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 IN. LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 IN. HIGHER THAN THE TOP OF THE FRAME.

INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS

N.T.S.

(IP)

PERMANENT SEEDING			
SEED MIX	SEEDING RATE		NOTES:
	LB./AC.	LB./1,000 FT. ²	
GENERAL USE			
CREEPING RED FESCUE	20-40	1/2-1	
DOMESTIC RYEGRASS	10-20	1/4-1/2	
KENTUCKY BLUEGRASS	10-20	1/4-1/2	
TALL FESCUE	40	1	
DWARF FESCUE	40	1	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40	1	
CROWN VETCH	10	1/4	DO NOT SEED LATER THAN AUGUST.
TALL FESCUE	20	1/2	
FLAT PEA	20	1/2	DO NOT SEED LATER THAN AUGUST.
TALL FESCUE	20	1/2	
ROAD DITCHES AND SWALES			
TALL FESCUE	40	1	
DWARF FESCUE	90	2 1/4	
KENTUCKY BLUEGRASS	5		
LAWNS			
KENTUCKY BLUEGRASS	60	1 1/2	
PERENNIAL RYEGRASS	60	1 1/2	
KENTUCKY BLUEGRASS	60	1 1/2	FOR SHADED AREAS.
CREEPING RED FESCUE	60	1 1/2	
NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.			

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

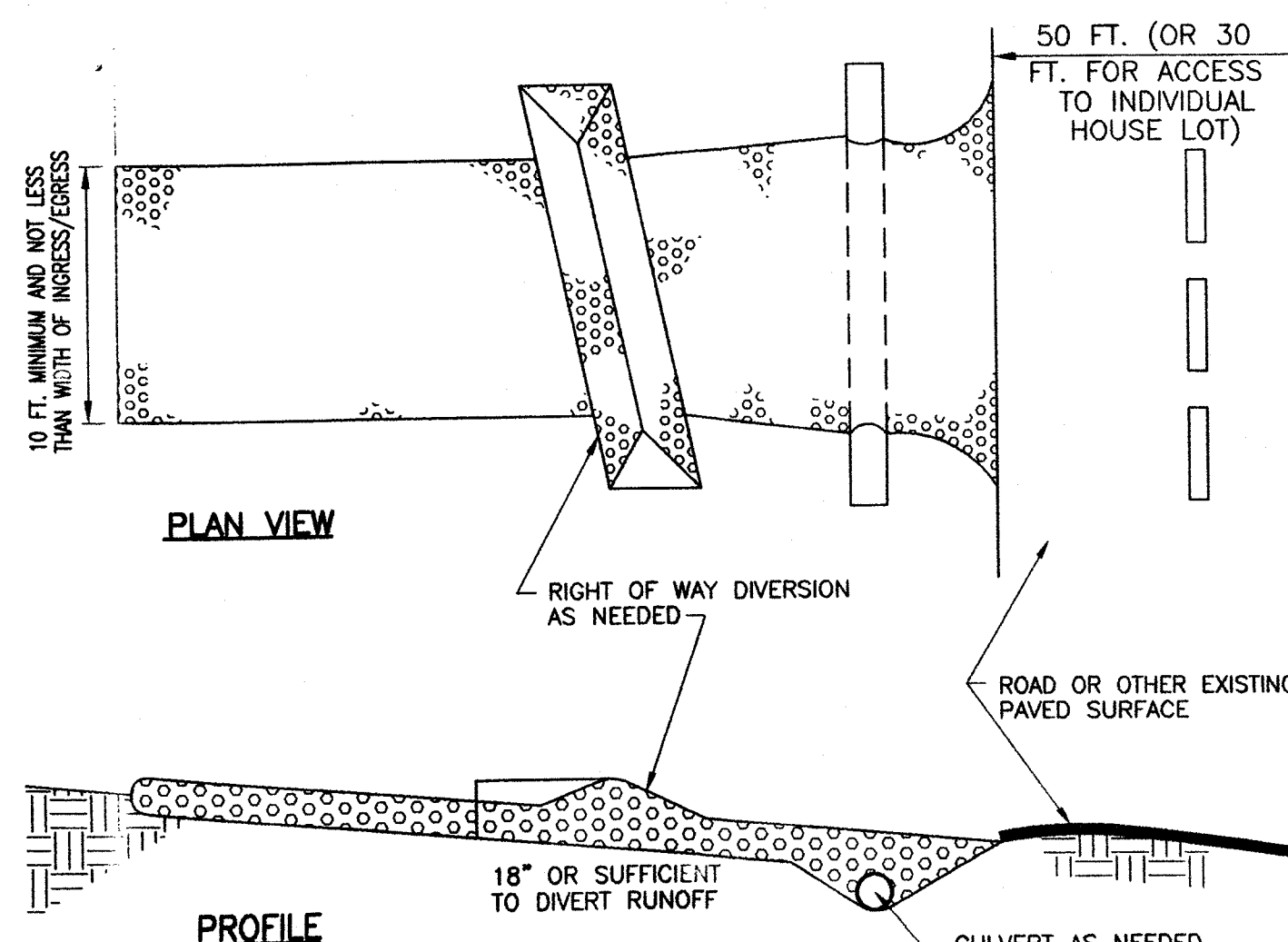
PERMANENT SEEDING (S)

TEMPORARY SEEDING SPECIES SELECTION			
SEEDING DATES	SPECIES	LB./1,000 FT. ²	PER ACRE
MARCH 1 TO AUGUST 15	OATS	3	4 BUSHEL
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	PERENNIAL RYEGRASS	1	40 LB.
	TALL FESCUE	1	40 LB.
AUGUST 16 TO NOVEMBER 1	RYE	3	2 BUSHEL
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	WHEAT	3	2 BUSHEL
	TALL FESCUE	1	40 LB.
NOVEMBER 1 TO SPRING SEEDING	PERENNIAL RYEGRASS	1	40 LB.
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	PERENNIAL RYEGRASS	1	40 LB.
	TALL FESCUE	1	40 LB.

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
2. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR RE-WORKED FOR 45 DAYS OR MORE. THE IDLE AREAS SHOULD BE SEED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEED WITHIN 7 DAYS. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION PROJECTS.
3. THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER, TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.
4. SOIL AMENDMENTS - APPLICATIONS OF TEMPORARY VEGETATION SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
5. SEEDING METHOD - SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLOPE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR OF CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

TEMPORARY SEEDING (TS)

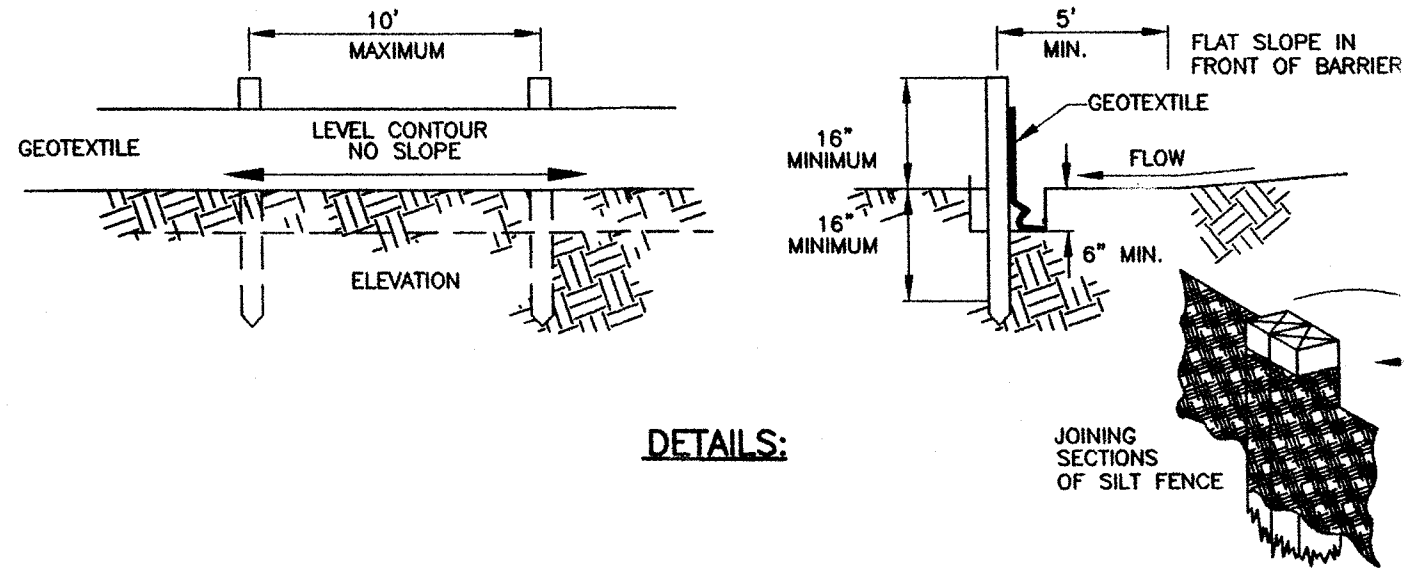


1. STONE SIZE - TWO-INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50 FT. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FT. MINIMUM LENGTH APPLIES).
3. THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK.
4. WIDTH - THE ENTRANCE SHALL BE AT LEAST 10 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.
6. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
7. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
8. MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE WALL SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
9. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

CONSTRUCTION ENTRANCE (RCE) N.T.S.

EROSION CONTROL NOTES

1. ALL PROPERTIES ADJACENT TO THE SITE OF SOIL-DISTURBING ACTIVITY SHALL BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE FROM SOIL EROSION AND SEDIMENT RUNOFF AND DRAINAGE, INCLUDING, BUT NOT LIMITED TO PRIVATE PROPERTIES, NATURAL AND ARTIFICIAL WATERWAYS, WETLANDS, STORM SEWERS AND PUBLIC LANDS.
2. CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL PRACTICES USED TO SATISFY THIS REQUIREMENT SHALL CONFORM, AS A MINIMUM, TO STATE OF OHIO STANDARDS AS SET FORTH IN THE MOST-CURRENT EDITION OF THE RAINWATER AND LAND DEVELOPMENT MANUAL, DEFINED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES DIVISION OF SOIL AND WATER CONSERVATION AND NATURAL RESOURCE CONSERVATION SERVICE AND SHALL CONFORM TO THE MOST CURRENT OHIO ENVIRONMENTAL PROTECTION AGENCY, OHIO REVISED CODE CHAPTER 6111 REQUIREMENTS.
3. EROSION AND SEDIMENT CONTROL PLAN APPROVALS ISSUED IN ACCORDANCE WITH THESE RULES DO NOT RELIEVE THE OWNER OF RESPONSIBILITY FOR OBTAINING ALL OTHER NECESSARY PERMITS AND OR APPROVALS FROM FEDERAL, STATE, AND/OR COUNTY AGENCIES. IF REQUIREMENTS VARY, THE MOST STRINGENT REQUIREMENTS SHALL BE FOLLOWED.
4. EROSION AND SEDIMENT CONTROL PRACTICES AT THE SITE, AND AS IDENTIFIED IN THE STARK SWCD PLAN SHALL COMPLY WITH THE FOLLOWING:
 - A. AN APPROVED EROSION AND SEDIMENT CONTROL PLAN OR APPROVAL LETTER FROM THE STARK SWCD SHALL BE LOCATED ON SITE FOR REVIEW.
 - B. LIMITS TO CLEARING AND GRADING SHALL BE SHOWN ON ESC PLANS. LIMITS TO CLEARING AND GRADING SHALL BE CLEARLY MARKED ON SITE WITH SIGNAGE, FLAGGING, AND/OR FENCING ETC.
 - C. INSTALL EROSION AND SEDIMENT PERIMETER CONTROLS AS A FIRST ACTION OF CONSTRUCTION AS SPECIFIED BY CONSTRUCTION SEQUENCE. THIS SHALL INCLUDE AND IS NOT LIMITED TO PROTECTIVE BMP'S FOR STREAM CORRIDORS AND CROSSINGS, WETLANDS, SITE ENTRANCE, SEDIMENT TRAPS & BASINS, BARRIERS, AND DIVERSION DIKES.
 - D. CONCENTRATED STORM WATER RUNOFF SHALL PASS THROUGH A SEDIMENT CONTROL DEVICE BEFORE EXITING THE SITE BOUNDARIES. CONCENTRATED RUNOFF FROM BARE SOIL AREAS SHALL BE DIVERTED INTO A SETTLING POND OR SEDIMENT CONTROL STRUCTURE, OR OTHER APPROVED SEDIMENT BARRIER BEFORE LEAVING THE SITE.
 - E. EARTHEN STRUCTURES SUCH AS DAMS, BASINS, STREAM MODIFICATIONS AND WATER DIVERSIONS SHALL BE SEED AND MULCHED WITH IN SEVEN (7) DAYS OF THE COMPLETION OF INSTALLATION. DAMS SHALL CONFORM TO THE OHIO DAM LAWS (ORC 1521.06).
 - F. STABILIZATION OF CRITICAL AREAS WITHIN 50 FEET OF ANY STREAM OR WETLAND SHALL BE TEMPORARILY STABILIZED WITHIN TWO (2) DAYS OF DISTURBANCE IF AREA WILL REMAIN INACTIVE FOR FOURTEEN (14) DAYS OR LONGER. CONSTRUCTION VEHICLES SHALL AVOID STREAMS AND THE 50 FOOT BUFFER AREAS. IF AN ACTIVE DRAINAGEWAY MUST BE CROSSED BY CONSTRUCTION VEHICLES REPEATEDLY DURING CONSTRUCTION, A TEMPORARY STREAM CROSSING SHALL BE CONSTRUCTED ACCORDING TO THE SPECIFICATIONS IN THE RAINWATER & LAND DEVELOPMENT BOOK. CONSTRUCTION OF BRIDGES, CULVERTS OR SEDIMENT CONTROL STRUCTURES SHALL NOT PLACE SOIL, DEBRIS AND OTHER FINE PARTICULATE MATERIAL INTO OR CLOSE TO THE WATER RESOURCE IN SUCH A MANNER THAT IT MAY SLOUGH, SLIP OR ERODE.
 - G. STORM SEWER INLETS (AND SANITARY) SHALL BE PROTECTED SO THAT SEDIMENT-LADEN RUNOFF WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED AND/OR TREATED.
 - H. RE-VEGETATE SOIL. TEMPORARY SOIL STABILIZATION SHALL OCCUR WITHIN SEVEN (7) DAYS AFTER ROUGH GRADING IF THE AREA WILL REMAIN IDLE LONGER THAN THIRTY (30) DAYS. PERMANENT SOIL STABILIZATION SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. PERMANENT VEGETATION IS A GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE AND MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITION.
5. SOIL STOCKPILES ADJACENT TO THE SITE OF SOIL-DISTURBING ACTIVITY SHALL BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE FROM SOIL EROSION AND SEDIMENT RUNOFF AND DRAINAGE, INCLUDING, BUT NOT LIMITED TO PRIVATE PROPERTIES, NATURAL AND ARTIFICIAL WATERWAYS, WETLANDS, STORM SEWERS AND PUBLIC LANDS.
6. UNSTABLE SOILS PRONE TO SLIPPING OR SLOUGHING SHALL NOT BE CLEARED, GRADED, EXCAVATED, FILLED OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS PLANNED BY A QUALIFIED PROFESSIONAL ENGINEER AND INSTALLED IN ACCORDANCE WITH THE ESC PLAN. CUT AND FILL SLOPES SHOULD BE DESIGNED TO MINIMIZE EROSION PROBLEMS.
7. ADEQUATE SLOPE DESIGN INCLUDES USE OF ROUGH SOIL SURFACE ALONG THE FACE OF THE SLOPE; WATER DIVERSION ALONG THE TOP OF THE SLOPE AWAY FROM THE FACE; TERRACES TO REDUCE SLOPE LENGTH; DELIVERY OF CONCENTRATED STORM WATER FLOWS TO THE BASE OF THE SLOPE VIA ADEQUATE CHANNEL OR PIPE; AND DRAINAGE FOR WATER SEEPS IN THE SLOPE THAT ENDANGER SLOPE STABILITY.
8. SOIL SHALL BE REMOVED FROM PAVED SURFACES AND/OR PUBLIC ROADS AT THE END OF EACH DAY IN SUCH A MANNER THAT DOES NOT CREATE OFF-SITE SEDIMENTATION IN ORDER TO ENSURE SAFETY AND ABATE OFF-SITE SOIL LOSS. COLLECTED SEDIMENTS SHALL BE PLACED IN A STABLE LOCATION ON SITE OR TAKEN OFF-SITE TO A STABLE LOCATION.
9. STABILIZE DISTURBED OR MODIFIED DRAINAGE WAYS. REDUCE EROSION EFFECTS OF STORM WATER BY USING AND/OR MAINTAINING GRASSED SWALES, INFILTRATION STRUCTURES, OR WATER DIVERSIONS.
10. SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED ONCE EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. A WRITTEN LOG OF THESE INSPECTIONS AND IMPROVEMENTS TO CONTROLS SHALL BE KEPT ON SITE. THE INSPECTIONS SHALL INCLUDE THE DATE OF INSPECTION, NAME OF INSPECTOR, WEATHER CONDITIONS, ACTIONS TAKEN TO CORRECT ANY PROBLEMS AND THE DATE CORRECTIVE ACTIONS WERE TAKEN.
11. TRENCHES FOR UNDERGROUND UTILITY LINES AND PIPES SHALL BE TEMPORARILY STABILIZED WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN INACTIVE FOR THIRTY (30) DAYS. TRENCH DRAINAGE DEVICES SHALL DISCHARGE IN A MANNER THAT FILTERS SOIL-LADEN WATER BEFORE DISCHARGING IT TO A RECEIVING DRAINAGE DITCH OR POND. IF SEEDING, MULCHING, OR OTHER EROSION AND SEDIMENT CONTROL MEASURES WERE PREVIOUSLY INSTALLED, THESE PROTECTIVE MEASURES SHALL BE REINSTALLED.
12. CONTRACTOR'S CONSTRUCTION SEQUENCE:
 - A. INITIAL CLEARING AND GRUBBING TO GAIN ACCESS, AND INSTALLATION OF PERIMETER CONTROL WITHIN SEVEN (7) DAYS OF CLEARING AND GRUBBING.
 - B. CLEARING AND GRUBBING FOLLOWED BY EXCAVATION OF SEDIMENT TRAPS AND BASINS; TEMPORARY SOIL STABILIZATION FOR THESE SEDIMENT SETTLING DEVICES WITHIN FOURTEEN (14) DAYS OF EXCAVATION.
 - C. MAINTENANCE INSPECTION SCHEDULE AND PARTY RESPONSIBLE FOR INSPECTION AND REPAIR OF EROSION AND SEDIMENT CONTROL DEVICES.
 - D. PRE-WINTER STABILIZATION MEETING IF PROJECT IS TO BE THROUGH THE WINTER.
 - E. FINAL GRADING AND PERMANENT SOIL STABILIZATION WITHIN 30 DAYS OF FINISHING FINAL GRADE.
 - F. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.



DETAILS:

NOTES:

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
4. WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE FENCE.
6. SOIL STOCKPILES OR OTHER SOURCES OF SEDIMENT SHALL HAVE SILT FENCE PROTECTION.
7. THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6" DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8" OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6" DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
9. SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WED TOGETHER BEFORE DRIVING INTO THE GROUND.
10. MAINTENANCE - SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE:
 - 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED.
 - 2) ACCUMULATED SEDIMENT SHALL BE REMOVED.
 - 3) OTHER PRACTICES SHALL BE INSTALLED.

CRITERIA FOR SILT FENCE MATERIALS

1. FENCE POSTS - THE LENGTH SHALL BE A MINIMUM OF 32" LONG. WOOD POST WILL BE 2" X 2" HARDWOOD OF SOUND DRY LUMBER. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT.

2. SILT FENCE FABRIC (SEE CHART BELOW):

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MINIMUM	ASTM D 1682
MULLEN BURST STRENGTH	190 P.S.I. MINIMUM	ASTM D 3786
SLURRY FLOW RATE	0.3 GAL./MIN./FT. ² MAXIMUM	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MINIMUM	ASTM-G-26

SILT FENCE (SF) N.T.S.

SEDIMENT CONTROL NOTES & DETAILS
ANCHOR BAPTIST CHURCH - RICHVILLE DRIVE S.E.
SITUATED IN THE CITY OF MASSILLON, COUNTY OF STARK,
STATE OF OHIO AND BEING OUTLOT 898

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