

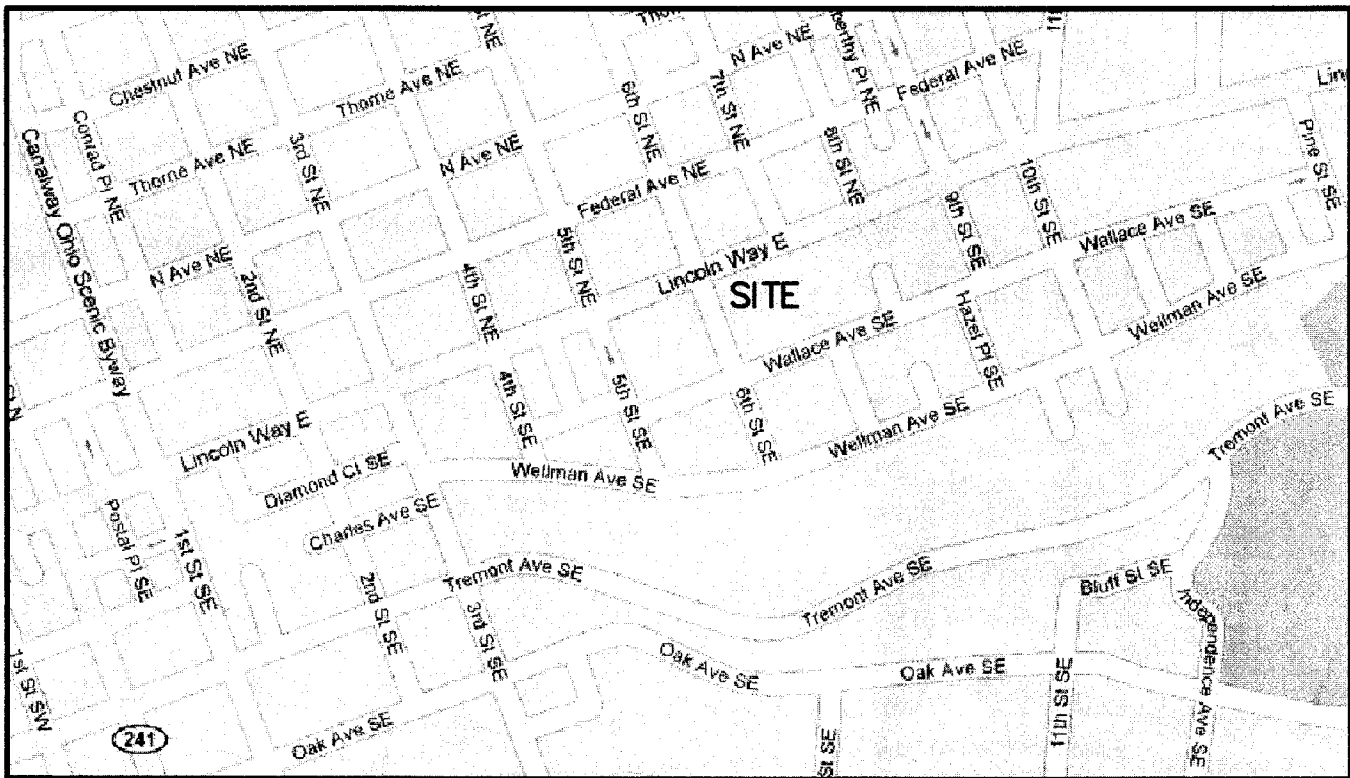
LEGEND

- R/W RIGHT OF WAY
CL CENTER LINE
PL PROPERTY LINE
LL LOT LINE
O EX. MONUMENT FOUND (AS NOTED)
● 1/2 INCH IRON BAR W/ H&A CAP SET
() RECORD BEARINGS & DISTANCES
E.O.P. EDGE OF PAVEMENT
F.F. FINISH FLOOR ELEVATION
----- FENCE (AS NOTED)
----- GUARD RAIL
■ MAILBOX
⊙ POST
⊙ POWER POLE
⊙ TELEPHONE POLE
⊙ TELEPHONE/ LIGHT POLE
⊙ TELEPHONE/ POWER POLE
⊙ GENERAL POLE
⊙ LIGHT POLE
⊙ LIGHT/ POWER POLE
⊙ LIGHT/ POWER/ TELEPHONE POLE
⊙ LIGHT/ POWER/ TELEPHONE, CABLE TV POLE
↓ ANCHOR
--- RAIL ROAD
+ SIGN (AS NOTED)
● TREE (AS NOTED)
▽ H.C. RAMP W/ TRUNCATED DOME
T/G TOP OF GRATE
T/C TOP OF COVER
FL FLOW LINE
-TV- CABLE LINE
☒ CABLE BOX
-E- ELECTRIC LINE
☒ ELECTRIC BOX
-G- GAS LINE
Ⓢ GAS LINE MARKER
-S- SANITARY SEWER LINE
O EX. MANHOLE (AS NOTED)
● PROP. MANHOLE (AS NOTED)
CO CLEAN OUT
-ST- STORM SEWER LINE
□ EX. STORM C.B.
■ PROP. STORM C.B.
YD YARD DRAIN
FD FLOOR DRAIN
RD ROOF DRAIN
DS DOWN SPOUT
-T- TELEPHONE LINE
☒ TELEPHONE BOX
-W- WATER LINE
α EX. FIREHYDRANT
⊙ PROP. FIREHYDRANT
x EX. VALVE (AS NOTED)
x PROP. VALVE (AS NOTED)
----- EX. CONTOUR LINE
----- PROP. CONTOUR LINE
980 CONTOUR LABEL
+980.25 SPOT ELEVATION
+979.75
◆ SOIL BORING

PARKING LOT EXPANSION:
FIRST BAPTIST CHURCH OF MASSILLON

SITUATED IN THE CITY OF MASSILLON, STARK COUNTY,
OHIO & BEING ALL OF LOTS 1456, 1457, & 1458

AUGUST 2008



VICINTY MAP

N.T.S.

ENGINEER/ SURVEYOR

HAMMONTREE & ASSOCIATES, LTD.
5233 STONEHAM ROAD
NORTH CANTON, OHIO 44720

ATTN: JENNIFER SCHUMACHER
PHONE: (330) 499-8817
FAX: (330) 499-0149

OWNER/ DEVELOPER

FIRST BAPTIST CHURCH OF MASSILLON
20-SIXTH STREET S.E.
MASSILLON, OH 44646

ATTN: PASTOR ROGER ALBER
PHONE: (330) 832-1234
FAX: (330) 832-1263

GENERAL NOTES

1. PRIOR TO THE COMMENCEMENT OF ANY PROJECT, A PRE-CONSTRUCTION MEETING WILL BE HELD AT THE CITY ENGINEER'S OFFICE. AT THIS TIME, THE PROJECT WILL BE DISCUSSED IN REGARD TO PROCEDURE, MATERIALS, INSPECTION, ETC...
2. THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED ON THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN 48 HOURS IN ADVANCE OF EXCAVATION (ORC 3781.28).
3. TRAFFIC SHALL BE MAINTAINED ON ALL ADJOINING STREETS AT ALL TIMES. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).
4. ALL TRENCHES BENEATH THE PAVEMENT SHALL BE COMPACTED IN LIFTS AND WITH MATERIAL SPECIFIED BY THE CITY ENGINEERING DEPARTMENT OR ANY APPLICABLE O.D.O.T. SPECIFICATIONS.
5. PAVEMENT MARKINGS SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS, JANUARY 1, 2005, ITEMS 641, 642 AND 740.

INDEX OF SHEETS

- 1 COVER SHEET
- 2 EXISTING/DEMOLITION PLAN
- 3 SITE DIMENSION PLAN
- 4 GRADING PLAN
- 5 UTILITY PLAN
- 6 SOIL EROSION CONRTOL PLAN
- 7 SOIL EROSION CONTROL NOTES & DETAILS

APPROVALS

APPROVED BY THE MASSILLON CITY ENGINEER

THIS ____ DAY OF _____, 20 ____

KEITH A. DYLEWSKI, PE

ONLY APPROVED SIGNED PLANS BY THE CITY
ENGINEER ARE TO BE USED FOR CONSTRUCTION

BENCHMARK #1:

2 NAILS 1' UP NORTH SIDE OF POWER POLE #252101-89,
EAST SIDE OF CHURCH PARKING LOT, 175' SOUTH OF
LINCOLN WAY EAST (NAVD88)

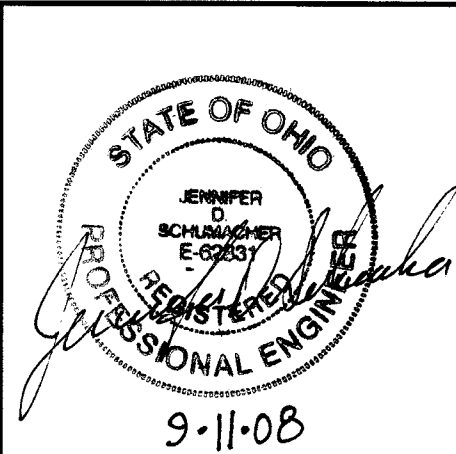
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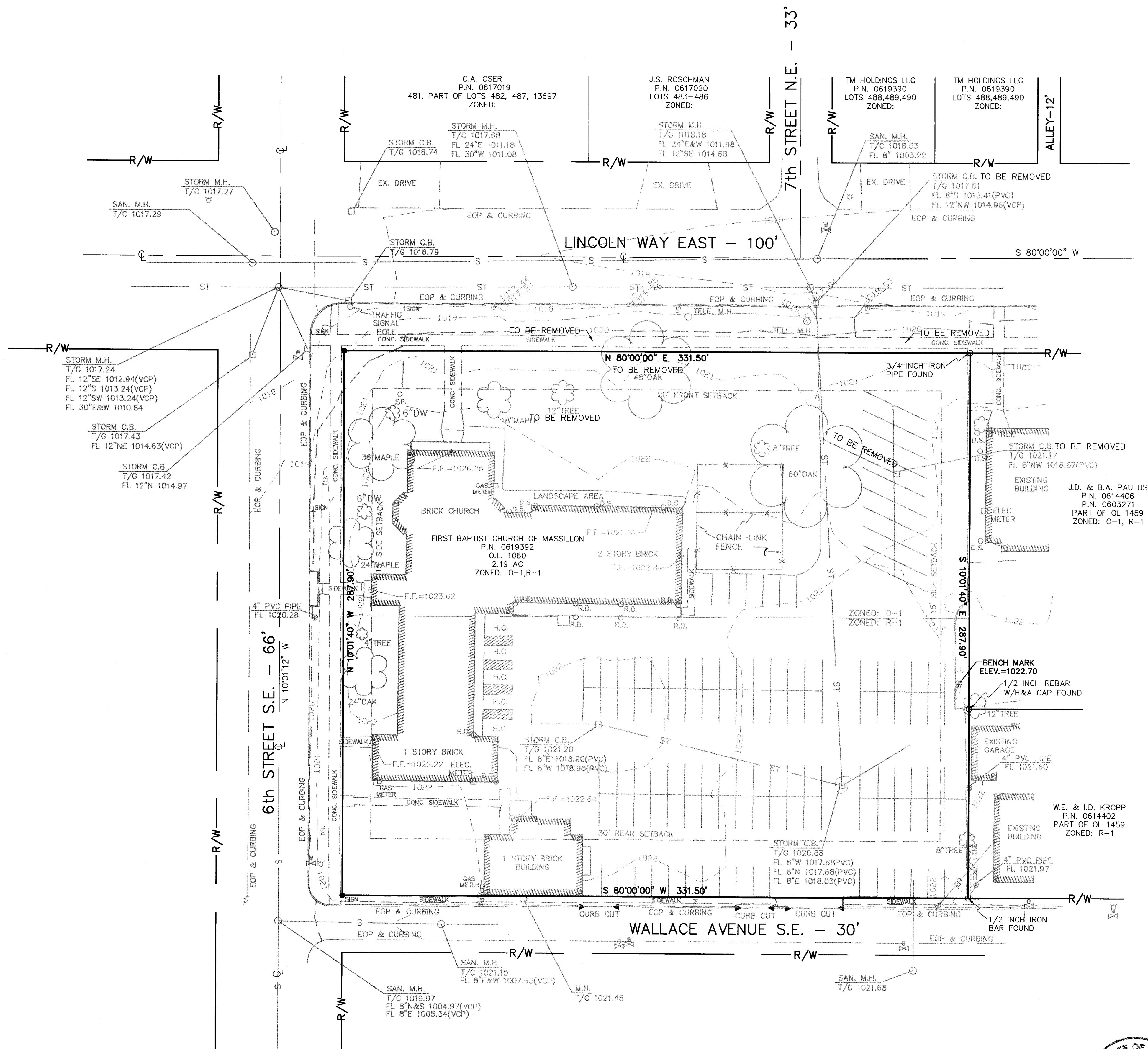
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SCALES
HORIZ: N/A
VERT: N/A
CONTOUR: INT: N/A

COVER SHEET
PARKING LOT EXPANSION
FOR: FIRST BAPTIST CHURCH OF MASSILLON
LOCATED IN THE CITY OF MASSILLON, STARK CO.
OHIO & BEING ALL OF LOTS 1456, 1457, & 1458





ZONING

ZONING DISTRICT: R-1, SINGLE FAMILY RESIDENTIAL FRONT
SET BACK - 25 FEET
SIDE SET BACK - 6 OR 8 FEET
REAR SET BACK - 30 FEET
MAXIMUM BUILDING HEIGHT - 25 FEET

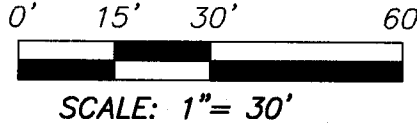
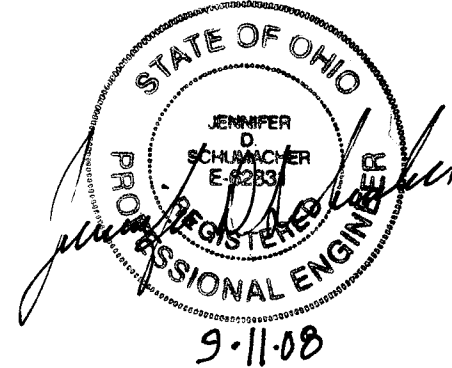
ZONING DISTRICT: O-1, OFFICE
FRONT SET BACK - 20 FEET
SIDE SET BACK - 15 FEET
REAR SET BACK - 20 FEET
MAXIMUM BUILDING HEIGHT - 30 FEET

PARKING REQUIREMENTS: (FOR BOTH DISTRICTS)
1 SPACE FOR EACH 6 SEATS OR 12 FEET OF PEWS IN MAIN WORSHIP AREA.

PARKING SPACES PROVIDED: 116 REGULAR SPACES +5 HANDICAP SPACES 121 TOTAL PARKING SPACES

DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL, IN A LOCATION APPROVED BY THE GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS OUTLINED IN THE GEOTECHNICAL REPORT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
2. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
3. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY COMPANIES FOR ONSITE LOCATION OF EXISTING UTILITIES.
4. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE, AND/OR GAS LINES THAT NEED TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ANY ROAD RIGHT OF WAY DURING CONSTRUCTION.
5. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED TO ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND REPAIR.
6. SAWCUT & REMOVE TO FULL DEPTH AT ALL PAVEMENT LIMITS OR TO EXISTING JOINTS.
7. CONTRACTOR SHALL MAINTAIN A WELL-DRAINED SITE, FREE OF STANDING WATER DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY DRAINAGE MEASURES DURING CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING CONSTRUCTION FENCE, SIGNS, ETC. TO WARN AND KEEP PEOPLE OFF SITE FOR THE DURATION OF THE PROJECT.
9. EXTENTS OF DEMOLITION WORK IS NOT LIMITED TO ONLY WHAT IS SHOWN TO BE DEMOLISHED ON THIS PLAN. DEMOLITION WORK MUST BE COMPLETE SO THE PROPOSED BUILDING, PARKING LOT AND APPURTENANCES CAN BE CONSTRUCTED.
10. CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH THE CITY BUILDING DEPARTMENT AND POLICE DEPARTMENT. ALL MEASURES AND DEVICES SHALL CONFORM WITH THE OHIO MANUAL OF TRAFFIC CONTROL DEVICES.



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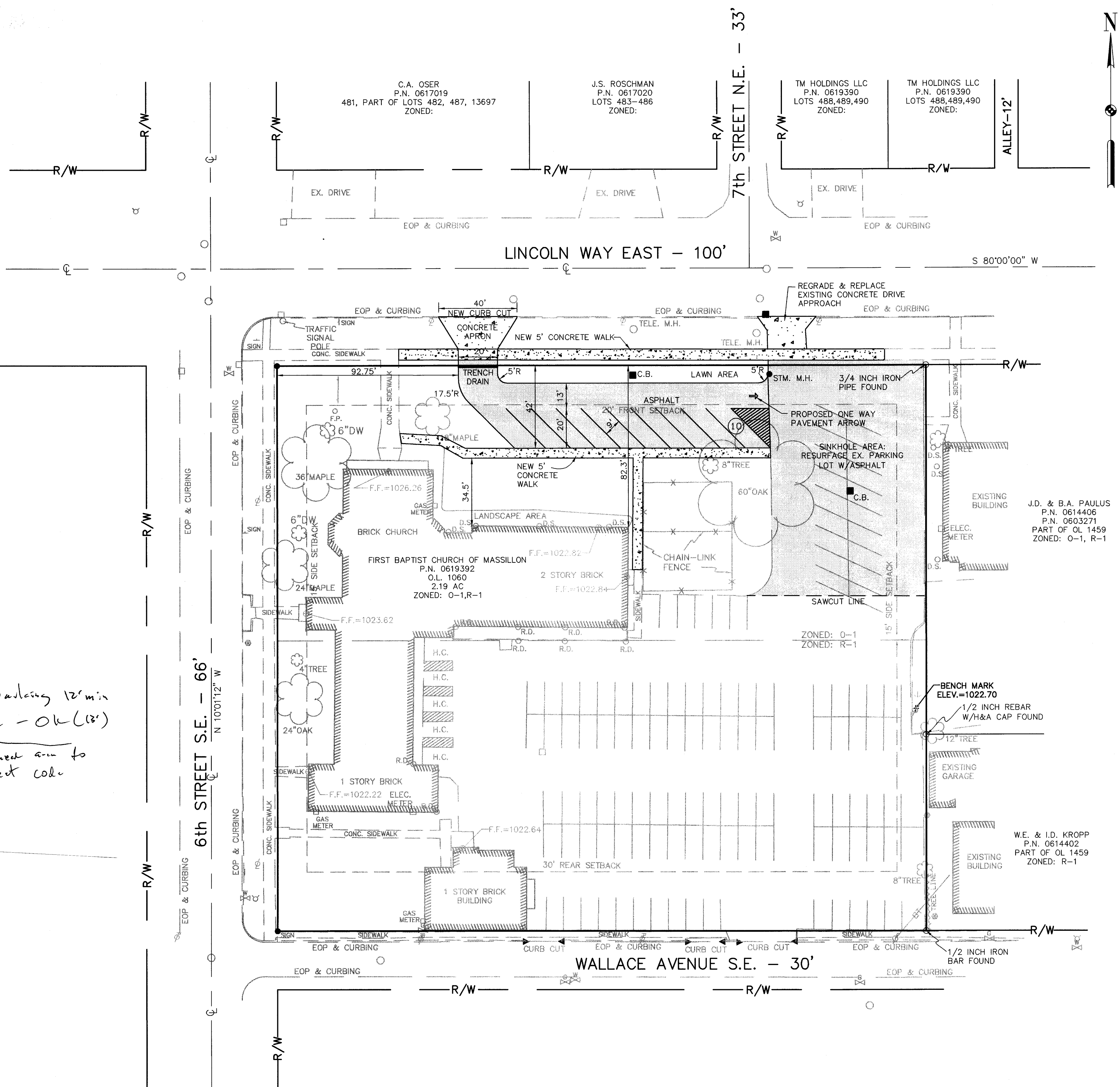
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EXISTING/ DEMOLITION PLAN
PARKING LOT EXPANSION
FOR: FIRST BAPTIST CHURCH OF MASSILLON
LOCATED IN THE CITY OF MASSILLON, STARK CO.
OHIO & BEING ALL OF LOTS 1456, 1457, & 1458

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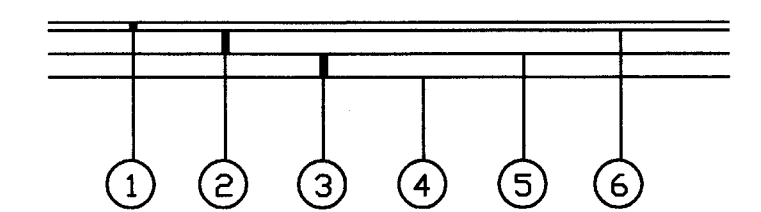
7

430 parking 12 min
lane - OK (12)
resurfaced area to
meet code



NOTES

1. THE TEN NEW PARKING SPACES ARE TO BE STRIPPED AT A 45° ANGLE.
2. EXISTING PARKING ON THE SITE IS 121 SPACES INCLUDING 5 HANDICAP SPACES. PROPOSED PARKING IS 10 SPACES FOR A TOTAL PARKING COUNT FOR THE SITE AT 131 SPACES INCLUDING 5 HANDICAP SPACES.
3. SINKHOLE AREA: CONTRACTOR TO REMOVE EXISTING ASPHALT IN THIS AREA DOWN TO THE SUBGRADE AND REMOVE WET/ BAD SOILS AT LEAST THREE FEET BELOW PROPOSED SUBGRADE. RECOMPACT AREA USING 6" LIFTS OF ENGINEERED FILL TO SUBGRADE ELEVATION AND REPAVE AREA PER ASPHALT PAVEMENT SECTION DETAIL.



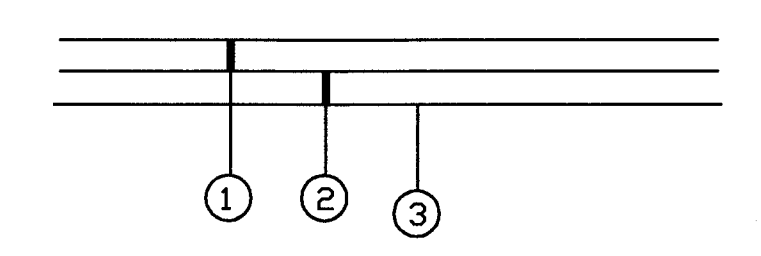
- 1) ITEM 448 1" ASPHALT CONCRETE
- 2) ITEM 301 4" ASPHALT CONCRETE BASE
- 3) ITEM 304 6" AGGREGATE BASE
- 4) ITEM 204 COMPACTED SUBGRADE
- 5) ITEM 408 PRIME COAT TO BE APPLIED AT THE RATE OF 0.4 GAL./SQ. YD.
- 6) ITEM 407 TACK COAT TO BE APPLIED AT THE RATE OF 0.1 GAL./SQ. YD.

ALL ITEMS FROM STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION & MATERIAL SPECIFICATIONS, JAN. 1, 2005.

IF GEOTECHNICAL REPORT RECOMMENDS A DIFFERENT SECTION THEN THE GEOTECHNICAL CONSULTANTS RECOMMENDATIONS SHALL OVERRIDE THIS DETAIL.

ASPHALT PAVEMENT SECTION DETAIL

N.T.S.



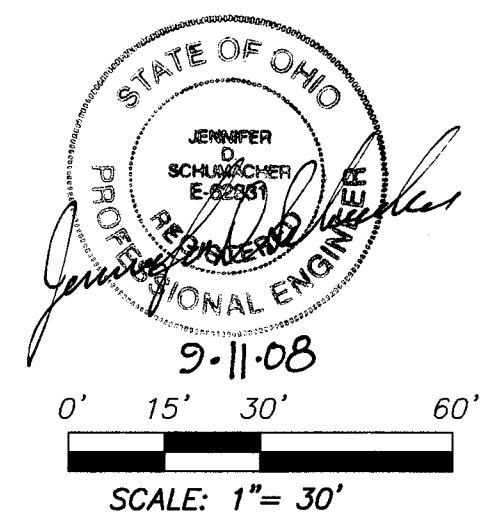
- 1) ITEM 452 6" PLAIN CONCRETE
- 2) ITEM 304 4" AGGREGATE BASE
- 3) ITEM 204 COMPACTED SUBGRADE

CONTRACTOR TO SUBMIT SHOP DRAWINGS OF PAVEMENT JOINT LOCATIONS.

ALL ITEMS FROM STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION & MATERIAL SPECIFICATIONS, JAN. 1, 2005.

IF GEOTECHNICAL REPORT RECOMMENDS A DIFFERENT SECTION THEN THE GEOTECHNICAL CONSULTANTS RECOMMENDATIONS SHALL OVERRIDE THIS DETAIL.

REGULAR CONCRETE PAVEMENT SECTION DETAIL



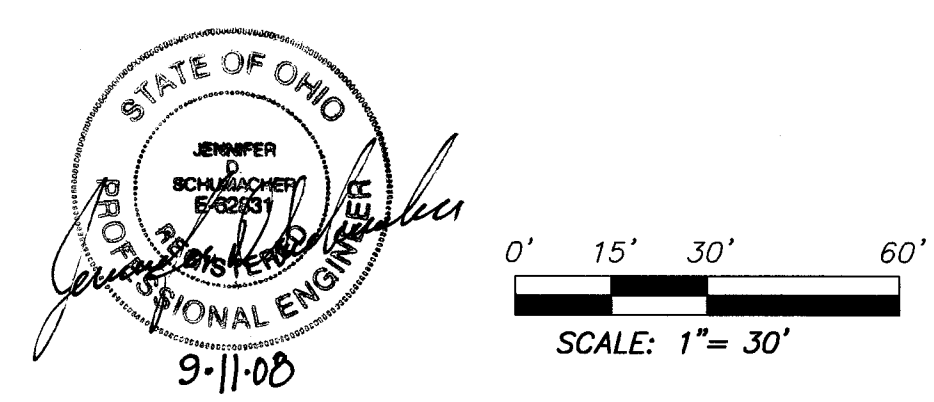
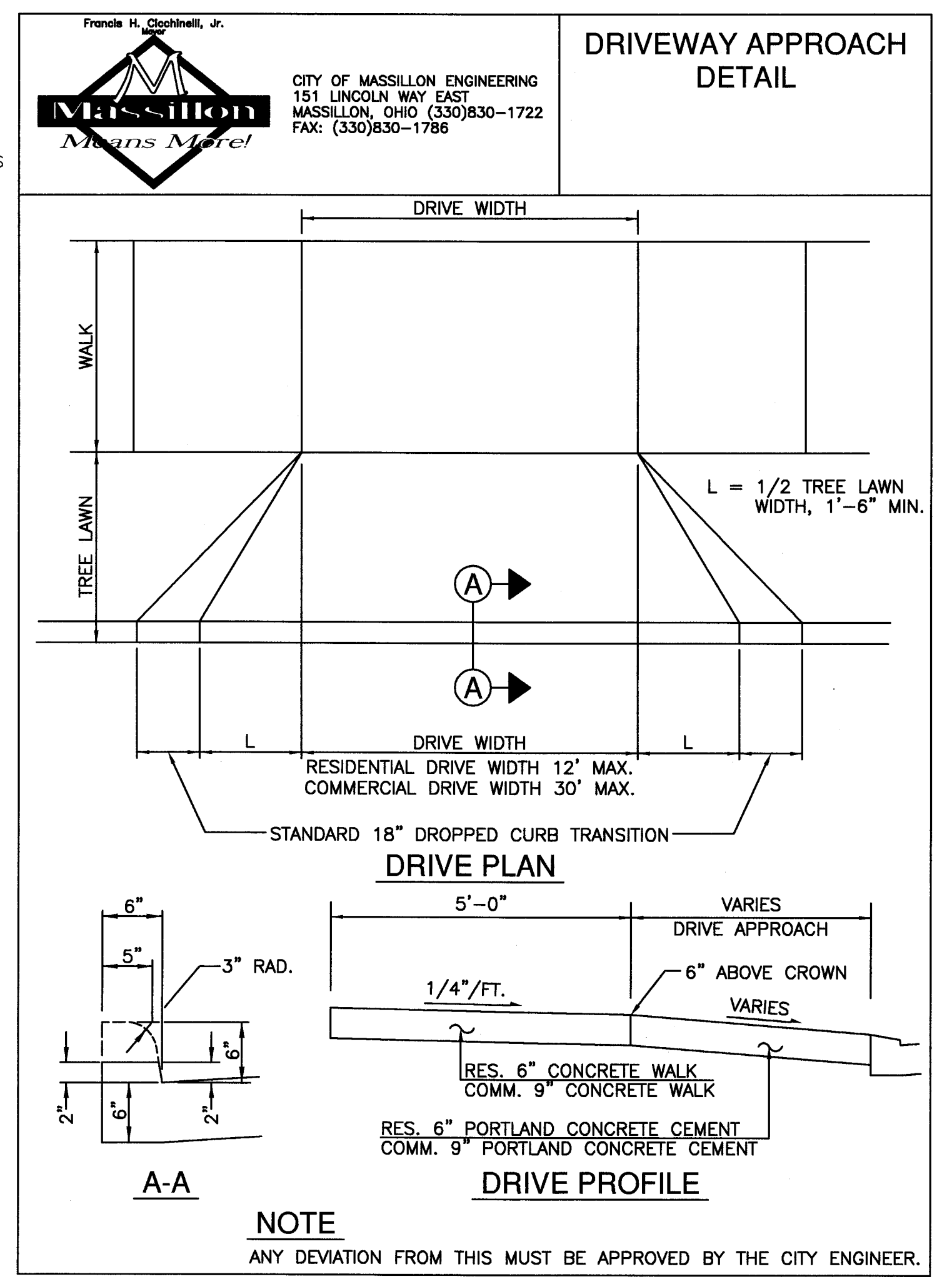
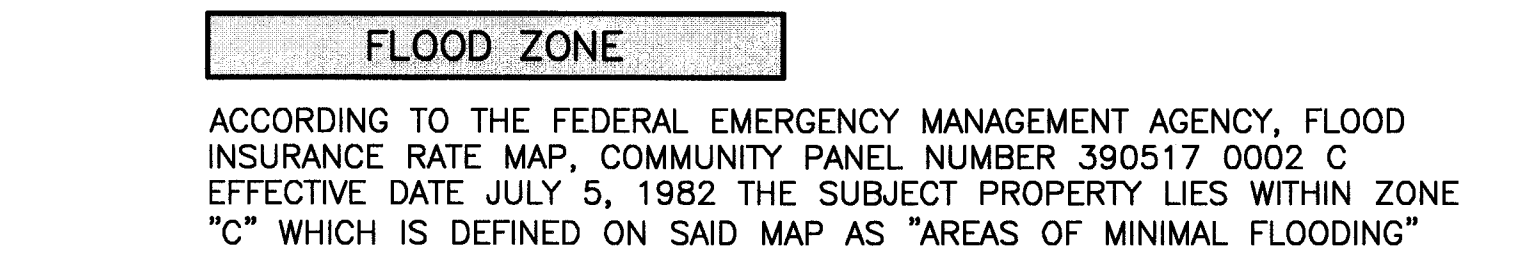
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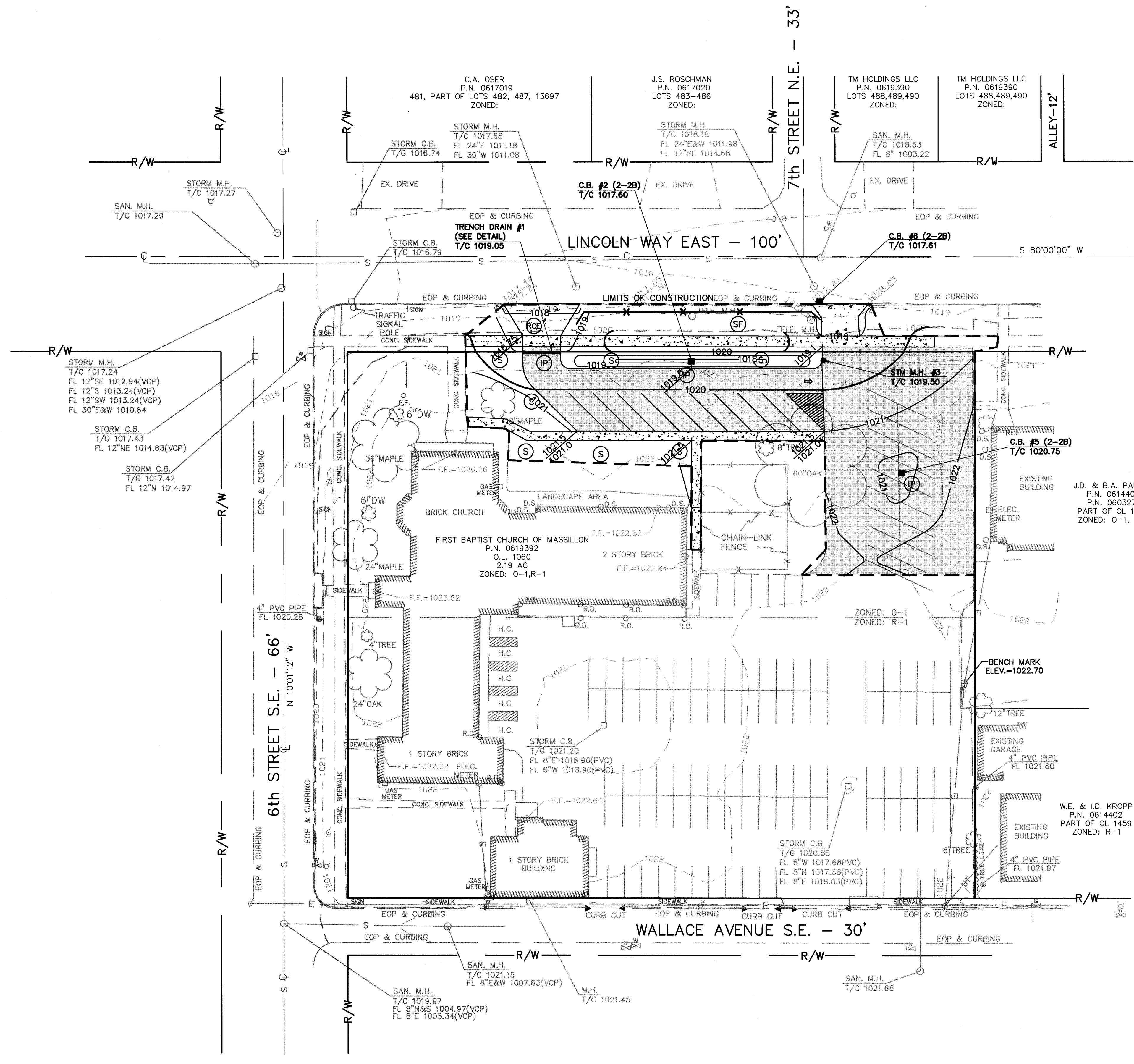
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SITE DIMENSION PLAN
PARKING LOT EXPANSION
FOR: FIRST BAPTIST CHURCH OF MASSILLON
LOCATED IN THE CITY OF MASSILLON, STARK CO.
OHIO & BEING ALL OF LOTS 1456, 1457, & 1458

3
7



	<p align="center">GRADING PLAN</p> <p align="center">PARKING LOT EXPANSION</p> <p>FOR: FIRST BAPTIST CHURCH OF MASSILLON</p> <p>LOCATED IN THE CITY OF MASSILLON, STARK CO.</p> <p>OHIO & BEING ALL OF LOTS 1456, 1457, & 1458</p>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; position: relative;"> 4 7 </div>																									
SCALES HORIZ.: 1" = 30' VERT.: N/A CONTOUR: INT: 1'																											
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<div style="float: right; text-align: right;"> <small> R:\STARK\CTTY\MASSELLON\1456\SSD\PLAN\2008-08-28 SITE PLANNING </small> </div>																											
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-weight: bold; font-size: 2em;">HAI</div> <div style="text-align: right;"> <p>HAMMONTREE & ASSOCIATES, LTD.</p> <p>ENGINEERS, PLANNERS, SURVEYORS</p> <p>CANTON-AKRON-PITTSBURGH</p> <p>5233 STONEHAM ROAD, NORTH CANTON, OHIO 44720</p> <p>AKRON(330)/633-7274 FAX: (330)/499-0149</p> <p>TOLL FREE: 1-800-394-8817</p> <p>www.hammontree-engineers.com</p> </div> </div>																											



SITE INFO

SITE DESCRIPTION
EXISTING - OPEN SPACE/ EX. PARKING LOT
PROPOSED - PARKING LOT

TOTAL AREA OF SITE - 2.19 ACRES
AREA OF SITE TO UNDER GO EXCAVATION - 0.58± ACRES

PRE-CONSTRUCTION RUNOFF COEFFICIENT - 0.50
POST-CONSTRUCTION RUNOFF COEFFICIENT - 0.70

SCHEDULE OF MAJOR CONSTRUCTION
COMMENCEMENT - FALL 2008
COMPLETION - FALL 2009

RECEIVING STREAM & SURFACE WATER
ONSITE DRAINAGE FLOWS TO A STORM SEWER SYSTEM LOCATED ON LINCOLN WAY EAST

EXISTING SOILS ON SITE
DKC DEKALB SANDY LOAM, 6 TO 12 PERCENT SLOPES

CONSTRUCTION SEQUENCE

1. INSTALL SILT FENCE AND CONSTRUCTION ENTRANCE AS SHOWN ON PLANS. (CONTRACTOR SHALL DESIGNATE THE AREA UTILIZED FOR CONSTRUCTION ENTRANCE.)
2. CLEAR TREES, BRUSH AND STUMPS AS NECESSARY.
3. ALL PERIMETER BARRIERS TO BE CONSTRUCTED WITHIN 7 DAYS OF FIRST GRUBBING.
4. INSTALL TEMPORARY SEEDING TO ALL STRUCTURAL EROSION INSTALLATIONS PRIOR TO MASS GRADING OF SITE.
5. STRIP/STOCKPILE TOPSOIL. STOCKPILES THAT ARE INACTIVE FOR 21 DAYS OR LONGER SHALL BE SEEDDED/STABILIZED WITHIN 7 DAYS OF LAST ACTIVITY.
6. MASS GRADING
7. INSTALL UNDERGROUND UTILITIES.
8. INSTALL INLET PROTECTION.
9. BRING PAVEMENT AREAS TO SUB GRADE.
10. INSTALL PAVEMENT. AFTER INSTALLATION OF PAVEMENT REPLACE INLET PROTECTION.
11. FINISH GRADE, SEED AND MULCH ALL DISTRIBUTED AREAS AND MAINTAIN TEMPORARY EROSION CONTROLS AS REQUIRED.
12. UPON COMPLETION AND SITE STABILIZATION, REMOVE ACCUMULATED SEDIMENT AND DEBRIS FROM STORM SYSTEM AND REMOVE SOIL AND EROSION CONTROLS, EXCEPT FOR SILT FENCING. SILT FENCE TO BE REMOVED AFTER 80% OF SITE HAS BEEN STABILIZED.

ADDITIONAL PROVISIONS:

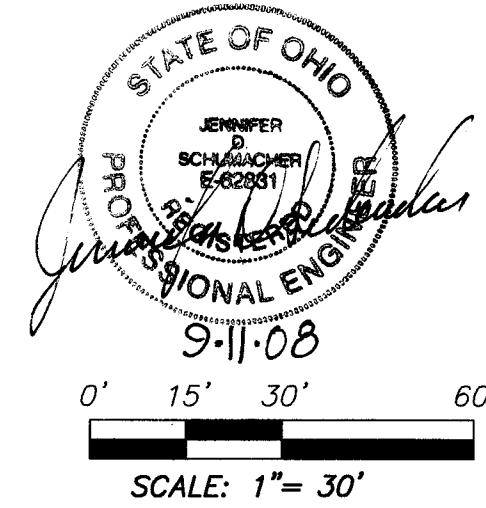
1. INSTALLATION OF SILT FENCING SHALL NOT OCCUR PRIOR TO THE INITIAL CITY PRE-CONSTRUCTION MEETING.
2. CONTINUOUSLY SWEEP DRIVES AND STREET AND MAINTAIN CONSTRUCTION ENTRANCE.
3. ALL AREAS AT FINAL GRADE OR WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR 21 DAYS OR LONGER SHALL BE STABILIZED WITHIN 7 DAYS OF LAST ACTIVITY.

NOTES

"THE CONTRACTOR SHALL PREVENT AND/OR REDUCE AND CONTROL SOIL EROSION RESULTING FROM THE PROPOSED IMPROVEMENTS. THE USE OF SILT FENCING, JUTE MATTING, TEMPORARY SEEDING, SILT CHECKS, INLET PROTECTION AROUND ALL CATCH BASINS, STABILIZED CONSTRUCTION ENTRANCE(S), ETC. WILL BE REQUIRED. SEDIMENT CONTROL STRUCTURES/DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL RAINWATER AND LAND DEVELOPMENT- OHIO'S STANDARDS FOR STORMWATER MANAGEMENT. LAND DEVELOPMENT AND URBAN STREAM PROTECTION. SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUED INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS SET FORTH ON THE APPROVED STORMWATER POLLUTION PREVENTION PLAN IF APPLICABLE, OR AS DETAILED ON THE CONSTRUCTION PLANS, AS SPECIFIED BY THE CITY OF MASSILLON."

LEGEND

- (IP) INLET PROTECTION
- (RE) ROCK CONSTRUCTION ENTRANCE
- (S) SEEDING
- (SF) SILT FENCE



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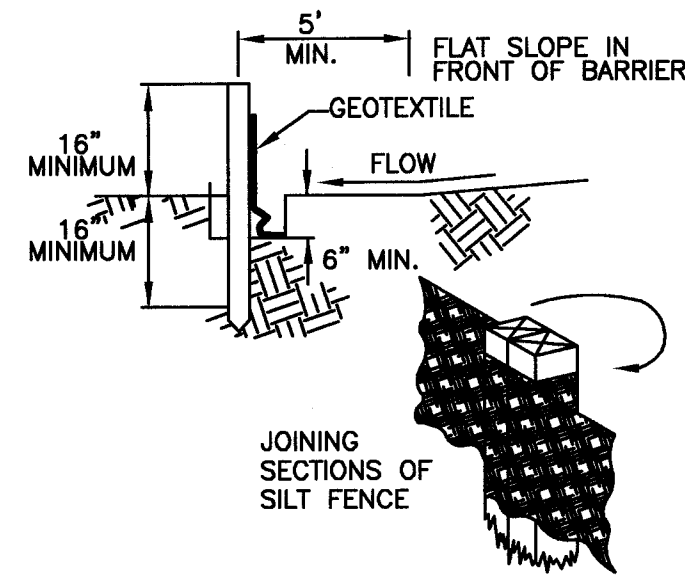
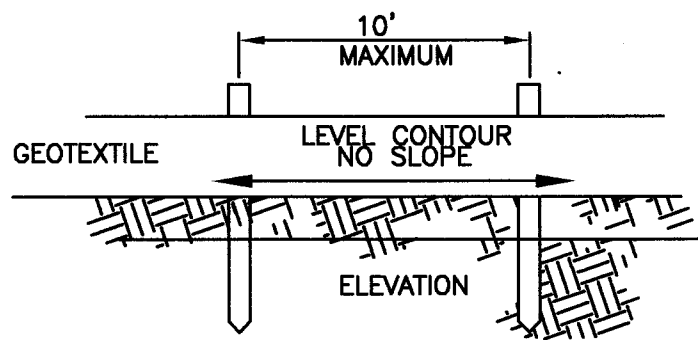
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SCALES
HORIZ: 1"=30'
VERT: N/A
CONTOUR: INT: 1'

SOIL EROSION CONTROL PLAN
PARKING LOT EXPANSION
FOR: FIRST BAPTIST CHURCH OF MASSILLON
LOCATED IN THE CITY OF MASSILLON, STARK CO.
OHIO & BEING ALL OF LOTS 1456, 1457, & 1458

EROSION CONTROL NOTES

- 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.
- 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.
- 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.
- EROSION AND SEDIMENT CONTROL PRACTICES AT THE SITE, AND AS IDENTIFIED IN THE ESC PLAN SHALL COMPLY WITH THE FOLLOWING:
 - AN APPROVED EROSION AND SEDIMENT CONTROL PLAN OR APPROVAL LETTER FROM THE LOCAL SWCD SHALL BE LOCATED ON SITE FOR REVIEW.
 - 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.
 - 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.
 - 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.
 - 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).
 - 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 DRAINAGE WAY 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 MANUAL. 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.
 - STORM SEWER INLETS SHALL BE PROTECTED SO THAT SEDIMENT-LADEN RUNOFF WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED AND/OR TREATED. SANITARY SEWER MANHOLES SHALL BE PROTECTED SO THAT NO STORM RUNOFF WILL ENTER THE SANITARY SEWER SYSTEM.
 - 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 GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE AND MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITION.
 - 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 LOCAL SWCD THAT SEDIMENT FROM STOCKPILES WILL LEAVE THE SITE.
 - 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.
 - 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.
 - STABILIZE DISTURBED OR MODIFIED DRAINAGE WAYS. REDUCE EROSION EFFECTS OF STORM WATER BY USING AND/OR MAINTAINING GRASSED SWALES, INFILTRATION STRUCTURES, OR WATER DIVERSIONS.
 - 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, OBSERVATIONS, ACTIONS TAKEN TO CORRECT ANY PROBLEMS AND THE DATE CORRECTIVE ACTIONS WERE TAKEN.
 - 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 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.
 - 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.
 - SOLID, SANITARY AND TOXIC WASTE MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. IT IS PROHIBITED TO BURN, BURY OR POUR OUT ONTO THE GROUND OR INTO THE STORM SEWERS ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CEMENT CURING COMPOUNDS AND OTHER SUCH TOXIC OR HAZARDOUS WASTES. STORAGE TANKS SHOULD BE LOCATED IN DIKED AREAS AWAY FROM ANY DRAINAGE CHANNELS. THE DIKED AREA SHOULD HOLD A VOLUME 110% OF THE LARGEST TANK.
 - OFF-SITE VEHICLE TRACKING SEDIMENT SHALL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD(S) NOTED ON THE PLAN. OFFSITE SEDIMENT TRACKING SHALL BE CONTROLLED BY REGULARLY SCHEDULED SWEEPING OF OFFSITE ACCESS ROADS AND MAINTENANCE OF ROCK CONSTRUCTION ENTRANCE.
 - ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (2006).
 - OTHER EROSION AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
 - 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.
 - CONCRETE CEMENT IS TO BE TAKEN BACK TO PLANT FOR WASHOUT AND RECYCLING.
- CONTRACTOR'S POTENTIAL CONSTRUCTION SEQUENCE:
 - CONTRACTOR TO SETUP A PRE-CONSTRUCTION MEETING WITH LOCAL SWCD TO REVIEW THE PLAN AND CONSTRUCTION SEQUENCING BEFORE EARTHWORK IS PERMITTED.
 - ESTABLISH STABILIZED CONSTRUCTION ENTRANCES AS DETAILED AND MARKED ON THE PLAN.
 - COMPLETE INITIAL CLEARING AND GRUBBING TO GAIN ACCESS FOR PERIMETER CONTROLS. INSTALL SILT FENCE AND PERIMETER CONTROLS AS SHOWN ON PLANS WITHIN SEVEN (7) DAYS OF CLEARING AND GRUBBING.
 - COMPLETE CLEARING AND GRUBBING FOR BASINS FOLLOWED BY INSTALLATION OF SEDIMENT/DETENTION/WATER QUALITY BASINS AND CONSTRUCTION OF OUTLET STRUCTURES.
 - CONTINUE MASS GRADING AND UTILITY INSTALLATION.
 - CONTRACTOR TO PROVIDE REGULAR MAINTENANCE INSPECTION AND REPAIR OF EROSION AND SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH EROSION CONTROL NOTE 4.M.
 - CONTRACTOR TO CONDUCT A PRE-WINTER STABILIZATION MEETING WITH LOCAL SOIL AND WATER CONSERVATION DISTRICT IF PROJECT IS TO BE DORMANT THROUGH THE WINTER.
 - PERMANENT SOIL STABILIZATION AND SEEDING IS REQUIRED WITHIN 7 DAYS OF FINISHING FINAL GRADES.
 - REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES IS PERMITTED WHEN A MINIMUM OF 80% OF UPSTREAM AREA IS STABILIZED.
 - FINAL STABILIZATION MEETING WITH PROVISIONS FOR LONG-TERM MAINTENANCE OF STORM WATER FACILITIES INCLUDING MECHANISMS FOR NOTIFICATION OF FUTURE RESPONSIBLE PARTIES AND/OR PROPERTY OWNERS.



- SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
- 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.
- 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.
- WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
- 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 REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE FENCE.
- SOIL STOCKPILES OR OTHER SOURCES OF SEDIMENT SHALL HAVE SILT FENCE PROTECTION.
- 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.
- 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.
- SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
- 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:
 - THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED,
 - ACCUMULATED SEDIMENT SHALL BE REMOVED,
 - OTHER PRACTICES SHALL BE INSTALLED.

CRITERIA FOR SILT FENCE MATERIALS:

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. 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

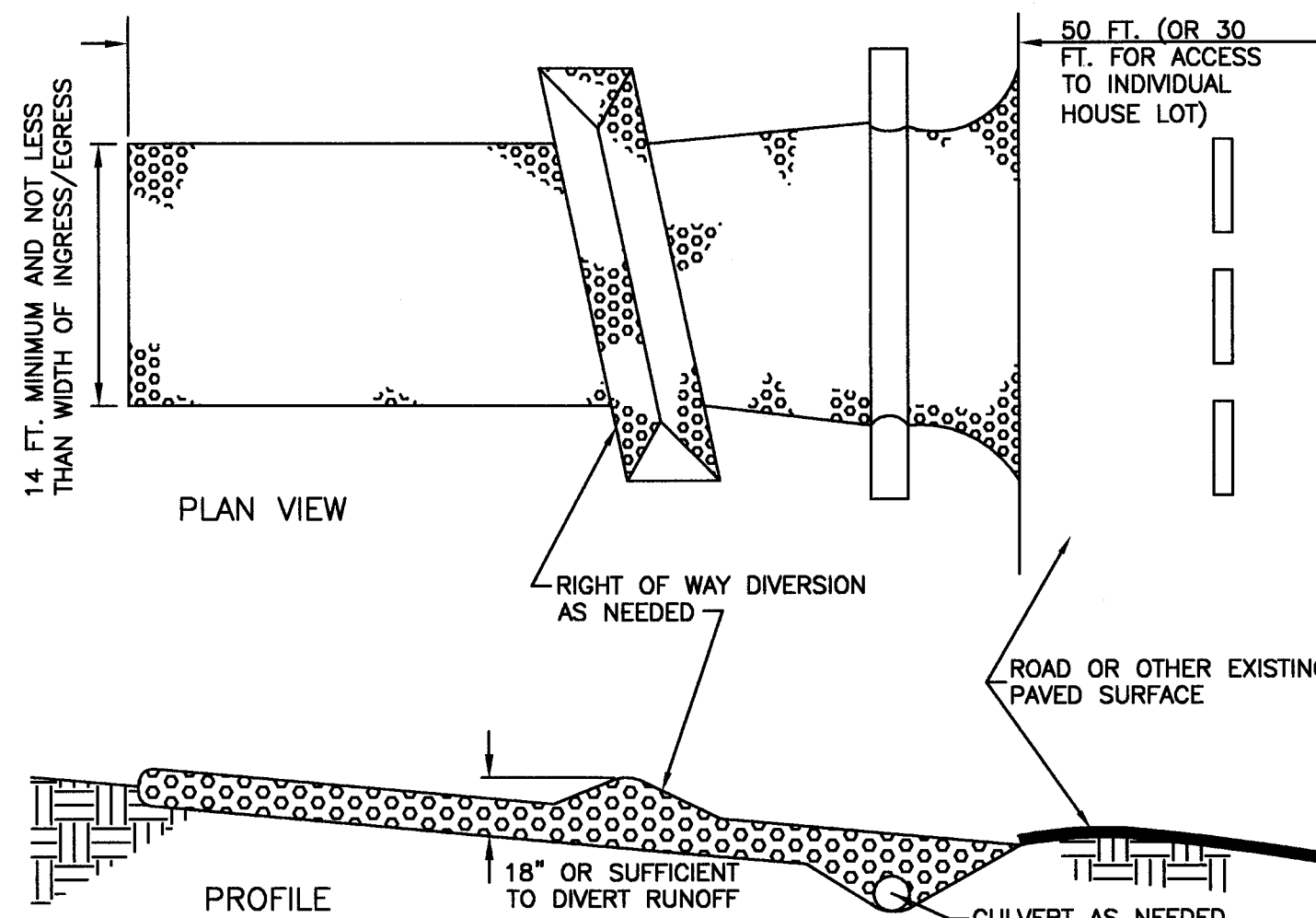
N.T.S.

PERMANENT SEEDING				
SEED MIX	SEEDING RATE			NOTES:
	LB./AC.	LB./1,000 FT. ²		
GENERAL USE				
CREEPING RED FESCUE	20-40	1 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.

SEEDING

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- STONE SIZE - TWO-INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FT. MINIMUM LENGTH APPLIES.
- THICKNESS - THE STONE LAYER SHALL BE AT LEAST 12 IN. THICK FOR LIGHT DUTY TRAFFIC AND 18 INCH MINIMUM FOR HEAVY DUTY USE.
- WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- 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.
- 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.
- 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.
- 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.
- 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.

ROCK CONSTRUCTION ENTRANCE

N.T.S.

- 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 REESTABLISHED AS NEEDED. DEPENDING ON SITE CONDITIONS, IT MAY BE NECESSARY TO IRRIGATE, FERTILIZE, OVER SEED, OR REESTABLISH PLANTINGS IN ORDER TO PROVIDE PERMANENT VEGETATION FOR ADEQUATE EROSION CONTROL.
- MAINTENANCE FERTILIZATION RATES SHALL BE ESTABLISHED BY SOIL TEST RECOMMENDATIONS OR BY USING THE RATES SHOWN IN THE FOLLOWING

MAINTENANCE FOR PERMANENT SEEDING FERTILIZATION AND MOWING TABLE.					
MIXTURE	FORMULA	LB./AC.	LB./1,000 FT ²	TIME	MOWING
CREEPING RED FESCUE RYEGRASS KENTUCKY BLUEGRASS	10-10-10	500	12		NOT CLOSER THAN 3"
TALL FESCUE	10-10-10	500	12	FALL, YEARLY OR AS NEEDED.	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 ESTABLISHMENT 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.

SEEDING

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SOIL EROSION CONTROL NOTES & DETAILS
PARKING LOT EXPANSION
FOR: FIRST BAPTIST CHURCH OF MASSILLON
LOCATED IN THE CITY OF MASSILLON, STARK CO.
OHIO & BEING ALL OF LOTS 1456, 1457, & 1458



9-11-08