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THESE PLANS HAVE BEEN APPROVED BY THE MASSILLON CITY ENGINEER ON
THIS 1ST DAY OF FEBRUARY, 20 19. ONLY APPROVED PLANS
SIGNED BY THE CITY ENGINEER ARE TO BE USED FOR CONSTRUCTION.

JASON M. POPIEL, P.E.

PLANS APPROVED BY STARK SOIL AND WATER CONSERVATION DISTRICT PER
LETTER DATED 29 OF OCT. 20 18

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DO NOT SCALE PLANS

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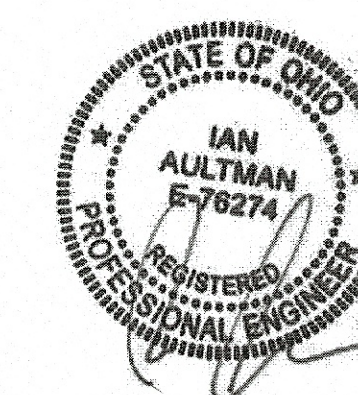
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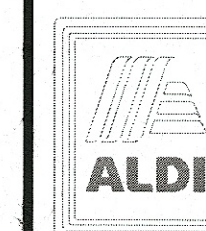
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PROFESSIONAL OF RECORD:
IAN AULTMAN No. E-76274
EXP. DATE: 12/31/19



ALDI Inc.

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ALDI Inc. Store #: 76
Massillon, OH
Erie Street South
Massillon, Ohio 44646
Stark County
Project Name & Location:

Cover Sheet

Drawing Name:

Prototype Rls.
07/27/18

Type:LHRD-V7ER

Project No.

40192-93

C-101

Scale: As Noted Drawing No.

UTILITIES

COMPACTION AND PROOFROLLING

RESTORATION OF EXISTING FACILITIES

REVIEW OF DRAINAGE AND UTILITY FACILITIES

TRAFFIC MAINTENANCE

DEMOLITION NOTES

- ## GENERAL

SEEDING AND MULCHING

PERMITS

WATER CONTROL

General Notes

	C-102
Scale: As Noted	Drawing No

PARCEL No.: 10000723
MENARD, INC.
44.06 ACRES
INSTR.#200702090007297
INSTR.#200701260004717
PART OF OUTLOT 1044
3725 ERIE ST.
ZONE TYPE: B3
ZONING DESCRIPTION: GENERAL BUSINESS DISTRICT

PARCEL No.: 10000724
TACO BELL OF AMERICA, INC.
0.96 ACRES
INSTR.#201006180022753
LOT 17336
INSTR.#201005260019638
ZONE TYPE: B3, GENERAL BUSINESS DISTRICT

SITE SURVEY

SITUATED IN THE STATE OF OHIO
COUNTY OF STARK
CITY OF MASSILLON
PART OF OUTLOT 1044
INSTRUMENT No. 200702090007297
LOCATED IN
NW QUARTER SECTION 29, TOWNSHIP 10N, RANGE 9W

LOCATION MAP

LEGEND

- ⊗ WATER VALVE
- ⊗ WS WATER SERVICE VALVE
- ⊗ GAS LINE MARKER
- ⊗ TEL TELEPHONE LINE MARKER
- ⊗ ELECTRIC METER
- ⊗ TELEPHONE/POWER POLE
- ⊗ POST
- ⊗ CLEANOUT
- ⊗ CURB INLET
- ⊗ CATCH BASIN
- ⊗ ST STORM MANHOLE
- ⊗ L.P.F. IRON PIN FD.
- ⊗ UNKNOWN MANHOLE
- ⊗ FLAG
- ⊗ ELECTRIC BOX
- ⊗ GAS METER
- ⊗ TREE
- ⊗ BUSH
- ⊗ SIGNAL POLE
- ⊗ SIGN
- ⊗ GUY WIRE
- ⊗ POWER POLE
- ⊗ SIGNAL PED.
- ⊗ FIRE HYDRANT
- ⊗ SANITARY MANHOLE
- ⊗ CATCH BASIN (ROUND)
- ⊗ UNKNOWN VALVE
- ⊗ IRON PIPE FD.
- ⊗ TELE/POWER/LIGHT POLE
- — — — — PROPERTY LINE
- — — — — RW RIGHT OF WAY
- — — — — PARCEL/LOT LINE
- — — — — EASEMENT LINE
- — — — — SURVEY BASELINE
- — — — — EDGE OF PAVEMENT
- — — — — ST STORM SEWER
- — — — — S SANITARY SEWER
- — — — — G GASLINE
- — — — — W WATERLINE

VERTICAL DATUM

ELEVATIONS ARE ESTABLISHED BY A VRS/GPS SURVEY USING THE OHIO DEPARTMENT OF TRANSPORTATION VRS NETWORK. THE VERTICAL COMPONENT OF THE VRS NETWORK IS BASED ON NAVD 88 AS DETERMINED BY THE NGS (NATIONAL GEODETIC SURVEY).

CONTROL POINTS

CONTROL #1

N. 399,087.492'
E. 2,240,974.617'
ELEV. = 992.18'

1/2" REBAR WITH A C.G. DEIBEL #6673 IDENTIFYING CAP AT AN ANGLE POINT ALONG THE WESTERLY RIGHT OF WAY OF ERIE ST., +/- 8.5' BACK OF CURB OF ERIE ST. & +/- 62.3' NORTH OF A POWER/LIGHT POLE.

CONTROL #2

N. 398,613.159'
E. 2,240,947.786'

1/2" REBAR WITH A C.G. DEIBEL #6673 IDENTIFYING CAP AT NORTHEASTERLY CORNER OF THE LOT 17336 AT THE WESTERLY RIGHT OF WAY OF ERIE ST., +/- 0.3' BACK OF CURB & +/- 7.1' NORTH OF THE CENTER OF A TRAFFIC PULLBOX.

UTILITY STATEMENT:

THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES AS SHOWN HEREON. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN APPROXIMATELY PLATTED BASED ON LOCATIONS FROM AN ACTUAL FIELD SURVEY, AND/OR INFORMATION OBTAINED FROM RECORD PLANS AND MAPS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH DOES STATE THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

DRAWING PREPARED BY:

THE FOREGOING SITE SURVEY WAS PREPARED BY ms consultants, inc. UNDER THE DIRECTION AND SUPERVISION OF CHAD S. SNOW FROM AN ACTUAL FIELD SURVEY PERFORMED IN AUGUST, 2018.

CHAD S. SNOW
REGISTER PROFESSIONAL SURVEYOR No. 8559

BASIS OF BEARING

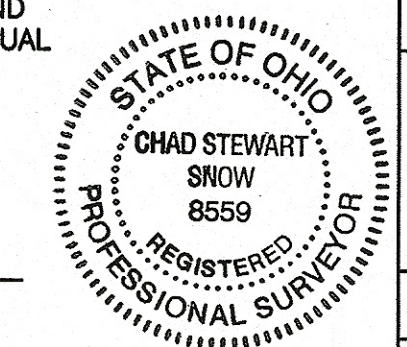
'NORTH' FOR THIS SURVEY IS BASED ON THE WESTERLY RIGHT OF WAY OF ERIE STREET BETWEEN FOUND MONUMENTS AS SHOWN & BEING

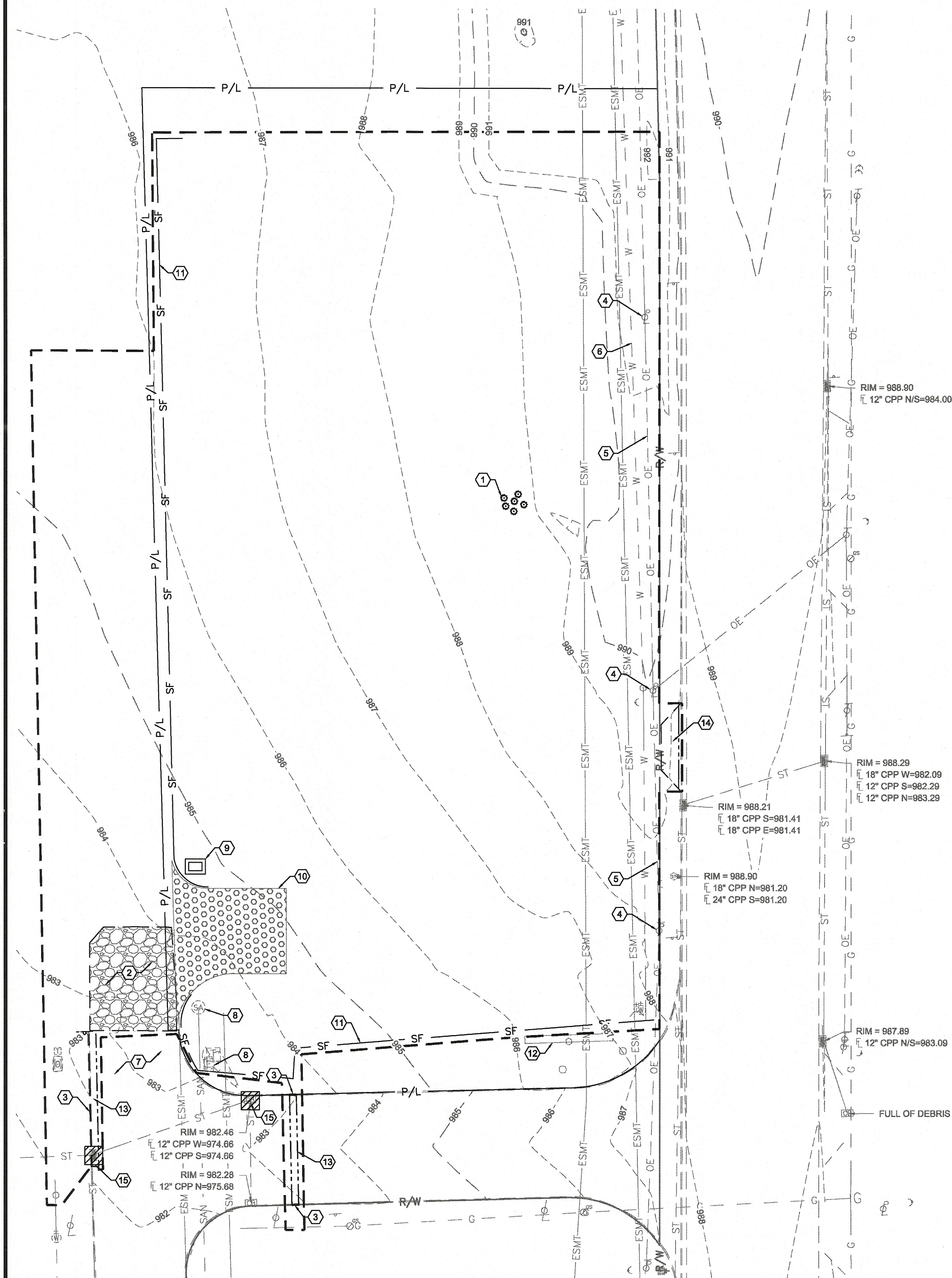
NORTH 03° 13' 25" EAST

AS ESTABLISHED BY A VRS/GNSS SURVEY AND IS REFERENCED TO THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE.

DESCRIPTION	SITE SURVEY	
LOCATION	3725 ERIE STREET MASSILLON, OHIO	
CLIENT	ALDI, INC.	
DRAWN BY	CHECKED BY	CREW CHIEF
MDK	CSS	MKD
SCALE	DATE	PROJECT No.
1" = 30'	09/17/2018	62-40192-93
SHEET		1/1

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CONSULTING ENGINEERS & PLANNERS
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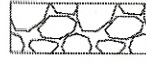












GENERAL NOTES:

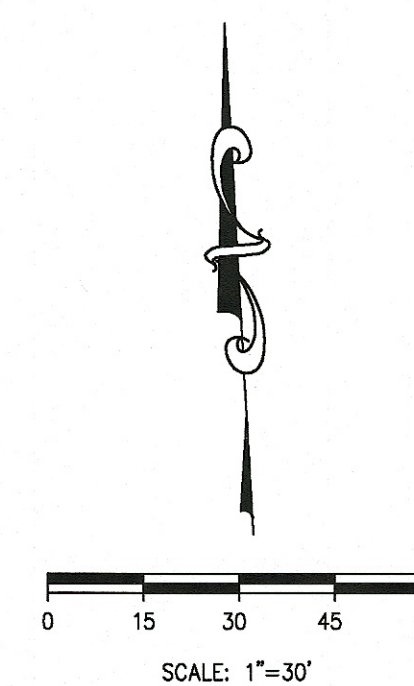
- A. ALL EXISTING UTILITIES, TOPOGRAPHY AND PROPERTY INFORMATION ARE TAKEN FROM A SURVEY OF LAND SITUATED IN THE CITY OF MASSILLON, COUNTY OF STARK, STATE OF OHIO, BY SURVEYOR: ms consultants, inc., 2221 SCHROCK ROAD, COLUMBUS, OHIO 43229.
- B. BY GRAPHICAL PLOTTING ONLY, THIS SITE IS SITUATED IN FEMA FLOOD ZONE X PER FIRM #39151C0194E, EFFECTIVE SEPTEMBER 28, 2011.
- C. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION, AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
- D. CONTRACTOR TO REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIALS RESULTING FROM DEMOLITION AND CONSTRUCTION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- E. ALL EXISTING UTILITIES ARE SHOWN HEREIN AS REFERENCE ONLY AND ARE BASED ON RECORD OF THE VARIOUS UTILITY COMPANIES AND A FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS OF ALL UTILITIES PRIOR TO DEMOLITION ACTIVITIES.
- F. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- G. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- H. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE STATE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- I. CONTRACTOR SHALL CONFINE ALL STOCKPILING OF DEMOLITION MATERIALS TO WITHIN THE LIMITS OF THE SUBJECT PROPERTY.
- J. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO DEMOLITION, SEE C-114 AND C-115 FOR NOTES AND DETAILS.
- K. CAUTION: OVERHEAD LINES ARE PRESENT ON SITE. CONTRACTOR TO TAKE SPECIAL CARE TO PREVENT DAMAGE TO THE LINES AND COORDINATE WITH UTILITY OWNER.

KEYED NOTES:

- ① EXISTING SHRUBS AND VEGETATION TO BE REMOVED.
- ② EXISTING GRAVEL PAVEMENT TO BE REMOVED AND DISPOSED OF.
- ③ EXISTING CURB TO BE REMOVED AND DISPOSED OF.
- ④ EXISTING UTILITY POLE AND GUY WIRES TO REMAIN.
- ⑤ EXISTING OVERHEAD WIRE TO REMAIN.
- ⑥ EXISTING WATER LINE TO REMAIN.
- ⑦ EXISTING PAVEMENT TO REMAIN.
- ⑧ EXISTING UTILITY STRUCTURE TO REMAIN.
- ⑨ CONCRETE WASHOUT, SEE DETAIL ON SHEET C-114. A MANUFACTURED OUTPAK CONCRETE WASHOUT BIN OR OTHER APPROVED EQUAL MAY BE UTILIZED TO LIMIT DISTURBANCE OF SURROUNDING AREAS.
- ⑩ CONSTRUCTION ENTRANCE, SEE DETAIL ON SHEET C-114.
- ⑪ SILT FENCE, SEE DETAIL ON SHEET C-114. SILT FENCE AT TOE OF SLOPE SHALL BE REINFORCED TO PREVENT FAILURE.
- ⑫ EXISTING MENARDS SITE SIGN TO REMAIN.
- ⑬ EXISTING ASPHALT PAVEMENT TO BE REMOVED AND DISPOSED OF.
- ⑭ EXISTING CONCRETE DRIVE TO BE REMOVED AND DISPOSED OF.
- ⑮ INLET PROTECTION, SEE DETAIL ON SHEET C-114.

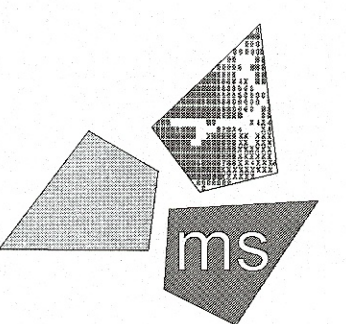
LEGEND

FEATURE	DESCRIPTION
	OVERHEAD ELECTRIC LINE
	GAS LINE
	SANITARY SEWER
	STORM SEWER
	WATER MAIN
	SILT FENCE
	PROPERTY LINE
	CONSTRUCTION LIMITS
	EASEMENT
	FULL-DEPTH SAW CUT LINE
	CONSTRUCTION ENTRANCE
	GRAVEL PAVEMENT
	SANITARY STRUCTURE
	STORM STRUCTURE
	WATER VALVE
	FIRE HYDRANT
	ELECTRICAL STRUCTURE
	LIGHT POLE
	UTILITY POLE
	GUY WIRE
	GAS STRUCTURE
	SHRUBBERY
	CONCRETE WASHOUT
	INLET PROTECTION

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fax 614.898.7570

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KEA

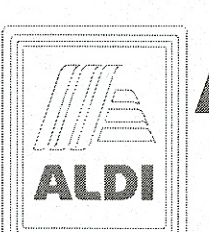
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PROFESSIONAL OF RECORD:
IAN AULTMAN No. E-76274
EXP. DATE: 12/31/19



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(330) 273-7351
(330) 273-7352 fax

ALDI Inc. Store #: 76
Massillon, OH
Erie Street South
Massillon, Ohio 44646
Stark County
Project Name & Location:

Demolition Plan & Phase I SWPPP

Prototype Rls.	07/27/18
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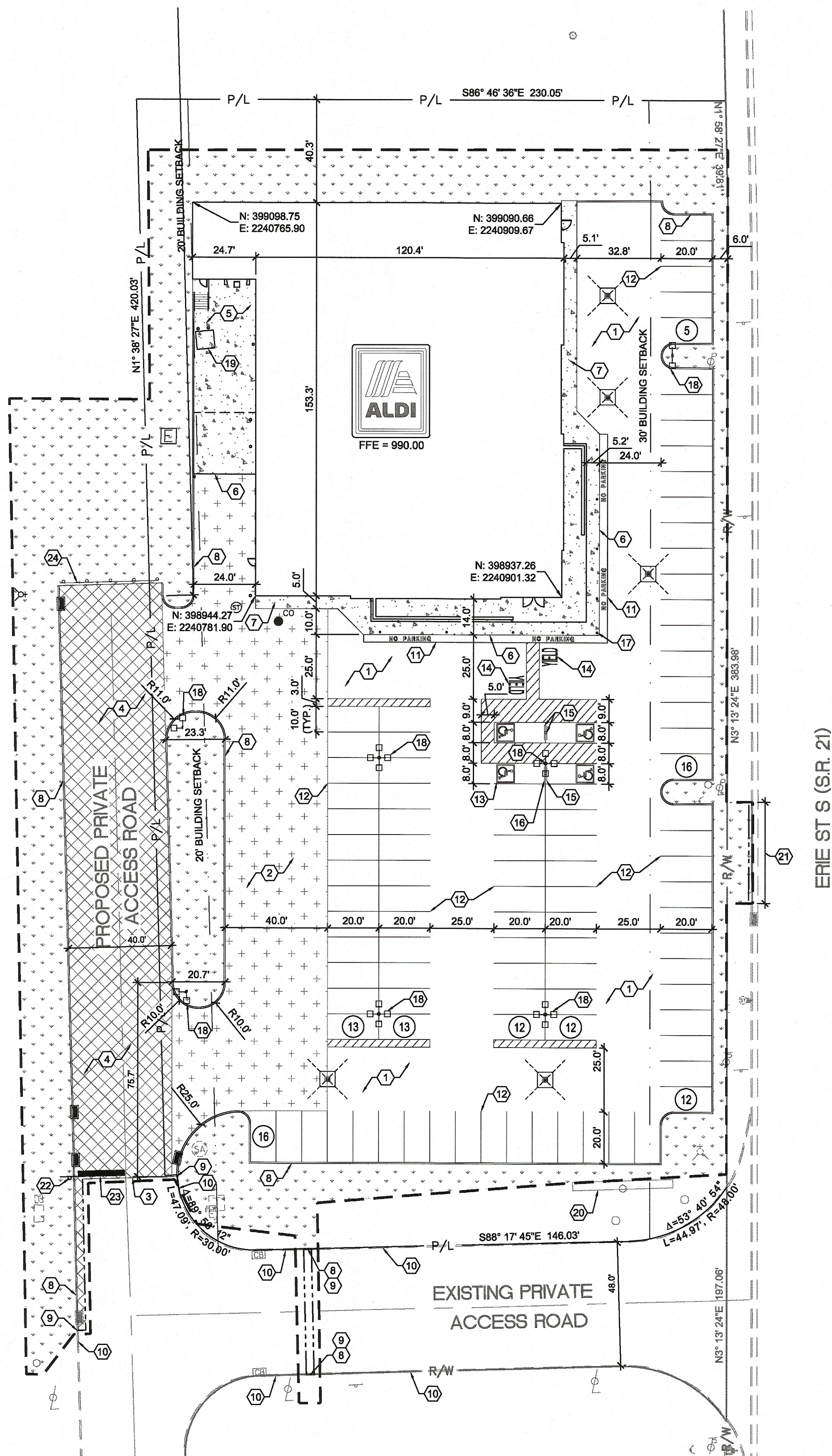
Project No.
40192-93

Type:LHRD-V7ER

C-104

Scale: As Noted

Drawing No.



SITE DATA			
	SQ. FT.	ACRES	PERCENT
TOTAL SITE AREA	99,861	2.29	-
BUILDING	19,200	0.44	19.2
PAVEMENT AND WALK	56,466	1.30	56.5
EXISTING PERVIOUS	99,861	2.29	100.0
EXISTING IMPERVIOUS	0	0.00	0.0
TOTAL PROPOSED PERVIOUS	24,195	0.56	24.2
TOTAL PROPOSED IMPERVIOUS	75,666	1.74	75.8

PARKING DATA		
	REQUIRED	PROVIDED
STANDARD	60	95
HANDICAP**	4	4
TOTAL*	64	99

* TOTAL SPACES: 1 PER 300 S.F. FLOOR AREA = 19,209 SQ. FT.
 ** H.C. SPACES: 1 PER 25 STANDARD SPACES

GENERAL NOTES:

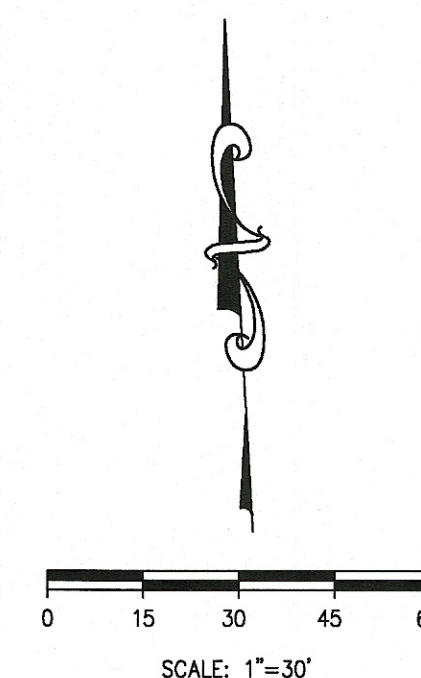
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- B. BY GRAPHICAL PLOTTING ONLY, THIS SITE IS SITUATED IN FEMA FLOOD ZONE X PER FIRM #391510194E, EFFECTIVE SEPTEMBER 29, 2011.
- C. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION, AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
- D. PROVIDE SMOOTH TRANSITION FROM NEWLY PAVED AREAS TO EXISTING PAVED AREAS AS NECESSARY. THE EXISTING EDGE OF PAVEMENT SHALL BE FREE OF ALL LOOSE DEBRIS AT ALL AREAS WHERE PROPOSED PAVEMENT MEETS EXISTING PAVEMENT. THE EDGE OF EXISTING CONCRETE PAVEMENT SHALL BE PROPERLY SEALED WITH A TACK COAT MATERIAL IN ALL AREAS WHERE NEW CONCRETE PAVEMENT IS INDICATED TO JOIN EXISTING.
- E. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
- F. ALL PAVEMENT MARKINGS DEPICTING PARKING SPACES, ACCESSIBLE PARKING SPACES, BARRIER FREE SYMBOLS, ACCESS AISLES, NO PARKING SIGNAGE, RESTRICTED PARKING AREAS, DRIVE LINES, VEHICULAR DIRECTION ARROWS AND STOP BARS SHALL BE APPLIED WITH MECHANICAL EQUIPMENT AND TEMPLATES AT THE LOCATIONS AND LENGTHS SHOWN ON THE PLANS (TWO COATS ALL LOCATIONS). PAINT SHALL BE WHITE IN COLOR (UNLESS OTHERWISE SPECIFIED) AND SHALL MEET ALL APPLICABLE REQUIREMENTS OF LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- G. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- H. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND ADDITIONAL INFORMATION.
- I. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- J. ALL EXCAVATED AREAS TO BE SEEDDED AND/OR SODDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEWLY SEEDDED/SODDED AREAS SHALL HAVE A MINIMUM OF 4" OF TOPSOIL, HOLD SOIL DOWN 1" FROM PAVEMENT ELEVATION. CONTRACTOR TO SUPPLY STRAW MULCH WHERE GRASS SEED HAS BEEN PLANTED.
- K. ALL RADII ARE 5.0 FEET UNLESS OTHERWISE SHOWN. ALL RADII INDICATED ON PLANS SHALL BE CONSTRUCTED AS CIRCULAR ARCS.
- L. PROPOSED BUILDING AND PARKING ARE PARALLEL AND PERPENDICULAR TO THE EASTERN PROPERTY LINE HAVING THE BEARING N 03° 13' 24" E AND DISTANCE OF 383.98'.

KEYED NOTES:

- (1) PROPOSED STANDARD DUTY ASPHALT PAVEMENT. SEE DETAIL ON SHEET C-106.
- (2) PROPOSED HEAVY DUTY ASPHALT PAVEMENT. SEE DETAIL ON SHEET C-106.
- (3) PROPOSED ASPHALT PAVEMENT TO BE FLUSH WITH EXISTING.
- (4) PROPOSED ACCESS ROAD PAVEMENT PER CITY OF MASSILLON REQUIREMENTS. SEE CROSS SECTION FOR PRIVATE ROAD DETAIL ON SHEET C-106.
- (5) PROPOSED CONCRETE LOADING DOCK. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILS.
- (6) PROPOSED CONCRETE TO BE FLUSH WITH ADJACENT ASPHALT PAVEMENT.
- (7) PROPOSED CONCRETE SIDEWALK. SEE STRUCTURAL PLANS FOR DETAILS.
- (8) PROPOSED 6" CONCRETE CURB PER ODOT ROADWAY STANDARD CONSTRUCTION DRAWING BP-5.1 ITEM 609 TYPE 6.
- (9) TAPER LAST 10' OF NEW CURB TO MEET AND MATCH CONFIGURATION AND ELEVATION OF EXISTING ADJOINING CURB.
- (10) EXISTING CONCRETE CURB TO REMAIN.
- (11) PROPOSED PAINTED "NO PARKING" MARKINGS. SEE DETAIL ON SHEET C-106.
- (12) PROPOSED PAINTED PARKING STRIPING (TYPICAL). ALL PARKING STRIPES ARE TO BE 4" PAINTED WHITE, UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS OR SPECIFICATIONS.
- (13) PROPOSED PAINTED HANDICAP PARKING SYMBOL (TYP. OF 4). SEE DETAILS ON SHEET C-106.
- (14) PROPOSED PAINTED "YIELD" MARKINGS PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SECTION 3B.20.
- (15) GENERAL CONTRACTOR TO PROVIDE AND INSTALL (3) POLE-MOUNTED "VAN ACCESSIBLE" HANDICAP PARKING SIGNS. SIGNS PROVIDED BY CONTRACTOR SHALL MEET LOCAL REQUIREMENTS. SEE DETAIL ON SHEET C-106.
- (16) GENERAL CONTRACTOR TO PROVIDE AND INSTALL (1) POLE-MOUNTED HANDICAP PARKING SIGNS. SIGNS PROVIDED BY CONTRACTOR SHALL MEET LOCAL REQUIREMENTS. SEE DETAIL ON SHEET C-106.
- (17) PROPOSED BOLLARD (TYP. OF 16). SEE STRUCTURAL AND ARCHITECTURAL PLANS FOR DETAILS.
- (18) PROPOSED LIGHT POLE. SEE SHEET C-106 FOR BASE DETAIL. SEE ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL PLANS FOR ADDITIONAL DETAILS.
- (19) PROPOSED DUMPSTER. SEE ARCHITECTURAL PLANS FOR DETAILS.
- (20) EXISTING MENARDS SITE SIGN TO REMAIN. PROPOSED ALDI SIGN TO BE ADDED TO PYLON. CONTRACTOR TO COORDINATE WITH OWNER. SEE ELECTRICAL PLANS FOR DETAILS.
- (21) PROPOSED 6" CONCRETE CURB AND GUTTER PER ODOT ROADWAY STANDARD CONSTRUCTION DRAWING BP-5.1 ITEM 609 TYPE 2. MATCH EXISTING ADJACENT CURB SECTIONS.
- (22) GENERAL CONTRACTOR TO PROVIDE AND INSTALL ONE (1) POLE MOUNTED "STOP" SIGN PER ODOT ITEM 630.
- (23) PROPOSED PAINTED 24" WIDE STOP BAR, 18 FT. IN LENGTH PER ODOT ITEM 641.
- (24) PROPOSED GUARDRAIL PER ODOT ITEM 606.

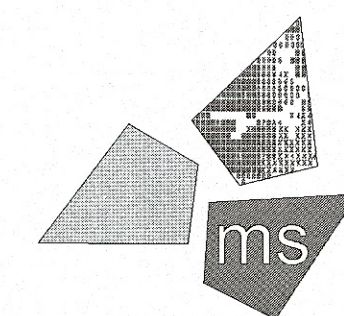
LEGEND

FEATURE	DESCRIPTION	
	CONCRETE	
	STANDARD DUTY ASPHALT PAVEMENT	
	HEAVY DUTY ASPHALT PAVEMENT	
	ACCESS ROAD PAVEMENT	
	GRASS / LANDSCAPED AREA	
	FULL-DEPTH SAWCUT LINE	
	CONSTRUCTION LIMITS	
	BUILDING SETBACK LINE	
EXISTING	PROPOSED	
		SANITARY STRUCTURE
		STORM STRUCTURE
		WATER VALVE
		FIRE HYDRANT
		ELECTRICAL STRUCTURE
		LIGHT POLE
		UTILITY POLE
		GUY WIRE
		GAS STRUCTURE
		SHRUBBRY

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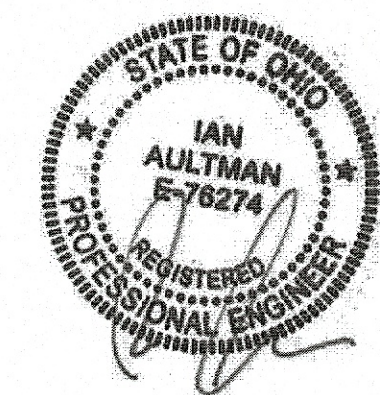


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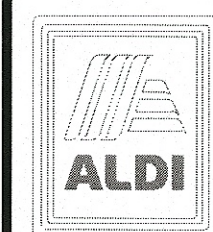
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REVIEWED BY: IA

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PROFESSIONAL OF RECORD:
IAN AULTMAN No. E-76274
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(330) 273-7352 fax

ALDI Inc. Store #: 76
Massillon, OH
Erie Street South
Massillon, Ohio 44646
Stark County
Project Name & Location:

Site Plan

Drawing Name:	Prototype Rls.
	07/27/18

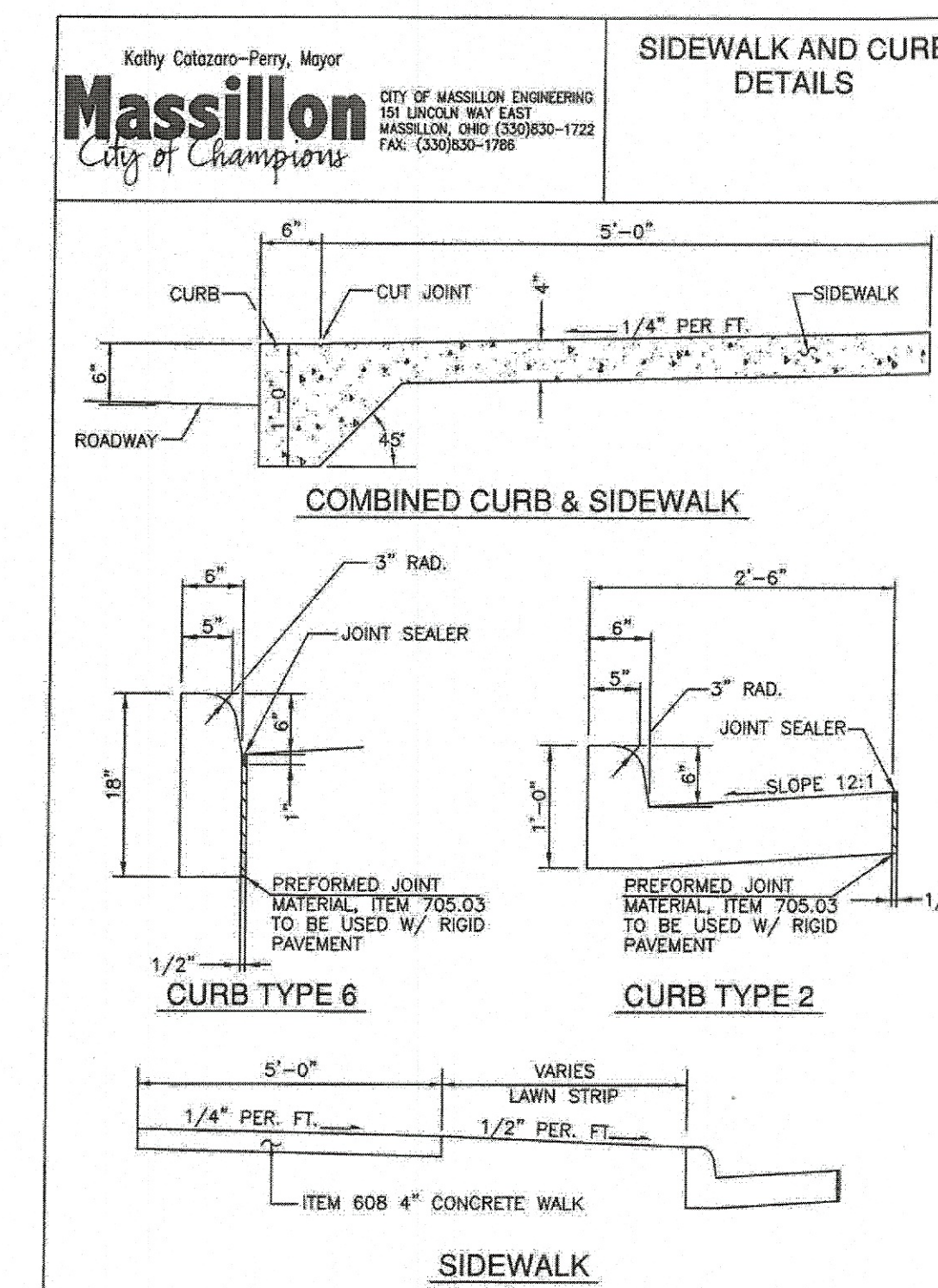
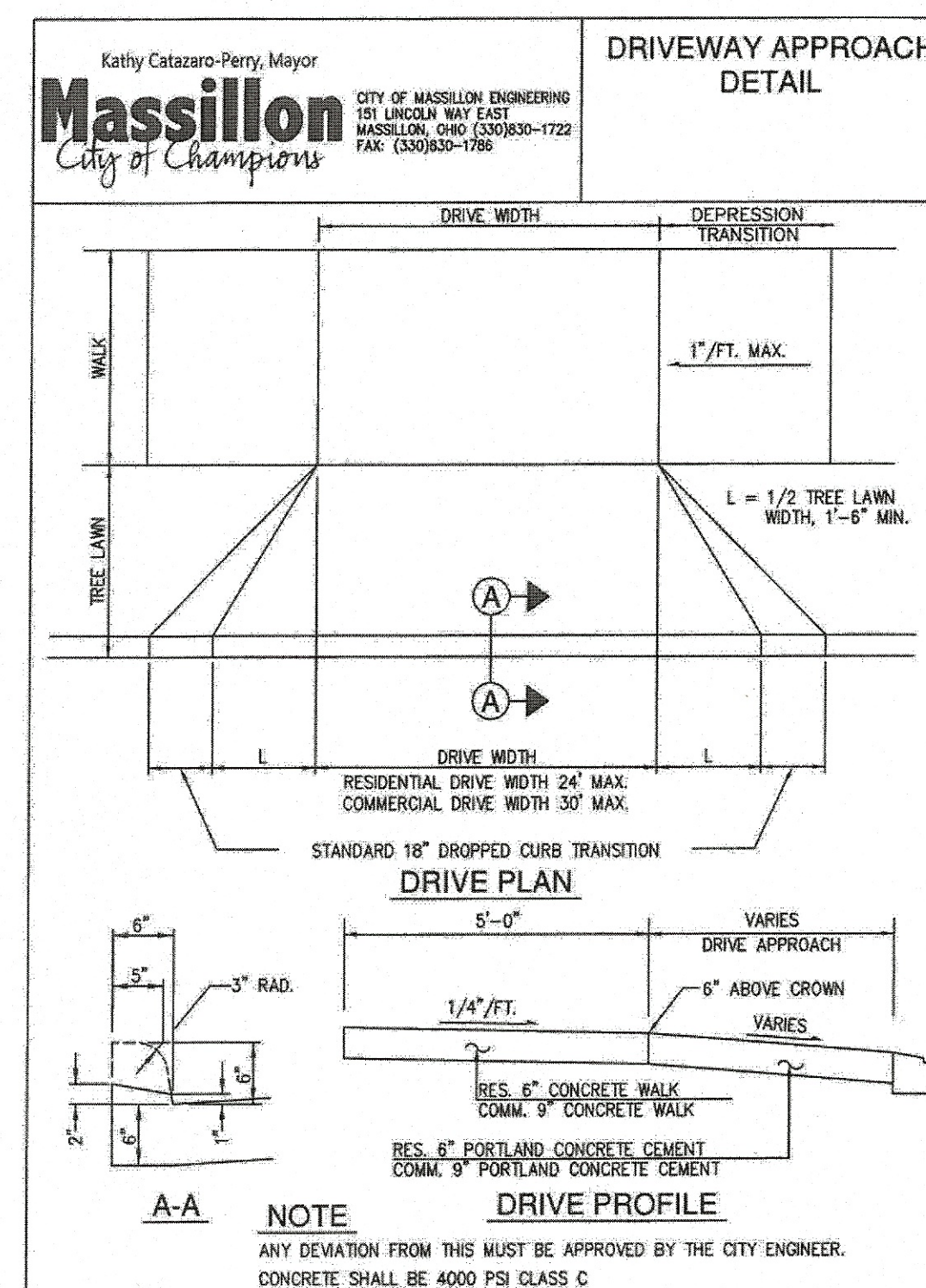
Project No.
40192-93

Type:LHRD-V7ER

C-105

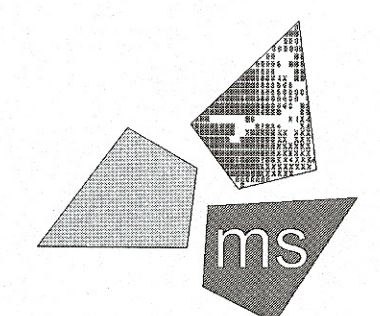
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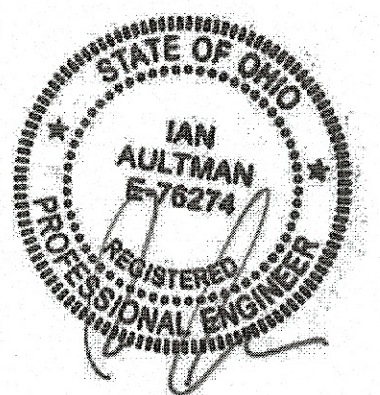


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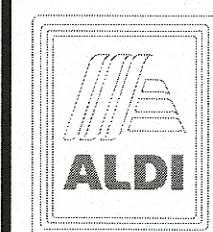
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IAN AULTMAN No. E-76274
EXP. DATE: 12/31/19



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ALDI Inc. Store #: 76
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Stark County
Project Name & Location:

Site Details

Drawing Name:

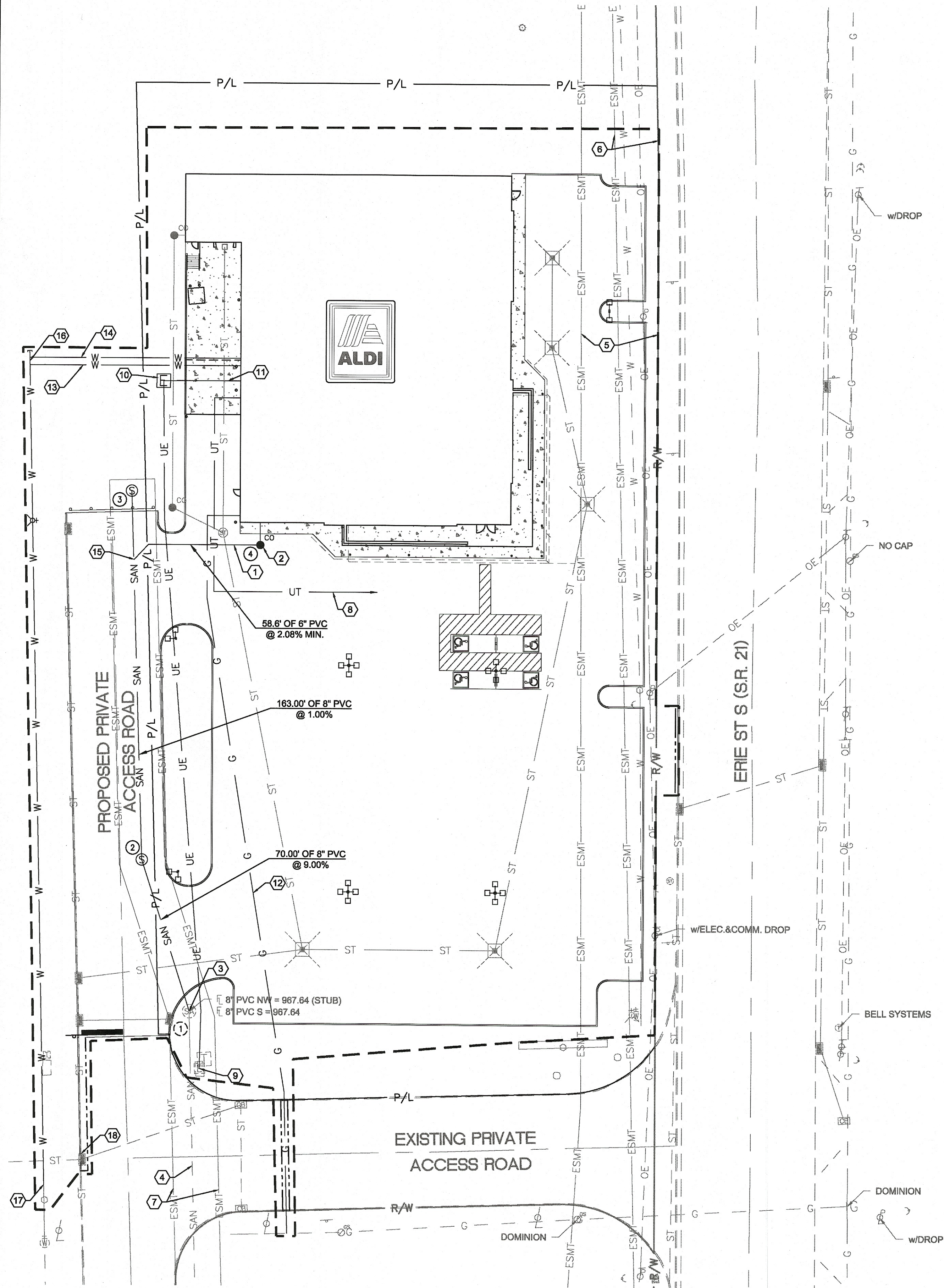
Prototype Rls. 07/27/18	Project No. 40192-93
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C-107

Scale: As Noted	Drawing No.
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GENERAL NOTES:

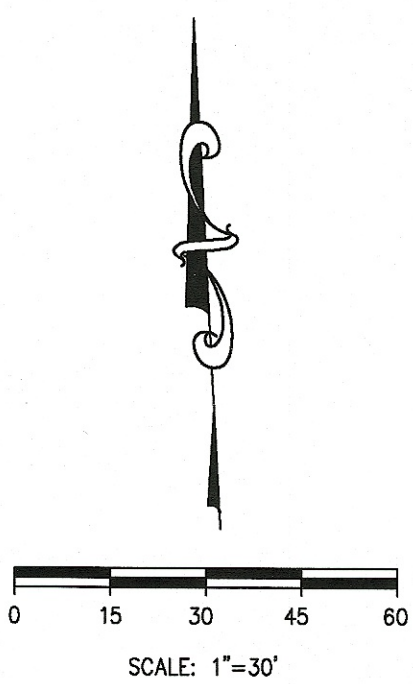
- ALL EXISTING UTILITIES, TOPOGRAPHY, UTILITIES AND PROPERTY INFORMATION ARE TAKEN FROM A SURVEY OF LAND SITUATED IN THE CITY OF HILLIARD, COUNTY OF FRANKLIN, STATE OF OHIO, BY SURVEYOR: ms consultants, inc, 2221 SCHROCK ROAD, COLUMBUS, OHIO 43229.
- ALL CONSTRUCTION METHODS AND MATERIAL MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- ALL EXISTING UTILITIES, ARE TAKEN FROM SURVEY AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND UTILITIES ADJACENT TO OR UPON PREMISES SHOWN ON PLAN.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. PROPOSED UTILITIES SHOULD TIE INTO EXISTING UTILITIES AT A POINT INDICATED ON PLANS.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATION IS AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES DURING CONSTRUCTION AND ALL DAMAGE SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER OR CITY.
- THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES SO AS TO NOT CAUSE DAMAGE.
- STORM SEWER SHOWN HERE FOR REFERENCE ONLY. SEE SHEET GRADING PLAN ON SHEET C-108.
- CONTRACTOR TO VERIFY ELEVATIONS OF EXISTING SANITARY SEWER PRIOR TO CONSTRUCTION AND NOTIFY OWNER AND ENGINEER 3 DAYS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF 4' OVER PROPOSED WATER SERVICE.
- THERE SHALL BE A MINIMUM TEN-FOOT HORIZONTAL SEPARATION BETWEEN WATER TAPS, WATER SERVICES, PRIVATE WATER SYSTEMS, AND ANY SANITARY AND/OR STORM SEWER SYSTEMS. WHERE 10-FOOT HORIZONTAL SEPARATION CANNOT BE OBTAINED, THE BOTTOM OF THE WATER LINE SHALL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
- SEE PLUMBING PLANS FOR CONTINUATION OF UTILITY LINES INTO BUILDING.
- CONTRACTOR SHALL INSTALL AND BACKFILL ALL UTILITY PIPES, CONDUITS, STRUCTURES, AND TRENCHES PER DETAIL ON SHEET C-110.

KEYED NOTES:

- PROPOSED 6" P.V.C. SANITARY SEWER. ASTM F-794, SDR-26. SEWER TO HAVE MINIMUM SLOPE OF 2.08%.
- PROPOSED SANITARY CLEANOUT (TYP.). SEE DETAIL ON SHEET C-110.
- PROPOSED 8" SANITARY TO CONNECT TO EXISTING MANHOLE. CORE INTO EXISTING STRUCTURE.
- EXISTING 8" SANITARY SEWER MAIN.
- EXISTING 30' ELECTRICAL EASEMENT.
- EXISTING 10' WATER EASEMENT.
- EXISTING 10' SANITARY EASEMENT.
- PROPOSED UNDERGROUND TELEPHONE SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY OWNER.
- CONNECT TO EXISTING ELECTRICAL STRUCTURES. CONTRACTOR TO COORDINATE WITH UTILITY OWNER.
- PROPOSED ELECTRIC TRANSFORMER. CONTRACTOR TO COORDINATE LOCATION AND CONNECTION WITH UTILITY OWNER.
- PROPOSED ELECTRICAL SERVICE. CONTRACTOR TO COORDINATE CONDUIT SIZE, NUMBER OF CONDUITS, CONNECTIONS, AND BEND RADII WITH UTILITY OWNER AND MEP PLANS. CONTRACTOR TO COORDINATE CONNECTION TO TRANSFORMER WITH UTILITY OWNER.
- PROPOSED 2" GAS LINE FOR ANTICIPATED NG LOAD OF 905 MBH AT 10" W.C.. CONFIRM AND COORDINATE WITH MEP PLANS. ALL MATERIALS AND INSTALLATION ARE TO BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES. CONTRACTOR TO COORDINATE LOCATION OF GAS MAIN AND CONNECTION CONNECTION WITH UTILITY OWNER.
- PROPOSED 6" DUCTILE IRON FIRE SERVICE LINE. INCLUDE IN BASE BID ALL VALVES, PIPING, STRUCTURES, ETC. THAT WILL BE REQUIRED.
- PROPOSED 2" TYPE K COPPER DOMESTIC SERVICE LINE. INCLUDE IN BASE BID ALL VALVES, PIPING, STRUCTURES, ETC. THAT WILL BE REQUIRED.
- PROPOSED 8X6 WYE WITH RISER CONNECTION.
- PROPOSED 10" DUCTILE IRON WATER LINE. INCLUDE IN BASE BID ALL VALVES, PIPING, STRUCTURES, ETC. THAT WILL BE REQUIRED.
- CONNECT TO EXISTING 10" WATER LINE. CONTRACTOR TO COORDINATE LOCATION AND CONNECTION WITH UTILITY OWNER.
- CORE DRILL EXISTING PRECAST CATCH BASIN AND CONNECT NEW STORM SEWER PIPE TO INLET WITH A CONCRETE COLLAR.

SANITARY STRUCTURE DATA

- EXISTING MANHOLE
TC: 983.85
EX: 8" (NW, S) = 967.64
- PROPOSED MANHOLE
TC: 985.27
PR: 8" (N, S) = 973.94
- PROPOSED MANHOLE
TC: 986.50
PR: 8" (S) = 975.57
- PROPOSED CLEANOUT
TC: 989.25
PR: 6" (N, W) = 984.79



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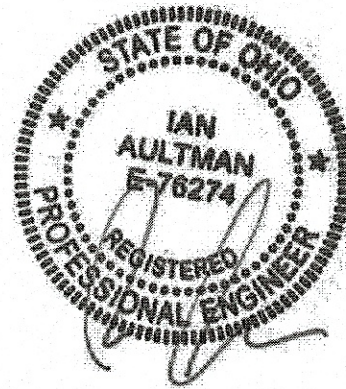
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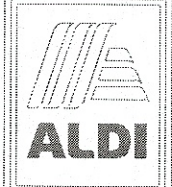
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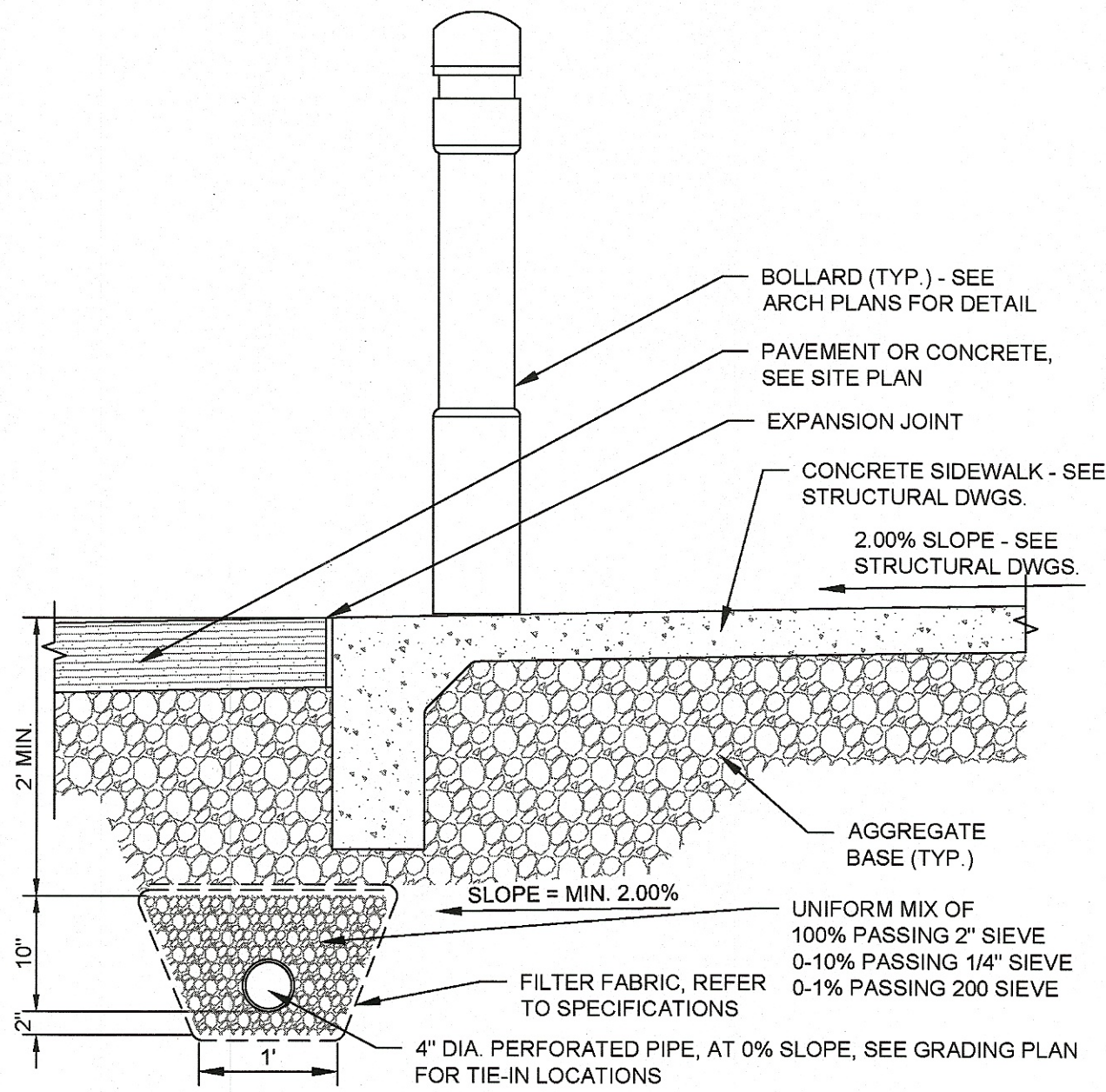


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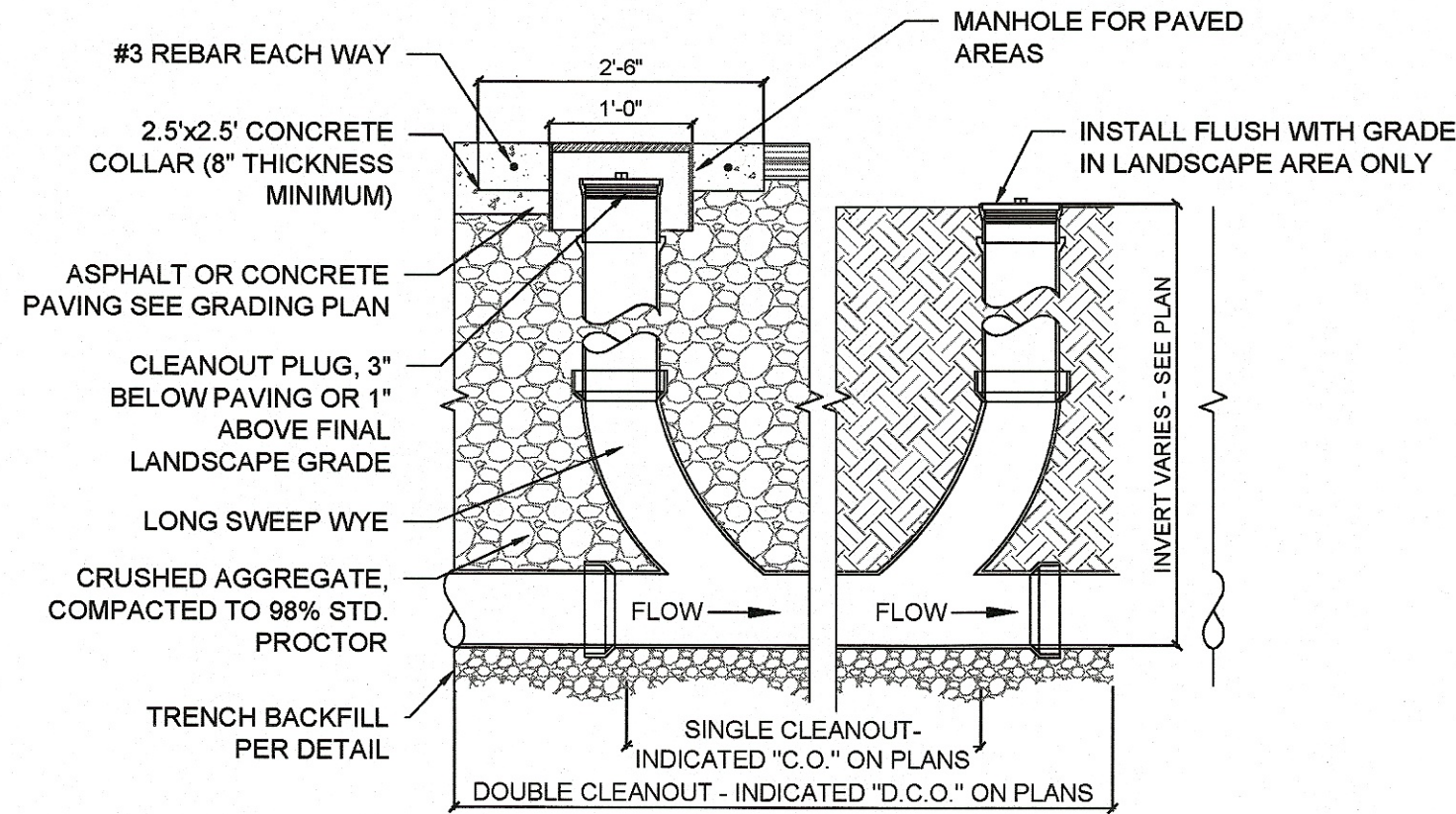

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Stark County
Project Name & Location:

Drawing Name:	Project No.
Prototype Rls. 07/27/18	40192-93
Type: LHRD-V7ER	C-109
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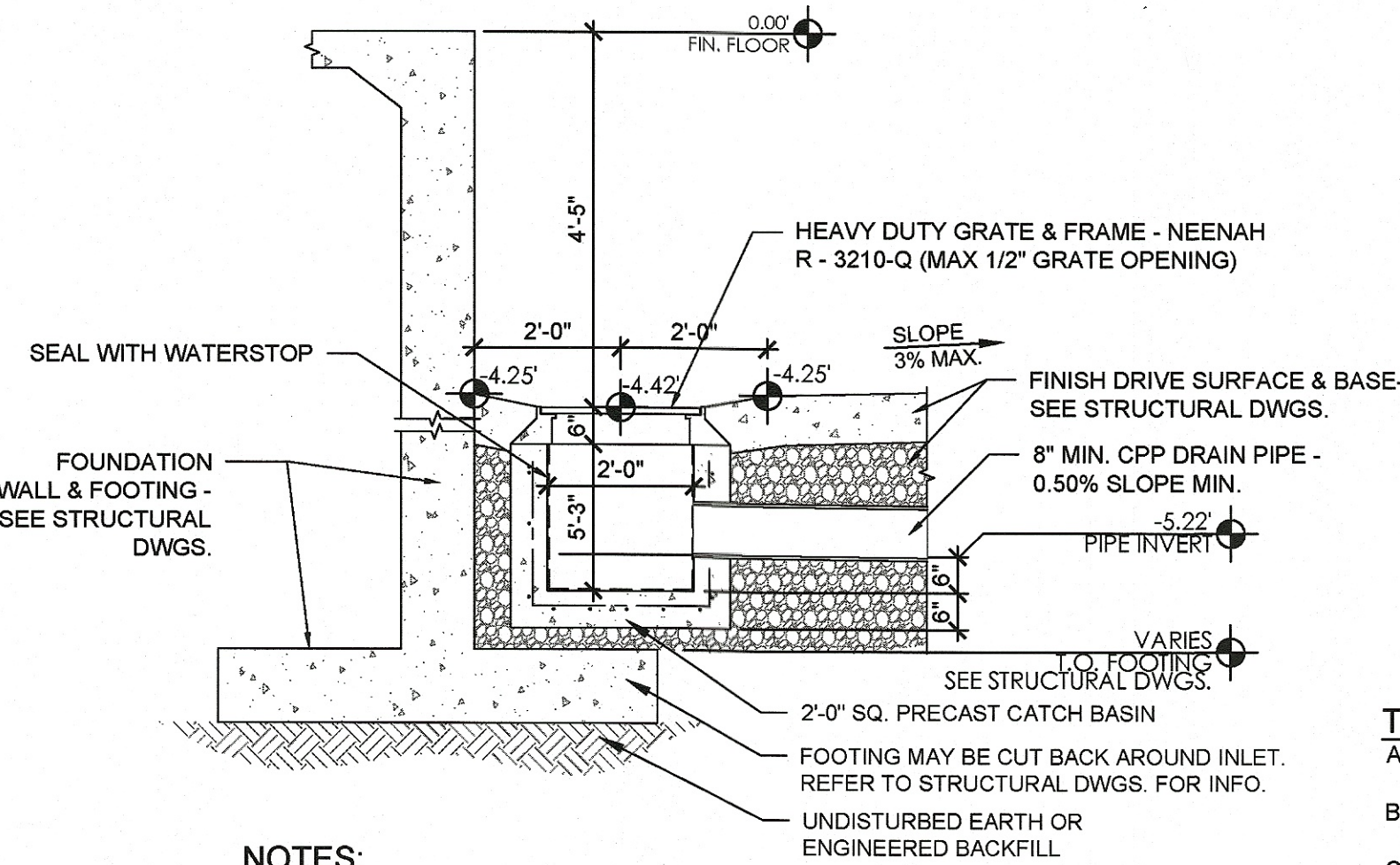


A UNDERDRAIN DETAIL
C110/N.T.S.



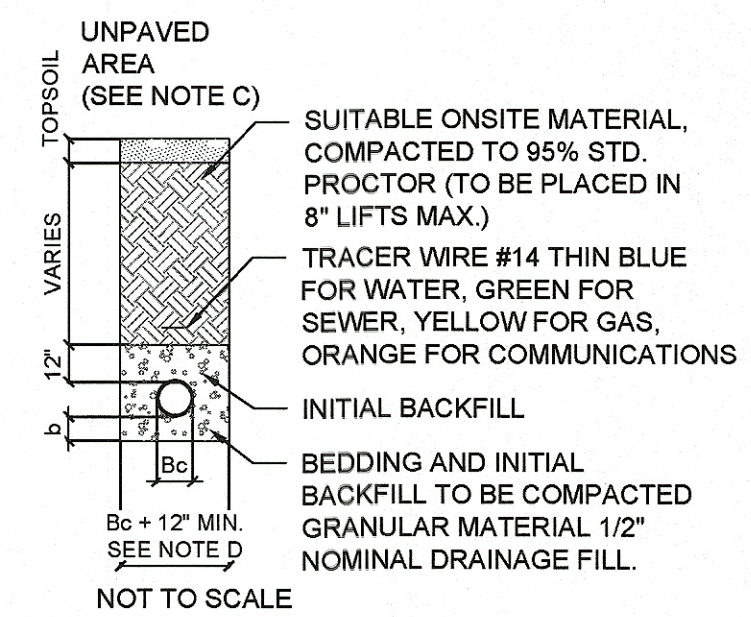
- NOTES**
- CLEANOUT LOCATIONS INDICATED ON GRADING AND UTILITY PLANS AS "CO" FOR SINGLE CLEANOUT AND "DCO" FOR DOUBLE CLEAN OUT.
 - PROVIDE CLEANOUTS AS SPECIFIED:
 - ZURN Z-1400 CLEANOUTS IN NON-TRAFFIC AREAS AND SIDEWALKS
 - ZURN Z-1449 CLEANOUTS IN LANDSCAPED AREAS
 - ZURN Z-1400 HD CLEANOUTS IN TRAFFIC AREAS WITH A "SERVICE STATION" TYPE MANHOLE, OPW #104 A12 - DOVER CORP./OPW DIV.

B PIPE CLEANOUT DETAIL
C110/N.T.S.



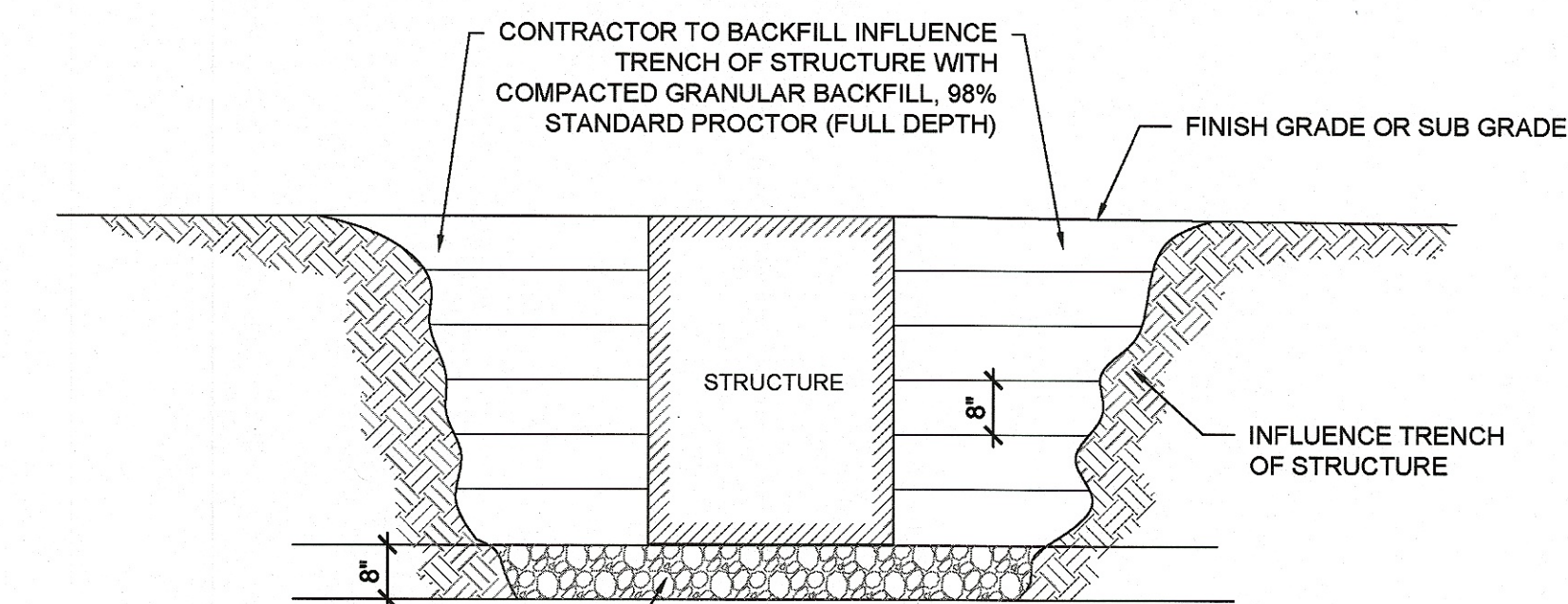
- NOTES:**
- CPP = SMOOTH LINED CORRUGATED POLYETHYLENE PIPE
 - PVC = POLYVINYL CHLORIDE PIPE
 - LESS THAN 12" SHALL BE PVC
 - 12" OR GREATER SHALL BE CPP

C TRUCK WELL INLET DETAIL
C110/N.T.S.



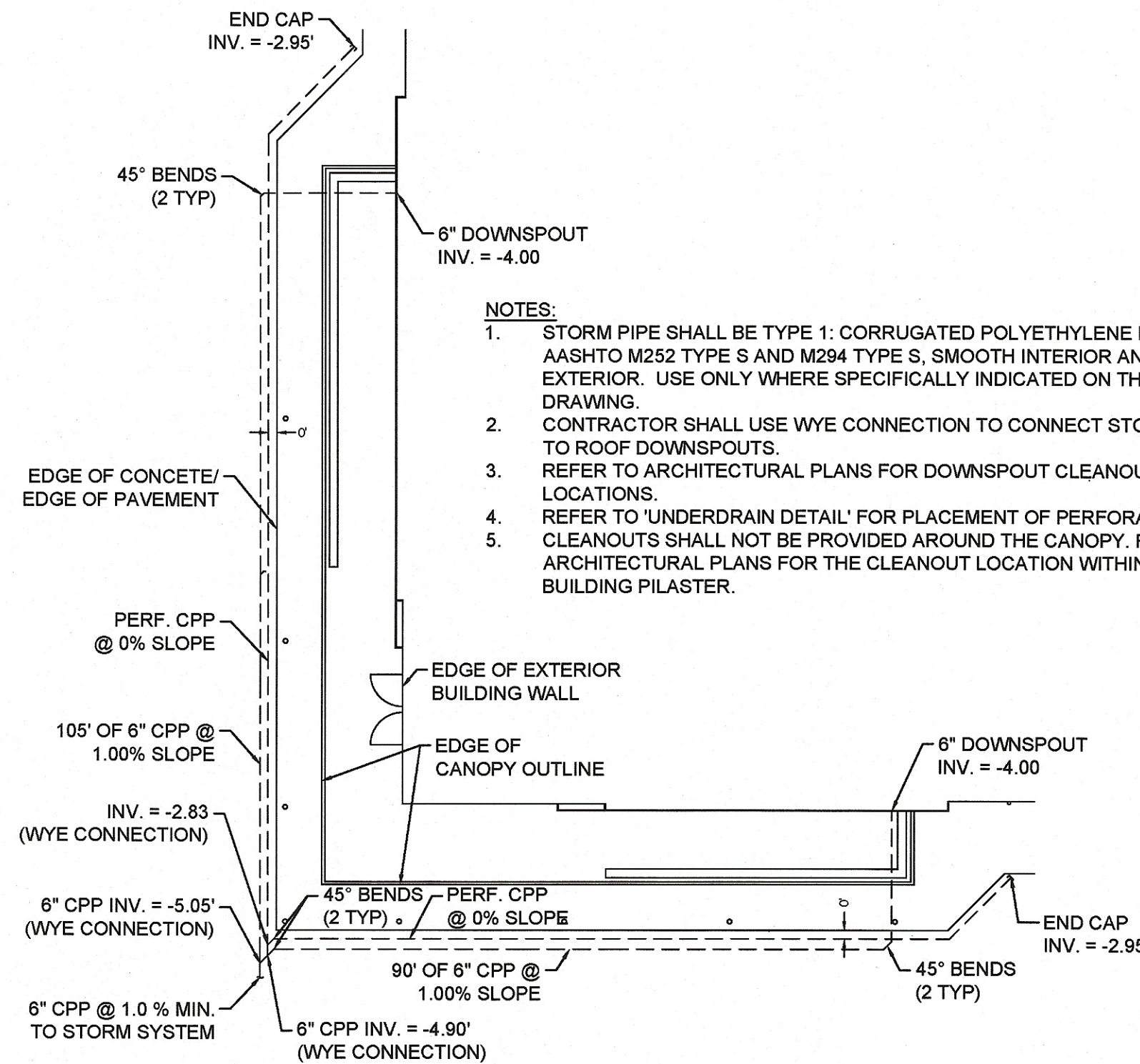
- TRENCH / BACKFILL NOTES**
- BEDDING THICKNESS UNDER PIPE BARREL b, SHALL BE 1/8 OF Bc; 6" MIN. Bc IS OUTSIDE DIAMETER OF PIPE AT BELL.
 - THE HAUNCH AREA OF THE PIPE MUST BE FULLY SUPPORTED; THEREFORE THE BEDDING MATERIAL SHALL BE HAND PLACED AND COMPACTED UNDER THE PIPE HAUNCH.
 - IF UNPAVED AREA IS WITHIN 10' OF PAVEMENT OR STRUCTURE THEN FOLLOW TRENCH GUIDELINES FOR PAVED AREA.
 - PIPE DIAMETER OF 4" OR SMALLER SHALL HAVE A MAXIMUM TRENCH WIDTH OF 12".
 - BEDDING AND INITIAL BACKFILL SHALL BE SAND FOR ALL UTILITY CONDUIT CARRYING WATER, ELECTRIC, GAS, AND TELEPHONE.

D TRENCH BACKFILL DETAIL
C110/N.T.S.

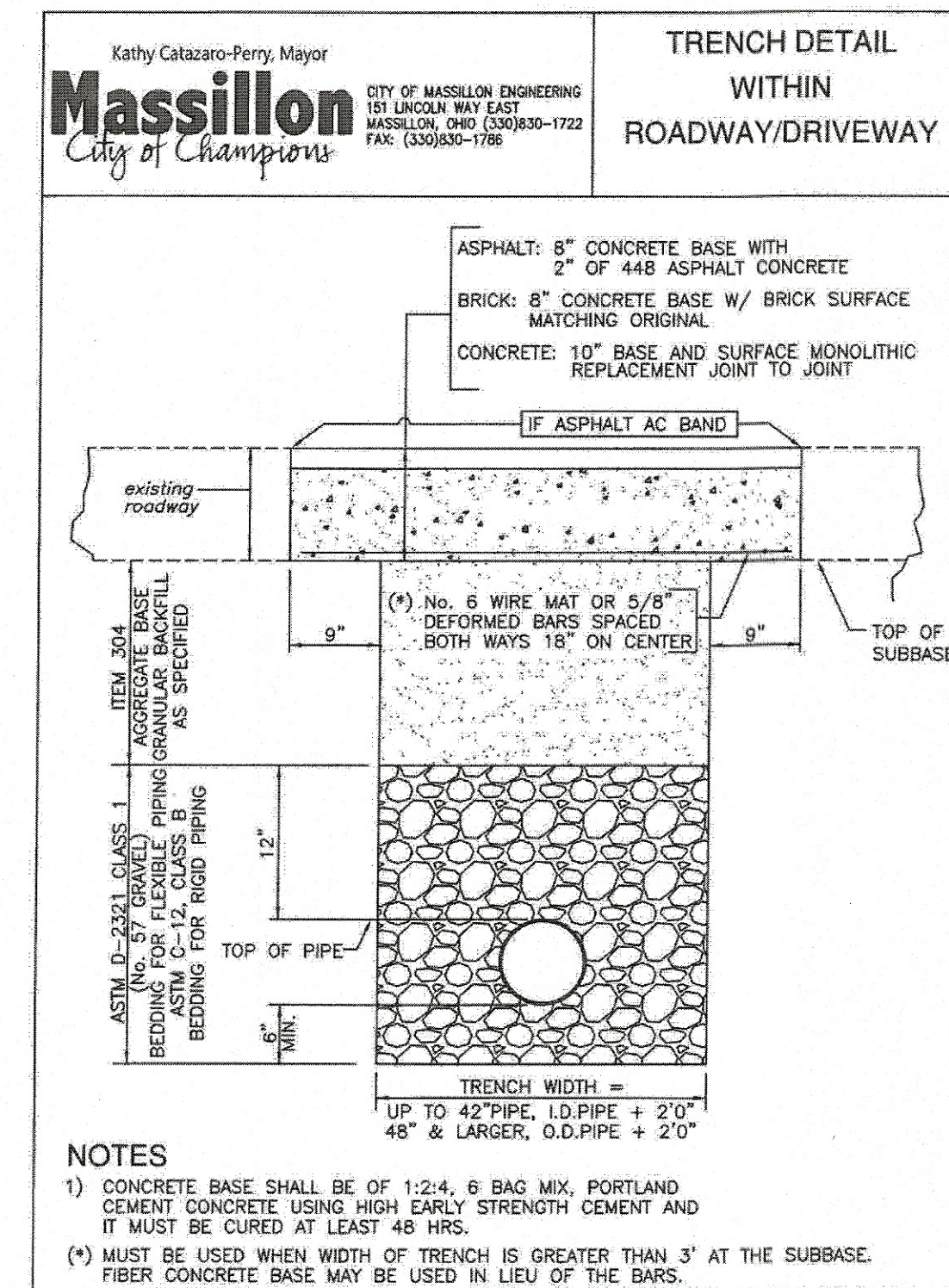


- NOTE:**
- BACKFILL TO BE PLACED IN 8" LIFTS AND TESTED EACH 24" DEPTH OF FILL - (1) TEST PER STRUCTURE PER 2' FILL) LOCATIONS CERTIFIED BY REPUTABLE TESTING COMPANY, COMPARISONS SHALL BE DOCUMENTED PRIOR TO ISSUANCE OF PAYMENT.
- * NO ON SITE FILL WILL BE ALLOWED FOR UTILITY STRUCTURES UNLESS SPECIFICALLY APPROVED BY ALDI REPRESENTATIVE.

E UTILITY STRUCTURE BACKFILL DETAIL
C110/N.T.S.



F TYPICAL CANOPY UTILITY LOCATIONS
C110/N.T.S.



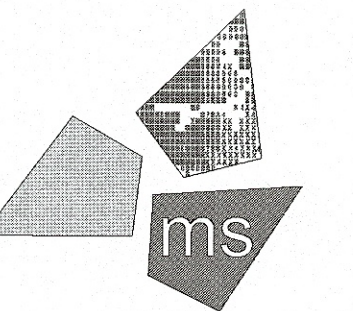
- NOTES**
- CONCRETE BASE SHALL BE OF 1:2:4, 6 BAG MIX, PORTLAND CEMENT CONCRETE USING HIGH EARLY STRENGTH CEMENT AND IT MUST BE CURED AT LEAST 48 HRS.
 - MUST BE USED WHEN WIDTH OF TRENCH IS GREATER THAN 3" AT THE SUBBASE. FIBER CONCRETE BASE MAY BE USED IN LIEU OF THE BARS.

G TRENCH WITHIN ROADWAY/DRIVEWAY
C110/N.T.S.

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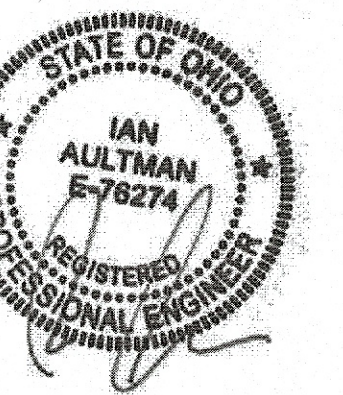


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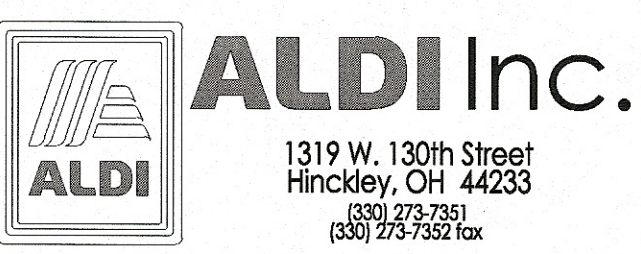
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KEA

REVIEWED BY:
IA

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Massillon, Ohio 44646
Stark County
Project Name & Location:

Utility Details

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	07/27/18	40192-93
Type: LHRD-V7ER		
		C-110
Scale: As Noted		Drawing No.

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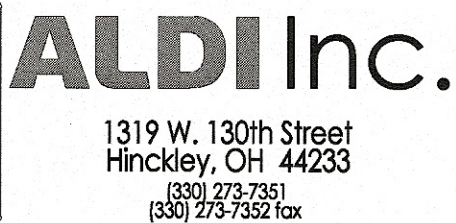
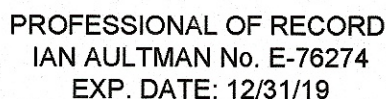
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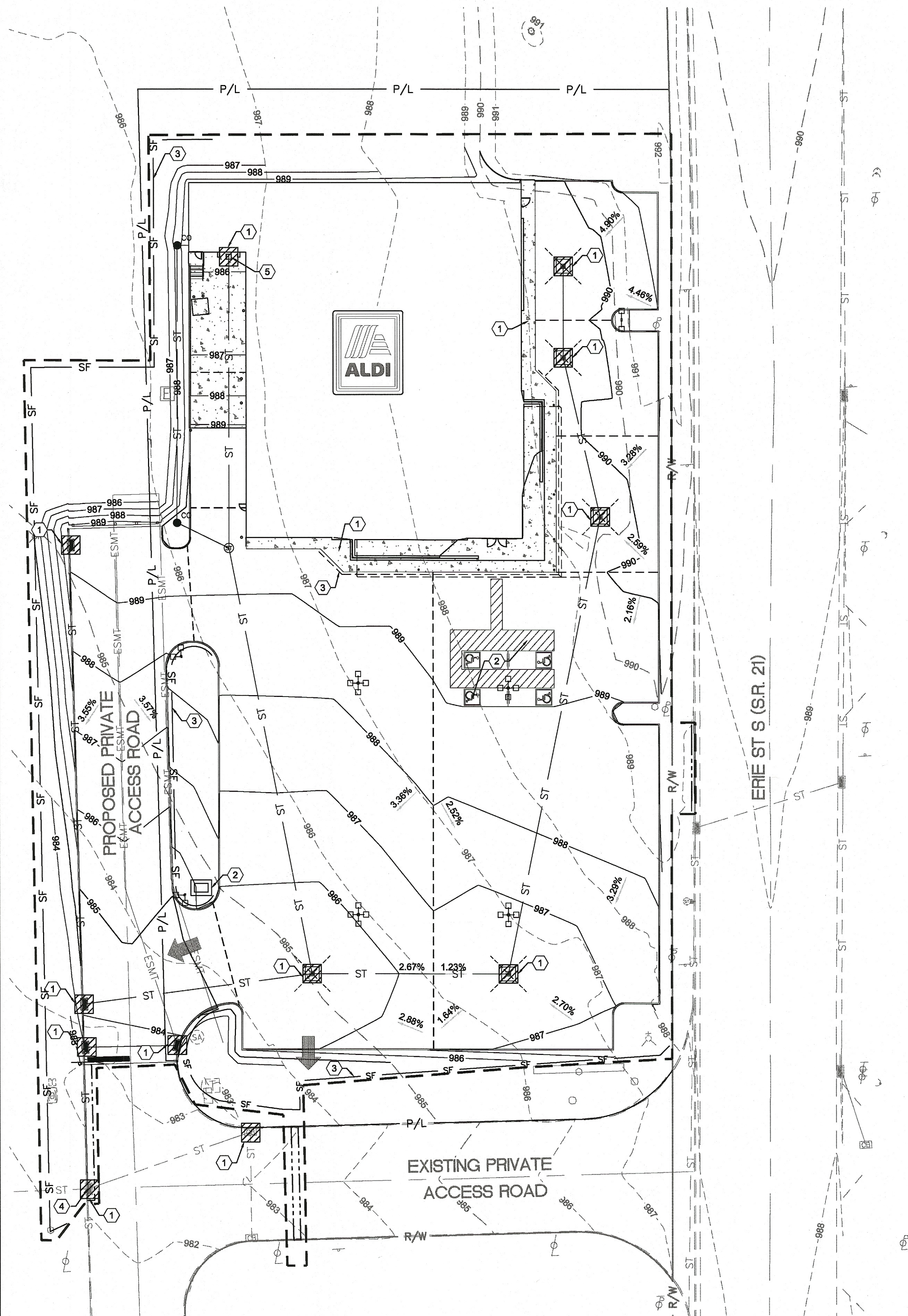
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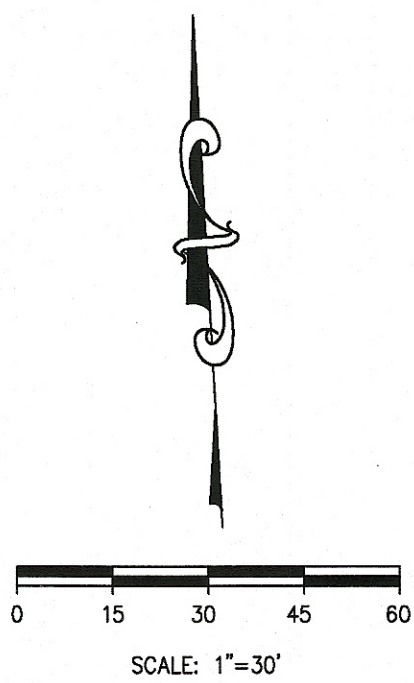
KEYED NOTES:

- ① INLET PROTECTION, SEE DETAIL ON SHEET C-114.
- ② CONCRETE WASHOUT, SEE DETAIL ON SHEET C-114. A MANUFACTURED OUTPAK CONCRETE WASHOUT BIN OR OTHER APPROVED EQUAL MAY BE UTILIZED TO LIMIT DISTURBANCE OF SURROUNDING AREAS.
- ③ SILT FENCE, SEE DETAIL ON SHEET C-114. SILT FENCE AT TOE OF SLOPE SHALL BE REINFORCED TO PREVENT FAILURE.

LEGEND

FEATURE	DESCRIPTION
	INLET PROTECTION
	SILT FENCE
	LIMITS OF DISTURBANCE
	CONCRETE WASHOUT AREA
	MAJOR FLOOD ROUTING
	TRUCK WELL INLET
	CATCH BASIN
	STORM MANHOLE

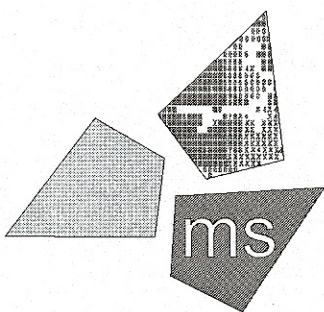
NOTE:
THE CONTRACTOR SHALL PREVENT AND/OR REDUCE AND CONTROL SOIL EROSION RESULTING FROM THE PROPOSED IMPROVEMENTS. THE USE OF SILT FENCING, JUTE MATTING, TEMPORARY SEEDING, SILT CHECKS, INLET PROTECTION AROUND ALL CATCH BASINS, STABILIZED CONSTRUCTION ENTRANCE(S), ETC. WILL BE REQUIRED. SEDIMENT CONTROL STRUCTURES/DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL RAINWATER AND LAND DEVELOPMENT - OHIO'S STANDARDS FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION. SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUED INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS SET FORTH ON THE APPROVED STORM WATER POLLUTION PREVENTION PLAN IF APPLICABLE, OR AS DETAILED ON THE CONSTRUCTION PLANS, AS SPECIFIED BY THE CITY OF MASSILLON.



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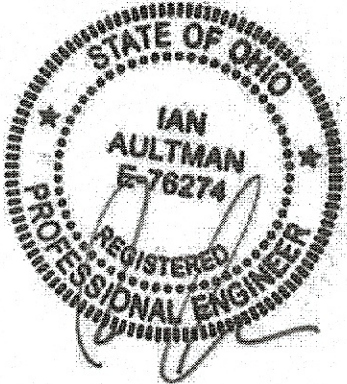


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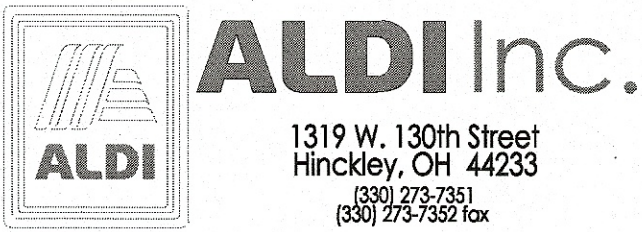
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Prototype Rls. 07/27/18	40192-93
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Scale: As Noted	Drawing No.

TEMPORARY SEEDINGS ESTABLISH TEMPORARY COVER ON DISTURBED AREAS BY PLANTING APPROPRIATE RAPIDLY GROWING ANNUAL GRASSES OR SMALL GRAINS. TEMPORARY SEEDING PROVIDES EROSION CONTROL ON AREAS IN BETWEEN CONSTRUCTION OPERATIONS. GRASSES, WHICH ARE QUICK GROWING, ARE SEEDED AND USUALLY MULCHED TO PROVIDE PROMPT, TEMPORARY SOIL STABILIZATION. IT EFFECTIVELY MINIMIZES THE AREA OF A CONSTRUCTION SITE PRONE TO EROSION AND SHOULD BE USED EVERYWHERE THE SEQUENCE OF CONSTRUCTION OPERATIONS ALLOWS VEGETATION TO BE ESTABLISHED.

TEMPORARY SEEDING SPECIES SELECTION			
SEEDING DATES	SPECIES	LB/1000 SF	LB/ACREA
MAR 1 TO AUG 15	OATS	3	128-4 BUSHEL
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	PERENNIAL RYGRASS	1	40
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	ANNUAL RYEGRASS	1.25	55
	PERENNIAL RYEGRASS	3.25	142
	CREEPING RED FESCUE	0.40	17
	KENTUCKY BLUEGRASS	0.40	17
	OATS	3	128-3 BUSHEL
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
AUG 16 TO NOV	RYE	3	112-3 BUSHEL
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	WHEAT	3	120-2 BUSHEL
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	PERENNIAL RYE	1	40
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	ANNUAL RYEGRASS	1.25	40
	PERENNIAL RYEGRASS	3.25	40
NOV 1 TO FEB 29	CREEPING RED FESCUE	0.40	40
	KENTUCKY BLUEGRASS	0.40	
NOV 1 TO FEB 29		USE MULCH ONLY OR DORMANT SEEDING	

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS 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 REWORKED FOR 14 DAYS OR GREATER. THESE IDLE AREAS SHALL BE SEEDDED WITHIN 7 DAYS AFTER GRADING.
3. SEED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.
4. SOIL AMENDMENTS TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
5. SEEDING METHOD SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY ROLLING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. 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 ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.
2. MATERIALS:
 1. STRAW IF STRAW IS USED, IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE (90 LB / 1,000 SQ. FT.) (2-3 BALES)
 2. HYDROSEEDERS IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LBS / AC. OR 46 LB / 1,000-SQ.-FT.
 3. OTHER OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TON / AC.
3. STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:
 1. 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 CHOPPED BUT LEFT TO A LENGTH OF APPROXIMATELY 6 INCHES.
 2. MULCH NETTING NETTING 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.
- 3.4. SYNTHETIC BINDERS SYNTHETIC BINDERS SUCH AS ACRYLIC DIL (AGRI-TAC), DCA-70, PETROSEED, TERRA TRAK OR EQUIVALENT MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
- 3.4. WOOD CELLULOSE FIBER WOOD CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WT. 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.

PERENNIAL VEGETATION IS ESTABLISHED ON AREAS THAT WILL NOT BE RE-DISTURBED FOR PERIODS LONGER THAN 12 MONTHS. PERMANENT SEEDING INCLUDES SITE PREPARATION, SEEDBED PREPARATION, PLANTING SEED, MULCHING, IRRIGATION AND MAINTENANCE.

SITE PREPARATION:

1. SUBSOILER, PLOW, OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW IT TO CRUMBLE AND FRACTURE. SUBSOILING SHALL NOT BE DONE ON SLP PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.
2. THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
3. TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

2. TEST THE SOIL CONDITIONS FOR FEEDING BEFORE STARTING SEEDING AND MULCHING.
3. LIME AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1,000-SQ. YD. (2 TONS PER ACRE).
4. FERTILIZER FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. CONTRACTOR SHALL PERFORM LAB TESTING ON SOIL AND PROVIDE A CERTIFIED FERTILIZER RATIO FOR THE SITE SOILS AND SPECIFIED SEED MIX.
5. THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL, WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FILL IMPLEMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR.

SEEDING DATES AND SOIL CONDITIONS:
SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THE ABOVE SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.

1. SEEDINGS SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20 DURING THIS PERIOD, THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE WINTER.
2. THE FOLLOWING METHODS MAY BE USED FOR DORMANT SEEDING :
 1. FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN FERTILIZE THE ANCHOR, AFTER NOVEMBER 20, AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
 2. FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED AND FERTILIZE. APPLY THE SEED BED SEED MIXTURE, MULCH AND ANCHOR. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
 3. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIKAPACER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED.
 4. WHERE FEASIBLE, EXCEPT WHEN A CULTIKAPACER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE PREPARED FOLLOWING SEEDING. FOLLOWING SEEDING, WITH A CULLER, OR ROLLER, OR DRAG ON A SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE FEASIBLE.

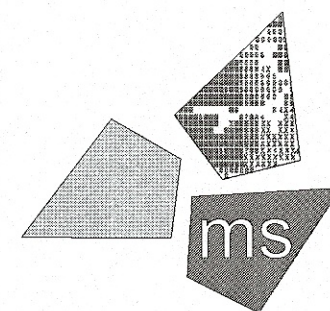
1. MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. DORMANT SEEDING SHALL BE MULCHED. 100% OF THE GROUND SURFACE SHALL BE COVERED WITH AN APPROVED MATERIAL.
2. MATERIALS:
 - 2.1. STRAW IF STRAW IS USED IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF TONS PER ACRE OR 90 POUNDS (TWO TO THREE BALES) PER 1,000 SQ. FT. THE MULCH SHALL BE SPREAD UNIFORM BY HAND OR MECHANICALLY APPLIED SO THE SOIL SURFACE IS COVERED FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH. DIVIDE AREA INTO APPROXIMATELY 1,000-SQ.-FT. SECTIONS AND SPREAD TWO 45-LB. BALES OF STRAW IN EACH SECTION.
 - 2.2. HYDROSEEDERS IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE APPLIED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.
 - 2.3. OTHER OTHER ACCEPTABLE MULCHES INCLUDE ROLLED EROSION CONTROL MATTINGS OR BLANKETS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS PER ACRE.
3. STRAW AND MULCH ANCHORING METHODS- STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER:
 - 3.1. 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 CHOPPED BUT, GENERALLY, BE SET LONGER THAN 6 INCHES.
 - 3.2. NETTING MULCHING SHALL BE DONE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.
4. ASPHALT EMULSION ASPHALT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURE OR AT THE RATE OF 160 GALLONS PER ACRE.
5. SYNTHETIC BINDERS SYNTHETIC BINDERS SUCH AS ACRYLIC LAC (AGRI-TAC), DCA-70, PETROSET, OR TACK COAT OR EQUIVALENT MAY BE USED AT RATES SPECIFIED BY THE MANUFACTURER.
6. WOOD CELLULOSE FIBER WOOD CELLULOSE FIBER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER WITH THE MIXTURE CONTAINING A MAXIMUM OF 50 POUNDS CELLULOSE PER 100 GALLONS OF WATER.

PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH. IRRIGATION RATES SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDING AREAS FROM EXCESSIVE RUNOFF. CONTRACTOR SHALL MAINTAIN PERMANENT SEEDING FOR UP TO ONE YEAR FROM SUBSTANTIAL COMPLETION TO FIX, REPAIR, WATER, FERTILIZE AND/OR RESEED GRASSED AREAS.

SEED MIX	SEEDING RATE		NOTES
	LBS/ACRE	LBS/1,000 SF	
GENERAL USE			
CREEPING RED FESCUE	20-40	½-1	FOR CLOSE MOWING AND FOR WATERWAYS WITH <2.0 FT/SEC VELOCITY
DOMESTIC RYEGRASS	10-20	¼-½	
KENTUCKY BLUEGRASS	20-40	½-1	
TALL FESCUE	40-50	1-1½	
TURF-TYPE (DWARF) FESCUE	90	2¼	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40-50	1-1½	
CROWN VETCH	10-20	¼-½	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20-30	½-¾	
FLAT PEA	20-25	½-¾	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20-30	½-¾	
ROAD DITCHES AND SWALES			
TALL FESCUE	40-50	1-1½	
TURF-TYPE (DWARF) FESCUE	90	2¼	
KENTUCKY BLUE GRASS	5	⅓	
LAWNS			
KENTUCKY BLUEGRASS	100-120	2	
PERENNIAL RYEGRASS		2	
KENTUCKY BLUEGRASS	100-120	2	FOR SHADED AREAS
CREEPING RED FESCUE		1-½	

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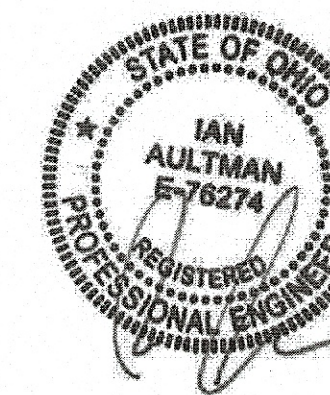


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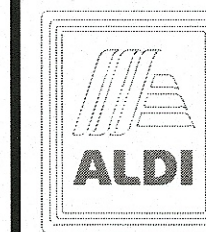
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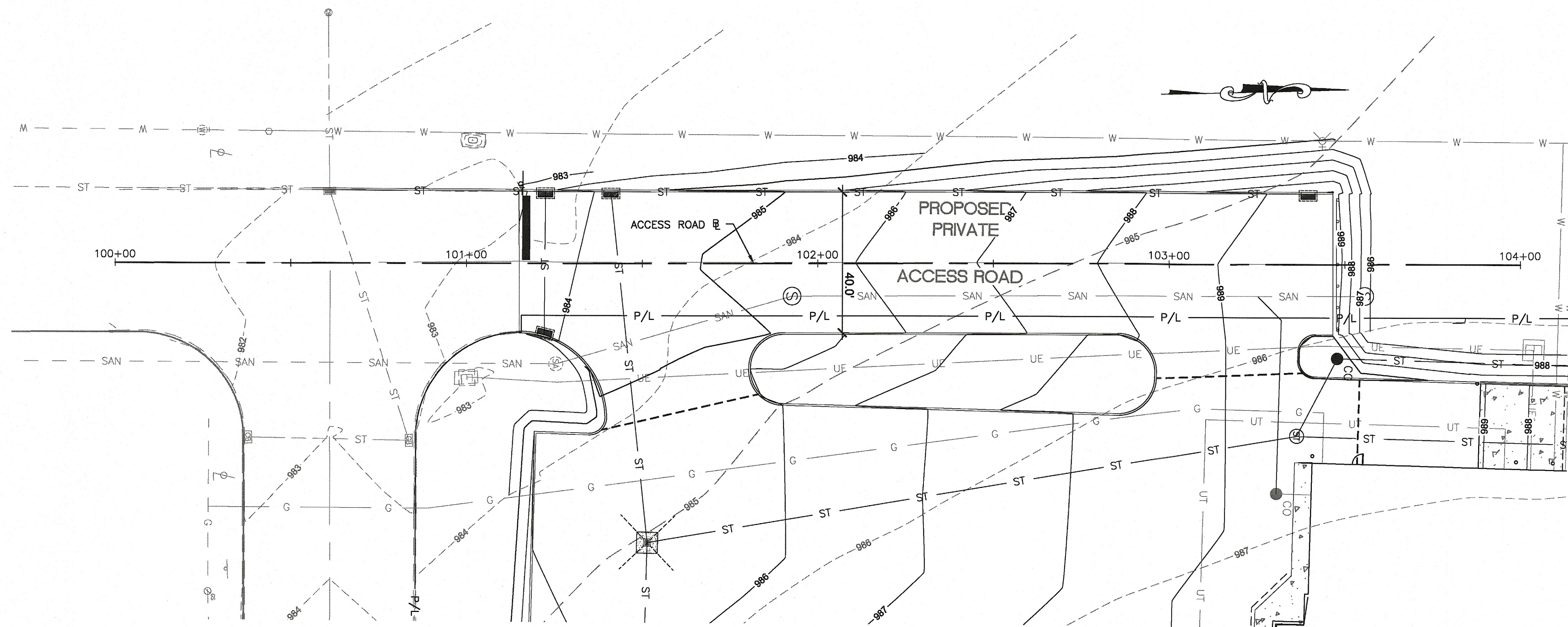


ALDI Inc.
1319 W. 130th Street
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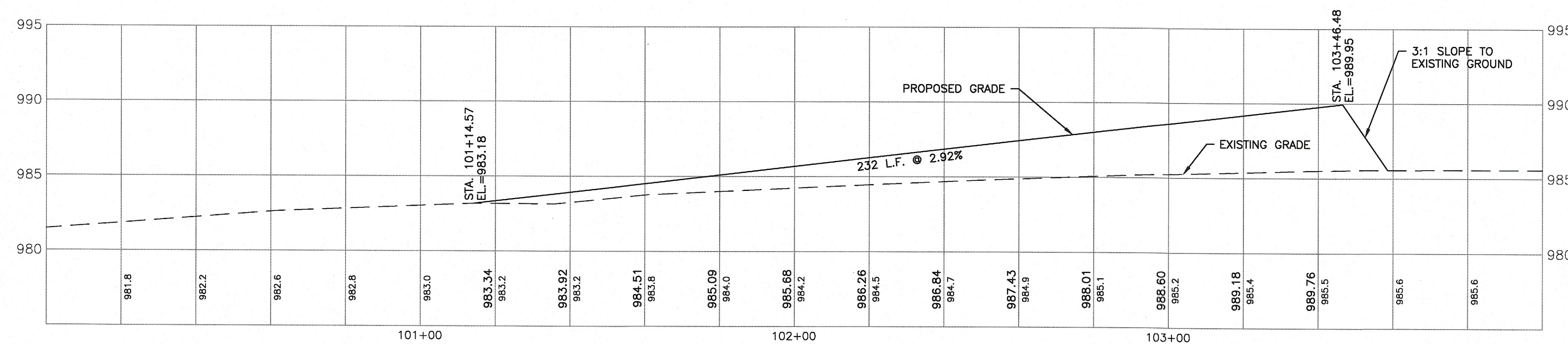
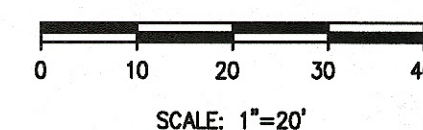
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Type:LHRD-V7ER

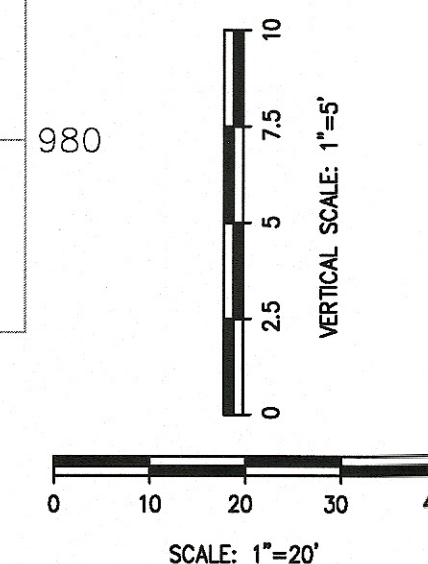
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A ACCESS ROAD PLAN
C116

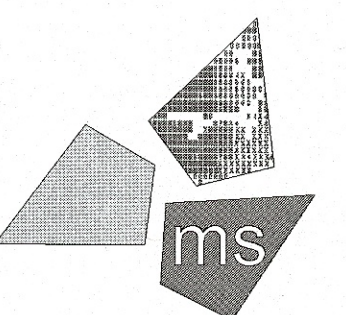


B ACCESS ROAD PROFILE
C116



Issued:	Date:
Client Review Set	08/31/18
Permit Set	09/26/18
Engineering Comments	12/06/18
Revisions:	Date:

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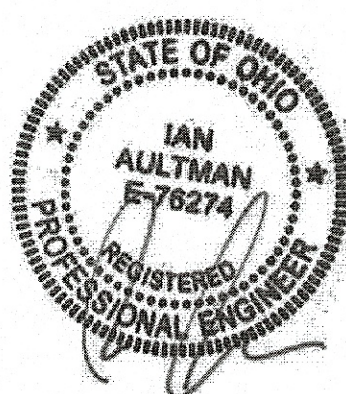


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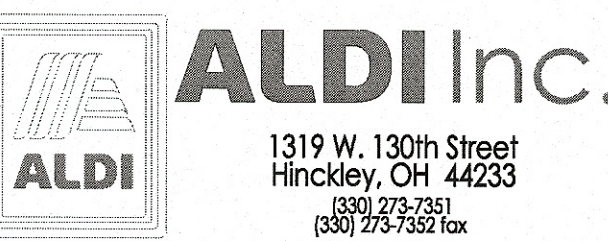
DRAWN BY:
KEA

REVIEWED BY:
IA

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IAN AULTMAN No. E-76274
EXP. DATE: 12/31/19



ALDI Inc. Store #: 76
Massillon, OH
Erie Street South
Massillon, Ohio 44646
Stark County
Project Name & Location:

**Access Road -
Plan and Profile**
Drawing Name:

Prototype Rls. 07/27/18
Project No. 40192-93

Type: LHRD-V7ER

C-116

Scale: As Noted Drawing No.

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Lum. Lumens	Lum. Watts	Description
■	9	L22	SINGLE	1.000	4210	31	CPY250-B-DM-F-C-UL-CS-30K
⊕	4	L34	4 @ 90°	1.000	11648	86	OSQ-A-NM-4ME-B-57K-UL-CS w/OSQ-DACS
○	5	L24	SINGLE	1.000	2029	58.9	CL-20364LEDD-SAT-CLR-SB
⊕	2	L32-90	2 @ 90	1.000	11648	86	OSQ-A-NM-4ME-B-57K-UL-CS w/OSQ-DACS
⊕	1	L32-180	BACK-BACK	1.030	11648	86	OSQ-A-NM-4ME-B-57K-UL-CS w/OSQ-DACS
➡	4	L21	SINGLE	1.000	4270	31	XSPW-B-WM-3ME-4L-30K-UL-CS-P

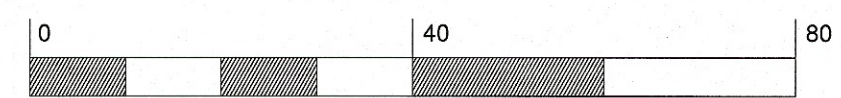
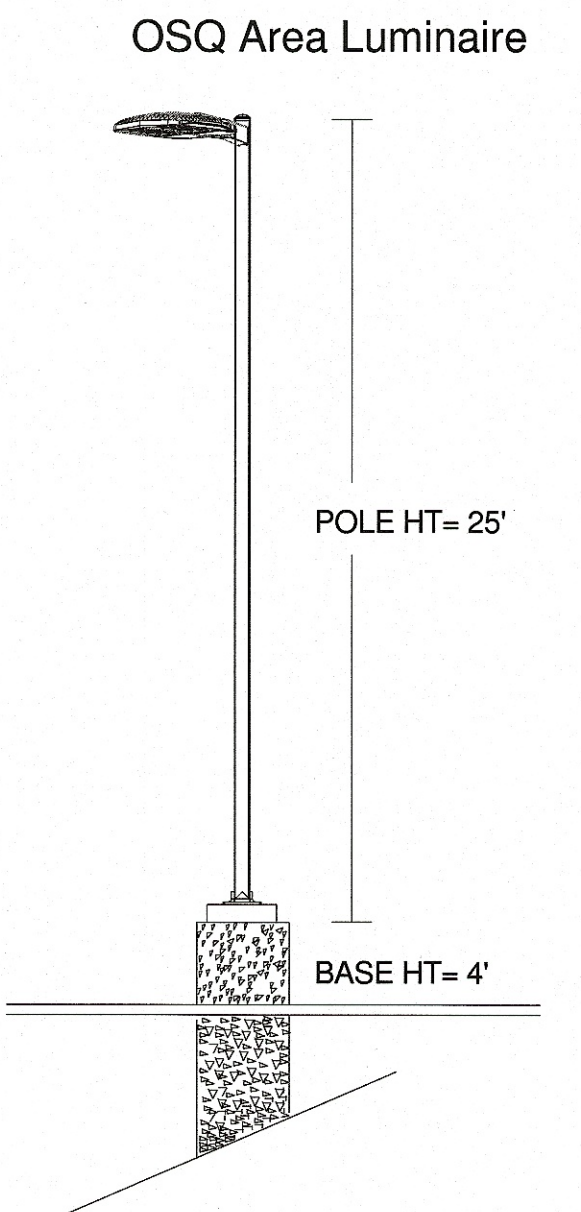
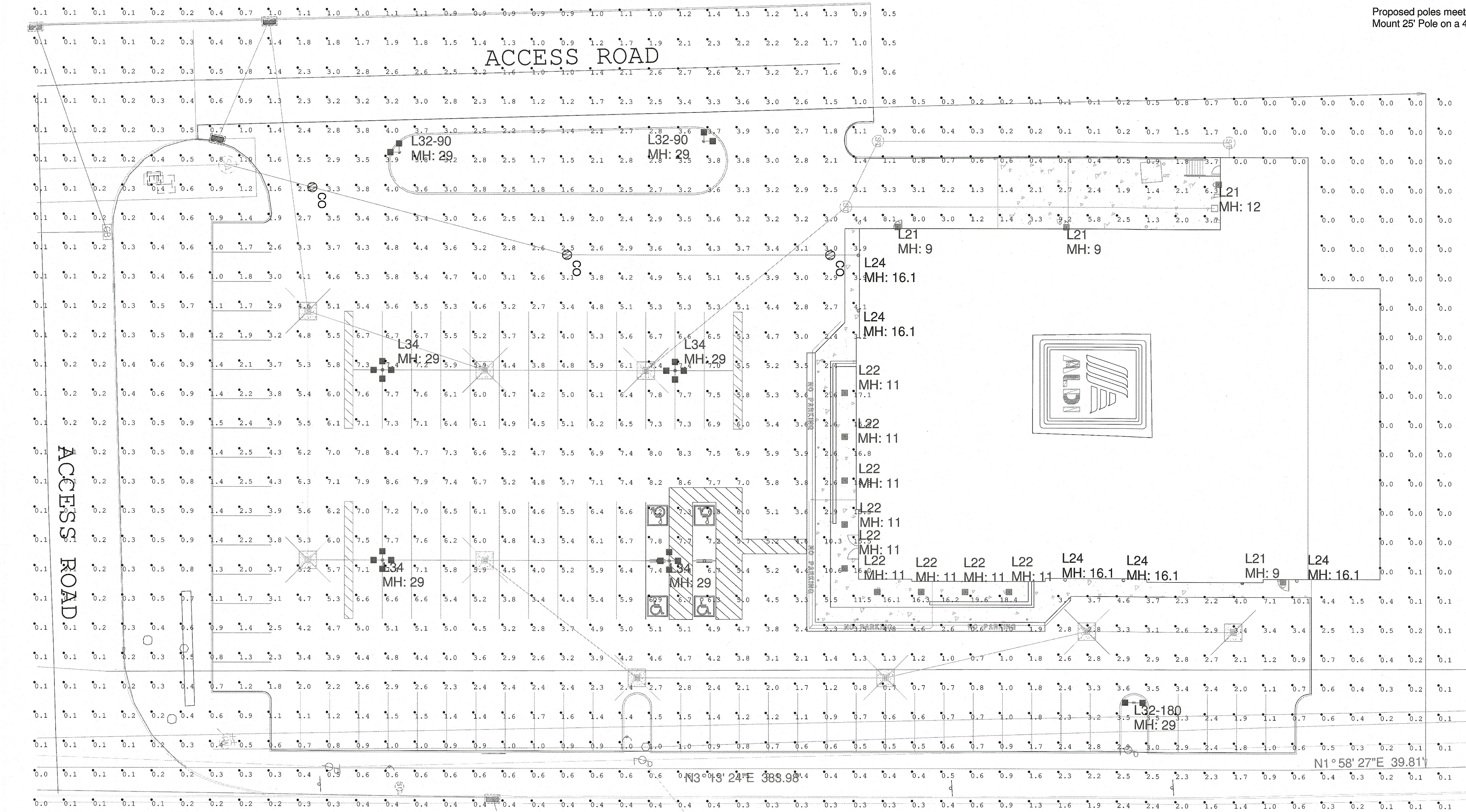
Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
All Calc Points	Fc	2.50	19.6	0.0	N.A.	N.A.
Paved Parking	Fc	3.83	9.2	0.5	7.66	18.40

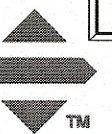
NATIONAL ACCOUNT PRICING, PLEASE CALL MIKE KREINER AT CREE LIGHTING:
224-250-1561 OR MIKE.KREINER@CREE.COM

Additional Required Equipment:
(22) OSQ-DACS Direct Arm Mount

Poles:
(4) CL-SSP-4011-25-D6-PS (25' x 4" x 11ga STEEL SQUARE POLE, 4@90)
(2) CL-SSP-4011-25-D3-PS (25' x 4" x 11ga STEEL SQUARE POLE, 2@90)
(1) CL-SSP-4011-25-D2-PS (25' x 4" x 11ga STEEL SQUARE POLE, 2@180)

Proposed poles meet 120 MPH sustained winds.
Mount 25' Pole on a 4' Concrete Base to Achieve MH=29'.



CREE 

Customer responsible to verify ordering information/
catalogue number prior to placing order.

1200 92nd Street - Sturtevant, WI 53177
www.cree.com - (800) 236-6800

Project Name: Aldi #76 - 3725 Erie Street South Massillon, Ohio SR-32735
Date: 9/18/2018 Scale: 1"=20' Footcandles calculated at grade
Filename: ALD-180918MAHCJW.AGI Layout by: Collin Witherow

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

DRAWN BY: MDK	CHECKED BY: CSS	CREW CHIEF: MKD	PROJECT No.	SHEET
SCALE: 1" = 30'	DATE: 08/17/2018	62-40192-93		1/1