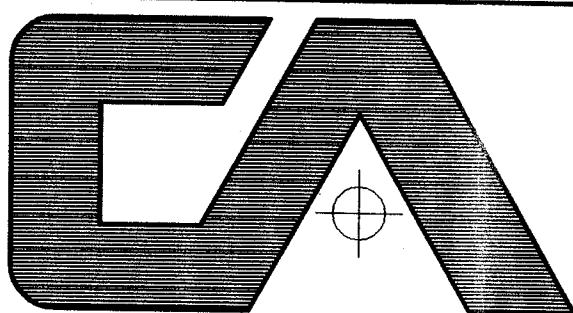
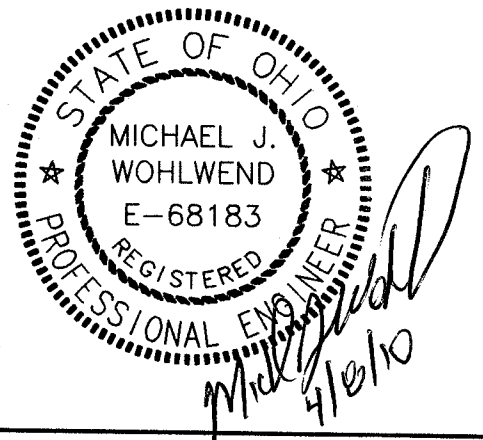


CVS PHARMACY
NWC LINCOLN WAY EAST AND WALES ROAD
CITY OF MASSILLON
COUNTY OF STARK, STATE OF OHIO



CAMPBELL & ASSOCIATES, INC.
Surveying Engineering
(330) 945-4117
1923 Bailey Road Suite A
Cuyahoga Falls, Ohio 44221
WWW.CAMPBELLSURVEY.COM

SEAL:



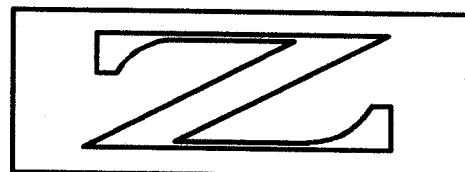
CVS/
pharmacy

STORE NUMBER: 8248

NWC LINCOLN WAY EAST AND WALES ROAD
MASSILLON, OHIO (STARK COUNTY)

DEAL TYPE:

DEVELOPER: 14800 DETROIT AVENUE
LAKEWOOD, OHIO 44107
(216) 221-6600



ZAREMBA GROUP

REVISIONS:
BID SET 2010-02-08
ADDENDUM A 2010-02-26
BULLETIN B2 2010-04-06

LAYOUT COORD:

PLANNING MGR:

DRAWING BY: JUF

DATE: 2010-01-11

JOB NUMBER: 20090146

TITLE:

TITLE SHEET

SHEET NUMBER:

C-1

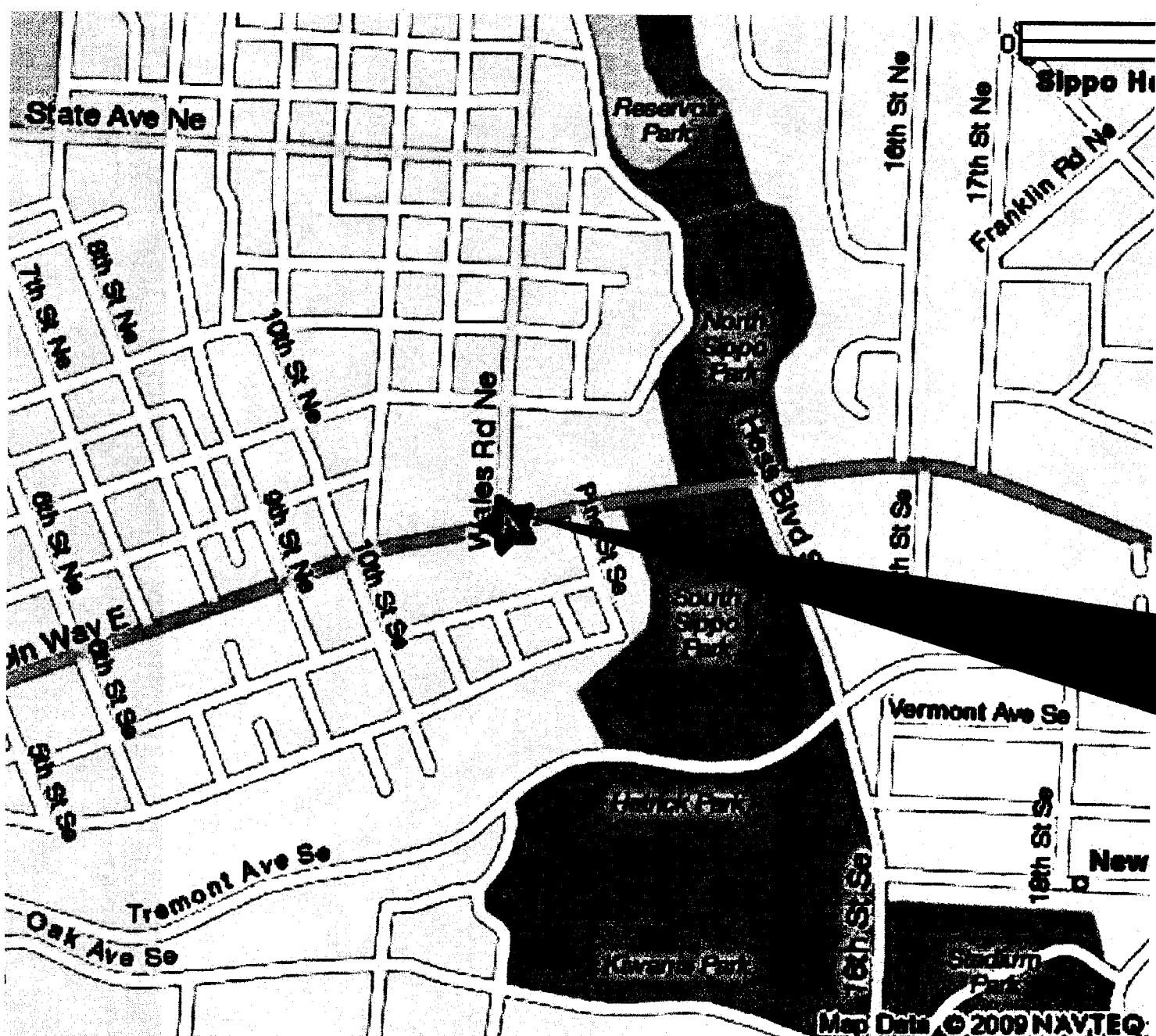
COMMENTS:

OEPA STORM WATER GENERAL PERMIT NUMBER: 3GC04846*AG

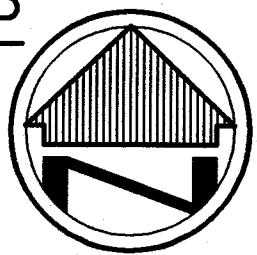
APPROVALS

APPROVED BY THE MASSILLON CITY ENGINEER THIS 9th DAY
OF APRIL, 2010.

KEITH A. DYLEWSKI, PE DATE



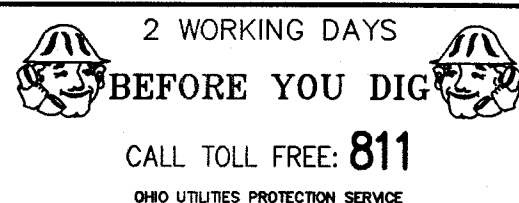
SITE CONTEXT MAP
NOT TO SCALE



INDEX OF SHEETS:

TITLE SHEET	C-1
ALTA SURVEY	C-1A
DEMOLITION AND EXISTING CONDITIONS PLAN	C-2
SITE PLAN	C-3
UTILITY PLAN	C-4
PAVING, GRADING, DRAINAGE PLAN	C-5
SWP3 PLAN	C-6
SWP3 DETAILS	C-7
CONSTRUCTION DETAILS	C-8 THRU C-10
LANDSCAPE PLAN (BY OTHERS)	L-1
IRRIGATION PLAN (BY OTHERS)	I-1 THRU I-2

THIS PROJECT IS LOCATED IN FLOOD ZONE C



UTILITY SOURCES

GAS:
DOMINION EAST OHIO
DENIS KULP
330-664-2439

WATER:
AQUA OHIO, INC.
DONALD SNYDER
330-832-7600, EXT. 205
STARK REGIONAL DIVISION
870 THIRD STREET, NW
MASSILLON, OH 44647-4206

ELECTRIC:
OHIO EDISON - FIRST ENERGY
KEVIN S. MCCLUSKY
330-830-7085
MASSILLON SERVICE BUILDING
2600 ERIE STREET, SOUTH
MASSILLON, OH 44646

TELEPHONE:
AT&T
THOMAS HOBART
330-384-2078

MASSILLON BUILDING DEPARTMENT:
WILLIAM L. KRAFT
151 LINCOLN WAY EAST
MASSILLON, OH 44646
330-830-1724

SANITARY AND STORM SEWER
MASSILLON ENGINEERING DEPARTMENT
KEITH DYLEWSKI, PE
330-830-1722

CAMPBELL & ASSOCIATES, INC.
 Surveying Engineering
 (330) 945-4117
 1923 Bailey Road Suite A
 Cuyahoga Falls, Ohio 44221
 WWW.CAMPBELLSURVEY.COM

SEAL:

STATE OF OHIO
 MICHAEL J. WOHLWEND
 E-68183
 REGISTERED PROFESSIONAL ENGINEER

CVS/
 pharmacy

STORE NUMBER: 8248
 NWC LINCOLN WAY EAST AND WALES ROAD
 MASSILLON, OHIO (STARK COUNTY)

DEAL TYPE:

DEVELOPER: 14600 DETROIT AVENUE
 LAKEWOOD, OHIO 44107
 (216) 221-6600

ZAREMBA GROUP

REVISIONS:

BID SET	2010-02-08
ADDENDUM	2010-02-26
BULLETIN	2010-04-06

LAYOUT COORD:
 PLANNING MGR.
 DRAWING BY: JUF
 DATE: 2010-01-11
 JOB NUMBER: 20090146
 TITLE:
DEMOLITION AND EXISTING CONDITIONS PLAN
 SHEET NUMBER:

C-2

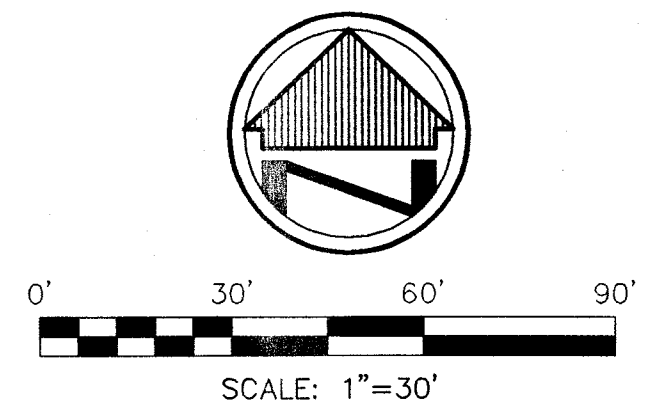
COMMENTS:

BASIS OF BEARINGS

THE BASIS FOR BEARINGS IS GRID NORTH, OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE. NAD83 (1986)

SURVEY DATA USED

HISTORICAL AND PRESENT TAX MAPS
 DEEDS AS SHOWN
 LOT CONSOLIDATION MAP FOR TACO BELL DATED 2001, PLAT VOL. 69, PG. 114
 DEED VOL. 555, PG. 344 DATED 1913
 DEED VOL. 232, PG. 301 DATED 1887



BENCH MARK - BM

TOP OF 5/8" REBAR WITH RED CAP MARKED "TRAV"
 LOCATED 77 FEET WEST OF SOUTHERLY EXTENSION OF WALES AVENUE, 7 FEET SOUTH OF SOUTH CURB OF LINCOLN WAY. ELEVATION = 1120.45 NGVD88

LEGEND

- (REC) - RECORD
 CALC. - CALCULATED
 OBS. - OBSERVED
- P.O.B. - PLACE OF BEGINNING
 N.D. - NO RECORD DISTANCE
- - MONUMENT FOUND, SIZE & TYPE AS INDICATED
 ○ - 5/8" REBAR, 30 INCHES IN LENGTH, WITH I.D. CAP CBA SET
 △ - P.K. (MASONRY) NAIL SET
 --- - OVERHEAD WIRES
- ⊕ - POWER POLE
 ⊙ - LIGHT POLE
 ⊗ - TELEPHONE POLE
 ⊖ - HYDRANT
 ⊕ - CATCH BASIN
 ⊕ - WATER METER
 ⊕ - WATER VALVE
 ⊕ - FENCE
- ⊕ - GAS VALVE
 ⊕ - GAS LINE MARKER
 ⊕ - POST (BOLLARD)
 ⊕ - HANDICAP SPACE
 ⊕ - SIGN
- R/W - RIGHT-OF-WAY
 ⊕ - STORM MANHOLE
 ⊕ - SANITARY MANHOLE
 ⊕ - ELECTRIC METER
 ⊕ - ELECTRIC BOX
 ⊕ - CENTERLINE

INVERT DATA

EX CB1 T/C 1018.82 INV. 1017.46	EX CB3 T/C 1019.67 INV. 1017.87
EX CB2 T/C 1019.78 INV. 12" (E) 1017.43 INV. 20" (S) 1017.36	EX CB4 T/C 1020.36 INV. 6" (N) 1017.76 INV. 12" (W) 1017.76 INV. 18" (S) 1017.76

5' WALK (BY OTHERS). EXISTING WALK, DRIVE APRONS, AND PORTIONS OF PARKING LOTS WITHIN AREA OF WALES WIDENING TO BE REMOVED BY OTHERS UP TO RIGHT-OF-WAY LINE.

2 WORKING DAYS
BEFORE YOU DIG
 CALL TOLL FREE: 811
 OHIO UTILITIES PROTECTION SERVICE

KEYED NOTES

- | | |
|--|--|
| A - REMOVE BUILDING, SEE NOTE 1 THIS SHEET FOR MORE INFORMATION. | N - REMOVE UNDERGROUND WATER SERVICES, COORDINATE WITH UTILITY OWNER. |
| B - REMOVE EX. CONCRETE PAVEMENT/SIDEWALK ACCORDING TO ODOT ITEM 202. EXCAVATION AND/OR BACKFILL FOR NEW PAVEMENT SHALL BE PERFORMED ACCORDING TO ODOT ITEM 203 AND GEOTECH REPORT. SAWCUT EDGES NEATLY AT REMAINING PAVEMENT. | O - REMOVE EXISTING SIGN. |
| C - REMOVE EX. ASPHALT PAVEMENT ACCORDING TO ODOT ITEM 202. EXCAVATION AND/OR BACKFILL FOR NEW PAVEMENT SHALL BE PERFORMED ACCORDING TO ODOT ITEM 203 AND GEOTECH REPORT. SAWCUT EDGES NEATLY AT REMAINING PAVEMENT. | P - REMOVE EXISTING LIGHT POLE. |
| D - COORDINATE REMOVAL OF EXISTING UTILITY POLE WITH ELECTRIC COMPANY. | Q - EXISTING STREET LIGHT POLE TO REMAIN, DO NOT DISTURB. |
| E - ENSURE ELECTRICAL SERVICE TO HOUSE AT NORTHWEST CORNER OF PROPERTY IS NOT DISTURBED. | R - BACKFILL EXISTING BASEMENT PER NOTE 1 THIS SHEET. |
| F - COORDINATE REMOVAL OF EXISTING OVERHEAD UTILITIES WITH ELECTRIC COMPANY. | S - REMOVE EXISTING 6" STORM DRAIN. |
| G - REMOVE UNDERGROUND GAS SERVICE, COORDINATE WITH UTILITY OWNER. | T - REMOVE EXISTING CATCH BASIN AND 6" DRAIN TO THE NORTH, REPLACE WITH PROPOSED MANHOLE, SEE SHEET C-4 FOR PROPOSED WORK. |
| H - REMOVE EXISTING CATCH BASIN. | U - REMOVE SIDEWALK TAPER INSTALLED DURING WALES ROAD WIDENING. (WALES ROAD WIDENING PROJECT BY OTHERS) |
| I - REMOVE EXISTING STORM PIPE TO PROPERTY LINE. CAP AND PLUG LINE AT PROPERTY LINE. | V - EXISTING UTILITY POLE TO BE RELOCATED (BY OTHERS) |
| J - REMOVE EXISTING STORM PIPE. | W - REMOVAL OF EXISTING LIGHTPOLE (BY OTHERS) |
| K - EXISTING CATCH BASIN TO REMAIN. PLUG ALL HOLES IN EXISTING CATCH BASIN NOT TO BE REUSED. | X - EXISTING DRIVEWAY APRON TO BE REMOVED (BY OTHERS). |
| L - REMOVE EX. CONC. CURB ACCORDING TO ODOT ITEM 202. EXCAVATION AND/OR BACKFILL FOR NEW PAVEMENT SHALL BE PERFORMED ACCORDING TO ODOT ITEM 203. SAWCUT EDGES NEATLY AT REMAINING PAVEMENT. | Y - REMOVE EXISTING WALL PER ODOT ITEM 202. |
| M - ALL OFFSITE WORK REQUIRES A TEMPORARY WORK EASEMENT WITH ADJACENT PROPERTY OWNER. NO OFFSITE WORK SHALL COMMENCE UNTIL TEMPORARY WORK EASEMENT IS OBTAINED. | Z - REMOVE LANDSCAPING (BY OTHERS) |
| | AA - 5 FOOT STRIP OF EXISTING ASPHALT TO REMAIN ALONG PROPERTY LINE BEHIND PROPOSED FENCE. |
| | BB - REMOVE EXISTING FENCE AS NECESSARY TO INSTALL PROPOSED FENCE. |

DEMOLITION NOTES

- REMOVE BUILDINGS IN THEIR ENTIRETY ACCORDING TO ODOT ITEM 202. REMOVAL OF STRUCTURES AND OBSTRUCTIONS. BACKFILL ANY EXCAVATIONS ACCORDING TO ODOT ITEM 203 - EXCAVATION AND EMBANKMENT WITH GRANULAR BACKFILL MEETING ODOT ITEM 310 - SUBBASE. REMOVE AND ABANDON AS REQUIRED ALL EXISTING SERVICES (WATER SERVICE, SANITARY SERVICE, GAS SERVICE, ELECTRIC SERVICE, TELEPHONE TELEPHONE SERVICE, AND CABLE SERVICE) TO MEET LOCAL REGULATIONS OF EACH UTILITY COMPANY. REMOVAL SHALL BE MADE TO THE STREET RIGHT OF WAY LINE OR OTHER LOCATION AS SHOWN ON PLANS. THE GENERAL CONTRACTOR SHALL REMOVE AND COORDINATE THE REMOVAL OF THESE LINES WITH THE UTILITY COMPANY INVOLVED.
- ANY AND ALL UTILITY APPURTENANCES THAT NEED TO BE REMOVED OR RELOCATED BY THE RESPECTIVE UTILITY COMPANIES ARE TO BE COORDINATED BY THE GENERAL CONTRACTOR.
- THE EXISTING UNDERGROUND UTILITIES AS SHOWN ARE OBTAINED FROM A COMBINATION OF FIELD LOCATION AND RECORD INFORMATION OBTAINED FROM THE RESPECTIVE UTILITY COMPANIES, WHERE PROVIDED. THESE UTILITIES, THEIR LOCATION AND THEIR ACTIVE OR INACTIVE STATUS, SHOULD BE VERIFIED BY CONTACTING THE OHIO UTILITY PROTECTION SERVICE (O.U.P.S.), PRIOR TO CONSTRUCTION. LOCATION, SIZE, DEPTH, AND STATUS OF USE ARE SHOWN AS ACCURATE AS POSSIBLE WITH THE AVAILABLE DATA.
- BUILDING SANITARY SEWER TO BE CUT AND CAPPED AT RIGHT-OF-WAY LINE CONTACT CITY OF MASSILLON ENGINEERING DEPARTMENT FOR PERMIT AND INSPECTION REQUIREMENTS.
- EXISTING WALKS, DRIVE APRONS, AND PORTIONS OF PARKING LOTS WITHIN AREA OF WALES ROAD WIDENING PROJECT'S PROPOSED SIDEWALK WORK TO BE REMOVED BY OTHERS UP TO RIGHT-OF-WAY LINE.

CONSTRUCTION FENCE
 INSTALL CONSTRUCTION FENCING AROUND ENTIRE SITE PRIOR TO COMMENCING DEMOLITION PER CITY OF MASSILLON REQUIREMENTS.

- CONCRETE TO BE REMOVED (B)
 ASPHALT PAVEMENT TO BE REMOVED (C)

NOTE:

THE 10 FOOT ALLEY IS SHOWN ON CURRENT TAX MAPS AS BEING PUBLIC. THIS ALLEY IS REFERRED TO AS BEING A PRIVATE ALLEY PER TRACT V1, PARCEL 1, OF DEED TO DOUGLAS J. LAB, O.R. 200009139, STARK CO. RECORDER'S RECORDS AND VOL. 555, PG. 344. DEDICATION NOT FOUND.

1:12000 120301046 - CVS Massillon Current Drawings 120301046 CVS Massillon Bulletin 2 2010-03-24.dwg, 4/6/2010 10:19:55 AM, jfranchetti

11th STREET NE - 60'

N 04°22'35" E
296.34' REC. & USED

N 04°22'35"

3/4" PIPE
FOUND 0.58' E 115.00' REC. & USED

N 01°40'49"

N 01°40'49"

N 01°40'49"

FOUND 0.17' E

TACO BELL

Ex. Taco Bell

TACO BELL
parking lot

DRILL HOLE IN WALK
FOUND 0.2' S. &
USED E-W

172.31' CALC.

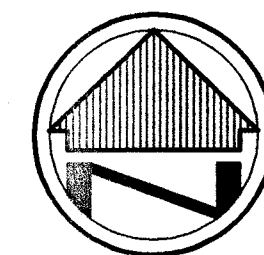
LINCOLN WAY EAST - 100' R/W, S.R.172

BM ●

WALES ROAD NE- 60' S.R.241
FORMERLY FRONT STREET

BENCH MARK - BM

TOP OF 5/8" REBAR WITH RED CAP MARKED "TRAV"
LOCATED 77 FEET WEST OF SOUTHERLY EXTENSION OF
WALES AVENUE, 7 FEET SOUTH OF SOUTH CURB OF
LINCOLN WAY. ELEVATION = 1120.45 NGVD88



0' 30' 60' 90'
SCALE: 1"=30'

BASIS OF BEARINGS

THE BASIS FOR BEARINGS IS GRID NORTH, OHIO STATE
PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83 (1986)

SURVEY DATA USED

HISTORICAL AND PRESENT TAX MAPS
DEEDS AS SHOWN
LOT CONSOLIDATION MAP FOR TACO BELL DATED 2001,
PLAT VOL. 69, PG. 114
DEED VOL. 555, PG. 344 DATED 1913
DEED VOL. 232, PG. 301 DATED 1887

KEYED NOTES

- 1 - INSTALL INTEGRAL CURB AND WALK. SEE DETAIL SHEET C-8.
SEE SHEET C-5 FOR CURB HEIGHT.
- 2 - DUMPSTER/COMPACTOR ENCLOSURE, SEE ARCH. PLANS FOR DETAILS.
- 3 - SIDEWALK TO BE FLUSH WITH PAVEMENT, INSTALL DETECTABLE
PAVERS, SEE DETAIL SHEET C-9.
- 4 - INSTALL HANDICAP & VAN ACCESSIBLE SIGNS, TYPICAL 2 PLACES.
SEE DETAIL SHEET C-8.
- 5 - INSTALL HANDICAP SIGNS, TYPICAL 1 PLACE. SEE DETAIL SHEET C-8.
- 6 - PAVEMENT STRIPING SHALL BE WHITE, 4" WIDE PER ODOT ITEM 640.
- 7 - INSTALL HANDICAP PAVEMENT MARKING, TYPICAL 3 PLACES.
SEE DETAIL SHEET C-8.
- 8 - INSTALL ASPHALT PAVEMENT, SEE DETAIL SHEET C-8.
- 9 - INSTALL CONCRETE TYPE 6 CURBING, SEE DETAIL SHEET C-8.
- 10 - 4" WIDE WHITE DIRECTIONAL ARROWS, & "PRESCRIPTION PICKUP"
MARKINGS, PER ODOT ITEM 640, AS SHOWN ON PLAN.
- 11 - INSTALL CONCRETE PAVEMENT/APRON, SEE DETAIL SHEET C-8.
- 12 - "DO NOT ENTER" AND "STOP" SIGNAGE MOUNTED ON SAME POLE
BACK TO BACK, TYPICAL 2 PLACES, SEE DETAIL SHEET C-9.
- 13 - INSTALL MONUMENT SIGN, SEE SIGN VENDOR AND ARCHITECTURAL
PLANS FOR DETAILS.
- 14 - TAPER END OF CURB FROM 6" TO 0" IN 2'.
- 15 - TAPER CURB REVEAL FROM 6" TO 0" IN 18'.
- 16 - INSTALL 5' WIDE SIDEWALK, PER CITY OF MASSILLON SPECIFICATIONS. SEE DETAIL SHEET C-8 AND TYPICAL SECTION ON SHEET C-10.
- 17 - INSTALL ODOT TYPE 6 CURB, PER CITY OF MASSILLON SPECIFICATIONS. SEE DETAIL SHEET C-8 AND TYPICAL SECTION ON SHEET C-10.
REPLACE PAVEMENT AS NECESSARY. EXISTING PAVEMENT SHALL BE CUT IN NEAT, STRAIGHT LINES.
- 18 - INSTALL DROP CURB FOR PROPOSED CVS ENTRANCE PER CITY OF MASSILLON STANDARDS.
- 19 - INSTALL PARKING STOP, SEE DETAIL SHEET C-8 (5 TYPICAL)
- 20 - INSTALL PRIVACY FENCE, SEE DETAIL SHEET C-8. FENCE TO BE OFFSET FROM PROPERTY LINE 5.0'.
- 21 - PROVIDE NEAT AND EVEN JOINT BETWEEN PROPOSED ASPHALT AND EXISTING CONCRETE PAVEMENT.
- 22 - INSTALL BOLLARD, SEE DETAIL SHEET C-8. (4 TYPICAL)
- 23 - INSTALL CONCRETE DRIVE APRON AND 9" THICK SIDEWALK PER DETAIL SHEET C-10 AND CITY OF MASSILLON SPECIFICATIONS.
- 24 - INSTALL HANDICAP RAMP TYPE A1 WITH DETECTABLE WARNING PAVERS, SEE DETAIL SHEET C-9. PROVIDE CURB CUT FOR PROPOSED RAMP
PER CITY OF MASSILLON SPECIFICATIONS.
- 25 - INSTALL PROPOSED FENCE TO MATCH FENCE ON ADJOINER'S PROPERTY. FENCE TO BE 1' OFFSET FROM PROPERTY LINE AS SHOWN ON
PLANS. THE PROPOSED FENCE INTO EXISTING FENCE ON ADJOINER'S PROPERTY.
- 26 - "DO NOT ENTER" SIGN MOUNTED ON POLE, SEE DETAIL SHEET C-9.

LEGEND

- REC. - RECORD DISTANCE
OR ANGLE
CAL. - CALCULATED DISTANCE
OR ANGLE
OBS. - OBSERVED DISTANCE
OR ANGLE
T.P.O.B. - TRUE PLACE OF
BEGINNING
P.O.B. - PLACE OF BEGINNING
■ - MONUMENT BOX
● - MONUMENT FOUND, SIZE
& TYPE AS INDICATED.
○ - 5/8" REBAR, 30 INCHES
IN LENGTH, WITH I.D. CAP
& A SET.
△ - P.K.(MASONRY) NAIL SET
+ - SIGN
R/W - RIGHT-OF-WAY
E/P - EXISTING EDGE OF PAVEMENT
— - PROPERTY LINE
— - CENTERLINE
— - POWER POLE
— - LIGHT POLE
— - TELEPHONE/POWER POLE
— - POST

NOTES:

- VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS
- ALL DIMENSIONS ARE THE THE FACE OF CURB/BUILDING, UNLESS NOTED.
- SEE ARCHITECTURAL PLANS FOR COMPACTOR AND TRASH ENCLOSURE DETAILS.
- SEE SHEET L-1 FOR FULL LANDSCAPING PLAN.
- SEE SHEET C-10 FOR TYPICAL SECTIONS OF PUBLIC RIGHT-OF-WAY IMPROVEMENTS.

PROJECT DATA

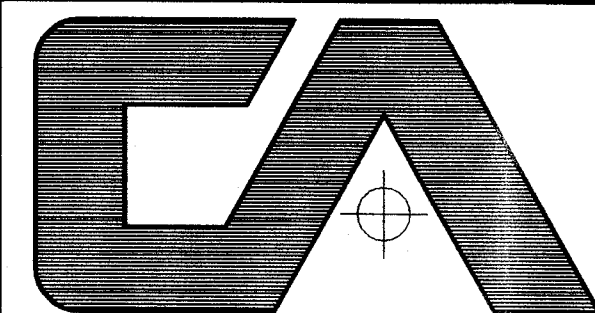
TOTAL SITE AREA	1.934 ACRES
TOTAL CVS BUILDING SF	CVS = 13,225 SF PROTO W/O CHAMFER (ACTUAL 13,540 SF)
TOTAL PARKING REQUIRED	66 SPACES (1 SPACES/200 SF) CODE 1183.01
TOTAL PARKING PROVIDED	75 AS SHOWN

CURB RADII DIMENSIONS

ALL CURB RADII NOT EXPLICITLY DIMENSIONED ON THIS PLAN
ARE TO BE CONSTRUCTED WITH A 3' RADIUS.

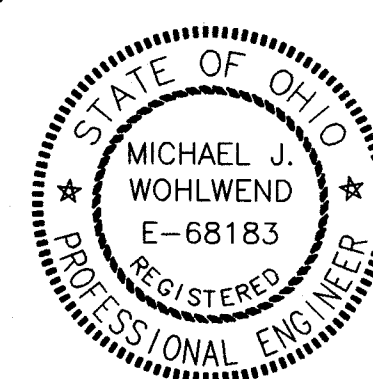
NOTE:

THE 10 FOOT ALLEY IS SHOWN ON CURRENT TAX MAPS AS BEING PUBLIC.
THIS ALLEY IS REFERRED TO AS BEING A PRIVATE ALLEY PER TRACT VII,
PARCEL 1, OF DEED TO DOUGLAS J. LAB, O.R. 200009139, STARK CO.
RECORDER'S RECORDS AND VOL. 555, PG. 344. DEDICATION NOT FOUND.



CAMPBELL & ASSOCIATES, INC.
Surveying Engineering
(330) 945-4117
1923 Bailey Road Suite A
Cuyahoga Falls, Ohio 44221
WWW.CAMPBELLSURVEY.COM

SEAL:



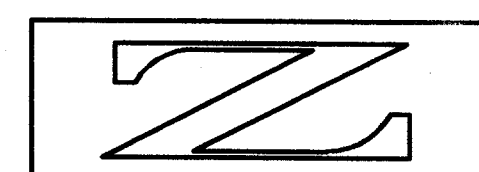
CVS/
pharmacy

STORE NUMBER: 8248

NWC LINCOLNWAY EAST AND WALES ROAD
MASSILLON, OHIO (STARK COUNTY)

DEAL TYPE:

DEVELOPER: 14600 DETROIT AVENUE
LAKEWOOD, OHIO 44107
(216) 221-6800



ZAREMBA GROUP

REVISIONS:

BID SET	2010-02-08
ADDENDUM	2010-02-26
BULLETIN	2010-04-06

LAYOUT COORD:

PLANNING MGR.

DRAWING BY:

JJF

DATE:

2010-01-11

JOB NUMBER:

20090146

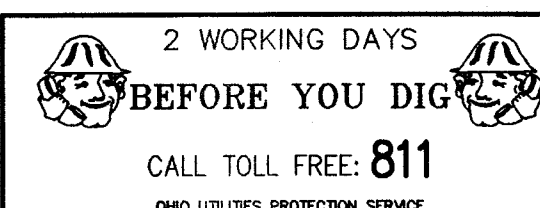
TITLE:

SITE PLAN

SHEET NUMBER:

C-3

COMMENTS:



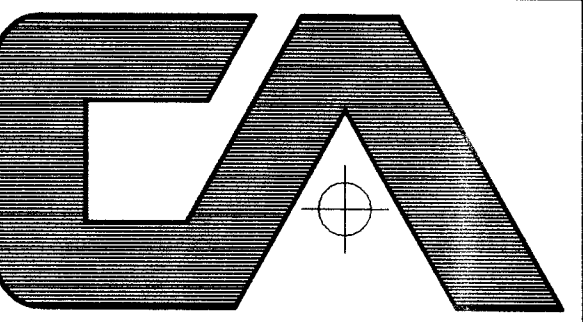
2 WORKING DAYS

BEFORE YOU DIG

CALL TOLL FREE: 811

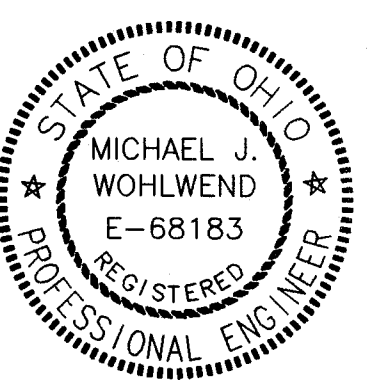
OHIO UTILITIES PROTECTION SERVICE





CAMPBELL & ASSOCIATES, INC.
Surveying Engineering
(330) 945-4117
1923 Bailey Road Suite A
Cuyahoga Falls, Ohio 44221
WWW.CAMPBELLSURVEY.COM

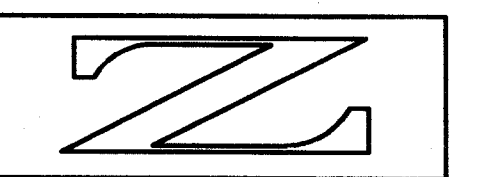
SEAL:



CVS/
pharmacy

STORE NUMBER: 8248
NWC LINCOLNWAY EAST AND WALES ROAD
MASSILLON, OHIO (STARK COUNTY)
DEAL TYPE:

DEVELOPER: 14600 DETROIT AVENUE
LAKEWOOD, OHIO 44107
(216) 221-6800



ZAREMBA GROUP

REVISIONS:

BID SET	2010-02-08
ADDENDUM	2010-02-26
BULLETIN	2010-04-06

LAYOUT COORD:

PLANNING MGR.

DRAWING BY: JUF

DATE: 2010-01-11

JOB NUMBER: 20090146

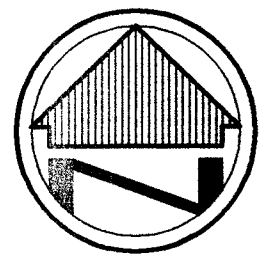
TITLE:

**PAVING, GRADING
DRAINAGE PLAN**

SHEET NUMBER:

C-5

COMMENTS:



0' 30' 60' 90'
SCALE: 1"=30'

BASIS OF BEARINGS

THE BASIS FOR BEARINGS IS GRID NORTH, OHIO STATE
PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83 (1986)

SURVEY DATA USED

HISTORICAL AND PRESENT TAX MAPS
DEEDS AS SHOWN
LOT CONSOLIDATION MAP FOR TACO BELL DATED 2001,
PLAT VOL. 69, PG. 114
DEED VOL. 555, PG. 344 DATED 1913
DEED VOL. 232, PG. 301 DATED 1887

LEGEND

- MONUMENT FOUND, SIZE & TYPE AS INDICATED
- 5/8" REBAR, 30 INCHES IN LENGTH, WITH I.D. CAP C&A SET
- P.K. (MASONRY) NAIL SET
- CENTERLINE
- PROPERTY LINE
- RIGHT-OF-WAY
- EX. CATCH BASIN
- EX. STORM MANHOLE
- PROP. CATCH BASIN
- PROP. STORM MANHOLE
- 1098 - PROP. CONTOUR ELEV.
- 1105 - EX. CONTOUR

1045.0
1035.0
1030.0
1025.0
1020.0
1015.0
1010.0
1005.0
1000.0
995.0
990.0
985.0
980.0
975.0
970.0
965.0
960.0
955.0
950.0
945.0
940.0
935.0
930.0
925.0
920.0
915.0
910.0
905.0
900.0
895.0
890.0
885.0
880.0
875.0
870.0
865.0
860.0
855.0
850.0
845.0
840.0
835.0
830.0
825.0
820.0
815.0
810.0
805.0
800.0
795.0
790.0
785.0
780.0
775.0
770.0
765.0
760.0
755.0
750.0
745.0
740.0
735.0
730.0
725.0
720.0
715.0
710.0
705.0
700.0
695.0
690.0
685.0
680.0
675.0
670.0
665.0
660.0
655.0
650.0
645.0
640.0
635.0
630.0
625.0
620.0
615.0
610.0
605.0
600.0
595.0
590.0
585.0
580.0
575.0
570.0
565.0
560.0
555.0
550.0
545.0
540.0
535.0
530.0
525.0
520.0
515.0
510.0
505.0
500.0
495.0
490.0
485.0
480.0
475.0
470.0
465.0
460.0
455.0
450.0
445.0
440.0
435.0
430.0
425.0
420.0
415.0
410.0
405.0
400.0
395.0
390.0
385.0
380.0
375.0
370.0
365.0
360.0
355.0
350.0
345.0
340.0
335.0
330.0
325.0
320.0
315.0
310.0
305.0
300.0
295.0
290.0
285.0
280.0
275.0
270.0
265.0
260.0
255.0
250.0
245.0
240.0
235.0
230.0
225.0
220.0
215.0
210.0
205.0
200.0
195.0
190.0
185.0
180.0
175.0
170.0
165.0
160.0
155.0
150.0
145.0
140.0
135.0
130.0
125.0
120.0
115.0
110.0
105.0
100.0
95.0
90.0
85.0
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
-10.0
-15.0
-20.0
-25.0
-30.0
-35.0
-40.0
-45.0
-50.0
-55.0
-60.0
-65.0
-70.0
-75.0
-80.0
-85.0
-90.0
-95.0
-100.0
-105.0
-110.0
-115.0
-120.0
-125.0
-130.0
-135.0
-140.0
-145.0
-150.0
-155.0
-160.0
-165.0
-170.0
-175.0
-180.0
-185.0
-190.0
-195.0
-200.0
-205.0
-210.0
-215.0
-220.0
-225.0
-230.0
-235.0
-240.0
-245.0
-250.0
-255.0
-260.0
-265.0
-270.0
-275.0
-280.0
-285.0
-290.0
-295.0
-300.0
-305.0
-310.0
-315.0
-320.0
-325.0
-330.0
-335.0
-340.0
-345.0
-350.0
-355.0
-360.0
-365.0
-370.0
-375.0
-380.0
-385.0
-390.0
-395.0
-400.0
-405.0
-410.0
-415.0
-420.0
-425.0
-430.0
-435.0
-440.0
-445.0
-450.0
-455.0
-460.0
-465.0
-470.0
-475.0
-480.0
-485.0
-490.0
-495.0
-500.0
-505.0
-510.0
-515.0
-520.0
-525.0
-530.0
-535.0
-540.0
-545.0
-550.0
-555.0
-560.0
-565.0
-570.0
-575.0
-580.0
-585.0
-590.0
-595.0
-600.0
-605.0
-610.0
-615.0
-620.0
-625.0
-630.0
-635.0
-640.0
-645.0
-650.0
-655.0
-660.0
-665.0
-670.0
-675.0
-680.0
-685.0
-690.0
-695.0
-700.0
-705.0
-710.0
-715.0
-720.0
-725.0
-730.0
-735.0
-740.0
-745.0
-750.0
-755.0
-760.0
-765.0
-770.0
-775.0
-780.0
-785.0
-790.0
-795.0
-800.0
-805.0
-810.0
-815.0
-820.0
-825.0
-830.0
-835.0
-840.0
-845.0
-850.0
-855.0
-860.0
-865.0
-870.0
-875.0
-880.0
-885.0
-890.0
-895.0
-900.0
-905.0
-910.0
-915.0
-920.0
-925.0
-930.0
-935.0
-940.0
-945.0
-950.0
-955.0
-960.0
-965.0
-970.0
-975.0
-980.0
-985.0
-990.0
-995.0
-1000.0
-1005.0
-1010.0
-1015.0
-1020.0
-1025.0
-1030.0
-1035.0
-1040.0
-1045.0
-1050.0
-1055.0
-1060.0
-1065.0
-1070.0
-1075.0
-1080.0
-1085.0
-1090.0
-1095.0
-1100.0
-1105.0
-1110.0
-1115.0
-1120.0
-1125.0
-1130.0
-1135.0
-1140.0
-1145.0
-1150.0
-1155.0
-1160.0
-1165.0
-1170.0
-1175.0
-1180.0
-1185.0
-1190.0
-1195.0
-1200.0
-1205.0
-1210.0
-1215.0
-1220.0
-1225.0
-1230.0
-1235.0
-1240.0
-1245.0
-1250.0
-1255.0
-1260.0
-1265.0
-1270.0
-1275.0
-1280.0
-1285.0
-1290.0
-1295.0
-1300.0
-1305.0
-1310.0
-1315.0
-1320.0
-1325.0
-1330.0
-1335.0
-1340.0
-1345.0
-1350.0
-1355.0
-1360.0
-1365.0
-1370.0
-1375.0
-1380.0
-1385.0
-1390.0
-1395.0
-1400.0
-1405.0
-1410.0
-1415.0
-1420.0
-1425.0
-1430.0
-1435.0
-1440.0
-1445.0
-1450.0
-1455.0
-1460.0
-1465.0
-1470.0
-1475.0
-1480.0
-1485.0
-1490.0
-1495.0
-1500.0
-1505.0
-1510.0
-1515.0
-1520.0
-1525.0
-1530.0
-1535.0
-1540.0
-1545.0
-1550.0
-1555.0
-1560.0
-1565.0
-1570.0
-1575.0
-1580.0
-1585.0
-1590.0
-1595.0
-1600.0
-1605.0
-1610.0
-1615.0
-1620.0
-1625.0
-1630.0
-1635.0
-1640.0
-1645.0
-1650.0
-1655.0
-1660.0
-1665.0
-1670.0
-1675.0
-1680.0
-1685.0
-1690.0
-1695.0
-1700.0
-1705.0
-1710.0
-1715.0
-1720.0
-1725.0
-1730.0
-1735.0
-1740.0
-1745.0
-1750.0
-1755.0
-1760.0
-1765.0
-1770.0
-1775.0
-1780.0
-1785.0
-1790.0
-1795.0
-1800.0
-1805.0
-1810.0
-1815.0
-1820.0
-1825.0
-1830.0
-1835.0
-1840.0
-1845.0
-1850.0
-1855.0
-1860.0
-1865.0
-1870.0
-1875.0
-1880.0
-1885.0
-1890.0
-1895.0
-1900.0
-1905.0
-1910.0
-1915.0
-1920.0
-1925.0
-1930.0
-1935.0
-1940.0
-1945.0
-1950.0
-1955.0
-1960.0
-1965.0
-1970.0
-1975.0
-1980.0
-1985.0
-1990.0
-1995.0
-2000.0
-2005.0
-2010.0
-2015.0
-2020.0
-2025.0
-2030.0
-2035.0
-2040.0
-2045.0
-2050.0
-2055.0
-2060.0
-2065.0
-2070.0
-2075.0
-2080.0
-2085.0
-2090.0
-2095.0
-2100.0
-2105.0
-2110.0
-2115.0
-2120.0
-2125.0
-2130.0
-2135.0
-2140.0
-2145.0
-2150.0
-2155.0
-2160.0
-2165.0
-2170.0
-2175.0
-2180.0
-2185.0
-2190.0
-2195.0
-2200.0
-2205.0
-2210.0
-2215.0
-2220.0
-2225.0
-2230.0
-2235.0
-2240.0
-2245.0
-2250.0
-2255.0
-2260.0
-2265.0
-2270.0
-2275.0
-2280.0
-2285.0
-2290.0
-2295.0
-2300.0
-2305.0
-2310.0
-2315.0
-2320.0
-2325.0
-2330.0
-2335.0
-2340.0
-2345.0
-2350.0
-2355.0
-2360.0
-2365.0
-2370.0
-2375.0
-2380.0
-2385.0
-2390.0
-2395.0
-2400.0
-2405.0
-2410.0
-2415.0
-2420.0
-2425.0
-2430.0
-2435.0
-2440.0
-2445.0
-2450.0
-2455.0
-2460.0
-2465.0
-2470.0
-2475.0
-2480.0
-2485.0
-2490.0
-2495.0
-2500.0
-2505.0
-2510.0
-2515.0
-2520.0
-2525.0
-2530.0
-2535.0
-2540.0
-2545.0
-2550.0
-2555.0
-2560.0
-2565.0
-2570.0
-2575.0
-2580.0
-2585.0
-2590.0
-2595.0
-2600.0
-2605.0
-2610.0
-2615.0
-2620.0
-2625.0
-2630.0
-2635.0
-2640.0
-2645.0
-2650.0
-2655.0
-2660.0
-2665.0
-2670.0
-2675.0
-2680.0
-2685.0
-2690.0
-2695.0
-2700.0
-2705.0
-2710.0
-2715.0
-2720.0
-2725.0
-2730.0
-2735.0
-2740.0
-2745.0
-2750.0
-2755.0
-2760.0
-2765.0
-2770.0
-2775.0
-2780.0
-2785.0
-2790.0
-2795.0
-2800.0
-2805.0
-2810.0
-2815.0
-2820.0
-2825.0
-2830.0
-2835.0
-2840.0
-2845.0
-2850.0
-2855.0
-2860.0
-2865.0
-2870.0
-2875.0
-2880.0
-2885.0
-2890.0
-2895.0
-2900.0
-2905.0
-2910.0
-2915.0
-2920.0
-2925.0
-2930.0
-2935.0
-2940.0
-2945.0
-2950.0
-2955.0
-2960.0
-2965.0
-2970.0
-2975.0
-2980.0
-2985.0
-2990.0
-2995.0
-3000.0
-3005.0
-3010.0
-3015.0
-3020.0
-3025.0
-3030.0
-3035.0
-3040.0
-3045.0
-3050.0
-3055.0
-3060.0
-3065.0
-3070.0
-3075.0
-3080.0
-3085.0
-3090.0
-3095.0
-3100.0
-3105.0
-3110.0
-3115.0
-3120.0
-3125.0
-3130.0
-3135.0
-3140.0
-3145.0
-3150.0
-3155.0
-3160.0
-3165.0
-3170.0
-3175.0
-3180.0
-3185.0
-3190.0
-3195.0
-3200.0
-3205.0
-3210.0
-3215.0
-3220.0
-3225.0
-3230.0
-3235.0
-3240.0
-3245.0
-3250.0
-3255.0
-3260.0
-3265.0
-3270.0
-3275.0
-3280.0
-3285.0
-3290.0
-3295.0
-3300.0
-3305.0
-3310.0
-3315.0
-3320.0
-3325.0
-3330.0
-3335.0
-3340.0
-3345.0
-3350.0
-3355.0
-3360.0
-3365.0
-3370.0
-3375.0
-3380.0
-3385.0
-3390.0
-3395.0
-3400.0
-3405.0
-3410.0
-3415.0
-3420.0
-3425.0
-3430.0
-3435.0
-3440.0
-3445.0
-3450.0
-3455.0
-3460.0
-3465.0
-3470.0
-3475.0
-3480.0
-3485.0
-3490.0
-3495.0
-3500.0
-3505.0
-3510.0
-3515.0
-3520.0
-3525.0
-3530.0
-3535.0
-3540.0
-3545.0
-3550.0
-3555.0
-3560.0
-3565.0
-3570.0
-3575.0
-3580.0
-3585.0
-3590.0
-3595.0
-3600.0
-3605.0
-3610.0
-3615.0
-3620.0
-3625.0
-3630.0
-3635.0
-3640.0
-3645.0
-3650.0
-3655.0
-3660.0
-3665.0
-3670.0
-3675.0
-3680.0
-3685.0
-3690.0
-3695.0
-3700.0
-3705.0
-3710.0
-3715.0
-3720.0
-3725.0
-3730.0
-3735.0
-3740.0
-3745.0
-3750.0
-3755.0
-3760.0
-3765.0
-3770.0
-3775.0
-3780.0
-3785.0
-3790.0
-3795.0
-3800.0
-3805.0
-3810.0
-3815.0
-3820.0
-3825.0
-3830.0
-3835.0
-3840.0
-3845.0
-3850.0
-3855.0
-3860.0
-3865.0
-3870.0
-3875.0
-3880.0
-3885.0
-3890.0
-3895.0
-3900.0
-3905.0
-3910.0
-3915.0
-3920.0
-3925.0
-3930.0
-3935.0
-3940.0
-3945.0
-3950.0
-3955.0
-3960.0
-3965.0
-3970.0
-3975.0
-3980.0
-3985.0
-3990.0
-3995.0
-4000.0
-4005.0
-4010.0
-4015.0
-4020.0
-4025.0
-4030.0
-4035.0
-4040.0
-4045.0
-4050.0
-4055.0
-4060.0
-4065.0
-4070.0
-4075.0
-4080.0
-4085.0
-4090.0
-4095.0
-4100.0
-4105.0
-4110.0
-4115.0
-4120.0
-4125.0
-4130.0
-4135.0
-4140.0
-4145.0
-4150.0
-4155.0
-4160.0
-4165.0
-4170.0
-4175.0
-4180.0
-4185.0
-4190.0
-4195.0
-4200.0
-4205.0
-4210.0
-4215.0
-4220.0
-4225.0
-4230.0
-4235.0
-4240.0
-4245.0
-4250.0
-4255.0
-4260.0
-4265.0
-4270.0
-4275.0
-4280.0
-4285.0
-4290.0
-4295.0
-4300.0
-4305.0
-4310.0
-4315.0
-4320.0
-4325.0
-4330.0
-4335.0
-4340.0
-4345.0
-4350.0
-4355.0
-4360.0
-4365.0
-4370.0
-4375.0
-4380.0
-4385.0
-4390.0
-4395.0
-4400.0
-4405.0
-4410.0
-4415.0
-4420.0
-4425.0
-4430.0
-4435.0
-4440.0
-4445.0
-4450.0
-4455.0
-4460.0
-4465.0
-4470.0
-4475.0
-4480.0
-4485.0
-4490.0
-4495.0
-4500.0
-4505.0
-4510.0
-4515.0
-4520.0
-4525.0
-4530.0
-4535.0
-4540.0
-4545.0
-4550.0
-4555.0
-4560.0
-4565.0
-4570.0
-4575.0
-4580.0
-4585.0
-4590.0
-4595.0
-4600.0
-4605.0
-4610.0
-4615.0
-4620.0
-4625.0
-4630.0
-4635.0
-4640.0
-4645.0
-4650.0
-4655.0
-4660.0
-4665.0
-4670.0
-4675.0
-4680.0
-4685.0
-4690.0
-4695.0
-4700.0
-4705.0
-4710.0
-4715.0
-4720.0
-4725.0
-4730.0
-4735.0
-4740.0
-4745.0
-4750.0
-4755.0
-4760.0
-4765.0
-4770.0
-4775.0
-4780.0
-4785.0
-4790.0
-4795.0
-4800.0
-4805.0
-4810.0
-4815.0
-4820.0
-4825.0
-4830.0
-4835.0
-4840.0
-4845.0
-4850.0
-4855.0
-4860.0
-4865.0
-4870.0
-4875.0
-4880.0
-4885.0
-4890.0
-4895.0
-4900.0
-4905.0
-4910.0
-4915.0
-4920.0
-4925.0
-4930.0
-4935.0
-4940.0
-4945.0
-4950.0
-4955.0
-4960.0
-4965.0
-4970.0
-4975.0
-4980.0
-4985.0
-4990.0
-4995.0
-5000.0
-5005.0
-5010.0
-5015.0
-5020.0
-5025.0
-5030.0
-5035.0
-5040.0
-5045.0
-5050.0
-5055.0
-5060.0
-5065.0
-5070.0
-5075.0
-5080.0
-5085.0
-5090.0
-5095.0
-5100.0
-5105.0
-5110.0
-5115.0
-5120.0
-5125.0
-5130.0
-5135.0
-5140.0
-5145.0
-5150.0
-5155.0
-5160.0
-5165.0
-5170.0
-5175.0
-5180.0
-5185.0
-5190.0
-5195.0
-5200.0
-5205.0
-5210.0
-5215.0
-5220.0
-5225.0
-5230.0
-5235.0
-5240.0

CAMPBELL & ASSOCIATES, INC.

Surveying Engineering

(330) 945-4117

1923 Bailey Road Suite A

Cuyahoga Falls, Ohio 44221

WWW.CAMPBELLSURVEY.COM

SEAL:

STATE OF OHIO

MICHAEL J. WOHLWEND

E-68183

REGISTERED PROFESSIONAL ENGINEER

CVS/

pharmacy

STORE NUMBER: 8248

NWC LINCOLNWAY EAST AND WALES ROAD

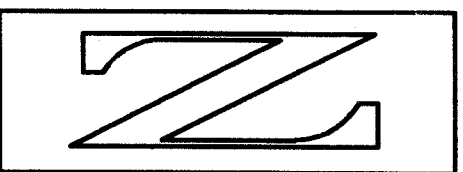
MASSILLON, OHIO (STARK COUNTY)

DEAL TYPE:

DEVELOPER: 14600 DETROIT AVENUE

LAKEWOOD, OHIO 44107

(216) 221-6600



ZAREMBA GROUP

REVISIONS:

BID SET

2010-02-08

ADDENDUM A

2010-02-26

BULLETIN B2

2010-04-06

LAYOUT COORD:

PLANNING MGR:

DRAWING BY: JUF

DATE: 2010-01-11

JOB NUMBER: 20090146

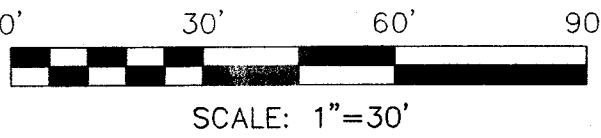
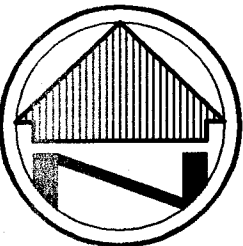
TITLE:

SWP3 PLAN

SHEET NUMBER:

C-6

COMMENTS:



BASIS OF BEARINGS

THE BASIS FOR BEARINGS IS GRID NORTH, OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE. NAD83 (1986)

SURVEY DATA USED

HISTORICAL AND PRESENT TAX MAPS
DEEDS AS SHOWN
LOT CONSOLIDATION MAP FOR TACO BELL DATED 2001,
PLAT VOL. 69, PG. 114
DEED VOL. 555, PG. 344 DATED 1913
DEED VOL. 232, PG. 301 DATED 1887

LEGEND

R/W

—

RIGHT-OF-WAY

P

—

PROPERTY LINE

C

—

CENTERLINE

E/P

—

EXISTING EDGE OF PAVEMENT

ST

—

EXISTING STORM

○

—

EXISTING STORM MANHOLE

→

—

FLOW ARROW

■

—

PROPOSED CATCH BASIN

PROP. STM

—

PROP. STORM SEWER

1086

—

PROPOSED CONTOUR

1086

—

EXISTING CONTOUR

⊕

—

POWER POLE

⊕

—

LIGHT POLE

⊕

—

TELEPHONE/POWER POLE

S

—

SILT FENCE (ALSO DENOTES LIMITS OF CLEARING/GRADING) SEE DETAIL SHEET C-7.

IP

—

INLET PROTECTION SEE DETAIL SHEET C-7.

CRS

—

TEMP. CONST. DRIVE SEE DETAIL SHEET C-7.

CWC

—

CONCRETE WASH OUT

RF

—

VEHICLE REFUELING AREA. HAZARDOUS CHEMICAL HANDLING AREA.

TS

—

TOP SOIL STOCK PILE AREA.

PREDEVELOPED LAND SUMMARY		
DESCRIPTION	AREA	C
GRASS	0.114 AC	0.50
IMPERVIOUS PAVEMENT AND BUILDING	1.740 AC	0.96
TOTAL	1.854 AC	0.93

POSTDEVELOPED LAND SUMMARY		
DESCRIPTION	AREA	C
GRASS	0.468 AC	0.50
IMPERVIOUS PAVEMENT AND BUILDING	1.386 AC	0.96
TOTAL	1.854 AC	0.84

NOTES: LAND USE INCLUDES OFF-SITE CONTRIBUTING AREAS

IMPERVIOUS AREA REDUCTION CALCULATIONS
EXISTING IMPERVIOUS AREA = 1.740 ACRES
PROPOSED IMPERVIOUS AREA = 1.386 ACRES
 $(1.740 - 1.386) \times 100\% = 20.3\%$ REDUCTION
1.740

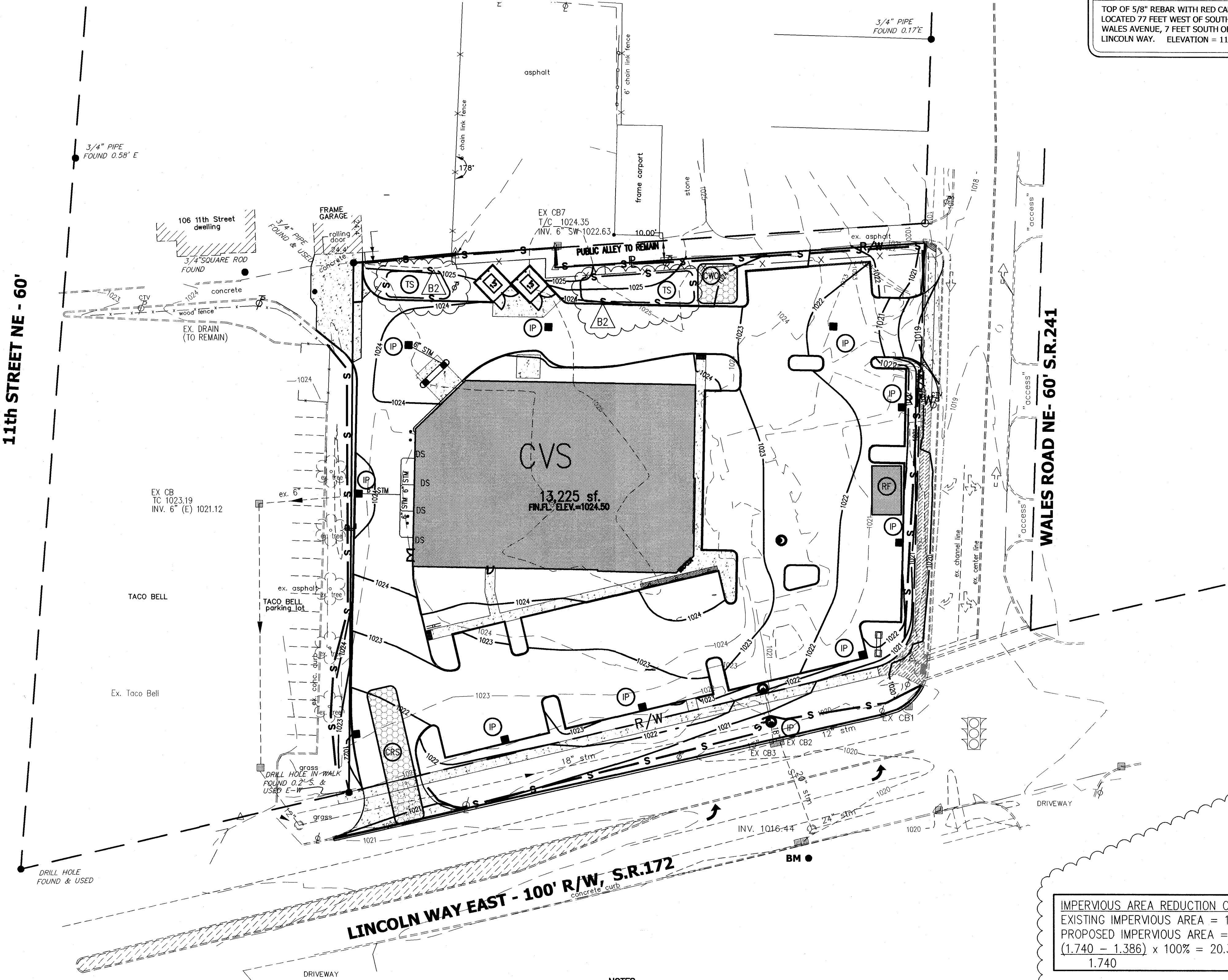
SOILS INFORMATION

NOTE: ALL SOILS ON THIS SITE ARE CuB CHILI-URBAN LAND COMPLEX, UNDLATING TYPE C SOILS.

RECEIVING STREAM: SIPPO CREEK
AREA OF DISTURBANCE: 1.838 ACRES

NOTES

1. 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 ENTRANCES(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 STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STRAM 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 STORM WATER POLLUTION PREVENTION PLAN IF APPLICABLE, OR AS DETAILED ON THE CONSTRUCTION PLANS, AS SPECIFIED BY THE CITY OF MASSILLON.
2. A PRECONSTRUCTION MEETING WITH STARK SOIL AND WATER CONSERVATION DISTRICT IS REQUIRED FOR THIS PROJECT. CONTRACTOR SHALL CONTACT STARK SOIL AND WATER CONSERVATION DISTRICT (330-830-7700, EXT. 127) TO SCHEDULE MEETING.



BENCH MARK - BM

TOP OF 5/8" REBAR WITH RED CAP MARKED "TRAV"
LOCATED 77 FEET WEST OF SOUTHERLY EXTENSION OF
WALES AVENUE, 7 FEET SOUTH OF SOUTH CURB OF
LINCOLN WAY. ELEVATION = 1120.45 NGVD88

T:\2009\20090146 - CVS Massillon\Current Drawings\20090146 CVS Massillon Bulletin 2 2010-03-24.dwg, 4/6/2010 10:22:03 AM, jfranchetti

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSION AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
2. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR BUILT UP FOR 21 DAYS OR MORE. THESE IDEAL AREAS SHOULD BE SEED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEED WITHIN 7 DAYS. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION PROJECTS.
3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER, TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.
4. SOIL AMENDMENTS--APPLICATIONS OF TEMPORARY VEGETATION SHALL ESTABLISH ADEQUATE STRANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
5. SEEDING METHOD--A CYCLE SHALL BE APPLIED UNIFORMLY WITH A CYCLOE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR COMPACTOR. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES AND WITH FAVORABLE SOIL CONDITIONS AND ON VERY FLAT AREAS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.
2. MATERIALS
 - STRAW-IF STRAW IS USED, IT SHALL BE UNSORTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF 2 TONS PER 1,000 SQ. FT. (TWO TO THREE BALES). THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED FOR UNIFORM GERMINATION. F HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000 SQ. FT. SECTIONS AND SPREAD TWO 45 LB. BALES OF STRAW EACH SECTION.
 - HYDROSEEDERS-IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LB./AC. OR 46LB./1000 SQ. FT.
 - OTHER-OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS/AC.
3. STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:
 - MECHANICAL-A DISK, CRUMPER, OR SIMILAR TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT, GENERALLY, BE LEFT LONGER THAN 6 IN.
 - MULCH NETTINGS-NETTINGS SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATION RUNOFF AND ON CRITICAL SLOPES
 - ASPHALT EMULSION-ASPHALT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURER OR AT THE RATE OF 160 GAL./AC.
 - SYNTHETIC BINDERS-SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (ACR-11), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
 - WOOD CELLULOSE FIBER-WOOD-CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./GAL.



N.T.S.

1. CONTRACTOR SHALL FOLLOW PRACTICES IN CHAPTER 8 OF THE CURRENT RAINWATER AND LAND DEVELOPMENT MANUAL FOR NON-SEMI-DETERMINED POLLUTION CONTROL MEASURES (TOXIC AND HAZARDOUS MATERIALS). INCLUDING SPILL PREVENTION AND CLEANUP MEASURES FOR LARGE AND SMALL SPILLS.

SOLID, SANITARY, AND TOXIC WASTE MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH THE 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, AND ANTIFREEZE, CEMENT CURING COMPOUNDS AND OTHER SUCH TOXIC OR HAZARDOUS WASTES. STORAGE TANKS SHALL BE LOCATED IN DIKED AREAS AWAY FROM ANY DRAINAGE CHANNELS. THE DIKED AREA SHALL HOLD A VOLUME EQUAL TO 110% OF THE LARGEST TANK.
2. CONSTRUCT CONCRETE WASH OUTS PER FEDERAL AND LAND DEVELOPMENT MANUAL.

1. 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 ENTRANCES(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 STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STRAW 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 OF THE APPROPRIATE STATE WATER POLLUTION PREVENTION PLAN IF APPLICABLE, OR AS DETAILED ON THE CONSTRUCTION PLANS, AS SPECIFIED BY THE CITY OF MASSILLON.

2. A PRECONSTRUCTION MEETING WITH STARK SOIL AND WATER CONSERVATION DISTRICT IS REQUIRED FOR THIS PROJECT. CONTRACTOR SHALL CONTACT STARK SOIL AND WATER CONSERVATION DISTRICT (330-830-7700, EXT. 127) TO SCHEDULE MEETING.

- SEDIMENT PONDS/TRAPS AND PERIMETER CONTROLS SHALL BE IMPLEMENTED AS A FIRST STEP OF GRABBING WITHIN 7 DAYS FROM THE START OF GRABBING AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS HAVE BEEN STABILIZED.
- DISTURBED AREAS MORE THAN 50 FT FROM A STREAM WHICH WILL REMAIN UNWORKED FOR A PERIOD OF 21 DAYS OR MORE, SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER OTHER APPROPRIATE MEANS WITHIN 7 DAYS.
- DISTURBED AREAS WITHIN 50 FT OF A STREAM WHICH WILL REMAIN UNWORKED FOR A PERIOD OF 21 DAYS OR MORE, SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER OTHER APPROPRIATE MEANS WITHIN 2 DAYS.

- ALL EROSION AND SEDIMENTATION CONTROL PRACTICE MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO'S RAINWATER AND LAND DEVELOPMENT MANUAL (2006 EDITION).

- EROSION AND SEDIMENT CONTROL PRACTICES NOT ALREADY SPECIFIED ON THIS PLAN MAY BE NECESSARY DUE TO UNFORESEEN ENVIRONMENTAL CONDITIONS AND/OR CHANGES IN DRAINAGE PATTERN CAUSED BY EARTH—MOVING ACTIVITY.
- A FULL LOT SEEDING AND MULCHING SHALL BE APPLIED TO ALL BARE AREAS IMMEDIATELY AFTER THE CONSTRUCTION OF THE STREETS ARE COMPLETED.
- NOTICE OF INTENT (NOI) MUST BE SUBMITTED TO OHIO EPA FOR NPDES PERMIT 45 DAYS PRIOR TO THE START OF CLEARING AND/OR GRADING.
- CONSTRUCTION MUST COMPLY WITH ALL LOCAL EROSION AND SEDIMENT CONTROL REGULATIONS.
- NO MUD OR LIQUID WASTE SHOULD BE DISCHARGED STORM WATER RUNOFF.
- SWPPP MUST SHOW COMPLIANCE WITH LOCAL WASTE DISPOSAL, SANITARY, AND HEALTH REGULATIONS.
- IF MUD, SOIL, OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SUCH AS DIRECTED BY THE CITY OR ITS ENGINEER AT THE END OF EACH WORK DAY.

PERMANENT RECORDS OF MAINTENANCE AND INSPECTION MUST BE MAINTAINED A MINIMUM OF ONCE EVERY SEVEN DAYS AND AFTER STORM EVENTS GREATER THAN 0.5 INCH IN A 24 HOUR PERIOD. NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CERTIFICATION OF COMPLIANCE, CORRECTIVE MEASURES TAKEN. RECORDS MUST BE MAINTAINED FOR 2 YEARS AFTER NOTICE OF INTENT PER OHIO EPA NPDES PERMIT.

ANY EROSION CONTROL MEASURES, STRUCTURES, DEVICES, OR RELATED ITEMS IN NEED OF REPAIR WILL BE MADE WITHIN FIFTEEN DAYS.

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 DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN NOVEMBER 1 AND MARCH 1.

1. MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES AND WITH FAVORABLE SOIL CONDITIONS AND ON VERY FLAT AREAS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. DORMANT SEEDING SHALL BE MULCHED.

- STRAW – IF STRAW IS TO BE USED IT SHALL BE UNWROTTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ.FT. (TWO TO THREE BALES). THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000 SQ.FT. SECTIONS AND SPREAD TWO 45 LB. BALES OF STRAW IN EACH SECTION.
- HYDROSEDS – IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LB./AC. OR 46 LB./1000 SQ.FT.
- OTHER – OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS/AC.

- STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.
- MECHANICAL - A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHIPPED BUT, GENERALLY, BE LEFT UNCHIPPED.
- NETTING - NETTINGS SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.
- ASPHALT EMULSION - ASPHALT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURER OR AT THE RATE OF 160 GAL./AC.
- SYNTHETIC BINDERS - SYNTHETIC BINDERS SUCH AS ACRYLIC DOL (AGRI-TAC), DCA-70, PETROSET TERRA TAC, OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
- WOOD CELLULOSE FIBER - WOOD CELLULOSE FIBER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

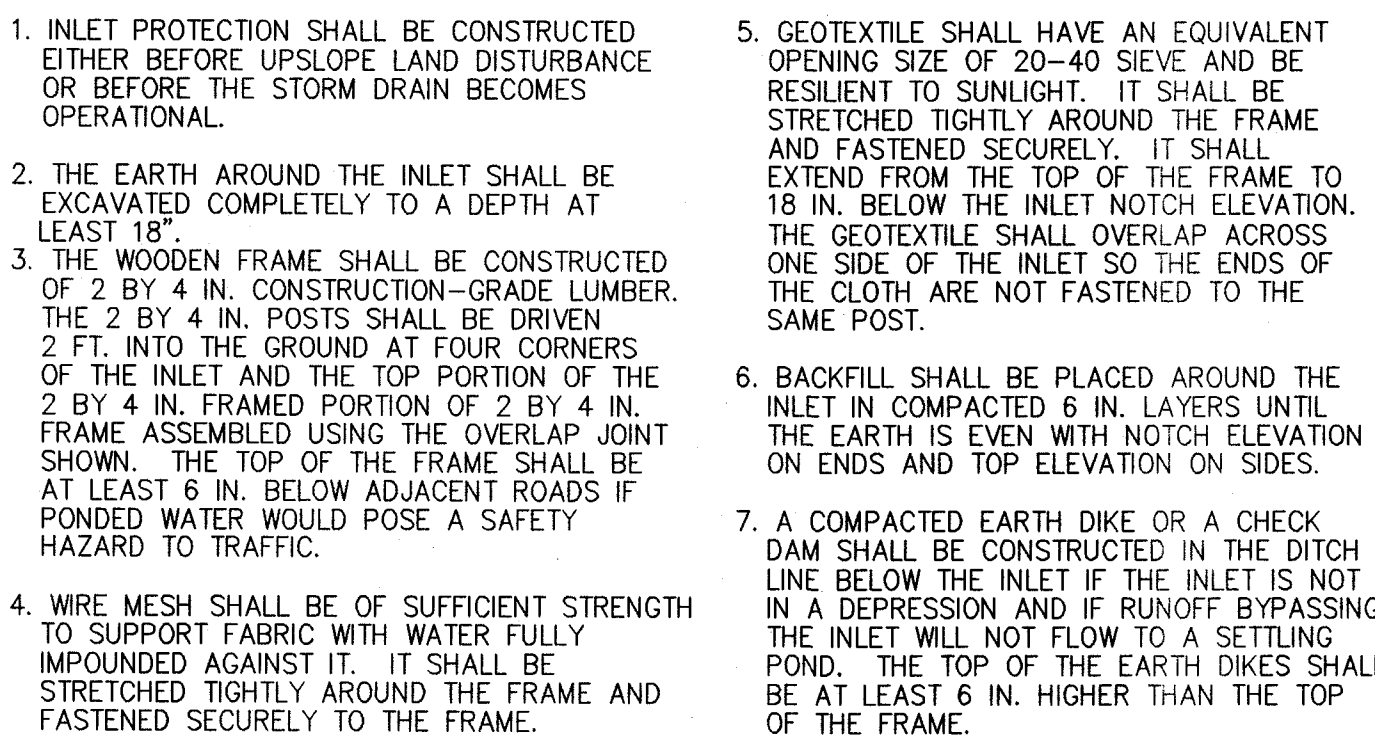
1. PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS AS NEEDED FOR ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH.
2. EXCESSIVE IRRIGATION RATES SHALL BE AVOIDED AND IRRIGATION MONITORED TO PREVENT EROSION AND DAMAGE FROM RUNOFF.

1. DISTURBED AREAS REMAINING DORMANT FOR OVER A YEAR AND AT FINAL GRADE SHALL HAVE THE PERMANENT LANDSCAPING COVER INSTALLED PER LANDSCAPING PLAN.

2. DISTURBED AREAS WITHIN 50 FEET OF A STREAM MUST HAVE A PERMANENT COVER APPLIED WITHIN 2 DAYS OF REACHING FINAL GRADE.



N.T.S.



N.T.S.

1. INSTALL SILT FENCE & CATCH BASIN PROTECTION.
2. DEMOLISH EXISTING BUILDINGS AND PAVEMENT.
3. BEGIN ROUGH GRADING.
4. CONSTRUCT STORM SEWER AND RESPECTIVE INLET PROTECTION & INSTALL PROPOSED UTILITIES.
5. BEGIN CONSTRUCTION OF BUILDING.
6. FINISH REMAINING SITE WORK AND STABILIZE THE SITE.
7. ONCE SITE IS STABILIZED, REMOVE REMAINING EROSION AND SEDIMENT CONTROLS.

NOTES:

1. PAINT COLOR TO BE "YELLOW" FOR ARROW AND LETTERS.
"DRIVE-THRU" LETTERS TO BE ELONGATED HELEVETICA MEDIUM - 4" WIDE STROKES.
2. PAINT 2" BLACK OUTLINE AROUND ARROW AND LETTERS FOR PROJECTS WITH CONCRETE PARKING LOTS.

N.T.S.

SEAL:



STORE NUMBER: 8248

NWC LINCOLNWAY EAST AND WALES ROAD
MASSILLON, OHIO (STARK COUNTY)

DEAL TYPE

DEVELOPER: 14600 DETROIT AVENUE
LAKEWOOD, OHIO 44107
(216) 221-6600



REVISIONS:

BID SET 2010-02-08

LAYOUT COORD:

PLANNING MGR.

DRAWING BY: JLF

DATE: 2010-01-11

JOB NUMBER: 20090146

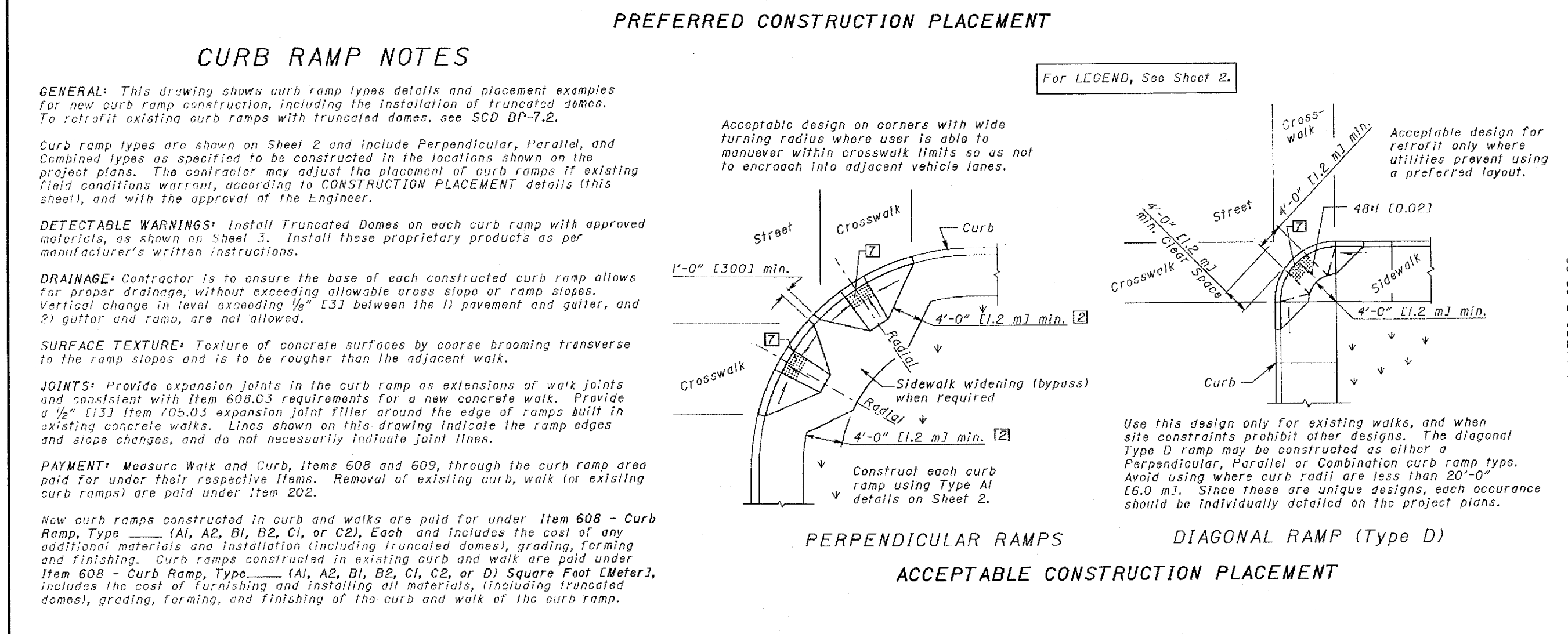
TITLE:

SWP3 DETAILS

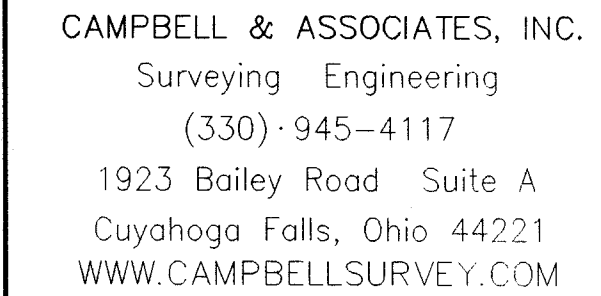
SHEET NUMBER:

C-7

COMMENTS:



ODOT CATCH BASIN 2-2B MODIFIED.



STORE NUMBER: 8248
NWC LINCOLNWAY EAST AND WALES ROAD
MASSILLON, OHIO (STARK COUNTY)
DEAL TYPE:



REVISIONS:	
BID SET	2010-02-08
ADDENDUM <u>2</u>	2010-02-26

LAYOUT COORD:	
PLANNING MGR.	
DRAWING BY:	JJF
DATE:	2010-01-11
JOB NUMBER:	20090146

TITLE:
**CONSTRUCTION
DETAILS**

SHEET NUMBER:

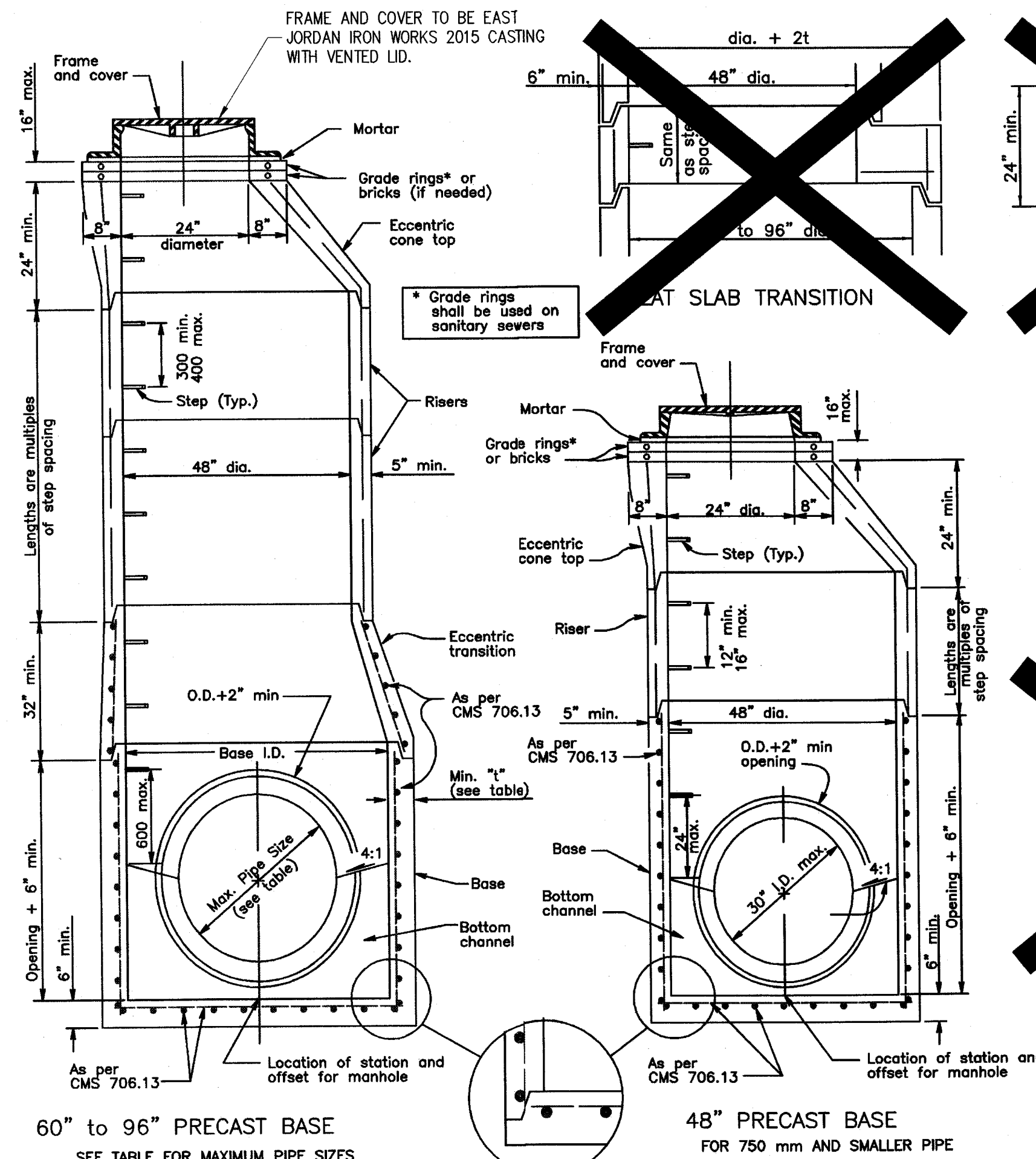
C-9

COMMENTS:

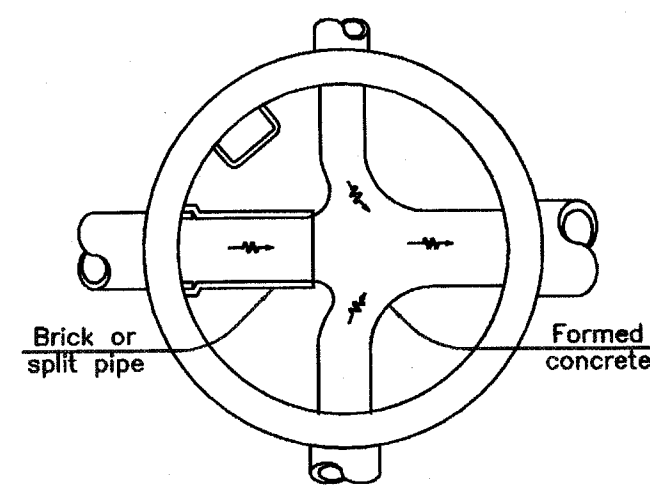


CITY OF MASSILLON ENGINEERING
151 LINCOLN WAY EAST
MASSILLON, OHIO (330)830-1722
FAX: (330)830-1786

MANHOLE TYPE 3



SECTION VIEWS OF REINFORCED PRECAST MANHOLES



SECTION BELOW SPRING LINE
Showing method of turning side drain which enter the manhole at the springline

NOTES

GENERAL: With normal soil and site conditions this standard precast manhole may be used for any required manhole depth.

Sections of the precast manhole shall be cast and assembled with either oil tongue or oil groove ends up. Lift holes may be provided in each section for handling.

TOP AND TRANSITION (OR REDUCER): This section shall be a flat slab unless an eccentric cone is specified.

BASE: Manhole No. 3 is shown with a monolithic floor and riser which may be cast in one or two operations. A permissible alternate is to cast and ship the floor and barrel separately. Openings for inlet and outlet pipes shall be provided, either when bottom channels may be formed of concrete, precast in the base or field constructed as shown.

RISER SECTIONS: Openings for 18" and smaller inlet pipes may be either prefabricated, or cut in the field provided the sides of the pipe at the springline do not project into the manhole.

CONNECTIONS: Connections between precast manhole sections and pipes on sanitary sewers may be sealed with resilient connectors conforming to ASTM C 923.

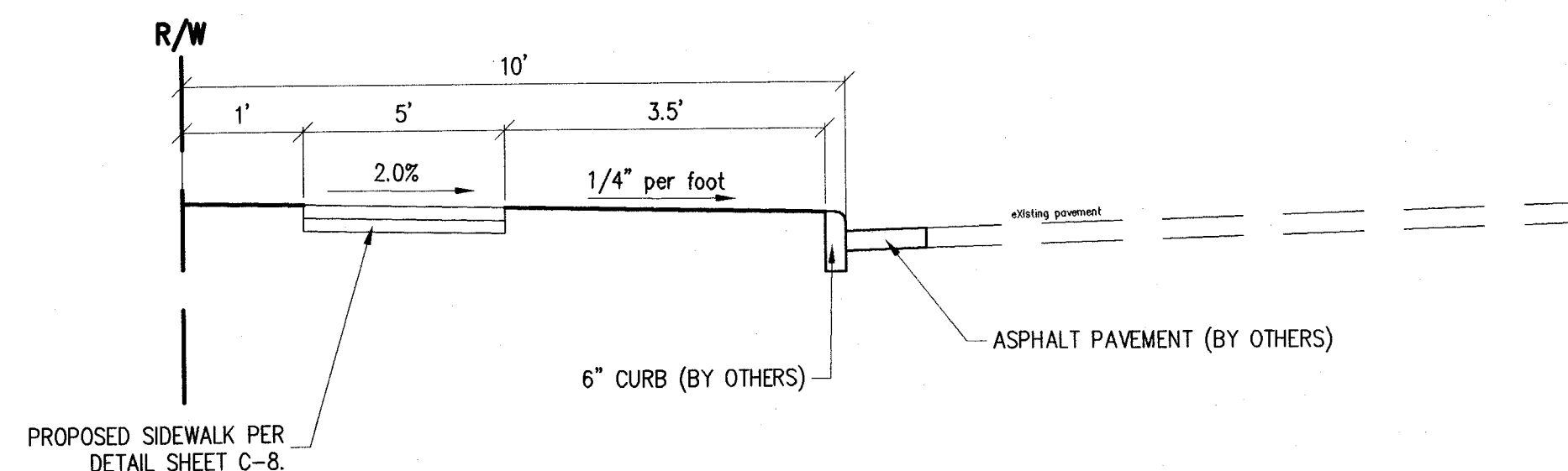
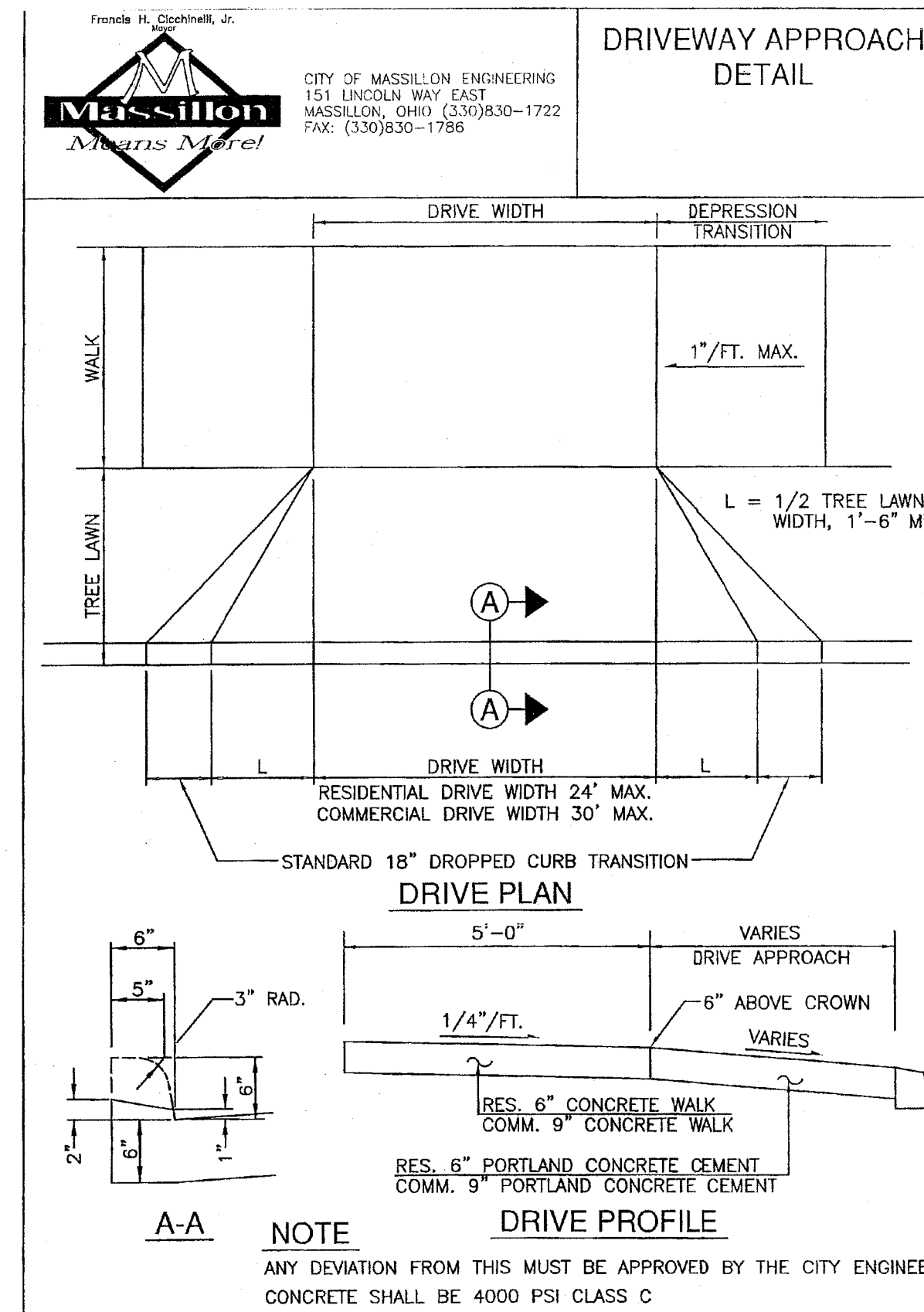
JOINT SEAL: Seal between precast manhole sections on sanitary sewers shall be resilient and flexible gasket joints per CMS 706.11.

MATERIALS: Materials for bases and other precast sections, including reinforcement not specified hereon, shall comply with the requirements of CMS 706.13.

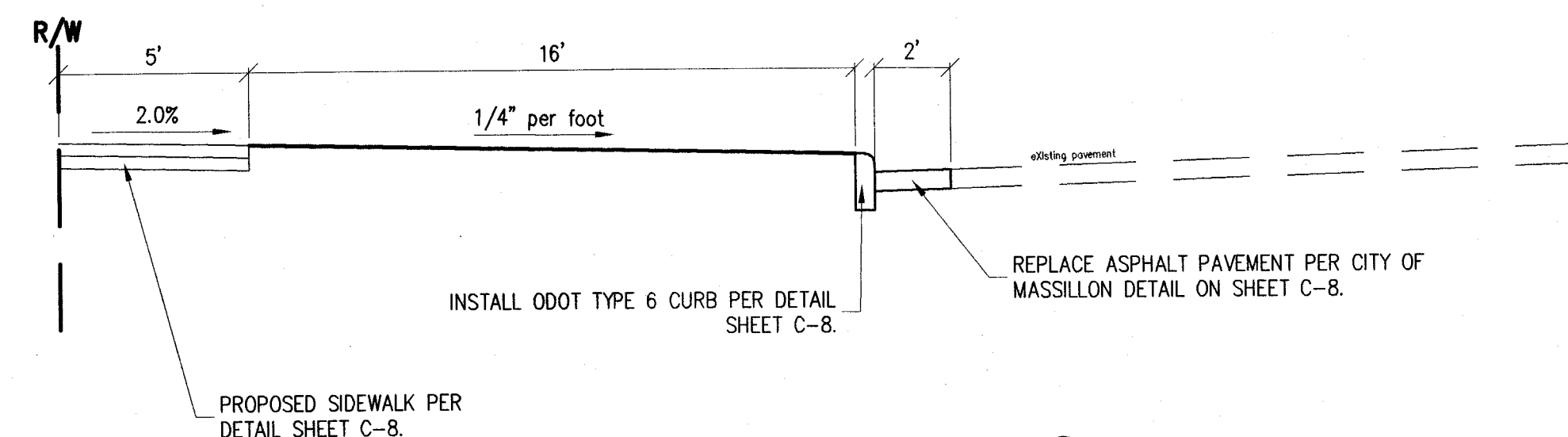
DROP PIPE: When specified on the plans, drop pipe shall be constructed as shown on MH-3.1M.

STEPS, FRAMES AND COVERS: Shall comply with the requirements set forth on MH-1.1M.

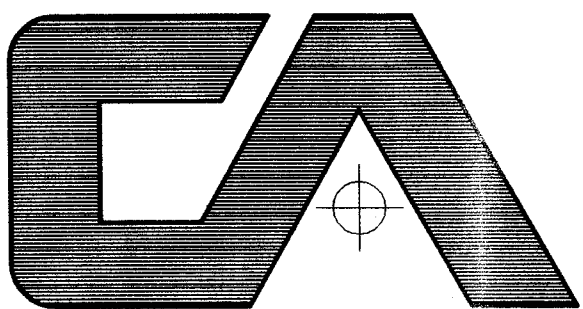
Base I.D.	Min. "t"	Max. Pipe Size
60"	5"	36"
72"	6"	48"
84"	7"	54"
90"	7 1/2"	60"
96"	8"	60"



TYPICAL SECTION FOR SITE WORK ALONG WALES ROAD

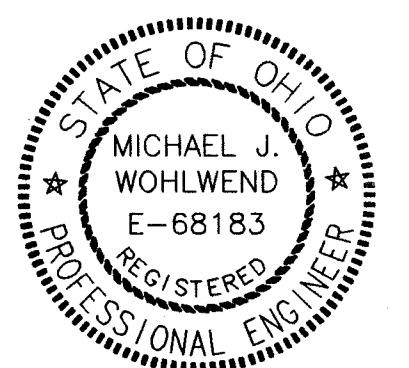


TYPICAL SECTION LINCOLNWAY EAST



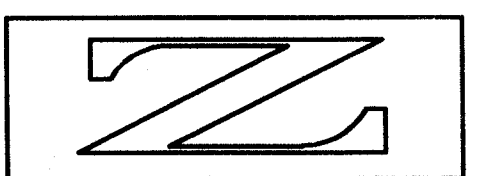
CAMPBELL & ASSOCIATES, INC.
Surveying Engineering
(330)-945-4117
1923 Bailey Road Suite A
Cuyahoga Falls, Ohio 44221
WWW.CAMPBELLSSURVEY.COM

SEAL:



STORE NUMBER: 8248
NWC LINCOLNWAY EAST AND WALES ROAD
MASSILLON, OHIO (STARK COUNTY)
DEAL TYPE:

DEVELOPER: 14800 DETROIT AVENUE
LAKEWOOD, OHIO 44107
(216) 221-6800



ZAREMBO GROUP

REVISIONS:

BID SET 2010-02-08
ADDENDUM A 2010-02-26

LAYOUT COORD:

PLANNING MGR.

DRAWING BY: JUF

DATE: 2010-01-11

JOB NUMBER: 20090146

TITLE:

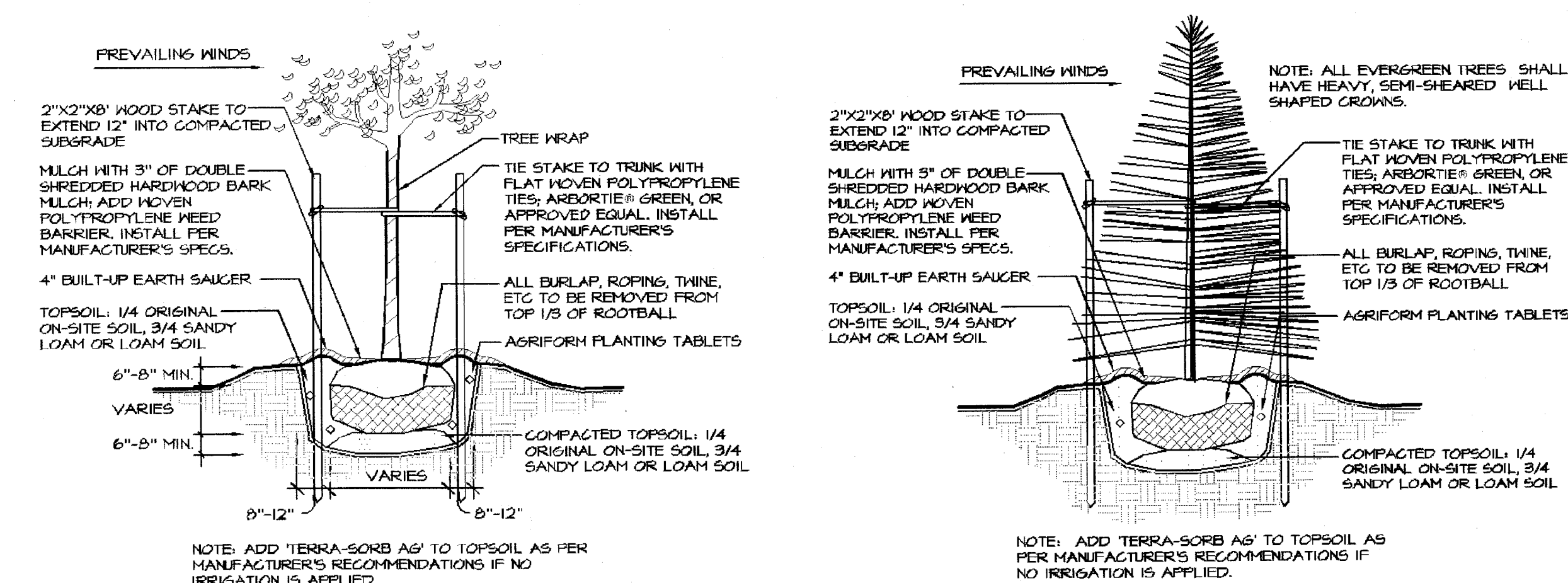
CONSTRUCTION
DETAILS

SHEET NUMBER:

C-10

COMMENTS:

1. THESE DOCUMENTS ARE MEANT TO SERVE AS A GUIDE FOR CONSTRUCTION MODIFICATIONS TO THE DESIGNS BEING REQUIRED TO ACCOMMODATE VARYING FIELD CONDITIONS OR MODIFIED PLANT ARRANGEMENTS.
2. QUALITY AND SIZES OF PLANTS TO MEET AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS.
3. LANDSCAPE ARCHITECT TO BE AUTHORITY FOR INTERPRETATION OF PLAN AND QUALITY OF WORK.
4. ALL SUBSTITUTIONS OF SIZES OR VARIETIES SUBJECT TO APPROVAL OF LANDSCAPE ARCHITECT.
5. IF QUANTITIES LISTED IN PLANT MATERIAL LIST DO NOT CORRELATE WITH PLANTINGS INDICATED ON PLAN, THE QUANTITIES INDICATED ON THE PLAN SHALL GOVERN.
6. CONTRACT SHALL CONSIST OF TOTAL UNITS AUTHORIZED BY OWNER.
7. ALL WALL ELEVATIONS, FINISHED GRADES, AND DRAIN LINE ELEVATIONS TO BE FINALIZED IN THE FIELD WHERE APPLICABLE.
8. THE LANDSCAPE CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES AND/OR SPRINKLER SYSTEMS BEFORE INSTALLATION.
9. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL CLEANUP ASSOCIATED WITH HIS CONSTRUCTION PROCEDURE.
10. ALL LAWN AREAS TO RECEIVE A MINIMUM 2" TOPSOIL; ALL PLANTING AREAS TO RECEIVE A MINIMUM 6" TOPSOIL.
11. PLANTING BED PREPARATION: LOOSEN EXISTING SOIL; ADD TOPSOIL IN SUFFICIENT QUANTITY TO RAISE BED 4-5" ABOVE FINISHED LAWN GRADE. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND AROUND OR AWAY FROM PLANTING BEDS TO PREVENT FLOODING OF WATER. DO NOT RAISE BED GRADES, FINISHED GRADES, OR MULCH ABOVE FINISHED FLOOR ELEVATIONS.
12. USE SOIL MIXTURE IN ALL PLANTING PITS. SOIL MIXTURE TO BE 1/4 ORIGINAL ON-SITE SOIL AND 3/4 SANDY LOAM OR LOAM SOIL AS DEFINED BY USDA SOIL CONSERVATION SERVICE, SOIL CLASSIFICATION SYSTEM. FREE FROM ADMIXTURE OF SUBSOIL, HEAVY CLAY, COARSE SAND, STONES, PLANTS, ROOTS, STICKS, AND ANY OTHER FOREIGN MATERIALS. 95% OF TOPSOIL SHALL PASS A 2.0 MIL SIEVE. ORGANIC CONTENT SHALL BE 4% TO 12% OF TOTAL DRY WEIGHT. ADD GRANULAR SOIL MOIST TO TOPSOIL MIX, APPLIED PER MANUFACTURER'S RECOMMENDED RATES FOR THE SIZE AND TYPE OF PLANT MATERIAL SPECIFIED, IF NO IRRIGATION IS APPLIED.
 - A. IF THE QUALITY OR QUANTITY OF ON-SITE TOPSOIL STOCKPILED IS INSUFFICIENT TO COMPLETE WORK, PROVIDE IMPORTED TOPSOIL. OBTAIN RIGHTS AND PAY ALL COSTS FOR IMPORTED TOPSOIL MATERIAL.
 - B. PROPOSED TOPSOIL SHALL BE ACCEPTABLE TO ARCHITECT AND SOILS TESTING FIRM.
13. MULCH ALL PLANTING BEDS, AND DISTURBED AREAS WITH A 3" DEPTH OF DOUBLE SHREDDED HARDWOOD BARK. INSTALL WEED MAT WEED BARRIER UNDER ALL MULCHED PLANTING AREAS. PROVIDE 4.1 OZ. WOVEN POLYPROPYLENE, NEEDLE-PUNCHED FABRIC, WEED BARRIER. SECURE IN PLACE WITH SOIL STAPLES.
14. ALL NYLON ROPIING, TWINE, SHALL BE REMOVED, PRIOR TO PLANTINGS. ALL NON-TREATED BURLAP AND/OR NON-ROT PROOF BURLAP TO BE REMOVED FROM TOP HALF OF ROOTBALL.
 - A. TREATED BURLAP OR POLYPROPYLENE BURLAP TO BE COMPLETELY REMOVED FROM PLANTING PIT.
15. APPROPRIATE QUANTITIES OF 20-10-5 AGRIFORM SOLID FERTILIZER TABLETS (OR EQUAL) TO BE APPLIED TO ALL PLANTINGS.
16. SEEDING MIXTURE: SEED SHALL BE 5 WAY BLEND PERENNIAL RYE GRASS, COMPOSED OF 20% MANHATTAN 3 PERENNIAL RYE, 20% AFFINITY PERENNIAL RYE, 20% MONTEREY PERENNIAL RYE, 20% CATALINA PERENNIAL RYE, 20% PENNANT 2 PERENNIAL RYE.
17. SODDING: ALL SOD SHALL BE A MIXTURE OF DISEASE RESISTANT KENTUCKY BLUEGRASS SOIL GROWN SOD. ALL SOD SHALL BE LAID ON A MINIMUM OF 2" TOPSOIL AND SOIL GROWN. FERTILIZE WITH A NON-BURNING MEASURED RELEASE FERTILIZER, OR RAKE IN A LIGHT APPLICATION OF 12-12-12 AT A RATE OF 5LB. PER 1000 S.F. BEFORE LAYING SOD.
18. ALL AREAS TO BE SEEDDED OR SODDED ARE TO BE FREE FROM WEEDS AND ROCKS 3/4" OR LARGER. ALL SEEDDED AREAS ARE TO BE COVERED WITH A 1-1/2" THICK, NON-COMPACTED LAYER OF STRAW WITH APPLIED TACKIFIER PER MANUFACTURER'S SPECIFICATIONS.
19. GRADINGS: THE BUILDER WILL PROVIDE A FINISHED GRADE WITHIN 3" OF FINAL GRADE. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL FINE GRADING RELATING TO HIS WORK (WHEN APPLICABLE).
20. ALL BEDS SHALL BE EDGED TO FORM A DEFINED, CUT EDGE.
21. RESEED OR SOD ALL DISTURBED AREAS WITH APPROPRIATE MIXTURE.
22. MAINTAIN LAWNS THROUGH TWO CUTTINGS AND ASSUME FULL RESPONSIBILITY FOR A FULL AND HEALTHY GROWTH. RESEED ALL BARE SPOTS.
23. ALL PLANT MATERIALS AND GROUNDCOVERS TO BE INSPECTED AND APPROVED BY LANDSCAPE ARCHITECT BEFORE FINAL ACCEPTANCE OF WORK.
24. GUARANTEE PERIOD:
 - A. GUARANTEE PERIOD SHALL BEGIN AT THE ISSUANCE OF THE CERTIFICATE OF COMPLETION AND SHALL END EXACTLY ONE YEAR FROM THAT DATE.
 - B. AT THE CONCLUSION OF THE GUARANTEE PERIOD, A FINAL INSPECTION OF THE WORK WILL BE MADE TO DETERMINE THE CONDITION OF THE PLANT MATERIAL. ALL PLANT MATERIAL NOT IN A HEALTHY OR 40% DEFOOLIATED GROWING CONDITION WILL BE NOTED.
 - C. REMOVE THE MATERIAL SO NOTED FROM THE SITE AT THE DIRECTION OF THE ARCHITECT AND REPLACE DURING THE FOLLOWING PLANTING SEASON WITH THE MATERIALS OF LIKE KIND AND SIZE, AND IN A MANNER SPECIFIED FOR THE ORIGINAL PLANTING AT NO EXTRA COST.
 - D. GUARANTEE PERIOD ALSO APPLIES TO REPLACED MATERIAL.

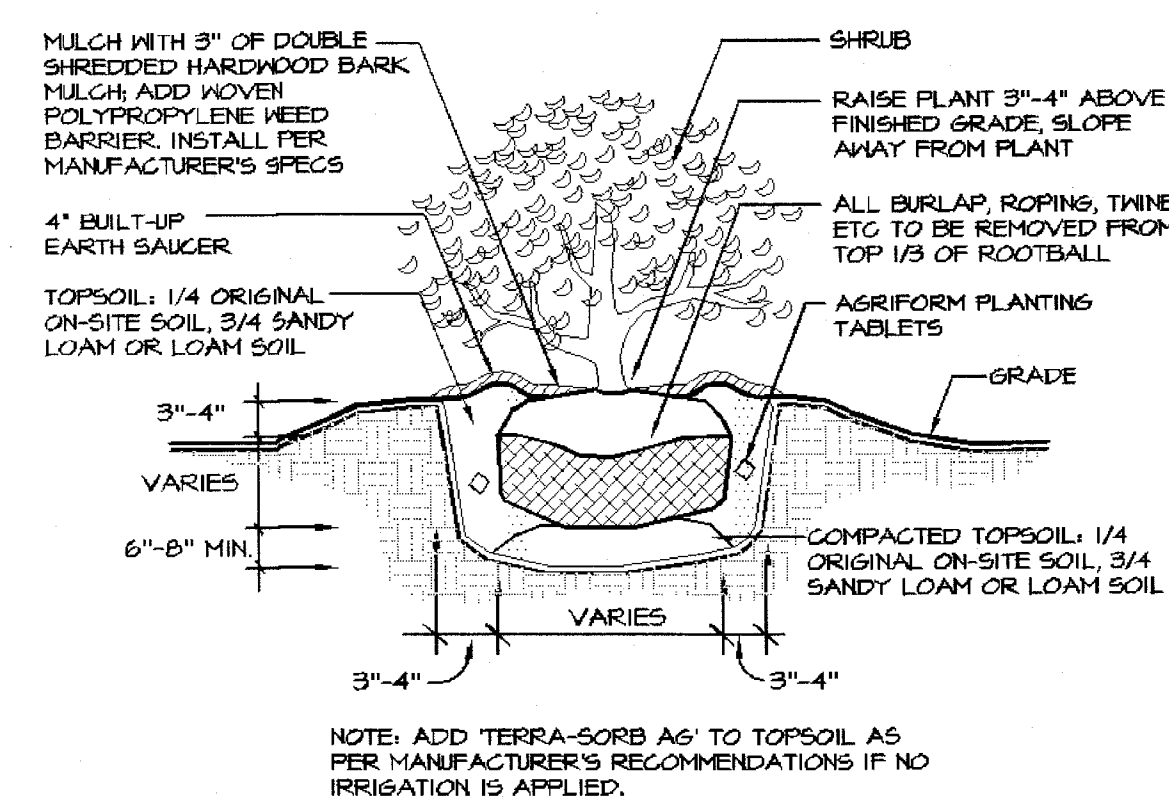


QUESTION IS AT THE TOP

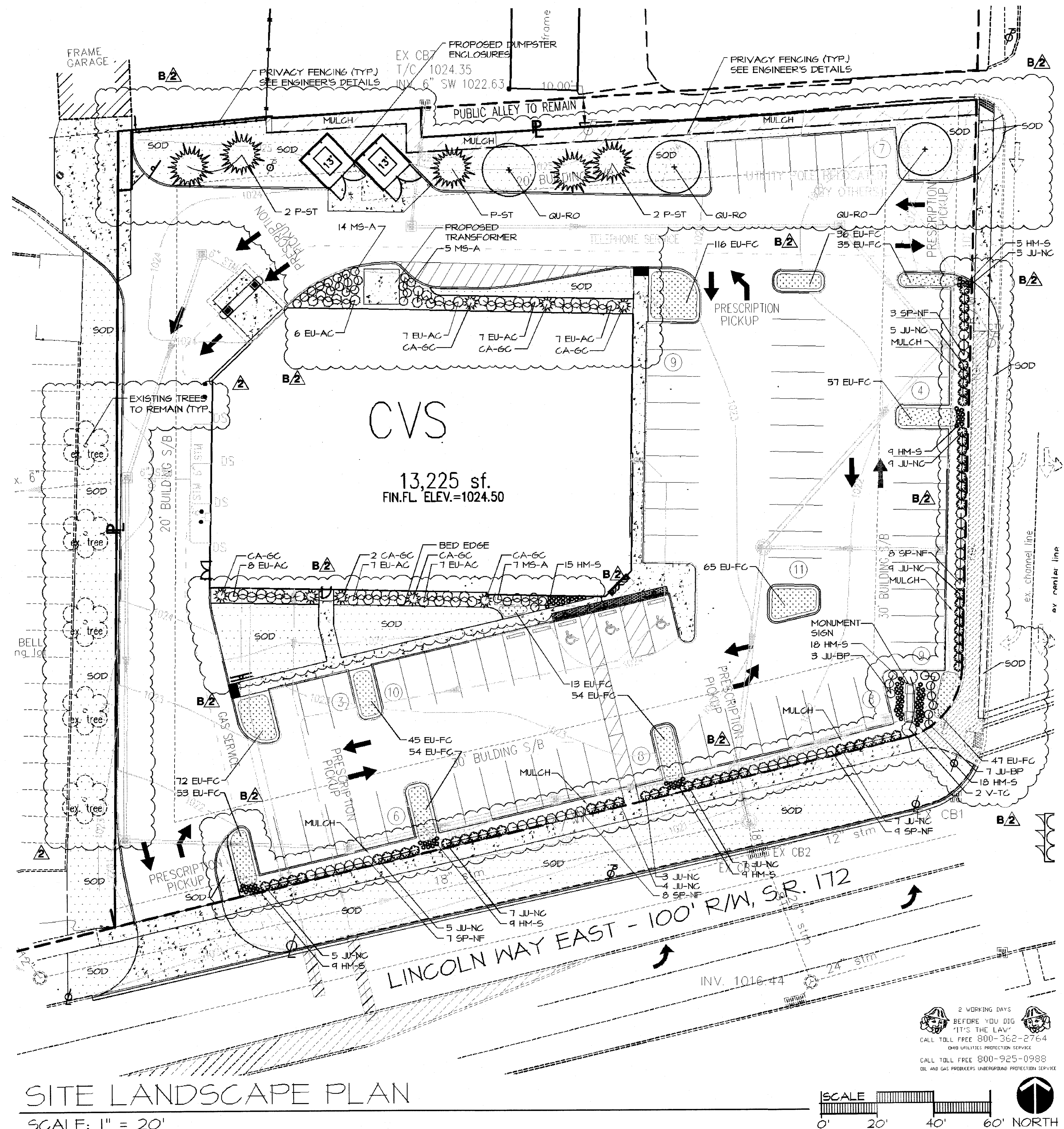
1 TREE PLANTING

L-1 NOT TO SCALE

2 EVERGREEN PLANTING
L-1 NOT TO SCALE



3 SHRUB PLANTING
L-1 NOT TO SCALE

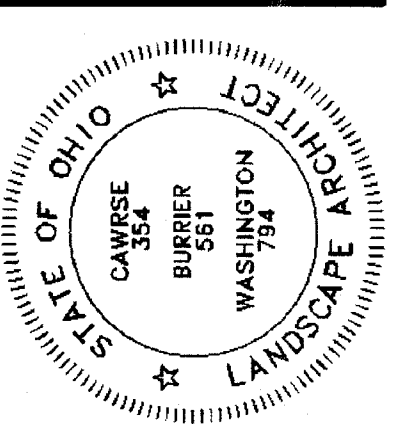


SITE LANDSCAPE PLAN

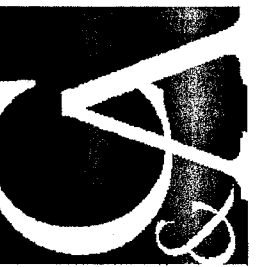
SCALE: 1" = 20'

SITE LANDSCAPE PLANT LIST

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
8	CA-GC	CHAMAECYPARIS OBUSA 'GRACILIS COMPACTA'	COMPACT HINOKI FALSE CYPRRESS	24", NO. 5	CONT.
B, 2	EU-GM	EUCALYPTUS ALBA 'S COMPACT'	COMPACT BURNINGSHOE	30"	B&B
41	EU-GC	EUNOMIA FORTUNEI 'COLORATUS'	PURPLELEAF WINTER CREEPER	NO. 1	CONT., 18" O.C.
42	HM-S	HEMEROCALLIS 'STELLA D'ORO'	STELLA D'ORO DAYLILY	NO. 2	CONT., 18" O.C.
10	JU-BP	JUNIPERUS CONFERTA 'BLUE PACIFIC'	BLUE PACIFIC JUNIPER	18", NO. 3	CONT., 24" O.C.
66	JU-NC	JUNIPERUS CHINENSIS 'NICK'S COMPACT'	NICK'S COMPACT FELTZER	18", MQ, 3	CONT.
6	MS-A	MISCANTHUS SIBIENSIS 'ADAGIO'	ADAGIO JAPANESE MAIDEN GRASS	18", MQ, 3	CONT.
B, 2	PH-B	PHILLYREA COROLATA	EASTERN WHITE FINE	2' HT.	B&B
3	QU-RQ	QUERCUS ROBUR	ENGLISH OAK	2-1/2" (CA)	B&B
35	SP-NF	SPIRAEA X NEON FLASH	NEON FLASH SPIREA	18", NO. 3	CONT.
B, 2	V-TC	VIBURNUM TRILOBUM 'COMPACTUM'	COMPACT AMERICAN CRANBERRY BUSH	4" HT.	B&B





CAWRSE & ASSOCIATES, INC.
Landscape Architecture • Land Planning



CVS MASSILLON
NWC LINCOLN WAY EAST AND WALES RD, MASSILLON, OH

ZAREMBA GROUP, LLC
14600 DETROIT AVE., LAKEWOOD, OH 44107

Date	Notes
02-08-10	FOR BID
02-26-10	ADDENDUM 
04-06-10	BULLETIN 

Job No: 09060

File: 040610 cvs massillon LP.dwg

L-1

Sheet 1 of 3

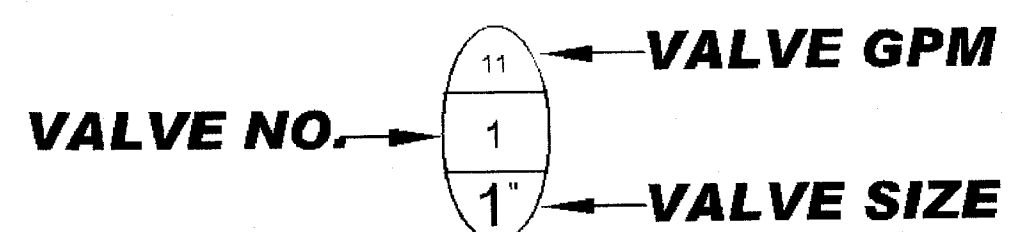


IRRIGATION LEGEND

- ▲ RAIN BIRD, 1800 SAM PRS SERIES, 4" POP UP SPRAY, W/ R17-24 NOZZLE
HUNTER, MFR 40 SERIES, 4" POP UP SPRAY, W/ MP2000 NOZZLE
- RAIN BIRD, 1800 SAM PRS SERIES, 4" POP UP SPRAY, W/ R13-18 NOZZLE
HUNTER, MFR 40 SERIES, 4" POP UP SPRAY, W/ MP1000 NOZZLE
- ⋈ RAIN BIRD, 1800 SAM PRS SERIES, 4" POP UP SPRAY, W/ 15 SST NOZZLE
HUNTER, INST-CV SERIES, 4" POP UP SPRAY, W/ MPSTRIP NOZZLE
- ⊙ RAIN BIRD, 5RC QUICK COUPLING VALVE, 1"
HUNTER, HQ-5RC QUICK COUPLING VALVE, 1"
- ⊖ RAIN BIRD, P6A-100 SERIES ELECTRIC CONTROL VALVE, 1"
HUNTER, P6V-1016 SERIES ELECTRIC CONTROL VALVE, 1"
- ⊗ RAIN BIRD, XGZ-100 SERIES, ELECTRIC CONTROL VALVE, 1"
HUNTER, PGZ-10140 SERIES, ELECTRIC CONTROL VALVE, 1"
- ⊠ RAIN BIRD, ESP-SMT SERIES, AUTOMATIC CONTROLLER
HUNTER, PRO-C SERIES, AUTOMATIC CONTROLLER
- HUNTER, SOLAR SYNC, AUTOMATIC RAIN SHUT OFF
- TAP LOCATION, 1"
- ▼ WILKINS, 915 SERIES, REDUCED PRESSURE BACKFLOW, 1"
- ▨ NETAFIM, TLDL DRIPLINE, 06-18 @ 18" SPACING
- PVC MAINLINE, CLASS 200, BE, 18" BURY, SIZE 1"
- PVC LATERAL, CLASS 200, BE, 12" BURY, SIZE 1"
- PVC SLEEVING, SCHEDULE-40, BE, 18" BURY, SIZE AS SHOWN

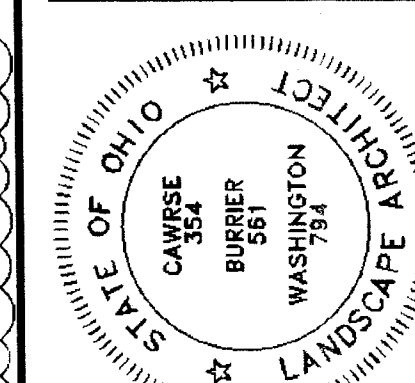
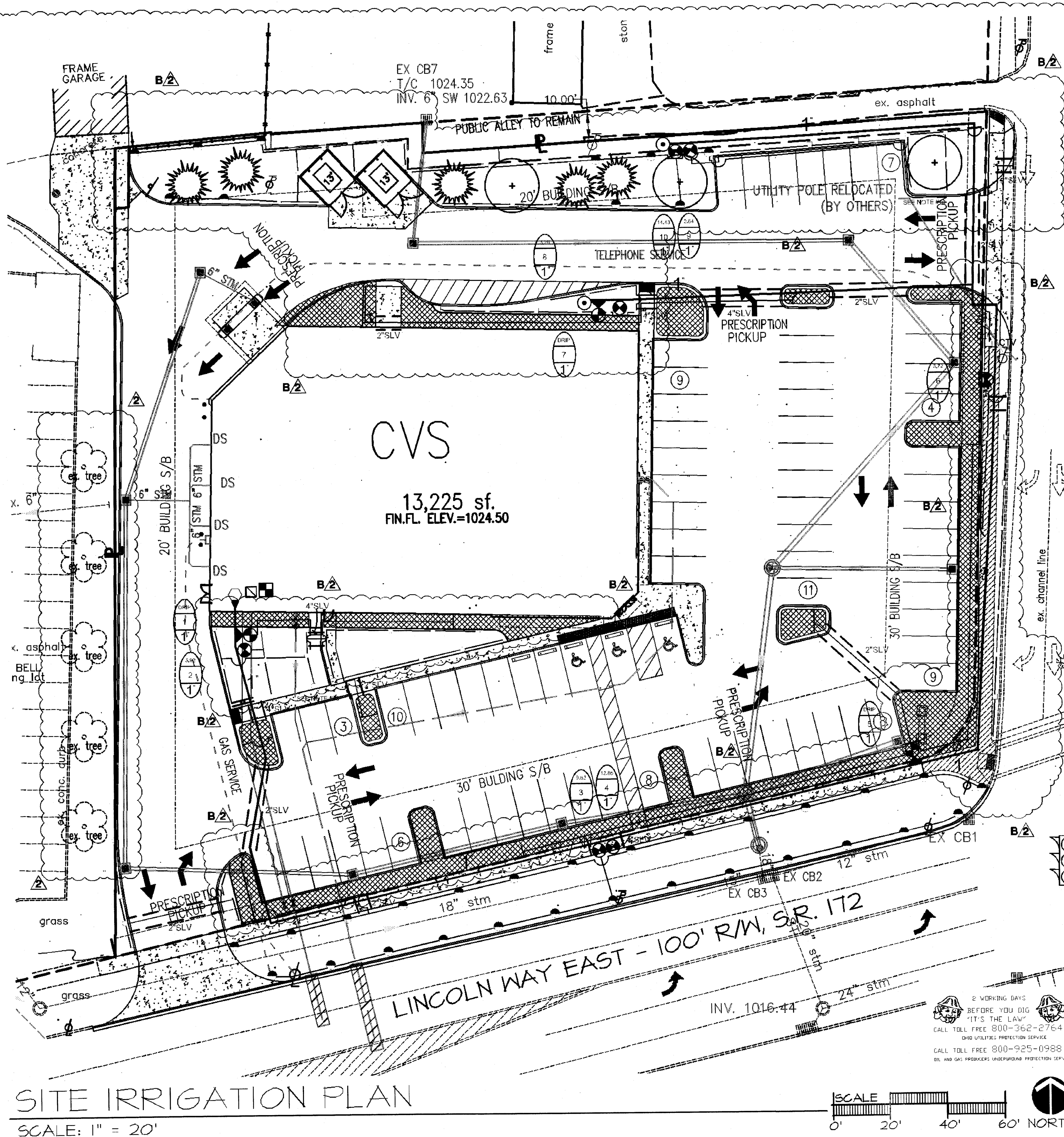
LATERAL PIPE SIZE CHART FOR CLASS 200

1"	1 - 17 GPM
1.5"	18 - 35 GPM
2"	36 - 55 GPM

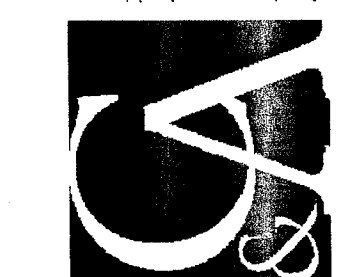


IRRIGATION SPECIFICATIONS

- ALL WORK IS TO BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES.
- ALL UNDERGROUND ELECTRICAL CONNECTIONS ARE TO BE MADE WITH 3-M WIRE CONNECTORS, DBY.
- ALL AUTO CONTROL VALVES ARE TO BE INSTALLED IN CARSON VALVE BOXES OF APPROPRIATE SIZE.
- ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED FOR DIRECT BURY.
- ALL ROTORS AND SPRAY POP-UPS SHALL BE INSTALLED ON SHING PIPE.
- ALL QCV SHALL BE INSTALLED ON 3-ELBOW PVC SHING JOINTS.
- SYSTEM DESIGN BASED UPON 15 GPM @ 75 PSI.
- ANY CHANGES IN AVAILABILITY OF SUPPLY SHOULD BE NOTED AND MODIFICATIONS TO THE DESIGN SHOULD BE MADE.
- CONTRACTOR TO VERIFY WATER PRESSURE AND AVAILABILITY PRIOR TO INSTALLATION.
- ANY IRRIGATION PIPING SHOWN OUTSIDE OF CURBS FOR CLARITY ONLY.
- 120V. TO CONTROLLER AND COPPER STUB, BY OTHER THAN IRRIGATION CONTRACTOR.
- THERE WILL BE NO SUBSTITUTIONS OR CHANGES TO THE IRRIGATION DESIGN ALLOWED WITHOUT DIRECT, WRITTEN APPROVAL FROM THE IRRIGATION CONSULTANT.



CAWRSE & ASSOCIATES, INC.
Landscape Architecture · Land Planning
349 E. Washington Street · Chagrin Falls, OH 44122
440-247-7003/fax 440-247-7145



IRRIGATION PLAN
CVS MASSILLON
NWC LINCOLN WAY EAST AND WALES RD. MASSILLON, OH
ZAR EMBA GROUP, LLC
14600 DETROIT AVE., LAKEWOOD, OH 44107

Date	Notes
02-08-10	FOR BID
02-16-10	ADDENDUM
02-26-10	ADDENDUM
04-06-10	BULLETIN

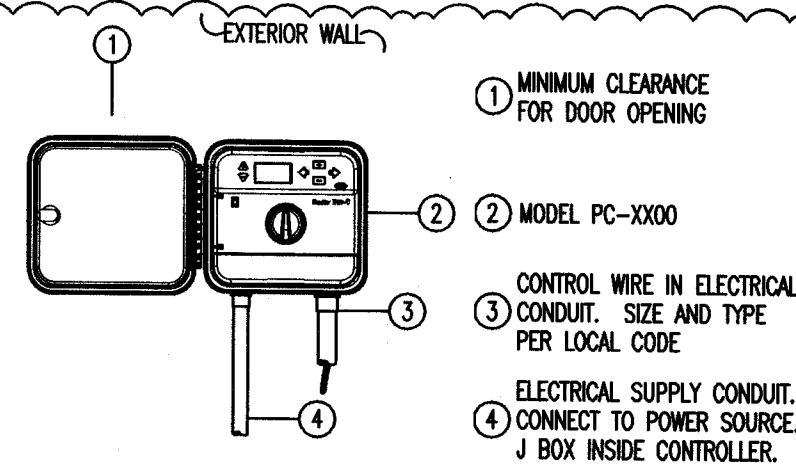
Job No: 09060
File: 090610 cvs massillon I.F.dwg

I-1

Sheet 2 of 3
Copyright © Cawrse & Associates, Inc.

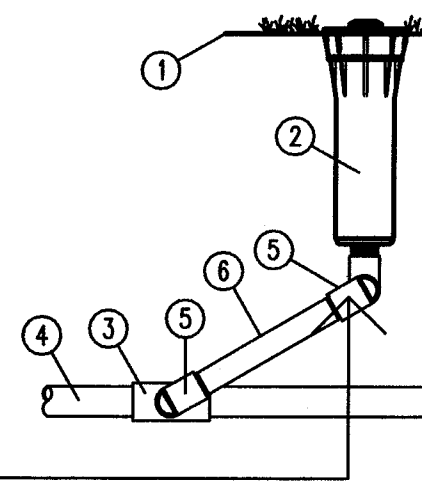
JOHN DEERE
LANDSCAPES

31631 DEQUINDRE RD
MADISON HEIGHTS, MI 48071
PH: (248) 588-1741
FX: (248) 588-1863
WWW.JohnDeereLandscapes.com
jpark@JohnDeereLandscapes.com

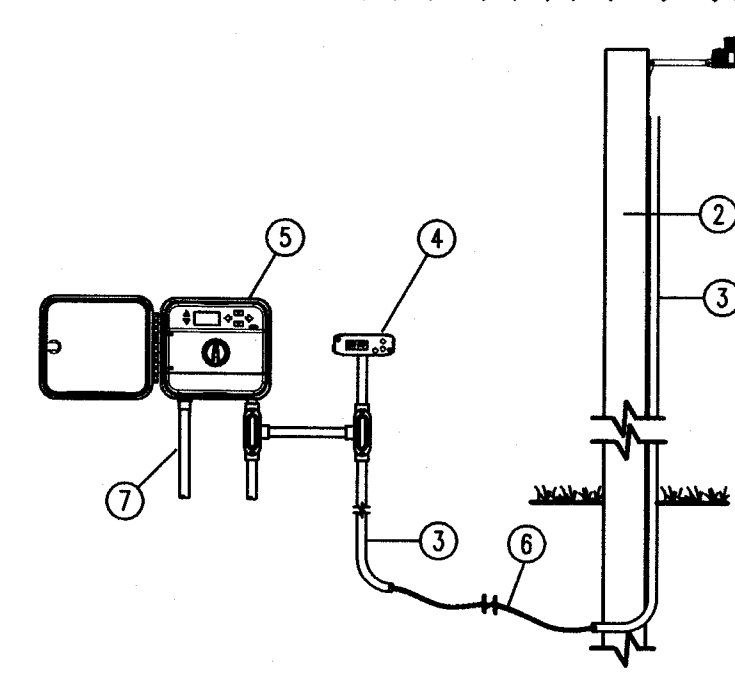


NOTE
SPECIFY 3, 6, 9, 12, 15 STATION MODEL CONTROLLER. MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 VAC SOURCE.

- 1 FINISH GRADE
- 2 MODEL MPR40-04-CV
- 3 LATERAL TEE OR ELL
- 4 LATERAL PIPE
- 5 1/2" PVC STREET ELLS (3)
- 6 SCH 80 NIPPLE



MPR40-04



- 1 MODEL: SOLAR SYNC SENSOR
- 2 SUITABLE POST OR POLE MOUNT, MIN 6FT. ABOVE TURF, MOUNT IN LOCATION THAT MAXIMIZES DIRECT SUNLIGHT
- 3 CONDUIT FROM SOLAR SYNC SENSOR TO SOLAR SYNC MODULE
- 4 MODEL SOLAR SYNC MODULE
- 5 MOUNT LESS THAN 6" AWAY FROM CONTROLLER. MODULE CAN BE MOUNTED INTERNALLY WHEN PAIRED WITH THE PCC CONTROLLER.
- 6 COMPATIBLE HUNTER CONTROLLERS: ICC, PRO-C, PCC
- 7 COMMUNICATION WIRE FROM MODULE TO SENSOR. MAX 200 FT WIRE DISTANCE
- 8 POWER SOURCE

NOTE
WIRE FROM MODULE TO SENSOR SHALL BE 18/2. USE CONTROLLER SMART PORT TO CONNECT TO MODULE UNIT.

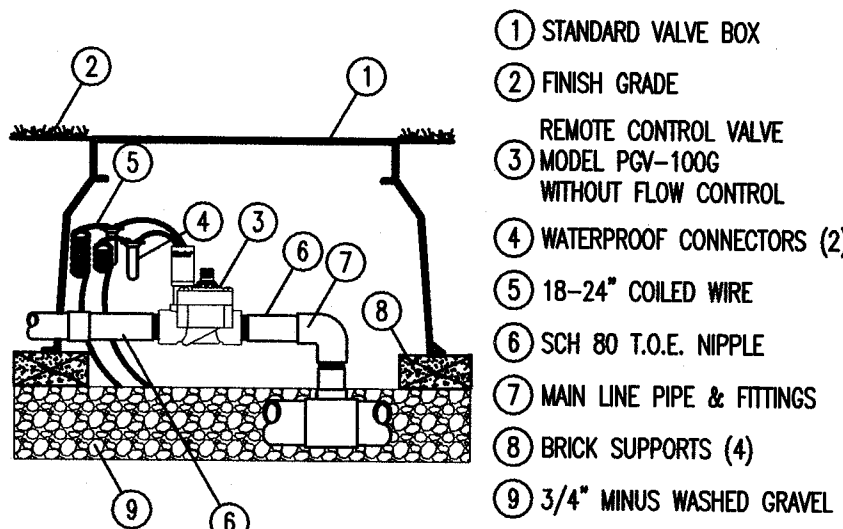
IRRIGATION DETAIL

1 PRO-C CONTROLLER
1-2 NOT TO SCALE

IRRIGATION DETAIL

2 MP ROTATOR SPRINKLER
1-2 NOT TO SCALE

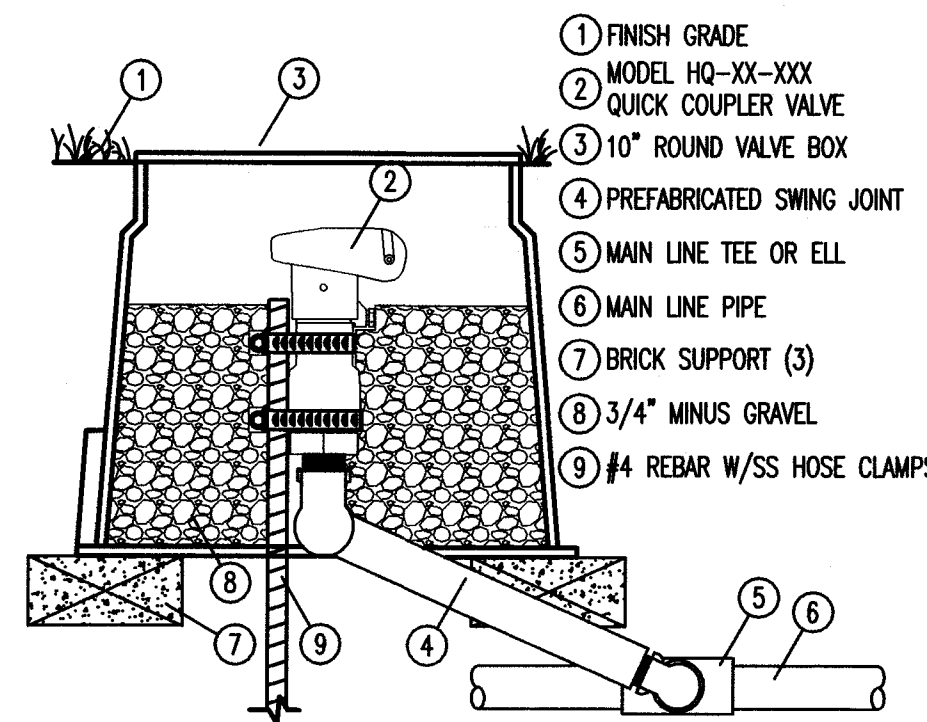
3 SOLAR SYNC SYSTEM
1-2 NOT TO SCALE



- 1 STANDARD VALVE BOX
- 2 FINISH GRADE
- 3 REMOTE CONTROL VALVE
- 4 MODEL PGV-100G WITHOUT FLOW CONTROL
- 5 WATERPROOF CONNECTORS (2)
- 6 18-24" COILED WIRE
- 7 SCH 80 T.O.E. NIPPLE
- 8 MAIN LINE PIPE & FITTINGS
- 9 BRICK SUPPORTS (4)
- 10 3/4" MINUS WASHED GRAVEL

IRRIGATION DETAIL

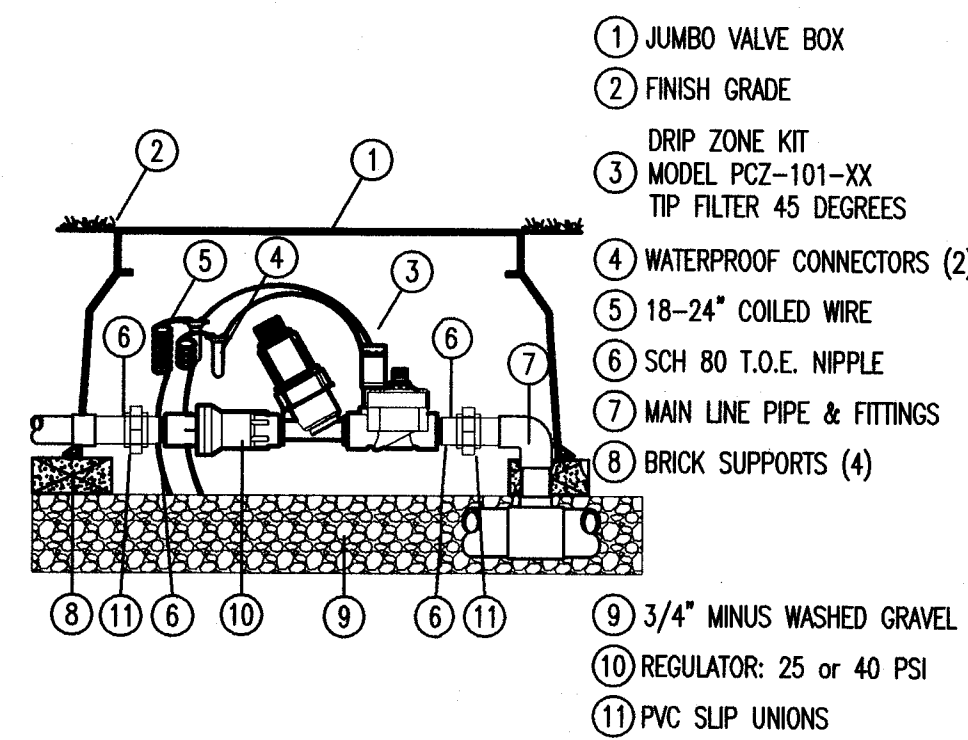
4 PGV GLOBE VALVE
1-2 NOT TO SCALE



- 1 FINISH GRADE
- 2 MODEL HQ-XX-XXX
- 3 QUICK COUPLER VALVE
- 4 10" ROUND VALVE BOX
- 5 PREFABRICATED SWING JOINT
- 6 MAIN LINE TEE OR ELL
- 7 MAIN LINE PIPE
- 8 BRICK SUPPORT (3)
- 9 3/4" MINUS GRAVEL
- 10 #4 REBAR W/SS HOSE CLAMPS

IRRIGATION DETAIL

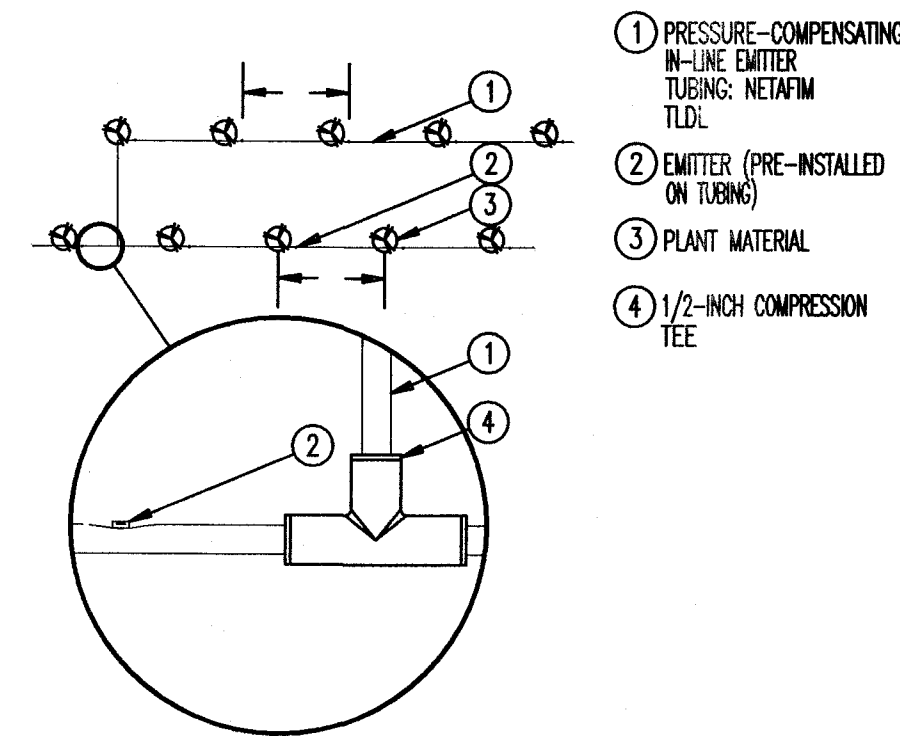
5 QUICK COUPLER VALVE
1-2 NOT TO SCALE



- 1 JUMBO VALVE BOX
- 2 FINISH GRADE
- 3 DRIP ZONE KIT
- 4 MODEL PCZ-101-XX TIP FILTER 45 DEGREES
- 5 WATERPROOF CONNECTORS (2)
- 6 18-24" COILED WIRE
- 7 SCH 80 T.O.E. NIPPLE
- 8 MAIN LINE PIPE & FITTINGS
- 9 BRICK SUPPORTS (4)
- 10 3/4" MINUS WASHED GRAVEL
- 11 REGULATOR: 25 or 40 PSI
- 12 PVC SLIP UNIONS

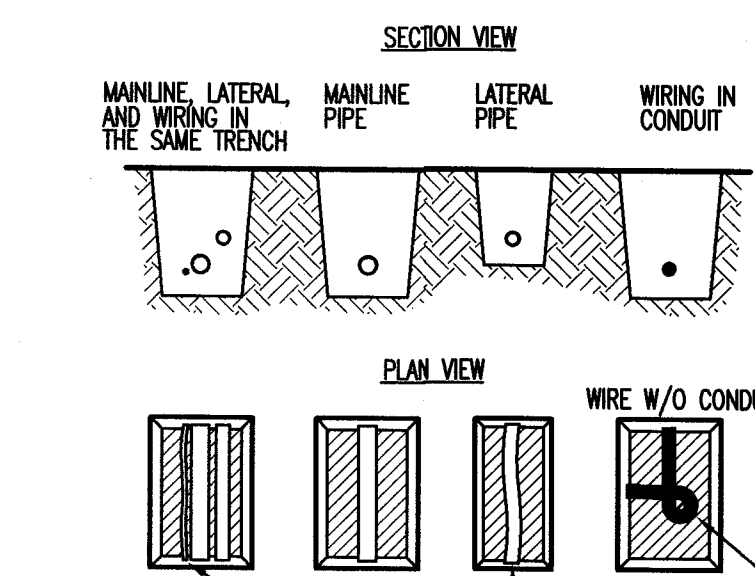
IRRIGATION DETAIL

6 DRIP CONTROL ZONE
1-2 NOT TO SCALE

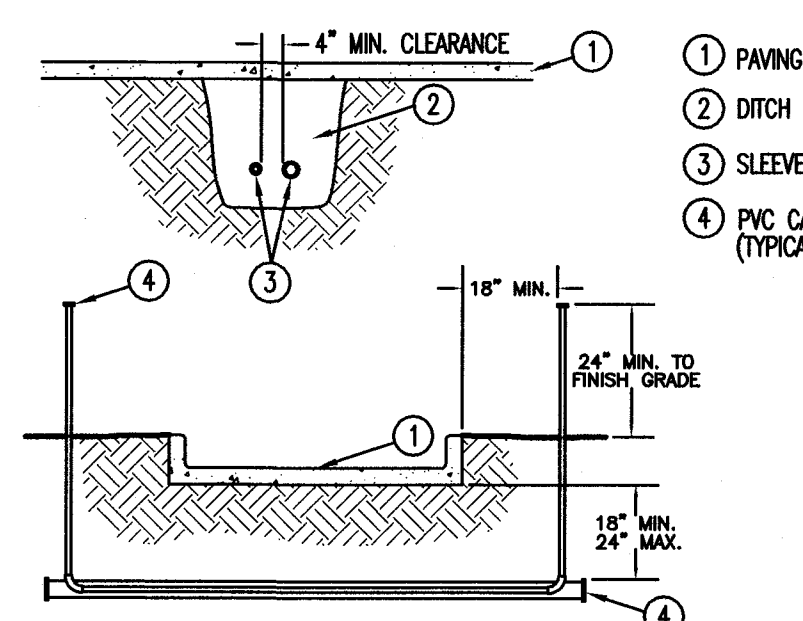


- 1 PRESSURE-COMPENSATING IN-LINE EMITTER TUBING: NETAFIM TLD
- 2 EMITTER (PRE-INSTALLED ON TUBING)
- 3 PLANT MATERIAL
- 4 1/2" INCH COMPRESSION TEE

7 NETAFIM DRIP LINE
1-2 NOT TO SCALE

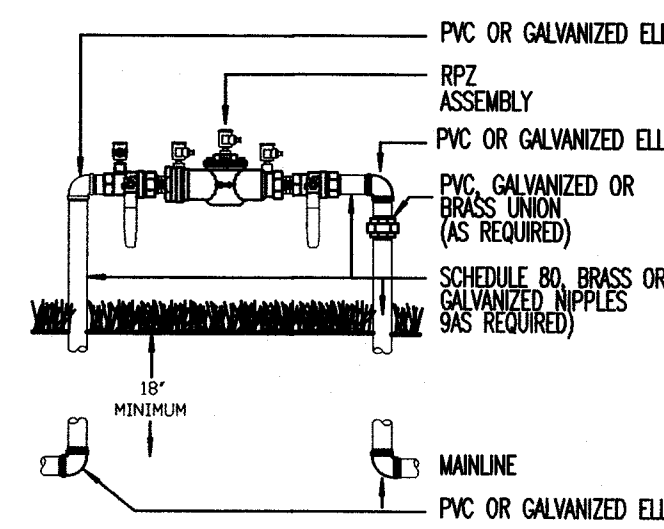


1. SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH CLASS 200 PVC TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
2. FOR PIPE AND WIRE BURIAL DEPTHS SEE SPECIFICATIONS.



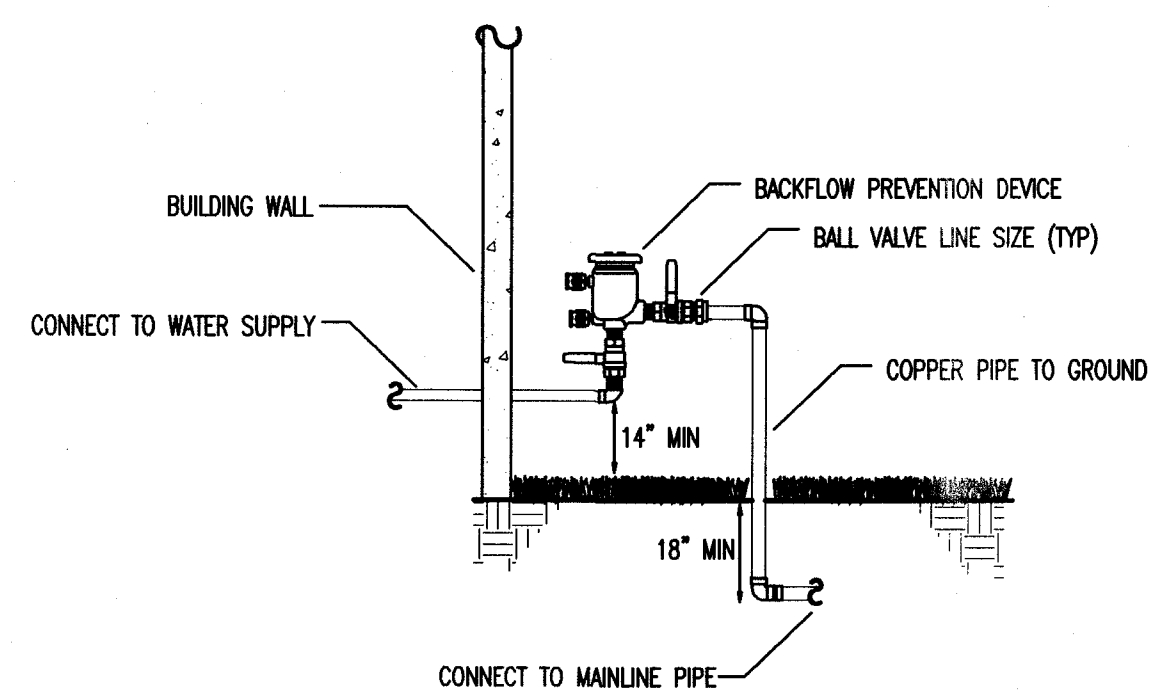
1. ALL PVC IRRIGATION SLEEVES TO BE CLASS 200 PIPE.
2. ALL JOINTS TO BE SOLVENT WELDED AND WATER TIGHT.
3. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE.
4. MECHANICALLY TAMP TO SOIL FIRM.

9 SLEEVING
1-2 NOT TO SCALE



- NOTE: INSTALL PER LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. INSULATE AS REQUIRED.

10 RPZ BACKFLOW PREVENTER
1-2 NOT TO SCALE

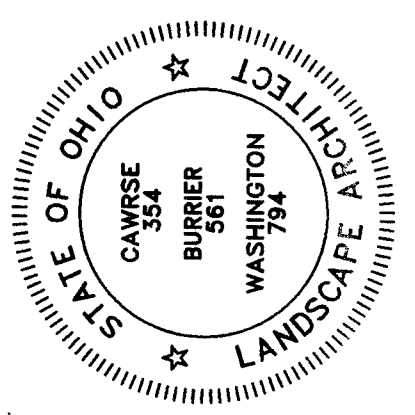


11 PRESSURE VACUUM BREAKER
1-2 NOT TO SCALE



**JOHN DEERE
LANDSCAPES**

31691 DEQUINDRE RD
MADISON HEIGHTS, MI 48071
PH: (248) 588-7747
FX: (248) 588-7363
WWW.JohnDeereLandscapes.com
jparko@JohnDeereLandscapes.com



CAWRSE & ASSOCIATES, INC.
Landscape Architecture • Land Planning
549 E. Washington Street • Chagrin Falls, OH 44022
440-247-7143 / fax 440-247-7143



IRRIGATION DETAILS
CVS MASSILLON
NWC LINCOLN WAY EAST AND WALES RD, MASSILLON, OH
ZAREMBA GROUP, LLC
14600 DETROIT AVE., LAKEWOOD, OH 44107

Date Notes
02-08-10 FOR BID
02-16-10 ADDENDUM

Job No: 09060

File: 020810 cvs massillon I1.dwg

I-2

Sheet 3 of 3

COPYRIGHT © C&A ASSOCIATES