

**CASE FARMS, LLC
MILLENNIUM DRIVE - NEOCOM PARK**

PART OF O.L. 569 IN THE CITY OF MASSILLON,
STARK COUNTY, OHIO

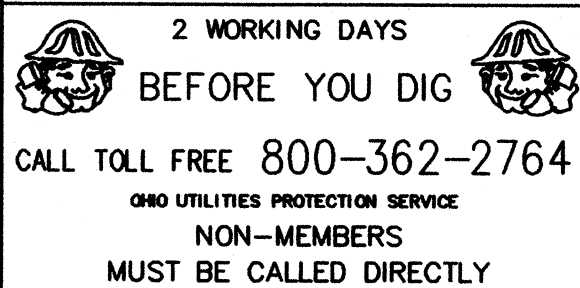
LEGEND

- | | | | |
|-----------|-----------------------|-----|------------------------|
| — 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 LABELED) |
| — UT — | UNDERGROUND TELEPHONE | ⌋ | MAIL BOX |
| — OT — | OVERHEAD TELEPHONE | ⌋ | GUARD POST |
| — X — X — | FENCE | ⌋ | CLEAN OUT |
| ⊗ | GAS LINE MARKER | DS | DOWN SPOUT |
| ⊗ | TELEPHONE LINE MARKER | EOP | EDGE OF PAVEMENT |
| ⊗ | POWER POLE | FF | FINISH FLOOR ELEVATION |
| ⊗ | TELEPHONE POLE | FP | FLAG POLE |
| ⊗ | TELEPHONE, LIGHT POLE | RD | ROOF DRAIN |
| ⊗ | TELEPHONE, POWER POLE | | |
| ⊗ | GENERAL POLE | | |
| ⊗ | LIGHT POLE | | |
| ⊗ | TYPE 5 GUARDRAIL | | |

INDEX OF SHEETS

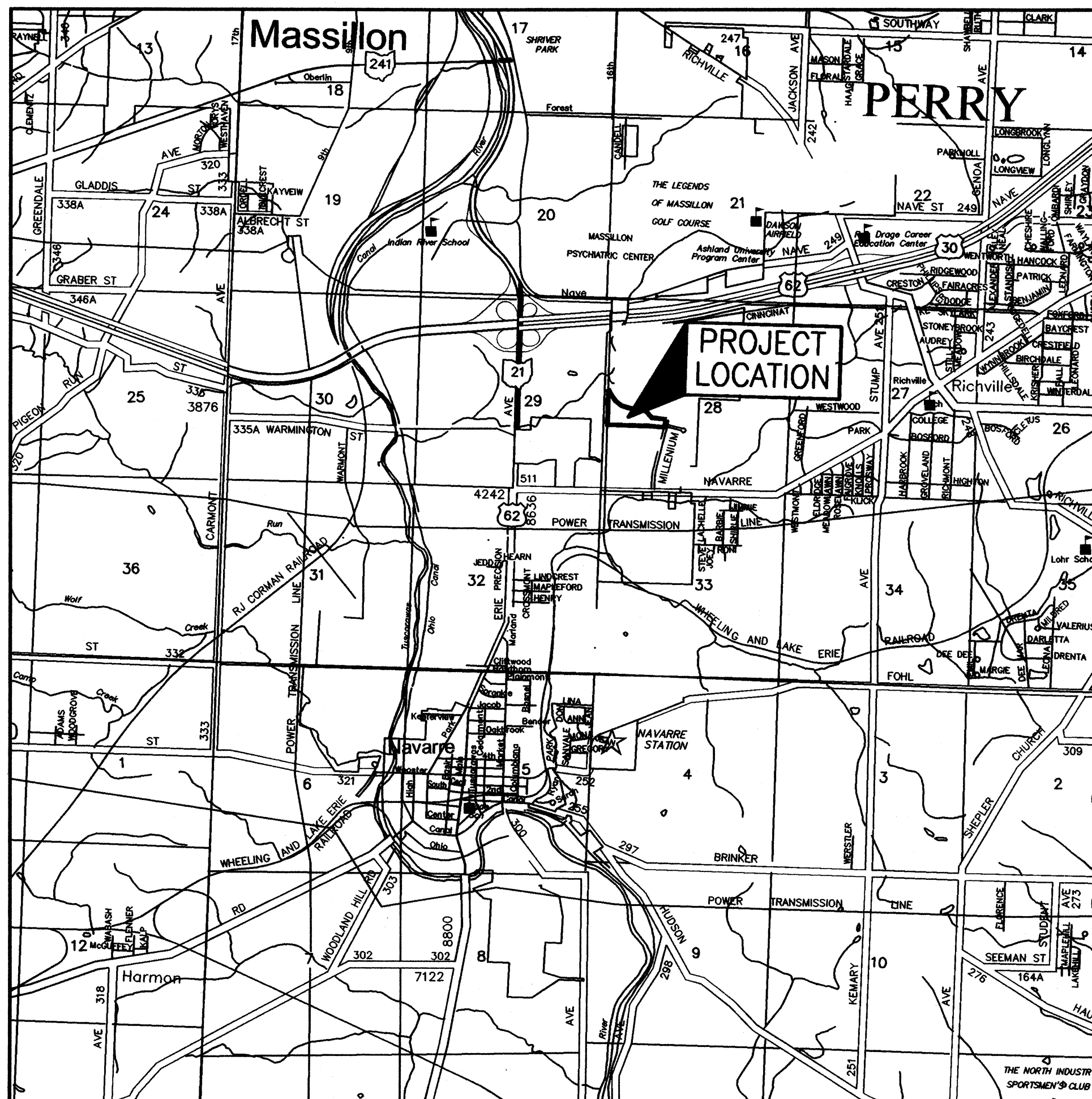
1. COVER SHEET
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- 3B. SITE PLAN (TO BE SUPPLIED BY PORT-LAND SYSTEMS)
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- 3D. SITE PLAN (TO BE SUPPLIED BY PORT-LAND SYSTEMS)
- 3E. SITE LIGHTING PLAN (TO BE SUPPLIED BY PORT-LAND SYSTEMS)
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- 4A. CONCRETE PAVEMENT DETAILS
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13. RAIL SPUR PLAN & PROFILE
14. RAIL SPUR PLAN & PROFILE
15. RAIL SPUR TYPICAL SECTIONS

UNDERGROUND UTILITIES

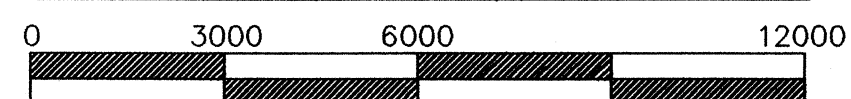


BENCHMARK: (B.M. #1)
TOP OF N.E. BOLT ON BASE OF LIGHT POLE ON
W. SIDE OF MILLENIUM BLVD., STA. 28+92.92,
24.9' LT.

ELEV. = 1018.12



VICINITY MAP



SCALE: 1" = 3000'

ENGINEER/SURVEYOR

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

ISSUED

MAY 01 2008

HAMMONTREE & ASSOC., LTD

DEVELOPER

PORT-LAND SYSTEMS, INC.
305 MT. LEBANON BLVD.
SUITE 400
PITTSBURGH, PENNSYLVANIA 15234
CONTACT: JAMES SCHUSTER
PHONE: (412) 344-1408

OWNER

CASE FARMS, LLC
P.O. BOX 185
1818 COUNTY RD. 160
WINESBURG, OHIO 44690
PHONE: (330) 359-7141

GENERAL NOTES

1. PRIOR TO THE COMMENCEMENT OF ANY PROJECT, A PRE-CONSTRUCTION MEETING WILL BE HELD WITH THE CITY OF MASSILLON ENGINEER & THE STARK COUNTY SOIL & WATER CONSERVATION DISTRICT. AT THIS TIME, THE PROJECT WILL BE DISCUSSED IN REGARD TO PROCEDURE, MATERIALS, INSPECTION, ETC....
2. REFER TO SOILS REPORT FOR ALL SITE REQUIREMENTS ON COMPACTION, FILLING, FOUNDATION AND PAVEMENT SECTION REQUIREMENTS.
3. 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).
4. 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).
5. ALL TRENCHES BENEATH THE PAVEMENT SHALL BE COMPACTED IN LIFTS AND WITH MATERIAL SPECIFIED BY THE CITY OF MASSILLON ENGINEERING DEPARTMENT OR ANY APPLICABLE O.D.O.T. SPECIFICATIONS.
6. 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.
7. REFER TO FOUNDATION PLANS FOR DIMENSIONS OF BUILDING.
8. 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, OR 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.
9. 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.
10. 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 OR SEE CHAPTER 917 OF THE CITY OF MASSILLON CODIFIED ORDINANCES FOR STANDARDS, PERMIT AND INSPECTION REQUIREMENTS.

APPROVALS

APPROVED BY THE MASSILLON CITY ENGINEER THIS 7th
DAY OF MARCH, 2008.

KEITH A. DYLEWSKI, PE

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

OHIO EPA STORM WATER GENERAL PERMIT NUMBER: 3GC03687*AG

APPROVED BY STARK SOIL AND WATER CONSERVATION DISTRICT
BY LETTER DATED 2/29/08

APPROVED BY WHEELING & LAKE ERIE RAILWAY COMPANY

PLANS REVIEWED AND ACCEPTED BY PORT-LAND SYSTEM, INC.

BARBARA HAMMONTREE BENNETT P.E. #E-56001 3/3/08 DATE



HAMMONTREE & ASSOCIATES, LTD.
ENGINEERS, PLANNERS, SURVEYORS

CANTON PITTSBURGH AKRON

5233 STONEHAM ROAD., NORTH CANTON, OHIO 44720
PHONE: CANTON:(330)/499-8817 AKRON:(330)/633-7274
TOLL FREE: 1-800-394-8817 FAX: (330)/499-0149
www.hammontree-engineers.com

[illegible]

SCALES:
N.T.S.

COVER SHEET

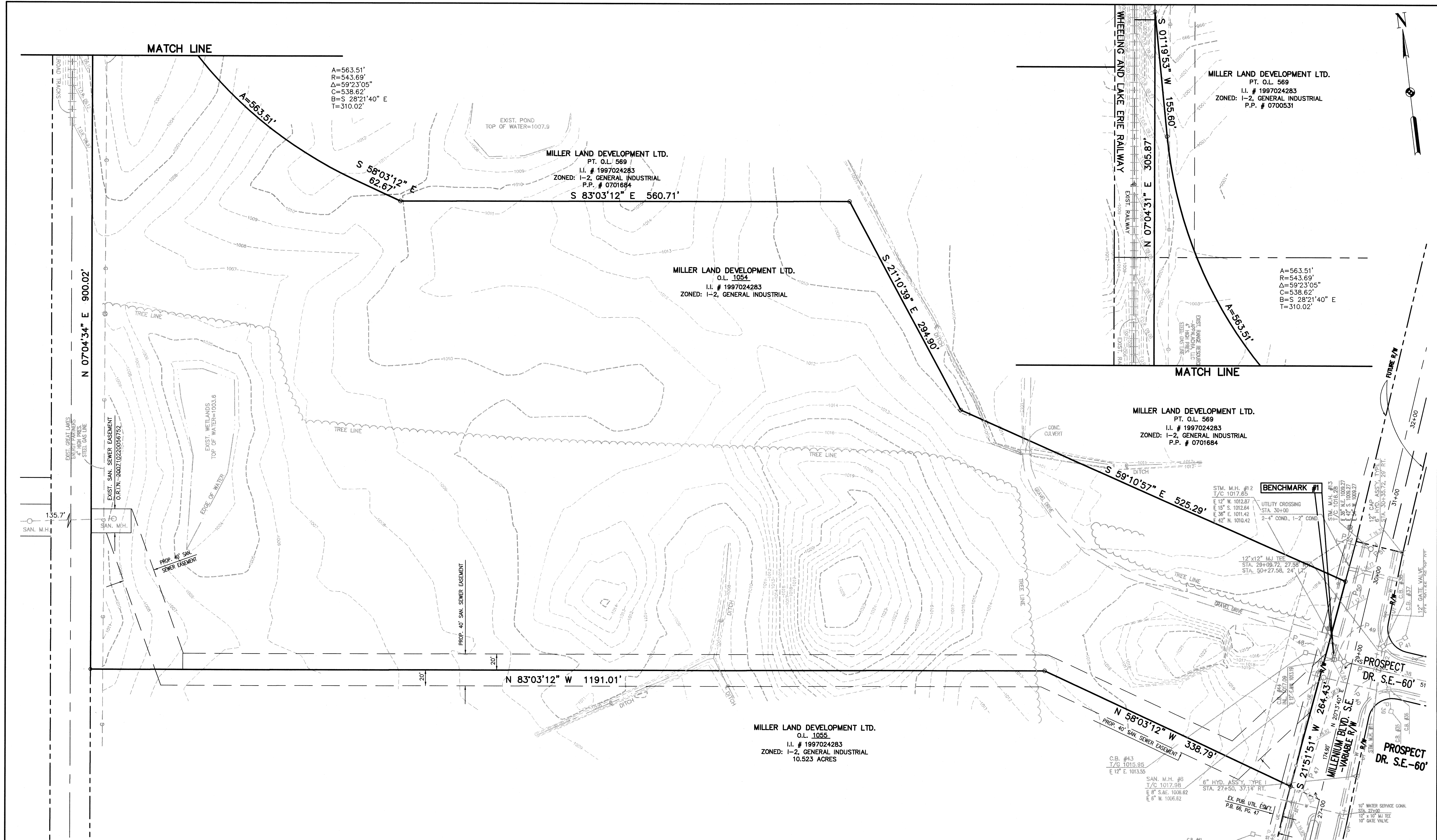
CASE FARMS, LLC

FOR: PORT-LAND SYSTEMS, INC.

PART OF O.L. 569 IN THE CITY OF MASSILLON, STARK COUNTY, OHIO

$$\frac{1}{15}$$

PORT-LAND-MILLENIUUM



DATA USED

TAX MAP - PERRY 28 & MASSILLON 115 & 125
PLAT - N.E.O. COM. PARK - PHASE 1, P.B. 62, PG. 94
NEOCOM I INDUSTRIAL PARK NO. 1, P.B. 66, PG. 47
NEOCOM I INDUSTRIAL PARK NO. 2, O.R.I.NO. 200212230104958
ANNEXATION PLAT - NAVE-ERIE AREA ANNEXATION
BY R.F. WAGONER, 2/83
DEEDS - VOL. 3431, PG. 721
VOL. 3597, PG. 658
O.R. VOL. 827, PG. 801
I.I. # 97024283

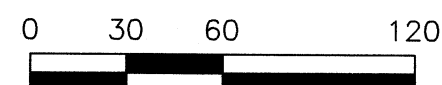
BASIS OF BEARINGS

N 83°03'12" W - THE CENTERLINE OF NAVARRE ROAD FROM
THE PLAT OF N.E.O. COM. PARK - PHASE 1 AS RECORDED
IN PLAT BOOK 62, PAGE 94 OF THE STARK COUNTY PLAT
RECORDS. SCGRS POINTS USED AS REFERENCE STATIONS FOR
THIS LINE ARE PER138 & PER139. BEARING FOR THIS LINE
BASED ON GRID NORTH IS N 88°10'29" W.

THE S.C.G.R.S. POINTS USED AS REFERENCE STATIONS TO ESTABLISH
THE DATUM ARE DESIGNATED AS PER138 (NOT SHOWN) AND PER139 (NOT SHOWN).
ALL DIMENSIONS SHOWN ARE GROUND DISTANCES. TO OBTAIN A GRID DISTANCE.
MULTIPLY GROUND DISTANCE BY THE PROJECT COMBINED FACTOR (PCF)
OF 0.999906545.

NOTES

○ DENOTES 1/2" IRON BAR W/H&A CAP SET.



EXISTING TOPOGRAPHIC MAP

CASE FARMS, LLC

FOR: PORT-LAND SYSTEMS, INC.
PART OF O.L. 569 IN THE CITY OF
MASSILLON, STARK COUNTY, OHIO

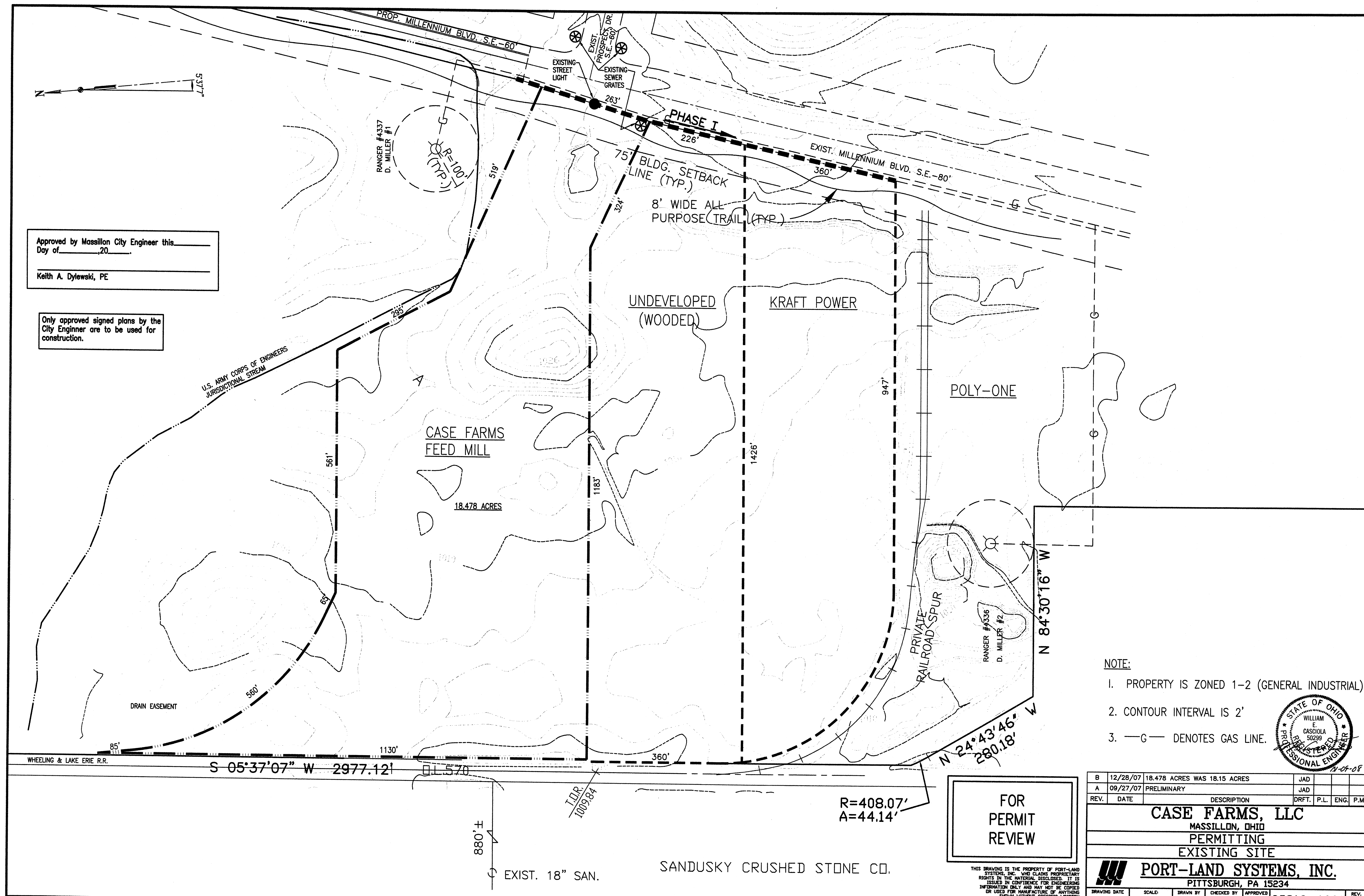
SCALES:
HORIZ: 1"=60'
CONTOUR INT.=1'

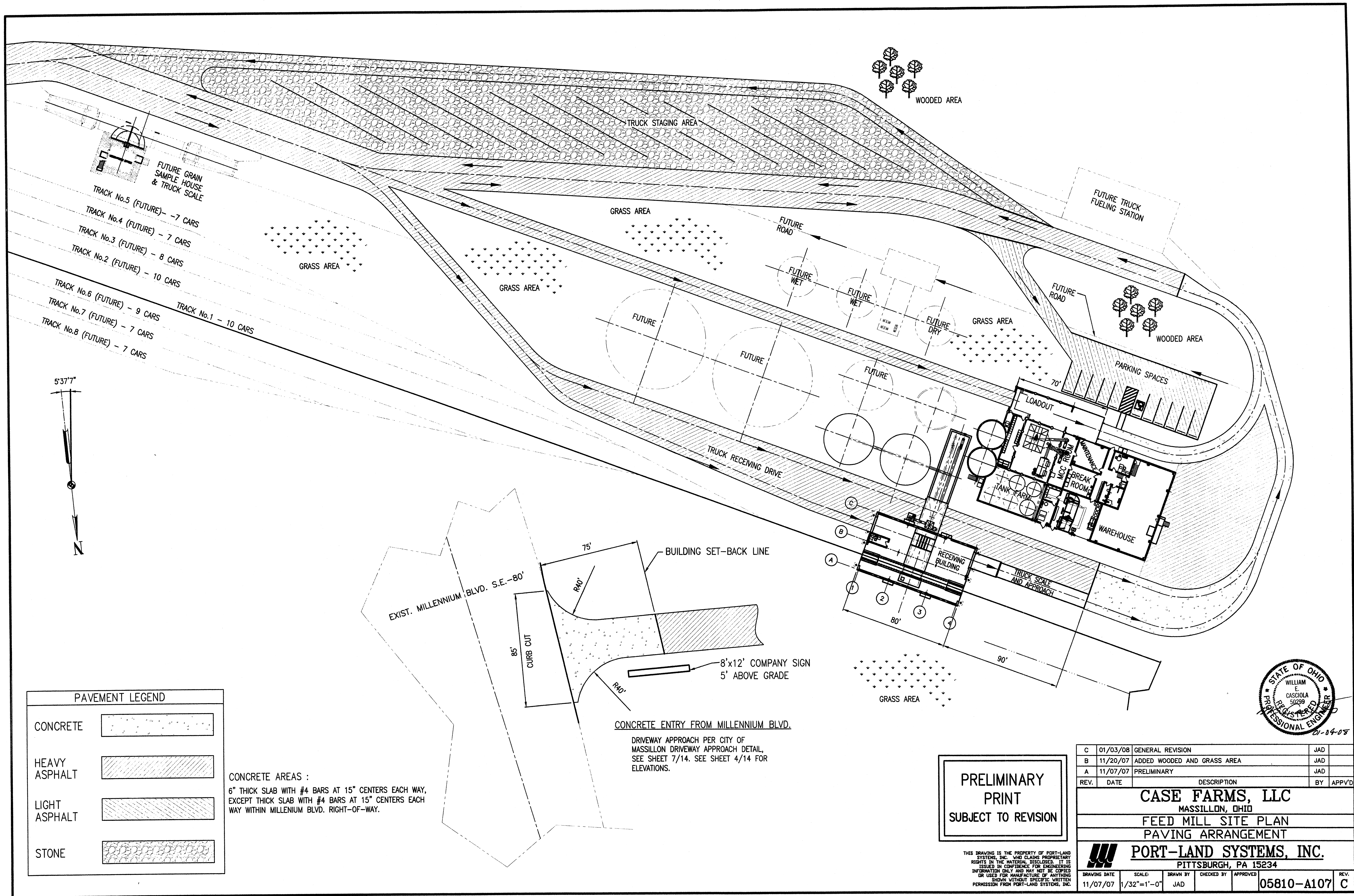
DESIGN. BY: DTM CHKD. BY: BHB
DRAWN. BY: DTM RWD. BY: BHB
F.B. 531 PAGE. 52
COPYRIGHT: 2007 DATE: 11/21/07
LAYOUT: EXIST TOPO

REV. BY: DATE: DESC.:
REV. BY: DATE: DESC.:
REV. BY: DATE: DESC.:
REV. BY: DATE: 2/13/08 DESC.: PER CITY OF MASSILLON ENG. COMMENTS DATED 2/13/08.
REV. BY: DATE: 12/27/07 DESC.: PER CITY OF MASSILLON ENG. COMMENTS DATED 12/27/07
REV. BY: DATE: 12/27/07 DESC.: PER CITY OF MASSILLON ENG. COMMENTS DATED 12/27/07

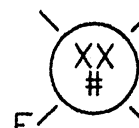
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COPYRIGHT: 2007 DATE: 11/21/07
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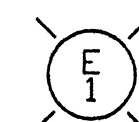
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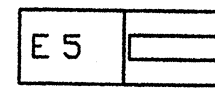




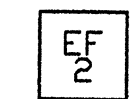
SYMBOL LEGEND

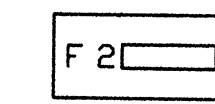
 LIGHT AS DESCRIBED BELOW, BUT ATTACHED TO THE 'E5' EMERGENCY LIGHTING SYSTEM USING APPROPRIATE FIXTURE XX#.

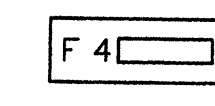
 SELF-LUMINOUS EXIT SIGN (NO POWER REQUIRED) CLASS(2), GROUP(G), DIV.(1 & 2)

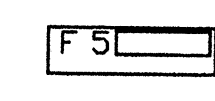
 EMERGENCY LIGHTING SYSTEM / NEMA-1 INPUT 277 VAC / OUTPUT 277 VAC


 EXHAUST FAN / NEMA-1 CEILING MOUNT / 120 VAC

 EXHAUST FAN / NEMA-1 WALL MOUNT / 120 VAC

 FIXTURE - FLUORESCENT / NEMA-1 - (4)-T8 LAMPS 2' X 4' TROFFER / 277 VAC - 160 WATT

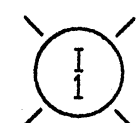
 FIXTURE - FLUORESCENT / NEMA-1 - (3)-T8 LAMPS 1'-6' X 4' CHAIN SUSPENDED / 277 VAC - 120 WATT

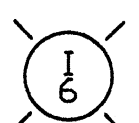
 FIXTURE - FLUORESCENT / NEMA-1 - (2)-T8 LAMPS 1' X 4' CHAIN SUSPENDED / 277 VAC - 80 WATT


 FIXTURE - FLUORESCENT / CLASS(2), GROUP(G), DIV.(1 & 2) COMPACT WALL MOUNT / 277 VAC - 26 WATT


 ELECTRIC HEATER / NEMA-1


 GAS HEATER / NEMA-1

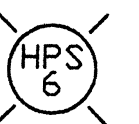
 FIXTURE - FAA L-864/ NEMA-3R AIRCRAFT WARNING LIGHT / 120 VAC - 116 WATT

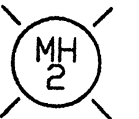
 FIXTURE - INCANDESCENT / NEMA-1 WALL MOUNT / 120 VAC - 100 WATT


 FIXTURE - HIGH PRESSURE SODIUM / NEMA-3R TRUNNION MOUNT FLOOD / 277/240/208/120 VAC - 400 WATT


 FIXTURE - HIGH PRESSURE SODIUM / NEMA-3R TRUNNION MOUNT / 277/240/208/120 VAC - 150 WATT


 FIXTURE - HIGH PRESSURE SODIUM / NEMA-3R WALL MOUNT / 277/240/208/120 VAC - 150 WATT

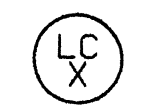
 FIXTURE - HIGH PRESSURE SODIUM / NEMA-3R STANCHION MOUNT / 277/240/208/120 VAC - 150 WATT


 FIXTURE - METAL HALIDE / CLASS(2), GROUP(G), DIV.(1 & 2) PENDANT MOUNT / 277/240/208/120 VAC - 175 WATT


 FIXTURE - METAL HALIDE / CLASS(2), GROUP(G), DIV.(1 & 2) WALL MOUNT / 277/240/208/120 VAC - 175 WATT


 FIXTURE - METAL HALIDE / CLASS(2), GROUP(G), DIV.(1 & 2) STANCHION MOUNT / 277/240/208/120 VAC - 175 WATT


 PHOTOCELL / WET LOCATION 120/277 VAC, (X DENOTES PHOTOCELL #)


 LIGHTING CONTACTOR / NEMA-1 277 VAC, (X DENOTES CONTACTOR #)


 RECEPTACLE / NEMA-1 SINGLE OUTLET WITH PLUG / 480 VAC / 3-PHASE


 RECEPTACLE / NEMA-1 SINGLE OUTLET WITH PLUG / 208 VAC / 1-PHASE


 RECEPTACLE / CLASS (2), GROUP (G), DIV. (1 & 2) SINGLE OUTLET / 120 VAC / 20A / 1-PHASE


 RECEPTACLE / WET LOCATION, GFCI DUAL OUTLET / 120 VAC / 20A / 1-PHASE


 RECEPTACLE / NEMA-1 DUAL OUTLET / 120 VAC / 20A / 1-PHASE


 RECEPTACLE / NEMA-1, GFCI DUAL OUTLET / 120 VAC / 20A / 1-PHASE


 RECEPTACLE / WET LOCATION DUAL OUTLET / 120 VAC / 20A / 1-PHASE

 SINGLE POLE SWITCH / NEMA-1 277/208/120 VAC, 1-PHASE


 TWO POLE SWITCH / NEMA-1 277/208/120 VAC, 1-PHASE


 THREE-WAY SWITCH / NEMA-1 277/208/120 VAC, 1-PHASE

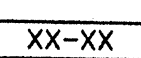
 FOUR-WAY SWITCH / NEMA-1 277/208/120 VAC, 1-PHASE

 SINGLE POLE SWITCH / NEMA-3R 277/208/120 VAC, 1-PHASE

 TELEPHONE/MODEM

 NETWORK CONNECTION

 WELDING RECEPTACLE / CLASS(2), GROUP(G), DIV.(1 & 2) STINGER & GROUND - (FROM MAINTENANCE SHOP)

 CIRCUIT DESIGNATION

 HVAC/AIR HANDLER

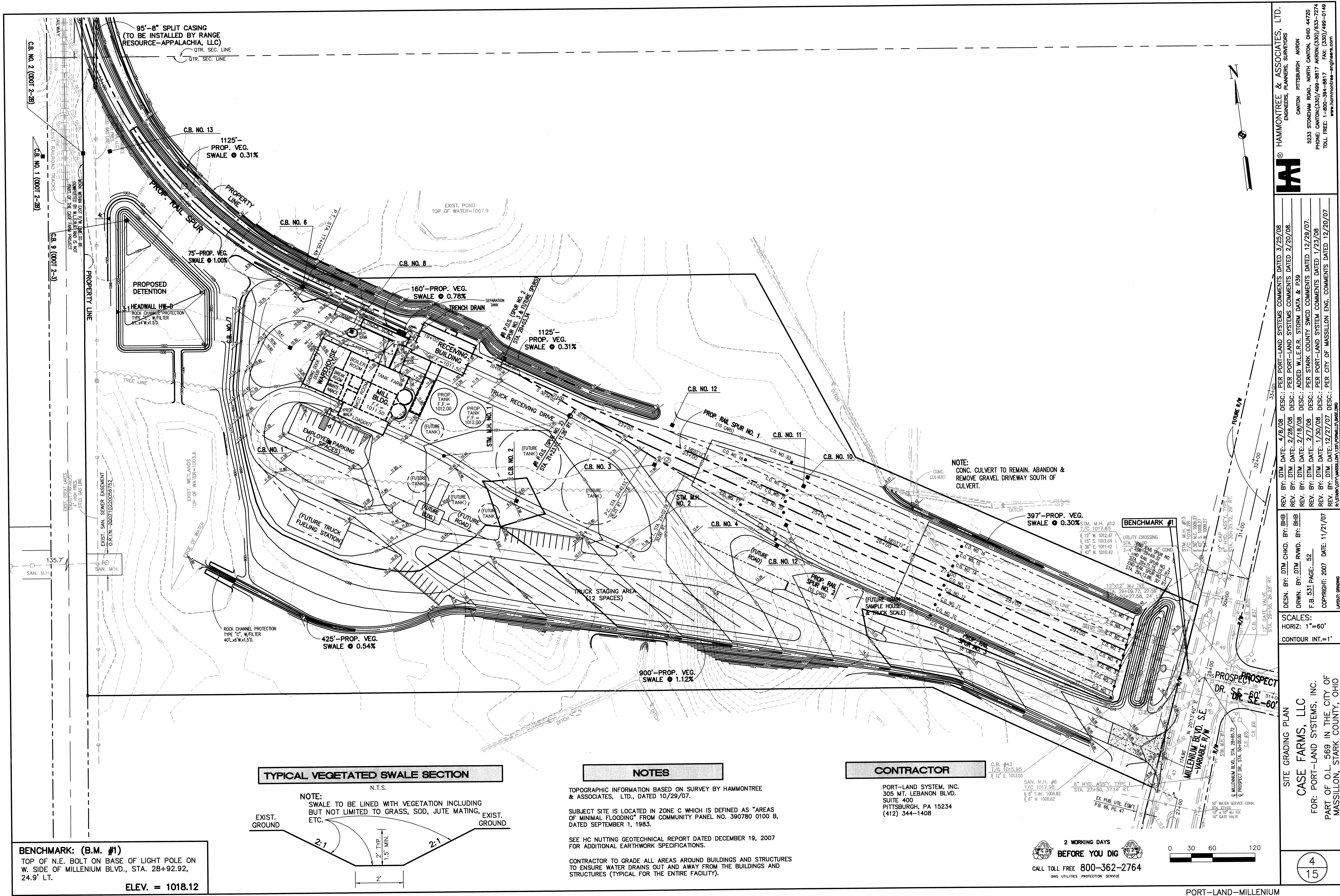
 HVAC/CONDENSER UNIT

PRELIMINARY
PRINT
SUBJECT TO REVISION

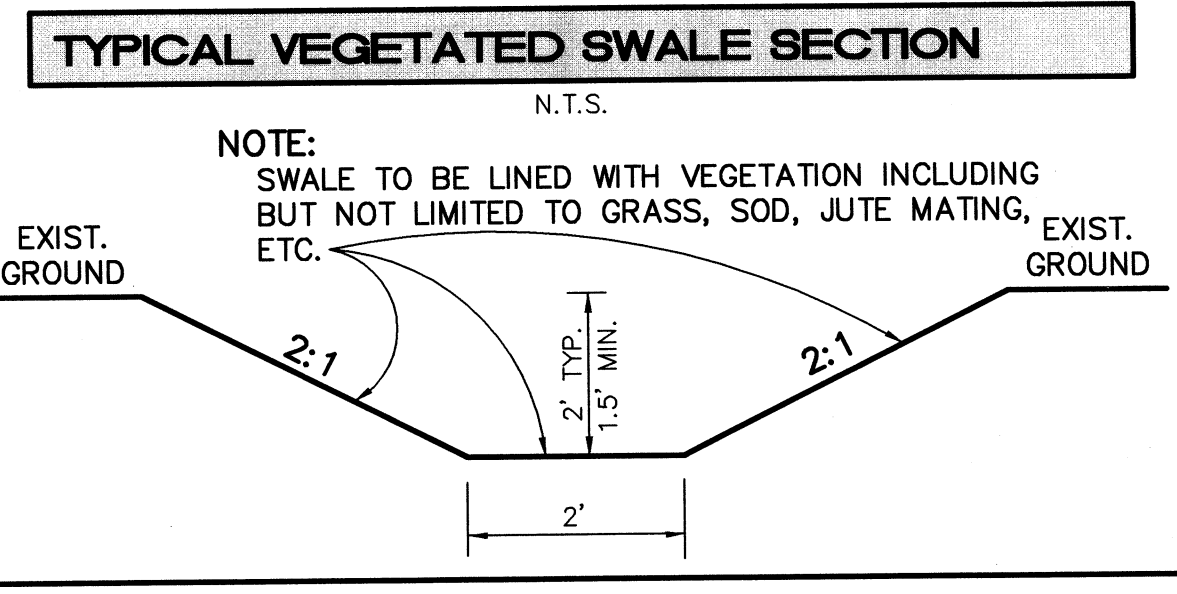
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FROM PORT-LAND SYSTEMS, INC.

STATE OF OHIO
CHRISTOPHER
THOMAS
BURKE
71200
REGISTERED
PROFESSIONAL ENGINEER
01-04-08

| | | | | |
|---|----------|-------------|------------|----------|
| A | 12-11-07 | PRELIMINARY | JLB | |
| REV. | DATE | DESCRIPTION | BY | APPV'D |
| CASE FARMS, LLC. MASSILLON, OHIO | | | | |
| ELECTRICAL FIXTURES SYMBOL LEGEND | | | | |
| PORT-LAND SYSTEMS, INC. PITTSBURGH, PA 15234 | | | | |
| DRAWING DATE | SCALE | DRAWN BY | CHECKED BY | APPROVED |
| 10/03/07 | NONE | JLB | | |
| 05810-EL-01 | | | | REV. A |



BENCHMARK: (B.M. #1)
TOP OF N.E. BOLT ON BASE OF LIGHT POLE ON
W. SIDE OF MILLENNIUM BLVD., STA. 28+92.92,
24.9' LT.
ELEV. = 1018.12



NOTES

TOPOGRAPHIC INFORMATION BASED ON SURVEY BY HAMMONTREE
& ASSOCIATES, LTD., DATED 10/29/07.

SUBJECT SITE IS LOCATED IN ZONE C WHICH IS DEFINED AS "AREAS
OF MINIMAL FLOODING" FROM COMMUNITY PANEL NO. 390780 0100 B,
DATED SEPTEMBER 1, 1983.

SEE HC NUTTING GEOTECHNICAL REPORT DATED DECEMBER 19, 2007
FOR ADDITIONAL EARTHWORK SPECIFICATIONS.

CONTRACTOR TO GRADE ALL AREAS AROUND BUILDINGS AND STRUCTURES
TO ENSURE WATER DRAINS OUT AND AWAY FROM THE BUILDINGS AND
STRUCTURES (TYPICAL FOR THE ENTIRE FACILITY).

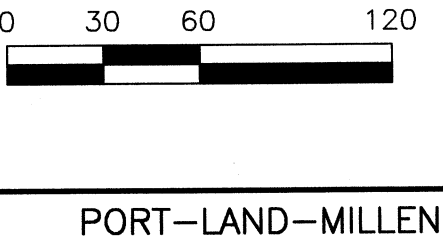
CONTRACTOR

PORT-LAND SYSTEM, INC.
305 MT. LEBANON BLVD.
SUITE 400
PITTSBURGH, PA 15234
(412) 344-1408

**2 WORKING DAYS
BEFORE YOU DIG**

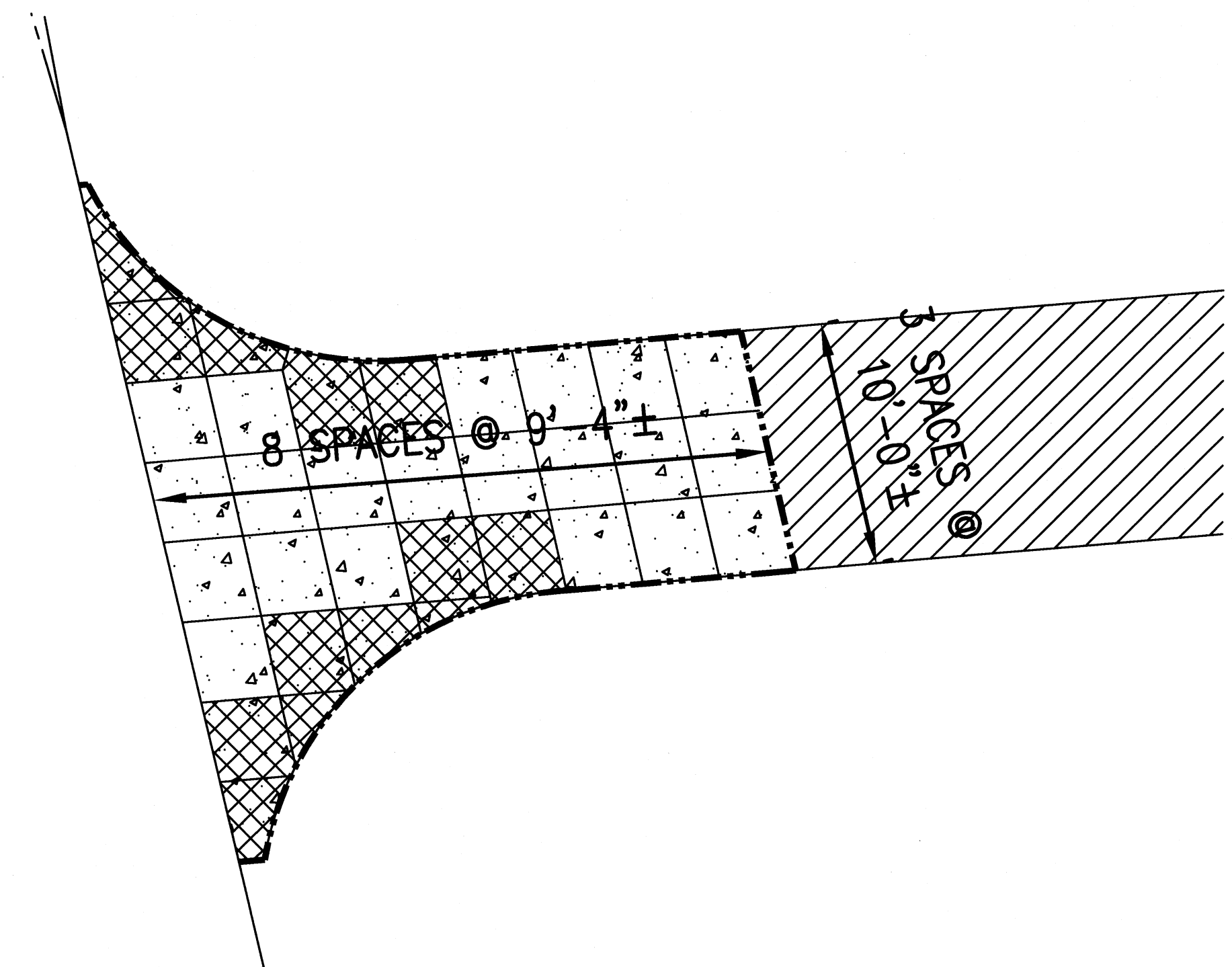
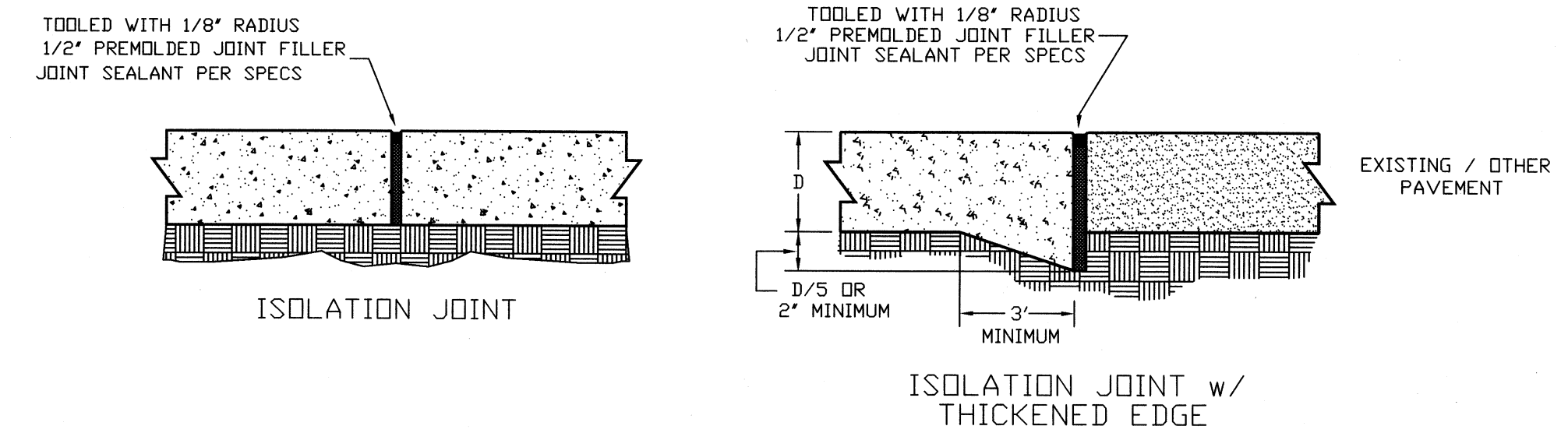
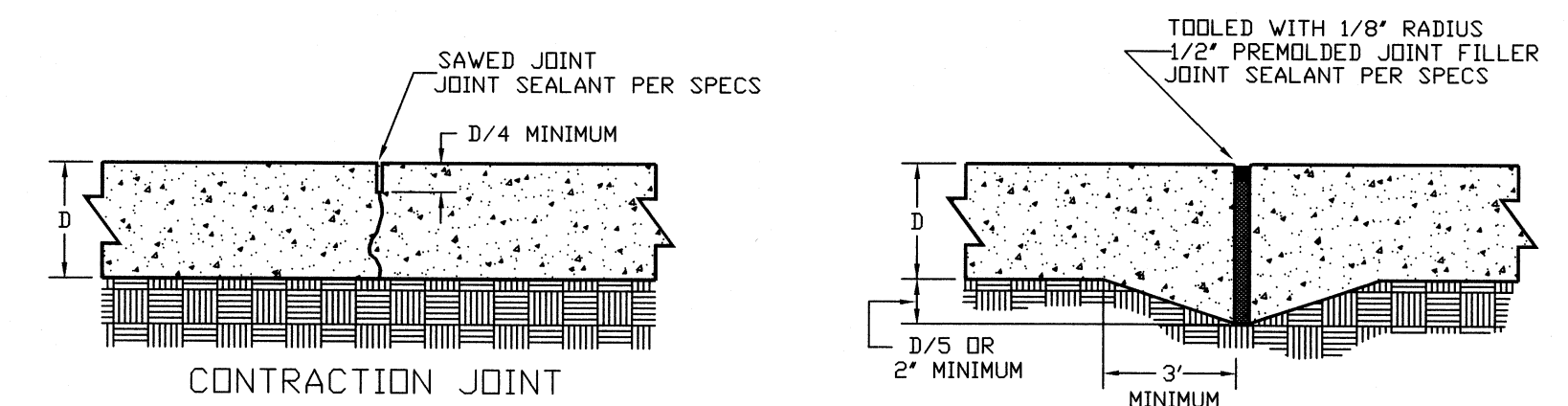
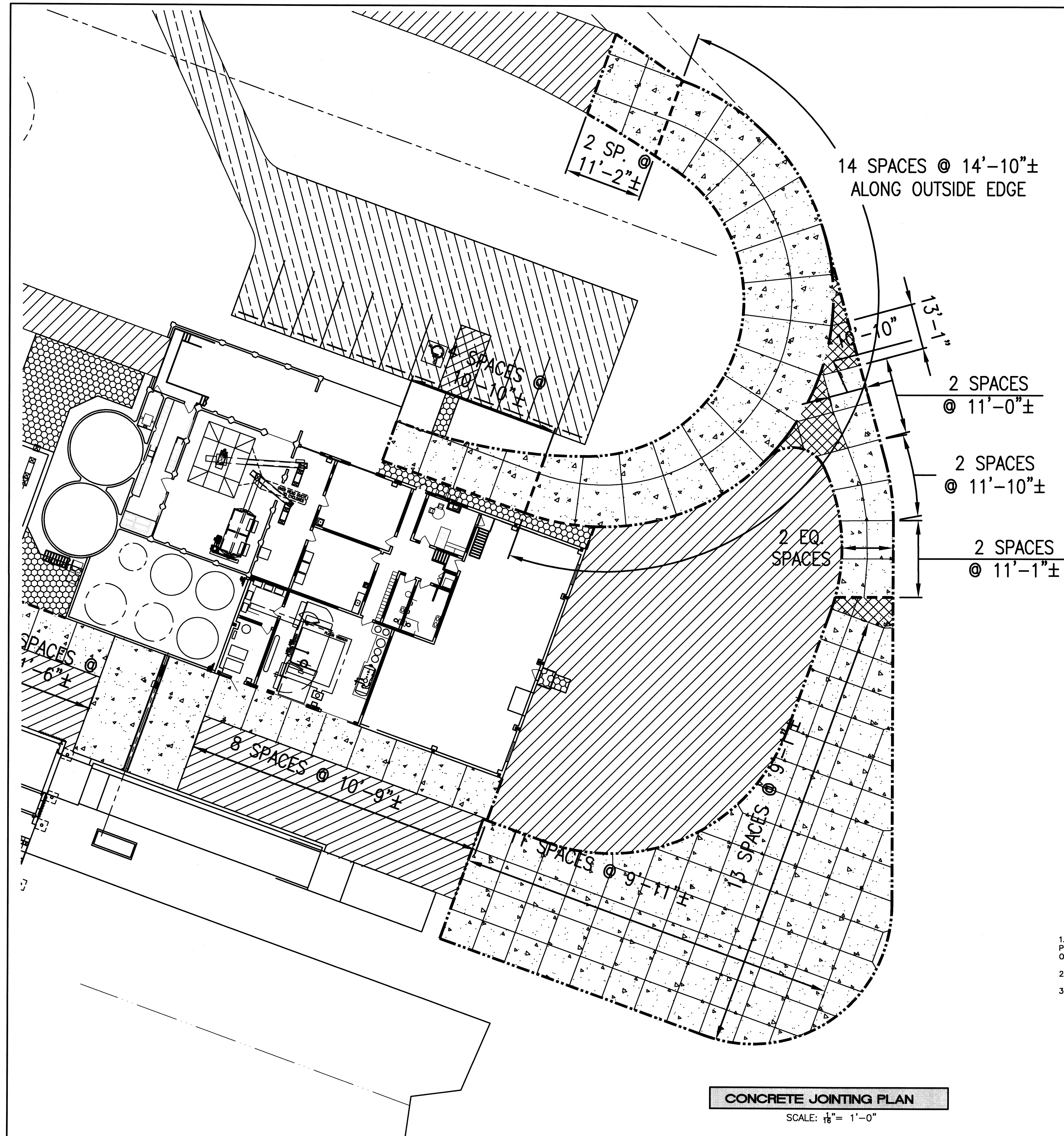
CALL TOLL FREE 800-362-2764

OHIO UTILITIES PROTECTION SERVICE



| | | | |
|---|--------------|----------------|--|
| REVISIONS | REV. BY: DTM | DATE: 4/28/08 | DESC.: PER PORT-LAND SYSTEMS COMMENTS DATED 3/25/08 |
| | REV. BY: DTM | DATE: 2/28/08 | DESC.: PER PORT-LAND SYSTEMS COMMENTS DATED 2/20/08. |
| | REV. BY: DTM | DATE: 2/18/08 | DESC.: ADD W.L.E.R. STORM DATA & P39 |
| | REV. BY: DTM | DATE: 2/7/08 | DESC.: PER STARK COUNTY SWCD COMMENTS DATED 12/29/07. |
| | REV. BY: DTM | DATE: 1/30/08 | DESC.: PER PORT-LAND SYSTEM COMMENTS DATED 1/23/08 |
| REVISIONS | REV. BY: DTM | DATE: 12/27/07 | DESC.: PER CITY OF MASSILLION ENG. COMMENTS DATED 12/20/07 |
| | REV. BY: DTM | DATE: 12/27/07 | DESC.: PER CITY OF MASSILLION ENG. COMMENTS DATED 12/20/07 |
| PROJECT INFORMATION | | | |
| SITE GRADING PLAN | | | |
| CASE FARMS, LLC | | | |
| FOR: PORT-LAND SYSTEMS, INC. | | | |
| PART OF O.L. 569 IN THE CITY OF MASSILLION, STARK COUNTY, OHIO | | | |
| 4 | | | |
| 15 | | | |





HAMMONTREE & ASSOCIATES, LTD.
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www.hammontree-engineers.com




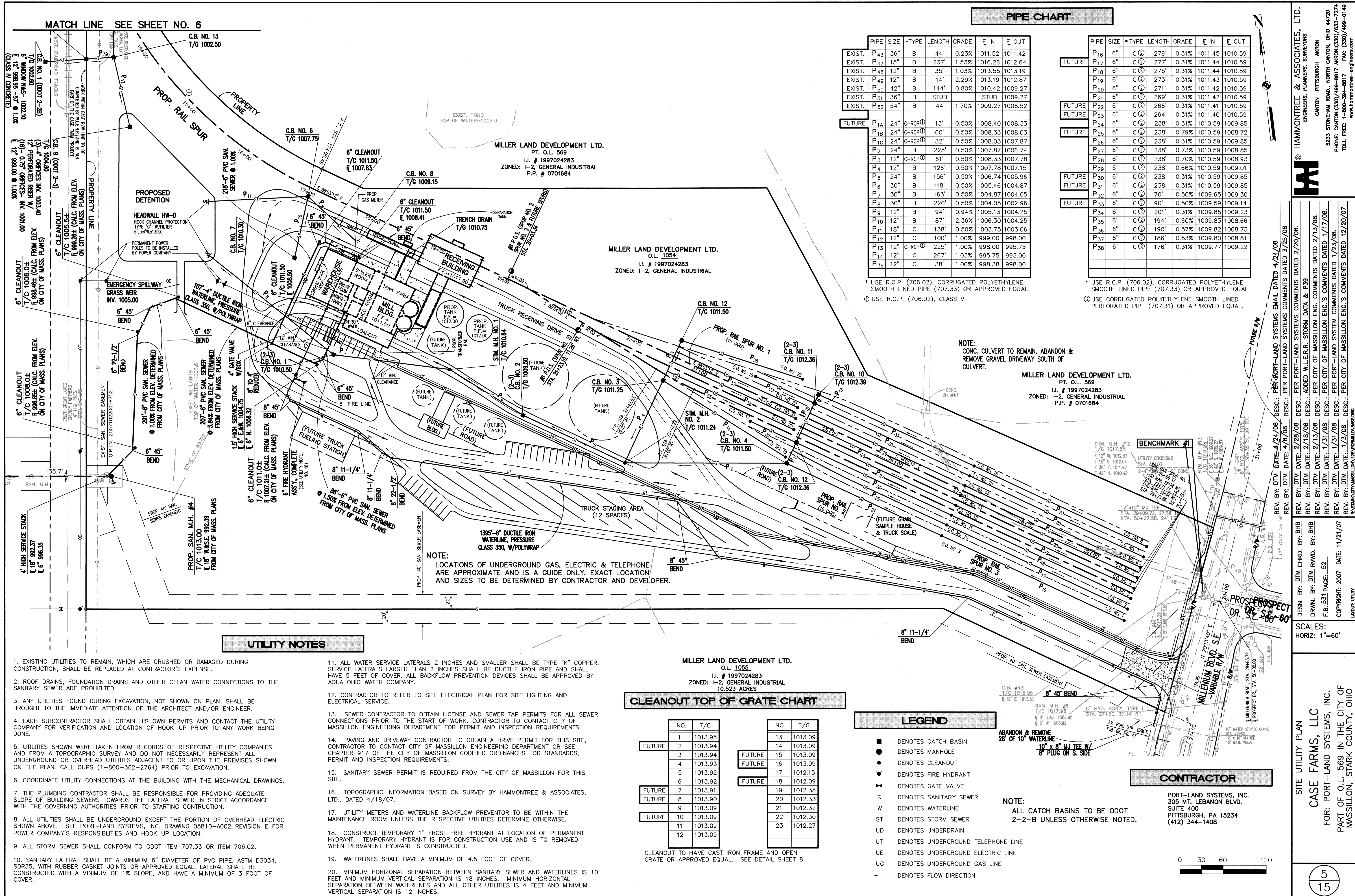
NOTES

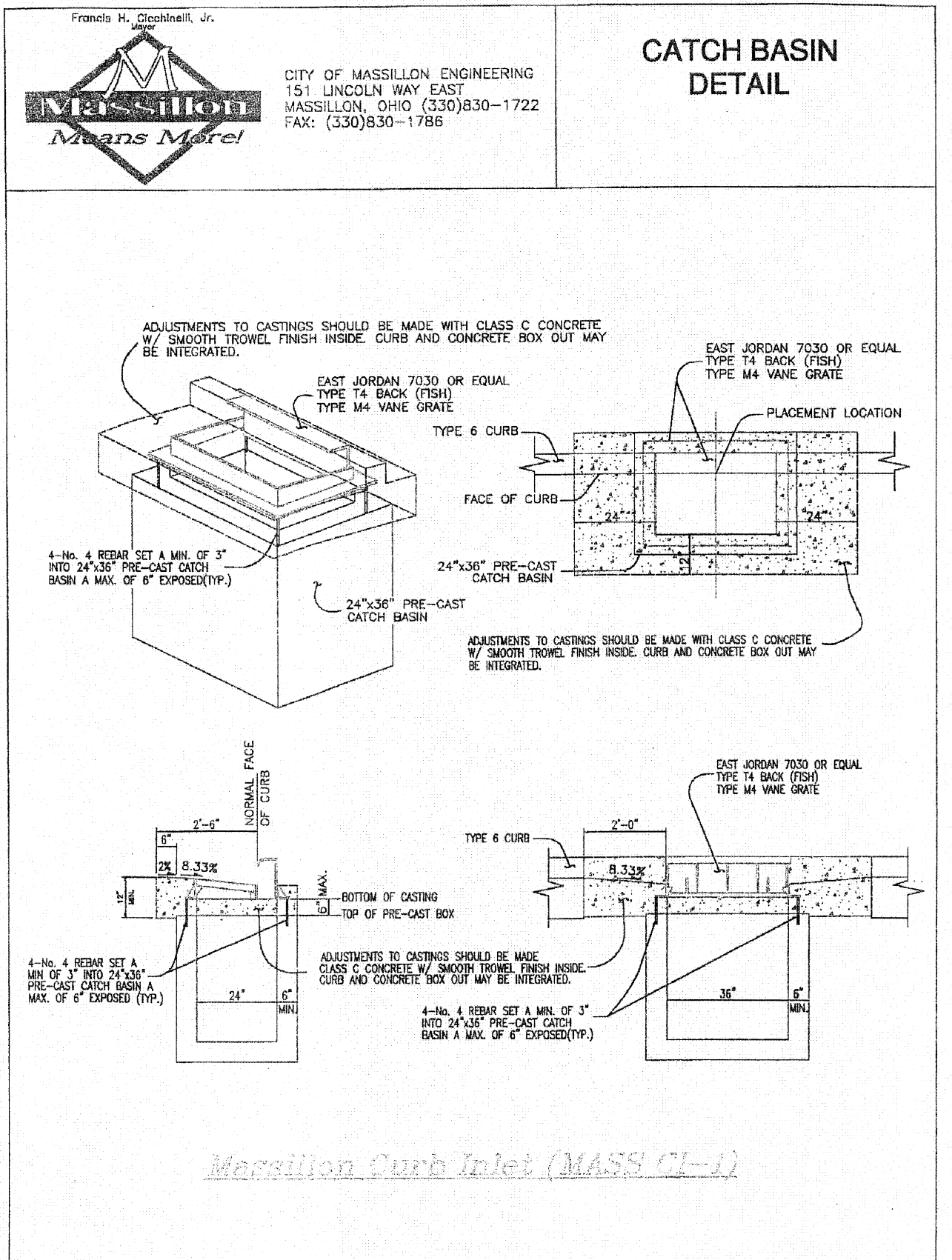
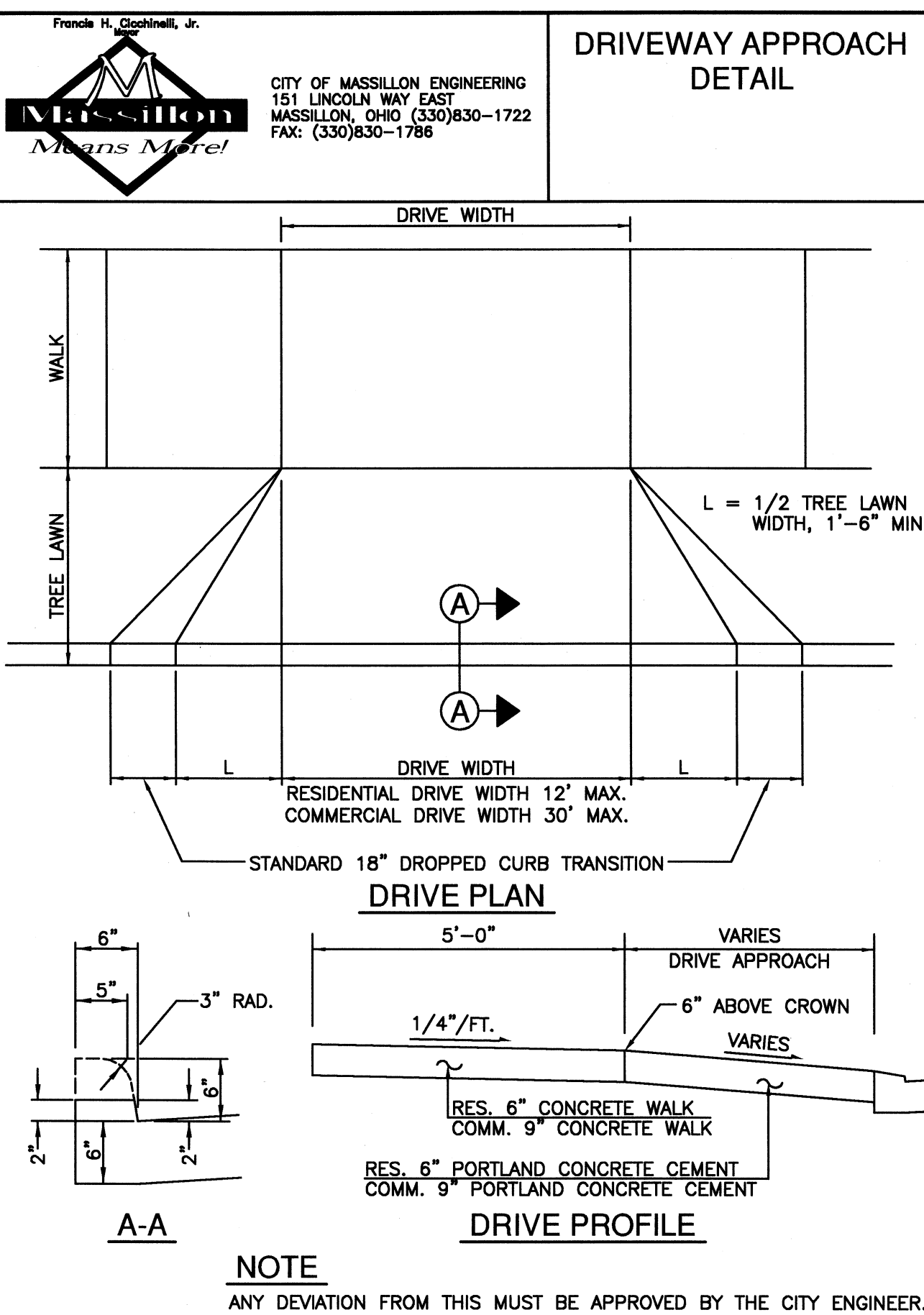
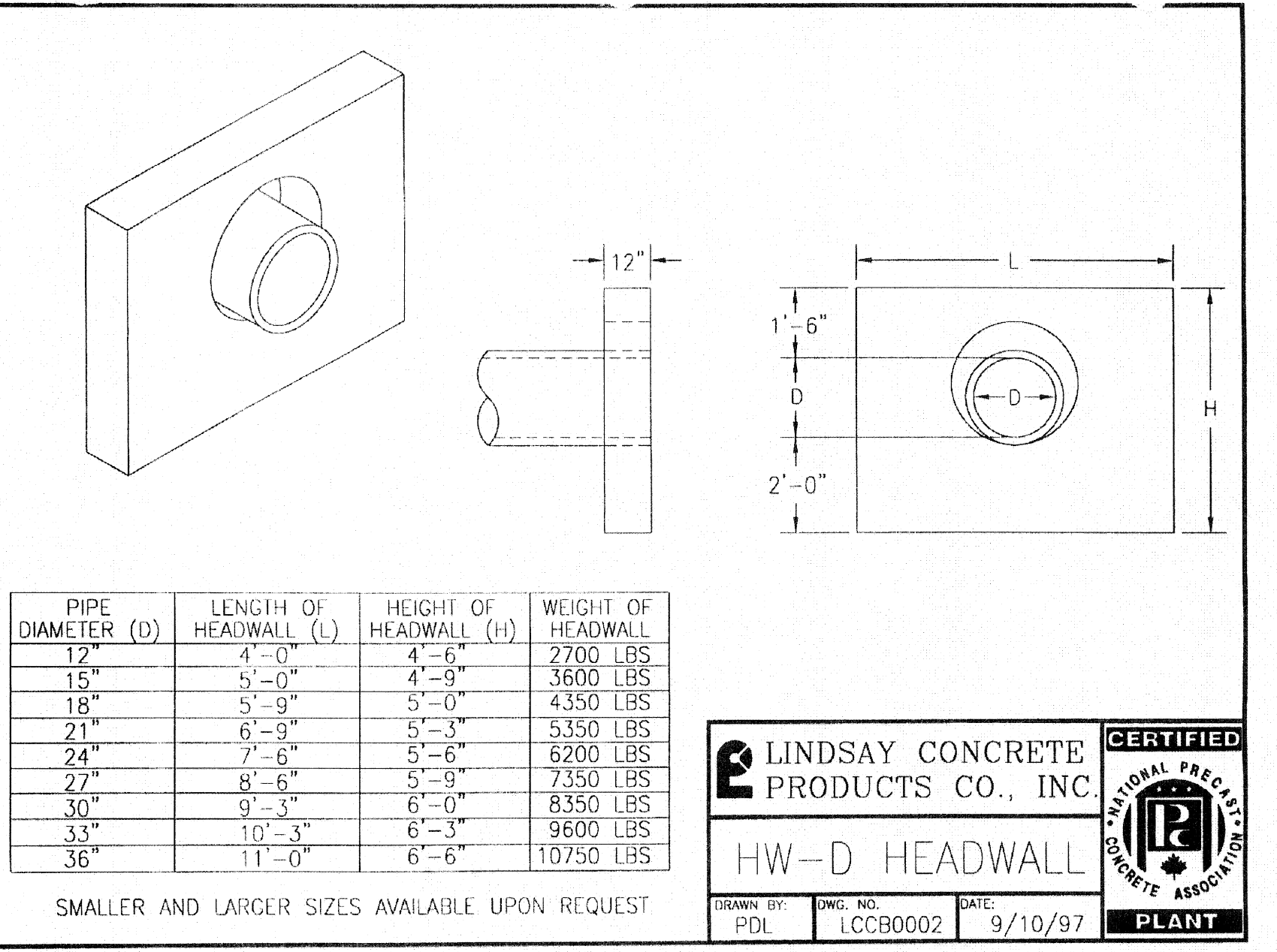
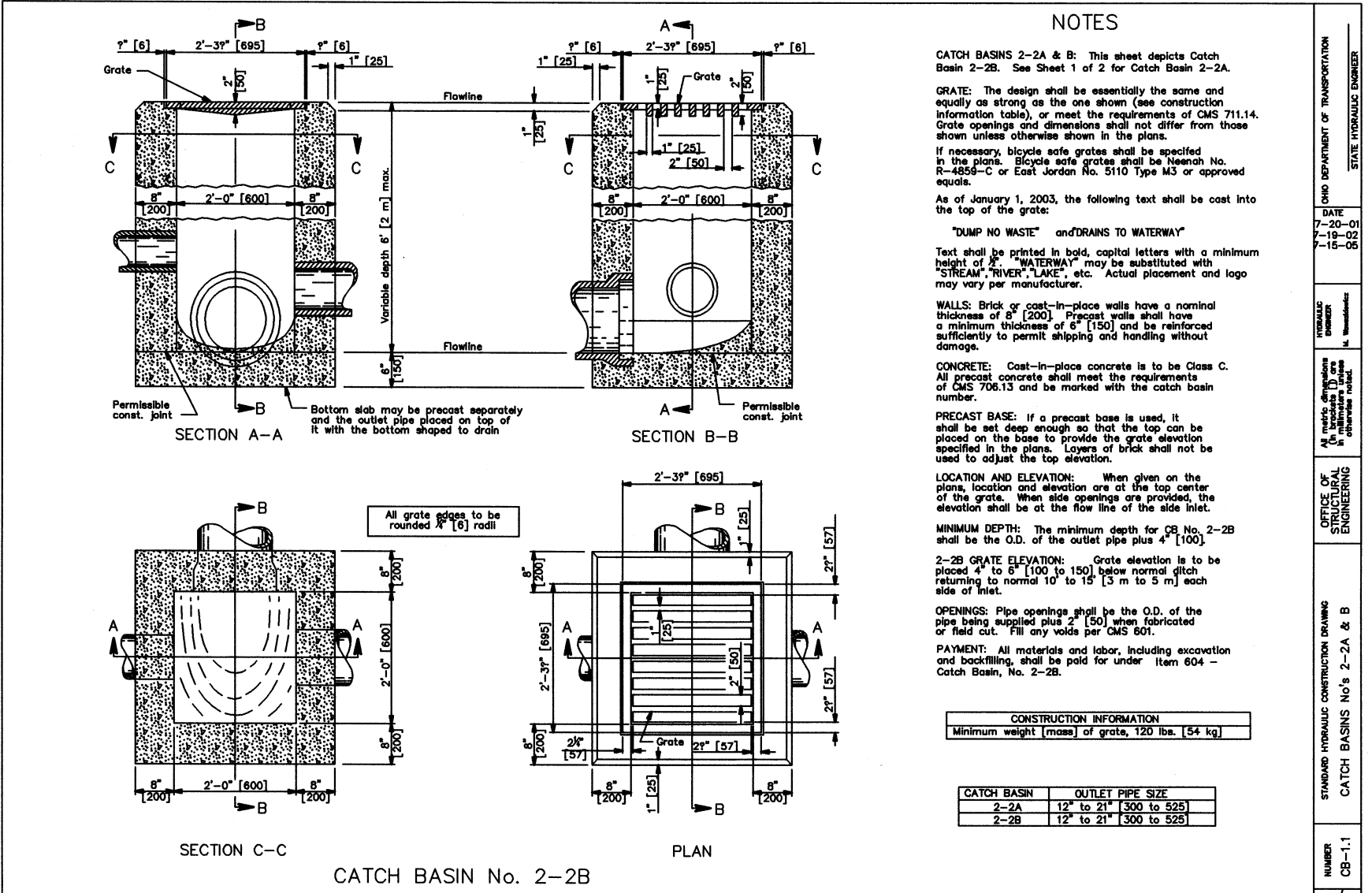
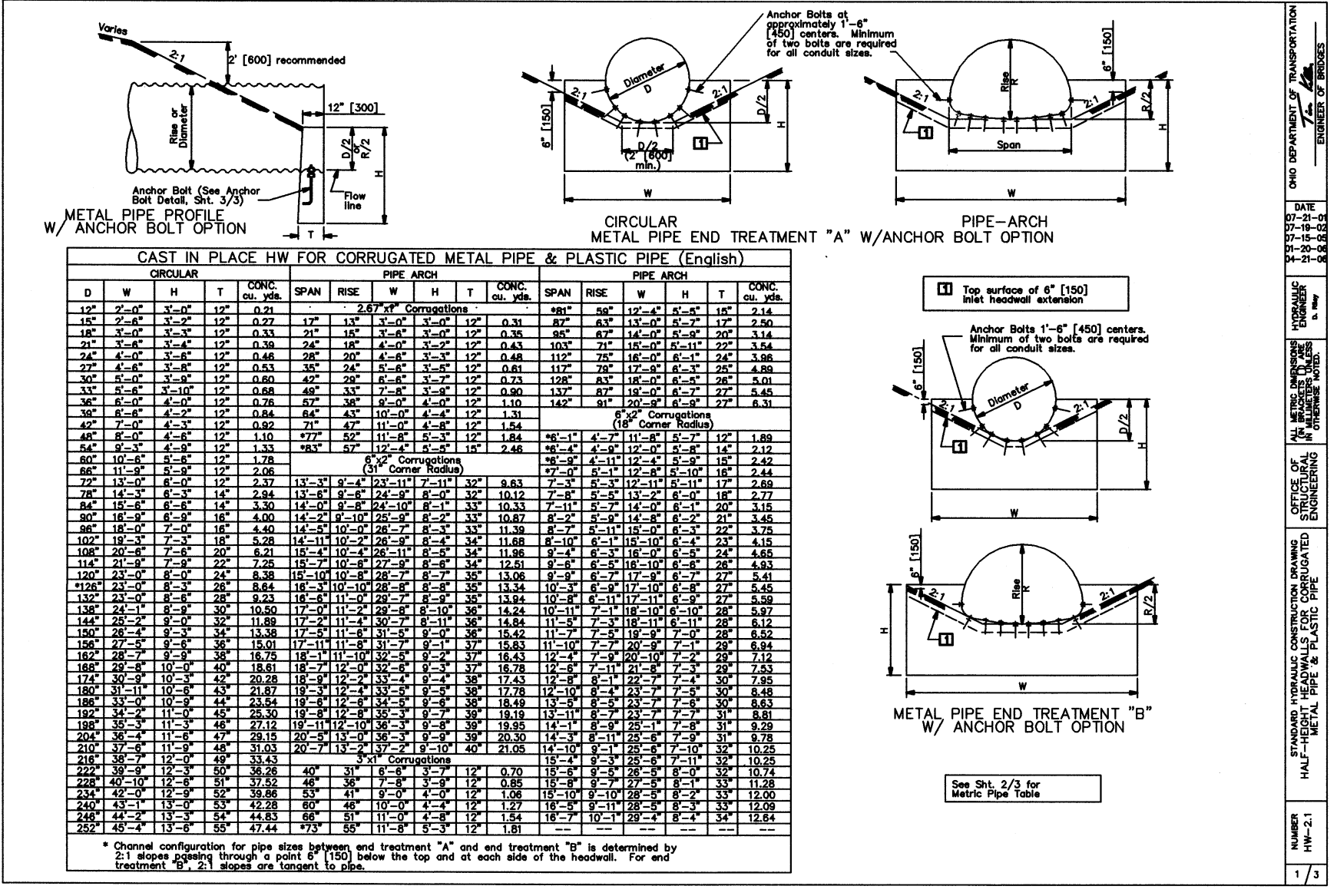
1. CONCRETE PAVEMENT JOINT RECOMMENDATIONS AND DETAILS
PREPARED BY OHIO READY MIXED CONCRETE ASSOCIATION
OF COLUMBUS, OHIO.
2. CONCRETE THICKNESS 'D'=8"
3. WELDED WIRE MESH SHALL BE 6"x6"x6" AT 4" THICKNESS.

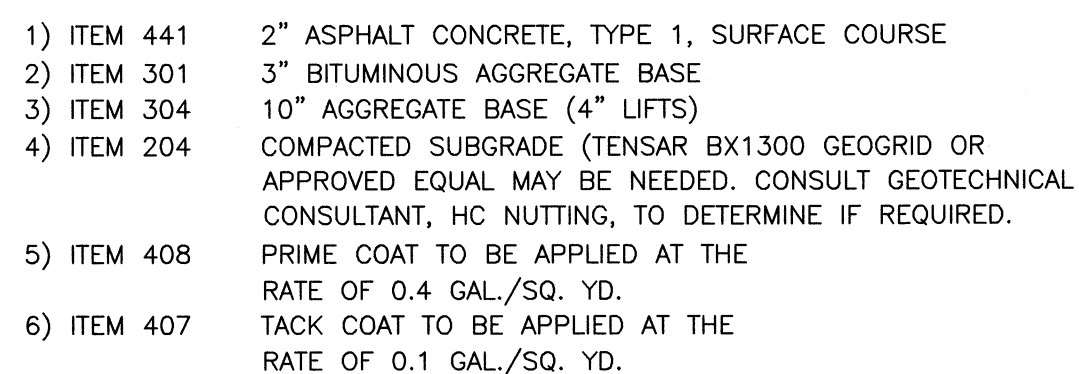
SYMBOL AND LINE KEY

-  =CONTRACTION JOINT
 =ISOLATION JOINT w/
 THICKENED EDGE
 =THICKENED EDGE
 =ISOLATION JOINT

 =WIRE MESH

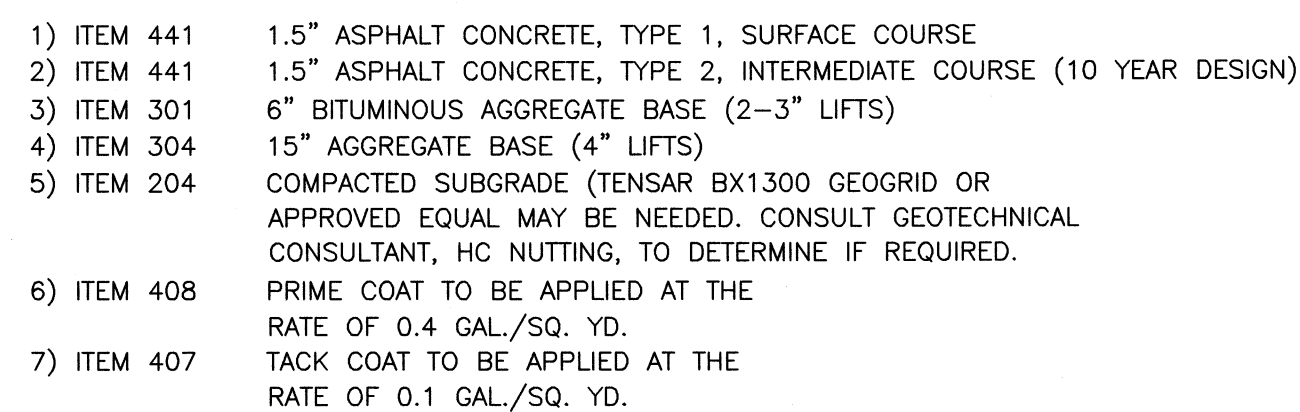






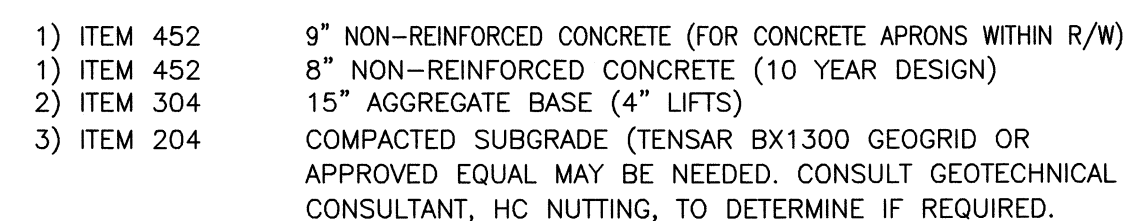
PAVEMENT SECTION FROM A GEOTECHNICAL REPORT
BY HC NUTTING DATED DECEMBER 19, 2007. SEE
REPORT FOR ADDITIONAL SPECIFICATIONS.

NTS



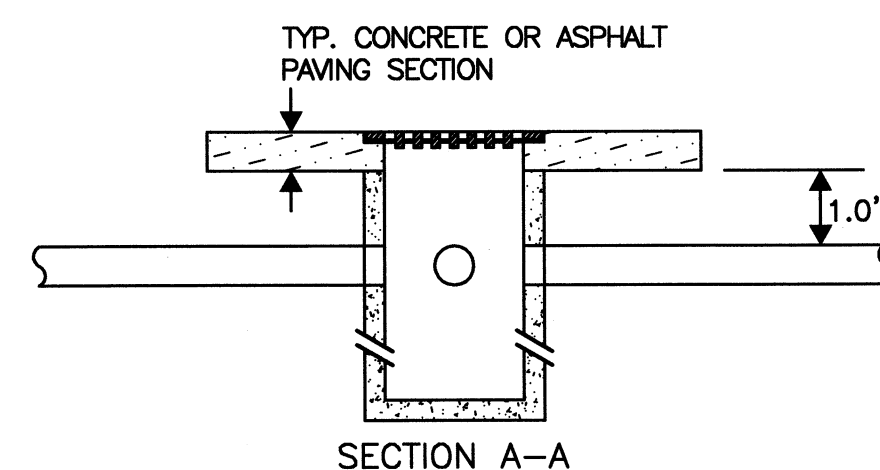
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REPORT FOR ADDITIONAL SPECIFICATIONS.

NT:

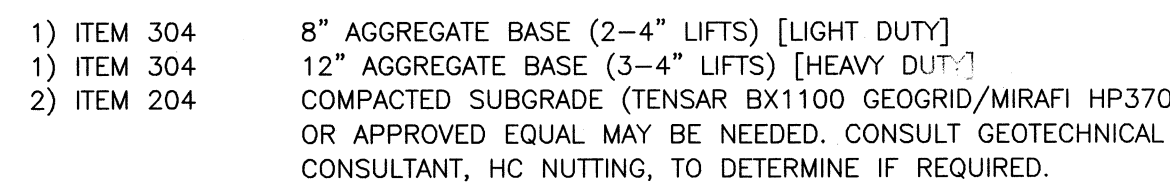


PAVEMENT SECTION FROM A GEOTECHNICAL REPORT
BY HC NUTTING DATED DECEMBER 19, 2007. SEE
REPORT FOR ADDITIONAL SPECIFICATIONS.

NT

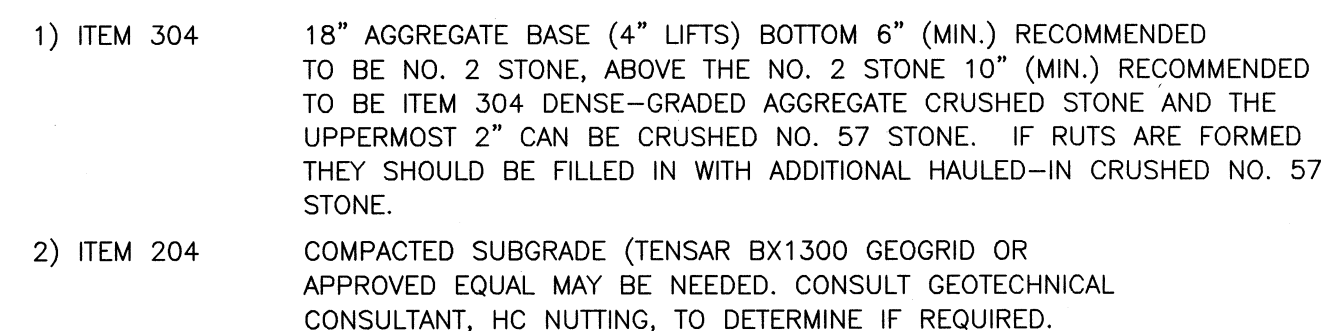


N.T.S.



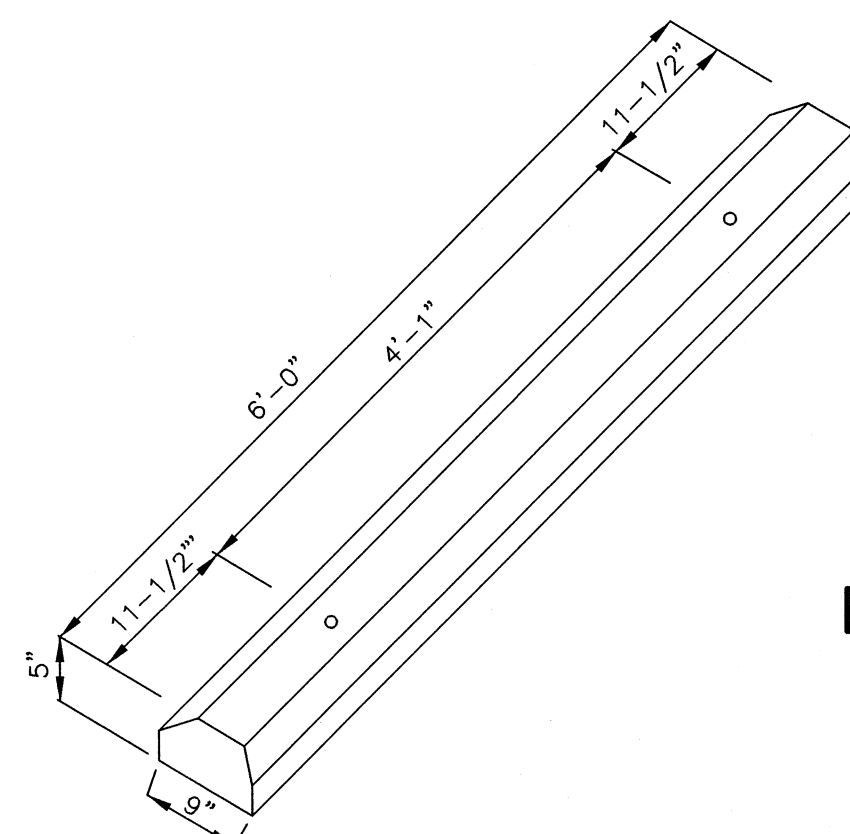
PAVEMENT SECTION FROM A GEOTECHNICAL REPORT
BY HC NUTTING DATED DECEMBER 19, 2007. SEE
REPORT FOR ADDITIONAL SPECIFICATIONS.

NTS



PAVEMENT SECTION FROM A GEOTECHNICAL REPORT
BY HC NUTTING DATED DECEMBER 19, 2007. SEE
REPORT FOR ADDITIONAL SPECIFICATIONS.

NTS



NOTE:

ANCHOR CURB WITH (2) 1'-6"
5/8" IRON REBAR

NTS



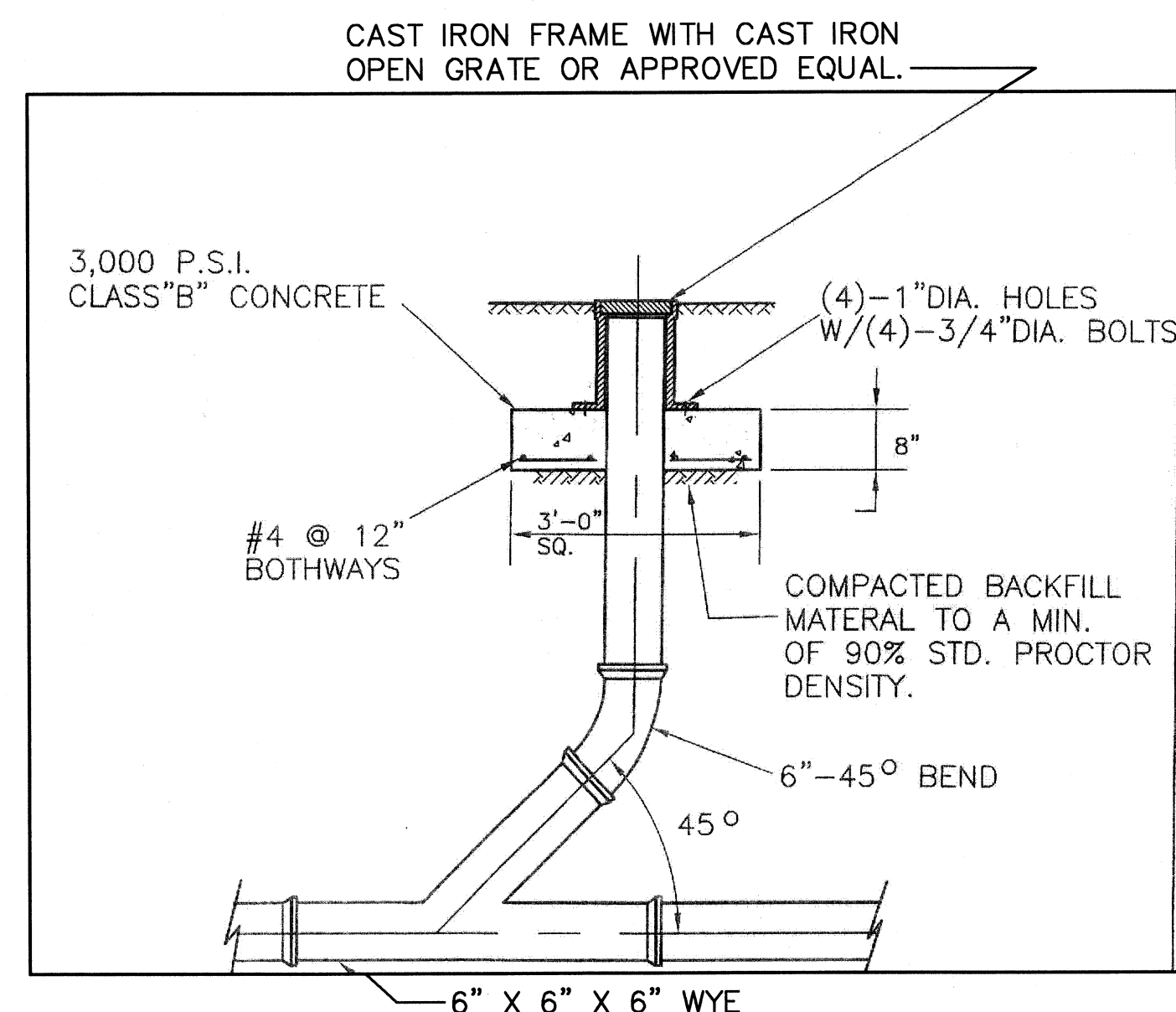
N.T.S.

NOTES:

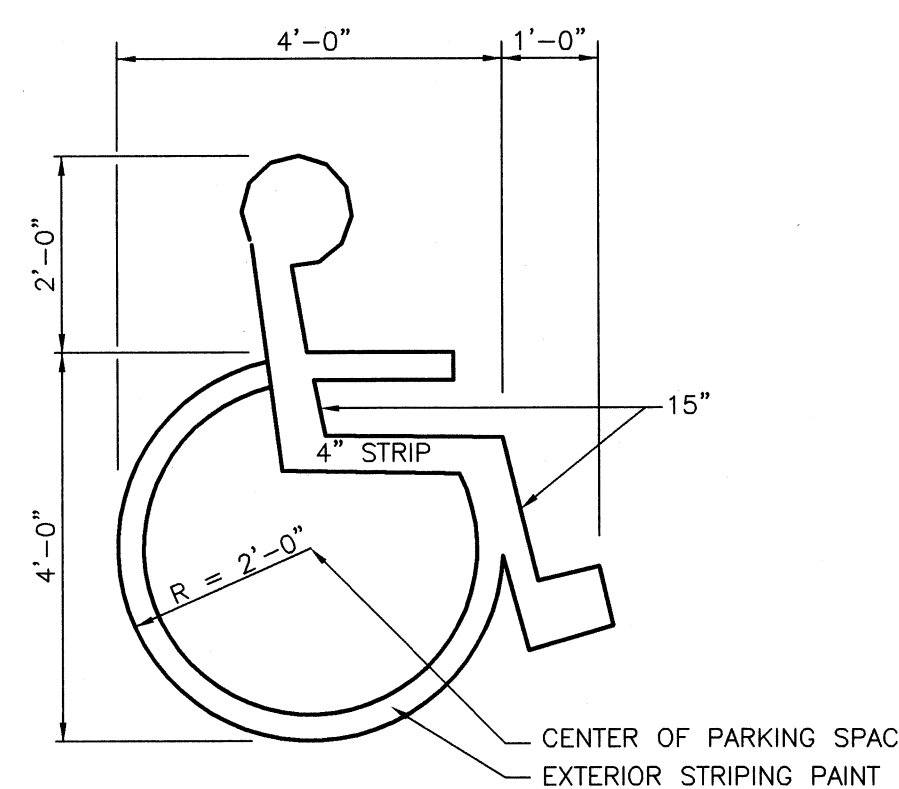
1. SIGNS ARE TO CONFORM WITH THE SPECIFICATIONS FROM THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES.

2. SIGNS WILL BE MOUNTED ON GALVANIZED POLES OR ON WALL (WHERE APPLICABLE).

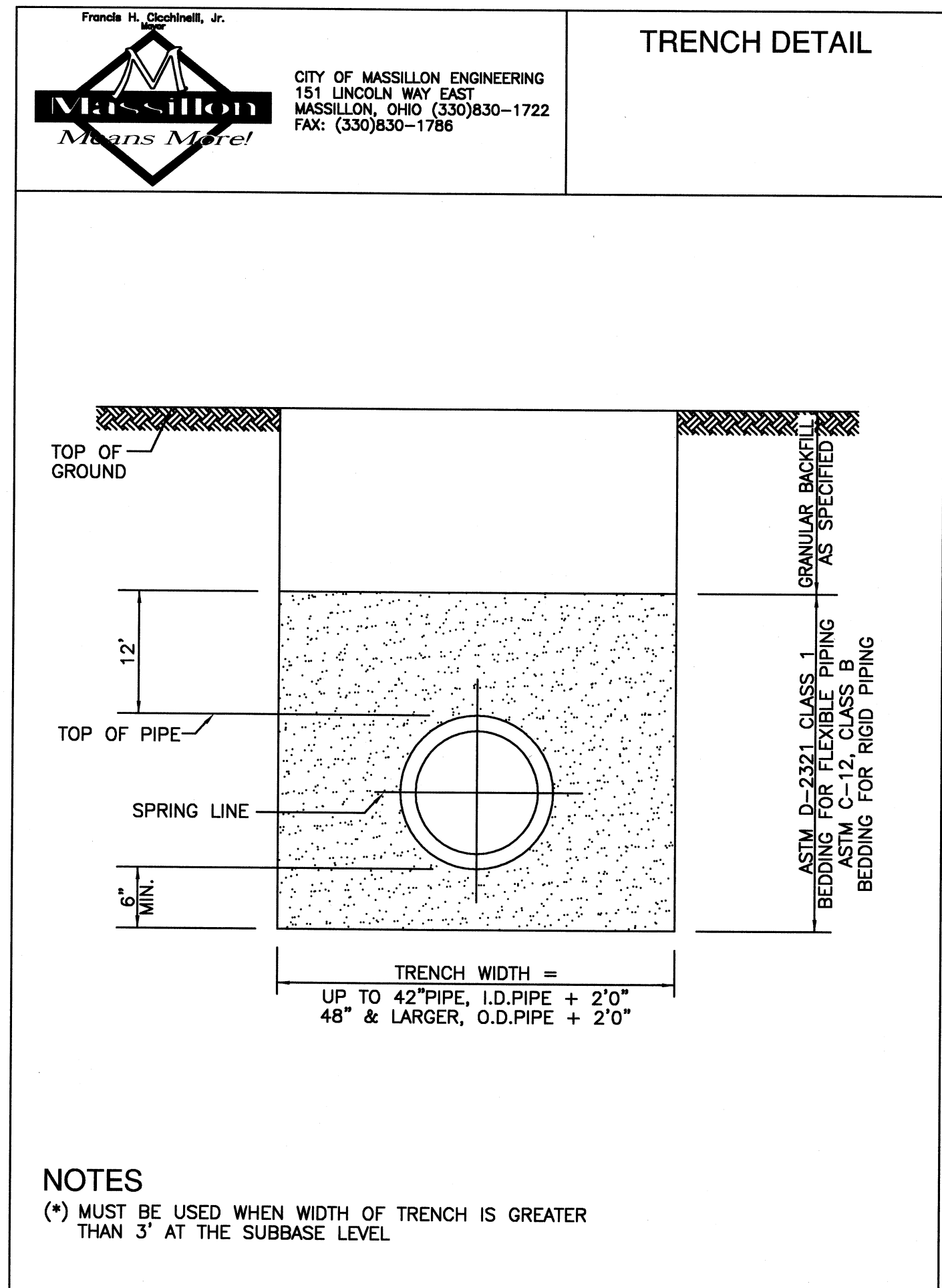
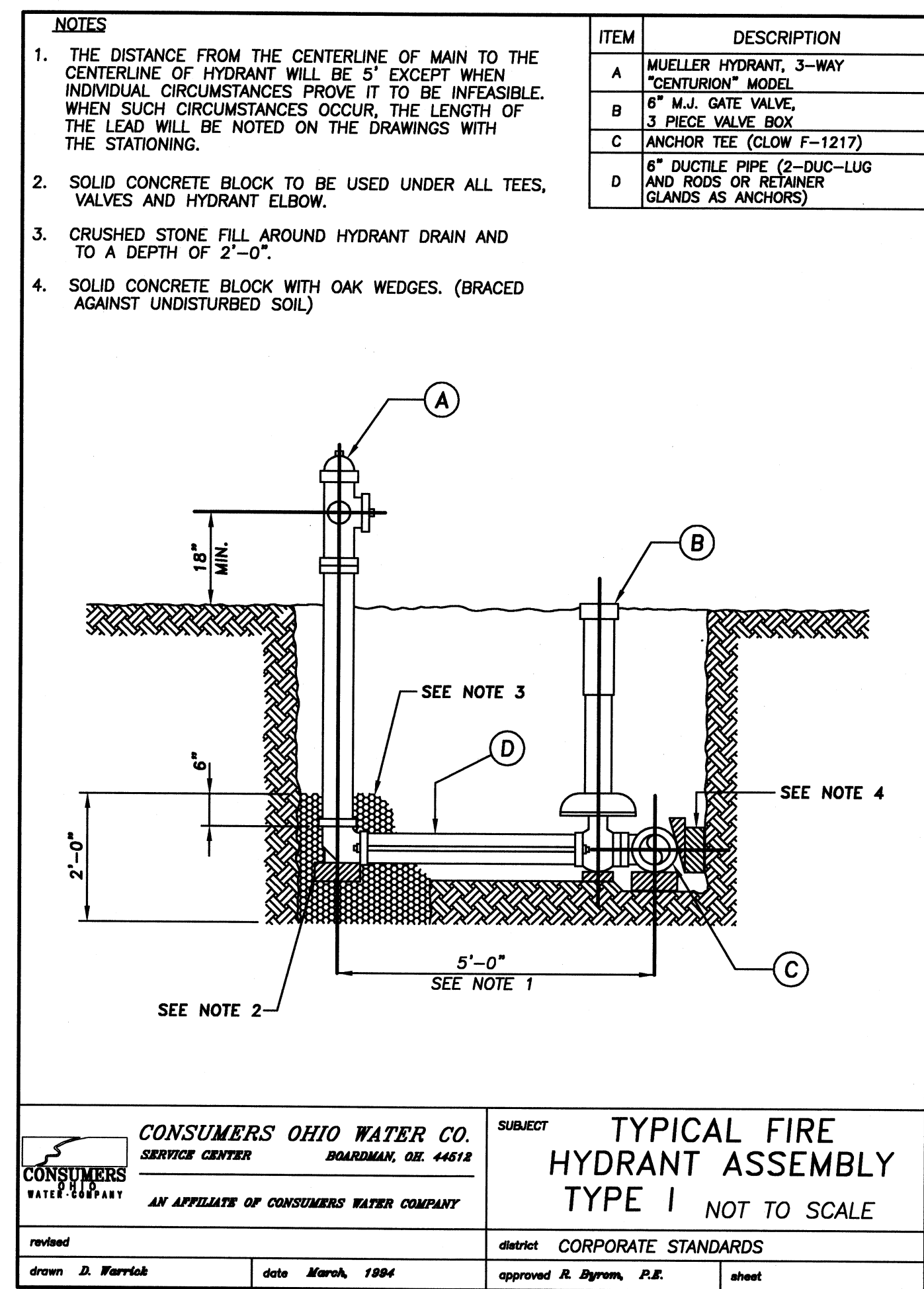
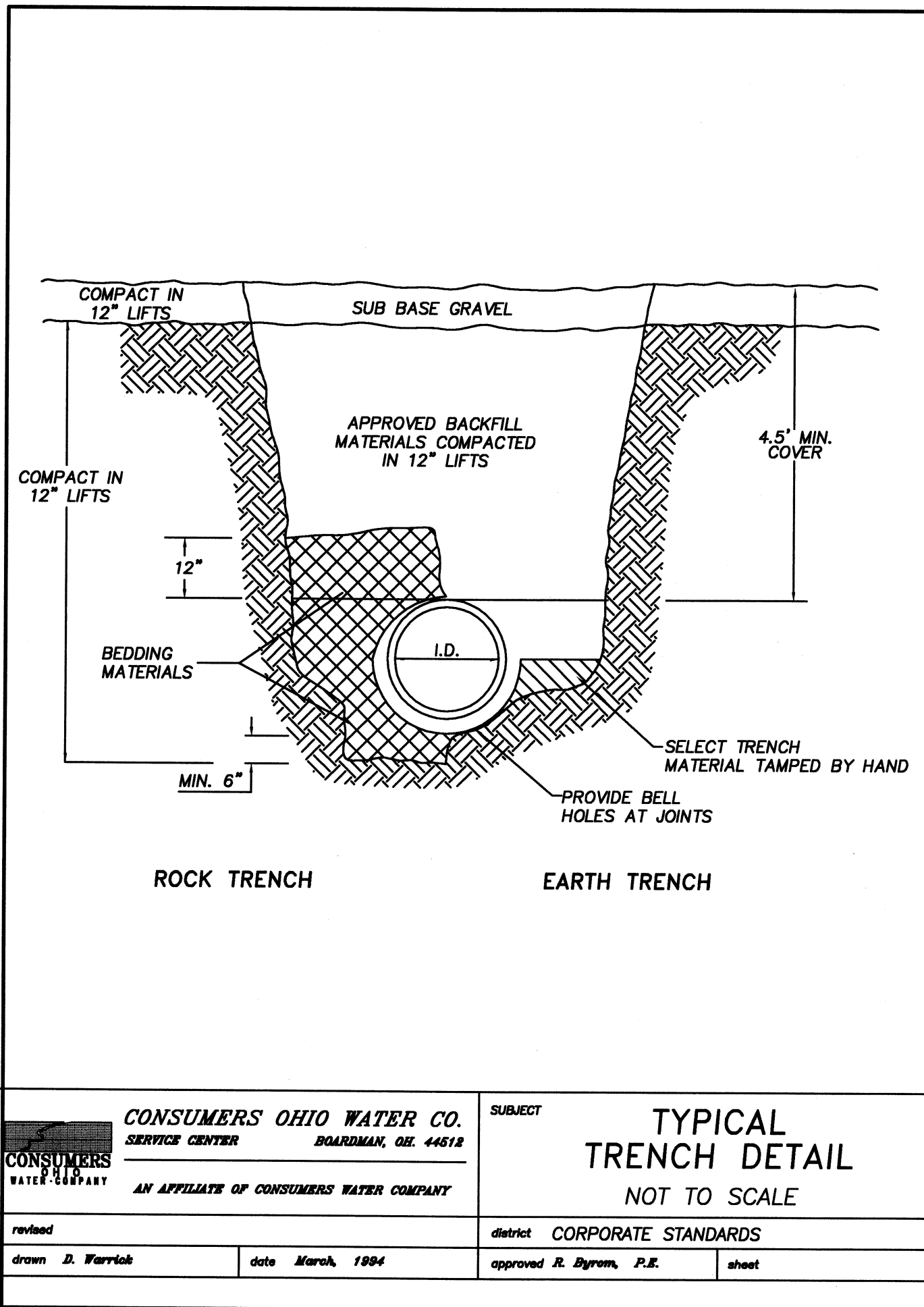
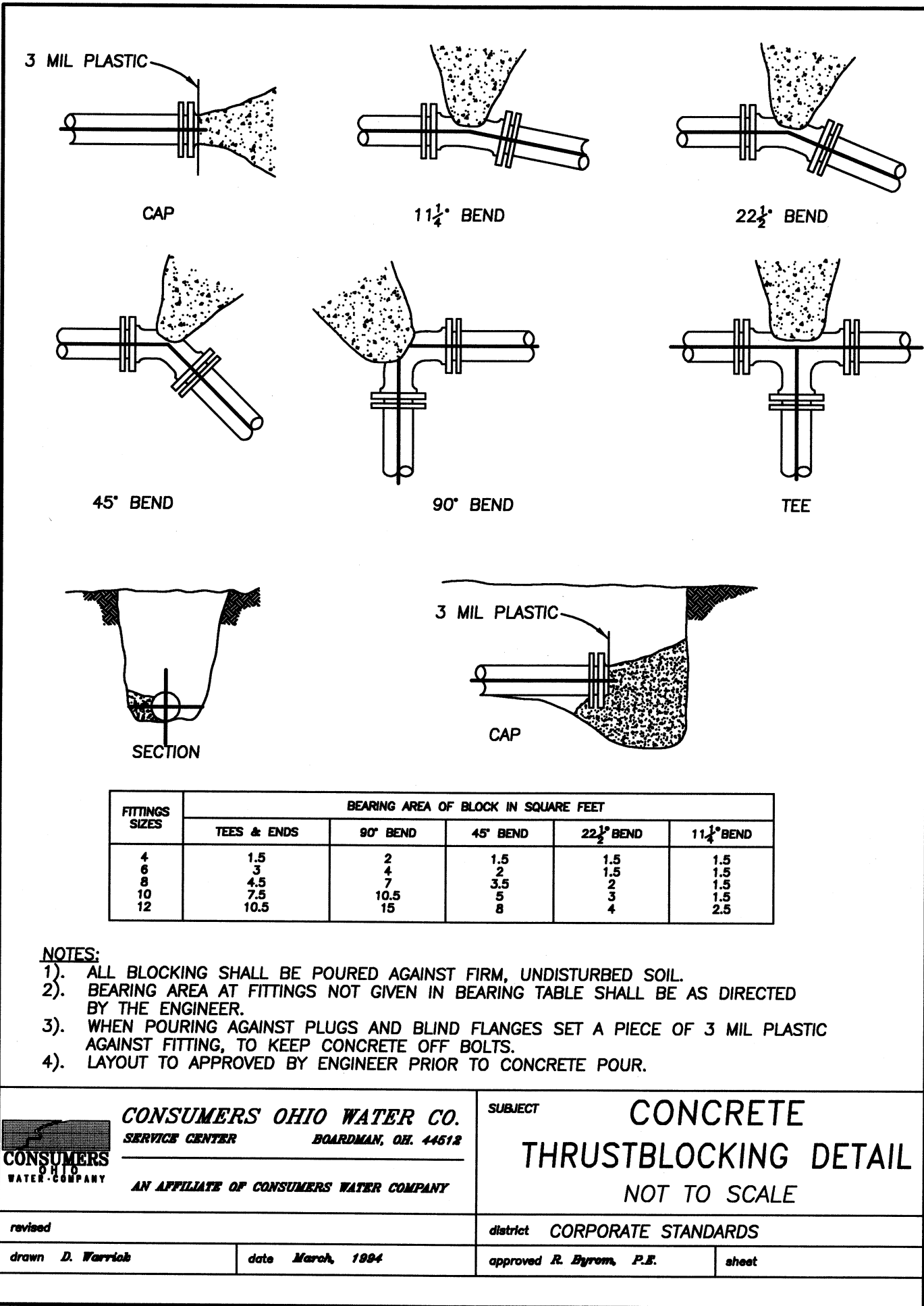
3. SIGNS SHALL COMPLY TO ALL ADA CODES.



NO SCALE



N.T.S



SITE INFORMATION

SITE DESCRIPTION EXISTING – GRASS, WOODS, WETLAND
PROPOSED – RAIL SPURS, WAREHOUSE, MILL & RECEIVING BUILDINGS

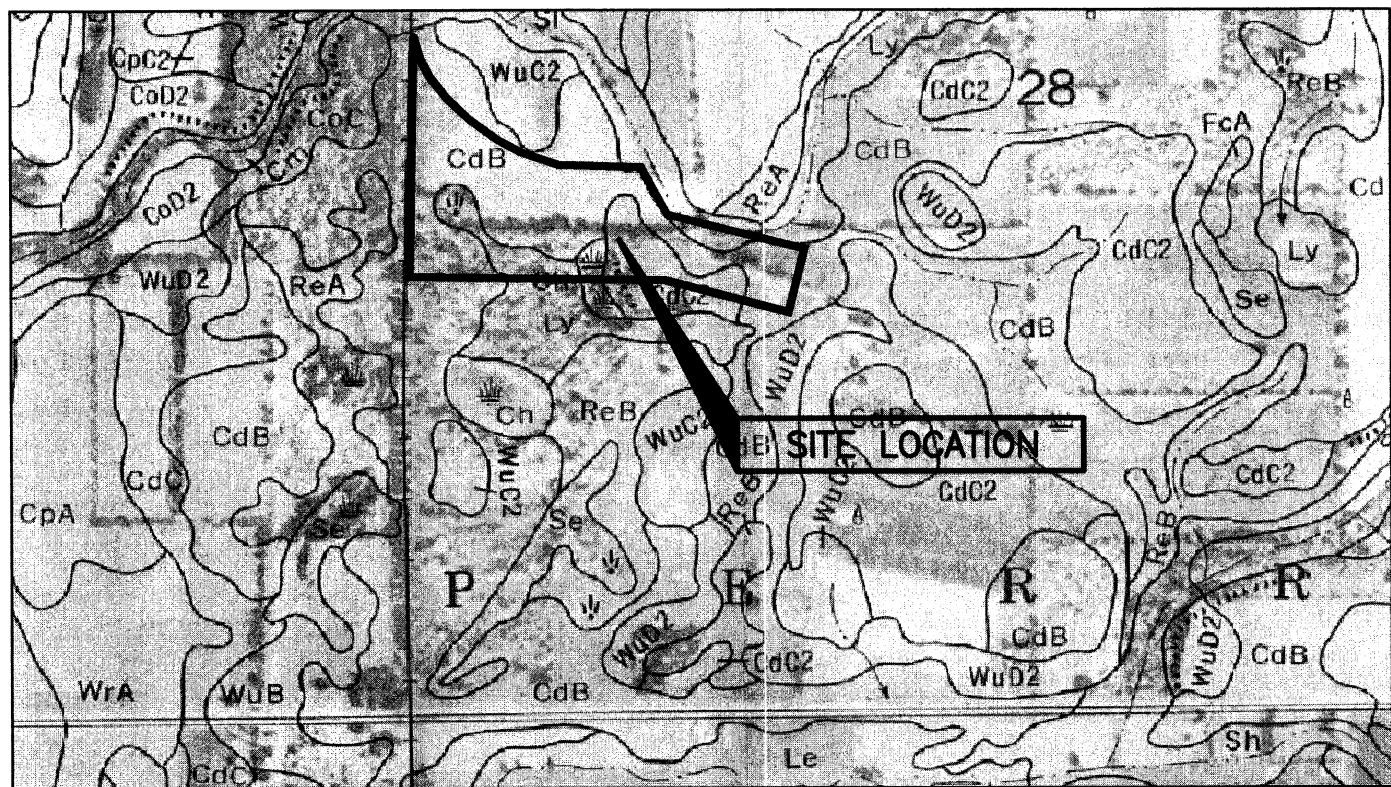
TOTAL AREA OF SITE – 18.48 AC.
AREA OF SITE TO UNDERGO EXCAVATION – 12.82± AC.

PRE-CONSTRUCTION RUNOFF COEFFICIENT – C= 0.30
POST-CONSTRUCTION RUNOFF COEFFICIENT – C= 0.62

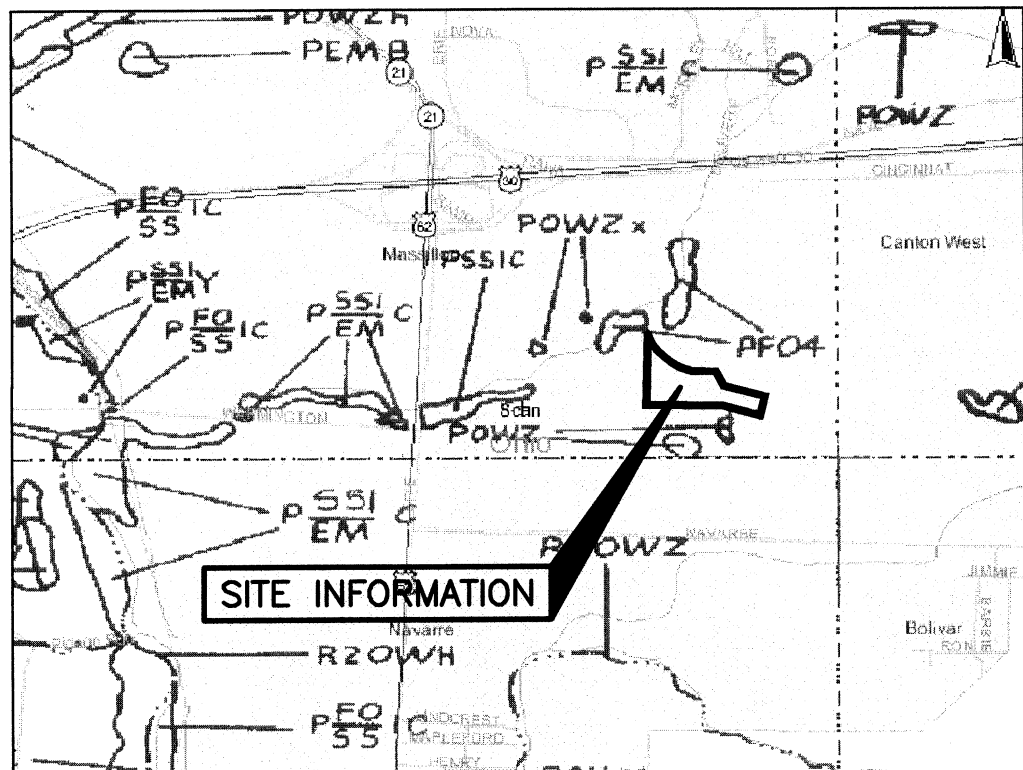
SCHEDULE OF MAJOR CONSTRUCTION
COMMENCEMENT – WINTER 2007
COMPLETION – SUMMER 2008

RECEIVING STREAM AND SURFACE WATERS
ONSITE DRAINAGE FLOWS TO EXISTING WETLAND LOCATED ON THE WEST
SIDE OF PROPERTY AND TO EXISTING DITCH ON NORTHEAST SIDE OF
PROPERTY. EXISTING DITCH FLOWS TO TUSCARAWAS RIVER.

EXISTING SOILS ON SITE
SI SLOAN SILT LOAM
LY LURAY SILT LOAM
CH CARLISLE MUCK
CdB CANFIELD SILT LOAM, 2 TO 6 PERCENT SLOPES
CdC2 CANFIELD SILT LOAM, 6 TO 12 PERCENT SLOPES, MODERATELY ERODED



SOILS MAP



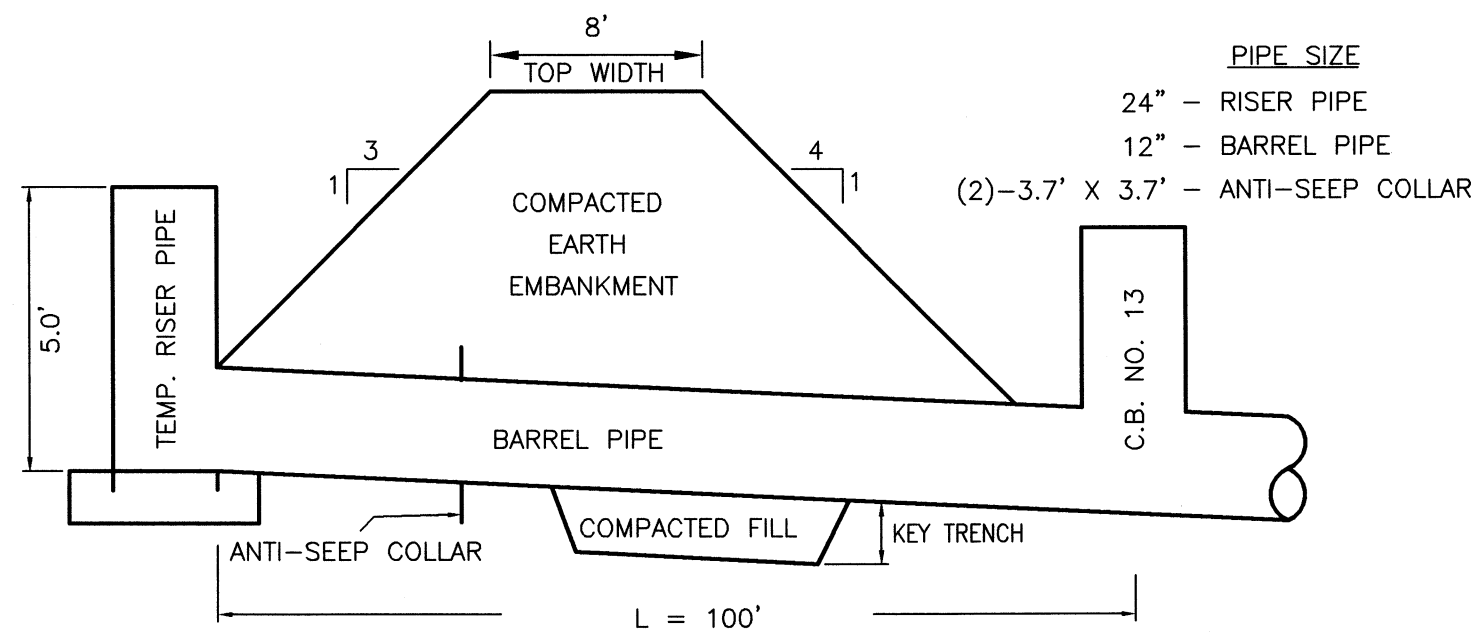
WETLANDS MAP

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."

ELEVATIONS

1006.00' – TOP OF EMBANKMENT
1005.00' – CREST OF EMERGENCY SPILLWAY
1004.00' – CREST OF RISER PIPE
999.00' – INVERT OF BARREL OUTLET
1003.20' – CLEANOUT ELEVATION



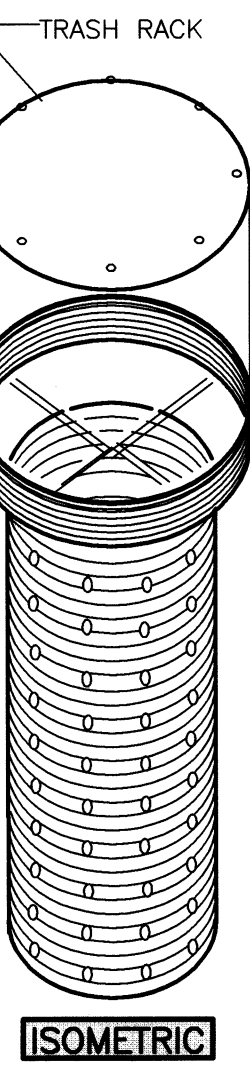
DETENTION BASIN DURING CONSTRUCTION

* PERFORATED RISER PIPE IS A TEMPORARY STRUCTURE
AND TO BE USED DURING CONSTRUCTION. THIS RISER
PIPE MUST BE REMOVED AFTER 80% UPLAND
AREAS HAVE BEEN SEEDDED AND STABILIZED.

* 24" DIA. PIPE,
PERFORATED WITH
(8) 1" DIA. HOLES
EVENLY SPACED,
HORIZ. AND VERT.

CLEANOUT ELEVATION
CLEARLY MARKED ON
RISER PIPE. (1003.20)

TEMPORARY
RISER PIPE & BASE



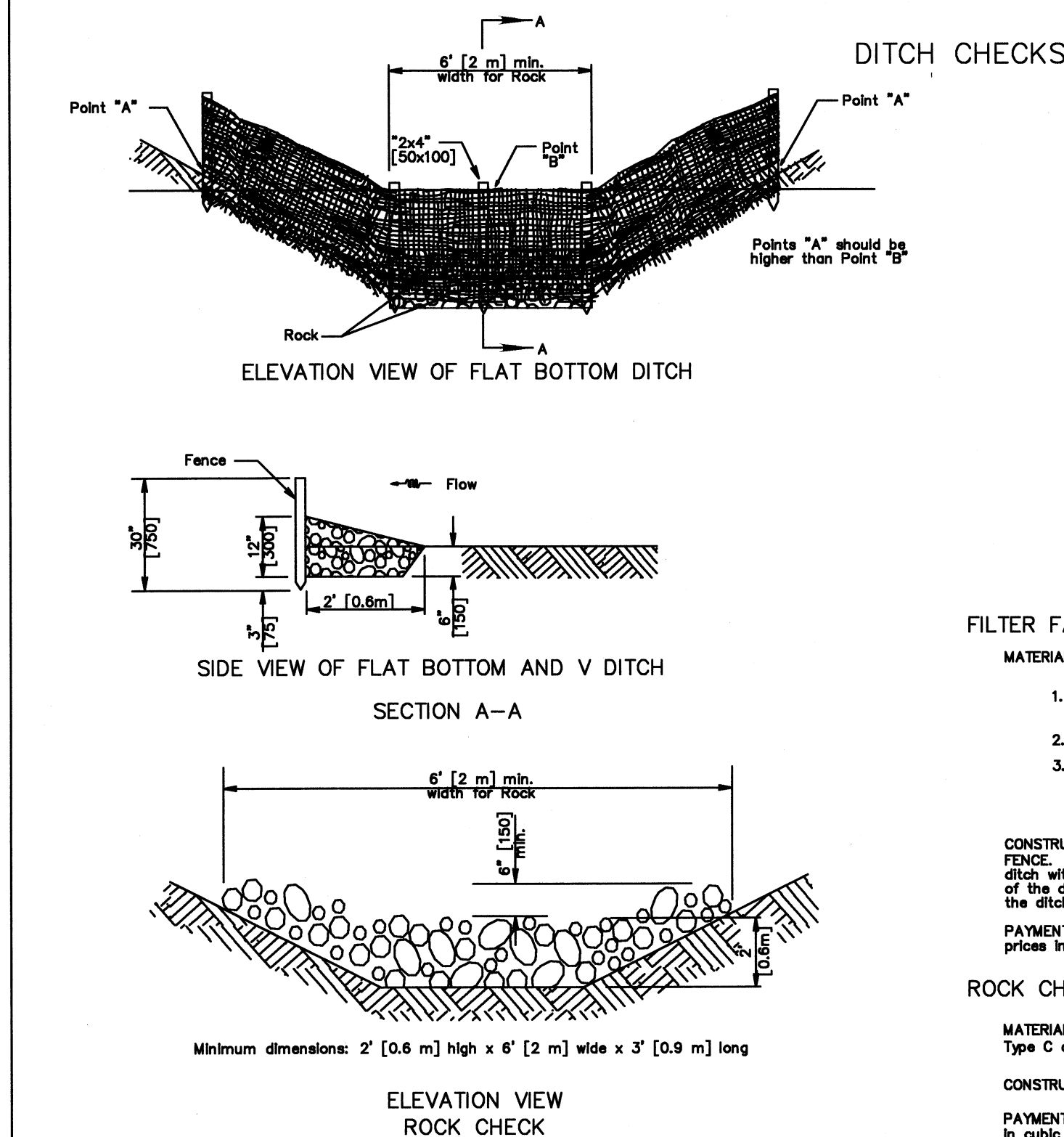
NOTE:

SEE SHEET NO. 6 FOR PERMANENT OUTLET DETAIL

SPECIFICATIONS FOR SEDIMENT BASINS

- SEDIMENT BASINS SHALL BE CONSTRUCTED AND OPERATIONAL
BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
- SITE PREPARATION -- THE AREA UNDER THE EMBANKMENT
SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY
VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE
CLEARED AS NEEDED TO FACILITATE SEDIMENT CLEAN OUT.
GULLIES AND SHARP BREAKS SHALL BE SLOPED TO NO
STEEPER THAN 1:1. THE SURFACE OF THE FOUNDATION AREA
WILL BE THOROUGHLY SCARIFIED BEFORE PLACEMENT OF THE
EMBANKMENT MATERIAL.
- CUTOFF TRENCH -- THE CUTOFF TRENCH SHALL BE
EXCAVATED ALONG THE CENTERLINE OF THE EMBANKMENT.
THE MINIMUM DEPTH SHALL BE 2 FT. UNLESS SPECIFIED
DEEPER ON THE PLANS OR AS A RESULT OF THE SITE
CONDITIONS. THE MINIMUM BOTTOM WIDTH SHALL BE 4 FT.,
BUT WIDE ENOUGH TO PERMIT OPERATION OF COMPACTING
EQUIPMENT. THE TRENCH SHALL BE KEPT FREE OF STANDING
WATER DURING BACK FILL OPERATIONS.
- EMBANKMENT -- THE FILL MATERIAL SHALL BE FREE OF ALL
SOD, ROOTS, FROZEN SOIL, STONES OVER 6 INCHES IN
DIAMETER, AND OTHER OBJECTIONABLE MATERIAL. THE
PLACING AND SPREADING OF THE FILL MATERIAL SHALL BE
STARTED AT THE LOWEST POINT OF THE FOUNDATION AND
THE FILL SHALL BE BROUGHT UP IN APPROXIMATELY 6 INCH
HORIZONTAL LAYERS OR OF SUCH THICKNESS THAT THE
REQUIRED COMPACTION CAN BE OBTAINED WITH THE
EQUIPMENT USED. CONSTRUCTION EQUIPMENT SHALL BE
OPERATED OVER EACH LAYER IN A WAY THAT WILL RESULT
IN THE REQUIRED COMPACTION. SPECIAL EQUIPMENT SHALL
BE USED WHEN THE REQUIRED COMPACTION CANNOT BE
OBTAINED WITHOUT IT. THE MOISTURE CONTENT OF FILL
MATERIAL SHALL BE SUCH THAT THE REQUIRED DEGREE OF
COMPACTION CAN BE OBTAINED WITH THE EQUIPMENT USED.
- PIPE SPILLWAY -- THE PIPE CONDUIT BARREL SHALL
BE PLACED ON A FIRM FOUNDATION TO THE LINES AND
GRADES SHOWN ON THE PLANS, CONNECTIONS BETWEEN
THE RISER AND BARREL, THE ANTI-SEEP COLLARS AND
BARREL AND ALL PIPE JOINTS SHALL BE WATERTIGHT.
SELECTED BACK FILL MATERIAL SHALL BE PLACED AROUND
THE CONDUIT IN LAYERS AND EACH LAYER SHALL BE
COMPACTED TO AT LEAST THE SAME DENSITY AS THE
ADJACENT EMBANKMENT. ALL COMPACTING WITHIN 2 FT.
OF THE PIPE SPILLWAY WILL BE ACCOMPLISHED WITH
HAND OPERATED TAMPING EQUIPMENT.
- RISER PIPE BASE -- THE RISER PIPE SHALL BE SET A
MINIMUM OF 6 INCHES IN THE CONCRETE BASE.
- EMERGENCY SPILLWAY -- THE EMERGENCY SPILLWAY
SHALL BE CUT IN UNDISTURBED GROUND. ACCURATE
CONSTRUCTION OF THE SPILLWAY ELEVATION AND WIDTH
IS CRITICAL AND SHALL BE WITHIN A TOLERANCE OF 0.2 FT.
- SEED AND MULCH -- THE SEDIMENT BASIN SHALL BE
STABILIZED IMMEDIATELY FOLLOWING ITS CONSTRUCTION.
IN NO CASE SHALL THE EMBANKMENT OR THE EMERGENCY
SPILLWAY REMAIN BARE FOR MORE THAN 7 DAYS.
- SEDIMENT CLEANOUT -- SEDIMENT SHALL BE REMOVED
AND THE SEDIMENT BASIN RESTORED TO ITS ORIGINAL
DIMENSIONS WHEN THE SEDIMENT HAS FILLED TO 40% OF
THE POND'S ORIGINAL DEPTH OR AS INDICATED ON THE
PLANS. SEDIMENT REMOVED FROM THE BASIN SHALL BE
PLACED SO THAT IT WILL NOT ERODE.
- FINAL REMOVAL – SEDIMENT BASINS SHALL BE CONVERTED
INTO A PERMANENT DRAINAGE BASIN AFTER THE UPSTREAM
DRAINAGE AREA IS STABILIZED. ALSO, THE STAND PIPE RISER
SHALL BE REMOVED AND A 6" ORIFICE PLATE WILL BE INSTALLED
ON THE 18" PIPE. AFTER STABILIZATION, DEWATERING AND
REMOVAL SHALL NOT CAUSE SEDIMENT TO BE DISCHARGED.
THE SEDIMENT BASIN SITE AND SEDIMENT REMOVED FROM THE
BASIN SHALL BE STABILIZED.

PERMANENT SEEDING



DITCH CHECKS

NOTES

FILTER FABRIC DITCH CHECKS:

- MATERIALS: Furnish filter fabric ditch checks consisting of the following materials:
- 30" [0.8 m] wide filter fabric with sound wood supports with maximum on-center spacing of 10' [3.0 m]. Use filter fabric conforming to 712.09 Type C.
 - A vertically driven "2x4" [50x100] stake in the center of the ditch
 - Gravel or limestone material conforming to one of the following gradations No. 1 through No. 4 on Table 703.01-1.

CONSTRUCTION: Trench the filter fabric fence as detailed for PERIMETER FILTER FABRIC FENCE. (see Sheet 2/2) Place a vertical "2x4" [50x100] stake in the center of the ditch with the top level to the top of the fence and at least 6" [150] below the bottom of the ditch. Excavate for and place the gravel or limestone on the upstream side of the ditch check.

PAYMENT: The Department will pay for the accepted quantities at the contract prices in feet [meters] as follows: Item 207 – Filter Fabric Ditch Check.

ROCK CHECKS:

MATERIALS: Furnish material conforming to Item 601 Rock Channel Protection Type C or D without filter.

CONSTRUCTION: Place the rock outside the traffic clear zone in the ditch.

PAYMENT: The Department will pay for the accepted quantities at the contract prices in cubic yards [cubic meters] as follows: Item 207 – Rock Channel Protection Type C or D without filter.

MAINTENANCE OF PERMANENT SEEDING

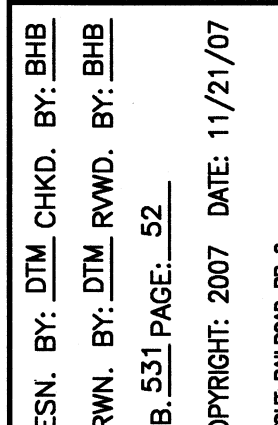
| MAINTENANCE FOR PERMANENT SEEDING FERTILIZATION AND MOWING TABLE. | | | | | |
|--|----------|---------|-------------------------------|--|--------------------------|
| MIXTURE | FORMULA | LB./AC. | LB./1,000 FT. ² | TIME | MOWING |
| CREeping RED FESCUE RYEGRASS | 10-10-10 | 500 | 12 | FALL, YEARLY 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.

SOIL EROSION CONTROL NOTES & DETAILS
CASE FARMS, LLC
FOR: PORT-LAND SYSTEMS, INC.
PART OF O.L. 569 IN THE CITY OF
MASSILLON, STARK COUNTY, OHIO

HAMMONTREE & ASSOCIATES, LTD.
ENGINEERS, PLANNERS, SURVEYORS
CANTON PITTSBURGH AKRON
5233 STONEHAM ROAD, NORTH CANTON, OHIO 44720
PHONE CANTON(330)/469-8817 AKRON(330)/633-7774
TOLL FREE: 1-800-354-8817 FAX: (330)/469-0149
www.hammontree-engineers.com

ELEV. = 1018.12



SCALES:
HORIZ: 1"=50'
VERT: 1"=5'
CONTOUR INT = 1'

70.95

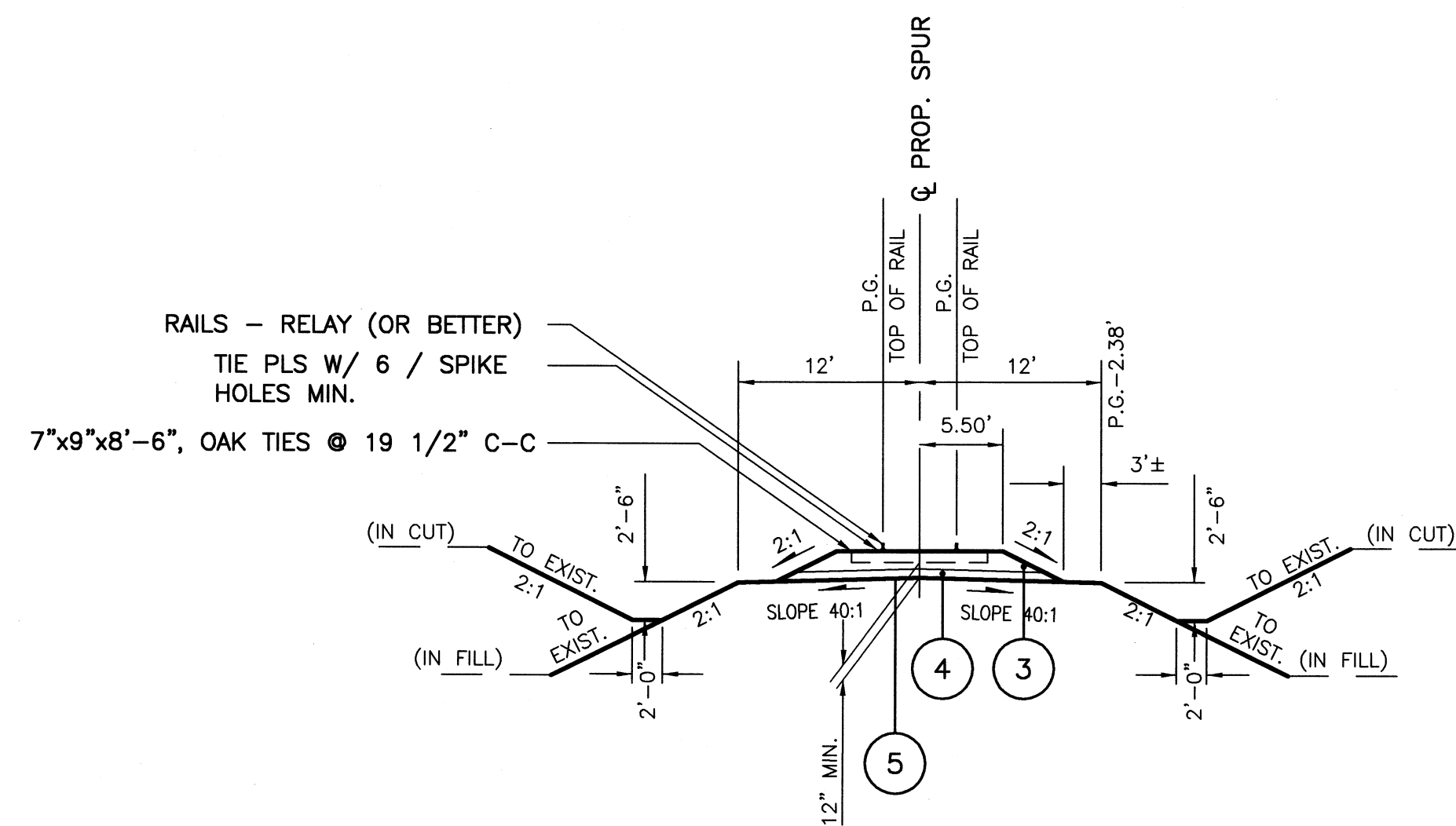
PROFILE-STA. 17+50 TO STA. 29+
CASE FARMS, LLC
FOR: PORT-LAND SYSTEMS, INC.
PART OF O.L. 569 IN THE CITY OF
MASSILLON STARK COUNTY, OHIO

LAN & F

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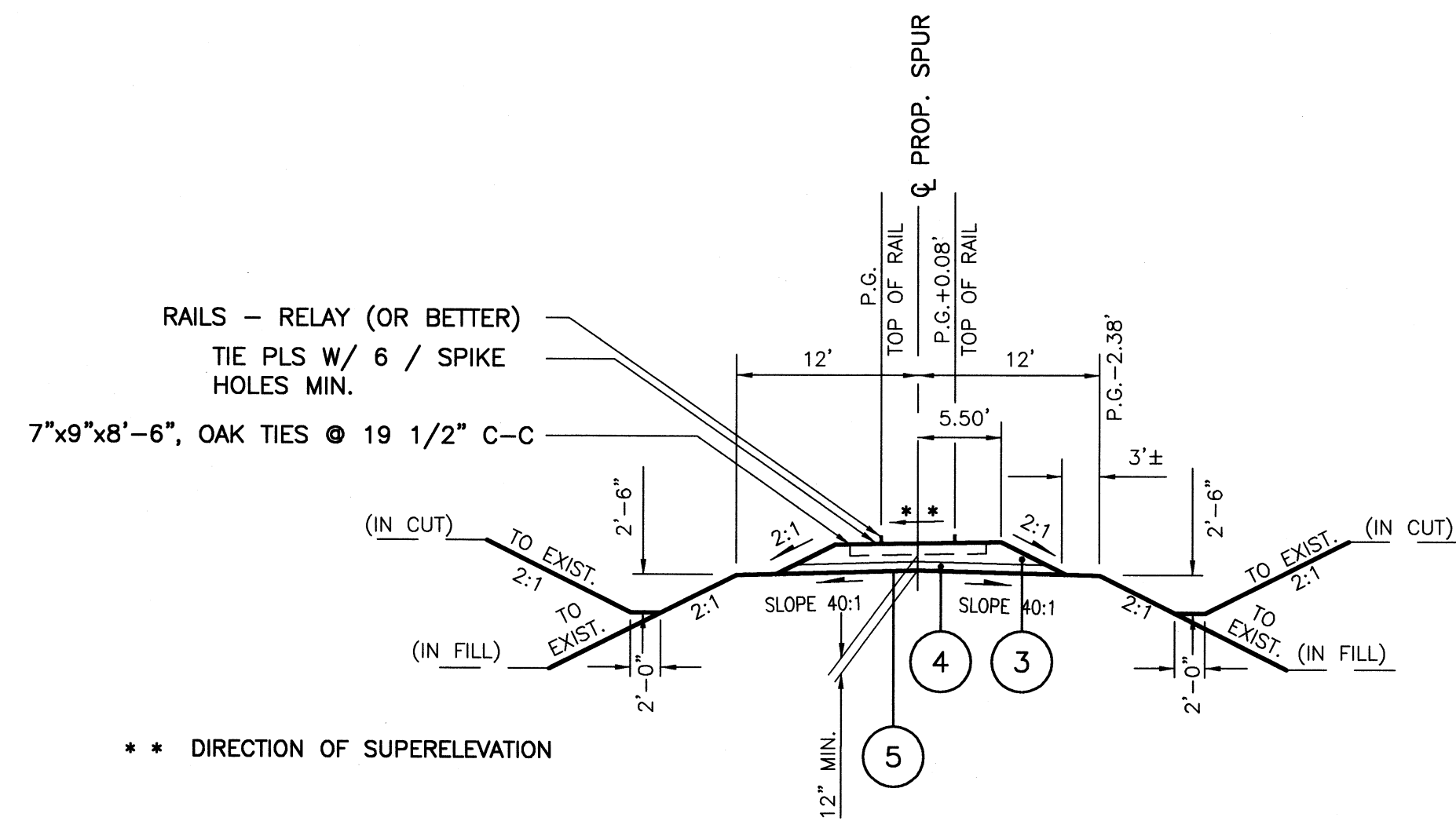
HA® **HAMMONTREE & ASSOCIATES, LTD.**
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www.hammontree-engineers.com

| | |
|---------------|--|
| DATE: | DESC: |
| DATE: | DESC: |
| DATE: 4/8/08 | DESC: PER PORT-LAND SYSTEMS COMMENTS DATED 3/25/08 |
| DATE: 2/8/08 | DESC: PER PORT-LAND SYSTEMS COMMENTS DATED 2/20/08. |
| DATE: 2/13/08 | DESC: PER CITY OF MASSILLON ENG. COMMENTS DATED 2/13/08. |
| DATE: 2/1/08 | DESC: PER PORT-LAND SYSTEMS COMMENTS DATED 1/23/08. |



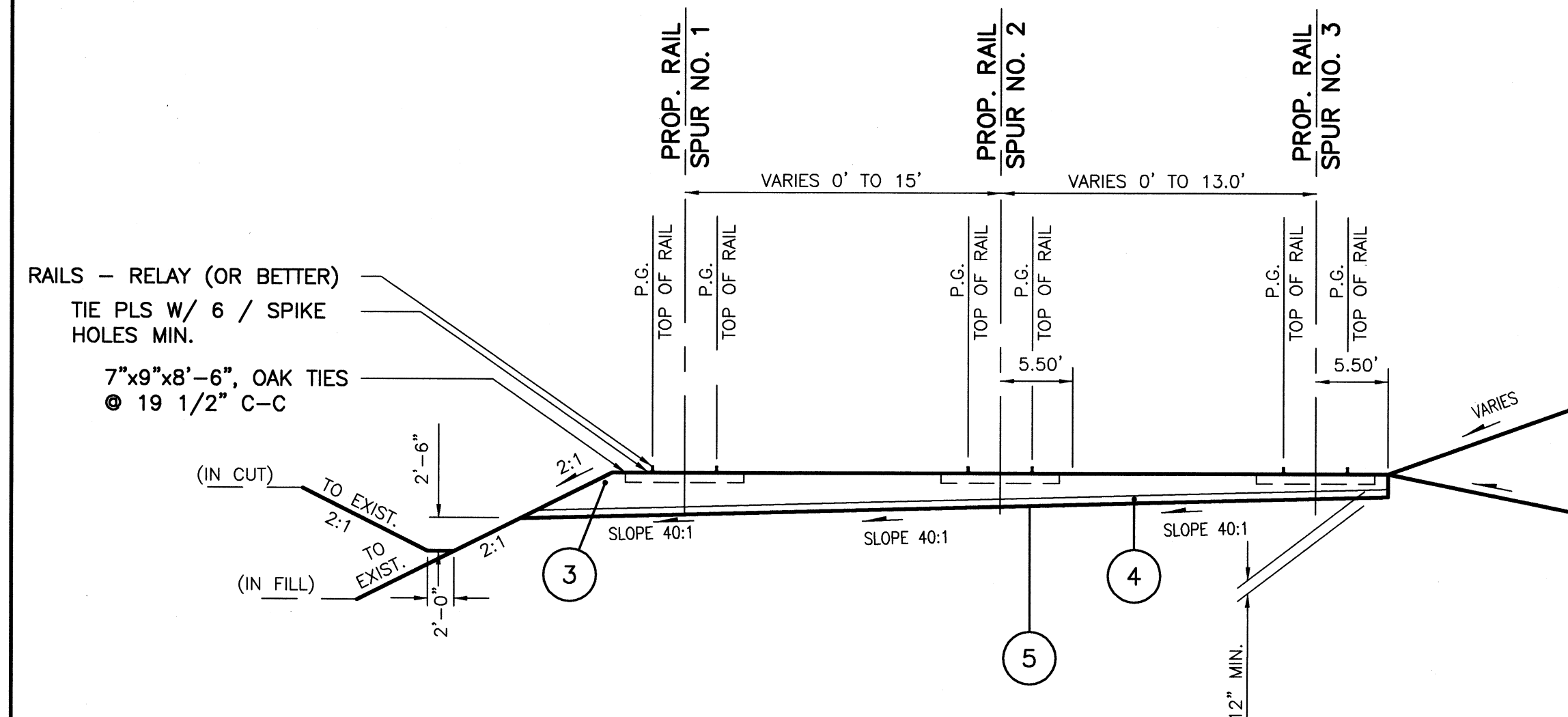
TYPICAL SECTION

SCALE: 1"=10'
FROM STA. 10+00 TO STA. 10+90.89
FROM STA. 17+25.49 TO STA. 18+80.34



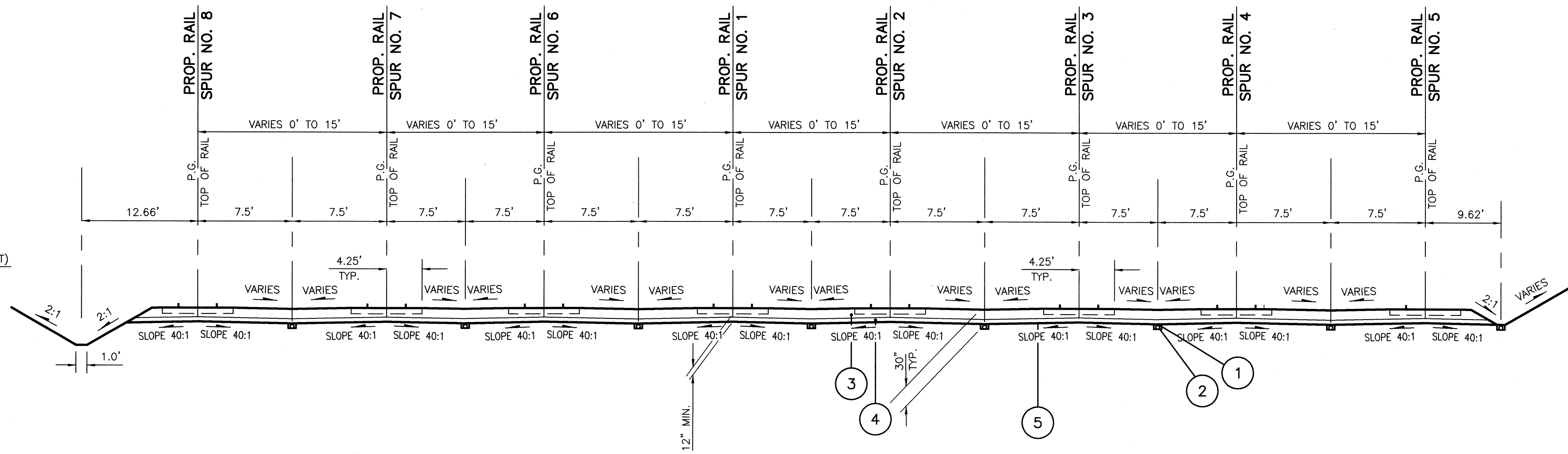
SUPERELEVATION TYPICAL SECTION

SCALE: 1"=10'
TRANSITION FROM 0" TO 1" SUPERELEVATION FROM STA. 10+90.89 TO STA. 11+10.89
FULL 1" SUPERELEVATION FROM STA. 11+10.89 TO STA. 17+05.49
TRANSITION FROM 1" TO 0" SUPERELEVATION FROM STA. 17+05.49 TO STA. 17+25.49



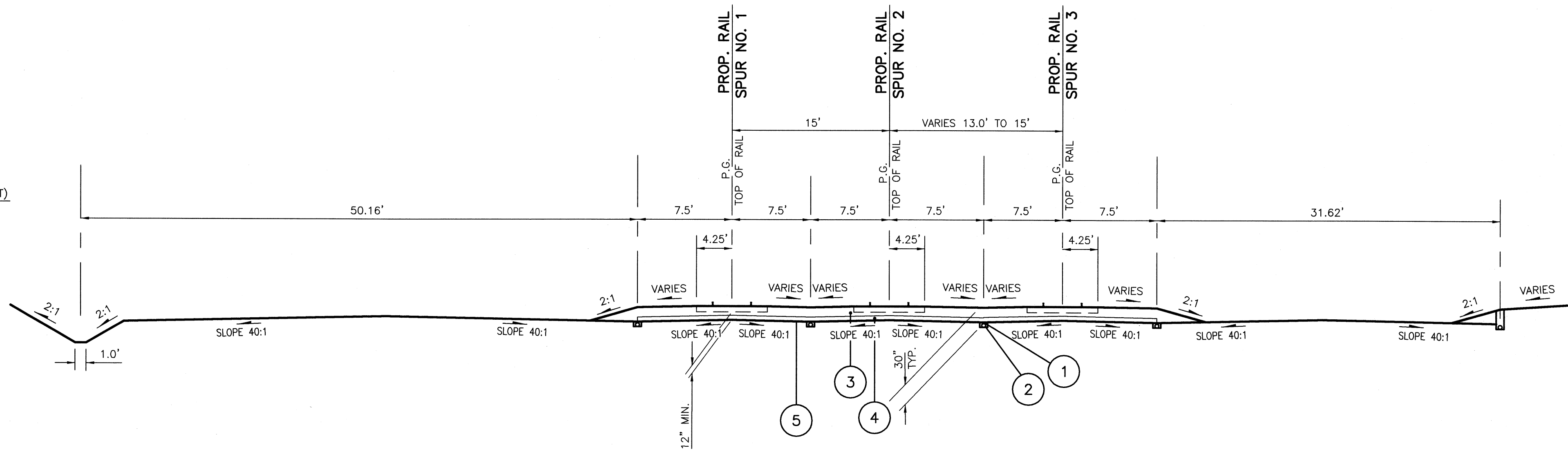
TYPICAL SECTION

SCALE: 1"=10'
FROM STA. 19+60.34 TO STA. 22+58.01



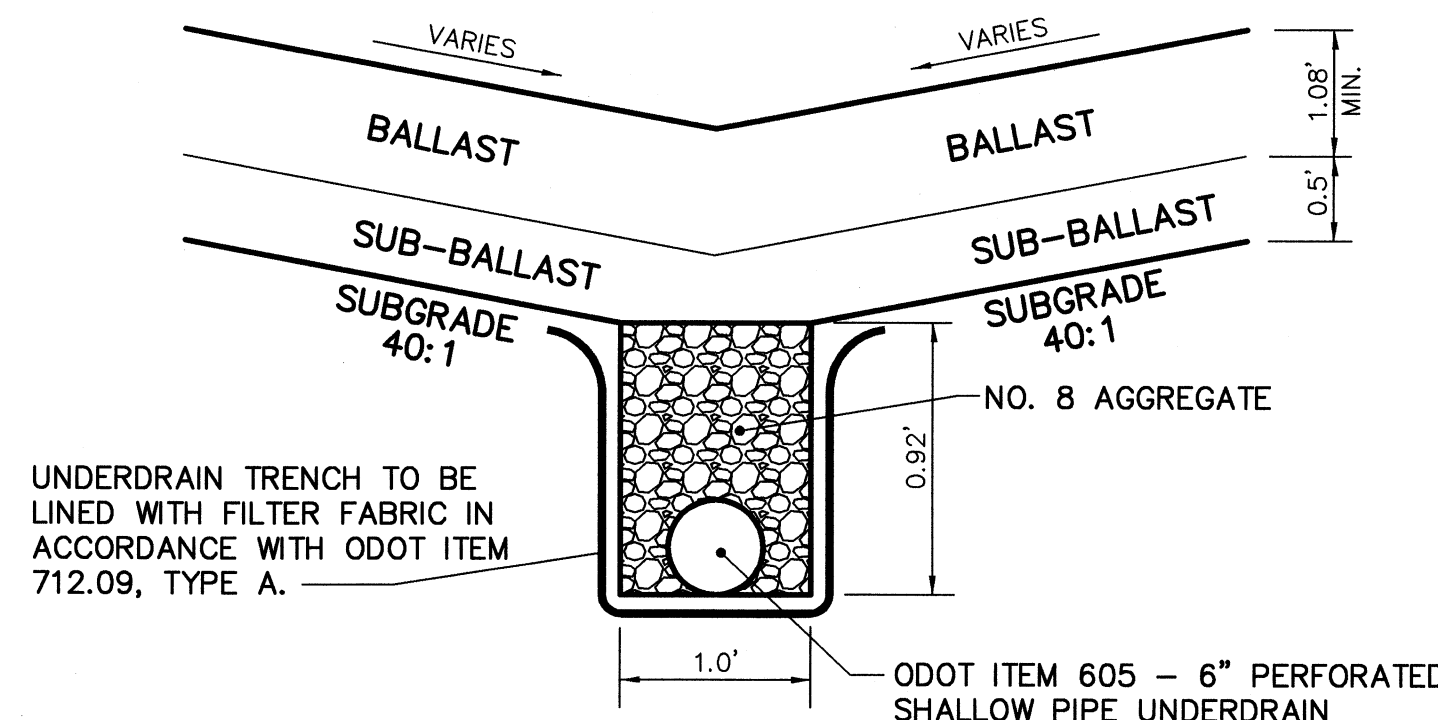
TYPICAL SECTION FOR COMPLETE CONSTRUCTION

NOT TO SCALE
TRANSITION FROM 0' TO 15' OFFSET FROM STA. 22+58.01 TO STA. 25+41.35
15' OFFSET FROM STA. 25+41.35 TO STA. 29+69.32



TYPICAL SECTION FOR INITIAL CONSTRUCTION

NOT TO SCALE
FROM STA. 22+58.01 TO STA. 29+69.32



UNDERDRAIN DETAIL

NOT TO SCALE

LEGEND

- ① NO 8 AGGREGATE BASE, (SEE UNDERDRAIN DETAIL)
- ② ITEM 605 6" PERFORATED PIPE, (SEE UNDERDRAIN DETAIL)
- ③ CRUSHED LIMESTONE BALLAST MINIMUM 6" DEPTH UNDER RAILROAD TIE
- ④ COMPACTED SUB-BALLAST MINIMUM 6" UNDER BALLAST
- ⑤ ITEM 204 SUBGRADE COMPACTION

NOTE:
ITEM NUMBERS REFER TO O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS, JANUARY 1, 2005.

RAIL SPUR TYPICAL SECTIONS

CASE FARMS, LLC

FOR: PORT-LAND SYSTEMS, INC.

PART OF O.L. 569 IN THE CITY OF MASSILLON, STARK COUNTY, OHIO

DESIGN BY: DTM CHKD. BY: BHB
REV. BY: DTM DATE: 11/21/07
F.B. 531 PAGE: 52
COPYRIGHT: 2007 DATE: 11/21/07
LAYOUT: RAILROAD TYP

DESC.: PER PORT-LAND SYSTEMS COMMENTS DATED 3/25/08
DESC.: PER PORT-LAND SYSTEMS COMMENTS DATED 2/20/08
DESC.: PER PORT-LAND SYSTEMS COMMENTS DATED 1/23/08

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