

DOLLAR GENERAL 10554 NORTHFIELD ROAD VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO IMPROVEMENT & SWPP PLANS

STORE No. 3709

CONTACT INFORMATION

PUBLIC SERVICE SUPERINTENDENT
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199 LEDGE ROAD
NORTHFIELD, OHIO 44087
(330) 448-4363

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CLEVELAND, OHIO
(216) 444-1130

SUMMIT COUNTY SOIL & WATER CONVERSION DISTRICT
1180 SOUTH MAIN STREET
MARIETTA, OHIO 44130
(330) 529-2871

FIRE DEPARTMENT
JASON L. BUSS
FIRE CHIEF
(330) 447-7137 x22

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VILLAGE ENGINEER
ELI WOLWEND, INC.
RICHARD S. WOLWEND P.E. P.S.
5255 SHERBROOK DRIVE
CLEVELAND, OHIO 44136
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NORTHFIELD, OHIO 44087
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CLEVELAND, OHIO 44115
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AT&T TELEPHONE
(855) 854-8171

SITE INFORMATION	CODE SECTION	REQUIRED	PROPOSED (SHOWN)	COMPLIANCE STATUS
ZONING AUTHORITY	N/A	VILLAGE OF NORTHFIELD		
ZONING CLASSIFICATION	ZONING MAP	B-2 (HIGHWAY BUSINESS DISTRICT) OVERLAY AREA	B-2 (HIGHWAY BUSINESS DISTRICT) B-1 RESIDENTIAL	COMPLIANT
LAND USE	1268 D(1) 1268 D(4)	WAREHOUSE	RETAIL STORE	COMPLIANT
MINIMUM LOT AREA	N/A	N/A	52,237 SQ FT	
MINIMUM LOT WIDTH	N/A	N/A	1,199 FEET	
MINIMUM LOT DEPTH	N/A	N/A	373.56 FT (LOWING BLVD) 294.65 FT (HINEMAN BLVD)	
MINIMUM BUILDING HEIGHT	1268 D(1) B-1 1268 D(4) B-2	3 STORES OR 30 FT	21'-0" @	COMPLIANT
MINIMUM FLOOR AREA RATIO	N/A	N/A	1:4.9	
MINIMUM LOT COVERAGE (BUILDING)	N/A	N/A	20%	
BUILDING SETBACKS				
FRONT	1268 D(4) B-1 1268 D(4) B-2	50 FT (LOWING BLVD)	44.30 FT	VARVANCE GRANTED 12.18.2019
SIDE (BASED ON ORIGINAL S R B WIDTH OF 60 FT WIDTH)	1268 D(4) B-1 1268 D(4) B-2	20 FT	17.50 FT EAST (TURNOUT) 21.75 FT EAST (FENCELINE) 122.22 FT WEST	VARVANCE GRANTED 12.18.2019
REAR	1268 D(4) B-1 1268 D(4) B-2	5 FT	4.96 FT	
MINIMUM REQUIREMENTS				
FLOOR AREA DEFINITION	N/A	N/A	CROSS FLOOR 10,640 SF	
PARKING SPACES	1267 F(1)	1 SP/700 SF OF GROSS (10,640/700) = 15 SP	30 SPACES PROVIDED (EVEN SPACES ALIGNED WITH PARKING STRIPWAYS)	VARVANCE GRANTED 12.18.2019
ADA SPACES REQUIRED	N/A	1 SPACES	2 SPACES	COMPLIANT
PARKING STRIP DIMENSIONS	1278 D(1)(a)	9 FT + 20 FT	9 FT + 25 FT	COMPLIANT
PARKING SETBACK				
FRONT	1268 D(4)	DETERMINED BY PLANNING COMMISSION	3.50 FT	COMPLIANT
SIDE	1268 D(4)(c)	20 FT EAST 10 FT WEST (NEW R-1 WITHIN OTHER LOCAL OVERLAY)	41.00 FT EAST 17.00 / 56.00 FT WEST	COMPLIANT
REAR	1268 D(4)	5.00 FT	10.2 FT	COMPLIANT
LOADING SPACES REQUIRED	N/A	N/A	1	
MAXIMUM IMPERVIOUS SURFACE	N/A	N/A	28,728 SF 25.08	



VICINITY MAP

SCALE 1" = 100'

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SUBMITTED BY:

Richard S. Wolwend

ELI WOLWEND
REG. ENGINEER NO. E-88183
WOLWEND ENGINEERING GROUP, LTD.

12/09/19
DATE

APPROVED BY:

VILLAGE OF NORTHFIELD PLANNING COMMISSION

DATE

VILLAGE OF NORTHFIELD COUNCIL

DATE

VILLAGE OF NORTHFIELD ENGINEER

DATE



DOLLAR GENERAL
 10554 NORTHFIELD ROAD
 VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO



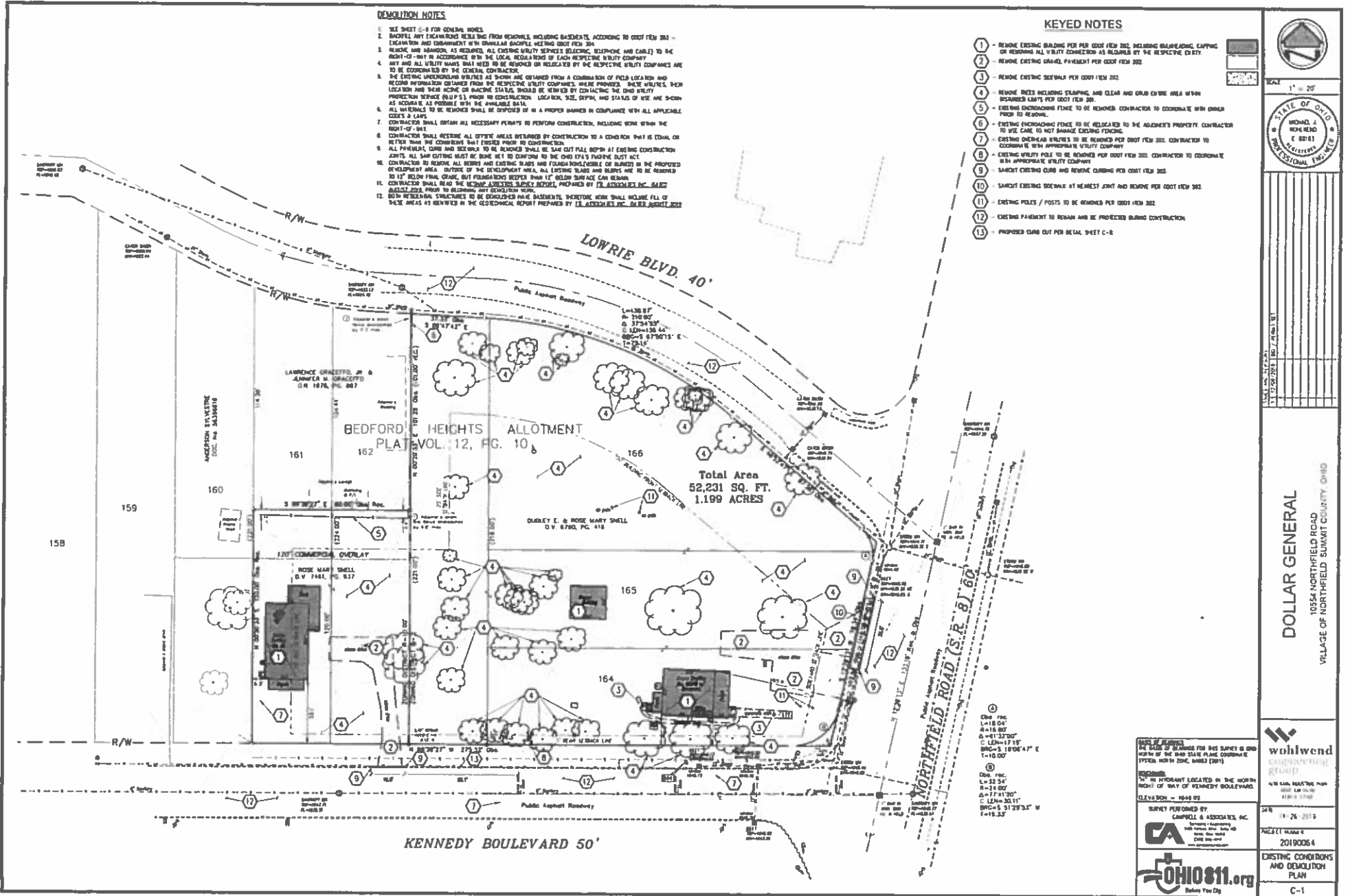
DATE: 11.26.2019
PROJECT NUMBER: 20190064
SHEET: ONE SHEET
C-15

DEMOLITION NOTES

- SEE SHEET C-4 FOR GENERAL NOTES.
- REMOVE ALL EXISTING REBAR FROM REMOVAL, INCLUDING BASEMENTS, ACCORDING TO FOOT PER 304 - EXPLANATION AND EQUIPMENT WITH CRUSHABLE BAGGAGE USING FOOT PER 304.
- REMOVE AND ABANDON, AS REQUIRED, ALL EXISTING UTILITY SERVICES (ELECTRIC, TELEPHONE AND CABLE) TO THE RIGHT-OF-WAY IN ACCORDANCE WITH THE LOCAL REGULATIONS OF EACH RESPECTIVE UTILITY COMPANY. ANY AND ALL UTILITY MARKS 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 PUBLIC LOCATION AND RECORD INFORMATION OBTAINED FROM THE RESPECTIVE UTILITY COMPANIES, WHERE PROVIDED. THESE UTILITIES, THEIR LOCATION AND THEIR ACME OR MACHINE, SHOULD BE VERIFIED BY CONTACTING THE Ohio UTILITY PROTECTION SERVICE (OUPS), PRIOR TO CONSTRUCTION. LOCATION, SIZE, DEPTH, AND STATUS OF USE ARE SHOWN AS KNOWN OR AS FEASIBLE WITH THE AVAILABLE DATA.
- ALL MATERIALS TO BE REMOVED SHALL BE DISPOSED OF IN A PROPER MANNER IN COMPLIANCE WITH ALL APPLICABLE CODES & LAWS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO PERFORM CONSTRUCTION, INCLUDING WORK WITHIN THE RIGHT-OF-WAY.
- CONTRACTOR SHALL RESTORE ALL EXISTING AREAS OBTAINED BY CONSTRUCTION TO A CONDITION THAT IS EQUAL OR BETTER THAN THE CONDITION THAT EXISTED PRIOR TO CONSTRUCTION.
- ALL EXISTING CURBS AND SIDEWALKS TO BE REMOVED SHALL BE SAW CUT FULL DEPTH AT EXISTING CONSTRUCTION JOINTS. ALL SAW CUTTING MUST BE DONE IN ACCORDANCE WITH THE OHIO DOT'S PAVING BEST PRACTICES.
- CONTRACTOR TO REMOVE ALL REBAR AND EXISTING SLABS AND FOUNDATIONS (WHENEVER APPLICABLE) IN THE PROPOSED DEVELOPMENT AREA. EXPOSED OF THE DEVELOPMENT AREA, ALL EXISTING SLABS AND REBAR ARE TO BE REMOVED TO 1" BELOW FINAL GRADE, BUT FOUNDATIONS DEEPER THAN 12" BELOW SURFACE CAN REMAIN.
- CONTRACTOR SHALL READ THE "MINIMUM ADEQUATE SUPPLY SCHEDULE, PREPARED BY T.L. ACKERLEY, INC. SALES BRANCH, OHIO, PRIOR TO BEGINNING ANY DEMOLITION WORK.
- BOTH RESIDENTIAL STRUCTURES TO BE DEMOLISHED HAVE BASEMENTS. EXISTING WORK SHALL INCLUDE FILL OF THESE AREAS AS SERVICES IN THE GEOLOGICAL REPORT PREPARED BY T.L. ACKERLEY, INC. SALES BRANCH, OHIO.

KEYED NOTES

- REMOVE EXISTING BLADING PER PER FOOT PER 302, INCLUDING GRASS/LEAVING CAPPING OR REMOVING ALL UTILITY CONNECTION AS REQUIRED BY THE RESPECTIVE ENTITY.
- REMOVE EXISTING GRASS/PAVEMENT PER FOOT PER 302.
- REMOVE EXISTING SIDEWALK PER FOOT PER 302.
- REMOVE NOTES INCLUDING STAMPS, AND CLEAR AND GRAB CENTER AREA WITH INSURED LIMITS PER FOOT PER 302.
- EXISTING ENCROACHING FENCE TO BE REMOVED. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO REMOVAL.
- EXISTING ENCROACHING FENCE TO BE RELOCATED TO THE ADJACENT PROPERTY CONTRACTOR TO USE CARE TO NOT DAMAGE EXISTING FENCING.
- EXISTING OVERHEAD UTILITIES TO BE REMOVED PER FOOT PER 302. CONTRACTOR TO COORDINATE WITH APPROPRIATE UTILITY COMPANY.
- EXISTING UTILITY POLE TO BE REMOVED PER FOOT PER 302. CONTRACTOR TO COORDINATE WITH APPROPRIATE UTILITY COMPANY.
- REMOVE EXISTING CURBS AND REMOVE CURBING PER FOOT PER 302.
- REMOVE EXISTING SIDEWALK AT NEAREST JOINT AND REMOVE PER FOOT PER 302.
- EXISTING POLES / POSTS TO BE REMOVED PER FOOT PER 302.
- EXISTING PAVEMENT TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- PROPOSED CURB CUT PER DETAIL SHEET C-6.



STATE OF OHIO
DONALD J. WELCH
PE 65761
PROFESSIONAL ENGINEER

DATE	10/20/2013
SCALE	1" = 20'
PROJECT NAME	20190064
DATE	11-26-2013
PROJECT NUMBER	20190064
DATE	11-26-2013
PROJECT NAME	20190064
DATE	11-26-2013

DOLLAR GENERAL
10554 NORTHFIELD ROAD
VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO

whitwend
CONSULTING ENGINEERS
4150 SAN HEATHER PARK
COLUMBUS, OHIO 43219
614.291.1100

DATE: 11-26-2013
PROJECT NUMBER: 20190064
EXISTING CONDITIONS AND DEMOLITION PLAN
C-1

MADE BY REFERENCE TO THE BASE OF BLANKS FOR THIS SURVEY IS ONE FOOT OF THE OHIO STATE PLANE COORDINATE SYSTEM NORTH ZONE, NAD83 (2011).

NEIGHBORING 1/4" IN HYDRAUNT LOCATED IN THE NORTH RIGHT-OF-WAY OF KENNEDY BOULEVARD.

ELEVATION = 1040.00

SURVEY PROVIDED BY
CA CAMPBELL & ASSOCIATES, INC.
Survey & Engineering
1400 North State Street, Suite 400
Columbus, Ohio 43260
614.291.1100
www.campbellandassociates.com

OHIO811.org
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①
L=138.81'
A=118.04°
B=118.04°
C=81.3230°
SBC=3.1870°47' E
T=10.00'

②
L=52.24'
A=24.00°
B=77.4130°
C=129.3111°
SBC=5.1129°31' W
T=10.32'

1377 1/2" x 11" sheets, 2013, 11/26/13, 11:21:43 AM

NOTES

1. ALL DIMENSIONS SHOWN ARE TO CENTER EDGE OF CURB, BUILDING COLUMN, FACE OF CURB, OR EDGE OF PAVEMENT, UNLESS OTHERWISE SHOWN.
2. VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL AND FOUNDATION PLANS.

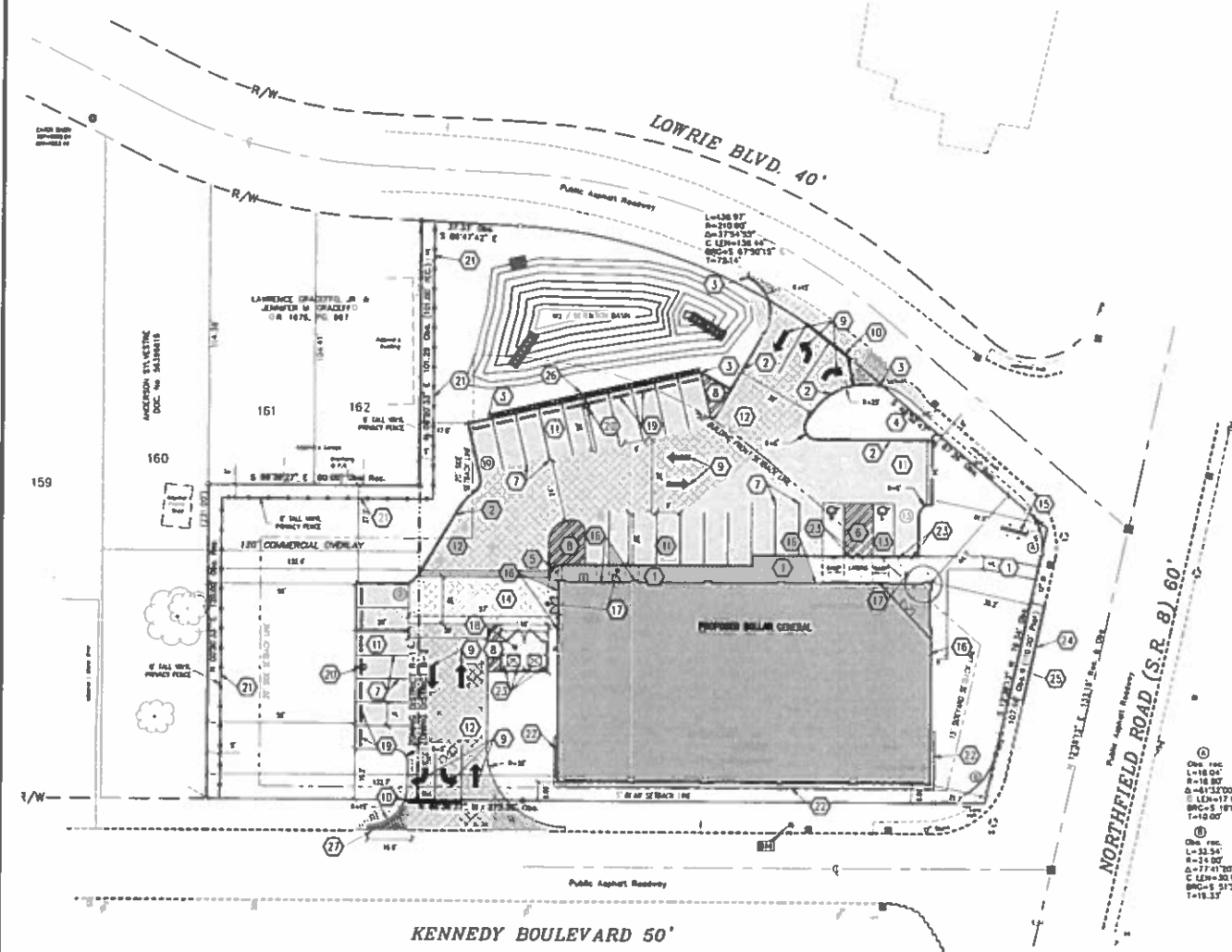
HANDICAP PARKING AREA NOTE
IN 48 HOURS OF PLACEMENT, ALL ACCESSIBLE PARKING AREAS AND ASSOCIATED SIDEWALKS AND RAMPS MUST BE SURVEYED BY A LICENSED SURVEYOR AND PROVIDED TO OWNER/OWNER. ANY NONCOMPLIANT AREAS SHALL BE REWORKED AND RESURFACED UNTIL THEY ARE COMPLIANT WITH THE CONSTRUCTION PLAN.

SIGHT TRIANGLE DIAGRAM



KEYED NOTES

- 1 - INSTALL 4" DEEP CONCRETE CURB PER DETAIL SHEET C-1, CONSISTING OF 4" OF CLASS 20-1 CONCRETE OVER 4" OF COMPACTED NO. 57 LIMESTONE ON COMPACTED SUBGRADE. OTHER SIDEWALK IS ADJACENT TO PROPOSED CURB. INSTALL SIDEWALK AND CURB AS SPECIAL CURB AND WALK. SEE SHEET C-6.
- 2 - INSTALL TYPE 9 CONCRETE CURB PER DETAIL ON SHEET C-6.
- 3 - CURB TRANSITION FROM 6" TO 4" PER DETAIL SHEET C-6.
- 4 - CONTRACTION JOINT TO BELOCATED PROPOSED ASPHALT INTO THE EXISTING GRADE.
- 5 - 1/2" THICK PAVEMENT FROM 4" CURB REVEAL TO 10' CURB REVEAL TO PROVIDE GRASP FOR LEADING AREA. SEE GRADING PLAN FOR ADDITIONAL INFORMATION.
- 6 - HANDICAP PARKING AREA SEE SHEET C-10 FOR DETAILS. WITHIN 48 HOURS OF PLACEMENT, ALL ACCESSIBLE PARKING AREAS AND ASSOCIATED SIDEWALKS AND RAMPS MUST BE SURVEYED BY A LICENSED SURVEYOR AND PROVIDED TO OWNER/OWNER. ANY NONCOMPLIANT AREAS SHALL BE REWORKED AND RESURFACED UNTIL THEY ARE COMPLIANT WITH THE CONSTRUCTION PLAN.
- 7 - PAVEMENT STRIPING - 4" WIDE PER FOOT FROM 6" CURB. PROVIDE STRIPING WILLIAMS PRO GRAF TRAFFIC MARKING PAINT YELLOW RESALE. TYPICAL ALL PAVEMENT STRIPING EXCEPT FOR HANDICAP PARKING AREA.
- 8 - PAVEMENT ISLAND STRIPING PER DETAIL SHEET C-12. PROVIDE STRIPING WILLIAMS PRO GRAF TRAFFIC MARKING PAINT YELLOW RESALE. APPLY 2" WIDE PAVEMENT STRIPING. APPLY ISLAND STRIPING THAT IS 4" WIDE YELLOW PAINTED STRIPE AND 14" O.C. AT AN ANGLE OF 45 DEGREES WITH THE LONG DIMENSION OF THE ISLAND.
- 9 - PAVEMENT SHOULDER PER DETAIL SHEET C-12. PROVIDE STRIPING WILLIAMS PRO GRAF TRAFFIC MARKING PAINT YELLOW RESALE.
- 10 - STOP BAR STRIPING - 2" WIDE PER FOOT FROM 6" CURB. PROVIDE STRIPING WILLIAMS PRO GRAF TRAFFIC MARKING PAINT YELLOW RESALE. TYPICAL ALL PAVEMENT STRIPING EXCEPT FOR HANDICAP PARKING AREA.
- 11 - INSTALL PROPOSED STANDARD DUTY ASPHALT PAVEMENT, PER DETAIL SHEET C-8.
- 12 - INSTALL PROPOSED HEAVY DUTY ASPHALT PAVEMENT, PER DETAIL SHEET C-8.
- 13 - INSTALL PROPOSED STANDARD DUTY CONCRETE PAVEMENT, PER DETAIL SHEET C-8.
- 14 - INSTALL PROPOSED HEAVY DUTY CONCRETE PAVEMENT, PER DETAIL SHEET C-8.
- 15 - INSTALL PROPOSED PAVEMENT SOAK BY SPRES.
- 16 - DROP SIDEWALK 2" OVER 5' (SEE MAX SLOPE) COORDINATE WITH GRADING PLAN SHEET C-4 AND ARCHITECTURAL PLANS.
- 17 - INSTALL CONCRETE FROST SLAB AT ALL DOORS PER ARCHITECTURAL AND STRUCTURAL DETAILS.
- 18 - INSTALL 4" WALL MASONRY BRAMPTON ENCLOSURE WITH METAL GLASS OPERA GLASS. SEE ARCHITECTURAL PLAN FOR ADDITIONAL DETAILS.
- 19 - INSTALL WHEEL STOPS PER DETAIL SHEET C-8.
- 20 - PROPOSED LIGHT POLE - SEE SITE ELECTRICAL PLANS BY OTHERS.
- 21 - PROPOSED IF TALL SOLID WHITE VINYL FENCE, POSTS SHALL BE SET AT MAXIMUM 8 FOOT CENTERS.
- 22 - RETAINING WALL PER ARCHITECTURAL / STRUCTURAL PLANS. SEE GRADING PLAN SHEET C-4 FOR ADDITIONAL INFORMATION ON HEIGHT.
- 23 - PROPOSED BOLLARDS PER DETAIL SHEET C-10. 2 EACH BOLLARD (EACH BRAMPTON) 1 AT GATE ACCESS AND AT EXCHANGE BOOK, 1 AT GATE, CENTERED ON BOOK.
- 24 - PROPOSED TYPE 9 CONCRETE REVEAL TO MATCH EXISTING CURB REVEAL.
- 25 - PROPOSED TYPE 9 CONCRETE SIDEWALK PER DETAIL SHEET C-6.
- 26 - INSTALL NO. 1 AND 2 LIMESTONE GRAVEL STRIP, 4" WIDE x 12" THICK, ALONG EDGE OF PAVEMENT. TOP OF GRAVEL TO BE 1" BELOW ASPHALT PAVEMENT.
- 27 - PROPOSED DRIP CURB PER DETAIL SHEET C-8.



Curve Data:
 Curve 1:
 L=438.97'
 R=310.00'
 Δ=37°54'30"
 C LENS=120.00'
 BVC=+5 07°30'15"
 P=78.14'

Curve 2:
 L=23.54'
 R=34.00'
 Δ=77°41'00"
 C LENS=17.19'
 BVC=+5 10°28'47"
 P=10.00'

STATE OF OHIO
DEPARTMENT OF PUBLIC SAFETY
PROFESSIONAL ENGINEER

DOLLAR GENERAL
 10554 NORTHFIELD ROAD
 VILLAGE OF NORTHFIELD, SUMMIT COUNTY OHIO

wohlwend engineering group
 4211 ONE HOLLOWAY, SUITE 200
 COLUMBUS, OHIO 43230

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STATE OF OHIO
DEPARTMENT OF PUBLIC SAFETY
PROFESSIONAL ENGINEER

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DATE: 11-26-2019
 PROJECT NUMBER: 20190064
 SHEET: SITE PLAN
 C-2

1:1000 SCALE FOR ALL DIMENSIONS UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO CENTER EDGE OF CURB, BUILDING COLUMN, FACE OF CURB, OR EDGE OF PAVEMENT, UNLESS OTHERWISE SHOWN.

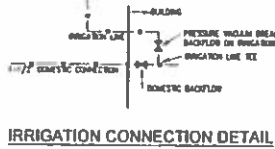
STORM SEWER STRUCTURE SCHEDULE					STORM SEWER PIPE SCHEDULE								
STRUCTURE NO.	TOP ELEV.	INLET PIPES	OUTLET PIPE	DESCRIPTION	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM SHEET	DOWNSTREAM SHEET	PIPE SIZE	LENGTH	SLOPE	DESCRIPTION	MIN. COVER
A-CATCH BASIN	1042.5		12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
B-CATCH BASIN	1041.2	12" DIA - 1041.2	12" DIA - 1041.2	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
C-CATCH BASIN	1041.2	12" DIA - 1041.2	12" DIA - 1041.2	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
D-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
E-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
F-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
G-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
H-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
I-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
J-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
K-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
L-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
M-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
N-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
O-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
P-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
Q-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5
R-CATCH BASIN	1042.5	12" DIA - 1042.5	12" DIA - 1042.5	CONC. 2-10	D-CATCH BASIN	D-CATCH BASIN	1042.5	1042.5	12"	10.00	0.002	CONCRETE PIPE	1.5

- #### STORM SEWER NOTES
1. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL BE ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE "VILLAGE OF NORTHFIELD LATEST REVISIONS TO THE MUNICIPAL ENGINEER'S ASSOCIATION OF NORTHWEST OHIO MEMBER STANDARDS FOR SEWERAGE IMPROVEMENTS", SUMMIT COUNTY AND CODE ITEM 611
 2. ALL STORM SEWER PIPE WITHIN THE PROPERTY SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) PIPE PER COST PER LB AS OR BETTER, UNLESS SPECIFIC NOTES OR 6" OUTLET PIPE FROM THE DETENTION BASIN TO CONDUIT BOARDING STORM WREN SYSTEM SHALL BE OTHER 4" OUTLET FROM Q. 3.5 ORIGINAL EXISTING LINE OF 6" PVC 30 PSI PIPE.
 3. PIPE SHALL BE ALL STORM SEWER TO HAVE SLOPE 2% MINIMUM
 4. PROVIDE STORM SEWER JOINTS THAT ARE CASHEED AND SILENT
 5. ALL HOLES IN PROPOSED STRUCTURES, INCLUDING DOWNPOUT AND UNDERDRAIN CONNECTIONS, SHALL BE CAST AT TIME OF PRECAST MANUFACTURE.

- #### SANITARY SEWER NOTES
1. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS PROJECT
 2. ALL SEWERS CONSTRUCTED UNDER THIS PLAN SHALL MEET THE REQUIREMENTS OF OUR PERMITS
 3. THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPE SHALL BE PVC PLASTIC SEWER PIPE, ASTM D 3524, 2009. ALL 8" SANITARY LATERAL SHALL BE Laid AT A MINIMUM GRADE OF 1.0%
 4. PVC SANITARY SEWER MATERIAL SHALL CONSIST OF (PVC 30.2-35 HAVING ASTM D3524) WITH GHTS CONFORMING TO ASTM D3524
 5. RECORD SANITARY SEWER CONNECTIONS ON HENNEY BOULEVARD HAVE BEEN SHOWN ON THE PLAN. CONTRACTOR MAY MODIFY THE EXISTING SANITARY SEWER IN CONCORDANCE WITH THE LOCATION OF NEW WRETS INSTALLED TO THE 7" MAINLINE, IN LIEU OF MAKING NEW CONNECTION TO THE EXISTING SANITARY SEWER.

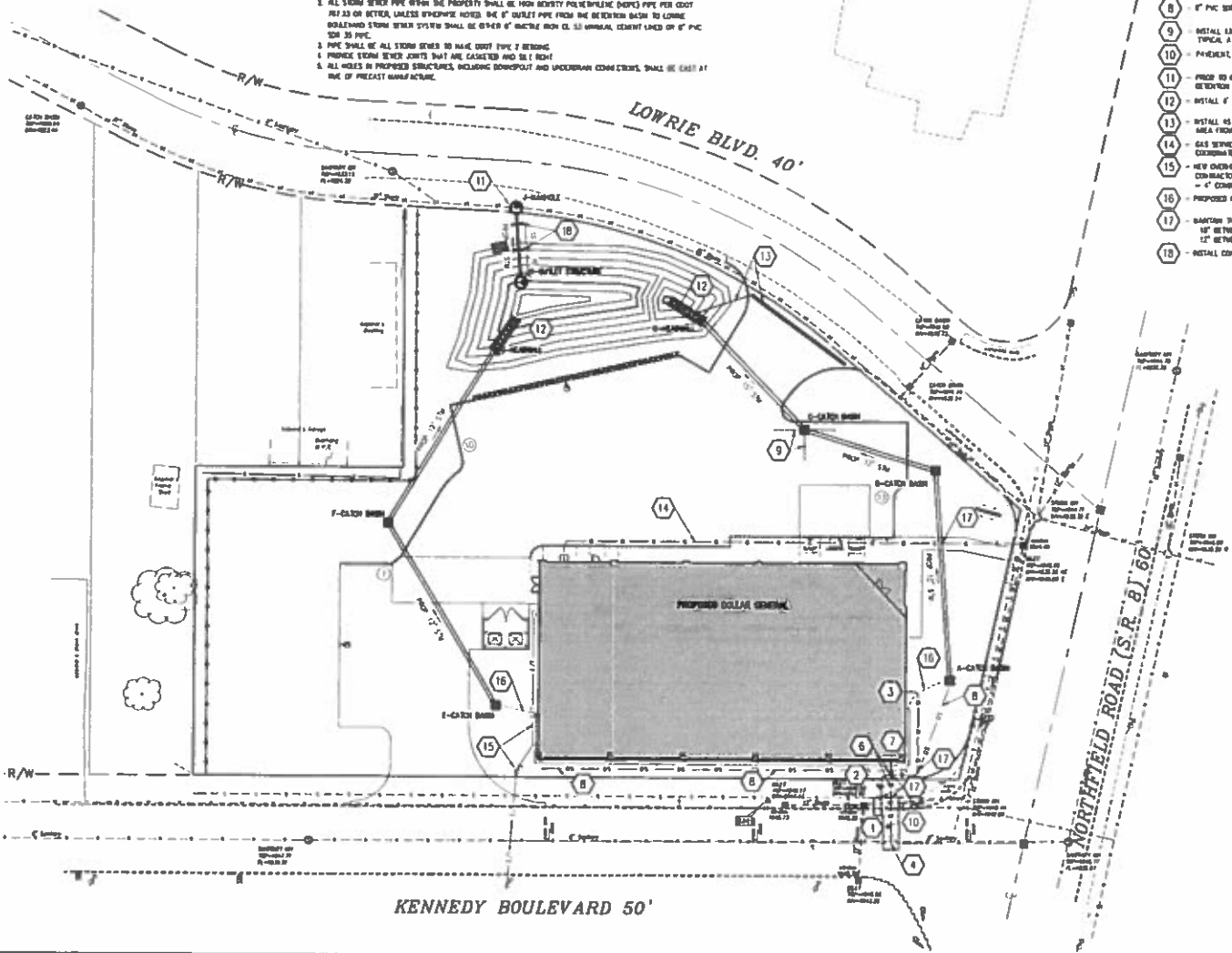
KEYED NOTES

1. PROPOSED WARE CONNECTION TO BE TAPPED BY CLEVELAND WATER DEPARTMENT
2. INSTALL AS LIE OF 3-1/2" TYPE C COPPER WATER SERVICE CONNECTION PER CITY OF CLEVELAND WATER DEPARTMENT STANDARDS AND SPECIFICATIONS
3. BACKFLOW PREVENTER, VALVES AND METER SETTING TO BE LOCATED IN BUILDING PROTECTION LINE TO HAVE THE OWN BACKFLOW PREVENTER AND BE INSTALLED AFTER DOMESTIC CONNECTION BACKFLOW. COORDINATE WITH ILLINOIS WATER DEPARTMENT STANDARDS AND SPECIFICATIONS. NO METER SETTING FOR BACKFLOW
4. NEW SANITARY SEWER CONNECTION CONTRACTOR TO VERIFY DEPTH OF EXISTING SANITARY SEWER PRIOR TO CONSTRUCTION. EX. 10" SANITARY SEWER MAY BE 3-1/2" DIA. 10" DIA. CONNECTION INSTALLED WITH 6" DIA. 12" DIA. WITH FIBERGLASS COUPLING TO MAKE WATER TIGHT CONNECTION. PER PERMITS
5. NOT USED
6. INSTALL 30 LB 4" PVC 30.2-35 SANITARY SEWER PIPE AT APPROX 2.0% SLOPE. THE 10" DIA. SHALL BE INSTALLED 1' FROM BUILDING PER DETAIL SHEET C-8. CAN = 1042.50, 10" DIA = 1032.04
7. SANITARY SEWER CONNECTION, 10" DIA. 1032.04 - 10" DIA. TO BE CONFIRMED WITH PLUMBING PLANS PRIOR TO CONSTRUCTION
8. 8" PVC 30.2-35 DOWNPOUT CONNECTION, 10" DIA. 1032.04 - 10" DIA. TO BE CONFIRMED WITH PLUMBING PLANS PRIOR TO CONSTRUCTION
9. 8" PVC 30.2-35 DOWNPOUT CONNECTION, 10" DIA. 1032.04 - 10" DIA. TO BE CONFIRMED WITH PLUMBING PLANS PRIOR TO CONSTRUCTION
10. 8" PVC 30.2-35 DOWNPOUT CONNECTION, 10" DIA. 1032.04 - 10" DIA. TO BE CONFIRMED WITH PLUMBING PLANS PRIOR TO CONSTRUCTION
11. PRIOR TO CONSTRUCTION CONTRACTOR SHALL VERIFY DEPTH AND LOCATION OF EXISTING STORM SEWER TO EXISTING OUTLET OF DETENTION BASIN AND THE 10" MANHOLE ELEVATION. VERIFY DEPTH LOCATION OF ANY PIPE DISCONTINUITIES AS SOON AS POSSIBLE.
12. INSTALL 4" DIA. X 12' LONG X 10" DIA. PVC C-8 RIGID CHANNEL PROTECTION
13. INSTALL 45 LB HEAVY DUTY TRAFFIC BARR. MANHOLE GRATE PER DETAIL ON SHEET C-8. CURB TO ROCK CHANNEL PROTECTION AREA FROM 8'-MANHOLE.
14. GAS SERVICE SHOWN FOR REFERENCE ONLY. SERVICE TO BE FIELD DESIGNED AND INSTALLED BY GAS COMPANY. CONTRACTOR TO COORDINATE INSTALLATION SCHEDULE WITH GAS COMPANY.
15. NEW OVERHEAD ELECTRIC, TELEPHONE AND CABLE SERVICE, COORDINATE WITH RESPECTIVE UTILITY COMPANY AND THE ELECTRIC PLAN CONTRACTOR TO PROVIDE ADEQUATE ISOLATION FOR UNDERGROUND SERVICE BARR. SEE DETAIL SHEET C-9
16. ALL OVERHEAD ELECTRIC AND CABLE SERVICE TO BE FIELD DESIGNED AND INSTALLED BY RESPECTIVE UTILITY COMPANY AND THE ELECTRIC PLAN CONTRACTOR TO PROVIDE ADEQUATE ISOLATION FOR UNDERGROUND SERVICE BARR. SEE DETAIL SHEET C-9
17. CONTRACTOR SHALL VERIFY THE VILLAGE OF NORTHFIELD STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-8
18. CONTRACTOR SHALL VERIFY THE VILLAGE OF NORTHFIELD STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-8
19. CONTRACTOR SHALL VERIFY THE VILLAGE OF NORTHFIELD STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-8
20. CONTRACTOR SHALL VERIFY THE VILLAGE OF NORTHFIELD STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-8



GENERAL NOTES

1. COORDINATE EXACT LOCATION OF ALL BUILDING UTILITY CONNECTIONS WITH BUILDING PLUMBING PLANS PRIOR TO INSTALLATION OF UTILITIES
2. THE EXISTING UNDERGROUND UTILITIES AS SHOWN ARE OBTAINED FROM A COMBINATION OF FIELD LOCATION AND RECORD INFORMATION OBTAINED FROM THE RESPECTIVE UTILITY COMPANIES. THESE PROVIDER, THESE UTILITIES, THEIR LOCATION AND DEPTH ARE OF VARYING ACCURACY, SHALL BE VERIFIED BY THE CONTRACTOR BY CALLING THE OWN UTILITIES COMPANIES. VERIFY UTILITIES PRIOR TO CONSTRUCTION. LOCATION, SIZE, DEPTH AND STATUS OF USE ARE SHOWN AS ACCURATE AS POSSIBLE WITH THE AVAILABLE EXISTING DATA.
3. ALL PAVEMENT, CURB AND SIDEWALK REPAIR WORK SHALL BE SET OUT FULL DEPTH AT EXISTING CONSTRUCTION JOINTS. ALL SAW CUTTING MUST BE DONE SET, TO CONFORM TO THE OWN EPA'S PAVING BEST ACT.
4. CONTRACTOR TO VERIFY ALL NECESSARY POINTS INCLUDING ANY FOR WORK IN THE 1/2" HOLE TO EXIST / COORDINATE WITH DEPARTMENT TO GRADE OF ALL WAREHOUSE UTILITY CONDUIT, CHAINS, ETC. SCHEDULED TO REMAIN.
5. CONTRACTOR SHALL VERIFY THE VILLAGE OF NORTHFIELD STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-8
6. CONTRACTOR SHALL VERIFY THE VILLAGE OF NORTHFIELD STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-8
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DOLLAR GENERAL
10554 NORTHFIELD ROAD
VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO

wohlwend
ENGINEERING GROUP

435446 BELLEVUE PL. N.
CANTON, OHIO 44705
714.475.1400

OHIO811.org
Before You Dig



SCALE
1" = 40'



11/20/2019 10:47:00 AM

DOLLAR GENERAL
10524 NORTHFIELD ROAD
VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO



DATE
11-20-2019
PROJECT NUMBER
20190064

CRADING PLAN
C-4

KEYED NOTES

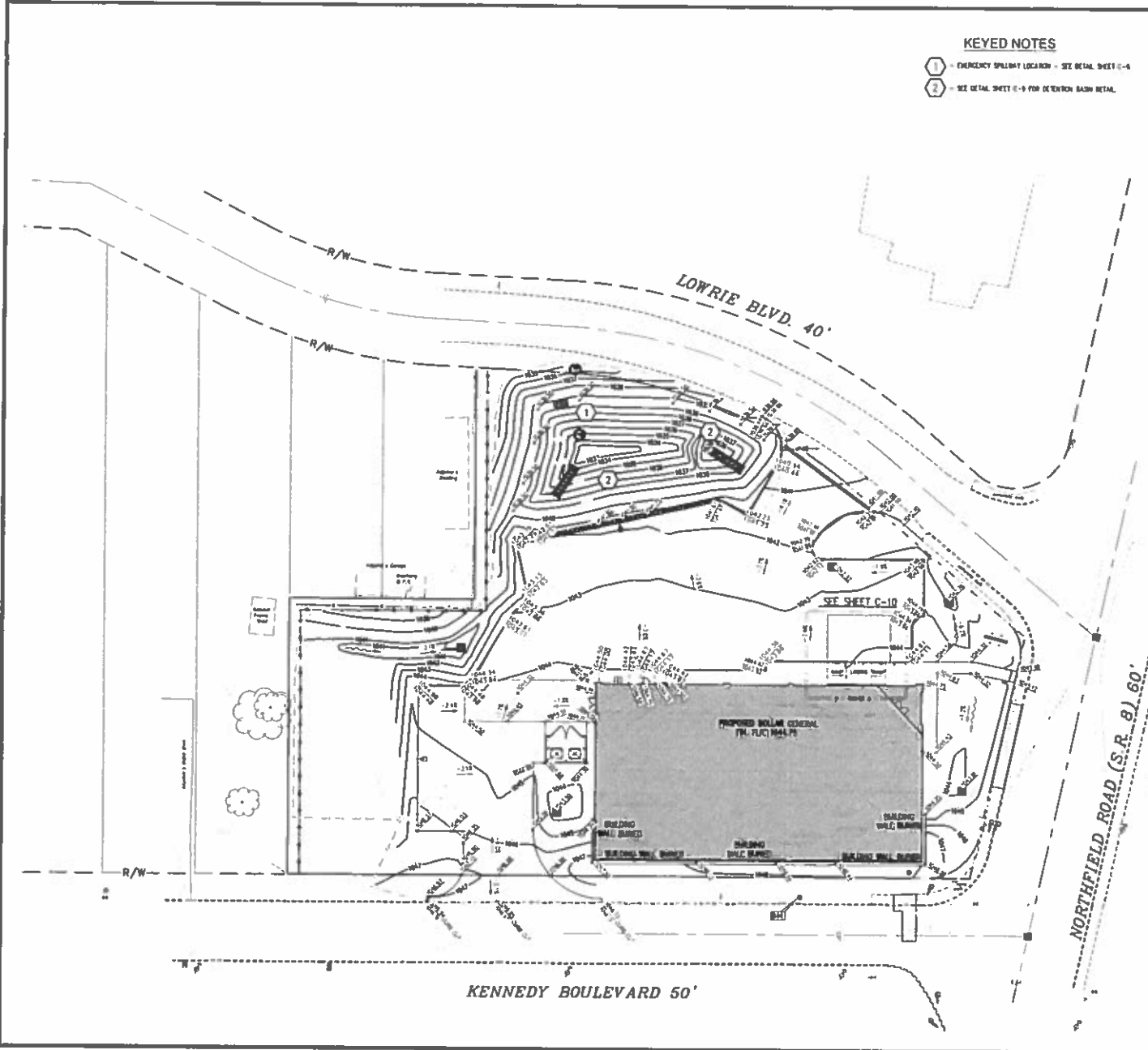
- ① EMERGENCY SPILLKIT LOCATION - SEE DETAIL SHEET C-4
- ② SEE DETAIL SHEET C-9 FOR DETENTION BASIN DETAIL.

ADA COMPLIANCE NOTE

IF WORK IS TO BE PLACED IN ALL ACCESSIBLE PARKING AREAS AND ASSOCIATED DRIVEWAYS AND RAMPWAYS MUST BE SURVEYED BY A LICENSED SURVEYOR AND PROVIDED TO OWNER/ENGINEER. ANY NONCOMPLIANT AREAS SHALL BE REWORKED AND RESURVEYED ON R. THEY ARE COMPLIANT WITH THE CONSTRUCTION PLAN.

GRADING NOTES

1. ALL EARTHWORK TO CONFORM TO GDOT NEW 303 AND TO BE PERFORMED IN STRICT ACCORDANCE WITH THE GEOTECHNICAL ENGINEER REPORT BY JLS ASSOCIATES INC. MAINTAIN EXIST. ALL EARTHWORK IN AREAS BEARING THE PROPOSED BUILDING TO BE SUPERSEDED AND DIRECTED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF OHIO. CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT TO ACCEPTANCE THE AMOUNT OF ANY UNDERCUTTING REQUIRED TO CONSTRUCT THE SITE.
2. ADJUST TO GRADE/UNDERCUT/REAR ADJUSTMENT TO GRADE OF ALL CONCRETE, GRAVEL, GRASSY SOILS (E.T.C.) TO REMAIN.
3. ALL UNDERCUTS SHALL HAVE A MAX. LONGITUDINAL SLOPE OF NOT MORE THAN 2% AND A MAX. CROSS-SLOPE OF NOT MORE THAN 2%.
4. IF IMPORT MATERIAL IS REQUIRED, IT MUST COME FROM A PERMITTED SITE. IF MATERIAL MUST BE Haul-OFF, IT MUST BE DELIVERED TO A PERMITTED SITE. A "PERMITTED SITE" IS A SITE OWNED BY AN OHIO EPA IMPACT PHASE 0 FORMAL.
5. THE SLOES ON THIS SITE ARE (L)S: ELLIPSOID-URBAN LAND COVERED, 6 TO 12 PERCENT SLOES ON THE NORTH AND WEST SIDE OF THE SITE AND IN - SANDWICH-MIDLAND LAND COVERED 0 TO 2 PERCENT SLOES ON THE SOUTH SIDE OF THE SITE. BOTH AREAS ARE IN HYDROLOGIC GROUP B SLOES.
6. CONTRACTOR SHALL ENSURE ALL INSURVED AND BARRIED AREAS OF THE PROJECT SITE AND FRONT-OF-HOUSE ARE COVERED WITH A MINIMUM OF 2" OF 50% SOIL PLACED PER DOT FROM 80% AND 80% PROTECT TREE AND HEALTH FOR PERMANENT BARRIERS INDICATED ON SHEET C-3, EXCEPT IN PROJECT AREAS DESIGNATED FOR SOO. ALL BARRIERS AND LAWN AREAS TO BE PREPARED AND STABILIZED TO THE OWNER'S SATISFACTION.



DATE OF SURVEY
THE DATE OF SURVEY FOR THIS SURVEY IS ONE MONTH OF THE OHIO STATE PLANNING COMMISSION'S FISCAL YEAR (2016-2017).

LOCATION
IN PROMONT LOCATED IN THE NORTH FRONT OF ONLY OF KENNEDY BOULEVARD

ELEVATION - 1049.02

SURVEY PERFORMED BY
CAPPELL & ASSOCIATES, INC.
1000 W. 100th St., Suite 100
Cedar Rapids, IA 52410
563.321.1234
www.capell.com

OHIO@11.org
Before You Dig

11/20/2019 10:47:00 AM - 10524 Northfield Road - 2019-11-20 10:47:00 AM - 11/20/2019 10:47:00 AM

GROUND COVER LEGEND

PERMANENT SEEDING (16,475 SF)

SOD AND IRRIGATION LEGEND

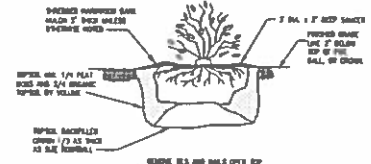
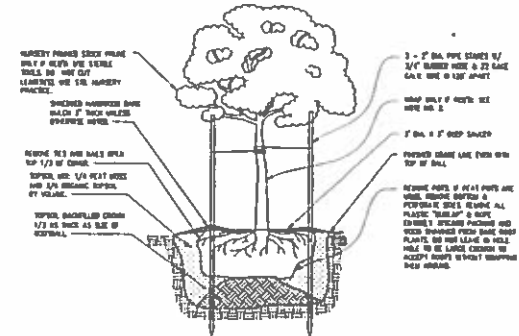
IRRIGATION AND SOD COVERAGE AREA (8,000 SF) - SEE IRRIGATION NOTES NO. 1

MULCH COVER

MULCH BED, HARDWOOD, 4" THICK (690 SF)

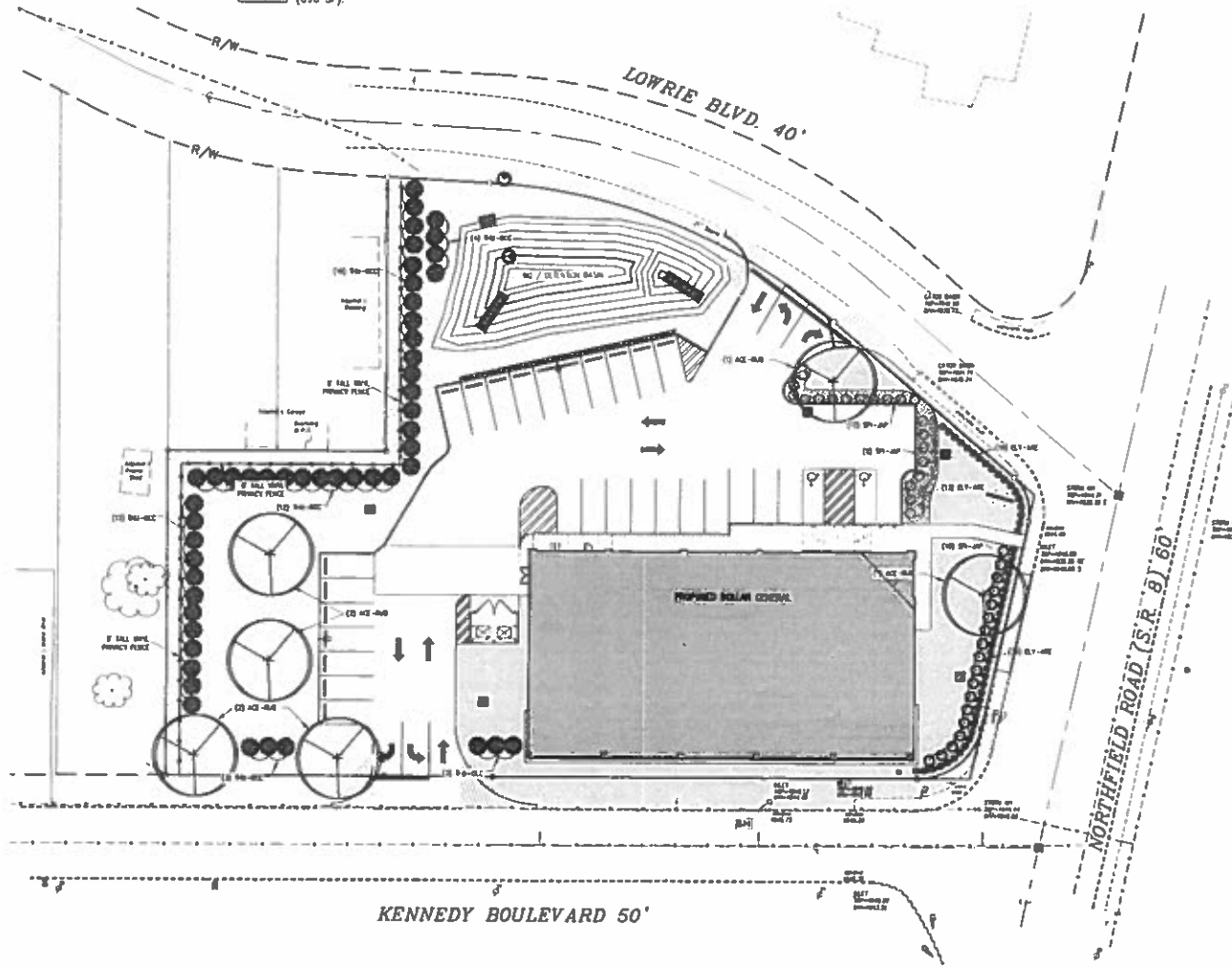
TREE LIST						
KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	REMARKS
ACT-ARB-0	1	ACED RUBUS	OCTOBER GLORY DOGWOOD TREE	Ø 6" @ 12'-17" CAL.	6' CLEAR BRUSH	

SHRUB LIST						
KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	REMARKS
SHL-ACC-01	20	SHRUB ACCIDENTALS "REDY"	AMERICAN ARBUTHUS	Ø 6" Ø	2'-10" HT. FULL	
SPH-IMP-01	20	SPRINKLE SPINDLES	NEON SPLASH SPINDLES	1 CAL.	BALL HEIGHT 3 FEET	
SLY-ACC-01	20	SLYDUS ARBUTHUS	BLUE GRASS LIME GRASS	1 CAL.	BALL HEIGHT 3 FEET	



- LANDSCAPE NOTES**
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ALL MATERIAL AND PLANTS SHOWN ON THE PLAN.
 - ALL SHRUBS SHALL BE WELL BRANCHED, NEAR 50% FULL, PRE-ANNUCLATED, AND FERTILIZED. REDUCED BRUSH TO BE FREE OF FRESH BRANCHES AND BRANCHES TO A HEIGHT OF 7' ABOVE THE HORIZONTAL. BRUSH SHALL BE SHIPPED (NECESSARY) TO PREVENT SOIL SCALE AND INSECT DAMAGE. THE LANDSCAPER SHALL REMOVE SAID BRUSH AT THE PROPER TIME AS A PART OF THIS CONTRACT.
 - ALL SHRUBS SHALL BE WELL BRANCHED, NEAR 50% FULL, PRE-ANNUCLATED, AND FERTILIZED. REDUCED BRUSH TO BE FREE OF FRESH BRANCHES AND BRANCHES TO A HEIGHT OF 7' ABOVE THE HORIZONTAL. BRUSH SHALL BE SHIPPED (NECESSARY) TO PREVENT SOIL SCALE AND INSECT DAMAGE. THE LANDSCAPER SHALL REMOVE SAID BRUSH AT THE PROPER TIME AS A PART OF THIS CONTRACT.
 - CLEAR FRAMBLE LAY BY 34" UNIFORM DEPTH INCLUDING 4" UNIFORM THICKNESS OF ORGANIC TOPSOIL IN ALL PLANTING AREAS SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR SUBJECT TO OWNER'S APPROVAL.
 - ALTERNATES MAY ONLY BE USED IN THE EVENT OF UNAVAILABILITY OF THE SELECTED SPECIES WITHIN A REASONABLE DISTANCE ON DATE OF SEASON. PROOF MAY BE REQUESTED BY THE OWNER.
 - PERENNIAL TREES SHALL NOT BE PLANTED DURING WIND, HOT, OR DROUGHT.
 - WALNUT SHALL BE 3" UNIFORM THICKNESS BURNED HARDWOOD BARK OR AS INDICATED ON THE PLAN FOR EACH AREA. WALNUT SHALL NOT EXCEED ANY FORM OF SPICES WASTES.
 - LANDSCAPE WEED SCREENS SHALL BE USED WHEREVER POSSIBLE WITH 6" UNIFORM OVERLAP. A CHEMICAL WEED PREVENTER BARBER SHALL BE APPLIED IN ALL NON-CURBS AREAS WHICH DO NOT HAVE WEED SCREENS (E. ROOT PREPARATION CRACKS CONSIDER).
 - SOIL AND PLANTING AREAS SHALL BE SEPARATED BY A 4" HIGH BLACK VINYL EDGING WALLS @ 1 x 1 x 10" BEADED STAKES @ 4' INTERVALS OR EDGES AS PER PLAN. EDGING TO HAVE 1" EXPOSURE ABOVE LAND SURF. STAKES TO BE CHAINED BY WALNUT.

- IRRIGATION NOTES**
- ALL AREAS THAT RECEIVE IRRIGATION ARE TO BE IRRIGATED. CONTRACTOR TO PROVIDE A DESIGN-BASED DESIGN FOR APPROVAL PRIOR TO INSTALLATION. AREAS TO BE SEEDER SHALL NOT BE IRRIGATED.
 - ALL IRRIGATION LATERAL AND SUPPLY LINES SHALL BE CLASS 200 PVC, SIZE PER FLOW VELOCITIES OF 3 FT/SEC. OR LESS.
 - PROVIDE TWO 1" BLACK COLLARING VALVES ON SUPPLY LINE.
 - PROVIDE AUTOMATIC DRAIN VALVES AT ALL LOW POINTS ON SUPPLY AND LATERAL LINES.
 - PROVIDE TWO PLASTIC SUPPLY LINE MANUAL DRAIN VALVES.
- ACCEPTABLE COMMENTS:**
- SYSTEM CONTROLLER - HANSEN 1-CORE SERIES, YORK INC. 212 SERIES, GAIN BIRD 022 SERIES
 - ZONE CONTROL VALVES - HANSEN PWP SERIES, YORK 25A/25B SERIES, GAIN BIRD 020 SERIES
 - SPRINKLER HEADS (TOO HEADS) - HANSEN TWA AND TWA2 SERIES, YORK 5000 AND 300 SERIES, GAIN BIRD 010 AND 020 SERIES
 - SURFACE PLATE (PWP) (TOO AREAS) - HANSEN PLR, GAIN BIRD 025. (LATERAL AND ENTERS SHALL BE PLACED 14" H.C.)



STATE OF OHIO
MICHAEL A. WOLLWEND
PROFESSIONAL ENGINEER
1-68183

SCALE: 1" = 20'

100' 0" 20' 0" 10' 0" 5' 0" 2' 0" 1' 0" 0' 0"

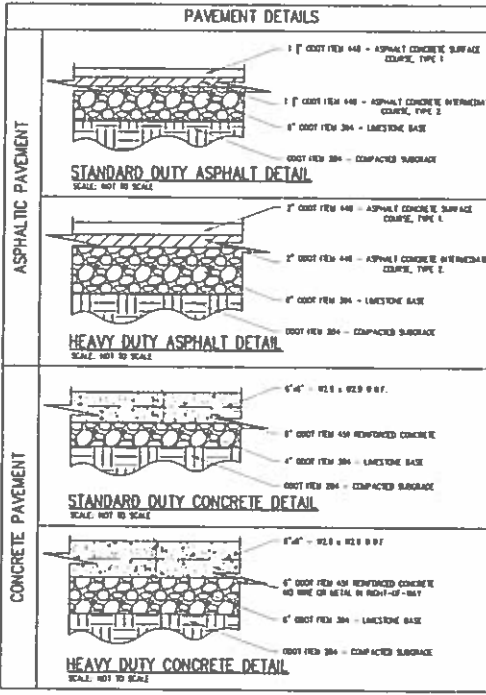
DOLLAR GENERAL
16554 NORTHFIELD ROAD
VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO

wollwend
10010 WOODVIEW DRIVE
COLUMBUS, OHIO 43240
(614) 233-1111
414 W. GALE STREET, FOUR
FLOOR, COLUMBUS, OHIO
43260-1304

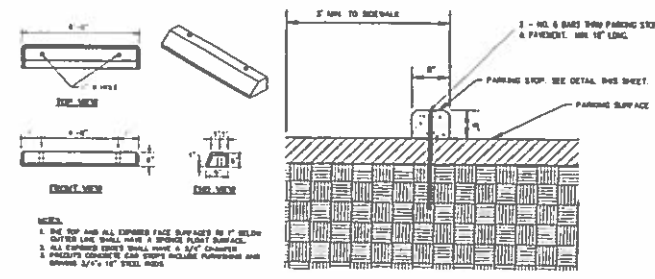
DATE: 11-26-2019
PROJECT NO.: 20190064
LANDSCAPE PLAN
C-7

GENERAL NOTES

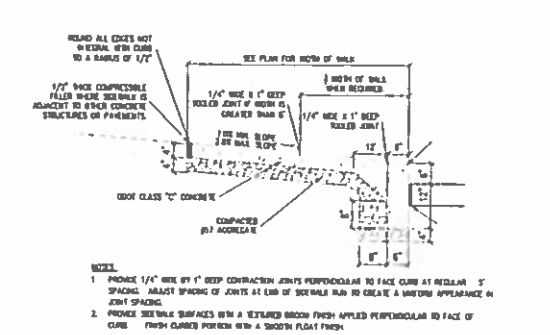
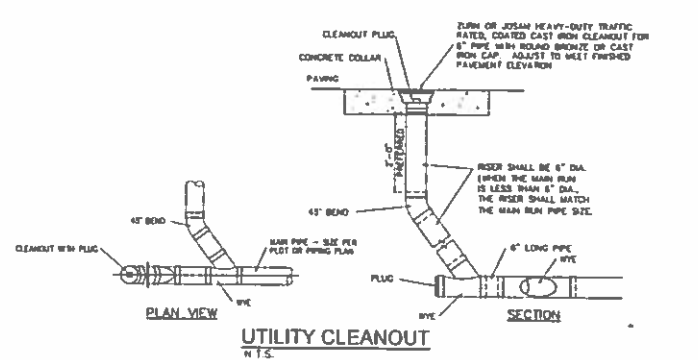
1. LOCAL AGREEMENT REQUIREMENTS TOGETHER WITH THE LATEST EDITION OF THE STATE OF OHIO DEPT. OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMB) SHALL COVER ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE NOTED. IF THERE ARE ANY DISCREPANCIES, THE VILLAGE REQUIREMENTS SHALL CONTROL. ALL FIELD TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR (BATCHING, COMPACTION, MATERIAL, CONSTRUCTION, CURING, TESTING, ETC.).
2. ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL OF THE VILLAGE ENGINEER.
3. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COORDINATING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH ENFORCEMENT AGENCIES AT ALL TIMES FOR THE PROTECTION OF PERSONS INCLUDING UNEMPLOYED AND PROPERTY IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO MAINTAIN, GUARANTEE AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROCEDURES DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY THE VILLAGE AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, RECORDS AND FIELD INVESTIGATION, AND ARE NOT NECESSARILY COMPLETE OR EXACT. THE CONTRACTOR IS RESPONSIBLE FOR THE OPERATIONAL, LEGAL, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPROPRIATELY PROTECT THEM FROM THESE PLANS TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL OF THE VILLAGE ENGINEER.
7. THE CONTRACTOR SHALL VERIFY THE UTILITY DEPT. RECORDS TO THE VILLAGE ENGINEER AND SHALL MAKE ADJUSTMENTS AS NECESSARY TO PROVIDE SUFFICIENT CLEARANCE BETWEEN THE PROPOSED AND EXISTING UTILITIES. THE CONTRACTOR SHALL CALL THE OHIO UTILITY PROTECTION SERVICE (1-800-361-7766) WHICH PROVIDES DATA FROM THE VILLAGE ENGINEER TO THE UTILITY DEPT. RECORDS.
8. ANY PROPERTY COVERED PRIOR TO PERMANENT SURVEY MARKERS INSTALLED DURING CONSTRUCTION SHALL BE RESET BY A REGISTERED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
9. THE REPAIRS OR REPLACEMENT OF CURBS, SIDE OR CURBS UPON STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR TO KEEP THE WORK AREA CLEAR OF DEBRIS, OR FAILS TO CLEAN UP OR NOT UP TO STREETS, THE VILLAGE MAY TAKE ACTION AND PROCEED WITH THE DEVELOPER FOR THE COSTS THAT ARE INCURRED.
10. NO SIGN-ARMED VEHICLE SHALL BE OPERATED ON STREETS EXCEPT WHEN ENLARGING IN THE VICINITY OF EXISTING UTILITIES TO REMAIN, THERE ALL NECESSARY PRECAUTIONS TO PROTECT AND PREVENT THEM. THE CONTRACTOR SHALL BE ADVISED BY THE PROVISIONS OF HIS CONTRACT WITH THE VILLAGE ENGINEER.
11. ALL FIELD SURVEY MARKERS INSTALLED DURING CONSTRUCTION SHALL BE REPLACED TO ITS ORIGINAL POSITION OR CONNECTED TO THE STAKE SET BY THE VILLAGE ENGINEER.
12. APPROVAL OF THESE PLANS IS CONFINED TO ALL REQUIREMENTS FOR THE CONSTRUCTION OF THE WORK AS SHOWN WHICH REQUIRES AN EASEMENT WILL BE ALLOWED TO PROCEED UNTIL THE WORK HAS BEEN DONE.
13. ALL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PART I CONSTRUCTION AND MAINTENANCE OPERATIONS, COPIES OF WHICH ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC, 25 SOUTH FRONT STREET, COLUMBUS, OHIO 43215.
14. TRAFFIC SIGNALING DEVICES SHALL BE PROVIDED ON ALL BARRICADES, BRACKETS AND TRAFFIC CONTROL DEVICES IN USE AT NIGHT. COPIES ARE NOT PROVIDED TO BE USED FOR NIGHT USE.
15. ALL TRAFFIC SIGNALS SHALL BE MAINTAINED OR REPAIRED DURING WORKING HOURS.
16. ACCESS TO ALL NEARBY PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
17. ALL AREAS WHICH ARE PUBLIC RIGHT-OF-WAY THAT ARE OBTAINED BY THIS PROJECT SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION FOR THE NEW USE (EASING AND EASEMENTS) OR OTHER APPLICABLE SPECIFICATIONS.
18. AT ALL EXISTING CONDITIONS WHERE THE EXISTING UTILITIES OR EXPOSED IN THE TRENCH, THE MATERIAL SHALL CONSIST OF COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH THIS PLAN OR IN PLACE THE REPAIR AND SHALLOWER PIPE. WHERE PROPOSED UTILITIES OR SERVICES CROSS PROPOSED OR EXISTING PAVEMENT AREAS, MATERIAL SHALL BE COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH THIS PLAN EXCEPT AT LEAST 3 FEET BEHIND THE BACK OF CURB OR EDGE OF PAVEMENT. COST IS TO BE INCLUDED IN THE PRICE BID FOR RELATED PIPE.
19. IN THE EVENT ENLARGING FOR THE STREET IS FROM 10' TO 12' BELOW THAT CALLED FOR ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE VILLAGE ENGINEER IMMEDIATELY WITH THE PLAN AND APPROVAL, AND SHALL BE PAID FOR BY THE CONTRACTOR.
20. CURB BUILT, BARRICADES, AND CURB BARRIERS SHALL BE CHANNELLED AS DIRECTED.
21. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND MARK THE STREET IN THE VICINITY OF ALL EXPOSITION JOINTS WITH SIGN ARMS AS THE STREET IS OPEN TO TRAFFIC.
22. WHERE NECESSARY TO INSTALL PARALLEL OR BRICKS, THE PAVEMENT SHALL BE SAG OUT IN NEAR STRAIGHT LINES. THE DEPTH OF SAG OUT SHALL BE AT LEAST 3 INCHES.
23. THE VILLAGE ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, PRECAUTIONS, OR CONSEQUENCES OF CONSTRUCTION THE VILLAGE ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE JOB SITE OR FOR FAILURE BY THE CONTRACTOR IN PROVIDING WORK ACCORDING TO CONTRACT DOCUMENTS.
24. THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO PUBLIC RIGHT-OF-WAY AND AREAS BOTH AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS.
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29. THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO PUBLIC RIGHT-OF-WAY AND AREAS BOTH AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS.
30. WHEN WORKING ON INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE VILLAGE ENGINEER.
31. BEFORE RELOCATING ANY UTILITIES, THE CONTRACTOR SHALL CONTACT THE U.S. POSTAL SERVICE AND RELOCATE UTILITIES ACCORDING TO THE REQUIREMENTS OF THE POSTAL SERVICE.
32. ALL REQUIREMENTS ARE BASED ON LATEST STATE GEOLOGICAL SURVEY (GSI) DATA.
33. THE CONTRACTOR AND OWNER SHALL ENSURE FIRE DEPARTMENT ACCESS AND WATER SUPPLY TO THE REPAIRS AND PERMANENT FACILITIES AT ALL TIMES DURING CONSTRUCTION.



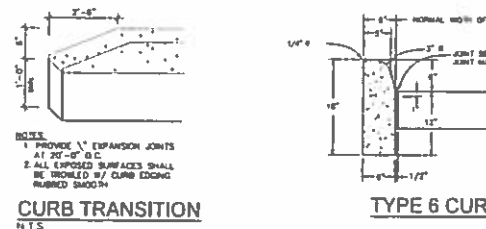
PAVEMENT DESIGN NOTES
 PROPOSED PAVEMENT SECTIONS SHOWN ARE FOR REFERENCE ONLY. THE PAVEMENT GRADUP BEFORE HERE, PROVIDED BY THE ASSOCIATES INC. 04/10 AUGUST 2008



CONCRETE PARKING STOP DETAIL
 NOT TO SCALE



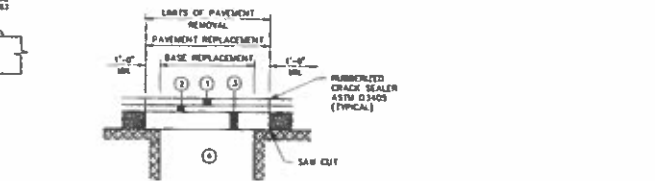
INTEGRAL CONCRETE CURB AND WALK DETAIL
 NOT TO SCALE



CURB TRANSITION N.T.S.
TYPE 6 CURB



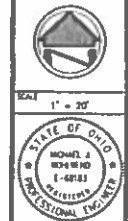
CURB CUT / DROP CURB DETAIL



PAVEMENT REPLACEMENT DETAIL
 N.T.S.

D.O.D.T. SPECIFICATION REFERENCE

1. ITEM 448 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE
2. ITEM 448 - 2" ASPHALT CONCRETE SURFACE COURSE
3. ITEM 451 - 8" REINFORCED CONCRETE W/ 10 X 10 X 10 W.W.F.
4. ITEM 304 - AGGREGATE BASE



SCALE: 1" = 20'

STATE OF OHIO
 MICHAEL J. WOZNIAK
 LICENSED PROFESSIONAL ENGINEER
 LICENSE NO. 14281

DOLLAR GENERAL
 10556 NORTHFIELD ROAD
 VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO

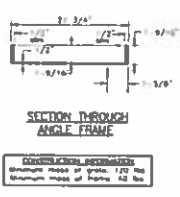
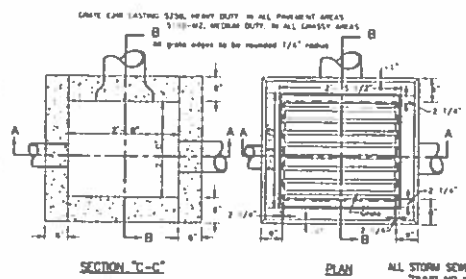
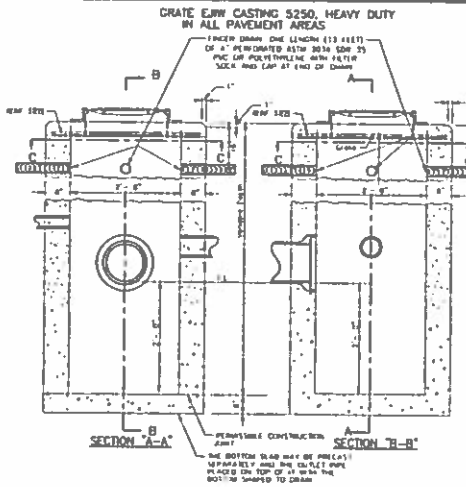
wohwend
 engineering
 architects

100 W. MAIN ST., SUITE 200
 COLUMBUS, OHIO 43215
 614.221.1234

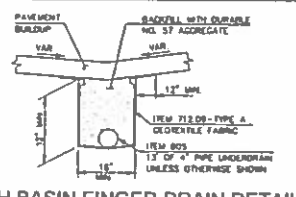
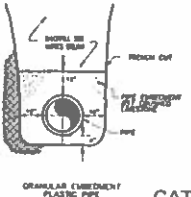
DATE: 11-26-2019
 SHEET NUMBER: 20190054

OHIO811.org
 Before You Dig

CONSTRUCTION NOTES AND DETAILS
 C-8

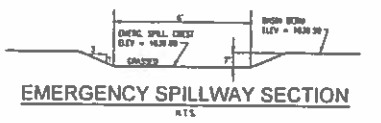
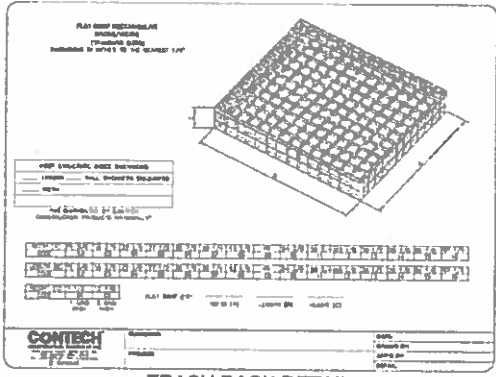
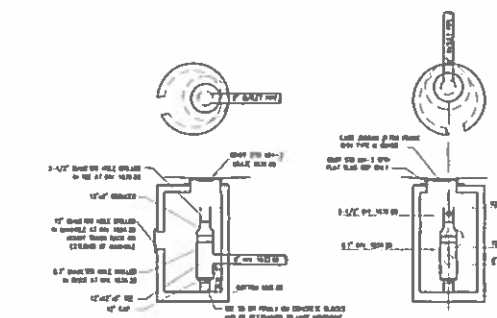
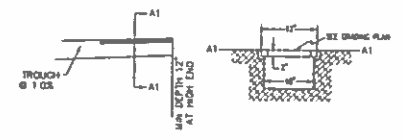


- NOTES:**
- BACKFILL UNDER PAVEMENTS SHALL BE COOT 55# AGGREGATE BASE UP TO THE TOP OF SUBGRADE.
 - BACKFILL UNDER NON-PAVEMENT AREAS SHALL CONFORM TO COOT ITEM 202. MATERIAL EXCAVATED FROM TRENCHES MAY BE USED PROVIDED IT CONFORMS TO COOT ITEM 202.



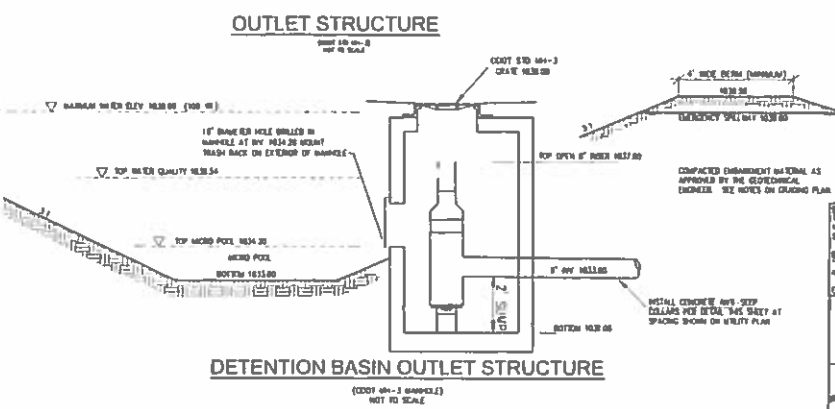
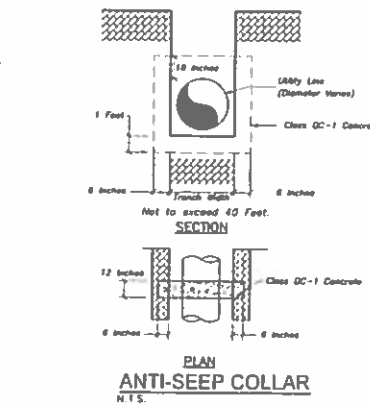
STANDARD NO. 2-2-B CATCH BASIN

1\"/>



HEADWALL - HW-4B DETAIL N.T.S.

DIMENSIONS - CIRCULAR				
D	W	H	T	CONCRETE CU. YDS.
12"	2'-0"	2'-0"	12"	0.20
15"	2'-0"	2'-0"	12"	0.25
18"	2'-0"	2'-3"	12"	0.31
21"	2'-0"	2'-3"	12"	0.37
24"	2'-0"	2'-6"	12"	0.43
27"	2'-0"	2'-6"	12"	0.49
30"	2'-0"	2'-9"	12"	0.56
33"	2'-0"	2'-9"	12"	0.63
36"	2'-0"	3'-0"	12"	0.69
42"	2'-0"	3'-3"	12"	0.84
48"	2'-0"	3'-3"	12"	1.00
54"	2'-0"	3'-6"	12"	1.28
60"	2'-0"	3'-6"	12"	1.53
66"	2'-0"	3'-9"	12"	2.02
72"	2'-0"	3'-9"	12"	2.77
78"	2'-0"	4'-0"	20"	3.37
84"	2'-0"	4'-0"	20"	4.05



WALKWEND ENGINEERING GROUP

1701 W. HYDRANT LOCATED IN THE NORTH RIGHT OF WAY OF KENNEDY BOULEVARD

ELEVATION = 1048.02

SURVEY PERFORMED BY CAMPBELL & ASSOCIATES, INC.

DATE: 11-26-2013

PROJECT NO.: 20190064

CONSTRUCTION NOTES AND DETAILS

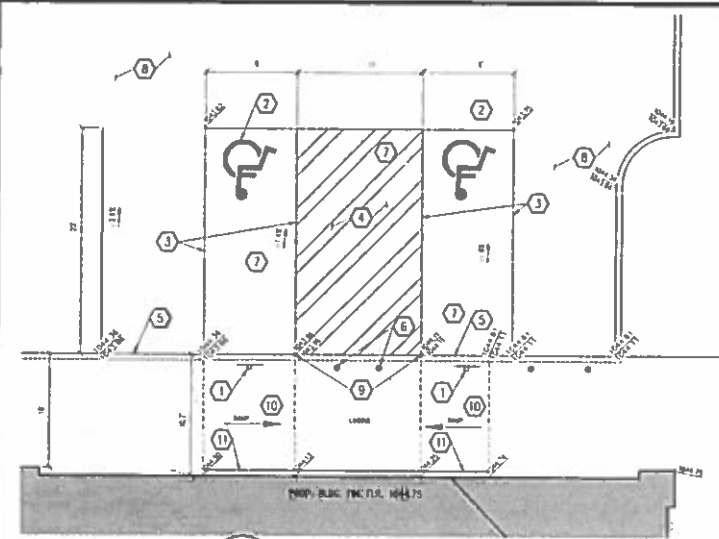
C-9

DOLLAR GENERAL

15554 NORTHFIELD ROAD
VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO

STATE OF OHIO
MICHAEL A. WINEHEAD
LICENSED PROFESSIONAL ENGINEER

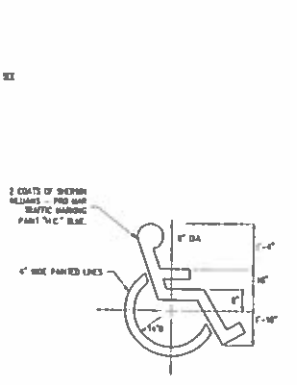
SCALE: 1" = 20'



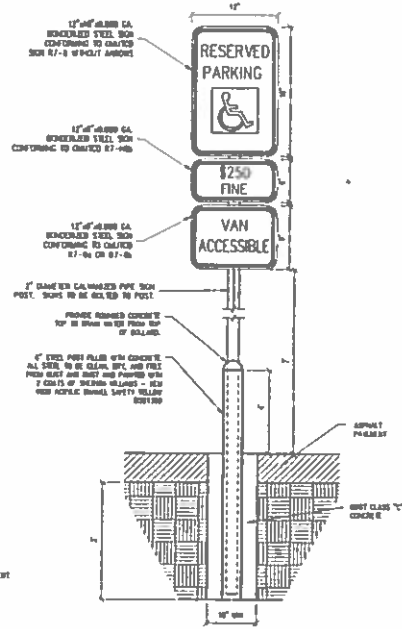
- KEYED NOTES**
- 1 - INSTALL HANDICAP SIGN (MIN 100 ACCESSIBLE SIGN) AS INDICATED, TYPICAL 3 PLACES. SEE DETAIL THIS SHEET. FACE OF BOLLARD TO BE 1" FROM BACK OF CURB TO ALLOW CLEARANCE FOR WALK FOUNDATION/FROST SLAB.
 - 2 - INSTALL HANDICAP PAVEMENT MARKING PER DETAIL IN 414. TYPICAL 2 PLACES. SEE METAL SIGN SHEET.
 - 3 - PAVEMENT STRIPING - 4" WIDE PER DOT FED. H&V. COLOR SHALL BE BLUE.
 - 4 - PAVEMENT ISLAND STRIPING - PER DOT SPEC. CURBS SHALL BE BLUE. PROVIDE PAVEMENT STRIPING THAT IS 4" WIDE AND PROVIDE ISLAND STRIPING THAT IS 4" WIDE AND 2 1/4" O.C. AT AN ANGLE OF 45 DEGREES FROM FACE OF BUILDING OR CURB AS APPLICABLE.
 - 5 - PROVIDE INTERNAL CONCRETE CURB AND WALK PER METAL SHEET C-4.
 - 6 - INSTALL PROPOSED BOLLARD PER DETAIL THIS SHEET. FACE OF BOLLARD TO BE 1" FROM BACK OF CURB TO ALLOW CLEARANCE FOR WALK FOUNDATION/FROST SLAB.
 - 7 - ADA PARKING AREA, NO PAVEMENT OR SLOPE TO EXCEED A 2% MAX. SLOPE IN ANY DIRECTION.
 - 8 - SEE SHEET C-2 FOR ASPHALT PAVEMENT WORK.
 - 9 - SIDEWALK SHALL BE FLOWN WITH PAVEMENT.
 - 10 - INSTALL HANDICAP RAMP PER DETAIL THIS SHEET.
 - 11 - INSTALL 1" CONCRETE CURB AT BACK OF RAMP AREA FLUSH WITH TOP OF SIDEWALK TO ENSURE THAT SLABING IS NOT EXPOSED.

ADA COMPLIANCE NOTE
 WITHIN 48 HOURS OF PLACEMENT ALL ACCESSIBLE PARKING AREAS AND ASSOCIATED SIDEWALKS AND RAMPWAYS SHALL BE SURVEYED BY A LICENSED SURVEYOR AND PROVIDED TO OWNER/OWNER. ANY NON-COMPLIANT AREAS SHALL BE REWORKED AND REINSPECTED UNTIL THEY ARE COMPLIANT WITH THE CONSTRUCTION PLAN.

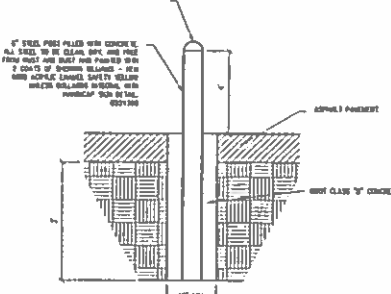
ADA PARKING AREA
 SCALE 1" = 1'



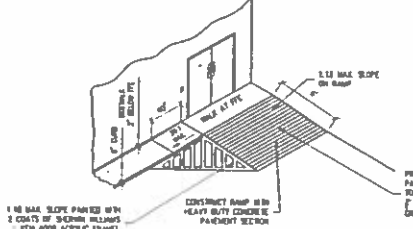
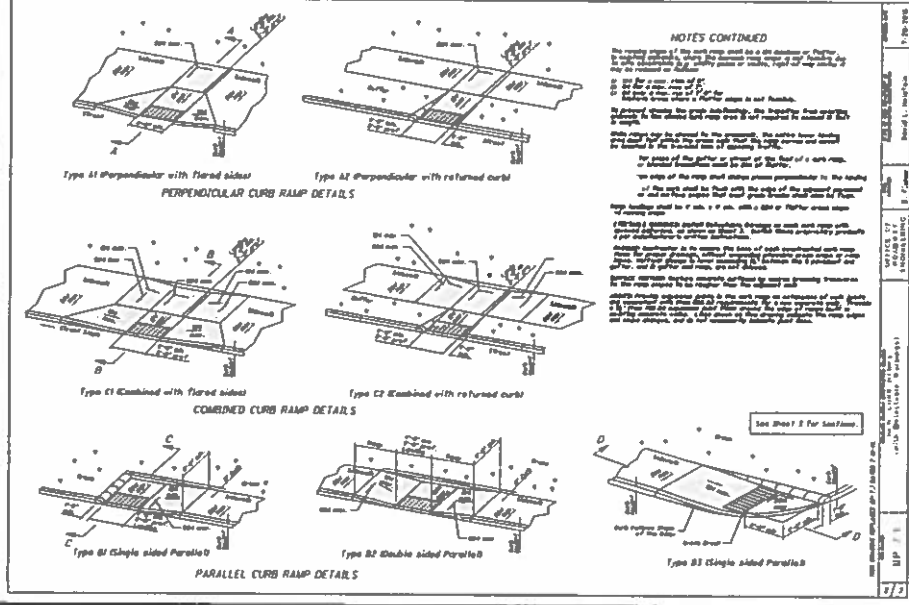
HANDICAP PARKING SYMBOL
 615



HANDICAP SIGN DETAIL
 N.T.S.



BOLLARD DETAIL
 N.T.S.



RECEIVING DOOR RAMP DETAIL
 NOT SCALE

STATE OF OHIO
 MICHAEL J. WOODHEAD
 LICENSED PROFESSIONAL ENGINEER

DOLLAR GENERAL
 10554 NORTHFIELD ROAD
 VILLAGE OF NORTHFIELD, SUMMIT COUNTY, OHIO

wohwend GROUP
 4234 ONE BELLEVUE BLVD
 CLEVELAND, OHIO 44124-1100
 (216) 421-1000

PROJECT NUMBER: 20190064

CONSTRUCTION NOTES AND DETAILS

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