NOVA DRIVE S.E. 60'

Ex. 12" Waterline

375' of 8" V.S.P. @ 0.54%

180' of 8" V.S.P. @ 0.56%

180' of 6" V.S.P. @ 0.83%

Ex. 90' of 8" V.S.P. @ 20.50%

12' OF 12" RCP @ 0.60%

50' OF 18" RCP

100' OF 36" RCP @ 0.60%

S 82°18'11" E 238.02'

N 81°40'33" W 111.73'

PC # 24+93.41

DISTURBED AREA LIMITS

SILT FENCE

LANDSCAPE MOUNDING-(Topsoil)

25' REAR SETBACK

GRASS AREA

pt. O.L. 560
ELECTRIC MELTING SERVICE CO. INC.
5.0036 Acres
620-130

(IN FEET)
1 inch = 20 ft.

DISTURBED AREA LIMITS
0.91 Acres

Gas Service Line

Gas Line Meter

PROPOSED WAREHOUSE
ACCESSORY BUILDING
10,000 SQ. FT.
FF=992.30

80' of 10" PVC @ 0.5%

Down Spout FL=989.75

Down Spout FL=989.36

Down Spout FL=990.15

Down Spout 10"- 6" PVC FL@BLDG=990.55 FL(out)=990.00

Down Spout FL=990.55

Proposed Concrete Pad

62' of 8" PVCSDR 26@ 0.5%

62' of 6" PVCSDR 26@ 0.65%

1/4"/per Foot

1/4"/per Foot

See Note 1

See Note 2
Existing pipe to be removed

Ex. FL=990.81

Ex. FL=990.61

Ex 50'-12" CMP

155' of 12" HDP @ 0.50%

70' of 12" HDP @ 0.50%

60' of 12" HDP @ 2.00%

FUTURE TRUCK LOADING RAMP SEE NOTE 8

Ex. Light Pole

See Note 7

Ex. Tree to be removed

PK SET

Ex. Fence

PP CB#1(2-2B)
TOP= 990.75
FL=988.55

Ex. CONCRETE APRON

200.00'

150.00'

EX. BUILDING
30,000 SQ. FT.
FF= 992.84

TRUCK LOADING RAMP

Ex. Asphalt Surface

Do Not Show Contours on This Shet.

EXISTING SAN. PUMPING STATION

EXISTING 6" PVC SAN. FORCE MAIN

OUTLET STRUCTURE
PP CB#3 (2-2B)
TOP= 991.20
FL(4"ORIFICE)=989.25
FL-12"(out)=989.00

EX. SAN MH #1
TOP=992.01
FL-8" (in)=980.03
FL-8"(in)=980.25
FL-8"(out)=980.00

PP CB#2(2-2B)
TOP= 991.00
FL(12")in=987.79
FL(12")in=987.79
FL(12")out=987.79

Ex. 280' of 8" V.S.P. @ ±0.70%

512.07'

S 01°32'54" W

Existing 20' Sanitary Sewer Easement

Ex. SS MH #2
Top= ± 990.47
INV= 982.35

8" STUB

Sanitary - Storm Sewer Crossing Elevations
FL-8" VSP(Sanitary)=981.13
FL-12" HDP(Storm)= 987.63

PROPOSED 20' STORM EASEMENT

Proposed HW #1 (Type 1)
FL=987.43
w/Dump Rock Type C

Ex. Half Headwall
FL= 983.29
w/Rip Rap

SIZE? (DIMENSION) TYPICAL OF ALL RCP.

BENCHMARK***
EX. SAN MH
STA 23+90.20
TOP=990.76***
FL-8"(in)=980.58
FL-8"(out) = 980.48

STM MH #2
STA 24+60
Top=990.69
INV 12" in = 983.89
INV 18" in = 983.39
INV 36" in = 983.89
INV 36" out = 983.89

Top=990.69
INV 18" in = 984.21
INV 18" out = 984.04

TYPE "B" CB
STA 24+50
Top= 990.69
INV 12" out = 983.95

SAN MH #1A
STA 25+67.91, 11.53' LT
Top= 992.50
FLin = 981.60
FLout = 981.50

Overhead Light Pole(typ)

Asphalt Drive

Ex. Tree

Ex. Tre

988.0
987.0
986.0
985.0

- Add note that building to be dry good storage with no utility connections - All future connections are to be approved by City of Massillon
- ON THE DRAINAGE CHART IN YOUR REPORT THE PEAK ELEVATION FOR 2-YR STORM IS A TYPO. IT IS LABELED AS 999.4? SHOULD IT BE 990.40?

GENERAL NOTES

1. EXISTING FENCE TO BE REMOVED, EXISTING SLAG AND CONCRETE WITHIN FENCED-IN AREA TO BE REMOVED TO PROPOSED GRADE.
2. EXISTING 12" CMP STORM PIPE TO BE REMOVED AND REPLACED AS SHOWN.
3. REFER TO SHEET 3 OF 4 FOR ENLARGED BUILDING DETAILS
4. DETENTION POND TO BE CONSTRUCTED FIRST AND SEEDED IMMEDIATELY.
5. REFER TO SHEET 3 OF 4 FOR DETENTION POND DETAILS.
6. ALL STORM PIPE DISCHARGING INTO DETENTION POND OR EXISTING POND TO HAVE RIP RAP INSTALLED AT OUTLET. (2'L x 3'W x1'D)
7. EXISTING EDGE OF ASPHALT/ CONCRETE PAVEMENT WHERE PROPOSED WORK IS TO MEET IS TO BE CLEANED AND SQUARED(SAW CUT IF REQUIRED) TO ESTABLISH A SOLID BUTT JOINT.
8. TRUCK LOADING RAMP TO BE CONSTRUCTED AT A LATER DATE AND IS SHOWN FOR DESIGN AND LOCATION PURPOSES.
9. PERMANENT STORM EASEMENT TO BE OBTAINED FROM THE CITY PRIOR TO ANY WORK WITHIN CITY PROPERTY.
10. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS ON AN EXISTING SITE(DCATRED IN THE CITY OF MASSILLON, STARK COUNTY, OHIO. 2. EROSION CONTROL: USE STRAW BALES OR SILT FENCING AT ALL EXISTING AND PROPOSED CATCH BASINS WITHIN THE PROJECT LIMITS FOR EROSION AND SEDIMENTATION CONTROL.
11. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY AND "O.D.O.T. CONSTRUCTION AND MATERIALS SPECIFICATION."
12. STRIP BUILDING, ROADWAY, PAVEMENT, BORROW AND OTHER IMPROVEMENT AREAS OF ALL ORGANIC MATERIALS. STOCKPILE SUITABLE TOPSOIL OR UNSUITABLE SOILS IN THE DESIGNATED AREA FOR RESPREADING ONTO LANDSCAPED AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE SPREAD, GRADED, AND SEEDED BY THE CONTRACTOR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
13. SITE GRADING SHALL BE LIMITED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS UNLESS OTHERWISE SPECIFIED IN THE PLANS AND SPECIFICATIONS. THE SITE GRADING, EXCAVATION, AND THE EMBANKMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS.
14. PRIOR TO FOOTERS, FOUNDATION, CONCRETE OR PAVEMENT SECTION A COMPACTION REPORT SHALL BE PREPARED BY A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE OF OHIO, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED TO 98% MAXIMUM STANDARD PROCTOR DRY DENSITY. (ASTMD-698).
15. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES.
16. ELEVATIONS GIVEN ARE AT THE EOP (EDGE OF PAVEMENT) FINISHED PAVEMENT GRADE ELEVATIONS. ALL ASPHALT SHALL BE LAID ON A STRAIGHT, EVEN AND UNIFORM GRADE WITH A MINIMUM OF 0.5 SLOPE (IN PARKING LOT) TOWARD THE COLLECTION POINTS. DO NOT ALLOW NEGATIVE GRADES OR PONDING OF WATER.
17. THE CONTRACTOR SHALL FOLLOW ALL FINISHED GRADES SHOWN ON THE PLAN. ANY CHANGES SHALL BE AUTHORIZED BY THE ENGINEER.
18. CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.
19. CONTRACTOR TO SAW CUT EXISTING PAVEMENT FOR ALL UTILITY EXTENSIONS TO BUILDING AS SHOWN ON PLAN. REFER TO ARCHITECTURAL RENDERINGS.
20. GAS SERVICE TO BE EXTENDED AS PER UTILITY COMPANY AND IN ACCORDANCE WITH ARCHITECTURAL RENDERINGS.
21. ELECTRIC SERVICE TO BE EXTENDED FROM EXISTING BUILDING. REFER TO ARCHITECTURAL RENDERINGS FOR PLACEMENT.
22. ALL SERVICE UTILITIES TO BE INSTALLED IN APPROVED CONDUIT WHERE LINES SHALL BE LOCATED UNDER BUILDING /CONCRETE APRON AND SHALL EXTEND AWAY FROM CONCETE APRON A MINIMUM OF FIVE FEET.
23. STORM SEWER PIPE SHALL BE HIGH DENSITY POLYETHELENE SMOOTH INTERIOR PIPE CONFORMING TO THE CURRENT AASHTO M294 TYPE S STANDARDS, EXCEPT WHERE CALLED DUT.
24. GRADING SURROUNDING DRAINAGE STRUCTURES SHALL HAVE A UNIFORM SLOPE FROM LAST GIVEN ELEVATION TO THE CATCH BASIN OR DRAIN INLET.
25. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY WITH EXISTING CONTOURS.
26. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE CONTRACT LIMIT LINE DUE TO CONSTRUCTION. ALL WORK MUST BE IN ACCORDANCE WITH LOCAL AND/OR STATE CODES AND REGULATIONS.
27. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND RELATIONS TO OTHER WORK BEFORE FABRICATION AND/OR INSTALLATION.
28. CONTRACTOR SHALL INSURE ALL SURFACES DRAIN PROPERLY.
29. BEFORE COMMENCING WITH WORK AND DURING CONSTRUCTION, CONTACT UTILITY COMPANIES TO LOCATE EXISTING UNDERGROUND UTILITIES.
30. SITE PAVEMENT SHALL SLOPE UNIFORMLY FROM LAST GIVEN GRADE TO PAVEMENT AT BUILDING UNLESS NOTED OTHERWISE.
31. ALL DISTRUBED AREA TO BE SEEDED AND MULCHED AS PER SEEDING CHART ON SHEET 4 OF 4.

"HOLEY MOLEY" DON'T DIG BLIND!

BEFORE YOU DIG

CONTACT THE OHIO UTILITIES PROTECTION SERVICE (O.U.P.S.) 1-800-362-2764; TWO WORKING DAYS BEFORE BREAKING GROUND TO NOTIFY ALL O.U.P.S. MEMBERS OF THE TIME, DATE, AND LOCATION OF THE PROJECT.

STAMP: STATE OF OHIO Bernard C Petro 46865 REGISTERED PROFESSIONAL ENGINEER

DRAWN BY:	GWB
CHECKED BY:	DJC
JOB NO:	06-031
FILE NO:	site plan.dwg

NOTICE:
THIS ENGINEERING DRAWING IS GIVEN IN CONFIDENCE. NO USE OR DISSEMINATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER ALL RIGHTS ARE HEREBY SPECIFICALLY RESERVED SILVER OAK ENGINEERING CO.

DATE 28 NOV 2006

REVISIONS
1. 10 DEC 2006
2. 2 Jan 2007 per City of Massillon

Scale 1"= 20'

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SITE UTILITY PLAN
EMSCO COPORATION
CITY OF MASSILLON
STARK COUNTY, OHIO

DRAWING NO.
3 of 5