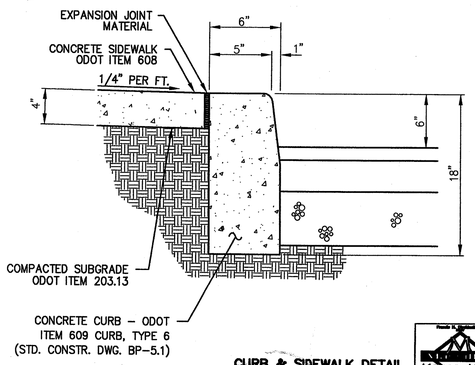
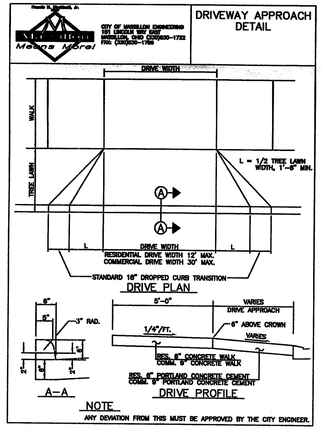
LEGEND

—R/W— RIGHT-OF-WAY	ANCHOR
—W— WATER LINE	SIGN
—S— SANITARY SEWER LINE	CATCH BASIN (C.B.)
—ST— STORM SEWER LINE	MAN HOLE (AS LABELED)
—G— GAS LINE	TRAFFIC CONTROL BOX
—UE— UNDERGROUND ELECTRIC	FIRE HYDRANT
—OE— OVERHEAD ELECTRIC	VALVE (AS LABLELED)
—UT— UNDERGROUND TELEPHONE	MAIL BOX
—OT— OVERHEAD TELEPHONE	GUARD POST
—OET&C— OVERHEAD ELECTRIC, TELEPHONE & CABLE	SOIL BORING
—X—X— FENCE	MONITORING WELL
GAS LINE MARKER	CO CLEAN OUT
TELEPHONE LINE MARKER	DS DOWN SPOUT
POWER POLE	EOP EDGE OF PAVEMENT
TELEPHONE POLE	FD FLOOR DRAIN
TELEPHONE, LIGHT POLE	FF FINISH FLOOR ELEVATION
TELEPHONE, POWER POLE	FP FLAG POLE
GENERAL POLE	RD ROOF DRAIN
LIGHT POLE	YD YARD DRAIN
LIGHT, POWER POLE	SPOT ELEV. TOP & BOTTOM OF CURB
LIGHT, POWER, TELEPHONE POLE	
LIGHT, POWER, TELEPHONE, CABLE T.V. POLE	



CURB & SIDEWALK DETAIL
N.T.S.



ZONING

I-1 LIGHT INDUSTRIAL
FRONT YARD SETBACK: 60'
REAR/SIDE YARD SETBACK: 0' UNLESS ADJ. TO RES. DISTRICT THEN 50'

PARKING

REQUIRED: 1/200 SQ. FT. GROSS FLOOR AREA
6348 SQ. FT./200 SQ. FT. = 32 SPACES

PROVIDED: 30 REGULAR SPACES
6 GARAGE SPACES
2 H.C. SPACES
38 TOTAL PARKING SPACES

DATA USED:

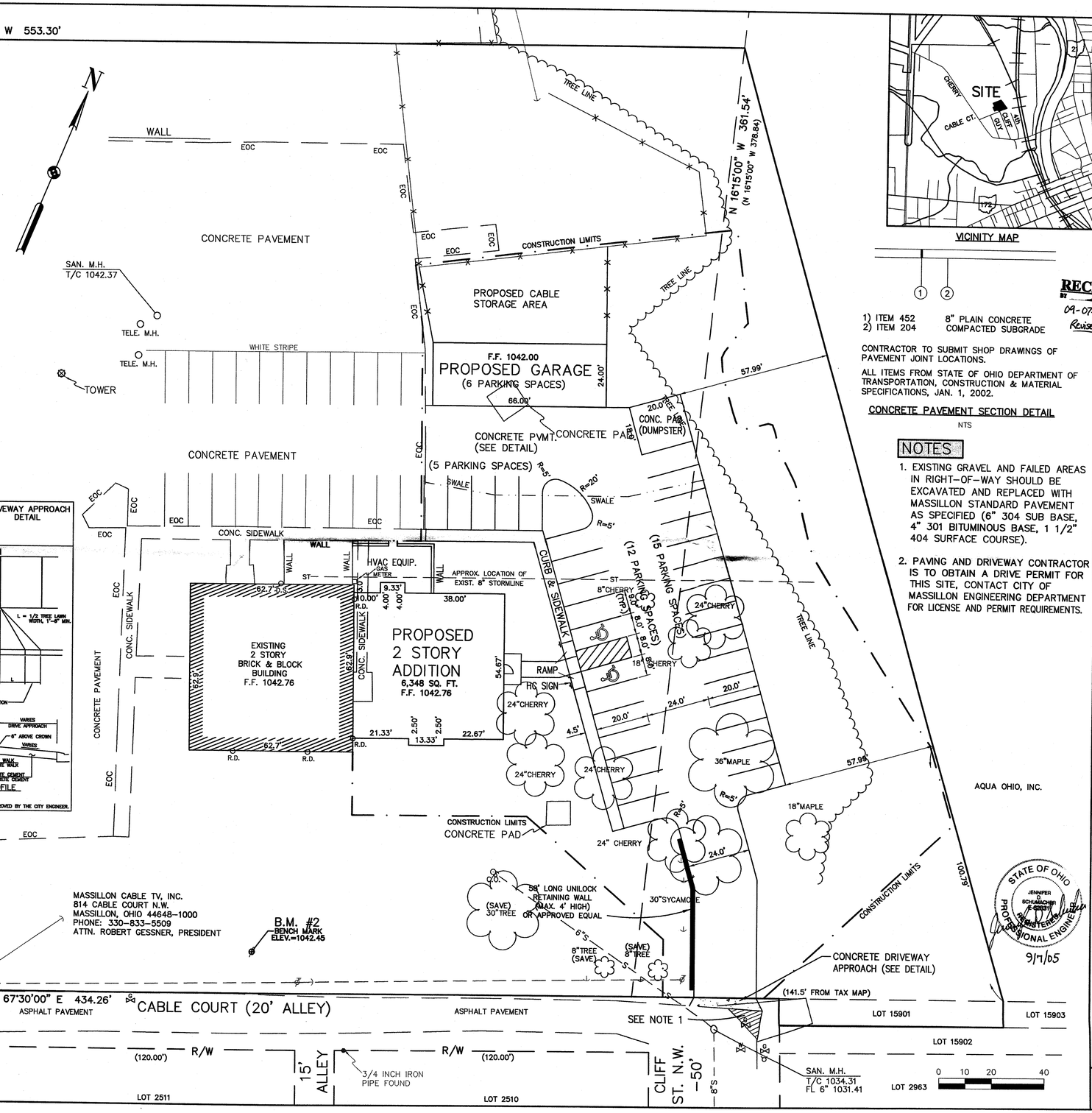
TAX MAP - MASSILLON 21
DEEDS - VOL. 3123, PG. 246
O.R. VOL. 256, PG. 343

BASIS OF BEARING:

N 67°30' E THE NORTH LINE OF A 20 FOOT ALLEY AS RECORDED IN VOLUME 3123, PAGE 246 OF THE STARK COUNTY DEED RECORDS.

BENCHMARK: (B.M. #1)
INTERSECTION OF CENTERLINES OF GUY STREET AND CABLE COURT FROM STARK COUNTY TOPO MAP.
ELEV. = 1040.00

BENCHMARK: (B.M. #2)
RAILROAD SPIKE 1'± UP EAST SIDE OF POWER POLE #82BM4A-265T NORTH SIDE OF CABLE COURT, 100'± EAST OF GUY STREET. (SHOWN ON MAP)
ELEV. = 1042.45



VICINITY MAP

1) ITEM 452 8" PLAIN CONCRETE
2) ITEM 204 COMPACTED SUBGRADE

CONTRACTOR TO SUBMIT SHOP DRAWINGS OF PAVEMENT JOINT LOCATIONS.

ALL ITEMS FROM STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION & MATERIAL SPECIFICATIONS, JAN. 1, 2002.

CONCRETE PAVEMENT SECTION DETAIL
NTS

NOTES

1. EXISTING GRAVEL AND FAILED AREAS IN RIGHT-OF-WAY SHOULD BE EXCAVATED AND REPLACED WITH MASSILLON STANDARD PAVEMENT AS SPECIFIED (6" 304 SUB BASE, 4" 301 BITUMINOUS BASE, 1 1/2" 404 SURFACE COURSE).
2. PAVING AND DRIVEWAY CONTRACTOR IS TO OBTAIN A DRIVE PERMIT FOR THIS SITE, CONTACT CITY OF MASSILLON ENGINEERING DEPARTMENT FOR LICENSE AND PERMIT REQUIREMENTS.

RECEIVED
BY
DATE 09-07-05
Revised Set

STATE OF OHIO
JENNIFER D. SCHUMACHER
E-69881
REGISTERED
PROFESSIONAL ENGINEER
9/7/05

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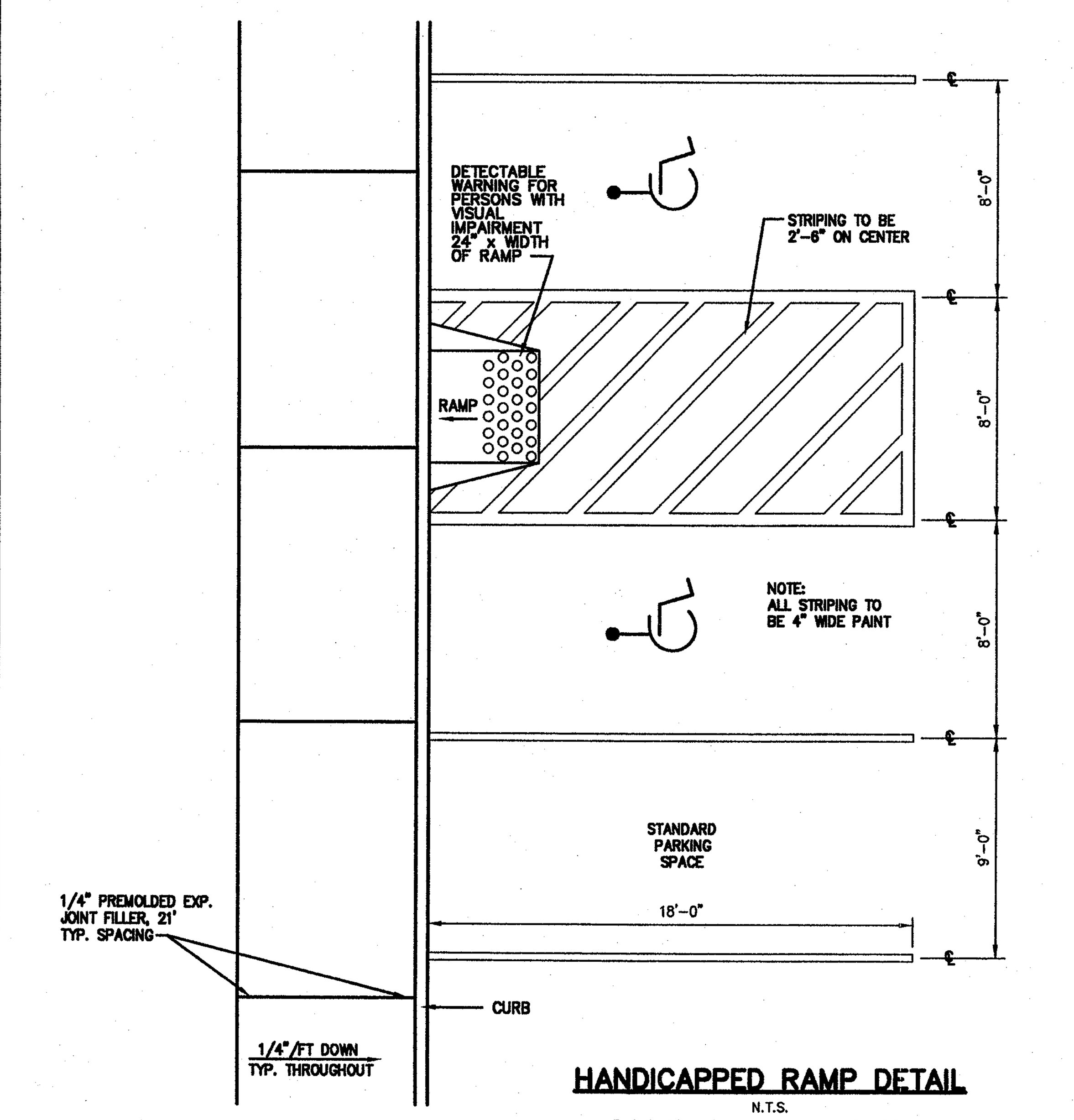
REV. BY:	DATE:	DESC.:
REV. BY:	DATE:	DESC.:
REV. BY:	DATE:	DESC.:
REV. BY: JDS	DATE: 9/7/05	DESC.: CITY OF MASSILLON COMMENTS

DESN. BY: JDS CHKD. BY: BHB
DRWN. BY: LJP RVWD. BY: BHB
F.B.___ PAGE:___
COPYRIGHT©: 2005 DATE: 7/7/05
LAYOUT: LAYOUT1
R:\STARK\MASSILLON\21\SCHCABLE\SITD.DWG

SCALES:
HORIZ: 1"=20'
CONTOUR INTERVAL=1'

SITE DIMENSION PLAN
MASSILLON CABLE TV, INC.
LOCATED IN THE CITY OF MASSILLON, STARK COUNTY, OHIO ALSO BEING PART OF OUTLOT 83 AND ALL OF LOT 15901

1 of 3



HANDICAPPED RAMP DETAIL

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

PIPE CHART

PIPE	SIZE	*TYPE	LENGTH	GRADE	℄ IN	℄ OUT
P_1	12"	B	76'	1.0%	1037.96	1037.20
P_2	12"	B	74'	1.1%	1037.20	1036.39
P_3	8"	B	20'	0.5%	1031.67	1031.57

* USE R.C.P. (706.02), CORRUGATED POLYETHYLENE SMOOTH LINED PIPE (707.33) OR APPROVED EQUAL.

BENCHMARK: (B.M. #1)
INTERSECTION OF CENTERLINES OF GUY STREET AND CABLE COURT FROM STARK COUNTY TOPO MAP.
ELEV. = 1040.00

BENCHMARK: (B.M. #2)
RAILROAD SPIKE 1'± UP EAST SIDE OF POWER POLE #82BM4A-265T NORTH SIDE OF CABLE COURT, 100'± EAST OF GUY STREET. (SHOWN ON MAP)
ELEV. = 1042.45

SITE INFORMATION

SITE DESCRIPTION – EXISTING – OPEN FIELD
PROPOSED – BUILDING ADDITION & PARKING AREA

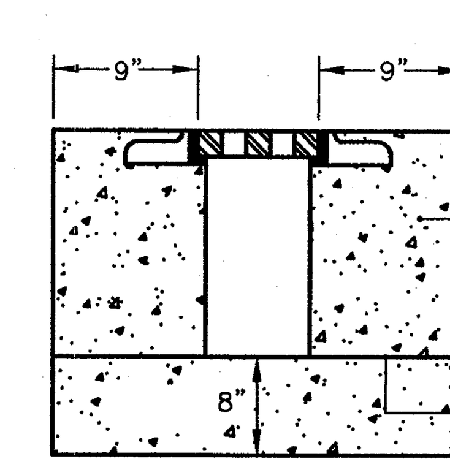
TOTAL AREA OF SITE – 5.13 AC.
AREA OF SITE TO UNDERGO EXCAVATION – 1± AC.

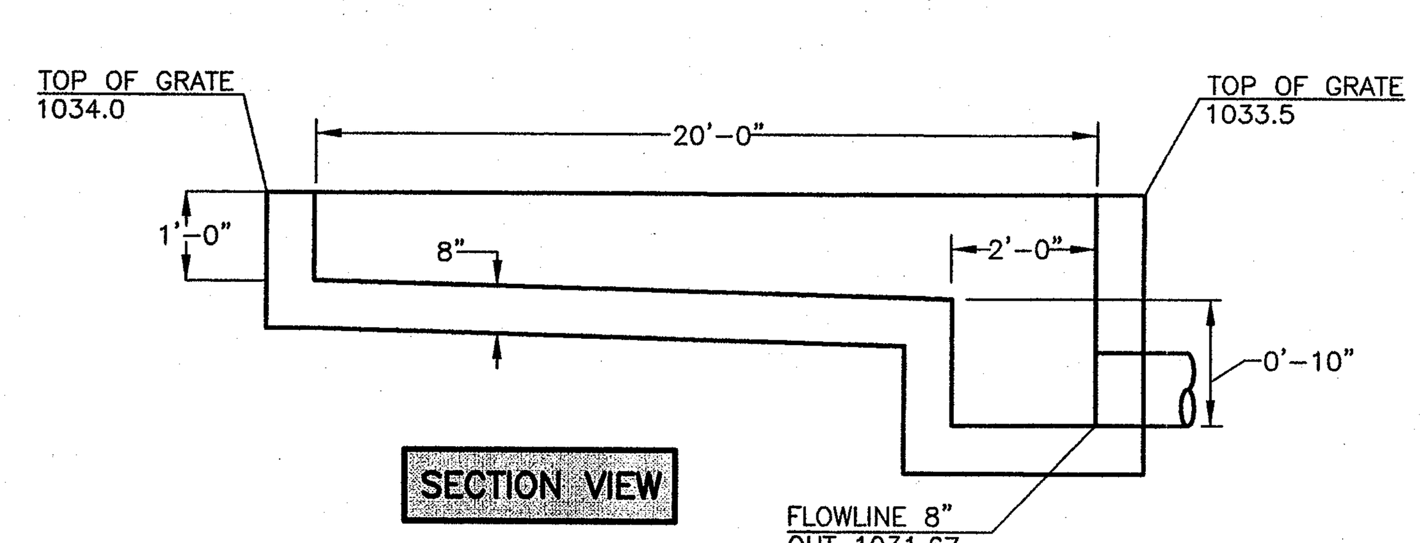
PRE–CONSTRUCTION RUNOFF COEFFICIENT – 0.40
POST–CONSTRUCTION RUNOFF COEFFICIENT – 0.65

SCHEDULE OF MAJOR CONSTRUCTION
COMMENCEMENT – FALL 2005
COMPLETION – WINTER 2005

RECEIVING STREAM AND SURFACE WATERS
TUSCARAWAS RIVER

EXISTING SOILS ON SITE
LuB LOUDONVILLE–URBAN LAND COMPLEX, UNDULATING
Qu QUARRIES





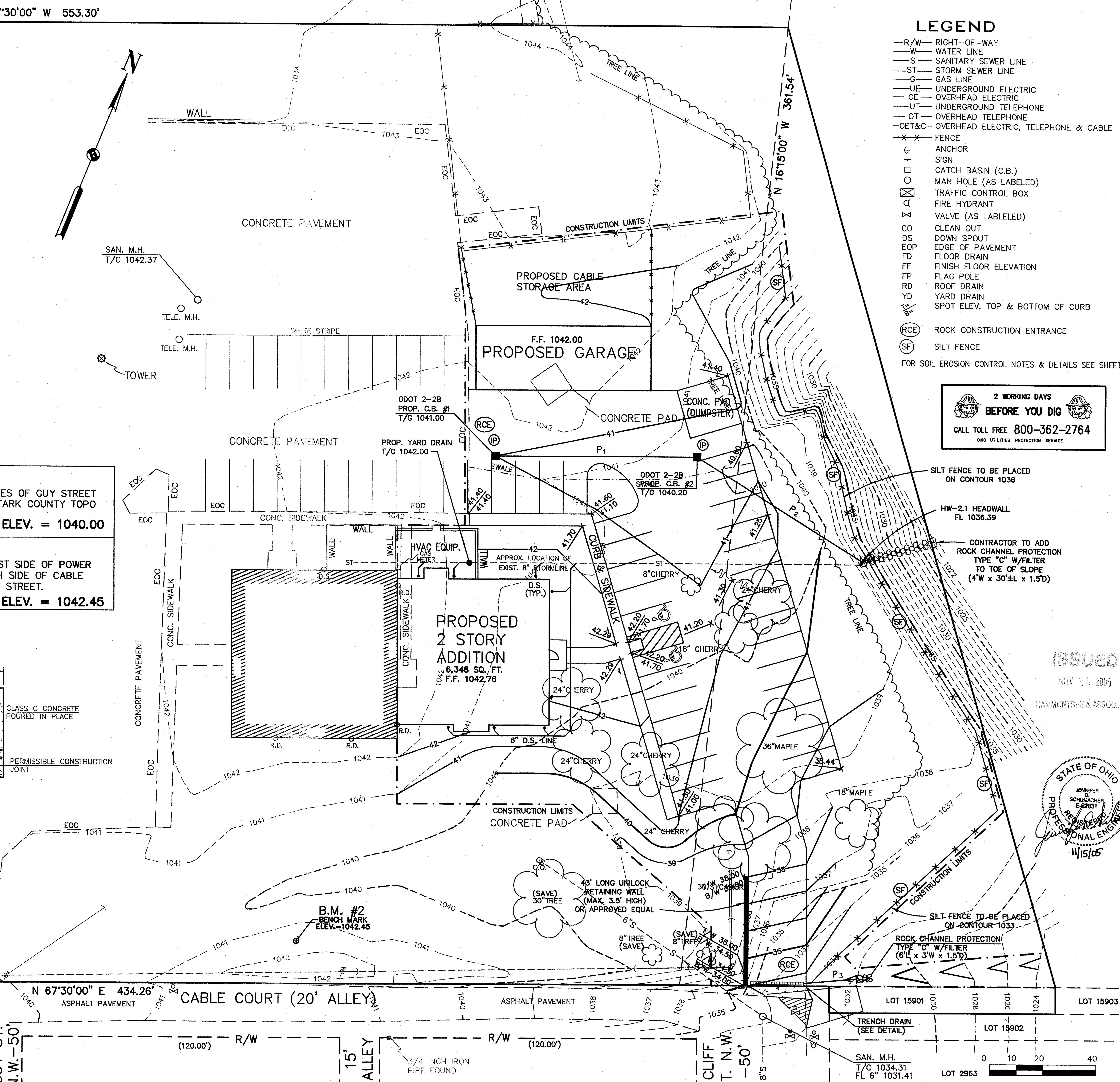
SECTION VIEW

THE FRAME AND GRATE SHALL BE NEENAH R-4990-AX TYPE A, EAST JORDAN IRON WORKS 6951 TYPE M2 OR APPROVED EQUAL.

A PRECAST OPTION MAY BE PROVIDED AT THE OPTION OF THE CONTRACTOR. IT SHALL BE INSTALLED PER THE MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS UTILIZING A FRAME AND GRATE SUITABLE FOR HIGHWAY TRAFFIC.

ITEM SPECIAL – TRENCH DRAIN

N.T.S.



LEGEND

—R/W— RIGHT–OF–WAY
—W— WATER LINE
—S— SANITARY SEWER LINE
—ST— STORM SEWER LINE
—G— GAS LINE
—UE— UNDERGROUND ELECTRIC
— OE — OVERHEAD ELECTRIC
—UT— UNDERGROUND TELEPHONE
— OT — OVERHEAD TELEPHONE
—OET&C— OVERHEAD ELECTRIC, TELEPHONE & CABLE
—X—X— FENCE
ANCHOR
SIGN
CATCH BASIN (C.B.)
MAN HOLE (AS LABELED)
TRAFFIC CONTROL BOX
FIRE HYDRANT
VALVE (AS LABLELED)
CO CLEAN OUT
DS DOWN SPOUT
EOP EDGE OF PAVEMENT
FD FLOOR DRAIN
FF FINISH FLOOR ELEVATION
FP FLAG POLE
RD ROOF DRAIN
YD YARD DRAIN
SPOT ELEV. TOP & BOTTOM OF CURB
(RCE) ROCK CONSTRUCTION ENTRANCE
(SF) SILT FENCE

FOR SOIL EROSION CONTROL NOTES & DETAILS SEE SHEET 3

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

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JENNIFER D. SCHUMACHER E-62831
REGISTERED PROFESSIONAL ENGINEER
11/15/05

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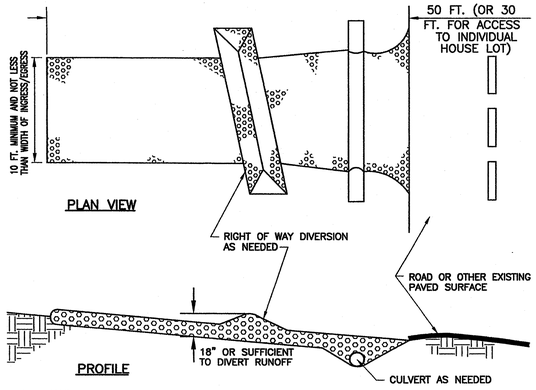
REV. BY:___ DATE:___ DESC.:___
REV. BY:___ DATE:___ DESC.:___
REV. BY: MLD DATE: 11/15/05 DESC.: S.E. CORNER CONSTRUCTION LIMITS
REV. BY: MLD DATE: 11/7/05 DESC.: MOVED PARKING AREA AWAY FROM GUY WIRES
REV. BY: JDS DATE: 9/7/05 DESC.: CITY OF MASSILLON COMMENTS

DESN. BY: JDS CHKD. BY: BHB
DRWN. BY: LJP RVWD. BY: BHB
F.B.___ PAGE:___
COPYRIGHT: 2005 DATE: 7/7/05
LAYOUT: LAYOUT2 R:\STARK\MASSILLON\21\SCHCABLD\SUTO.DWG

SCALES:
HORIZ: 1"=20'
CONTOUR INTERVAL=1'

SITE GRADING, UTILITY & SOIL EROSION CONTROL PLAN
MASSILLON CABLE TV, INC.
LOCATED IN THE CITY OF MASSILLON, STARK COUNTY, OHIO ALSO BEING PART OF OUTLOT 83 AND ALL OF LOT 15901

34/29



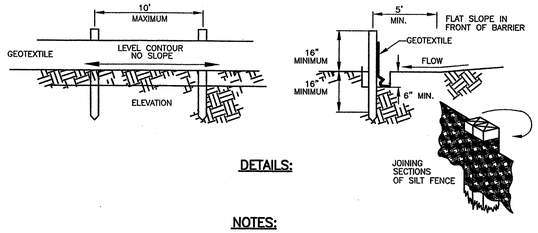
PLAN VIEW

PROFILE

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.



DETAILS:

NOTES:

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTRUBANCE 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 WRAPPED 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 QUALITY. 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.

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 ESC 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 SEEDED 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 SEVEN (7) 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 TWENTY–ONE (21) 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 GROUNDCOVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE AND MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITION.

I. SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED TO PREVENT SOIL LOSS. STABILIZATION SHALL BE REQUIRED IF STOCKPILES ARE LOCATED WITHIN CRITICAL AREAS NEAR STREAMS OR WETLANDS, OR IF DETERMINED BY THE STARK SWCD THAT SEDIMENT FROM STOCKPILES WILL LEAVE THE SITE.

J. 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. 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.

K. 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.

L. STABILIZE DISTURBED OR MODIFIED DRAINAGE WAYS. REDUCE EROSION EFFECTS OF STORM WATER BY USING AND/OR MAINTAINING GRASSED SWALES, INFILTRATION STRUCTURES, OR WATER DIVERSIONS.

M. 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.

N. TRENCHES FOR UNDERGROUND UTILITY LINES AND PIPES SHALL BE TEMPORALLY STABILIZED WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN INACTIVE FOR THIRTY (30) DAYS. TRENCH DEWATERING 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.

O. DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR A PERIOD OF 21 DAYS OR MORE SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER APPROPRIATE MEANS WITHIN 7 DAYS.

P. EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON DITCHES GREATER THAN 1.5% AND ALL SLOPES GREATER THAN 6% GRADE.

Q. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

R. OFF–SITE VEHICLE TRACKING SEDIMENT SHALL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD(S) NOTED ON THE PLAN.

S. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (1996).

T. OTHER EROSION AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.

U. WINTERIZATION – ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 21 DAYS OR MORE MUST BE SEEDED AND MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN NOVEMBER 1 AND MARCH 1.

V. CONCRETE CEMENT IS TO BE TAKEN BACK TO PLANT FOR WASHOUT AND RECYCLING.

5. CONTRACTOR'S CONSTRUCTION SEQUENCE:

A. CONTRACTOR TO SETUP A PRE–CONSTRUCTION MEETING WITH STARK SWCD TO REVIEW THE PLAN AND CONSTRUCTION SEQUENCING BEFORE EARTHWORK IS PERMITTED. CALL STARK SWCD AT (330) 830–7700.

B. INITIAL CLEARING AND GRUBBING TO GAIN ACCESS, AND INSTALLATION OF SILT FENCE AS SHOWN ON PLANS WITHIN SEVEN (7) DAYS OF CLEARING AND GRUBBING.

C. FINAL CLEARING AND GRUBBING FOLLOWED BY EARTH MOVING TO BRING SITE TO SUBGRADE ELEVATIONS.

D. CONTRACTOR TO PROVIDE REGULAR MAINTENANCE INSPECTION AND REPAIR OF EROSION AND SEDIMENT CONTROL DEVICES.

E. PRE–WINTER STABILIZATION MEETING IF PROJECT IS TO BE THROUGH THE WINTER.

F. FINAL GRADING AND PERMANENT SOIL STABILIZATION WITHIN 30 DAYS OF FINISHING FINAL GRADE.

G. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.

TEMPORARY SEEDING SPECIES SELECTION			
SEEDING DATES	SPECIES	LB./1,000 FT.^{2}	PER ACRE
MARCH 1 TO AUGUST 15	OATS TALL FESCUE ANNUAL RYEGRASS	3 1 1	4 BUSHEL 40 LB. 40 LB.
	PERENNIAL RYGRASS TALL FESCUE ANNUAL RYEGRASS	1 1 1	40 LB. 40 LB. 40 LB.
AUGUST 16 TO NOVEMBER 1	RYE TALL FESCUE ANNUAL RYEGRASS	3 1 1	2 BUSHEL 40 LB. 40 LB.
	WHEAT TALL FESCUE ANNUAL RYEGRASS	3 1 1	2 BUSHEL 40 LB. 40 LB.
	PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 1 1	40 LB. 40 LB. 40 LB.
NOVEMBER 1 TO SPRING SEEDING	USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.		
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 21 DAYS OR MORE. THESE IDLE AREAS SHOULD BE SEEDED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEEDED 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 CYCLONE 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)

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

PERMANENT SEEDING (S)

1. PERMANENT SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YR. FROM THE TIME OF PLANTING. SEEDED AREAS SHALL BE INSPECTED FOR FAILURE AND VEGETATION RE–ESTABLISHED AS NEEDED, DEPENDING ON SITE CONDITIONS, IT MAY BE NECESSARY TO IRRIGATE, FERTILIZE, OVER SEED, OR RE–ESTABLISH PLANTINGS IN ORDER TO PROVIDE PERMANENT VEGETATION FOR ADEQUATE EROSION CONTROL.
2. MAINTENANCE FERTILIZATION RATES SHALL BE ESTABLISHED BY SOIL TEST RECOMMENDATIONS OR BY USING THE RATES SHOWN IN THE FOLLOWING

MAINTENANCE FOR PERMANENT SEEDINGS FERTILIZATION AND MOWINGABLE.					
MIXTURE	FORMULA	LB./AC.	LB./1,000 FT.^{2}	TIME	MOWING
CREEPING RED FESCUE RYEGRASS KENTUCKY BLUEGRASS	10–10–10	500	12	FALL, YEARLY OR AS NEEDED.	NOT CLOSER THAN 3"
TALL FECUE	10–10–10	500	12		NOT CLOSER THAN 4"
DWARF FESCUE	10–10–10	500	12		NOT CLOSER THAN 2"
CROWN VETCH FESCUE	0–20–20	400	10	SPRING, YEARLY FOLLOWING ESTABLISH–MENT AND EVERY 4–7 YR. THEREAFTER	DO NOT MOW
FLAT PEA FESCUE	0–20–20	400	10		DO NOT MOW
NOTE: FOLLOWING SOIL TEST RECOMMENDATIONS IS PREFERRED TO FERTILIZER RATES SHOWN ABOVE.					

MAINTENANCE OF PERMANENT SEEDING (S)

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SCALES:
HORIZ: 1"=20'
CONTOUR INTERVAL=1'

SOIL EROSION CONTROL NOTES & DETAILS
MASSILLON CABLE TV, INC.
LOCATED IN THE CITY OF MASSILLON, STARK COUNTY, OHIO ALSO BEING PART OF OUTLOT 83 AND ALL OF LOT 15901

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