

**CAMPBELL OIL COMPANY**  
**BELLSTORE - FIRST STREET N.E. / LAKE AVENUE N.E.**

BEING ALL OF LOTS 10455, 6078-6082,  
6100-6102 IN THE CITY OF MASSILLON, OHIO

SEPTEMBER, 2006

PREPARED BY:  
HAMMONTREE & ASSOCIATES, LTD  
ENGINEERS, PLANNERS & SURVEYORS  
NORTH CANTON, OHIO

## INDEX OF SHEETS

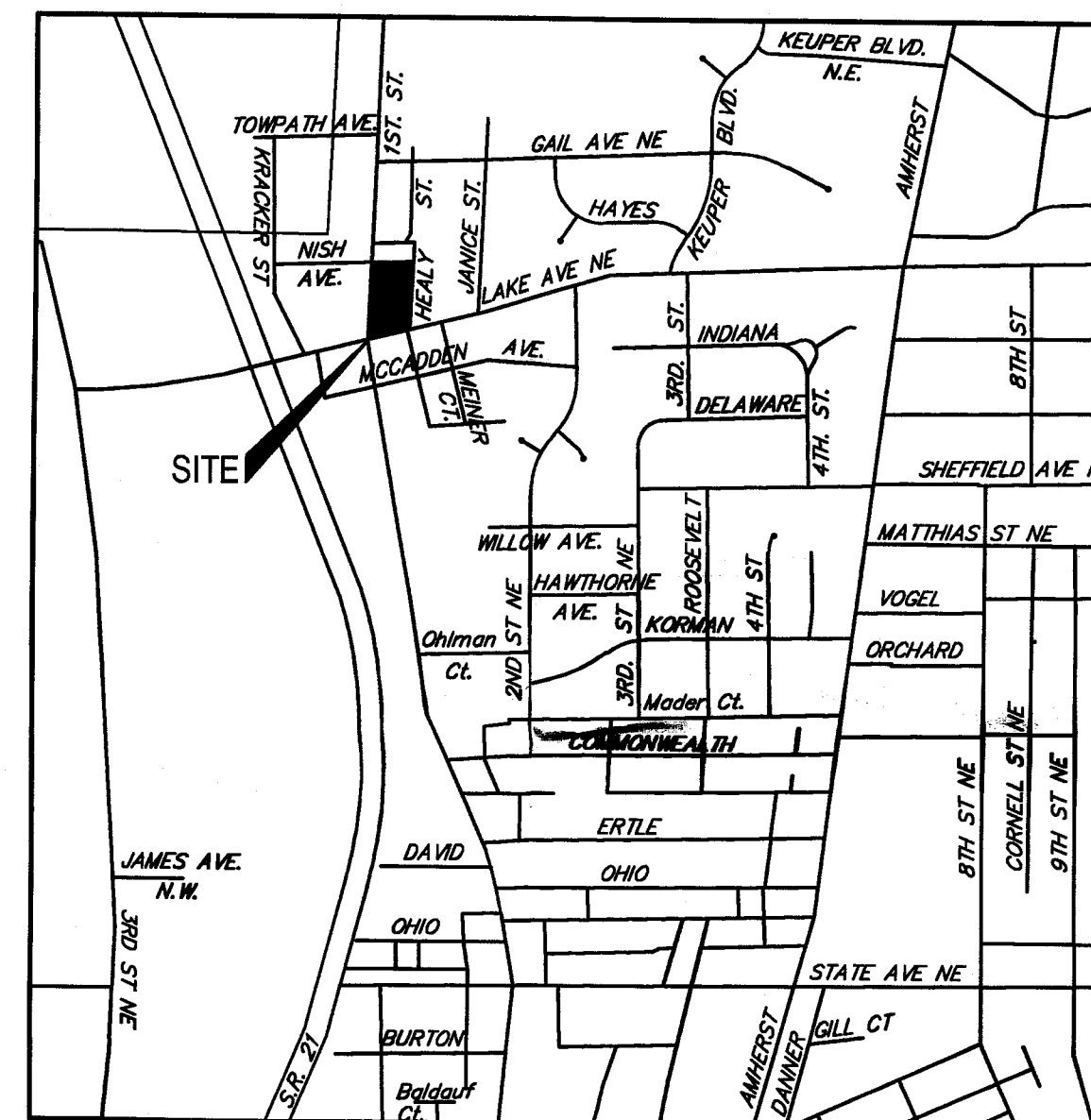
1. COVER SHEET
2. DEMOLITION PLAN
3. SITE DIMENSION PLAN
4. SITE GRADING & SOIL EROSION CONTROL PLAN
5. SITE UTILITY PLAN
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#### LEGEND

R/W	RIGHT-OF-WAY	O
W	WATER LINE	E
S	SANITARY SEWER LINE	C
ST	STORM SEWER LINE	M
G	GAS LINE	A
E	UNDERGROUND ELECTRIC	OR
O/E	OVERHEAD ELECTRIC	T
T	UNDERGROUND TELEPHONE	AP
O/T	OVERHEAD TELEPHONE	H
X X	FENCE	S
⊙	GAS LINE MARKER	W
①	TELEPHONE LINE MARKER	DR
⊖	POWER POLE	WA
⊖	TELEPHONE POLE	SY
⊖	TELEPHONE, LIGHT POLE	BU
⊖	TELEPHONE, POWER POLE	LO
⊖	GENERAL POLE	
⊖	LIGHT POLE	
⊖	LIGHT, POWER POLE	
⊖	LIGHT, POWER, TELEPHONE POLE	
⊖	LIGHT, POWER, TELEPHONE, CABLE T.V. POLE	
—	ANCHOR	
—	SIGN	
□	CATCH BASIN (C.B.)	
○	MAN HOLE (AS LABELED)	
⊠	TRAFFIC CONTROL BOX	
⊠	FIRE HYDRANT	
⊠	VALVE	
⊠	MAIL BOX	
⊠	GUARD POST	
⊠	SOIL BORING	
⊠	MONITORING WELL	
E.O.P.	EDGE OF PAVEMENT	
F.F.	FINISH FLOOR ELEVATION	
Y.D.	YARD DRAIN	
F.D.	FLOOR DRAIN	
R.D.	ROOF DRAIN	
D.S.	DOWN SPOUT	
C.O.	CLEAN OUT	
T/G	TOP OF GRATE	
T/C	TOP OF COVER	
FL	FLOWLINE	
SPOT ELEV.	SPOT ELEV. TOP & BOTTOM OF CURB	

## TREE LEGEND

O	OAK
E	ELM
C	CHERRY
M	MAPLE
A	ASH
OR	ORNAMENTAL
T	TREE
P	PINE
AP	APPLE
W	WILLOW
H	HAWTHORNE
S	SPRUCE
DW	DOGWOOD
WA	WALNUT
SY	SYCAMORE
BU	BUCKEYE
LO	LOCUST



VICINITY MAP

**OWNER/DEVELOPER**

CAMPBELL OIL COMPANY  
611 ERIE STREET S.  
MASSILLON, OH 44648  
ATTN: ROBERT D. ENGEL - VP OF OPERATIONS  
PHONE: 330-833-8555

**ENGINEER/SURVEYOR**

HAMMONTREE & ASSOCIATES, LTD.  
5233 STONEHAM ROAD  
NORTH CANTON, OHIO 44720  
PHONE: (330) 499-8817  
FAX: (330) 499-0149

## APPROVALS

APPROVED BY THE MASSILLON CITY ENGINEER THIS 6th  
DAY OF OCTOBER, 2006.

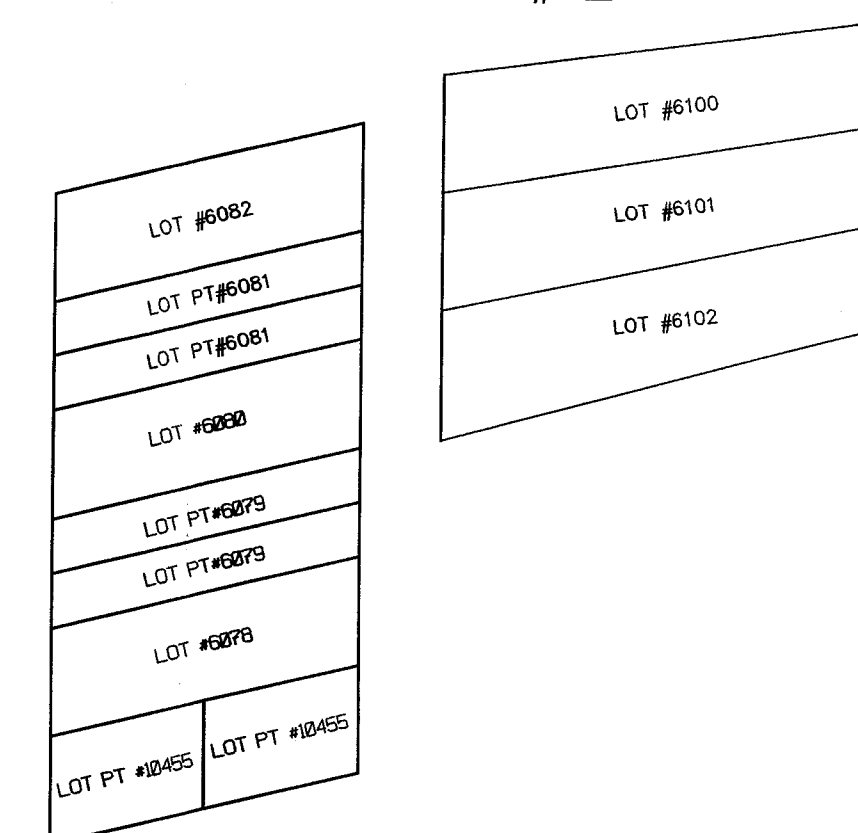
KEITH A. DYLEWSKI, PE

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

## GENERAL NOTES

1. CONTRACTOR IS NOT EXEMPT FROM COMPLIANCE WITH LOCAL COUNTY EROSION / SEDIMENT CONTROL REGULATIONS. CONTRACTOR TO INSTALL AND MAINTAIN EROSION / SEDIMENT CONTROL PRACTICES TO PREVENT SEDIMENT FROM DEPOSITING INTO LOCAL STORM SEWERS, DITCHES, ONTO ADJACENT PROPERTIES AND STREET RIGHT-OF-WAYS. THIS PLAN INDICATES MINIMUM EROSION CONTROL PRACTICES TO USE SUCH AS SILT FENCE, INLET PROTECTION AND ROCK CONSTRUCTION ENTRANCE.
2. ALL STREET PAVEMENT THAT IS DISTURBED DURING THE INSTALLATION OF CURB, DRIVEWAYS, SIDEWALKS AND UTILITY INSTALLATION IS TO BE REPAIRED TO THE SATISFACTION OF THE CITY OF MASSILLON ENGINEER.
3. CONCRETE PERMITS ARE REQUIRED FOR THE NEW DRIVEWAY AND SIDEWALK AREAS. DRIVES AND WALKS ARE TO BE INSTALLED PER CITY OF MASSILLON STANDARDS. CONTACT MASSILLON CITY ENGINEERING DEPARTMENT FOR PERMIT AND INSPECTION REQUIREMENTS.

SITE LOT #'s:



AREA TO UNDERGO REDEVELOPMENT = 0.95 AC.  
(EXCLUDES LOT #'s 6100-6102)

ZONING:

SITE ZONED, B-1 LOCAL BUSINESS DISTRICT  
BUILDING SETBACKS:  
FRONT = 10' (FIRST ST. & LAKE AVE.)  
SIDE = 0 OR 20' IF ADJACENT TO RESIDENTIAL DISTRICT  
REAR = 20' (HEALY ST.)  
PARKING REQUIRED AT 1,200 SQ. FT. = 22  
PARKING PROVIDED = 73  
12 AT DISPENSERS  
26 AT BUILDING  
35 AT EAST PARKING LOT (TO REMAIN)

**BENCHMARK:**

TOP OF HYDRANT AT N.W. CORNER OF LAKE AVE.  
& 1st ST. FROM LAKE AVE. WIDENING PLAN,  
PLAN SHEET 12/30

ELEV. = 959.03

**BENCHMARK:**

MAG NAIL SET 1' UP WEST SIDE OF POWER POLE  
L219M, EAST SIDE OF 1st ST., ±100' NORTH OF  
LAKE AVE.

ELEV. = 958.68

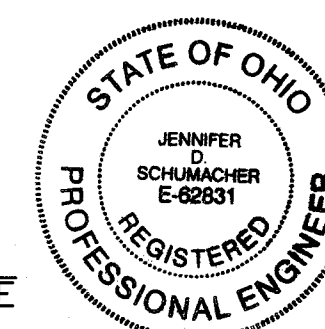
## UNDERGROUND UTILITIES

2 WORKING DAYS  
BEFORE YOU DIG

CALL TOLL FREE 800-362-2764

OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY

JENNIFER D. SCHUMACHER, P.E. #62831 DATE 10-6-06



**HAMMONTREE & ASSOCIATES, LTD.**  
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REV.	JDS	DATE: 10/5/06	DESC.: ADDRESS: CITY ENGINEER'S COMMENTS
REV.	JDS	DATE: 09/28/06	DESC.: ADDRESS: CITY ENGINEER'S COMMENTS

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 LAYOUT: COVER

SCALES:

COVER SHEET

BELLSTORE – FIRST STREET

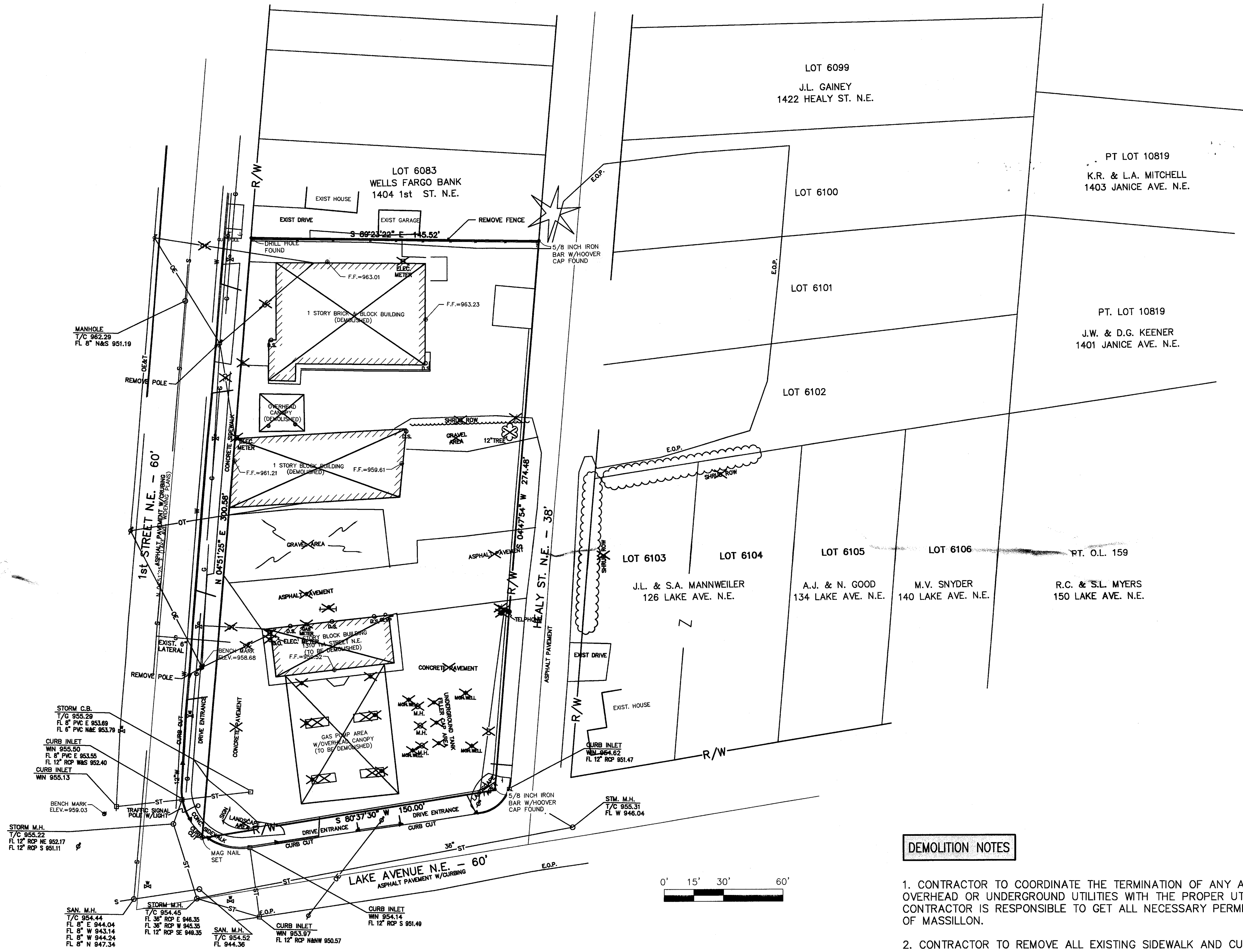
FOR: CAMPBELL OIL COMPANY

BEING ALL OF CITY LOTS 10455, 6078-6082,  
6100-6102 IN THE CITY OF MASSILLON, OHIO

[illegible]

LEGEND

X TO BE REMOVED



FLOOD ZONE

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 390517 0002 C EFFECTIVE DATE JULY 5, 1982 THE SUBJECT PROPERTY LIES WITHIN ZONE "C" WHICH IS DEFINED ON SAID MAP AS "AREAS OF MINIMAL FLOODING".

DEMOLITION NOTES

1. CONTRACTOR TO COORDINATE THE TERMINATION OF ANY AND ALL EXISTING OVERHEAD OR UNDERGROUND UTILITIES WITH THE PROPER UTILITY COMPANY. CONTRACTOR IS RESPONSIBLE TO GET ALL NECESSARY PERMITS FROM THE CITY OF MASSILLON.
2. CONTRACTOR TO REMOVE ALL EXISTING SIDEWALK AND CURBING ALONG PERIMETER OF PROPERTY.
3. EXISTING BUILDING SEWERS TO BE REMOVED AND CAPPED AT THE RIGHT-OF-WAY LINE. CONTACT CITY OF MASSILLON ENGINEERING DEPARTMENT FOR PERMIT AND INSPECTION REQUIREMENTS.
4. THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF WATER SERVICE LATERALS WITH AQUA OHIO WATER COMPANY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE CITY OF MASSILLON ENGINEERING DEPARTMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC THROUGH THE CONSTRUCTION PERIOD.



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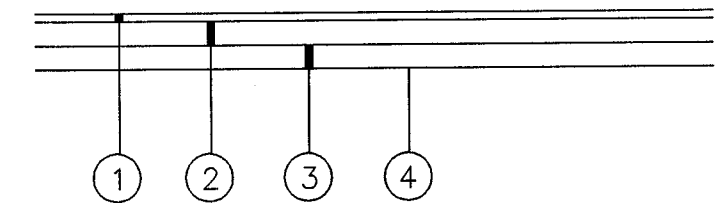
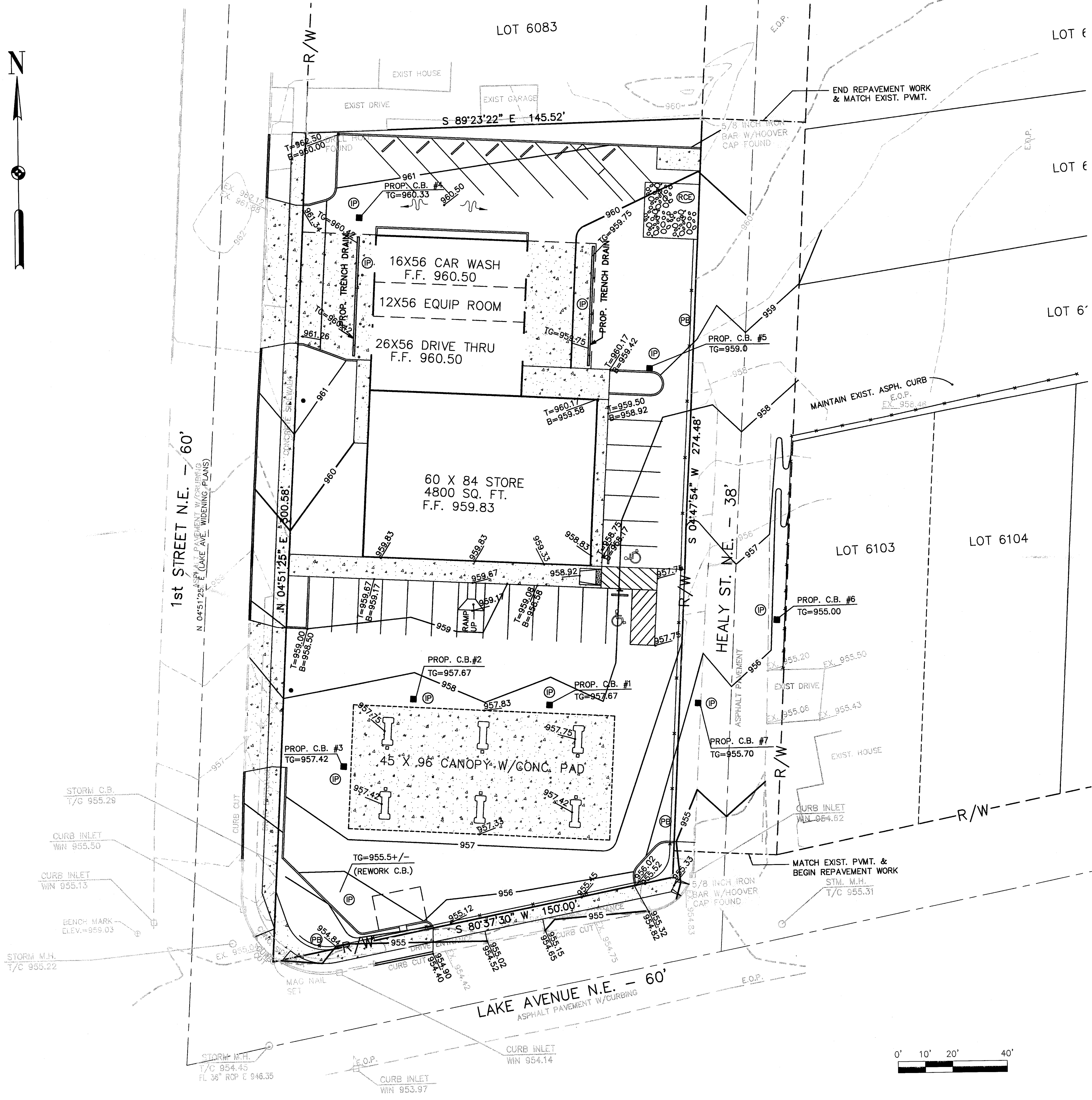
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SCALES:  
HORIZ: 1"=30'

DEMOLITION PLAN  
**BELLSTORE - FIRST STREET**  
FOR: CAMPBELL OIL COMPANY  
BEING ALL OF CITY LOTS 10455, 6078-6082,  
6100-6102 IN THE CITY OF MASSILLON, OHIO

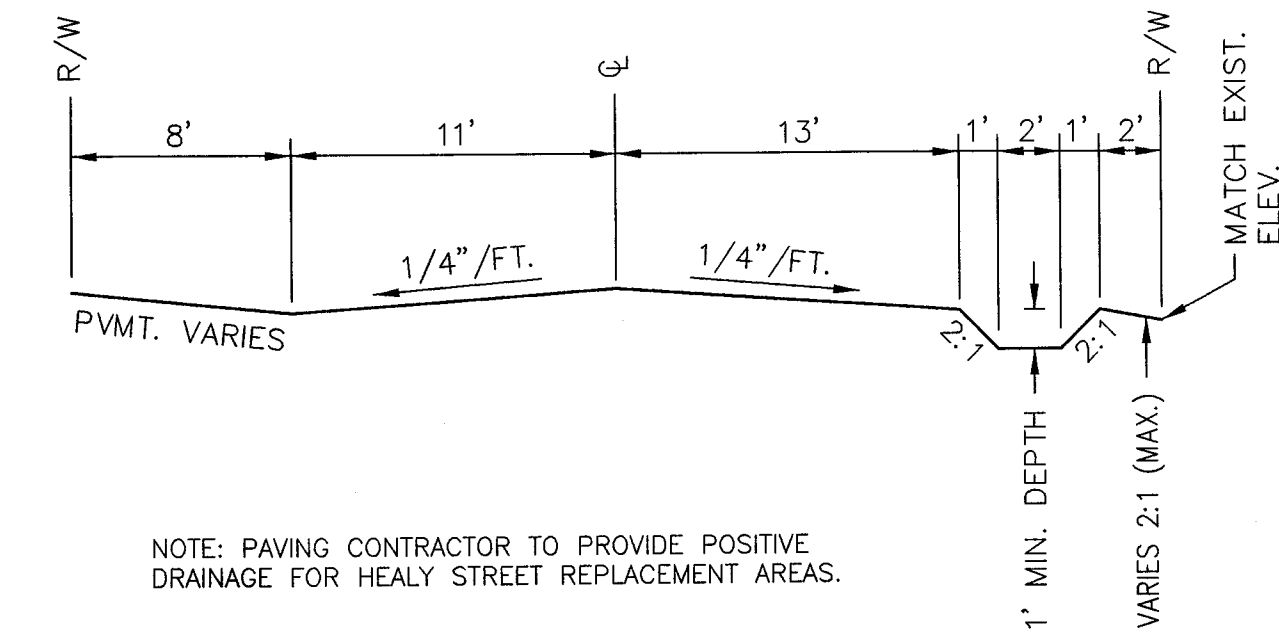






- 1) ITEM 404 1-1/2" ASPHALT CONCRETE  
2) ITEM 301 4" ASPHALT CONCRETE BASE  
3) ITEM 304 6" AGGREGATE BASE  
4) ITEM 204 COMPACTED SUBGRADE

CITY OF MASSILLON  
ASPHALT PAVEMENT SECTION DETAIL  
NTS



NOTE: PAVING CONTRACTOR TO PROVIDE POSITIVE DRAINAGE FOR HEALY STREET REPLACEMENT AREAS.

HEALY STREET N.E.  
TYPICAL SECTION

LEGEND

- (IP) INLET PROTECTION (SHEET 6)  
(PB) PERIMETER BARRIER (SHEET 8)  
(RCE) ROCK CONSTRUCTION ENTRANCE (SHEET 6)

1. PERMANENT SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YR. FROM THE TIME OF PLANTING. SEEDING 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.
2. 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.	TIME	MOWING
CREeping RED FESCUE RYEGRASS KENTUCKY BLUEGRASS	10-10-10	500	12	FALL, YEARLY OR AS NEEDED.	NOT CLOSER THAN 3"
TALL FESCUE	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

③

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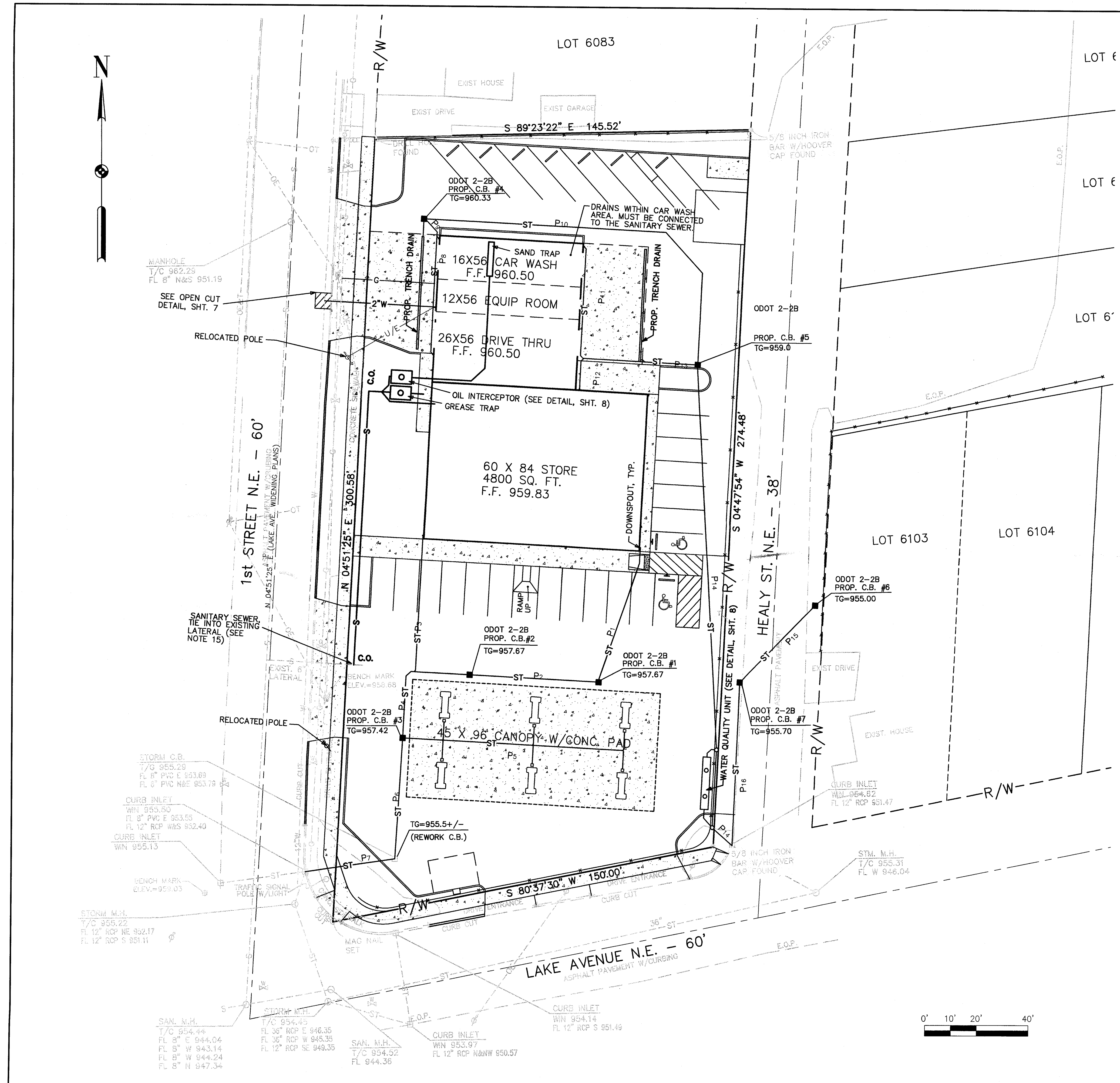
SITE GRADING & SOIL EROSION CONTROL PLAN  
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REV. BY: JDS DATE: 09/28/06 DESC.: ADDRESS CITY ENGINEER'S COMMENTS

SCALE:  
HORIZ: 1"=20'  
CONTOUR INT. = 1'

4  
8





PIPE CHART							
PIPE	SIZE	*TYPE	LENGTH	GRADE	ℓ IN	ℓ OUT	
P1	4"	B	53'	0.8%	956.22	955.80	
P2	6"	B	50'	0.7%	955.62	955.27	
P3	4"	B	52'	3.7%	956.83	954.91	
P4	8"	B	49'	1.5%	955.10	954.37	
P5	6"	B	85'	1.0%	955.39	954.54	
P6	10"	B	47'	1.5%	954.20	953.50	
P7	10"	B	35'	2.0%	953.50	952.80	
P8	4"	B	45'	1.5%	957.50	956.83	
P9	4"	B	10'	1.5%	956.83	956.67	
P10	6"	B	150'	1.5%	956.60	954.25	
P11	4"	B	45'	0.4%	957.50	957.32	
P12	6"	B	35'	2.0%	957.50	956.80	
P13	6"	B	23'	2.0%	956.80	956.34	
P14	10"	B	187'	0.8%	953.92	952.42	
**P15	12"	B	41'	0.8%	952.98	952.65	
**P16	12"	B	62'	1.3%	952.28	951.47	

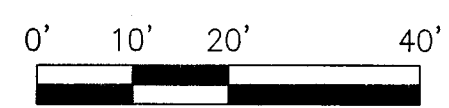
\* USE R.C.P. (706.02), CORRUGATED POLYETHYLENE SMOOTH LINED PIPE (707.33) OR APPROVED EQUAL.

\*\* ANY PIPE IN THE RIGHT-OF-WAY WITHOUT 2' OF COVER ARE TO BE RCP ONLY.

THE PRE-DEVELOPED SITE CONSISTS OF ALL IMPERVIOUS AREAS EXCEPT FOR SOME LANDSCAPED ISLANDS. THE POST-DEVELOPED SITE CREATES ADDITIONAL PERVIOUS AREAS WITH THE INSTALLATION OF LAWN STRIPS AND OTHER LANDSCAPED ISLAND AREAS. THEREFORE THE STORMWATER FLOW IS DECREASED AND DETENTION IS NOT PROVIDED.

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 OUPS 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 ITEM 706.02.
- 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.
- ALL WATER SERVICE LATERALS 2 INCHES AND SMALLER SHALL BE TYPE "K" COPPER. SERVICE LATERALS LARGER THAN 2 INCHES SHALL BE DUCTILE IRON PIPE AND SHALL HAVE 5 FEET OF COVER. ALL BACKFLOW PREVENTION DEVICES SHALL BE APPROVED BY AQUA OHIO WATER COMPANY.
- CONTRACTOR TO REFER TO SITE ELECTRICAL PLAN FOR POWER POLE RELOCATION, SITE LIGHTING AND ELECTRICAL SERVICE.
- SEWER CONTRACTOR TO OBTAIN LICENSE AND SEWER TAP PERMITS FOR ALL SEWER CONNECTIONS PRIOR TO THE START OF WORK. CONTRACTOR TO CONTACT CITY OF MASSILLON ENGINEERING DEPARTMENT FOR PERMIT AND INSPECTION REQUIREMENTS.
- PAVING AND DRIVEWAY CONTRACTOR TO OBTAIN A DRIVE PERMIT FOR THIS SITE. CONTRACTOR TO CONTACT CITY OF MASSILLON ENGINEERING DEPARTMENT FOR PERMIT AND INSPECTION REQUIREMENTS.
- CONTRACTOR TO REUSE EXISTING LATERAL IF A 6" LATERAL SIZE IS FOUND AND IN GOOD CONDITION. IF 6" LATERAL NOT FOUND, THEN CONTRACTOR SHALL CONNECT NEW 6" SANITARY LATERAL TO EXIST. 8" SANITARY MAIN IN 1st STREET. CONTRACTOR REQUIRED TO OBTAIN A ROAD OPENING PERMIT FROM THE CITY TO TIE INTO 8" SANITARY MAIN AND REPAIR ASPHALT ROAD SECTION PER MASSILLON OPEN CUT DETAIL SHOWN ON SHEET 5.



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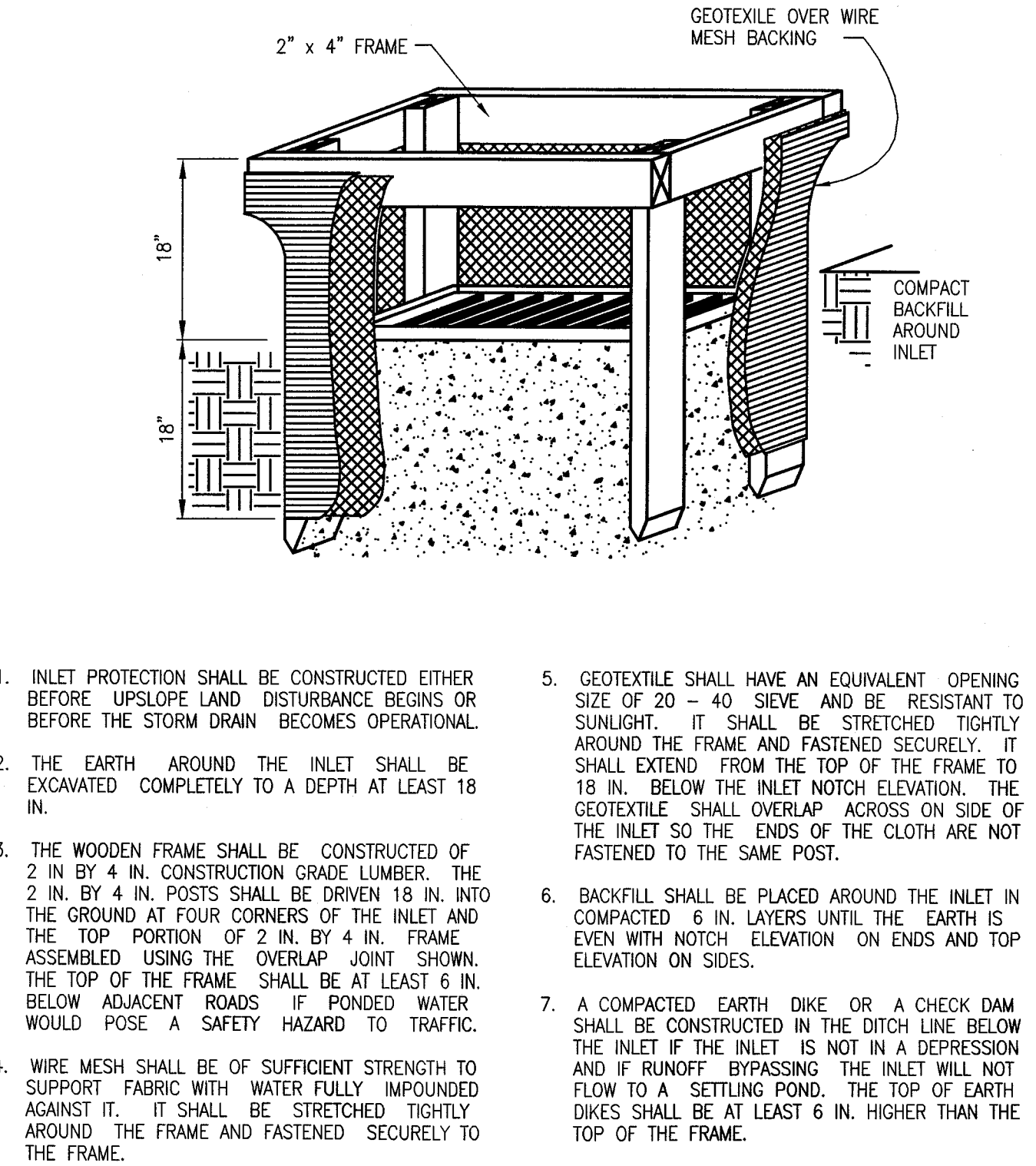
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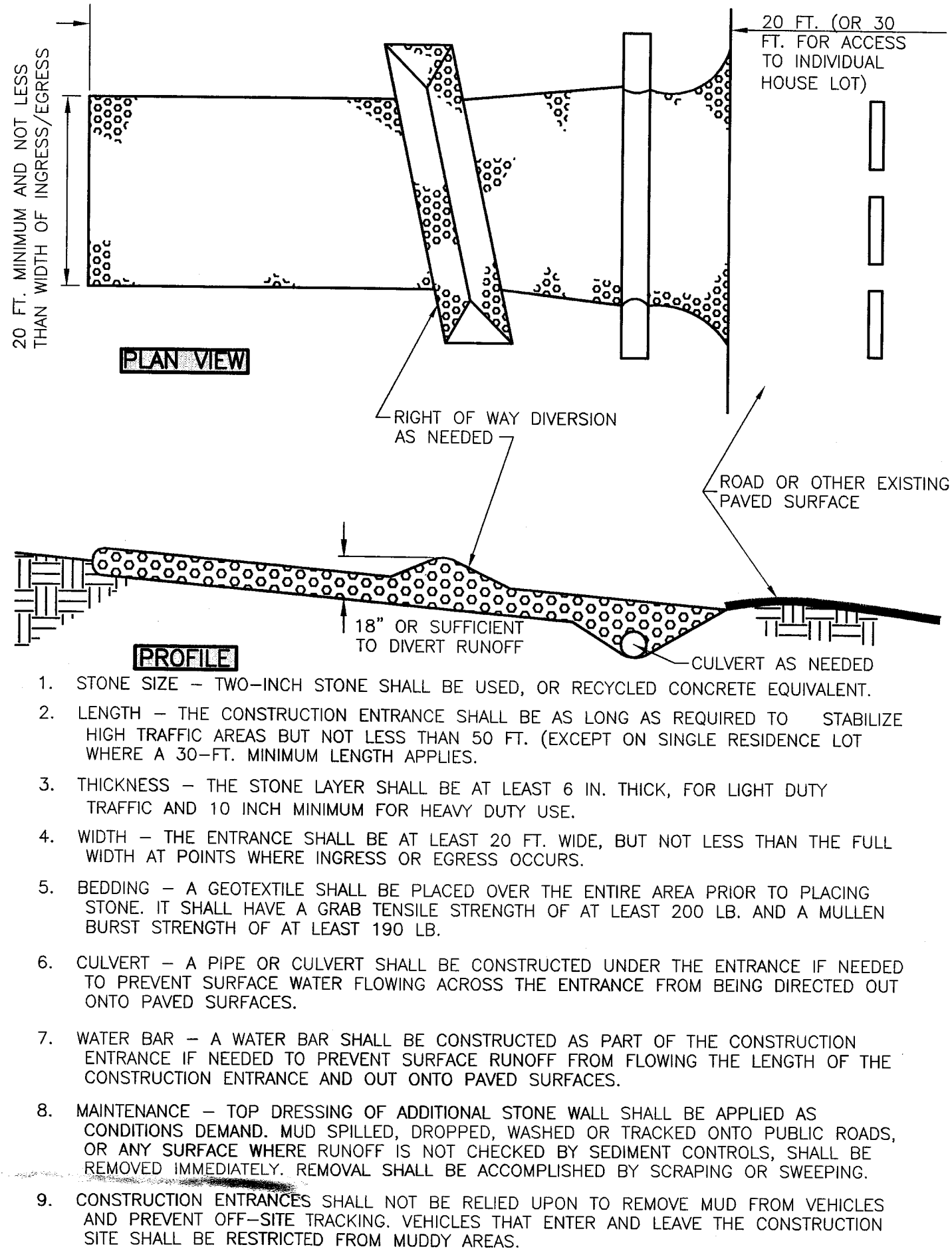
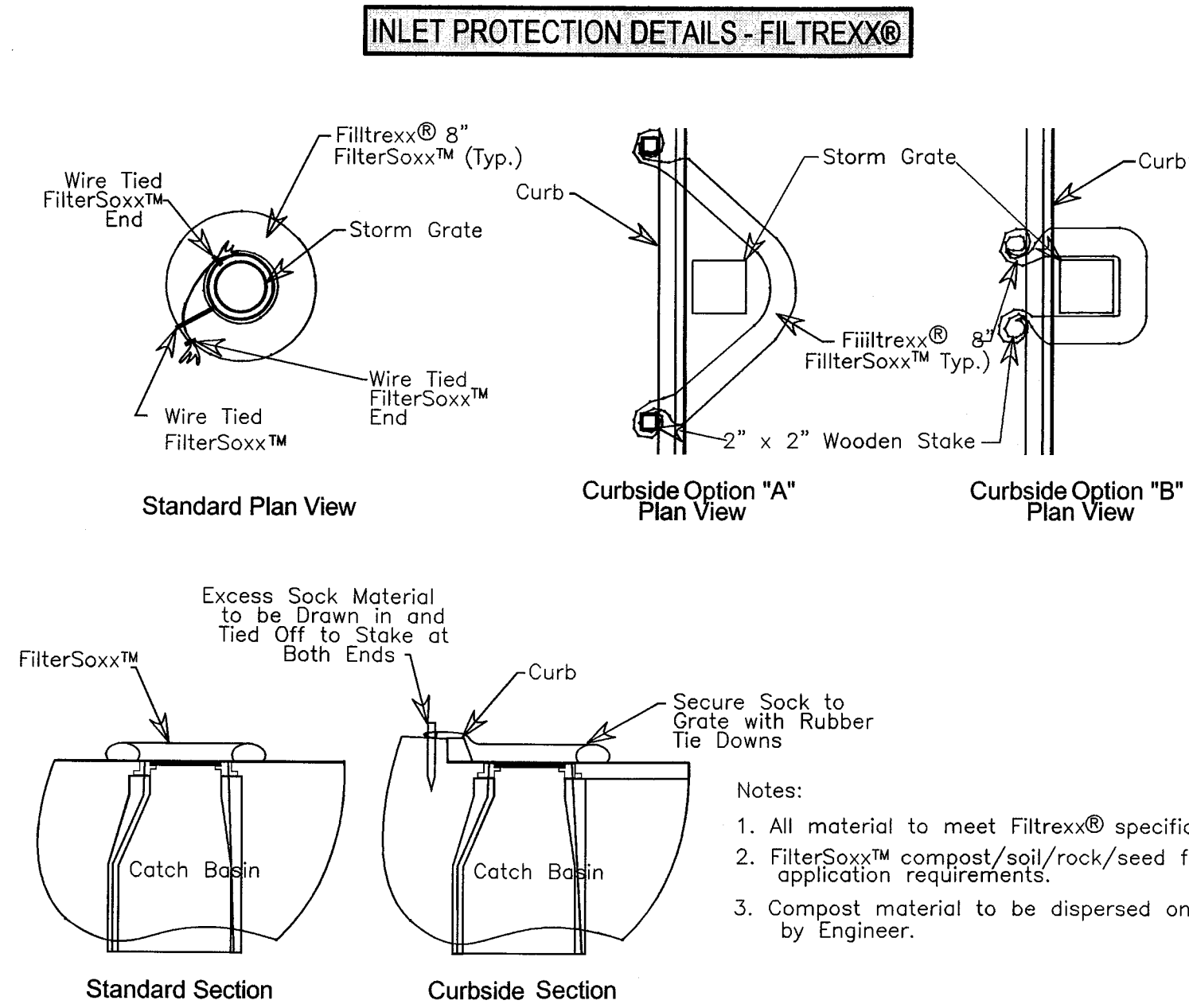
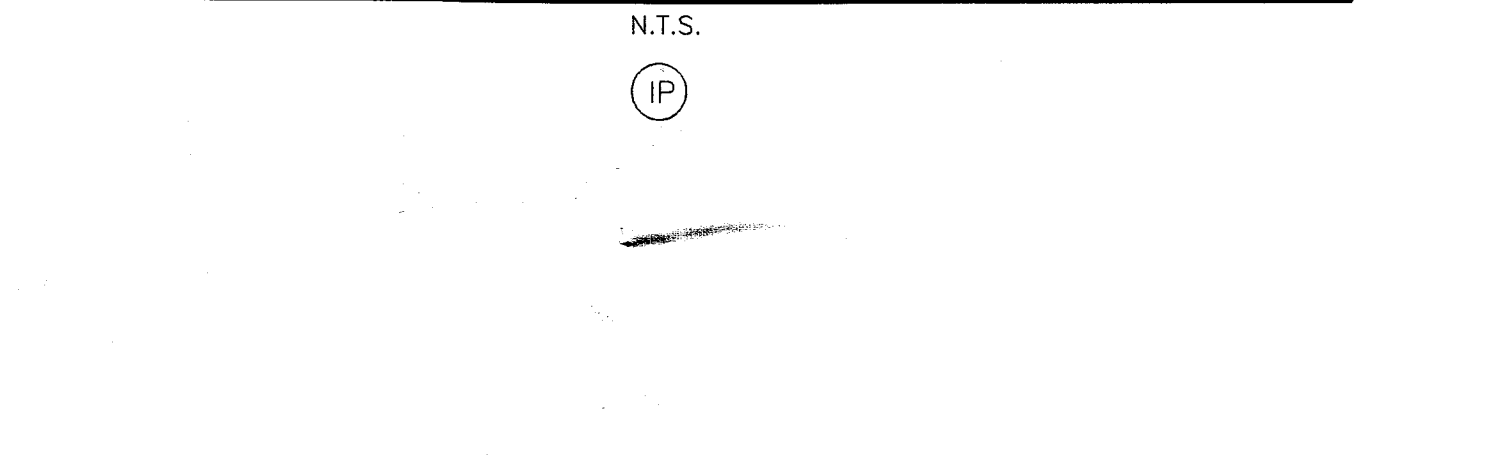
SCALE:  
HORIZ: 1"=20'

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 **LOCAL 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 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.
- G. 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.
- 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 GROUND COVER 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 **LOCAL 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, OBSERVATIONS, ACTIONS TAKEN TO CORRECT ANY PROBLEMS AND THE DATE CORRECTIVE ACTIONS WERE TAKEN.
- N. 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.
- 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. 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.
- Q. 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.
- R. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (1996).
- S. OTHER EROSION AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
- T. 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.
- U. CONCRETE CEMENT IS TO BE TAKEN BACK TO PLANT FOR WASHOUT AND RECYCLING.



INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS



CONSTRUCTION ENTRANCE

PERMANENT SEEDING			
SEED MIX	SEEDING RATE		NOTES:
	LB./AC.	LB./1,000 FT. <sup>2</sup>	
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

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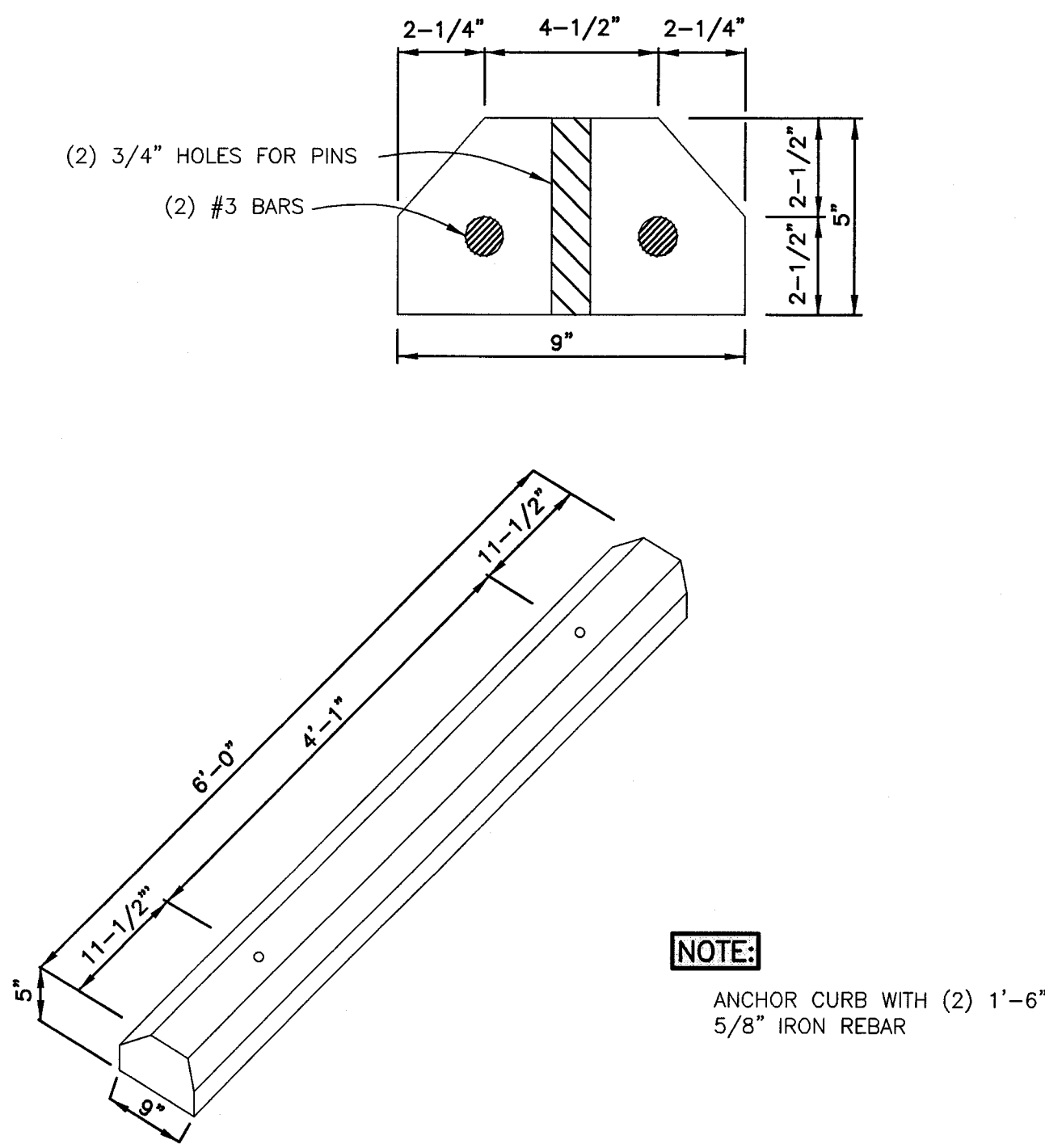


DESIGN BY: JDS CHKD. BY: BHB  
DRAWN BY: JIP RWD. BY: JDS  
F.B. 585 PAGE: 63  
COPYRIGHT: 2006 DATE: 8/18/06  
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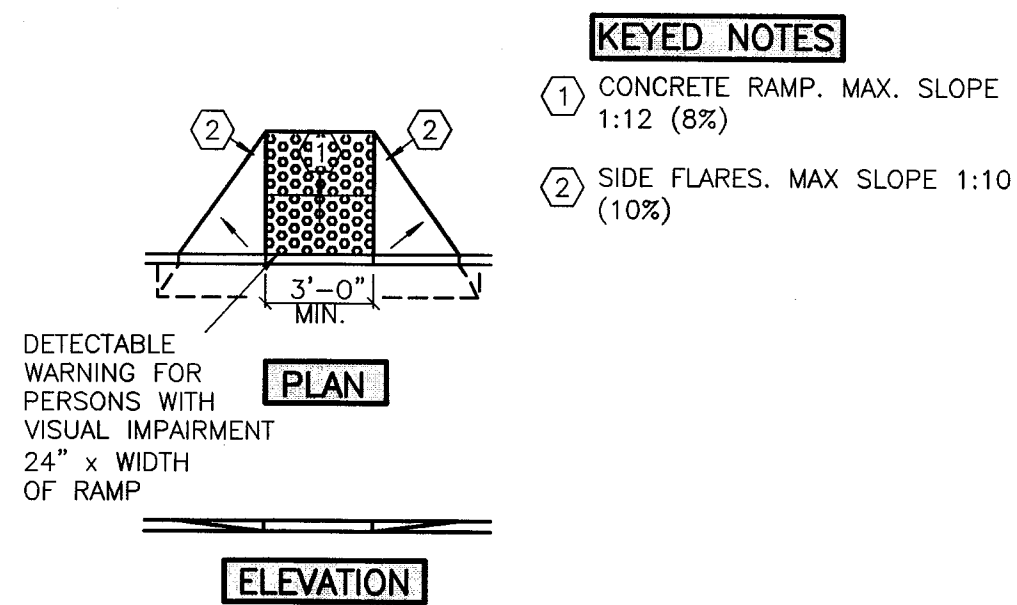
SCALES:

SOIL EROSION CONTROL NOTES & DETAILS  
BELLSTORE - FIRST STREET  
FOR: CAMPBELL OIL COMPANY  
BEING ALL OF CITY LOTS 10455, 6078-6082,  
6100-6102 IN THE CITY OF MASSILLON, OHIO

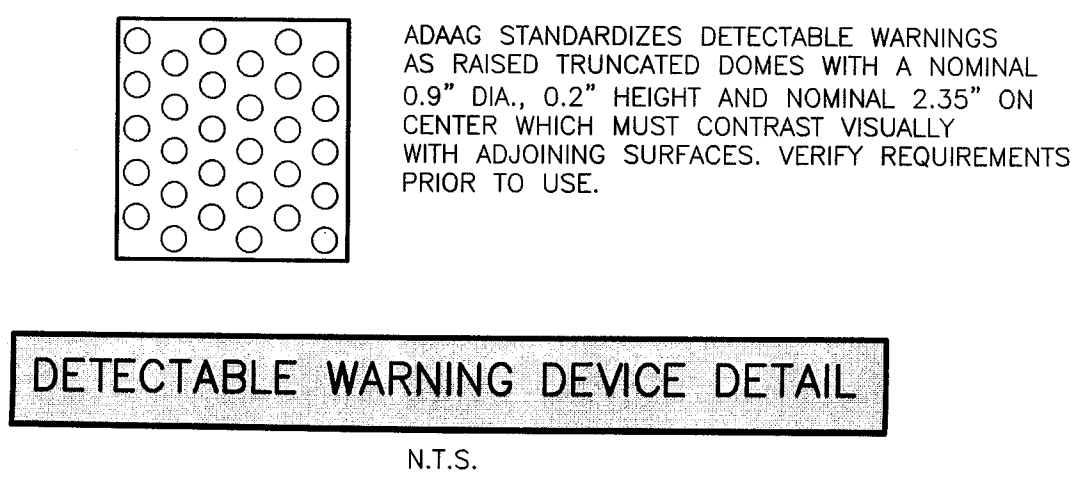




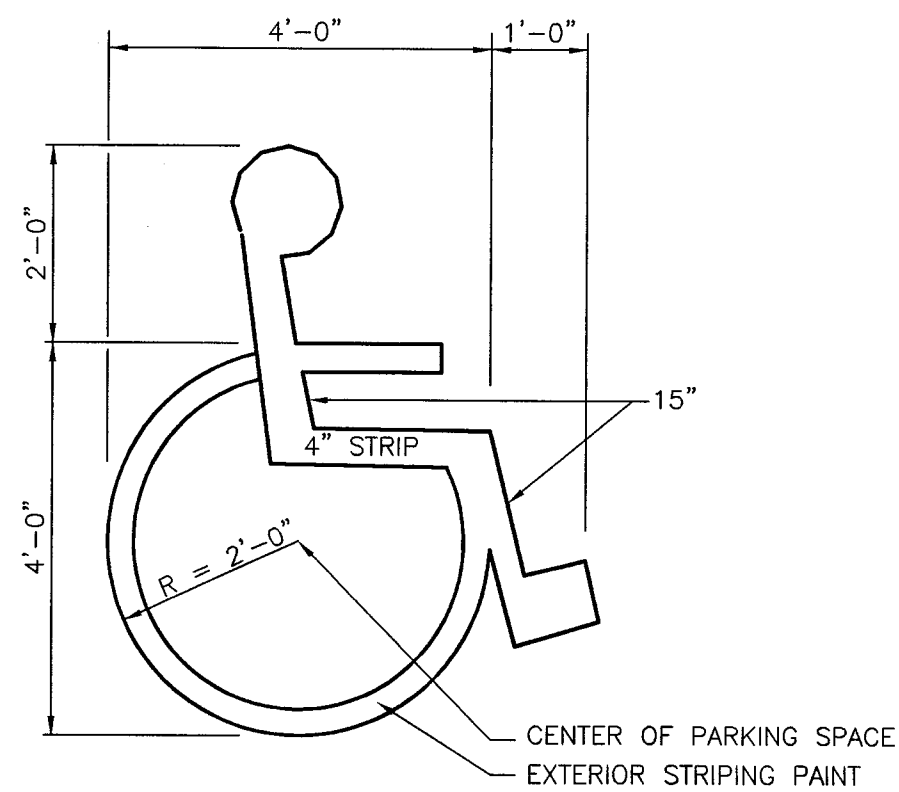
TYPICAL PRECAST PARKING CURB STOP DETAIL  
NO SCALE



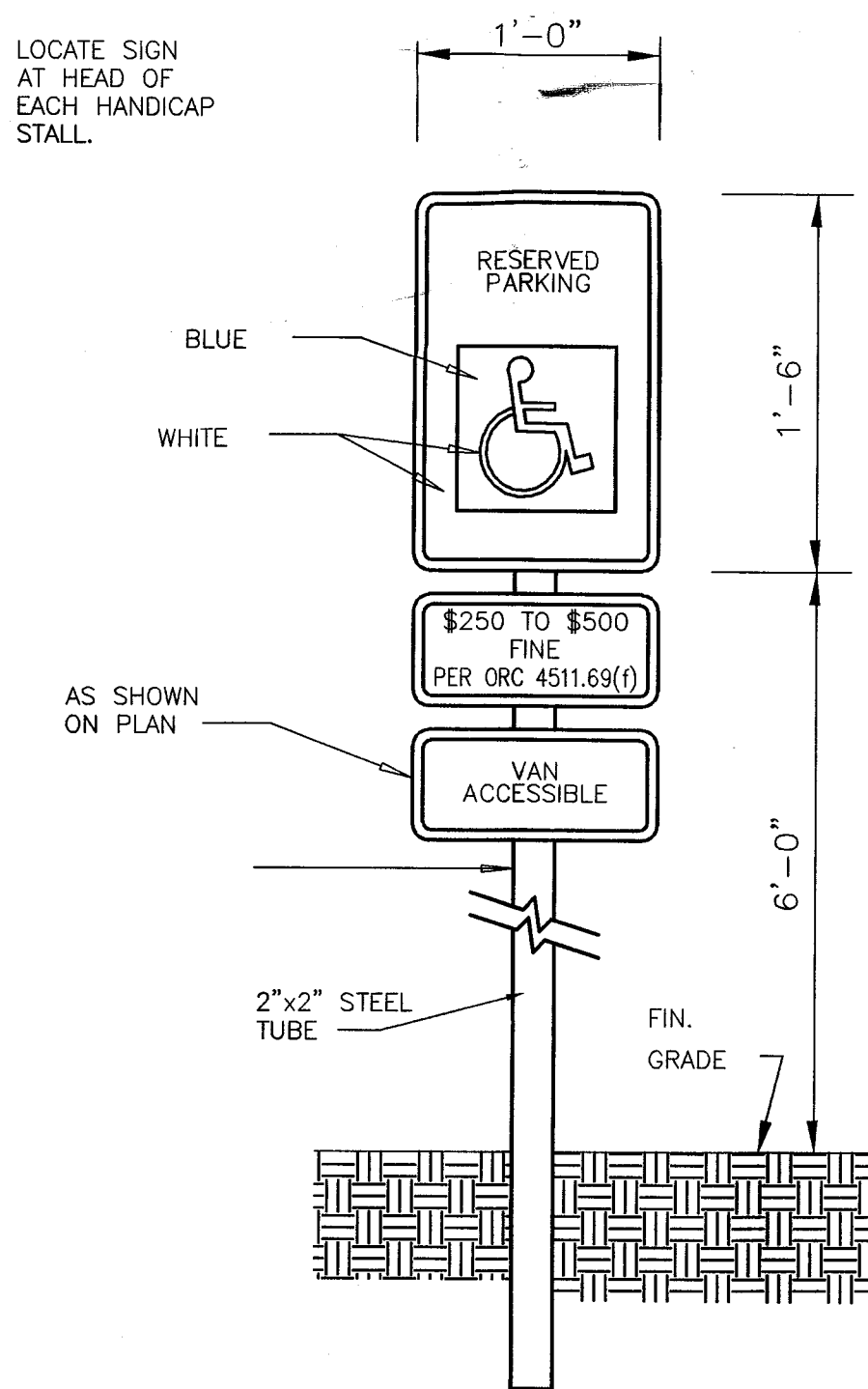
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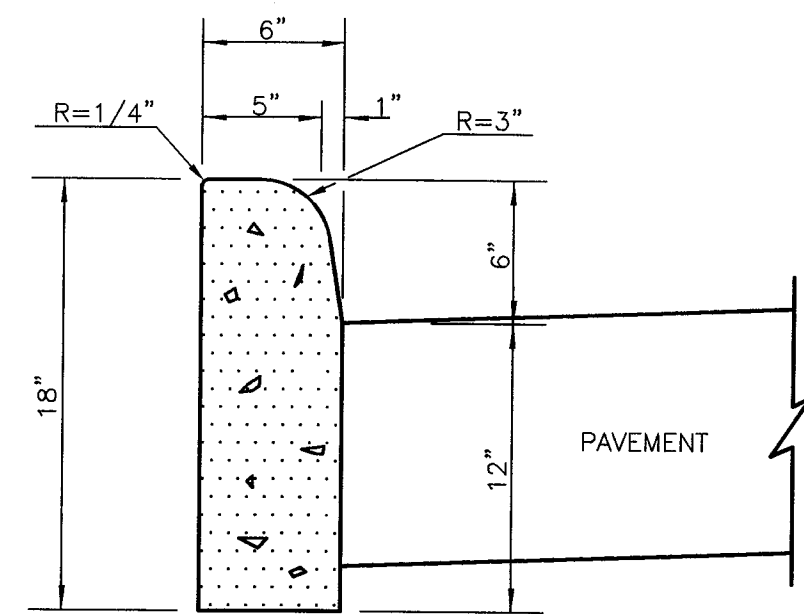
DETECTABLE WARNING DEVICE DETAIL  
N.T.S.



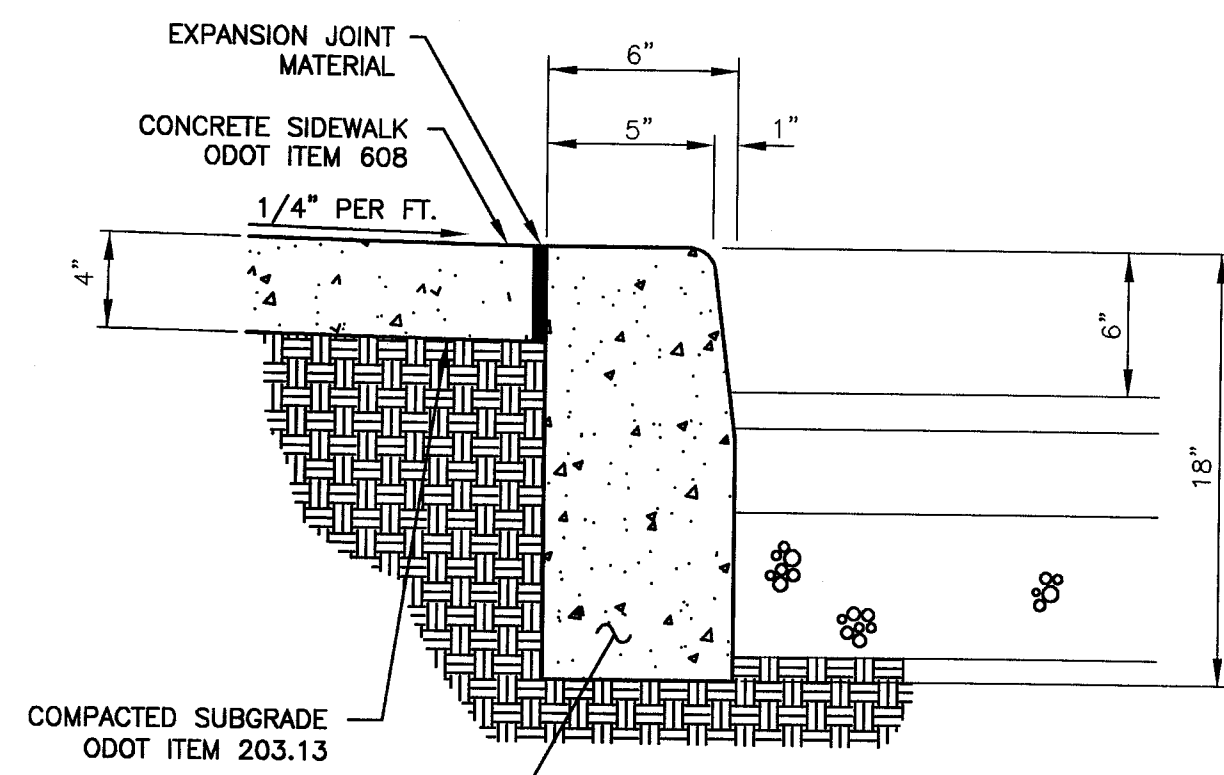
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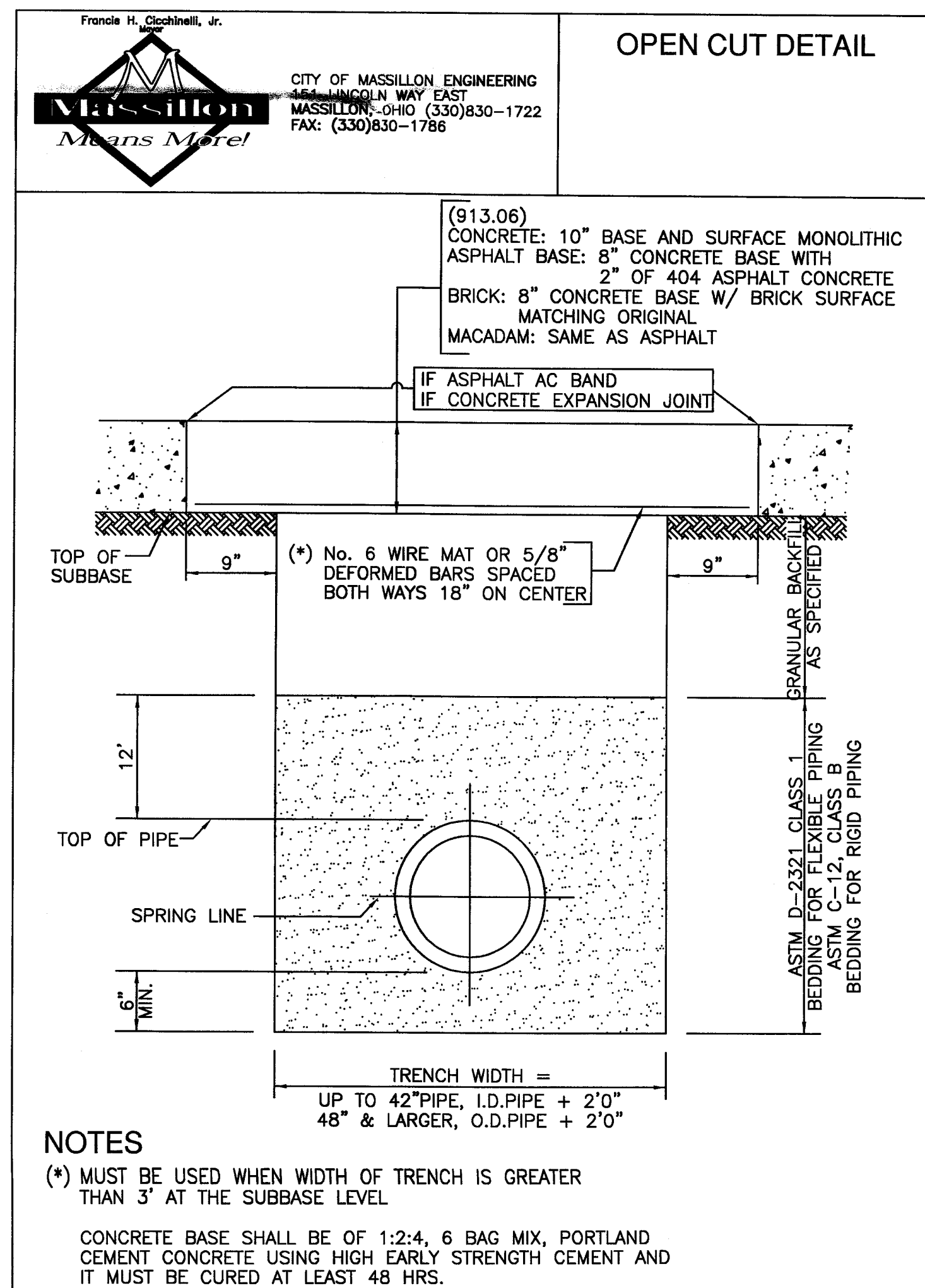
- NOTES:
1. SIGNS ARE TO CONFORM WITH THE SPECIFICATIONS FROM THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES.
  2. SIGNS WILL BE MOUNTED ON GALVANIZED POLES OR ON WALL (WHERE APPLICABLE).
  3. SIGNS SHALL COMPLY TO ALL ADA CODES.

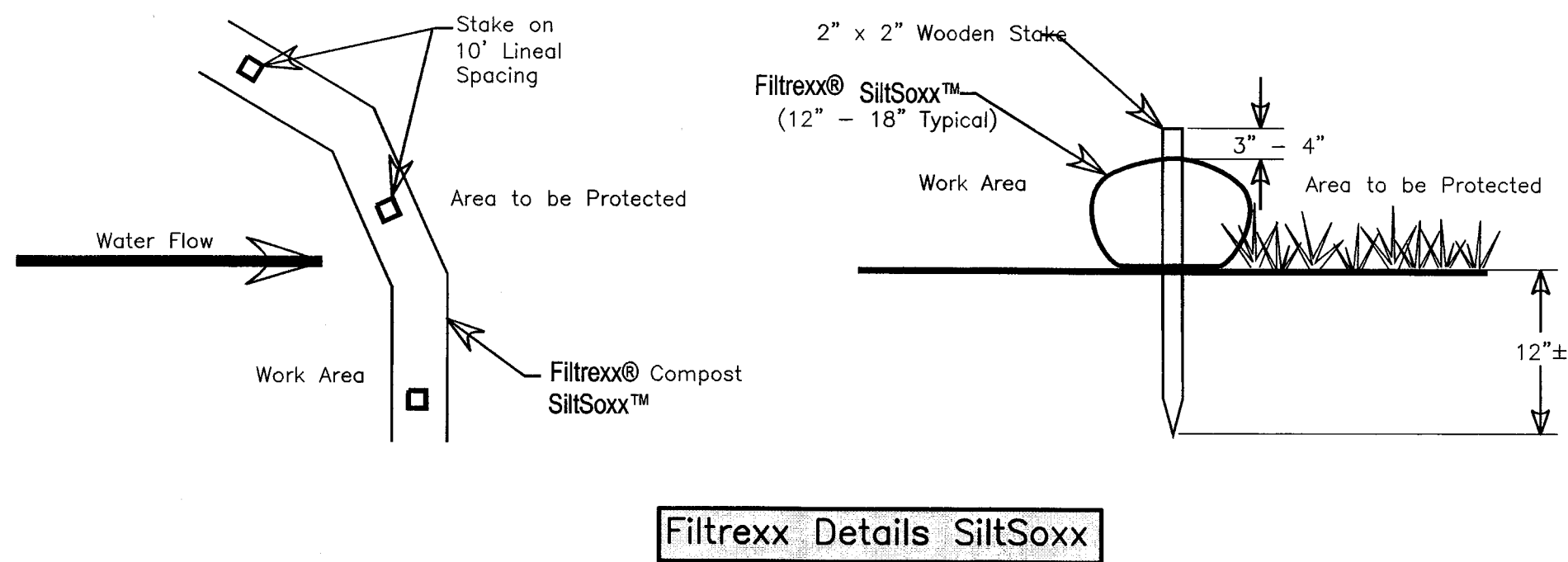
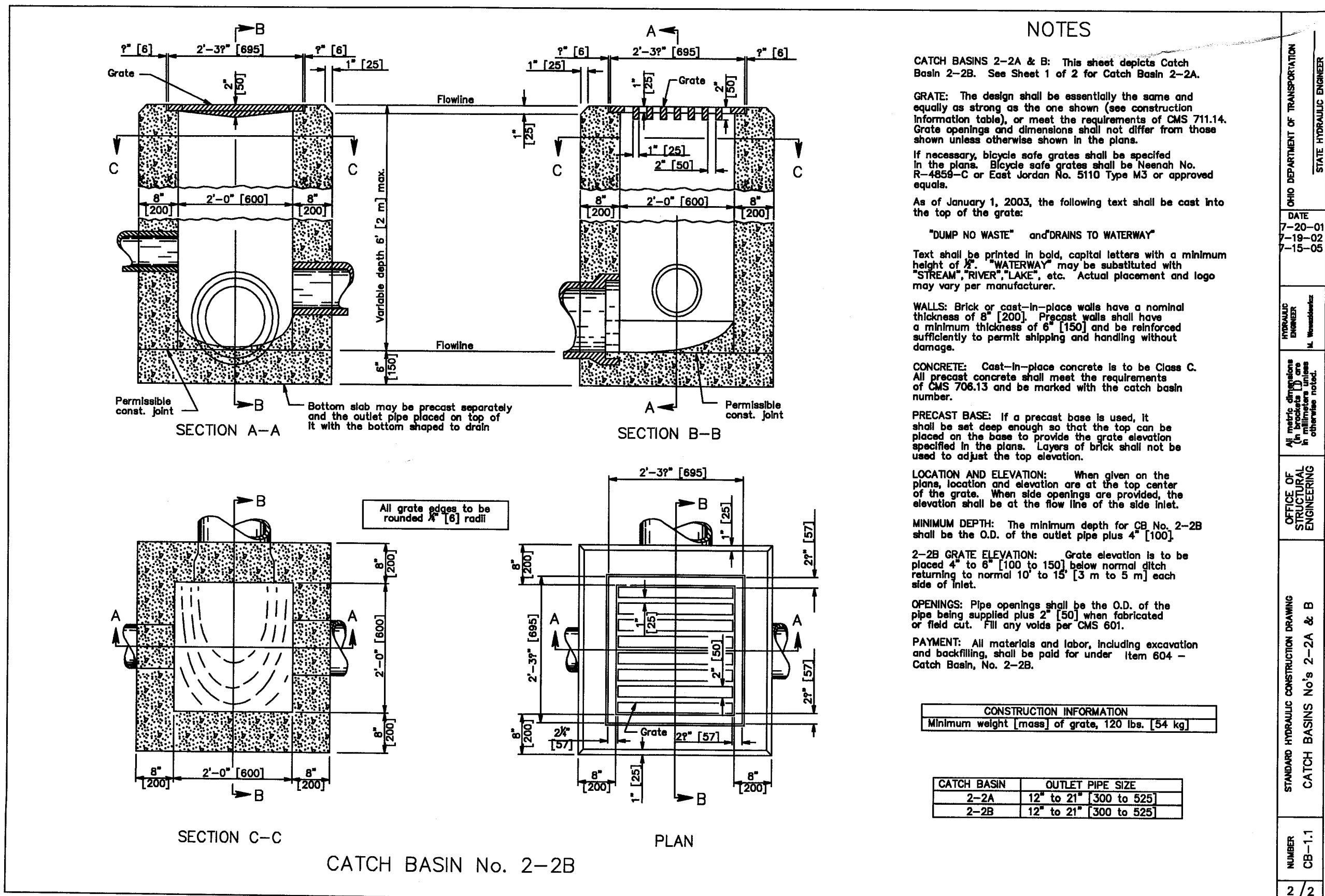
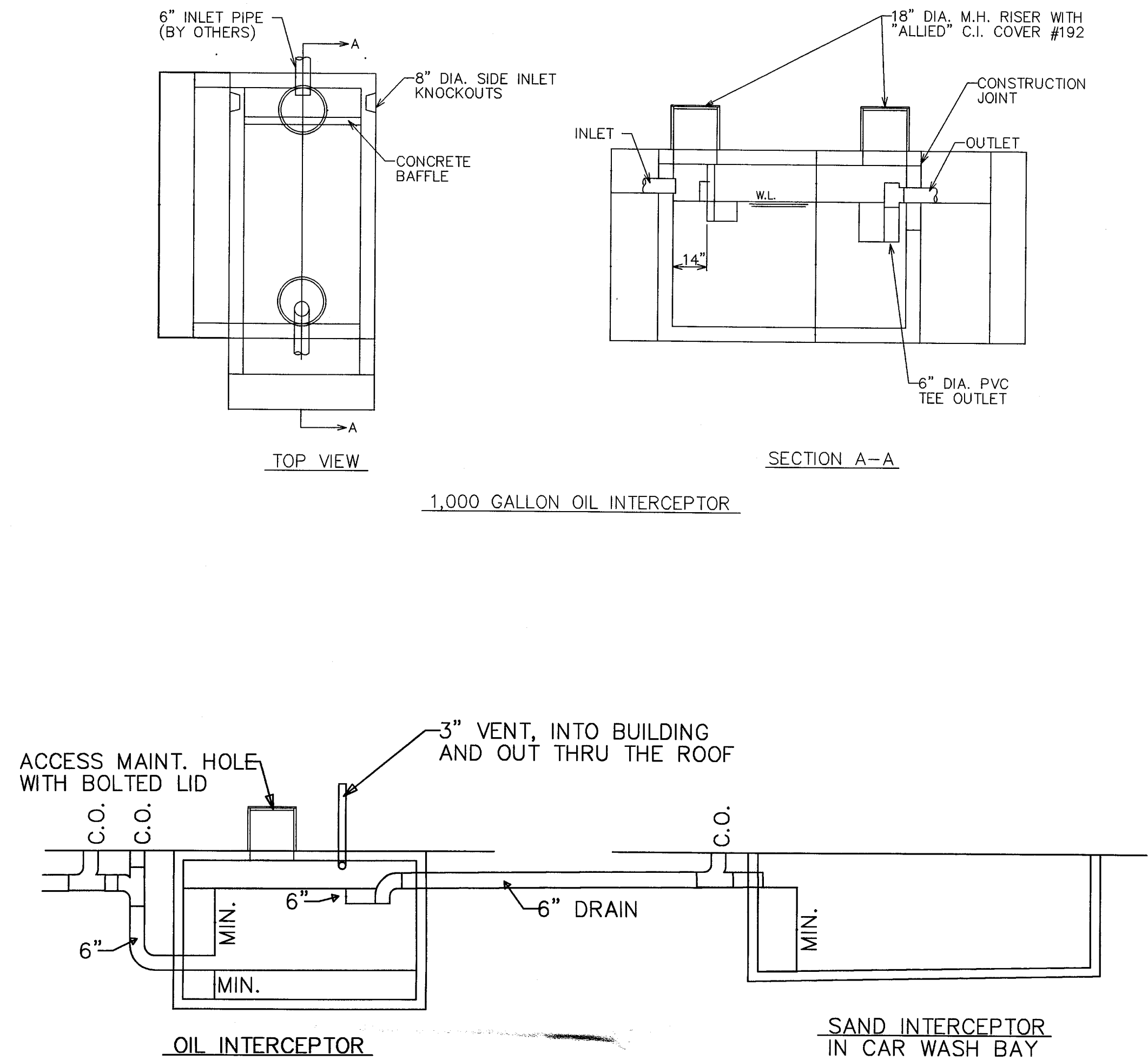
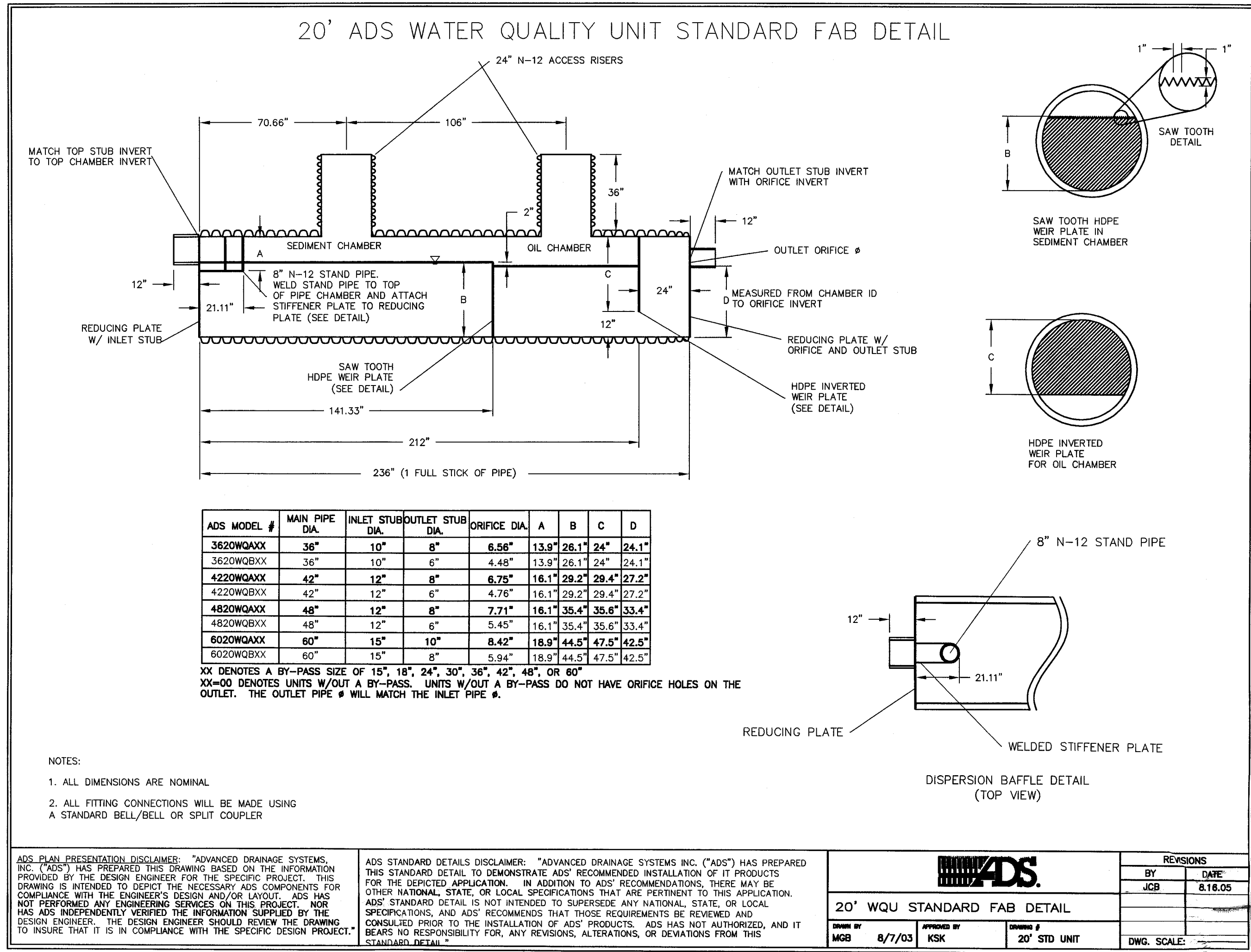


ITEM 609 - TYPE 6 CONCRETE CURB



CURB & SIDEWALK DETAIL  
N.T.S.





- Notes:
1. All material to meet Filtrexx specifications.
  2. SiltSoxx™ compost/soil/rock/seed fill to meet application requirements.
  3. SiltSoxx™ depicted is for minimum slopes. Greater slopes may require larger socks per the Engineer.
  4. Compost material to be dispersed on site, as determined by Engineer.