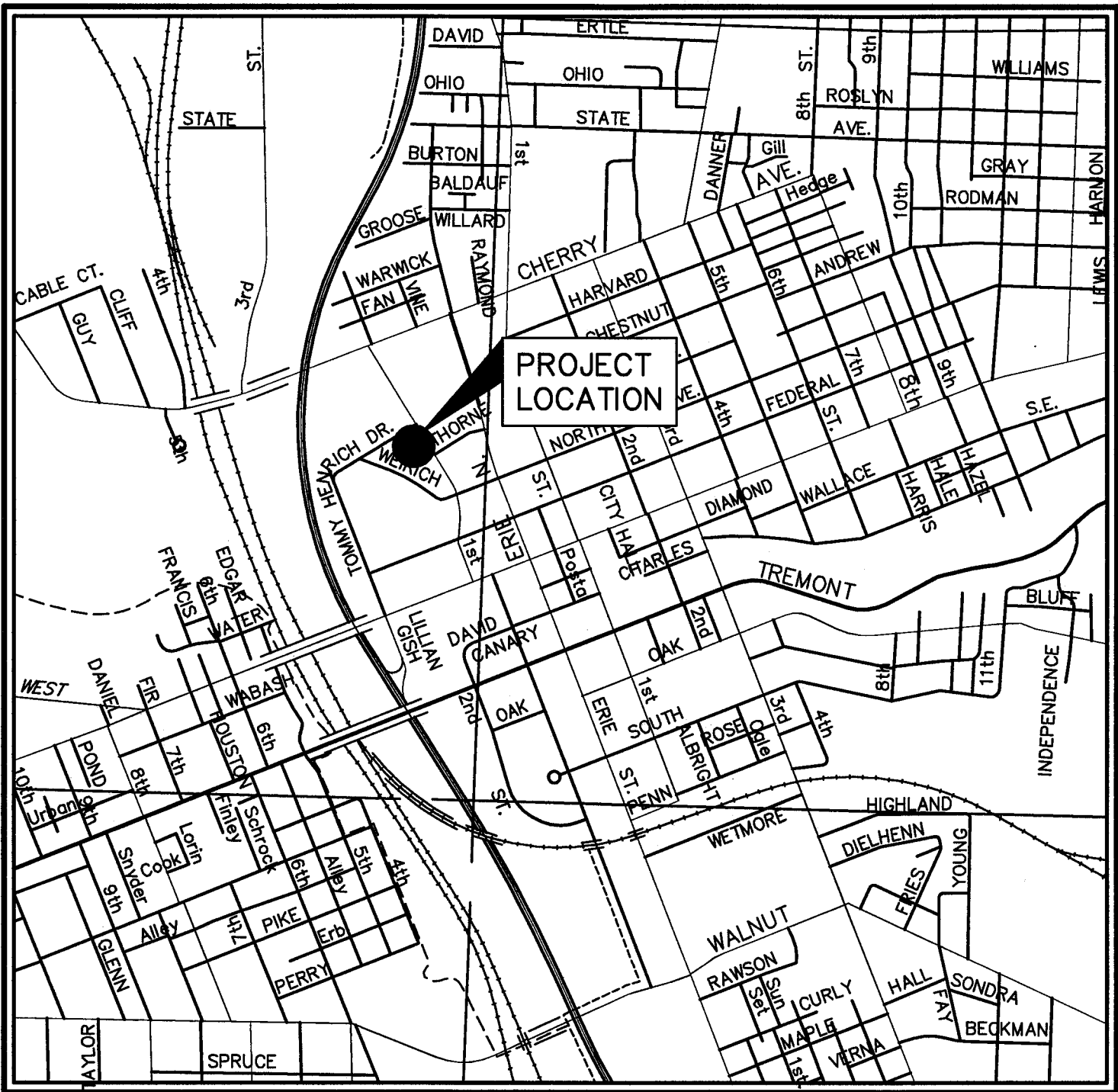


SITE IMPROVEMENT PLAN FOR
MIDWEST HEALTH SERVICES

CITY OF MASSILLON
STARK COUNTY OHIO

AUGUST 2013




 **LOCATION MAP**
SCALE: NONE

SHEET INDEX:

TITLE SHEET	1
EXISTING CONDITIONS AND DEMOLITION PLAN	2
SITE PLAN	3
GRADING PLAN	4
UTILITY PLAN	5
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NOTE:

ANY WORK PERFORMED IN THE RIGHT OF WAY IS TO BE
INSPECTED BY THE CITY OF MASSILLON ENGINEERING
DEPARTMENT.

APPROVED BY THE MASSILLON CITY ENGINEER THIS
28 DAY OF OCTOBER, 2013

KEITH A. DYLEWSKI, PE

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

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

UTILITY LOCATION NOTE
LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE
APPROXIMATE AND ARE BASED ON FIELD LOCATIONS OF ALL VISIBLE
STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER AND GAS
GATES, ETC., TOGETHER WITH INFORMATIONAL DATA OBTAINED FROM
PLANS AND RECORDS SUPPLIED BY VARIOUS UTILITY COMPANIES AND
GOVERNMENT AGENCIES. ALL CONTRACTORS SHOULD NOTIFY IN
WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR
TO ANY EXCAVATION WORK OR CALL O.U.P.S. AT 1-800-362-2764.

DEVELOPER:
WEAVER COMMERCIAL CONTRACTOR
2148-B EAGLE PASS
WOOSTER, OH 44691
CONTACT: JOHN FIALA
PH: 330-264-9020
FAX: 330-263-4012
johnf@weavercc.com

REVISIONS	
1	MASSILLON COMMENTS
2	MASSILLON COMMENTS
3	MASSILLON COMMENTS
4	MASSILLON COMMENTS
5	MASSILLON COMMENTS
6	MASSILLON COMMENTS
7	MASSILLON COMMENTS

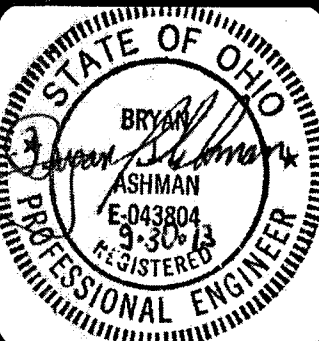
BRYAN J. ASHMAN
JEROLD E. GEIB

COOPER & ASSOCIATES, LLP
ENGINEERS AND SURVEYORS

PHONE (330) 452-5731
FAX No. (330) 452-9110



1359 MARKET
AVENUE NORTH
CANTON, OHIO
44714



TITLE SHEET
MIDWEST HEALTH SERVICES
LOCATED IN THE CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: WEAVER COMMERCIAL CONTRACTOR

DRAWN BY: RAF
CHECKED BY: BJA
DATE AUG 15, 2013
SHEET
1 OF 7
PROJ.# 13190

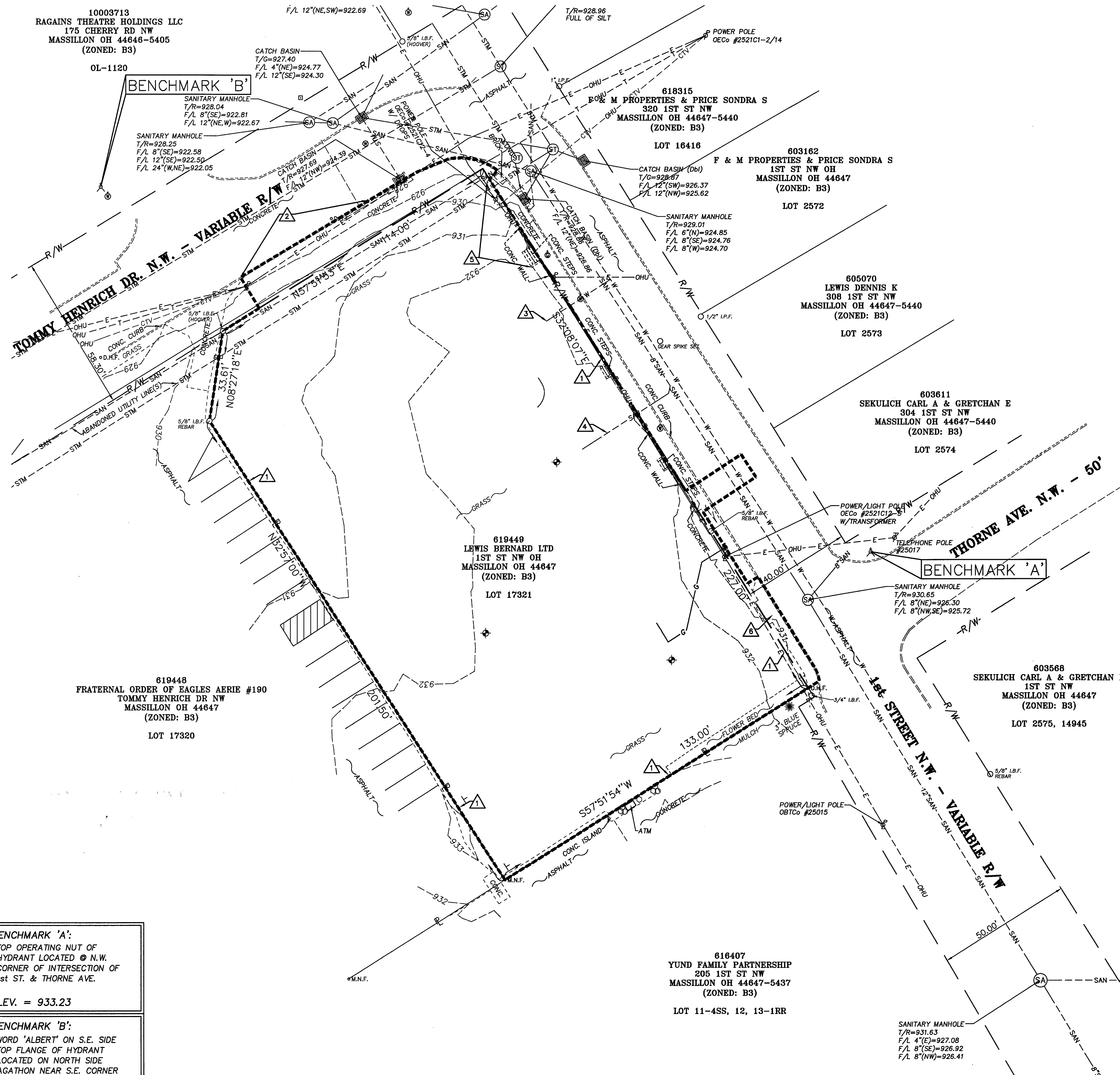
TITLE SHEET

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BENCHMARK 'A':
TOP OPERATING NUT OF
HYDRANT LOCATED @ N.W.
CORNER OF INTERSECTION OF
1st ST. & THORNE AVE.

ELEV. = 933.23

BENCHMARK 'B':
WORD 'ALBERT' ON S.E. SIDE
TOP FLANGE OF HYDRANT
LOCATED ON NORTH SIDE
AGATHON NEAR S.E. CORNER
OF MOVIE THEATER PROPERTY
ELEV. = 932.70



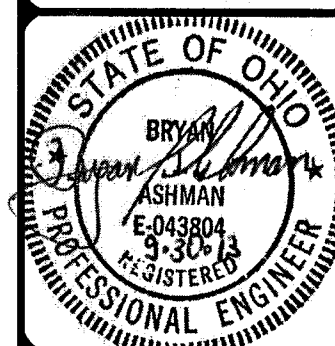
DEMOLITION KEY NOTES:

1. ----- AREA OF IMPACT: 0.7352 Ac. (32,028 SF)
2. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE CURB ALONG TOMMY HENRICH DR NW FOR PROPOSED DRIVE ENTRANCE (55 LF)
3. EXPECTED EXISTING WATER SERVICE.
4. EXISTING SANITARY SERVICE PER MASSILLON RECORDS.
5. APPROXIMATE LIMITS OF EXISTING CONCRETE WALL AND STEPS (IN POOR CONDITION) TO BE REMOVED. GRADE SLOPE TO 3:1.
6. EXISTING DRIVEWAY APPROACH TO BE REMOVED.

LEGEND	
○	IRON BAR/PIPE FOUND
□	TACKED HUB FOUND
○ D.H.F.	DRILL HOLE FOUND
○ M.N.F.	MAG NAIL FOUND
○ P.K.F.	PK NAIL FOUND
○	POWER POLE
○	POWER/LIGHT POLE
○	STORM MANHOLE
○	CATCH BASIN
○	SANITARY MANHOLE
○	HYDRANT
○	WATER VALVE
○	WATER MANHOLE
○	GAS VALVE
R/W	RIGHT-OF-WAY LINE
P	PROPERTY LINE
OHU	OVERHEAD UTILITIES
○	SOIL BORE LOCATION: COPY OF REPORT AVAILABLE FROM OWNER

REVISIONS

COOPER & ASSOCIATES, LLP
ENGINEERS AND SURVEYORS



EXISTING CONDITIONS AND DEMOLITION PLAN
MIDWEST HEALTH SERVICES
LOCATED IN THE CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: **WEAVER COMMERCIAL CONTRACTOR**

DRAWN BY: RAF
CHECKED BY: BJA
DATE: AUG 15, 2013
SHEET: 2 OF 7
PROJ.# 13190

EXISTING CONDITIONS AND DEMOLITION PLAN

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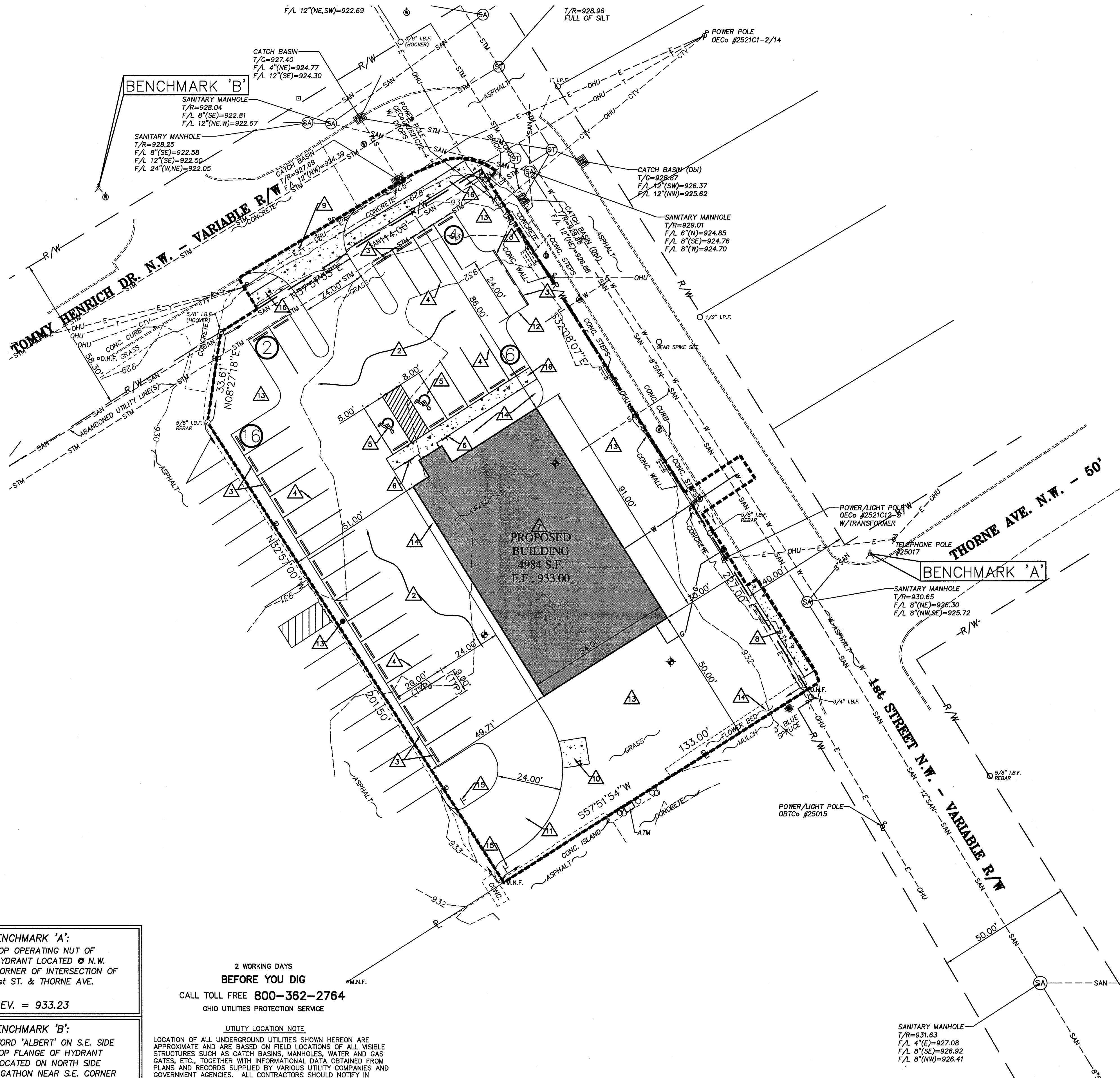
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SITE INFORMATION	
ADDRESS:	1ST STREET NW MASSILLON, OHIO
AREA:	0.695 ACRES
ZONE	B3 - GENERAL BUSINESS DISTRICT
SETBACKS (BUILDING):	REQUIRED MINIMUM
FRONT:	30 FT
REAR:	20 FT
SIDE:	0 FT
SETBACKS (PARKING):	REQUIRED MINIMUM
FRONT:	6 FT
REAR:	0 FT
SIDE:	0 FT
MAX STRUCTURE HGT:	30 FT
PARKING REQ:	19± SPACES
PARKING PROVIDED:	28 SPACES

KEY NOTES: A

- AREA OF IMPACT: 0.7352 AC. (32,028 SF)
- ASPHALT PAVEMENT PER DETAIL ON SHEET 6.
- WHEEL STOPS ANCHORED IN PLACE (TYPICAL FOR 28 SPACES AND DRIVE BARRIER).
- 4" WIDE WHITE PARKING LOT STALL MARKING, TYPE 1 AS PER ODOT ITEM 642.
- HANDICAP SYMBOL MARKING, TYPE 2 AS PER ODOT ITEM 642 AND PER OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, FIGURE 3B-19.
- HANDICAP PARKING SIGNAGE - SEE DETAIL ON SHEET 6.
- PROPOSED BUILDING - SEE ARCHITECTURAL PLANS.
- INTEGRAL CURB AND 5' WIDE CONCRETE SIDEWALK - SEE DETAIL ON SHEET 6.
- CONCRETE DRIVEWAY APPROACH.
- 6" THICK CONCRETE PAD FOR TRASH ENCLOSURE. SEE ARCHITECT PLANS FOR FENCING.
- DRIVE CONNECTION AGREEMENT REQUIRED WITH EAGLES.
- PROPOSED 6" WIDE CONCRETE CURB
- YARD/GRASS AREA.
- LANDSCAPE AREAS. SEE LANDSCAPE PLAN BY OTHERS.
- SIGNS - "EMERGENCY VEHICLES ONLY"
- 5' WIDE CONCRETE SIDEWALK - SEE DETAIL ON SHEET 6.

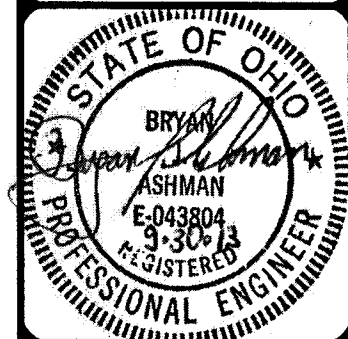
SITE PLAN

PROJ.# 13190

DRAWN BY: RAF
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SHEET
3 OF 7

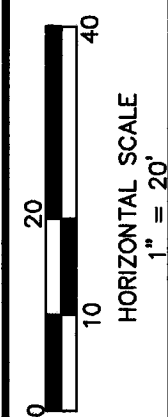
MIDWEST HEALTH SERVICES
LOCATED IN THE CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: **WEAVER COMMERCIAL CONTRACTOR**



COOPER & ASSOCIATES, LLP
ENGINEERS AND SURVEYORS
BRYAN J. ASHMAN JEROLD E. GEB
PHONE (630) 452-5731
FAX (630) 452-9110

REVISIONS

NO.	DATE	REVISION
1		
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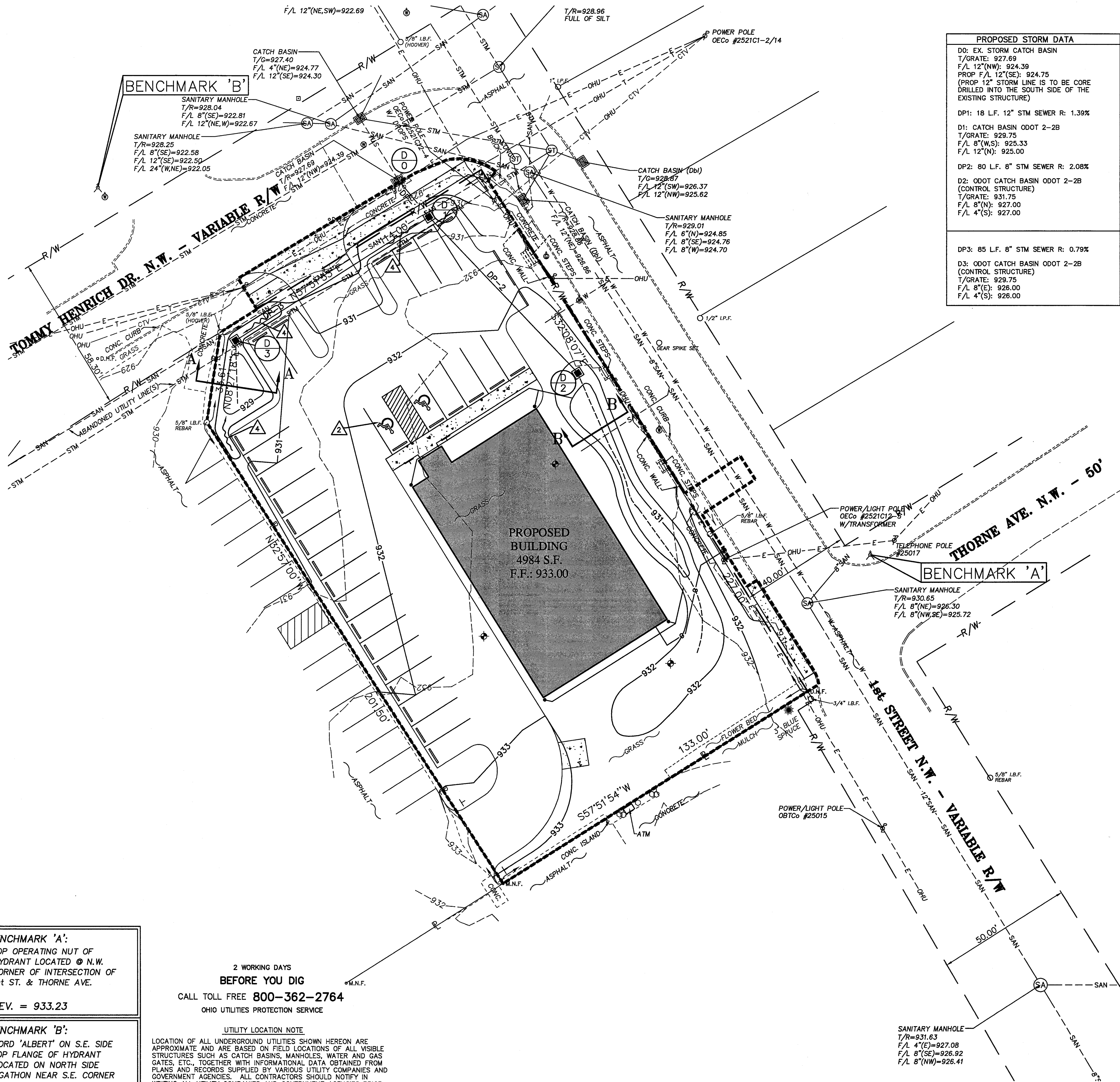
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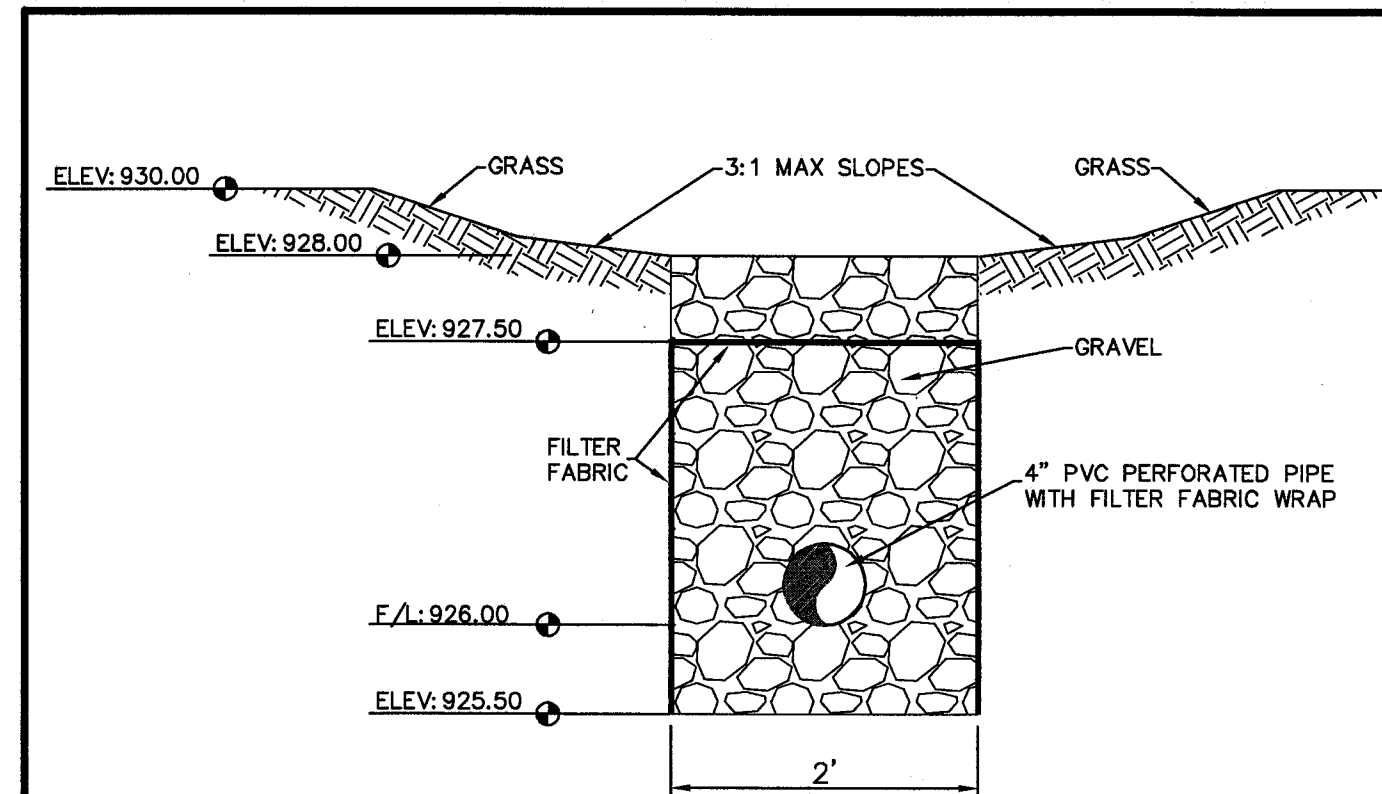
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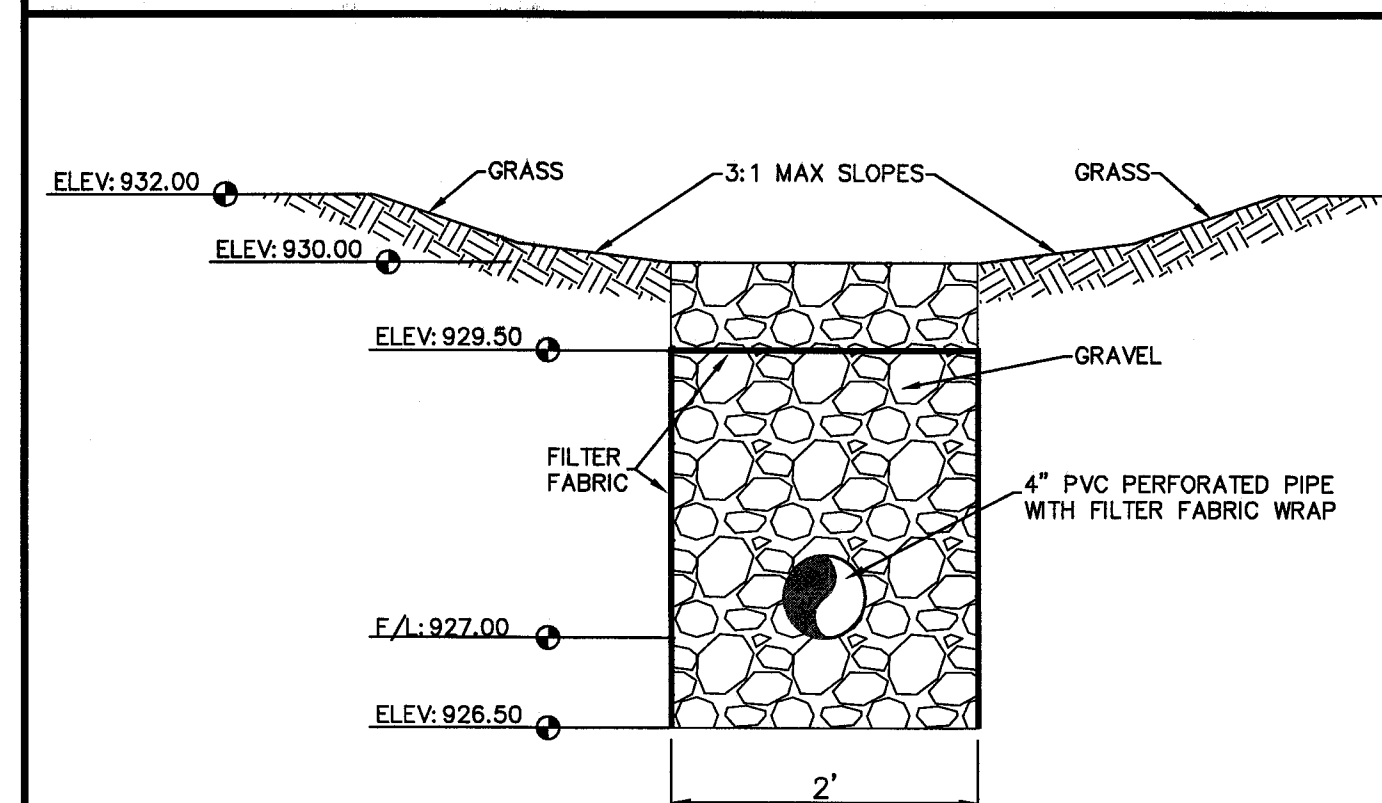
PROPOSED STORM DATA	
D0: EX. STORM CATCH BASIN	
T/GRATE: 927.69	
F/L 12"(NW): 924.39	
PROP F/L 12"(SE): 924.75	
(PROP 12" STORM LINE IS TO BE CORE DRILLED INTO THE SOUTH SIDE OF THE EXISTING STRUCTURE)	
DP1: 18 L.F. 12" STM SEWER R: 1.39%	
D1: CATCH BASIN ODOT 2-2B	
T/GRATE: 929.75	
F/L 8"(W.S): 925.33	
F/L 12"(N): 925.00	
DP2: 80 L.F. 8" STM SEWER R: 2.08%	
D2: ODOT CATCH BASIN ODOT 2-2B (CONTROL STRUCTURE)	
T/GRATE: 931.75	
F/L 8"(N): 927.00	
F/L 4"(S): 927.00	
DP3: 85 L.F. 8" STM SEWER R: 0.79%	
D3: ODOT CATCH BASIN ODOT 2-2B (CONTROL STRUCTURE)	
T/GRATE: 929.75	
F/L 8"(E): 926.00	
F/L 4"(S): 926.00	

KEY NOTES:

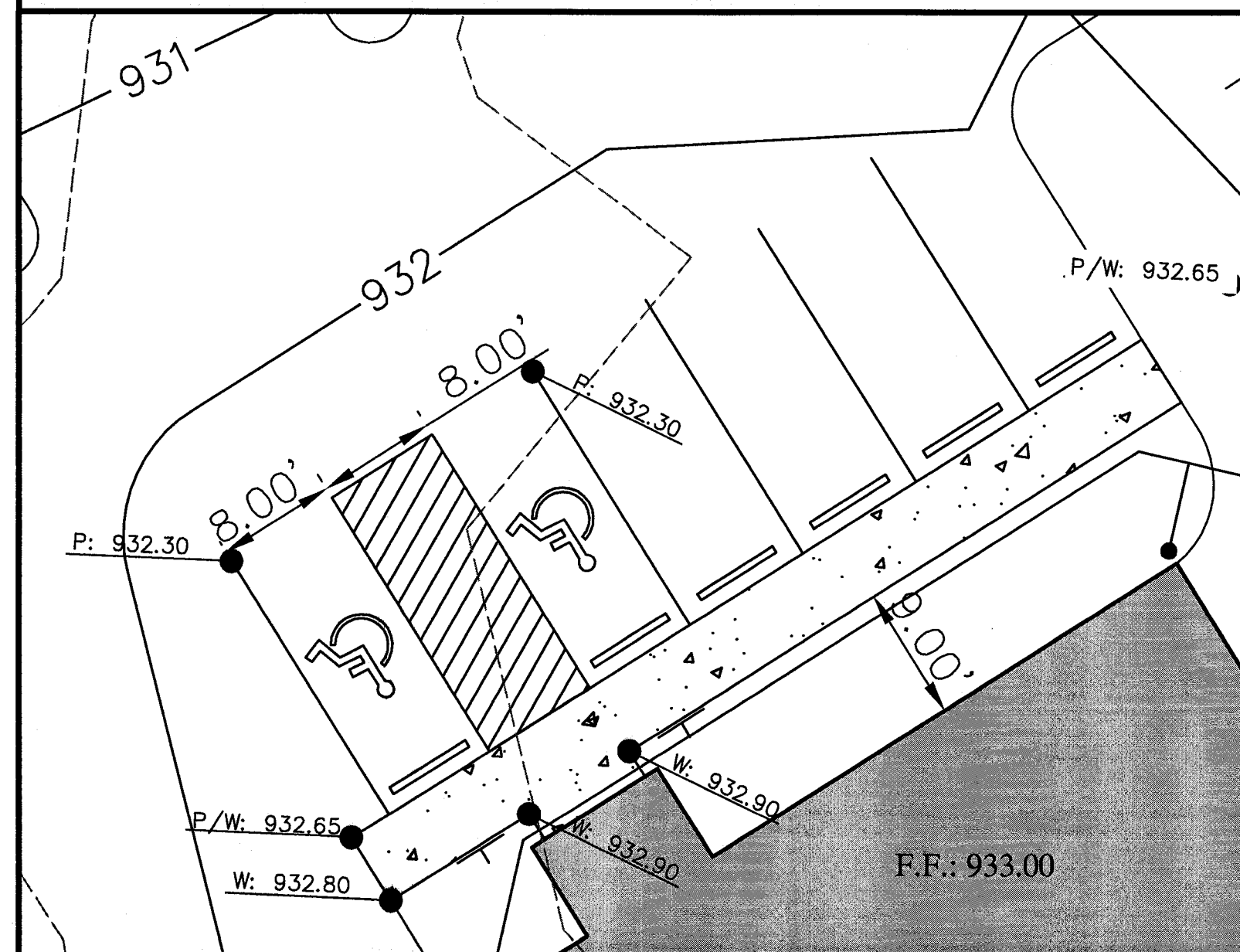
- AREA OF IMPACT: 0.7352 AC. (32,027 SF)
- SEE DETAIL THIS SHEET FOR HANDICAP PARKING SPOT PAVEMENT ELEVATIONS.
- PER FLOOD INSURANCE RAPE MAP PANEL #192 OF 428 (MAP #39151C0192E) THE SUBJECT PROPERTY IS WITHIN THE 500 YEAR FLOOD PLAIN (ZONE X).
- CONTRACTOR SHALL CONSTRUCT SWALE TO DIRECT SURFACE WATER INTO THE INFILTRATION BASIN OR CATCH BASIN.



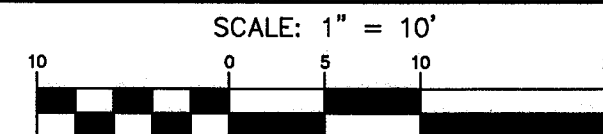
SECTION A-A
SCALE: NONE



SECTION B-B
SCALE: NONE



HANDICAP PARKING SPOT PAVEMENT ELEVATIONS



GRADING PLAN

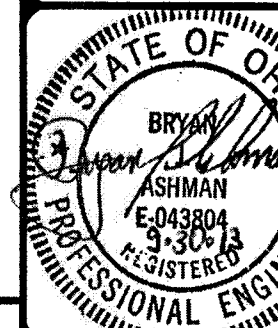
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LOCATED IN THE CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: **WEAVER COMMERCIAL CONTRACTOR**

DRAWN BY: **RAF**
CHECKED BY: **BJA**
DATE: **AUG 15, 2013**
SHEET
4 OF **7**
PROJ.# **13190**

COOPER & ASSOCIATES, LLP
ENGINEERS AND SURVEYORS



BRYAN J. ASHMAN
JEROLD E. GEIB
PHONE (330) 462-5731
FAX No (330) 462-9110



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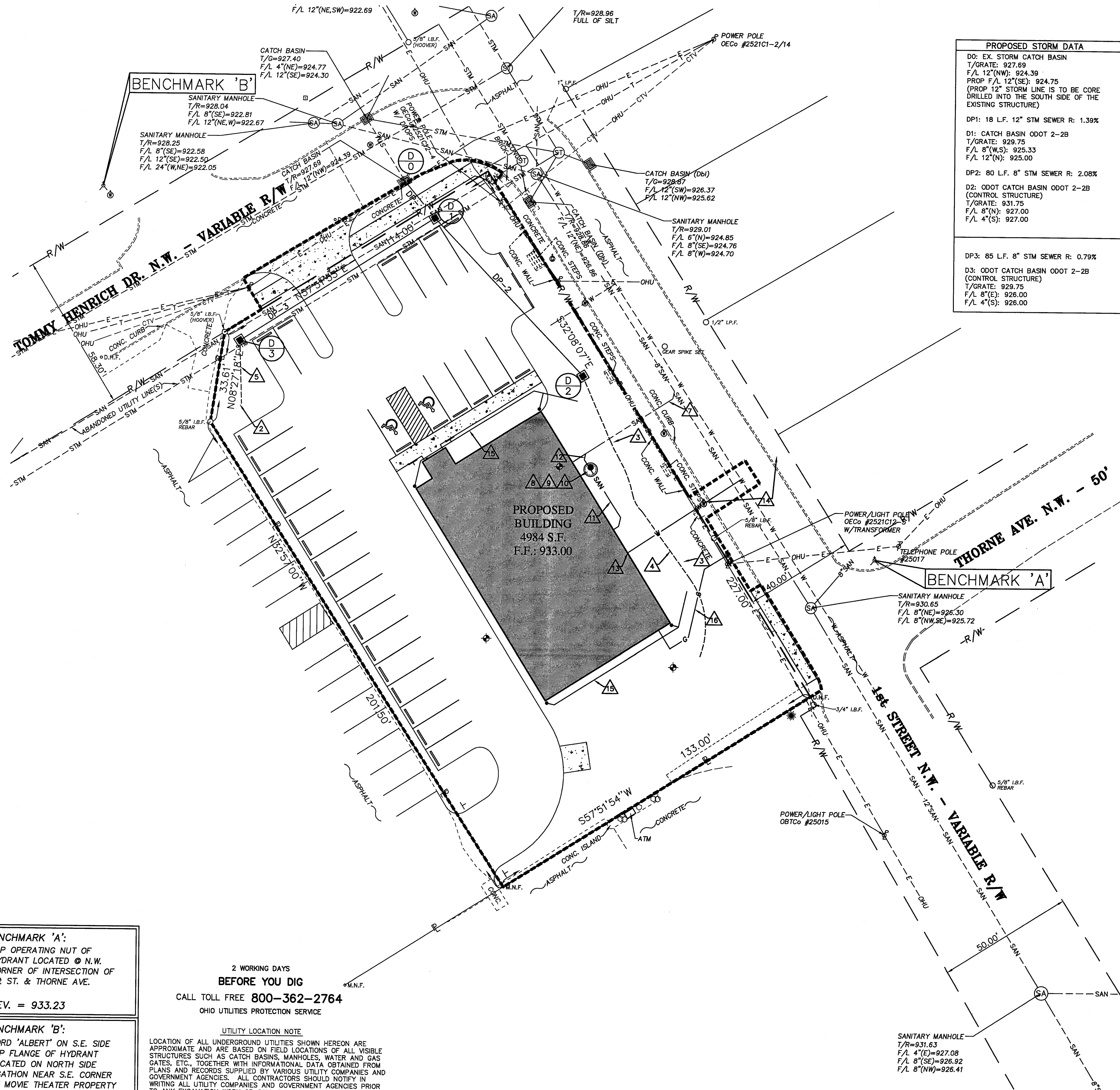
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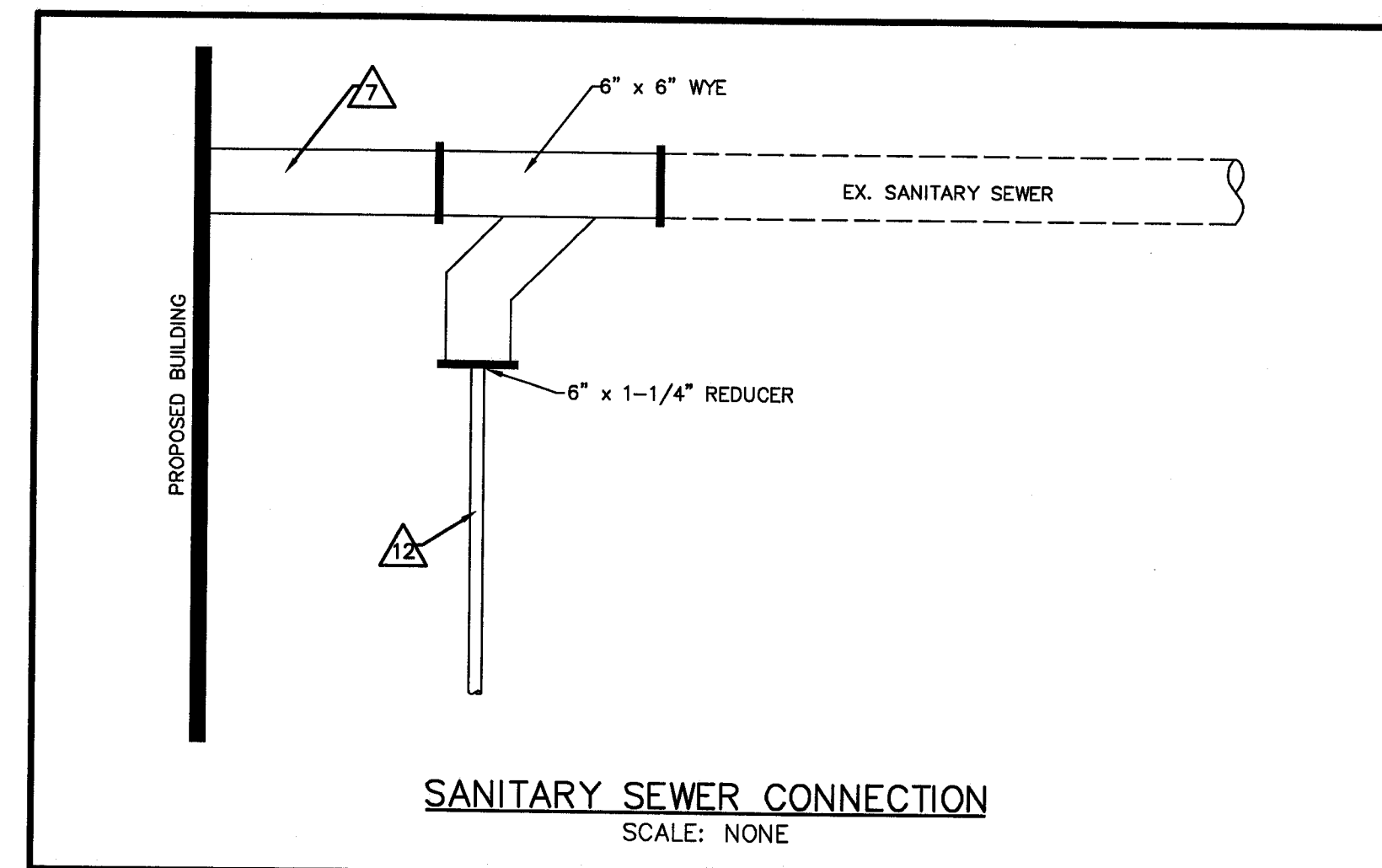
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KEY NOTES:

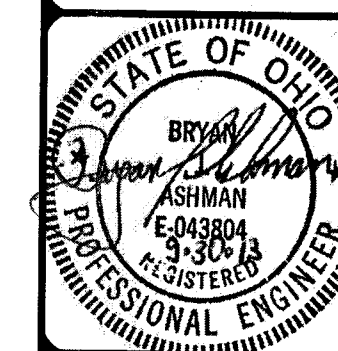
- AREA OF IMPACT: 0.7352 AC. (32,028 SF)
- RAIN GARDEN / SWM
VOLUME OF STORAGE: 315 CuFt
(TO ELEV. 929.75)
- RAIN GARDEN / SWM
VOLUME OF STORAGE: 1335 CuFt
(TO ELEV. 931.75)
- 4" PERFORATED PVC (WRAPPED)
F/L: 927.00
- 4" PERFORATED PVC (WRAPPED)
F/L: 926.00
- 5' WIDE CONCRETE SIDEWALK - SEE DETAIL ON SHEET 6.
- PROPOSED 6" SANITARY SERVICE EXTENDED TO BUILDING FOR UPPER
ROUGH SERVICE.
- THE LIFT STATION SHALL BE SERVED WITH POWER FROM THE BUILDING. NO
BACK UP POWER IS PROVIDED AS 1ST FLOOR IS SERVED BY GRAVITY. LIFT
STATION PROVIDES SANITARY SERVICE FOR THE PROPOSED BUILDING
LOWER LEVEL.
- THE PROPOSED SANITARY LIFT STATION CHAMBER (48" DIAMETER) SHALL
BE A DUPLEX CONCRETE INSTALLATION WITH REMOTE (OFFICE) MOUNTED
PANEL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE
LIFT STATION CHAMBER SHALL BE ANCHORED TO A ANTI-BUOYANCY
CONCRETE BASE BEING 6 FOOT DIAMETER AND 12 INCH THICK. SEE DETAIL
ON SHEET 6.
- THE LIFT STATION ALTERNATING DUPLEX SUBMERSIBLE GRINDER PUMPS
SHALL BE HYDRAMATIC MODEL SPGL, SINGLE PHASE, 1 HP CAPABLE OF
PUMPING 10 GPM AT 25 FOOT TDH. SHOULD THE CONTRACTOR WISH TO
INSTALL AND ALTERNATIVE MANUFACTURER, HE MUST RECEIVE WRITTEN
APPROVAL OF THE SUBSTITUTION PRIOR TO ORDERING ANY MATERIALS.
- PROPOSED 6" SERVICE SEWER (PVC SMOOTH EXTERIOR PER SANITARY
NOTE 6) INSTALLED AT A MINIMUM SLOPE OF 1.00%.
- 1.25" SANITARY FORCEMAIN (PVC SCH 80). CONTRACTOR SHALL CONNECT
PROPOSED FORCEMAIN TO PROPOSED SERVICE SEWER. SEE DETAIL THIS
SHEET.
- 4" WATER SERVICE PER AQUA OHIO REQUIREMENTS. SEE ARCHITECT PLANS
FOR BUILDING CONNECTION.
- CONTRACTOR SHALL BORE UNDER 1ST STREET FOR CONNECTION INTO
EXISTING WATER AND PROVIDE 4" GATE VALVE AND BOX LOCATED WEST
OF THE 1ST STREET CURB PER AQUA OHIO REQUIREMENTS.
- DOWNSPOUT HEADER PIPE SHALL BE 4" PVC (SDR 35) UNLESS MARKED
OTHERWISE. INSTALL AT 1% RATE MINIMUM.
- GAS SERVICE LINE, SEE ARCHITECT PLANS FOR SIZE AND BUILDING
CONNECTION.



COOPER & ASSOCIATES, LLP
ENGINEERS AND SURVEYORS

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FAX No. (330) 462-9110



MIDWEST HEALTH SERVICES
LOCATED IN THE CITY OF MASSILLON
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FOR: **WEAVER COMMERCIAL CONTRACTOR**

DRAWN BY: **RAF**
CHECKED BY: **BJA**
DATE: **AUG 15, 2013**
SHEET
5 of 7
PROJ.# 13190

UTILITY PLAN

3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE CODES, ORDINANCES, AND STANDARD SPECIFICATIONS OF THE MASSILLION. IN LIEU OF ANY LOCAL SPECIFICATIONS WORK SHALL BE DONE IN CONFORMANCE WITH THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS MOST RECENT EDITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION.
3. IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO CONSTRUCT ALL ITEMS ON THESE PLANS USING CONSTRUCTION MEANS AND METHODS THAT WILL PROTECT PROPERTY AND PREVENT BODILY INJURY AND/OR DEATH. THE CONTRACTOR SHALL TAKE ANY NECESSARY SAFETY PRECAUTIONS TO COMPLY WITH THE SAFETY REQUIREMENTS OF CITY, STATE, AND FEDERAL GOVERNMENTS.
4. ALL EXISTING FIELD CONDITIONS SHALL BE FIELD CHECKED AND VERIFIED BY CONTRACTORS PRIOR TO BIDDING AND CONSTRUCTION. SHOULD THERE BE ANY DISCREPANCY BETWEEN PLANS AND ACTUAL FIELD CONDITIONS, CONTRACTOR HAS TO SEEK WRITTEN CLARIFICATION FROM THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.
5. SHOULD THE CONTRACTOR ENCOUNTER CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, EITHER AMONG THEMSELVES OR WITH THE REQUIREMENTS OF ANY AND ALL REVIEWING AND PERMIT-ISSUING AGENCIES, HE SHALL SEEK CLARIFICATION IN WRITING FROM THE OWNER'S REPRESENTATIVE BEFORE COMMENCEMENT OF CONSTRUCTION.
6. THE CONTRACTOR SHALL PERFORM ALL OF THE WORK AND FURNISH ALL OF THE LABOR & MATERIALS NECESSARY FOR THE FINAL COMPLETION OF THIS CONTRACT IN THE MANNER AND UNDER THE CONDITIONS HEREIN SPECIFIED AND PROVIDED AND IN ACCORDANCE WITH THE CONTRACT DRAWINGS.
7. ALL SHOP DRAWINGS WILL BE SUBMITTED TO THE OWNER'S ENGINEER FOR APPROVAL.
8. THE CONTRACTOR SHALL NOTIFY THE CITY OF MASSILLION POLICE & FIRE DEPARTMENTS AT LEAST 48 HOURS IN ADVANCE OF ANY STREET CLOSING OR TRAFFIC CHANGE.
9. THE CONTRACTOR SHALL PERFORM WORK AS TO NOT DISTURB, DAMAGE OR DESTROY MAILBOX, PAPERBOX, TELEPHONE OR POWER POLES, SIGNS, LANDSCAPING ITEMS, ETC. ANY ITEM DAMAGED OR DESTROYED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY ITEM DISTURBED OR IN CONFLICT WITH THE WORK TO BE PERFORMED SHALL BE REMOVED AND RESET AT THE CONTRACTOR'S EXPENSE. PRIOR ENGINEER APPROVAL IS REQUIRED BEFORE ANY OF THE ABOVE ITEMS ARE PERFORMED.
10. CONSTRUCTION SHALL BE PERFORMED, AND EQUIPMENT STORED, IN A MANNER THAT PERMITS EXISTING FACILITIES TO PERFORM WITHOUT INTERRUPTION.
11. THE CONTRACTOR WILL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS REFERENCE POINTS, AND STAKES AND IN CASE OF DISTURBANCE, HE SHALL ENGAGE A REGISTERED SURVEYOR TO REPLACE THEM AT HIS EXPENSE AND SHALL BE RESPONSIBLE FOR ANY MISTAKES THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.

1. NO SOIL BORINGS WERE ACQUIRED FOR THIS PROJECT. THE CONTRACTOR MAY PERFORM HIS OWN SOILS INVESTIGATION AFTER OBTAINING APPROVAL FROM THE OWNER.
2. EMBANKMENT CONSTRUCTION AND SUBGRADE COMPACTION SHALL BE IN GENERAL CONFORMANCE WITH ODOT SPECIFICATIONS AND MORE SPECIFICALLY AS FOLLOWS:
 - A. STANDARD PROCTOR WITHIN BUILDING LIMITS (TO 5' OUTSIDE BUILDING LINE) AND UNDER PAVEMENT = 100%
 - B. STANDARD PROCTOR IN UTILITY TRENCHES = 95%
 - C. STANDARD PROCTOR IN YARD AREAS = 90%
3. ALL EXCESS EXCAVATION MATERIALS SHALL BE DISPOSED OF ON-SITE AS APPROVED BY THE OWNER.
4. ALL UTILITY LINES (I.E. STORM SEWERS, STORM LATERALS, SANITARY LATERALS, WATER MAINS, WATER SERVICE CONNECTIONS, GAS MAINS, GAS SERVICE CONNECTIONS, UNDERGROUND OIL CONDUITS, CABLE TV LINES) CROSSING THE PROPOSED IMPROVEMENTS, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AND SUPPORTED WITH HARDWOOD PLANKS OR REMOVED AND REPLACED, RECONNECTED AND SUPPORTED ACROSS THE ENTIRE WIDTH OF THE TRENCH. NO ADDITIONAL COMPENSATION WILL BE PAID FOR THE ABOVE WORK. IF ANY OF THESE LINES ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE REPLACED.

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUFFICIENT SITE SECURITY MEASURES AND/OR PERSONNEL TO PROTECT HIS MATERIALS AND EQUIPMENT. CONTRACTOR SHALL ALSO PROTECT ALL NEW CONCRETE WORK FROM VANDALISM UNTIL THE CONCRETE IS SUFFICIENTLY CURED AT NO ADDITIONAL COST TO THE OWNER.

THE FOLLOWING NOTES APPLY TO SANITARY, STORM, AND WATER CONNECTIONS.

1. LOCATIONS OF EXISTING SEWER CONNECTIONS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING CONNECTIONS AS APPLICABLE.
 - A. IF APPLICABLE, THERE SHALL BE NO ADDITIONAL COSTS TO THE OWNER FOR SAW CUTTING, EXCAVATION OR BACKFILL, INCLUDING MATERIALS AND LABOR FOR PIPING, CAPS, BULKHEADS AND BULKHEADS PLACED FOR LATERALS WHICH ARE DETERMINED TO BE INACTIVE AND THUS ARE TO BE ABANDONED.
2. AS APPLICABLE, EXISTING SEWER & WATER SERVICE CONNECTIONS SHALL BE PROTECTED AND MAINTAINED IN SERVICE. ANY EXISTING WATERLINE, SANITARY SEWER, AND GAS LINE, IN OR OUTSIDE OF THE CONSTRUCTION ZONE, DAMAGED DURING CONSTRUCTION OF THE PROPOSED PROJECT, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUISITION OF PERMITS (AND PAYMENT OF ANY PERMIT & INSPECTION FEES) FOR PERFORMANCE OF ANY WORK WITHIN THE PUBLIC ROADWAYS.
2. ALL EXISTING PAVEMENT REMOVAL & REPLACEMENT OR NEW PAVEMENT AND ASSOCIATED ROADWAY WORK SHALL BE IN ACCORDANCE WITH THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, STANDARD CONSTRUCTION DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS, MOST RECENT EDITION, WITH THE MODIFICATIONS AS SET FORTH IN THESE SPECIFICATIONS.
3. PROPOSED DRIVE APRONS SHALL BE IN ACCORDANCE WITH CITY OF MASSILLON REGULATIONS.

1. AS APPLICABLE ALL EXISTING MANHOLES, CATCH BASINS, MONUMENT BOXES, WATER METER BOXES, WATER VALVE BOXES, GAS VALVE BOXES, OR OTHER EXISTING UTILITY APPURTENANCES WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO THE PROPOSED GRADE AND FLUSH WITH THE NEW SURFACE. ANY METER OR VALVE BOX ENCOUNTERED WITHIN THE WORK SITE SHALL BE EXPOSED.

1. THE FOLLOWING MATERIALS ARE APPROVED FOR THE STORM SEWER UNLESS OTHERWISE DESIGNATED ON THE PLAN. INSTALLATION TO BE IN ACCORDANCE WITH ODOT TYPE 'B' UNLESS OTHERWISE NOTED.
 - A. REINFORCED CONCRETE PIPE PER ODOT ITEM 603
 - B. HIGH DENSITY POLYETHYLENE CORRUGATED PIPE WITH SMOOTH INTERIOR PER ODOT ITEM 707.33
 - C. PVC (SDR35) IN ACCORDANCE WITH ASTM D 3034
 - D. 4" UNDERDRAINS (AS APPLICABLE) SHALL BE CORRUGATED POLYETHYLENE TUBING IN ACCORDANCE WITH AASHTO M252-85I OR AS APPROVED.

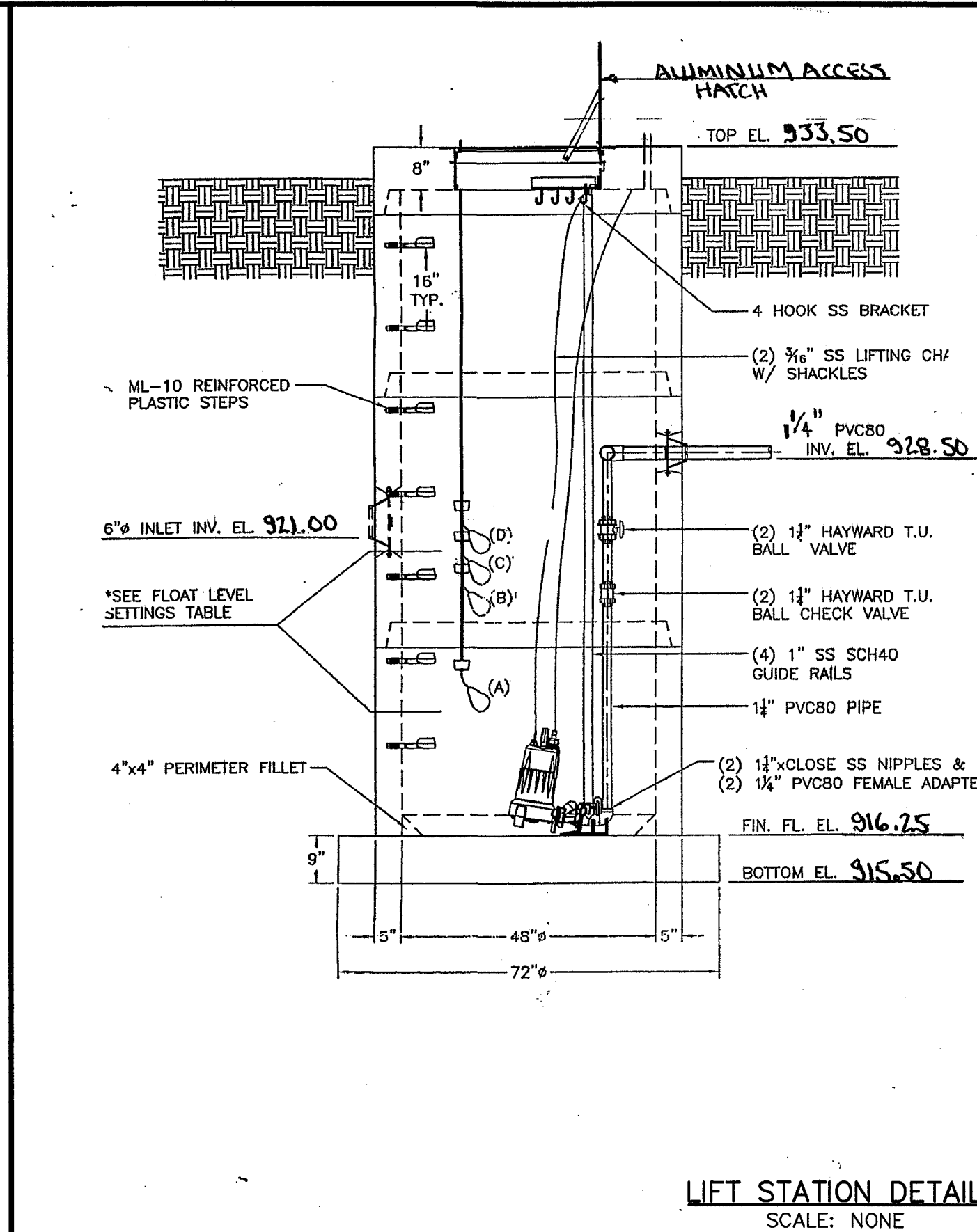
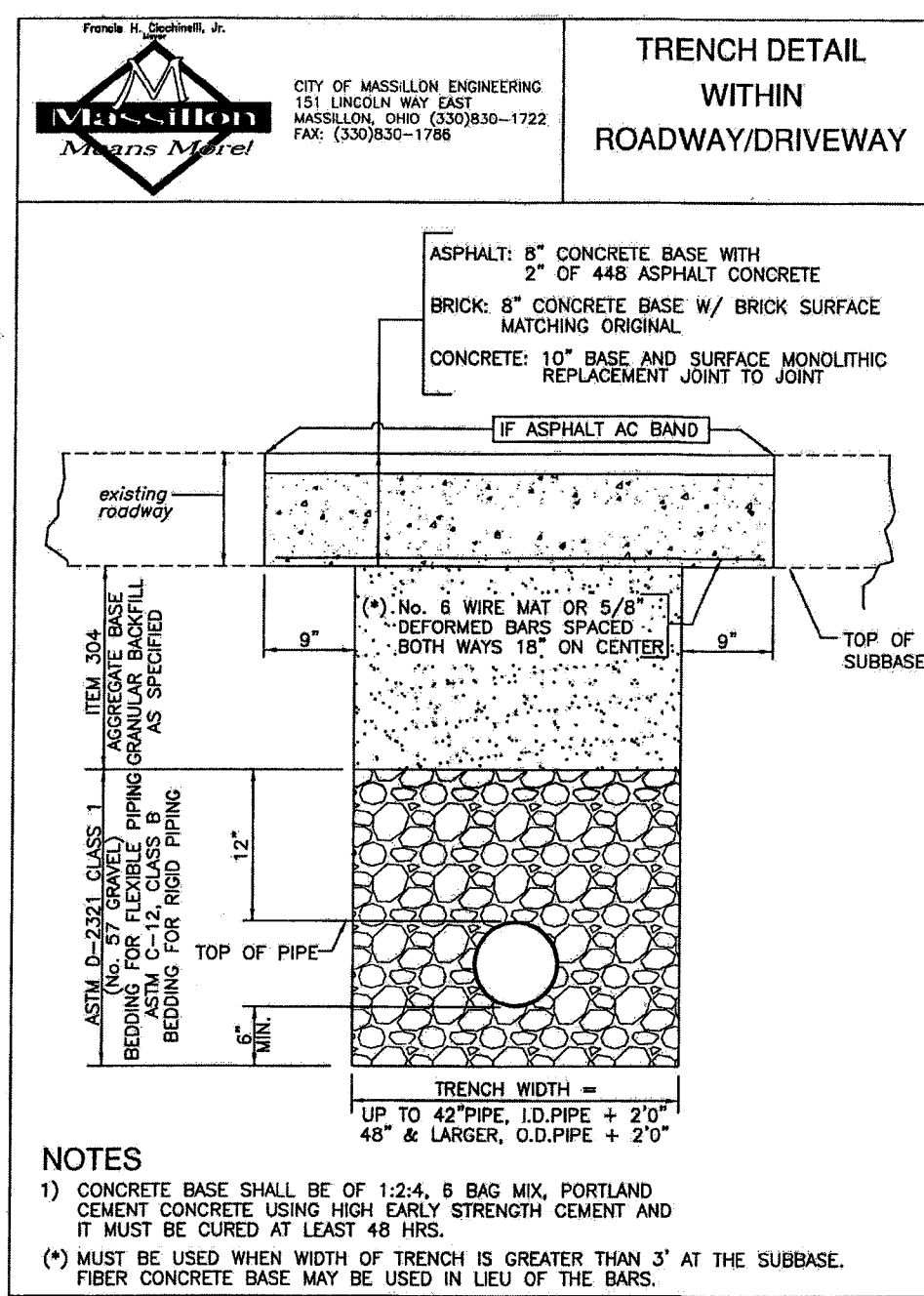
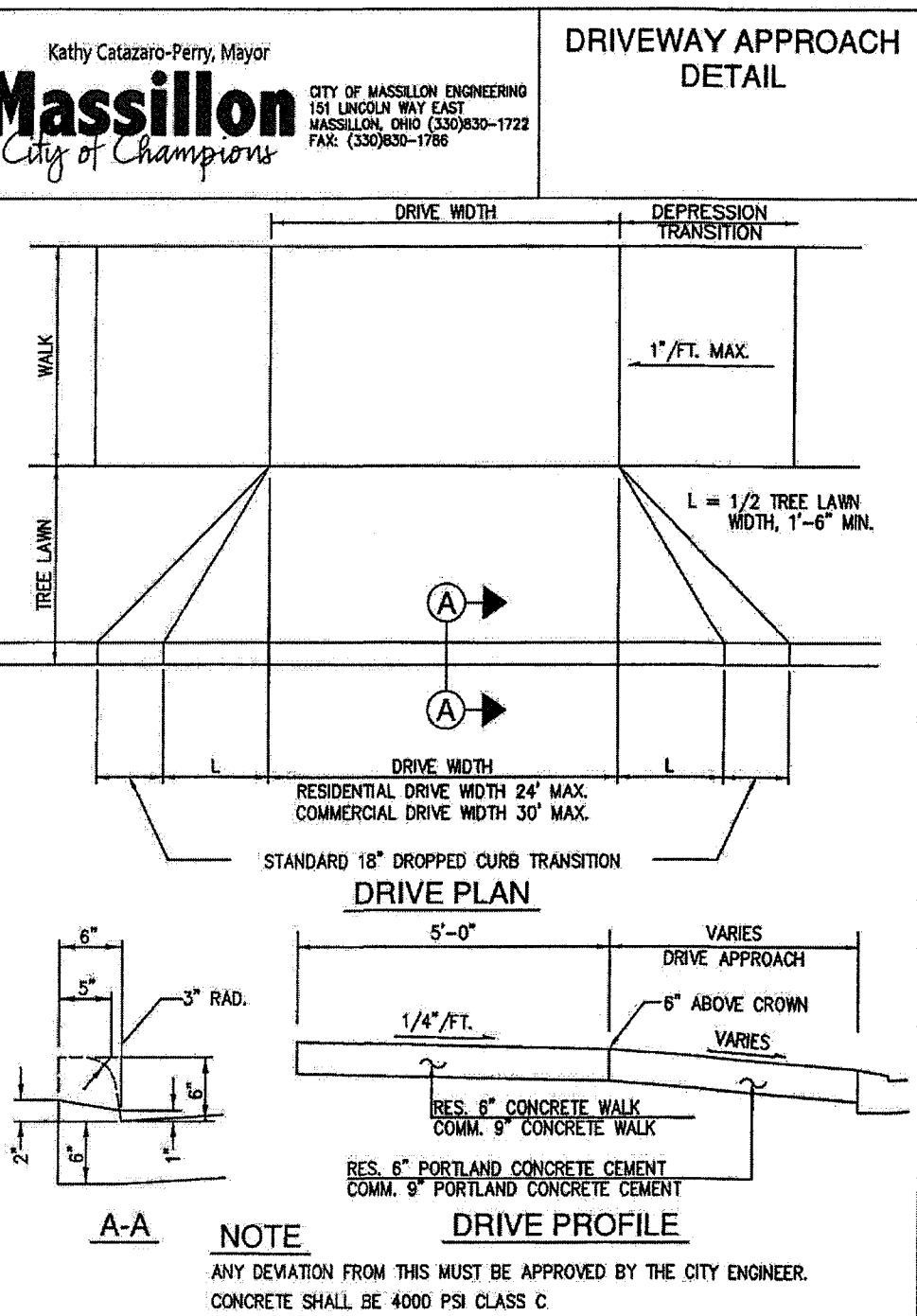
1. THE CONTRACTOR SHALL VISIT THE SITE PERSONALLY TO ASCERTAIN THE NATURE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE SITE.
2. THE LOCATIONS OF THE UNDERGROUND UTILITIES ARE PER SURVEY OR PLOTTED ACCORDING TO THE INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL APPLICABLE UTILITY COMPANIES.
3. IN THE EVENT OF DAMAGE TO EXISTING PUBLIC AND/OR PRIVATE UTILITIES, THE AGENCY CONCERNED SHALL BE NOTIFIED IMMEDIATELY AND ALL REPAIR WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE AGENCY AT NO ADDITIONAL EXPENSE TO THE OWNER INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS.
4. WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORKS AND DEEPENING WITH THOSE OF THE UTILITY COMPANIES. SUCH THAT THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE. THE COST FOR ANY REQUIRED PROTECTION SHALL BE BY THE CONTRACTOR.
5. BEFORE ANY WORK IS STARTED THAT WILL INTERFERE WITH THE EXISTING UTILITIES, THE CONTRACTOR SHALL CALL THE "OHIO UTILITIES PROTECTION SERVICE" AT 1-800-362-2764, FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES DURING THE ENTIRE PROJECT. IN THE EVENT OF DAMAGE TO EXISTING PUBLIC AND/OR PRIVATE UTILITIES, THE AGENCY CONCERNED SHALL BE NOTIFIED IMMEDIATELY AND ALL REPAIR WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE AGENCY AT NO ADDITIONAL EXPENSE TO THE OWNER.

50 T&T 50 W. BOWERY ST 4TH FLOOR AKRON, OHIO 44308 ATTN: CINDY T ZUCHEGNO	DOMINION EAST OHIO 320 SPRINGSIDE DRIVE, SUITE 320 AKRON, OHIO 44308 PH: 330-844-2408 ATTN: MARY LONG
MASSILLON CABLE TV 814 CABLE CT. NW MASSILLON, OHIO 44648 PH: 330-438-4154 ATTN: JEFF CAMBELL	AQUA, OHIO INC. 870 THIRD STREET NW MASSILLON, OHIO 44647 PH: 330-832-7800 ATTN: DON SNYDER
2600 ERIE ST. S MASSILLON, OHIO 44646 PH: 330-330-7056 ATTN: MIKE SAGE	CITY OF MASSILLON ENGINEERING DEPARTMENT 151 LINCOLN WAY EAST MASSILLON, OHIO 44646 PH: 330-330-1722

6. WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.
7. IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

1. THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS OPERATION AND RESTORE ALL SURFACES, STRUCTURES, DITCHES AND PROPERTY TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER'S ENGINEER. ANY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE REGRADED BY THE END OF THE SAME WORKDAY.
2. ALL EXISTING STORM AND SANITARY SEWER FACILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED, REPLACED OR RECONNECTED TO THE EXISTING OR PROPOSED SYSTEM AS DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER.

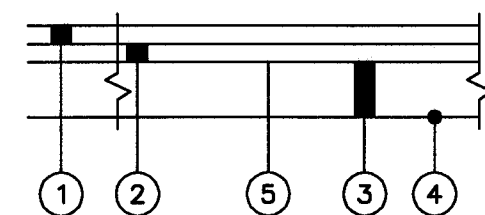
1. THE PROPOSED AREA OF IMPACT FOR THIS PROJECT IS LESS THAN 1.0 ACRES; THEREFORE NO NPDES PERMIT WAS FILED NOR WERE INDEPENDENT EROSION CONTROL PLANS PREPARED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ON-SITE EROSION CONTROL IN CONFORMANCE WITH REQUIREMENTS OF THE CITY OF MASSILLON AND AS PRESENTED ON THE IMPROVEMENT PLANS.
3. THE CONTRACTOR SHALL TAKE PRECAUTION TO PERFORM ALL ACTIVITIES IN CONFORMANCE WITH CITY, STATE, AND FEDERAL LAWS RELATIVE TO THE PROTECTION TO THE ENVIRONMENT. SOME SPECIFIC ITEMS (NOT INCLUSIVE) WHICH ARE PROHIBITED FOLLOW:
 - A. LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS.
 - B. INDISCRIMINATE, ARBITRARY OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, WETLANDS, SURFACE WATER OR OUTSIDE THE EASEMENT.
 - C. PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, STREAM CORRIDORS, WETLANDS OR STORM SEWERS; ALL SUCH WATER WILL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO RELEASE.
 - D. DISCHARGING OF PAINTS, CHEMICALS, FUELS, OILS, GREASES, BITUMINOUS MATERIALS, RAW SEWAGE AND OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS, WETLANDS, SURFACE WATERS, IMPOUNDMENTS OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO.
 - E. OPERATIONS ENTAILING THE USE OF GENERATOR WARMERS OR COMPACTORS OUTSIDE THE HOURS OF 8:00 AM TO 4:30 PM OR OUTSIDE THE HOURS ALLOWED FOR CONSTRUCTION BY LOCAL ORDINANCES OR REGULATIONS.



INITIAL FLOAT LEVEL SETTINGS	
	ELEVATION
(D) HIGH LEVEL ALARM	920.25
(C) LAG PUMP ON	919.15
(B) LEAD PUMP ON	919.25
(A) PUMP OFF	917.00

1. MANHOLE SECTION SHALL CONFORM TO PROVISIONS STATED IN ASTM C-478.
2. ALL CONCRETE 5,000 PSI @ 28 DAYS.
3. O-RINGS, LUBE & SEAL FOR THE RISER JOINTS IN ALL MANHOLE UNIONS.
4. O-RING GASKETS MEET REQUIREMENTS OF ASTM C-443.
5. ALL NUTS, BOLTS & WEJ-ITS ARE STAINLESS STEEL.
6. INTERIOR COATED WITH CS-55.
7. NO EXTERIOR COATINGS.
8. NO PIPE, VALVE, OR FITTING COATING.

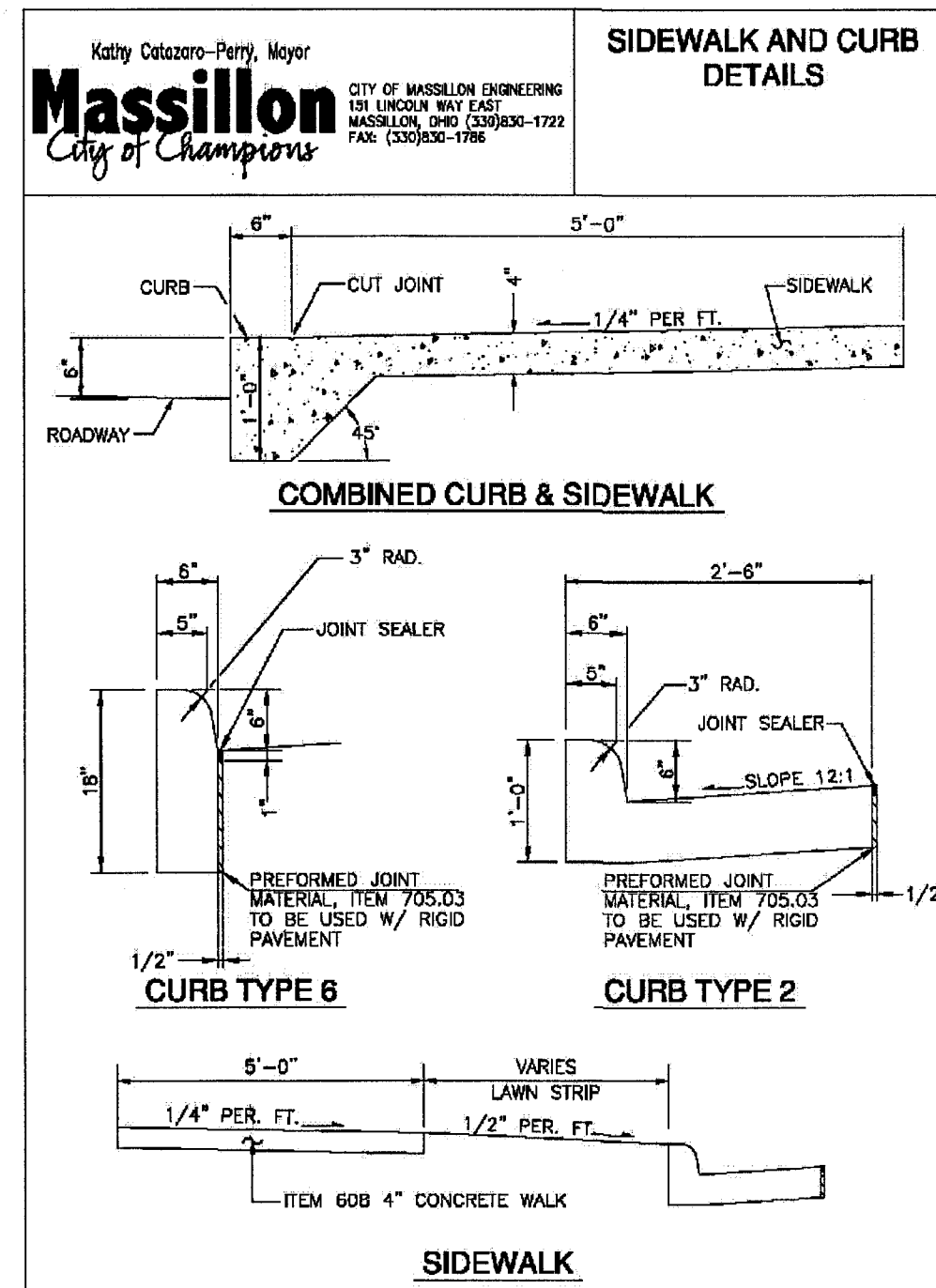
(1) 2" Z-LOK C107-3 w/CLAMPS
(1) 6" Z-LOK C107-4 w/CLAMPS



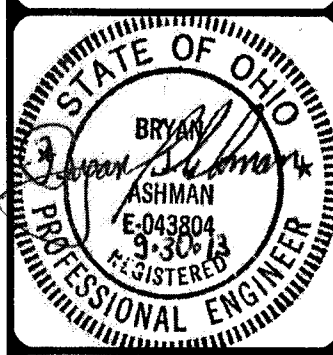
- ① ITEM 448 - 1" ASPHALT CONCRETE SURFACE COURSE, TYPE 1
- ② ITEM 448 - 3-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2
- ③ ITEM 304 - 6" AGGREGATE BASE
- ④ ITEM 204 - SUBGRADE COMPACTION
- ⑤ ITEM 408 - BITUMINOUS PRIME COAT
 @ 0.4 GAL/SY

1.) IF BOTH 448 PAVEMENTS ARE PLACED ON THE SAME DAY, THE TACK COAT MAY BE OMITTED, OTHERWISE THE TACK COAT SHALL BE APPLIED AT A RATE OF 0.075 GAL. PER SQ. YD.

SCALE: NONE



COOPER & ASSOCIATES, LLP
ENGINEERS AND SURVEYORS

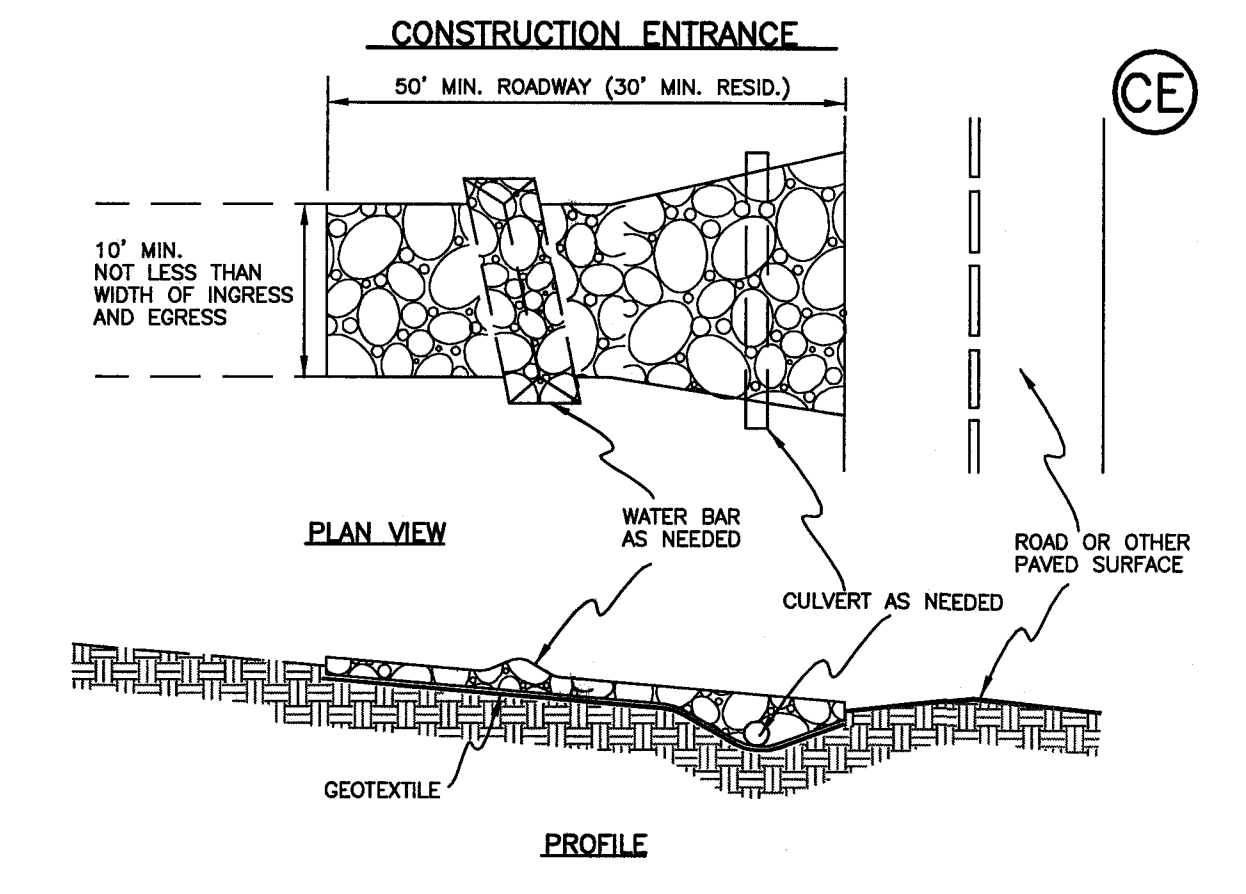
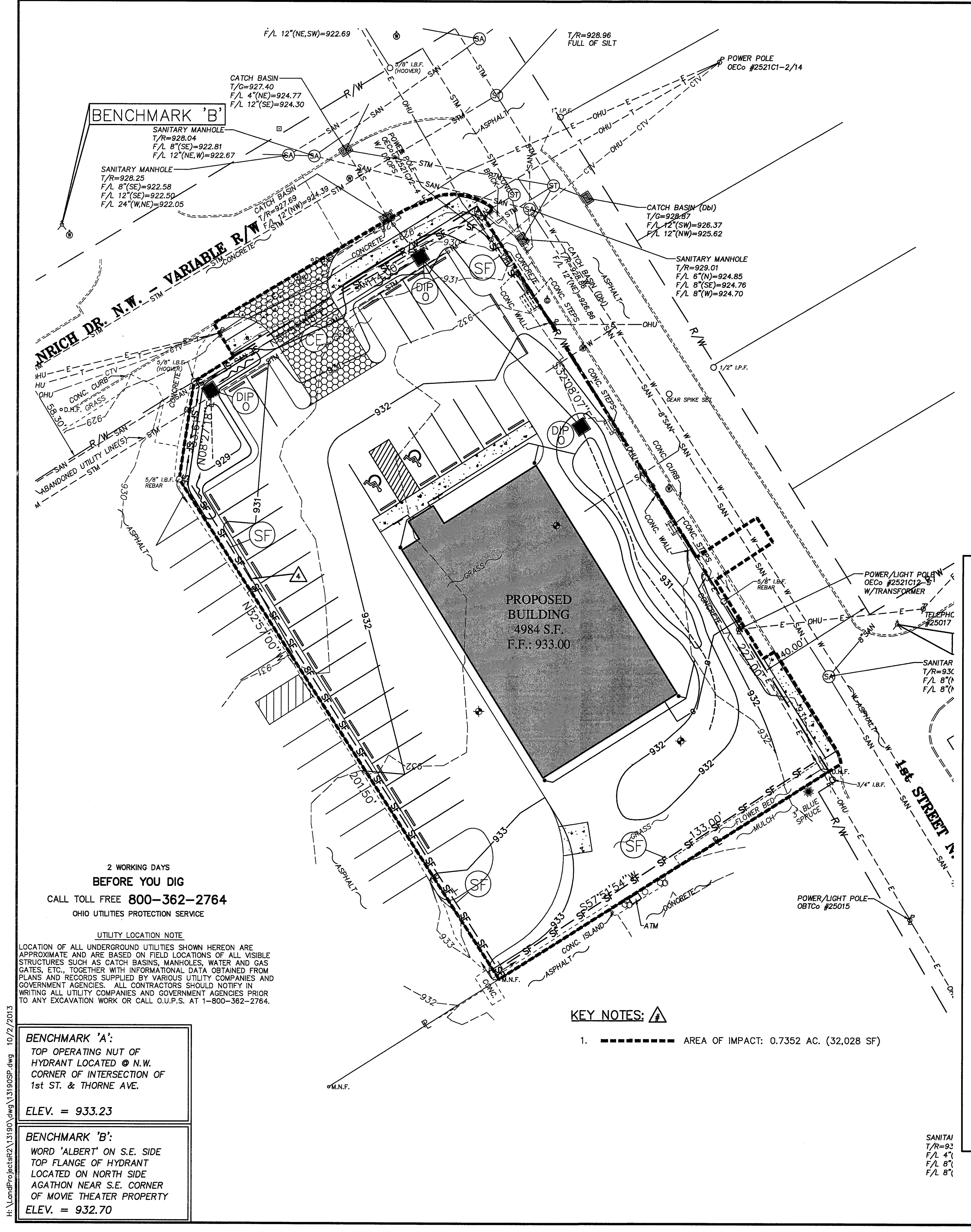


NOTES AND DETAILS

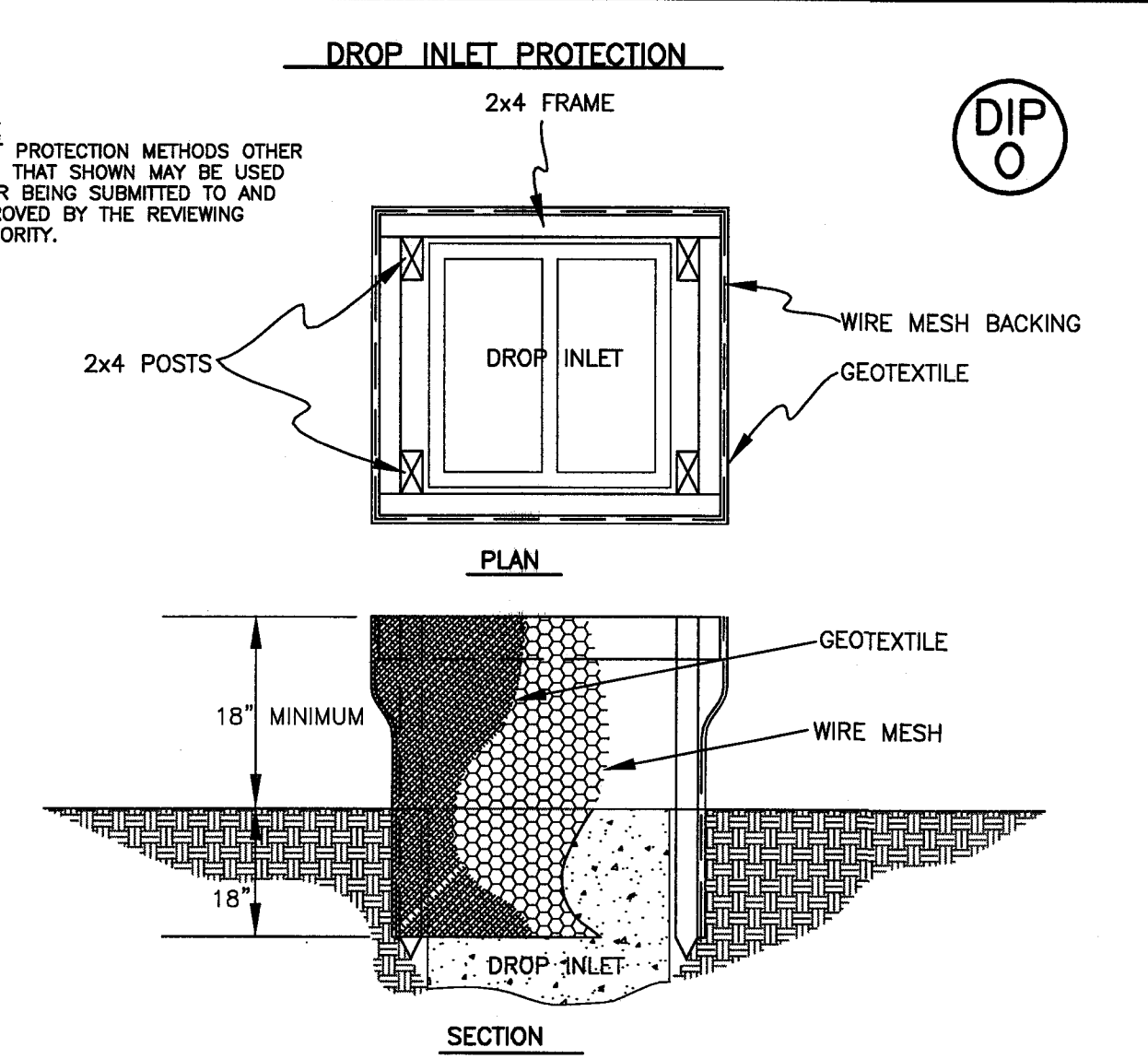
MIDWEST HEALTH SERVICES
LOCATED IN THE CITY OF MASSILLON
STARK COUNTY, OHIO

FOR: **WEAVER COMMERCIAL CONTRACTOR**

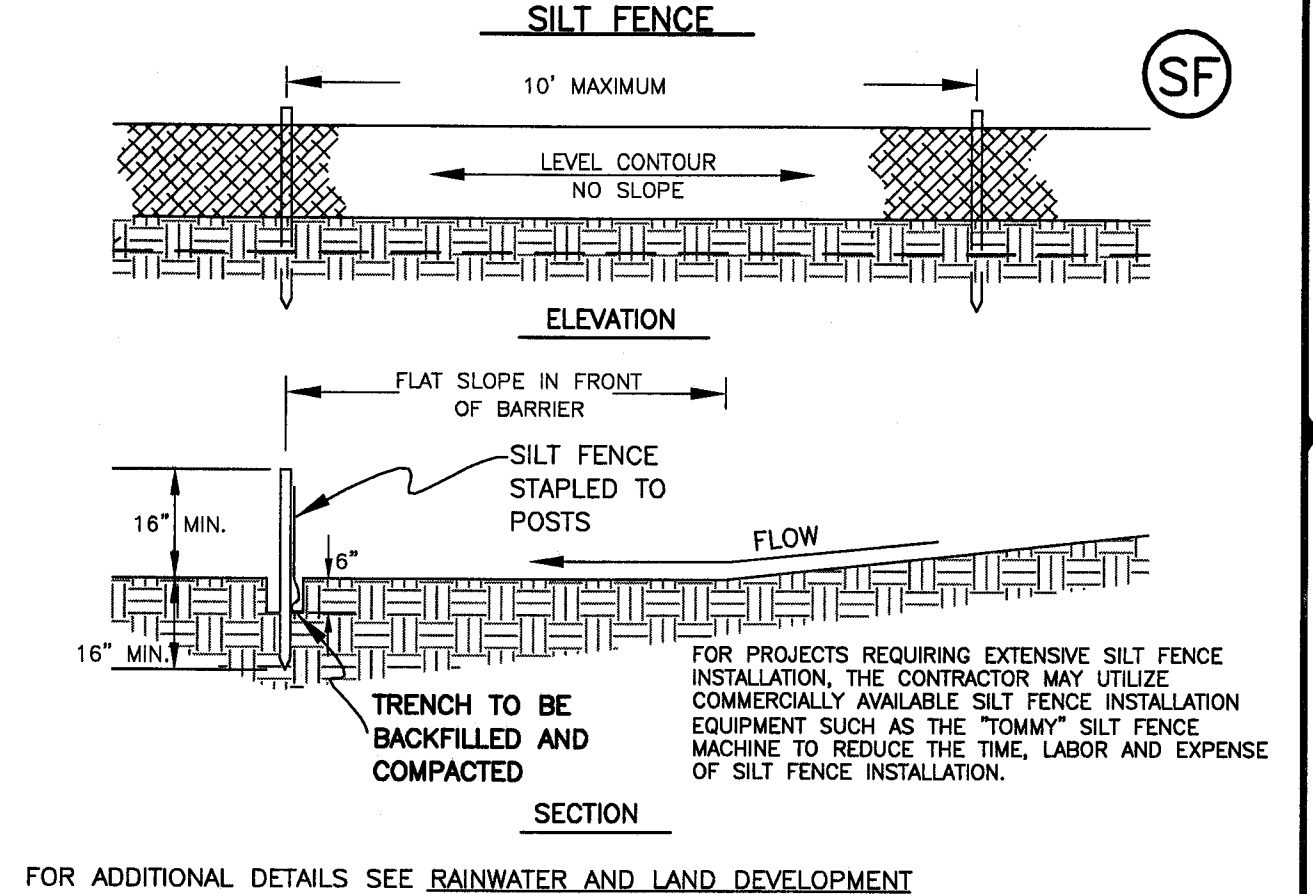
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CHECKED BY: BJA
DATE AUG 15, 2013
SHEET
6 OF 7
PROJ.# 13190



- FOR ADDITIONAL DETAILS SEE RAINWATER AND LAND DEVELOPMENT
- SPECIFICATIONS**
- 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 50' (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
 - THICKNESS - THE STONE LAYER SHALL BE AT LEAST 12" THICK.
 - WIDTH - THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
 - BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE 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 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 REIED 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.



- FOR ADDITIONAL DETAILS SEE RAINWATER AND LAND DEVELOPMENT
- SPECIFICATIONS**
- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
 - THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
 - THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2"x 4" CONSTRUCTION GRADE LUMBER. THE 2x4 POSTS SHALL BE DRIVEN 1" INTO THE GROUND AT THE FOUR CORNERS OF THE INLET AND THE TOP PORTIONS OF 2x4 FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6" BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
 - WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
 - 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 TO IT. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18" BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
 - BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6" LAYERS UNTIL THE EARTH IS EVEN WITH THE NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
 - 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 THE EARTH DIKE SHALL BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME.



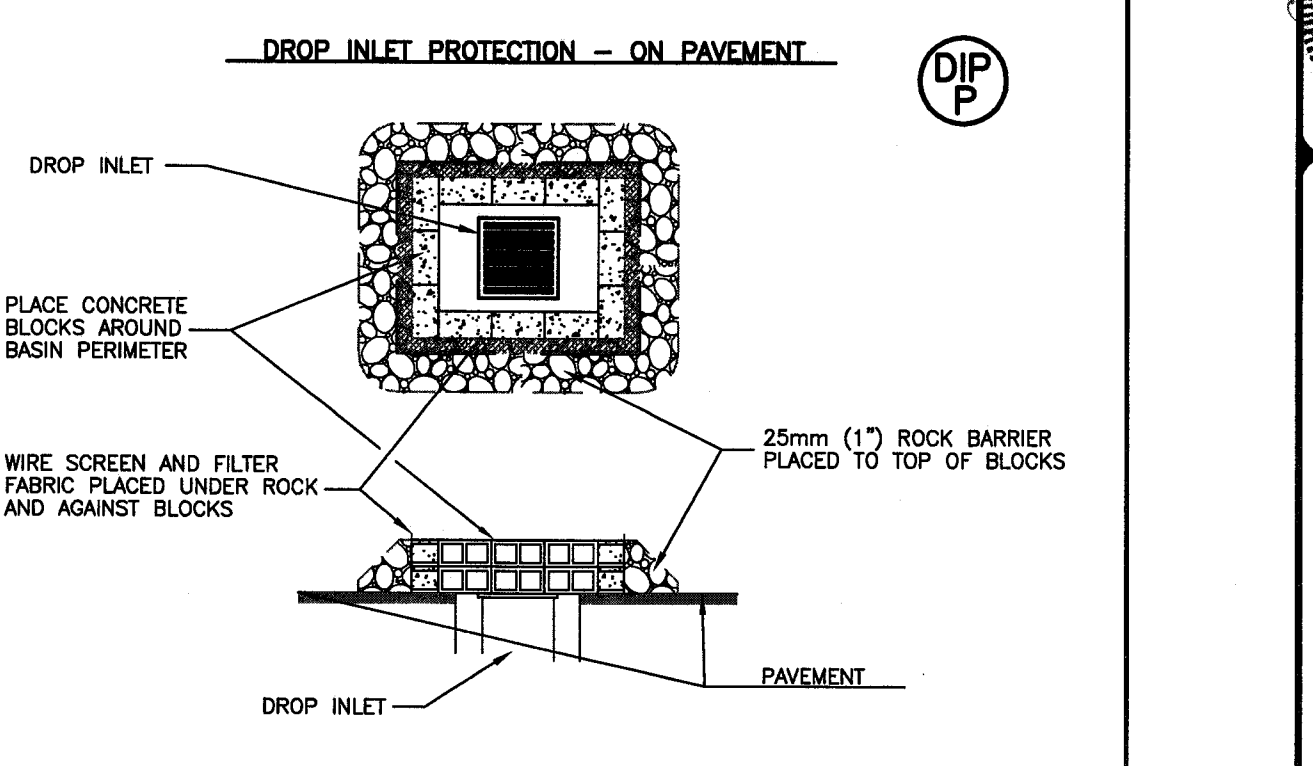
- FOR ADDITIONAL DETAILS SEE RAINWATER AND LAND DEVELOPMENT
- SPECIFICATIONS**
- SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
 - ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL 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' (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 SILT FENCE.
 - THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16" ABOVE THE ORIGINAL GROUND SURFACE.
 - 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 INSURE 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 SECTIONS 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 TOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES 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, OR
 - OTHER PRACTICES SHALL BE INSTALLED.
- CRITERIA FOR SILT FENCE MATERIALS**
- FENCE POSTS - THE LENGTH SHALL BE A MINIMUM OF 32" LONG. WOOD POSTS WILL BE 2-BY-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 PSI MINIMUM	ASTM D 3786
SLURRY FLOW RATE	0.3 GAL./MIN./SQ. FT. MAXIMUM	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MINIMUM	ASTM-G-26

DROP INLET PROTECTION:

DIP-O DROP INLET PROTECTION FOR UNPAVED AREAS AND PAVED AREAS PRIOR TO THE ACTUAL PAVEMENT INSTALLATION.

DIP-P DROP INLET PROTECTION FOR PAVED AREAS AND TO REPLACE DIP-O WHEN THE PAVEMENT HAS BEEN INSTALLED.



- DROP INLET INSTALLATION SPECIFICATIONS**
- DROP INLET PROTECTION TO BE INSTALLED ON PAVEMENT OR ON GROUND WHERE SILT FENCE PROTECTION IS NOT APPROPRIATE.
- CONCRETE BLOCKS TO BE PLACED AROUND PERIMETER OF BASIN WITH OPENINGS HORIZONTAL. BLOCKS TO BE PLACED WITHOUT SPACES BETWEEN BLOCKS.
- WIRE MESH AND FILTER FABRIC TO BE PLACED ON PAVEMENT OR GROUND, EXTENDING 6"+/- UNDER ROCK, AND UP AGAINST FACE OF CONCRETE BLOCKS.
- 25mm (1"+/-) ROCK TO BE PLACED AROUND THE CONCRETE BLOCK BARRIER, OVER THE WIRE MESH AND FILTER FABRIC. ROCK MUST BE PLACED TO THE TOP OF THE BLOCKS AND EXTEND OUTWARD A MINIMUM OF TWO TIMES THE HEIGHT OF THE BLOCKS.
- THE INLET PROTECTION MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL THE ENTIRE CONTRIBUTING AREA HAS BEEN STABILIZED.

REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT

COOPER & ASSOCIATES, LLP
ENGINEERS AND SURVEYORS
BRYAN J. ASHMAN JEROLD E. GEIB
PHONE (330) 452-9731
FAX No. (330) 452-9110

MIDWEST HEALTH SERVICES
LOCATED IN THE CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: **WEAVER COMMERCIAL CONTRACTOR**

EROSION CONTROL PLAN

DRAWN BY: **RAF**
CHECKED BY: **BJA**
DATE: **AUG 15, 2013**

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PROJ.# **13190**