PROPOSED DEVELOPMENT FOR: STARBUCKS & PANDA EXPRESS

MASSILLON, OHIO

EXCEL LEGEND

● 000.00 EG EXISTING GRADE SPOT ELEVATIONS

PROPOSED WATER VALVE IN BOX PROPOSED STORM CATCH BASIN - ST CB

PROPOSED STORM FIELD INLET - ST FI

PROPOSED DRAINAGE FLOW PROPOSED APRON END SECTION

PROPOSED INLET PROTECTION PROPOSED WELL

PROPOSED LIGHT POLE

PROPOSED SIGN CENTER LINE

PROPOSED PROPERTY LINE PROPOSED STORM SEWER AND MANHOLE - ST MH

PROPOSED SANITARY SEWER AND MANHOLE - SAN MH

PROPOSED CURB AND GUTTER

GRADING/SEEDING LIMITS

RIGHT-OF-WAY LINE INTERIOR PROPERTY LINE RAILROAD TRACKS

CIVIL SHEET INDEX

SHEET	SHEET TITLE
CO.1	CIVIL COVER AND SPECIFICATION SHEET
C1.0	EGISTING SITE AND DEMOLITION PLAN
C1.1	SITE PLAN
CI.2A	GRADING AND BROSION CONTROL PLAN
C1.28	GRADING AND EROSION CONTROL PLAN - CROSS SECTION VIEWS
C1.3A	UTILITY PLAN
C1.3B	UTILITY PLAN - STORM SEWER PLAN/PROFILE
C1.4	LANDSCAPE AND RESTORATION PLAN
C370	DETAILS
C2.1	DETAILS
C2.2	PANDA EXPRESS SITE NOTES & DETAILS
C2.3	EROSION CONTROL DETAILS
C2.4	EROSION CONTROL DETAILS
C2.5	CITY OF MASSILLON DETAILS
C2.6	CITY OF MASSILLON DETAILS
C3.1	SITE PHOTOMETRIC PLAN & DETAILS

CONTACTS

CIVIL ENGINEER EXCEL ENGINEERING
100 CAMELOT DRIVE
FOND DU LAC, WISCONSIN 54935
CONTACT: JASON DAYE, PE
P: (920) 926-9800
F: (920) 926-9801



31 10 00 SITE CLEARING (DEMOLITION)

- A CONTRACTOR SHALL CALL OHIO ONE CALL AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSIRE THAT ALL UTILITIES HAVE BEEN LOCATIO BETORE STARTING STRE DEMOLITION. DISSION INCINIERS SHALL BY NOTIFIED OF ANY BOSE REPORTED SETTINGEN PLAN AND FIELD CONTRACTOR SHALL DESIRE SETTINGEN PLAN AND FIELD CONTRACTOR SHALL REMOVE REPORT OF REPORT OF THE CONTRACTOR OF HILL DESIRE SETTINGEN PLAN AND FIELD OF BEDONE. CONTRACTOR SHALL REMOVE REPARCE OR REMOUSH ALL TIMES AS NEEDED DURING CONSTRUCTION.

 CONTRACTOR FOR POSTCE SISTING MORPOWEMENTS HAT AS SCHEDULED ITS REMAINA ANY DAMAGE TO EXSTING FACILITIES SHALL BE REPLACED AT CONTRACTORS EXPRESSED.

- HED STONE, WITH 3'S TO 12'S PIESE, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBSEQUE. COMPACT THE MERGE AND DRAWING COURSE TO NOT LESS THAN 95 PERCENT. IT RIFERED SUBJECTION TO WORK THAN 95 PERCENT. SUBJECTION TO WORK THAN 95 PERCENT PLANS SUBJECT TO THE SLAB SUBFACT. FURL A DRAWING COURSE LAYER OF CLEAN SUBJECTION SUBJECT SUBJECT TO NOT LESS THAN 95 PERCENT. SER REPRINCE COLOREST AND SUPPLAT SUBJECTIONS TO COMPACT THE SUBSEQUE AND EACH LAYER OF BACKEL OR FILL MATERIAL TO NOT

31 30 00 EROSION CONTROL/STORMWATER MANAGEMENT & POLLUTION PREVENTION

PLAN SPECIFICATIONS (BASED ON CSI FORMAT)

DIVISION 32 EXTERIOR IMPROVEMENTS

32 10 00 AGGREGATE BASE & ASPHALT PAVEMENT

- ON CONTRACTOR TO PROVIDE CRUSSED AGGREGATE BASS AND CONCRETE WHERE INDICATED ON THE PLANS.

 ILL AGGREGATE PROMISED MUST COMENY WITH ODD! CONSTRUCTION AND MAISTRAL SECURICATIONS (SUBSENIT EDITION), ALL AGGREGATE FLACED MUST RECOMMENT TO DO AN INVESTED SEGRIFY PERFORM CONSTRUCTION AND MAISTRAL SECURICATION SEQUESTIFY EDITION).

 INSIGN AND CONSTRUCTION OF ALL CAST-SAWAGE STREAMS CONCRETE FLAT WORK SHALL COMPOSET DO ALL SHOWS AND ALL SAWAGE STREAMS CONCRETE FLAT WORK SHALL COMPOSET DO ALL SHOWS AND ALL SAWAGE STREAMS CONCRETE FLAT WORK CONCRETE THAT WORK CONCRETE CHIEF AT SAWAGE STREAMS OF THE CONCRETE THAT WORK CONCRETE CHIEF OF SAWAGE STREAMS CONCRETE THAT WORK CONCRETE CHIEF OF SAWAGE STREAMS CONCRETE THAT WORK CONCRETE CHIEF OF SAWAGE STREAMS CONCRETE THAT WORK CONTROLLED HIS SAT GUILD.

 SERVING CONCRETE THAT WORK CONTROLLED HIS SAT GUILD.

 SERVING CONCRETE THAT WORK CONTROLLED HIS SAWAGE STREAMS CONTROLLED HIS SAWAGE SAWAGE STREAMS.

 SERVING CONCRETE THAT WORK CONTROLLED HIS SAY GUILD.

 SERVING CONTROLLED HIS SAWAGE SAWAGE STREAMS CONTROLLED HIS SAWAGE SAW
- DEEP TOCALED KINNT WHERE INDICATED ON THE PLANS.

 HEAVY DUTY/BURN'S PRINCIPACITY AND CONCRETE (FILECT TRAFFY) 6" OF CONCRETE CIVER 6" OF 3.4" CRUSHED AGGREGATE. CONCRETE
 SHALL BE REPRINCIPED WITH #3 ERRANG ON CHANGE AT 7 OF REPAIRS SHALL BE VALCED IN THE UPPER 1/3 TO 3" OF THE SLAB.

 CONTINENT ON LOSS SHALL BE SENIOR! TO 3" DEPITH AND BE SENIOR DE ANAMANIM OF 5" ON CONTRE.

 LIGHT DUTY (CONCRETE PASSESSINGE CAN TRAFFIG. 5" OF CONCRETE OVER 4" OF 4" CRUSHED AGGREGATE. CONTRACTION JOINTS SHALL BE
 SANCUT 15" IN DEPITH AND BE SPACED. ANAMANIM OF 12" ON CONTRE.
- 1). TIE BARS AT OUTERMOST CONTRACTION JOINT (FIRST JOINT FROM EDGE OR AT CURB JOINT) AROUND PERIMETER OF CONCRETE. TIE BARS SHALL BE #4 REBAR 24" LONG PLACED AT 30" O.C.
- DESIGN MIXES SHALL BE IN ACCORDANCE WITH ASTM C94

- OF TOCKS INCREMENTS INC. CALCIUM CHACHEST HALL NOT BE USED.

 AT TOCKS INCREMENTS INC. CALCIUM CHACHEST HALL NOT BE USED.

 AT MADMAN AGGINETIS SEE PARK IN CERTISOR CONCRETE HALL BE 673 INCIDICS.

 VERIFY CUMPARY CONCRETE PAD 2015 WITH RESPECTIVE CONTRACTORS. PADS SHALL HAVE REBRINGH HID FIRERS AT A RATE OT 15 LIBOLUTY OF A STANDARD CONCRETE PADS SHALL BE 33 INCIDENT SHAD WITH THE CHAMMER UNLESS SPECIED CHARMONIC COORDINATE ACCORDINATE HAD REQUIRED HAD SHAD BE CONCRETE HAD SHAD BE SHAD BE

32 30 00 LANDSCAPING AND SITE STABILIZATION

Utility	Material	Pipe Code	Fitting Code	Joint Code
Water Lateral	C901/906 PE	AWWA C901/C906	ASTM D2609, ASTM D2683, ASTM D3261	Heat fusion: ASTM D2657
Fire Hydrant Lateral	C900 PVC	AWWA C900, ASTM D1785, ASTM D2241	AWWA C110, AWWA C153, ASTM D2464, ASTM D2466, ASTM D2467, ASTM D3311, ASTM F409, ASTM F1336, ASTM F1866	Joint: ASTM D3139 Integral Bell & Spigot Elastomeric Seal: ASTM F477
Sanitary Sewer	SDR 35 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Gasket: ASTM F477
Storm Sewer	HDPE	ASTM F2648	ASTM F2306 Saddle Gasket	Joint: ASTM F2648 Bell & Spigot Elastomeric Seal: ASTM F477
Storm Sewer	SDR 35 PVC	ASTM D1785, ASTM D2665, ASTM D3034_ASTM E891	ASTM F1336	Push On: ASTM D3212 for Tightness

PROJECT LOCATION MAP

STORMWATER MANAGER

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

rial	Pipe Code	Fitting Code	Joint Code
906 PE	AWWA C901/C906	ASTM D2609, ASTM D2683, ASTM D3261	Heat fusion: ASTM D2657
PVC	AWWA C900, ASTM D1785, ASTM D2241	AWWA C110, AWWA C153, ASTM D2464, ASTM D2466, ASTM D2467, ASTM D3311, ASTM F409, ASTM F1336, ASTM F1866	Joint: ASTM D3139 Integral Bell & Spigot Elastomeric Seal: ASTM F477
IS PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Gasket: ASTM F477
	ASTM F2648	ASTM F2306 Saddle Gasket	Joint: ASTM F2648 Bell & Spigot Elastomeric Seal: ASTM F477
IS PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Seal: ASTM F477

2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WORK IN ROW PERMITS.

APPROVED BY THE STARK COUNTY SOIL & WATER CONSERVATION

PRE-CONSTRUCTION ACTION CONTRACTOR TO CONTACT STARK SOIL & WATER CONSERVATION DISTRICT TO SCHEDULE A PRE-CONSTRUCTION MEETING AT (330) 451-7645 PRIOR TO ANY EARTH MOVING ACTIVITY. 2. CONTRACTOR TO CALL OUPS AT A MINIMUM OF 2 DAYS PRIOR TO CONSTRUCTION. 3. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF ALL UTILITIES WITHIN THE PROJECT AREA PRIOR TO CONSTRUCTION, NOTIFY ENGINEER OF DISCREPANCIES. 4. PLACE ALL TEMPORARY SILT FENCE AND INLET PROTECTION. 5. CONSTRUCT TRACKING STONE ENTRANCES AND ANY TEMPORARY CONSTRUCTION ROADWAYS AS NEEDED. 6. CONSTRUCT PERMANENT STORMWATER DETENTION SYSTEMS AND PERMANENT STORMWATER CONVEYANCE SYSTEMS INCLUDING THE UNDERGROUND DETENTION SYSTEM AND ASSOCIATED STORMWATER TREATMENT STRUCTURE AND OUTLET DEVICES. 7. CONSTRUCT ANY TEMPORARY STORMWATER CONVEYANCE SYSTEMS AS NEEDED. 8. STABILIZE ALL TEMPORARY AND PERMANENT EROSION CONTROL AND STORMWATER CONVEYANCE SYSTEMS BEFORE TOPSOIL CAN BE STRIPPED. 2. CONSTRUCTION ACTION STRIP AND RELOCATE TOPSOIL TO THE DESIGNATED TOPSOIL STOCKPILE. FINAL LOCATION BY OWNER/CONTRACTOR. PROVIDE PERIMETER SILT FENCE UNTIL STABILIZED. 3. BEGIN MASS EARTH WORK FOR THE BUILDING PAD AND PAVEMENT AREAS. 4. CONSTRUCT ANY REMAINING STORMWATER CONVEYANCE SYSTEMS, AND INSTALL ALL OTHER UTILITIES ON SITE. 5. DIG AND POUR ALL BUILDING FOOTINGS. 6. PLACE GRAVEL FOR ALL PROPOSED PAVEMENT AREAS. 7. TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS OUTSIDE THE BUILDING AND PROPOSED PAVEMENT AREAS. 8. CONSTRUCT BUILDING. 10. TOPSOIL, SEED, AND MULCH ALL OTHER DISTURBED AREAS. PLACE EROSION MATTING AS NEEDED 2. SEE THE POST CONSTRUCTION MAINTENANCE PLAN FOR PERMANENT STORMWATER MANAGEMENT SYSTEMS. **CONTRACTOR TO FOLLOW THE EROSION CONTROL SPECIFICATIONS FOR CONSTRUCTION EROSION CONTROL INSPECTION AND MAINTENANCE.**

CONSTRUCTION SEQUENCE

CIVIL COVER AND SPECIFICATION SHEET

Fond du Lac, WI 54935 920-926-9800

PROJECT INFORMATION

EXPRES FOR NDA

DEVELOPMENT ₹ 4 PROPOSE **RBUCKS** STA



PRELIMINARY DATES JAN 20 2023

2178020

JOB NUMBER

SPECIFICATION NOTE: SEE SHEET CO.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

EXISTING CONDITIONS NOTE:

EXISTING CONDITIONS SURVEY WAS PROVIDED TO EXCEL BY ALBAN SURVEYING CO. DATED 04/20/2022. APPLICABLE SURVEY NOTES & LEGEND ARE PROVIDED BELOW FOR REFERENCE.

SURVEY CONTACT:
JOHN ALBAN
ALBAN SURVEYING CO.
38052 EUCLID AVENUE, SUITE 200
WILLOUGHBY, OHIO 44094
216. 703. 7976 216-702-7875

DEMOLITION NOTE:

DEMOLITION PLAN IS AN OVERVIEW OF DEMOLITION TO TAKE PLACE ON SITE. CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL REMOVE, REPLACE, OR DEMOLISH ALL ITEMS AS NEEDED DURING

UTILITY NOTES:

The size and location, both horizontal and vertical of the underground utilities shown hereon, have been obtained by a search of available records. Verification by field observation has been conducted where practical. This survey is subject to change upon receipt of any additional obtainable underground utility information. Therefore, Alban Surveying Company can not guarantee the completeness nor accuracy thereof.

Before excavating in this area, call "OUPS" at 800-362-2764 for field locations of any underground utility facilities.

BASIS OF BEARING:

Bearings are based on Ohio State Plane North Zone (NAV88) by GPS observations.

NOTE: All pins set are 5/8" x 30" rebar with yellow cap marked "J. Alban 7651".

FLOOD ZONE INFORMATION:

The subject parcel is located in Flood Zone "X", 'areas determined to be outside of the 0.2% annual chance floodplain', as shown on FEMA #39151C0191F, with an effective date of September 14, 2018.

Symbol Legend

Catch Basin

₩ Water Valve Power Pole

Traffic Signal Pol

Storm Manhole

NORTH

Sanitary Manhole

EXCEL

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100 Camelot Drive Fond du Lac, WI 54935 920-926-9800 excelengineer.com

PROJECT INFORMATION

PANDA EXPRESS MASSILLON, OH 44646 **DEVELOPMENT FOR:**

∞ ... PROPOSED RBUCKS & STA

JAN. 17, 2023 JAN. 20, 2023 MAR. 24, 2023

JOB NUMBER 2178020

CIVIL EXISTING SITE AND DEMOLITION PLAN

Street
(A Public

60

SPECIFICATION NOTE: SEE SHEET CO.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

SITE INFORMATION:

EXISTING SITE PARCEL NUMBERS: 600764, 607402, 612594, 601670

PROPERTY AREA (TOTAL): 98.935 S.F. (2.27 ACRES) PROPOSED PANDA SITE = 52,720 S.F. (1.21 AC) PROPOSED STARBUCKS SITE = 46,215 S.F. (1.06 AC)

EXISTING ZONING: RM-1

PROPOSED ZONING: B-3 (REZONE COMPLETED)

PROPOSED USE: QUICK SERVE RESTAURANTS WITH DRIVE-THRU SERVICE

AREA OF SITE DISTURBANCE: 103,181 SF (2.37 AC)

SETBACKS: BUILDING: FRONT = 60' SIDE = 10' REAR = 20'

PAVEMENT: OFF-STREET PARKING PERMITTED IN REQUIRED YARDS

MAX. BLDG HEIGHT ALLOWED: 30'

STARBUCKS: 2230 SF = 15 SPACES REQUIRED PANDA EXPRESS: 2664 SF = 18 SPACES REQUIRED

PARKING PROVIDED:

STARBUCKS: 34 TOTAL SPACES PROVIDED; 2 HC STALLS PANDA EXPRESS: 36 TOTAL SPACES PROVIDED; 2 HC STALLS

<u>VELOPMENT)</u>	
AREA (SF)	
98,935	
0	
0	
0	
98,935	10
AREA (SF) 98.935	
98,935	
4,965	
58,287	:
63,252	-
35,683	
ΈN	

CURB & GUTTER MARKING KEY:

INVERTED CURB & GUTTER

SHEDDING CURB & GUTTER

- SITE PLAN NOTES:

 A KNOX BOX (MODEL 3200) SHALL BE PROVIDED AT THE PRIMARY ENTRANCE TO ALL NEW BUILDINGS AT A HEIGHT OF 4-6' FROM FINAL GRADE, COORDINATE ADDITIONAL
- REQUIREMENTS WITH LOCAL BUILDING INSPECTOR/FIRE DEPARTMENT AS NEEDED.

 GC TO COORDINATE WITH SITE SPECIFIC OWNER/TENANT PRIOR TO CONSTRUCTION TO REVIEW ANY ADDITIONAL SITE SPECIFIC REQUIREMENTS/SCOPES OF WORK AS NEEDED.

STANDARD ASPHALT

CONCRETE; SEE PLAN & CO.1 FOR DETAILS/SPECIFIED THICKNESS

(31)	DETECTABLE WARNING PLATE	
/>	TO 1 FE O F. O.W. 1 DO O.W.O. O.O.	,

DLOR TO MATCH PARKING STALL STRIPING

33 PAINT STRIPING (TYP). COLOR TO MATCH PARKING STALL STRIPING. REPLACE ASPHALT PAVEMENT PER CITY OF MASSILON/OH DOT STANDARDS AS NEEDED FOR PROPOSED SITE IMPROVEMENTS. SEE DETAIL ON C2.0. (TYP.)

34

35 CONCRETE SIDEWALK PER LOCAL STANDARDS. (TYP.)

CONCRETE SIDEWALK PER LOCAL STANDARDS. (TYP.)

VERSA-LOK OR FEDUVALENT MODILAR BLOCK RETAINING WALL

SYSTEM, COLOF, STYLE TO BE CORDINATED WITH OWNER/TENANT.

REFER. SHEET IS. OF CONCRETAINING WALL

SYSTEM, COLOF, SYSTLE TO BE CORDINATED WITH OWNER/TENANT.

REFERRAL, RETAINING WALL DETAIL. SO FOR DETAILS AS

SPECIFICATIONS BY WALL DETAIL. DESIGNER TO ACCOUNT

FOR SITE FEATURES SUCH AS LIGHT POLES, FENCES, UTLITIES, ETC

NEAR OR ADJACENT TO RETAINING WALL

6' TALL MINIMUM OPAQUE FENCE, FINAL COLOR, STYLE BY

OWNER/TENANT. CONTRACTOR TO CORDONIATE FENCING

REQUIREMENTS WITH RETAINING WALL SUPPLIER AS NEEDED.

DEDICATED MOBILE ORDER PICK-UP PARKING SPACE. COORDINAT WITH OWNER/TENANT FOR SPECIFIC SIGNAGE AND/OR PAVEMENT MARKINGS. (TYP.)

 $\begin{picture}(60,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$

40 CANOPY. (TYP.) (SEE ARCH PLANS)

CLEARANCE BAR. COORDINATE WITH OWNER/TENANT FOR SITE SPECIFIC DRIVE—THRU EQUIPMENT REQUIREMENTS. 41

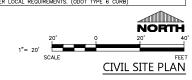
MENU BOARD & SPEAKER POST SYSTEM. COORDINATE WITH OWNER/TENANT FOR FINAL LOCATIONS, FOUNDATION DETAILS, CONDUIT REQUIREMENTS, ETC. 42 CONTRACTOR TO COORDINATE WITH OWNER/TENANT FOR FINAL PATIC LAYOUT. SEE SHEET C1.2 FOR PROPOSED PATIO GRADING/DRAINAGE.

44 6" DRIVE-THRU VERTICAL CURB. (TYP.)

45 6" CURB, SEE SHEET C1.2 FOR PROPOSED GRADES.

46 47 48

CONCRETE WALL, SEE ARCH/STRUCT PLANS, PROVIDE THRU-WALL DRAINAGE OPENINGS AS NEEDED TO DRAIN PATIO AREA. APPROXIMATE EXTENT OF UNDERGROUND DETENTION AREA. SEE SHEET C1.3.
CURB WITHIN ROW SHALL BE 6" WIDE X18" DEEP STRAIGHT CURB PER LOCAL REQUIREMENTS. (ODOT TYPE 6 CURB)





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PROJECT INFORMATION

EXPRES FOR:

HO PANDA MASSILLON, C DEVELOPMENT Ø ш **PROPOSED** LINCOLN WAY **RBUCKS**

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PRELIMINARY DATES DEC. 8, 2022 JAN. 10, 2023 JAN. 17, 2023 JAN. 20, 2023 MAR. 24, 2023

JOB NUMBER 2178020

SPECIFICATION NOTE: SEE SHEET CO.1 FOR PLAN

PRELIMINARY DATES DEC. 19, 2022 JAN. 10, 2023 JAN. 17, 2023 JAN. 20, 2023 MAR. 24, 2023

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PROJECT INFORMATION

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DEVELOPMENT FOR:

PROPOSED

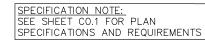
ROFESSIONAL SEAL

MASSILLON, OH 44646

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LINCOLN WAY **RBUCKS**

JOB NUMBER 2178020





PROJECT INFORMATION

PANDA EXPRESS MASSILLON, OH 44646

DEVELOPMENT FOR: Ø **PROPOSED**

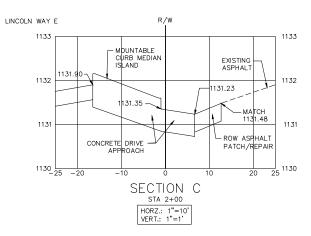
LINCOLN WAY **STARBUCKS**

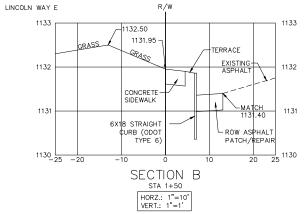
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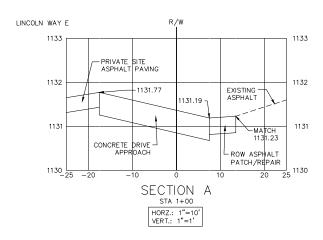
JOB NUMBER 2178020

NORTH

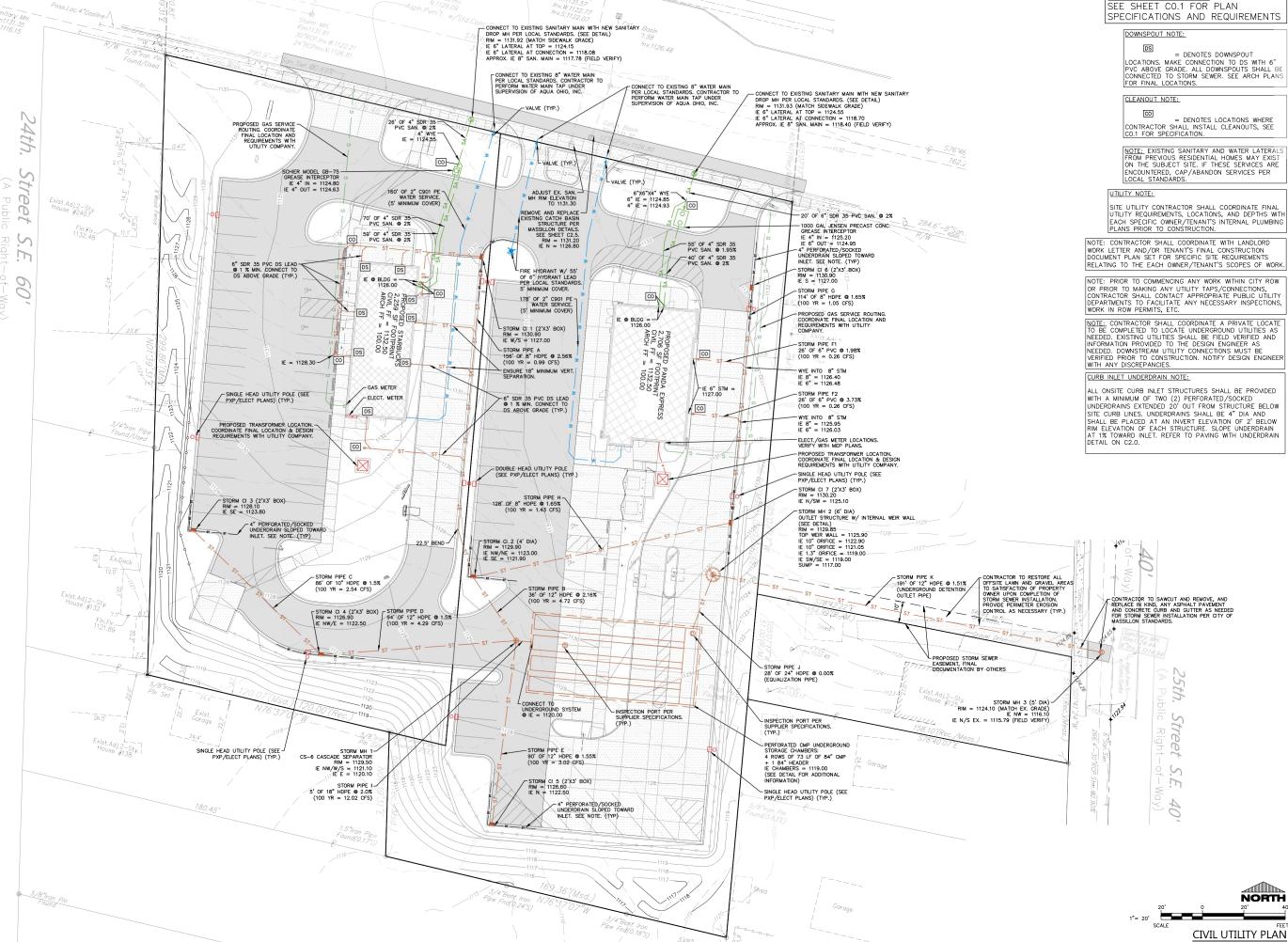








CIVIL GRADING AND EROSION CONTROL PLAN - CROSS SECTION VIEWS



SPECIFICATION NOTE: SEE SHEET CO.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

DENOTES DOWNSPOUT

LOCATIONS. MAKE CONNECTION TO DS WITH 6"

PVC ABOVE GRADE. ALL DOWNSPOUTS SHALL BE
CONNECTED TO STORM SEWER. SEE ARCH PLANS

ENCOUNTERED, CAP/ABANDON SERVICES PER

RELATING TO THE EACH OWNER/TENANT'S SCOPES OF WORK.

WITH A MINIMUM OF TWO (2) PERFORATED/SOCKED
UNDERDRAINS EXTENDED 20' OUT FROM STRUCTURE BELOW UNDERDMAINS EXTENDED 20 OUT FROM STRUCTURE BELOW STE CURB LINES. UNDERDRAINS SHALL BE 4" DIA AND SHALL BE PLACED AT AN INVERT ELEVATION OF 2" BELOW RIM ELEVATION OF EACH STRUCTURE. SLOPE UNDERDRAIN AT 1% TOWARD INLET. REFER TO PAVING WITH UNDERDRAIN DETAIL ON C2.0.

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PROJECT INFORMATION

EXPRES FOR

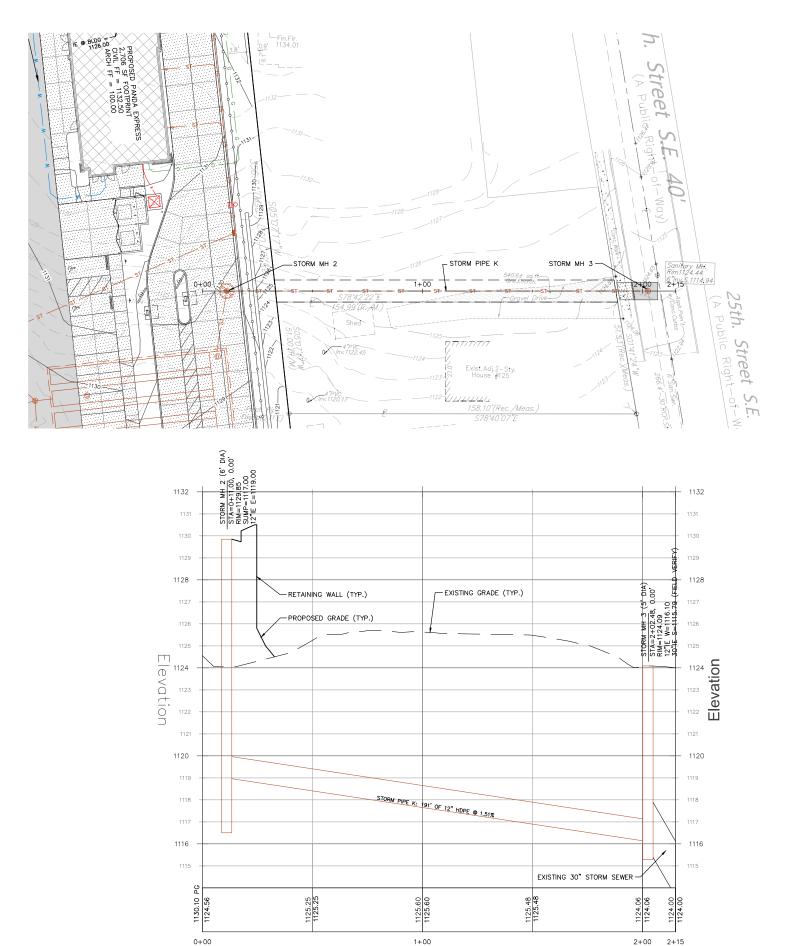
Н **EVELOPMENT** MASSILLON, ND 4 4 Ø ш **PROPOSED UCKS** WAY LINCOLN \Box ~

ROFESSIONAL SEAL

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PRELIMINARY DATES JAN. 10. 2023 JAN. 17, 2023 JAN. 20, 2023 MAR. 24, 2023

JOB NUMBER 2178020





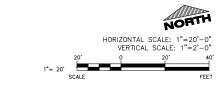
PROJECT INFORMATION

PROPOSED DEVELOPMENT FOR:

STARBUCKS & PANDA EXPRESS LINCOLN WAY E • MASSILLON, OH 44646

JAN. 10, 2023 JAN. 17, 2023 JAN. 20, 2023 MAR. 24, 2023

JOB NUMBER 2178020



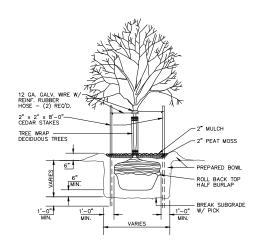
SPECIFICATION NOTE: SEE SHEET CO.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

EROSION MATTING LOCATION

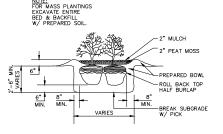
	LANDSCAPING	PLANTING SCHEDULE		
SYMBOL	COMMON NAME	BOTANICAL NAME	PLANTED SIZE	QUANTIT
	DECIDUOL	JS TREES		
0	Jack Flowering Pear	Pyrus calleryana 'Jaczam'	2" CAL	6
	DECIDUOU	S SHRUBS		
E	Gro-Low Fragrant Sumac	Rhus aromatica 'Gro-Low'	12"-24"	9
•	Knockout Rose Bush	Rosa 'Radtko'	12"-24"	15
0	Little Lime Hydrangea	Hydrangea paniculata 'Jane'	12"-24"	9
*	Show Off Sugar Baby	Forsythia 'Nimbus'	12"-24"	41
	EVERGREE	N SHRUBS		
€	Taunton Yew	Tauntonii	24"	51
	PEREN	INIALS		
*	Karl Foerster Feather Reedgrass	Calamagrotis x acutiflora 'Karl Foerster'	24"	26
	Landscaper to provide a variety of Grass	s species for diversity and disease resistar	nce	
*	Daylilies 'Stella de Oro'	Hemerocallis 'Stella de Oro'	1 gal pot	67
	Landscaper to provide a variety of Davli	ly species for diversity and disease resista	nce	

NOTE: LANDSCAPE CONTRACTOR SHALL REVIEW PROPOSED PLANTINGS WITH OWNER/TENANT PRIOR TO INSTALLATION. PROVIDE ALTERNATE PLANTINGS OR SUBSTITUTIONS AS DIRECTED BY THE OWNER/TENANT.

IRRIGATION NOTE: IRRIGATION SYSTEM SHALL BE PROVIDED ONSITE IN ACCORDANCE WITH OWNER/TENANT'S SPECIFIC IRRIGATION REQUIREMENTS. DESIGN-BUILD LANDSCAPE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND LAYOUT OF THE IRRIGATION SYSTEM.



TREE PLANTING DETAIL



SHRUB PLANTING DETAIL

NO SCALE





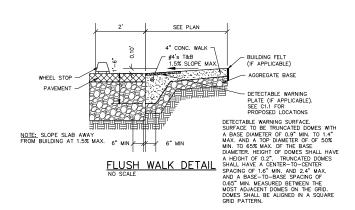
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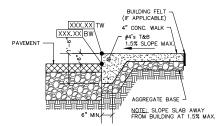
PROJECT INFORMATION

PANDA EXPRESS MASSILLON, OH 44646 PROPOSED DEVELOPMENT FOR: Ø LINCOLN WAY **STARBUCKS**

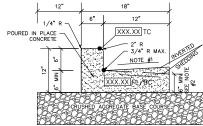
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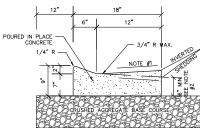


RAISED WALK DETAIL



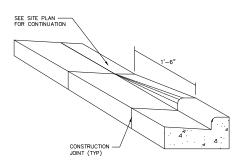
- USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
 THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A GAIN. GUTTER THICKNESS IS MAINTAINED.
 SEE SITE PLAN & GRADNING PLAN FOR INVERTED & SHEDDING CURB LOCATIONS

18" CONCRETE CURB & GUTTER DETAIL NO SCALE

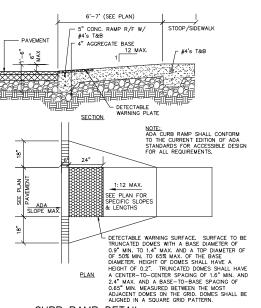


- 1. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
 2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6"MIN. GUTTER THICKNESS IS MAINTAINED.
 3. SEE SITE PLAN & GRADNING PLAN FOR INVERTED & SHEDDING CURB LOCATIONS

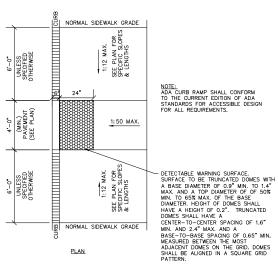
18" MOUNTABLE CURB & GUTTER DETAIL NO SCALE



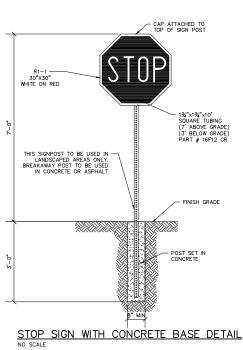
CURB TAPER DETAIL



CURB RAMP DETAIL

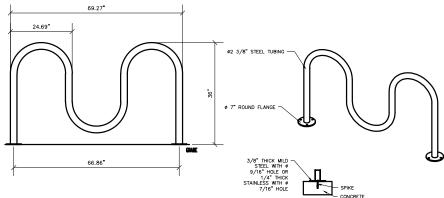


ADA SIDEWALK RAMP DETAIL



- GALVANIZED ROUND CAP PAINTED BLACK RESERVED PARKING THIS SPACE ADD VAN SIGN AT VAN ACCESSIBLE SPACES 2 3/8" DIA. STEEL PIPE-PAINTED BLACK

HANDICAP SIGNAGE WITH CONCRETE BASE DETAIL



- NOITES:

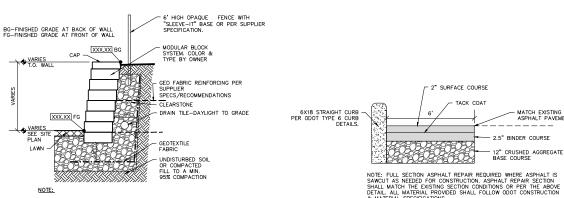
 1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

 2. OWNER SHALL SELECT COLOR & FINISH

 3. SEE SITE PLAN FOR APPOX. LOCATION. COORDINATE W/ OWNER PRIOR TO CONSTRUCTION.

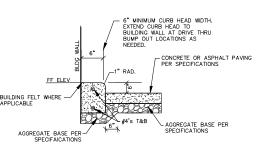
 4. MANUFACTURED BY MADRAX; PRODUCT: CS200-5-IG(SF); DESCRIPTION: CAPITAL SQUARE BIKE RAKE 5 BIKE

5 BIKE RACK DETAIL-WAVE TYPE

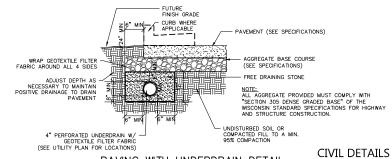


THIS DETAIL IS INFORMATIONAL ONLY AND IS NOT POR CONSTRUCTION PURPOSES. THE WALL MANUFACTURER/SUPPLIER IS RESPONSIBLE FOR FINAL DESIGNAD AND CONSTRUCTION DETAILS, WALL DESIGNER SHALL ACCOUNT FOR SITE IMPROVEMENTS OCCATED NARA-PADAGENT OWALL INCLUDION FOR LOCATIONS, CONTRACTOR TO COORDINATE PROVIDING STAMPED PLANS TO AHJ AS REQUIRED. ASPHALT PAVEMENT SECTION REPAIR DETAIL (LINCOLN WAY E)

RETAINING WALL DETAIL NO SCALE



DRIVE THRU VERTICAL CURB DETAIL NO SCALE



NO SCALE

NO SCALE

PAVING WITH UNDERDRAIN DETAIL

Fond du Lac, WI 54935 920-926-9800 excelengineer.com

PROJECT INFORMATION

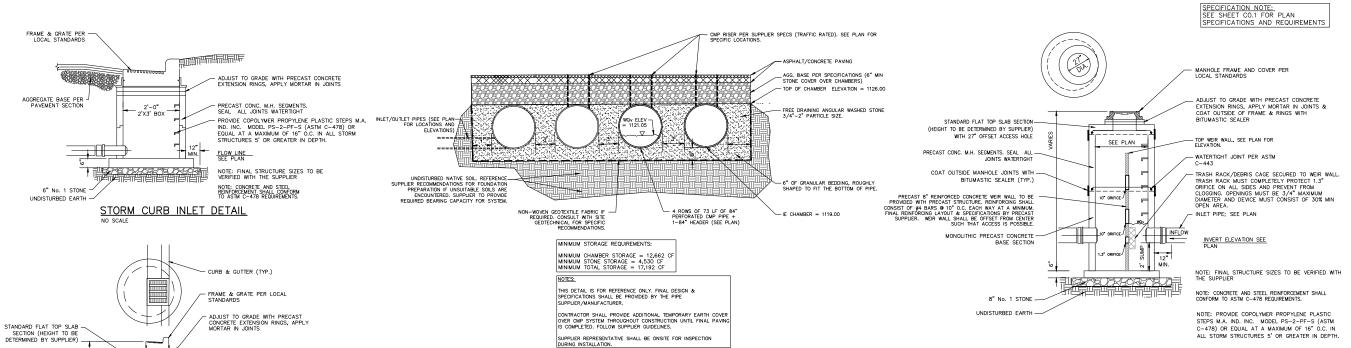
EXPRES FOR: MASSILLON, OH **EVELOPMENT** 4 4

Ø **PROPOSED** LINCOLN WAY **RBUCKS** STA

PROFESSIONAL SEAL

PRELIMINARY DATES JAN. 20, 2023 MAR. 24, 2023

JOB NUMBER 2178020 SHEET NUMBER



UNDERGROUND STORAGE CHAMBERS DETAIL



SEE PLAN

6" No. 1 STONE

LINDISTLIRBED FARTH -

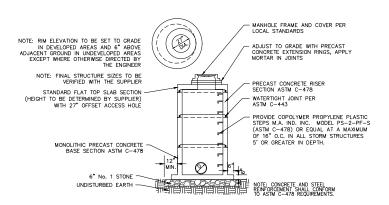
PROVIDE COPOLYMER PROPYLENE PLASTIC STEPS M.A. IND. INC. MODEL PS-2-PF-S (ASTM C-478) OR EQUAL AT A MAXIMUM OF 16" O.C. IN ALL STORM STRUCTURES 5' OR GREATER IN DEPTH.

PRECAST CONC. M.H. SEGMENTS SEAL ALL JOINTS WATERTIGHT

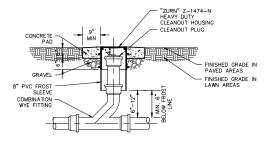
NOTE: FINAL STRUCTURE SIZES TO BE VERIFIED WITH THE SUPPLIER

WATERTIGHT JOINT PER ASTM C-443

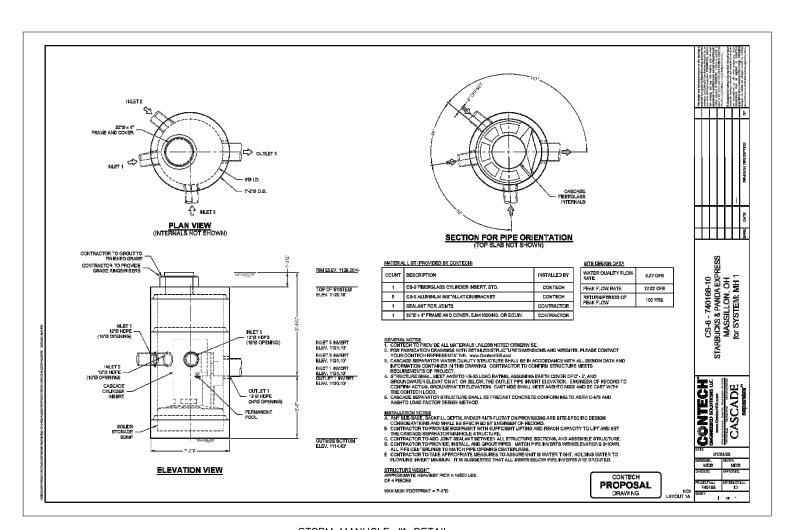
INVERT ELEVATION SEE PLAN



STORM MANHOLE DETAIL



CLEANOUT TO GRADE DETAIL



STORM MANHOLE #1 DETAIL

Fond du Lac, WI 54935 920-926-9800 excelengineer.com PROJECT INFORMATION **EXPRES** FOR **EVELOPMENT** N 4 4

Ø ш

PROPOSED

NOTE: REFER TO SHEET C1.3 FOR ORIFICE/WEIR ELEVATIONS.

STORM MANHOLE #2 (OUTLET STRUCTURE)

MASSILLON, OH

LINCOLN WAY

RBUCKS

EXCEL

Always a Better Plan

STA ROFESSIONAL SEAL

PRELIMINARY DATES JAN. 20. 2023 MAR. 24, 2023

JOB NUMBER 2178020

TYPICAL PANDA EXPRESS ACCESSIBLE AREA DETAIL (REFERENCE PLANS FOR SITE SPECIFIC INFORMATION)

PANDA EXPRESS IRRIGATION SPECIFICATIONS

- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED AND QUALIFIED
- INSPECTION. THE ENTIRE INFRUSTION STORED BE INFORMED OF THE ENTIRE INFORMATION OF THE REGISTION CONTRACTOR.

 THE REGISTION SYSTEM WILL OPPERED NO POTABLE WATER, AND THE SYSTEM SHALL HAVE A PROJECT OF THE PROJECT OF THE POTABLE SOURCE. THE BACKFLOW DEVICE SHALL BE THE PROJECT OF THE AND SECRED AREAS SHALL BE ALL ROWN THE FANTED AREAS SHALL BE DORP REGISTED. SOURCE HAD SECRED AREAS SHALL BE REGISTED SHALL BE DORP REGISTED.

 REGISTION OF THE PROJECT OF THE POTABLE SHALL BE DORP REGISTED. SOURCE HAVE A SHALL BE DORP REGISTED.

 REGISTED OF THE POTABLE SHALL BE DORP REGISTED. SOURCE HAVE A SHALL BE DORP REGISTED.

 REGISTED OF THE POTABLE SHALL BE DORP REGISTED. SOURCE HAVE A SHALL BE DORP REGISTED.

 REGISTED OF THE POTABLE SHALL BE DORP REGISTED. SOURCE HAVE A SHALL BE DORPORTED THE POTABLE SHALL BE DORPORTED THE POT
- ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS WATER NEEDS, SUN EXPOSURE, ETC.) SHALL BE PLACE ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE. THE PLANTING PLAN SHALL BE THE BASS OF BRIGATION O DESIGN, AND THE BRIGATION OF CONTRACTOR SHALL OSTAIN AND THE OWNER OF THE PLANTING PLAN PRIOR TO SUBMITTHING AS ID FOR BRIGATION DESIGNAULD, SERVICES.

 THE BRIGATION OCHORACTOR SHALL OSTAIN AND THE MORTALIED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE COLLOWING DEVICES AND SYSTEMS. MATCHED PRECIPITATION BATE ETCHNICLOSY ON TOTOR AND SPRAY HADS, RAIN SEROISS, AND MULTIPREPOGRAM COMPUTERZEE (BRIGATION) CONTROLLERS FEATURING SENSORY INJUT CAPABILITIES.

- PRESENTING AND PHESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS,
 LABOS, SERVICES, FOLIDMENT, LICENSES, TAXES, FEES, AND BAY OTHER ITEMS THAT ARE INCESSARY FOR
 THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK, SENGIEDIE HEREIN AND/OR SHOWN ON
 THE IRRIGATION PLANS, NOTES, AND DETAILS,
 ALL WORK SHALL BE FERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND
 REQUILATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL
 INSPECTIONS AND PERMITS REQUIRED BY EDERA, STATE AND LOCAL AUTHORITIES IN SUPPLY,
 TRANSPORTATION AND DISTALLATION OF MATERIALS, IN CASE OF CONFLICT BETWEEN THESE PLANS
 THE INTENT OF THE BRIGATION SYSTEM IS TO PROVIDED 100% COVERAGE OF ALL LANDSCAPE, BAREAS. THE
 BRISTIAN OF THE BRIGATION SYSTEM IS TO PROVIDED 100% COVERAGE OF ALL LANDSCAPE, BAREAS. THE
 BRISTIAN OF THE BRIGATION OF CONTROLLED REACKEYON DEVICE, PRINSY LAVES, SPRBY HEADS.
- INSTALLATIONS. ACTUAL LOCATION OF CONTROLLER, BACKFLOW DEVICE, PIPING, VALVES, SPRAY HEADS, DRIP IRRIGATION, AND RELATED EQUIPMENT MAY NEED TO BE ADJUSTED BASED ON ACTUAL SITE
- LAYOUT.

 THE IRRIGATION CONTRACTOR MUST HAVE ON ITS STAFF A TEXAS LICENSED IRRIGATOR, AS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY. A LICENSED IRRIGATOR OR LICENSED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY. A LICENSED IRRIGATOR OR LICENSED IRRIGATION INSTALLER SHALL BE RESENT AT THE PROJECT STIE AT ALL TIMES AS WORK IS IN PROCRESS. THE OWNER MAY DEMAND THAT WORK STOP UNTIL THE CONTRACTOR PROVIDES FOR A LICENSED BRIGATION INSTALLER TO BE PRESENT AT THE PROJECT STIE AND SUPERVISING ALL BRIGATION WORK.

 3. A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.

- A. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEE OF ONE YEAR AGAINST MATERIAL DEFECTS OR DEFECTEW WORKMANSHIP. ALL MATERIALS SHALL BE OF THE FOLLOWING BRANDS: RAINBIRD, TORO, NETAFIM. OTHER MANUFACTURERS MAY BE PROPOSED TO THE OWNER, AS MAY BE
- NONDIBLICATION OF THE MAIN OF THE MAIN OF THE MAIN OF THE PERSON OF THE PRINCIPLE OF THE PRINCIPLE OF THE BACKFLOW PREVENTION DEVICE SHALL BE REDUCED-PRESSURE TYPE, SIZED TO MEET IRRIGATION DEMAND AND MINIMIZE PRESSURE LOSSES. INSTALL BACKFLOW PREVENTION UNITS IN ACCORDANCE WITH IRRIGATION CONSTRUCTION DETAILS AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.
- PRESSURE SUPPLY LINES, DOWNSTREAM OF THE POINT-OF-CONNECTION:

 a. SCHEDULE 40 PVC FOR ALL PIPE 1-1/2" OR LESS
 b. CLASS 31 PVC FOR ALL PIPE 2" TO 2-1/2"
 b. CLASS 310 PVC FOR ALL PIPE 2" TO 2-1/2"
 b. CLASS 320 PVC ASSECTED, FOR ALL PIPE 3" AND LARGER
 CALS 320 PVC ASSECTED ALL PIPE 3" AND LARGER
 NON-PRESSURE LATERAL LINES (DOWNSTREAM FROM VALVES): CLASS 200 PVC
- FOR SPRAY AND ROTOR CIRCUITS SHALL BE COMMERCIAL-GRADE, GLOBE-TYPE, NO
- VALVES SHALL HAVE A ONE-PIECE SOLENOID DESIGN AND FLOW CONTROL HANDLE.
 QUICK COUPLERS: ³/₄", TWO-PIECE BODY, WITH LATCHING COVER.

- QUICK COUPLERS: \$\frac{1}{2}\$. TWO-PIECE BODY, WITH LATCHING COVER
 BALL VALVES:

 1. BRASS BALL VALVES SHALL BE INSTALLED WHEREVER PRESSURZED MAINLINE CROSSES VEHICULAR AREAS,
 AND BYFALLED ON THE UPSTREAM SIDE OF THE MAINLINE.

 2. ALL VALVES BOXES. BY ALL BE FULL-EAST TO SEE AND BYFALLED IN THERE OWNS 9" ROLIND VALVE BOXES.

 3. ALL VALVES BOXES. SHALL BE FULL-EAST, INK SIZE AND BYFALLED IN THERE OWNS 9" ROLIND VALVE BOXES.
 AVALVE BOXES. SHALL BE OF A SIZE TO CONTAIN THE ENTIRE VALVE AND/OR VALVE ASSEMBLY. THE VALVE BOX IND
 BOXES SHALL BE OF A SIZE TO CONTAIN THE ENTIRE VALVE AND/OR VALVE ASSEMBLY. THE VALVE BOX IND
 SHALL HAVE THE VALVE STATION NUMBER HEAT-BANDED INTO THE LOW BIT PS THIGH TETTERS. ONLY ONE
 VALVE SHALL BE INSTALLED PRE VALVE BOX.

 NOZZIES SHALL BE HIGH-EFFICIENCY.

 NOZZIES SHALL BE HIGH-EFFICIENC

- NDY LOAM SOILS: 0.9 GPH, EMITTERS SPACED AT 12" O.C., PARALLEL TUBING RUNS
- SPACED AT 18 U.C.

 SANDY AND SANDY LOAM SOILS: 0.9 GPH, EMITTERS SPACED AT 12" O.C., PARALLEL TUBING RI
 SPACED AT 12" O.C.

 CONTRACTOR SHALL SQUARANTEE A MINIMUM OF TWO EMITTERS PER #1 OR #5 CONTAINER PLANT.

DOUBLE YELLOW STRIPING

YELLOW-LEFT EDGE ON MULTILANE DIVIDED ROADWAYS AND CENTERLINE

BROKEN WHITE LANE

LINE

WHITE CHANNELIZING

ONSITE WHITE CROSSWALK LINE

LINE SPECIFICATIONS

ALL ON-SITE STRIPING SHALL BE WHITE, APART FROM ADA BLUE STRIPING, UNLESS OTHERWISE

NOTED.

- WINE.

 1. STATION WIRE RED

 2. COMMON WIRE WHITE

 3. EXTRA COMMON WIRES BLUE
 WIRE SPLICES SHALL BE ENCASED IN A WATERPROOF COMPOUND OR GEL. ALL FIELD SPLICES SHALL BE

 LOCATED IN A SHOR ROUND VALVE BOX.
- RAIN SENSOR: WIRELESS RAIN/FREEZE SENSOR

NO SCALE

METHODS

- E IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT AY THE THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST. ENSURE FIELD COGROINATION IS MADE EARLY ON IN
- BE REQUIRED TO MOVE SUCH TEMS AT HIS OWN COST. ENSURE FIELD COORDINATION IS MADE EARLY ON IN THE CONSTRUCTION PHASE SO PECEMENT LOCATION IS CORRECT. THE ERRIGATION CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT THE RIGHT OF CONTRACTOR SHALL HEIGHBERING, LANDSCAPE, AND OTHER APPLICABLE PLANS & DOCUMENTS. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE PLANS AND REPORT ANY CONFLICTS OR DISCREPANCIES TO THE OWNERS REPRESENTATIVE IMMEDIATELY. THE ERRIGATION CONTRACTOR SHALL NOT WILFULLY INSTALL ANY PORTION OF THE RRIGATION SYSTEM WHEN IT IS ORMOUS IN THE FIRE CHART UNKNOWN OBSTRUCTIONS, GRADES OR DIMENSIONS SMIT. SUCH OSSTRUCTIONS OF CONTRACTOR SHALL NOT WILFULLY INSTALL ANY PORTION OF THE RRIGATION SYSTEM WHEN OBSTRUCTIONS OF CONTRACTOR SHALL NOTWINGHOUS TRACTOR STRUCTURE OF THE PRIOR OF THE

- THIS NOTIFICATION IS NOT PERFORMED. THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY RENSIONS AND NECESSARY COSTS.
 SEE UTILITY PLANS FOR RRICATION POINTS OF CONNECTION (TAP) AND DOMESTIC WATER SUPPLY.
 THE IRRIGATION CONTRACTOR SHALL PAY ANY AND ALL FEES AND PERMITS ASSOCIATED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM.
 AT LEAST SEVEN DAY'S BEFORE BEGINNING WORK, CONFIRM THE STATIC WATER PRESSURE IS AT LEAST 55 PSI AND LESS THAN 70 PSI. IF STATIC WATER PRESSURE IS OUTSIDE OF THE STATED RANGE, DO NOT PROCEED WITHOUT HERST NOTIFYING THE OWNER IN WRITING, AND OBTAINING SUBSEQUENT DIBECTION FOR CORRECTIONAL MEASURES. SHOULD THE IRRIGATION CONTRACTOR CHOOSE TO BEGIN THE INSTALLATION WITHOUT SHOT NOTIFICATION. THE IRRIGATION CONTRACTOR WILL ASSUME THE RESPONSIBILITY FOR ALL COSTS INCURRED TO RESUME THE SYSTEM IS WORKING PROPERLY. NO CHANGE ORDERS WILL BE AUTHORIZED IN SUCH CIRCUMSTANCE.
- IN SUCH CIRCLIMSTANCES.

 SHOULD STATE WATER PRESSURE BE BELOW 55 PSI, A PUMP MAY BE REQUIRED FOR PROPER OPERATION
 OF THE IRRIGATION SYSTEM. THE IRRIGATION CONTRACTOR SHALL DISCUSS THE NEED FOR A PUMP WITH
 THE OWNER, AND PROPOSE OFTONS FOR THE PROPER PUNCTIONING OF THE RIRIGATION SYSTEM.
 THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES WATER.
 SEWER LECTRICAL TEEPHONE GAS, CABLE TELEVISION FLOY PROPER TO THE START OF ANY WORK. THE
 CONTRACTOR SHALL BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS. STRUCTURES AND

- CONTRACTOR SHALL BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, STRUCTURES AND UTILITIES.

 COORDINATE WITH THE OWNER THE PROPOSED LOCATIONS OF THE AUTOMATIC CONTROLLER AND ANY REQUIRED SLEWEST THROUGH THE BUILDING FOR CONTROL WIRES.

 TRENCHING NEAR DISTING TREES.

 TRENCHING HEAR DISTING TREES.

 CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CR2) OF DISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID DIVINURY OT THE ROOTS TRUNKS AND BRANCHES. THE CR2 IS DEFINED AS A CRECULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1" FOR EVERY 1" OF TRUNK DIAMETER. AREAST-HERICH 4" AS ABOUT HE VARIES (GRADE AT THE TRUNK).

 ALL EXCAVATION WITHIN THE CR2 SHALL BE PROPOSED USING HAND TOOLOGY.

 ALL EXCAVATION WITHIN THE CR2 SHALL BE PROPOSED USING HAND TOOLOGY.

 ALL EXCAVATION WITHIN THE CR2 SHALL BE PROPOSED USING HAND TOOLOGY.

 ALTER ALLEGAMENT OF PIET O AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER, WHERE TREE ROOTS 1-1/2" AND LARGER IN DIAMETER AND EXCHADING WARP EXPOSED ROOTS WITH SEVERAL LAYERS OF BUILDER AND THE FIELD, TUNNEL UNDER SUCH ROOTS. WARP EXPOSED ROOTS WITH SEVERAL LAYERS OF BUILDER AND FANCE SUCH ROOTS. WHAD CANNOW DRIP LINES WITHIN 24 HOURS.

 ALL SECRETOR FOR THE SHALL BE AND PRINCIPLY AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CARD OF BUILDER SWITHIN 24 HOURS.

 ALL SECRETOR FOR THE SHALL BE HAND PRUNCIPLY WITH SHARP TOOLS AND ALLOWED TO AIR-DRY, DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.
- BACCHIL MATERIA SHALL BE SUBJECT TO APPROVAL BY THE OWNER. BACKFILL MATERIAL SHALL BE
 FEEF FROM RUBBISH, ROCK LURGER THAN 1" LARGE STONES, BRUSH, SOD, FROZEN MATERIAL CR OTHER
 UNSUTTABLE SUBSTANCES THAN 1 THAN 1" LARGE STONES, BRUSH, SOD, FROZEN MATERIAL OR OTHER
 OUT ROCKS LARGER THAN 1 INCH IN ANY DIRECTION FROM EXCAVATED MATERIAL. AND REMOVE FROM
 AREAS TO RECEIVE LANDSCAPING, COVER FOR BOTH TOP AND SIDES OF PIPE SHALL BE AMINIMUM OF 2
 INCHES OF ROCK-FREE SCIL, SAND, OR OTHER APPROVED MATERIAL. BY AND LIKE AND MATERIAL FOR MITHER SECONDARY OF THE STORE STONES OF THE SHALL BE AMINIMUM OF 2
 INCHES OF ROCK-FREE SCIL, SAND, OR OTHER APPROVED MATERIAL.

 IN THE EVENT THAT THE MATERIAL FROM THE EXTENDED THE RENCHING IS FOUND TO BE UNSUTTABLE FOR USE IN BACKFILL, IT SHALL BE REMOVED FROM THE SITE AND PROPERTY AND LEGALLY DISPOSED OF
 BY THE CONTRACTORS AT HE CONTRACTORS SPENSE. THE CONTRACTORS SHALL THEN PURCHASE AND
 AND FURNISH SUTTABLE BACKFILL MATERIAL CONSISTING OF EARTH. LOAM, SANDY CLAY, SAND OR
 BACKFILL FROM THE MATERIAL FROM THE STAND AND PROPERTY AND ELGALLY DISPOSED OF
 SOURCES AT LOCATION SHOWN ON PLANS AND AS APPROVED BY THE OWNER, AND SHALL MAKE ANY MINOR
 CHANGES IN LOCATION AS MAN BE INCESSARY DUE TO ACTUAL SITE OCCURITONS TO SECRET OWNER, AND SHALL MAKE COLOR OF REPORT OF THE CONTRACTORS TO CAUTHOUS SHOWN ON PLANS AND AS APPROVED BY THE OWNER, AND SHALL MAKE ANY MINOR
 CHANGES IN LOCATION AS MAN BE INCESSARY DUE TO ACTUAL SITE OCCURITON SO INSTALL A BRASS BALL VALVE
 HIGHET SHALL BE AS PER LOCAL CODES AND MANUFACTURERS INSTRUCTIONS. INSTALL A BRASS BALL VALVETEN
- TRESSTI STANLE BE AS YER LOCAL CLUES AND MANUFACTURERS INSTRUCTIONS. INSTALL A BRASS BALL VALVE IMMEDIATELY UPSTREAM OF THE BACKFLOW DEVICE TO SERVE AS AN ISOLATION VALVE. TO EVERY EXTENT POSSIBLE, INSTALL BACKFLOW PREVENTER IN A LOCATION SCREENED FROM PUBLIC VIEW (SUCH AS BEHIND A SERVING AS VIEW).
- NO:
 PIPE SIZE SHALL CONFORM TO THE STANDARD OF CARE FOR PIPE SIZES. THE IRRIGATION CONTRACTOR
 SHALL RUSHER THAT THE FLOW THROUGH ANY PIPE DOES NOT EXCERD 5 PS.
 MAINLINE PIPE AND WIRES SHALL BE INSTALLED WITH A MINIMUM COVER OF 18 INCHES. LATERAL PIPE
 SHALL BE INSTALLED WITH A MINIMUM COVER OF 12 INCHES
 SHALL BE INSTALLED WITH A MINIMUM COVER OF 12 INCHES
 SHALL BE INSTALLED WITH A MINIMUM COVER OF 12 INCHES
 SESSIME ALL THREADED HITHINGS WITH TEILOR THROUGH WHICH SHALL BE APPLIED TO MALE THREADS

- ONE!"
 ALL SOLVENT-WELD CONNECTIONS SHALL BE MADE WITH APPROVED SOLVENT-WELD PRIMER AND GLUE. PIPE SHALL BE INSTALLED WITH A MINIMUM OF 4" HORIZONTAL CLEARANCE FROM ANY OTHER PIPE AND 2" VERTICAL CLEARANCE FROM ANY PIPES THAT CROSS OVER OR UNDER.

LS:

VALVES SHALL BE INSTALLED PER MANUFACTURER'S DIRECTIONS.

VALVE BOXES SHALL BE INSTALLED FULSH WITH THE GRADE, WITH CLEAN PEA GRAVEL LOCATED BELOW

THE VALVEL LOCATE BOXES WITHIN IS TO 24" OF SIDEWALKS OR LANDSCAPE EDGES, WITH TOPS OF

BOXES "** ABOVE FINISH GRADE IN TURF, AND 3" ABOVE FINISH GRADE IN SHRUB AREAS (TO AVOID BEING

COVERED BY WITHIN SHOWS THE STATE OF THE STAT

VARIES (OR SEE PLAN)

"NO PARKING ZONE" STRIPING

VARIES

ONSITE

CROSSWALK

SPECIFICATION

TYPICAL PANDA EXPRESS PAVEMENT STRIPING AND MARKING

8" WHITE

- COVERED BY MULCH).
 EACH VALVE BOX COVER SHALL BE HEAT-BRANDED WITH THE CONTROLLER STATION NUMBER.
- PACH VALVE BOAK COLD SHALL BE REM-HORANDED WITH IT IN COUNTRICATES STATION WOMEN.

 PRINCATION FE QUIMMENT SHALL BE RESTALLED PER MANUFFACTURER'S DIRECTIONS.

 DRIP LINES IN AREAS WITH ONG MISS MULCH, SUCH AS SHREDDED WOOD, SHALL BE BURIED, NO MORE

 DRIP LINES IN AREAS WITH SOCK MULCH SHALL BE MOUNTED ON GRADE AND BENEATH LANDSCAPE
 FABRIC, AND SCUBED IN PLACE WITH WIRE STAPLES AT A MAXIMUM OF 48" ON CENTER.
- SPRAY, ROTOR AND BUBBLER HEADS:
 ALL SPRAY AND ROTOR AND BUBBLER HEADS:
 ALL SPRAY AND ROTOR HEAD LOCATION S HALL BE STAKED, FLAGGED AND/OR OTHERWISE CLEARLY MARKED ON THE GROUN PRIOR TO INSTALLATION. SPRINKLER HEAD STAKING SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.
- ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12 INCH MINIMUM LENGTH OF \$\frac{1}{2}\$ INCH FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WIDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON \$\psi\$5 SOLVENT AND \$\psi -20 PRIMER. ALL ROTORS SHALL BE CONNECTED TO LATERAL LINES WITH PRE-MANUFACTURED SWING
- #P-70 PIRIMEN, ALL RULINGS STALL DE LOSTINGER PARTICIPATION OF THE PROPERTY AND FLUSH TO FINISH GRADE ALL ROTOR, SPRAY AND BUBBLER HEADS SHALL BE SET PERPENDICULAR AND FLUSH TO FINISH GRADE AND WITH A CLEARANCE OF FOUR INCHES MINIMUM FROM THE EDGE OF ANY BUILDINGS, WALLS, BOULDERS, AND HARDSCAPE, UNILESS OTHERWISE SPECIFED.
 ALL ROTORS, SPRAY AND BUBBLER HEADS AND VALVES SHALL BE FLUSHED AND ADJUSTED FOR OPTIMUM COVERAGE WITH MINIMUM OVERSPRAY ON WALKS, STREETS, WALLS, ETC.

- 4. ALL ROTOR, SPRAY AND BUBBLER HEADS AND VALVES SHALL BE FLUSHED AND ADJUSTED FOR OPTIMUM COVERAGE WITH MINIMUM OVERSPRAY ON WALKS, STREETS, WALLS ETC.

 AUTOMATIC CONTROLLER AT THE LOCATION INDICATED BY THE OWNER. INSTALL CONTROLLER WITH A INSTALL PROPERTY OF THE CONTROLLER AT THE LOCATION INDICATED BY THE OWNER. INSTALL CONTROLLER WITH A DEDICATE ON CONTRACTOR SHALL COORDINATE 120 VALC. ELECTRICAL POWER TO CONTROLLER AND EDECATE ON (1) 20 AMP BERKARE FOR EACH CONTROLLER. IT SHALL BET HER RESONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL SOURCE TO THE REGION OF THE CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL SOURCE TO THE REGION OF THE CONTRACTOR SHALL WHERE SPLICES MAY BE NECESSARY DUE TO SKESSVILL UNKNOW WIRE RUNS. THE CONTRACTOR SHALL MAKE ALL SPLICES IN 6° ROUND VALVE BOXES WITH 3M'S TOPS-CIRCLET BURGAL SPLICE KET. THE CONTRACTOR SHALL LABEL ALL LEVEL A 24" COIL OF EXCESS WIRE AT EACH CONNECTION.

 4. PROVIDE #10 COMMON WIRE, DIRECT BURGAL STALLER AND VALVE MARKED LOSS, AND SHALL LEVEL A 24" COIL OF EXCESS WIRE AT EACH CONNECTION.

 4. PROVIDE #10 COMMON WIRE, DIRECT BURGAL STALLER AND VALVE MARKED LOSS, AND SHALL LEVEL A 24" COIL OF EXCESS WIRE AT EACH CONNECTION.

 5. CONNECTI ALL DIRECT BURGAL WIRES TO VALVES SUNGS MAS "SOPPORTED BURGAL SPLICE KIT" (UNLESS OTHERWASE SPECIFIED).

 6. PROVIDE #10 COMMON WIRE, DIRECT BURGAL TO ALL REMOTE CONTROL VALVES.

 6. CONNECTI ALL DIRECT BURGAL WIRES TO VALVES SUNGS MAS "SOPPORTED BURGAL SPLICE KIT" (UNLESS OTHERWASE SPECIFIED).

 7. HE BRIGGATION CONTRACTOR SHALL BE RESPONSIBLE FOR RESPONSIBLE FOR THE VERDING WIRE SELECTION WIRE SELECTION OF THE PROPAGE OF THE RESPONSIBLE FOR THE VIGINITY OF THE CONTROLLER AND COORDINATE LOCATION WITH THE COMMER. IT IS THE RESPONSIBLE TO PEN HE REGION OF THE REGION O

- ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. OUALITY CONTROL
 - ALITY CONTROL

 PERFORM COVERAGE TESTS AFTER IRRIGATION SYSTEM IS COMPLETED, BUT PRIOR TO ANY PLANTING AND
 PERFORM TESTING IN THE PRESENCE OF THE OWNERS REPRESENTATIVE.

 ITSET SYSTEM TO ASSURE THAT IL PLANTING ARREA ARE WAITERED COMPLETELY AND UNIFORMLY.

 MAKE ALL NCESSARY ADULSTMENTS TO PROVIDE COMPLETE COVERAGE, INCLUDING REALIGNMENT OF
 MICROS AND REPLACEMENT OF NOZZERS.

- HEADS AND REPLACEMENT OF NOZZES.

 DUBRING BIRRIGITION EXCANATION AND INSTALLATION, KEEP ALL PAVEMENT CLEAN AND ALL WORK
 AREAS IN A NEAT, GROBERY CONDITION.
 DISPOSED ISERALLY OF ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
 PECTION AND ACCEPTANCE
 UPON COMMERTION OF THE WORK, THE IRRIGATION CONTRACTOR SHALL PROJUBE THE SITE CLEAN, FREE
 OF DEBRIS AND TINST, AND SUTHALE FOR USE AS INTERIOR. THE RINGATION CONTRACTOR SHALL
 WHICH THE INSPECT OF THE WORK THE PROJECT SITE OF THE THIRD THE SITE CLEAN, FREE
 OF DEBRIS AND TINST, AND SUTHALE FOR USE AS INTERIOR. THE RINGATION CONTRACTOR SHALL
 WHICH THE INSPECT OF WORK DOES NOT COMPLY WITH THESE REQUISEMENTS. THE CONTRACTOR SHALL
 REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
 THE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE WORK HAS BEEN REIN-RECTED BY THE
 OWNER AND FOUND TO BE ACCEPTABLE AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL
 BE SISUED BY THE OWNER, AND THE MAINTENANCE AND GLADATE PROFOSO WILL COMMENCE.

 LAMINATED COPY OF THE BRIGGATION LAYOUT AND PLACE IT IN THE CONTROLLER'S COYES. THE
 CONTROLLER CHART SHALL CLEANLY DELINEAT THE AREAS COVERED BY SEACH AND SUMM SAPARATE
- LAMINATED COPY OF THE IRRIGATION LAYOUT AND PLACE IT IN THE CONTROLLER'S COVER. THE CONTROLLER'S COVER THE CONTROLLER CHART SHALL CLEARLY DELINEATE THE AREAS COVERED BY EACH VALVE. USING A SEPARATE COLOR FOR EACH ZONE.

 TURN THE FOLLOWING ITEMS IN TO THE OWNER UPON COMPLETION OF THE INSTALLATION:

 a. QUICK COUPER KYS (2)
 b. CONTROLLER KYS (2)
 c. CONTROLLER KYS (2)
 d. A MINIMUM OF (2) COPIES OF RECORD DRAWINGS. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE FROM CANDIDATED THE PLANTING SPECIFICATION OF OR ADDITIONAL CONDITIONS OF FINAL ACCEPTANCE AND START OF THE PLANTING SPECIFICATIONS OF RADIDATIONAL CONDITIONS OF FINAL ACCEPTANCE AND START OF WARRANTY.

- REPER TO THE POWER PERIOD, AS MAY BE APPROPRIATE.

 WARRANTED (LABOR AND MATERIALS) TO

 WARRANTED (LABOR AND MATERIALS) TO

 REMAIN OPERATIONAL FOR PERIOD OF 1 WOUTHS AFTER THE DATE OF RINAL ACCEPTANCE. DURING

 HAS PERIOD, THE CONTRACTOR SHALL ALSO BEPAIR ANY SETTLEMENT OF THE BERGATION TRENCHES.

 2 MY THE DAY OF THE WARRANTY PERIOD, ANY IRRIGRATION APAIT HAT IS ETHER NO-OPERATIONAL OR

 THAT IS OPERATING BELOW STANDARDS AS DETERMINED BY THE OWNER, SHALL BE REMOVED FROM THE

 SITE AND SHALL BE REPLACED. REPLACEMENTS SHALL BE OF THE SAME KIND AS SPECIFIED IN THE

 IRRIGATION LEGEND, AND SHALL BE INSTALLED AS ORIGINALLY SPECIFIED.

 IRRIGATION PARTS DAMAGED OR IMPAIRED OUT OACTS OF GOOD, VANDALISM, AND/OR THE OWNER'S

 IMPROPER MAINTENANCE SHALL NOT BE COVERED BY THIS WARRANTY.

 SHOULD THE PERMITTING JURISCICTION REQUIRE AN BIRRIGATION AUDITOR, AT NO ADDITIONAL

 RETAIN THE SERVICES OF A THIRD-PARTY CERTIFIED LANDSCAPE BRRIGATION AUDITOR, AT NO ADDITIONAL

 COST TO THE OWNER.

JOB NUMBER

SHEET NUMBER

PANDA EXPRESS SITE NOTES & DETAILS

MODEL JP1000-EE-G TRAFFC RATED CPERATING CAPACITY: 1,000 GALLONS. DESIGN LOAD: H-20 TRAFFIC WITH DRY SOIL CONDITIONS (WATER LEVEL BELOW TANK) AND 1 TO 6 FEET EARTH COVER. BEDDING NOTE: SUITABLE SUB-BASE BEDDED WITH GRANULAR MATERIA SHALL BE PREPARED TO HANDLE ANTICIPATED LOADS. FOR COVPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST. MISHIT. Javeen Precest reserver the right to make changes to product design and/or dimensions without notice. Flocas contact Jenser Precest whenever necessary for continuation or addice on product design. 4/21/2010 P10XC_BE_5_AZ_ADMO 0/2010

1000 GAL GREASE TRAP

PANDA EXPRESS GENERAL CONSTRUCTION NOTES:

CONTRACTOR SHALL COORDINATE FINAL LOCATION WITH SIGN COMPANY AND PANDA EXPRESS PM FOR FINAL LOCATION OF DRIVE THRU FLEMENTS

(MNN) BOARD, ORDER CANDRY, CLEARANCE BRANCH AND DIRECTIONAL SIGNAGE; PRIOR TO INSTALLATION. CONTRACTOR SHALL ENSURE THAT PROPOSEE UILLINES, INCLUDING SITE LIGHTING CONDUIT ARE NOT INSTALLED SO THAT THEY WOULD CONFLICT WITH THE PLACEMENT OF THE DRIVE THRU FIRM STRENGT OF THRU FIRM STRENGT OF THE DRIVE THRU FIRM STRENGT OF THRU FIRM STRENGT OF THE DRIVE THRU FIRM STRENGT OF T

INTRACTOR SHALL PROVIDE CONCRETE PAVING BETWEEN FACE OF BUILDING AND BACK OF CURB ALONG DRIVE-THRU LANE AND ENSURE POSITIVE AINAGE AWAY FROM BUILDING.

INTRACTOR SHALL COORDINATE AND ADJUST LOCATION OF LOOP DETECTORS TO AVOID UTILITY CONFLICTS PRIOR TO CONSTRUCTION

ITRACTOR SHALL INSTALL GENERAL UTILITY CONDUITS TO PLANTERS AROUND BUILDING AND PATIO. SEE ARCHITECTURAL/MEP PLANS FOR ITINUATION.

ONTRACTOR SHALL PROTECT ALL ITEMS OUTSIDE LIMITS OF CONSTRUCTION UNLESS OTHERWISE NOTED IN THE CONSTRUCTION PLANS OR ECIFICATIONS.

INTRACTOR SHALL ENSURE 100% COVERAGE OF ALL LANDSCAPED AREAS WITHIN LIMITS OF WORK, INCLUDING POTENTIAL OFFSITE AREAS. COVERAGE ALL INCLUDE BOTH LANDSCAPING AND IRRIGATION.

INTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES (LOCATIONS AND ELEVATIONS) PRIOR TO STARTING CONSTRUCTION AND ALERT ENGINEER TO BY DISCREPANCIES IMMEDIATELY.

HE GEOTECHNICAL INVESTIGATION AND ANY SUBSEQUENT ADDENDUMS IS CONSIDERED PART OF THE CONTRACT DOCUMENTS. IT IS THE ONTRACTOR'S RESPONSIBILITY TO COORDINATE THE REPORT'S RECOMMENDATIONS AND FINDINGS WITH THE OWNER, ENGINEER AND ARCHITECT PRIC O CONSTRUCTION. IMPLEMENTATION OF THE REPORT'S RECOMMENDATIONS MAY REQUIRE THE CONTRACTOR TO PERFORM ADDITIONAL WORK NOT HOWN ON THE CYIL PLANS INCLUDING BUT NOT LIMITED TO EXCAVATION, REMEDIATION, DEWATERING, COMPACTION ETC.

1000 GALLON

GREASE INTERCEPTOR

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PROJECT INFORMATION

EXPRES FOR 0 ENT MASSILLON, LOPM Z 4 EVEI ₫ Ø $\overline{\Box}$ SE WAY S 0 ¥ <u>P</u> \Box LINCOLN

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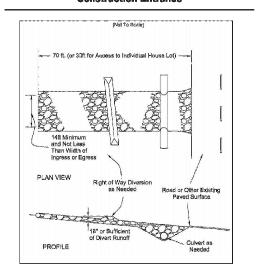
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OFESSIONAL SEAL

PRELIMINARY DATES JAN 20 2023 MAR. 24, 2023

2178020

Construction Entrance



Construction Entrance

- Storne Steze—ODOT 4/2 (1.8-2.5 inch) eterne shall be used, or
 seyclad comprate equivelent.
 segon as is practicable before major graphing activities.

- Bookedile A geolectile af all be laid over the entire area prior to placing stone. It shall be composed of strong not-proof polyment floers and meet the following apprilications:

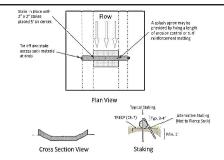
Men	100.7	4.4	

Geotextile Specification for Construction Enfrance			
Minimum Tensile Strength	200 lbs.		
Minimum Puncturs Skrangfir	810 pai.		
Minimum Test Strength	800 lbst.		
Minimum Suest Strength	320 psi.		
Minimum Bengalien	20%		
Equissient Opening Size	F08 < 0.6 mm.		
Permittivity	1x10-3 cm/sec.		

- Chivert -A pipe or cultent shell be constructed under the enforces if meeted to prevent surface water from flowing across the enforces or to prevent runoff from seing, directed out onto goved surfaces.
- Weiter Bot A weiter bat shall be constructed as cart of the construction entrance if needed to prevent surface runoff from flowing the length of the construction enhance and out only never a uniform.
- 10. Construction enforces shall not be relied upon to remove much from which se and precent off-size tracking, left false that order and leave the construction-site shall be restricted from muckly areas.
- Restroyel—the entrance shall remain in place until the disturbed area is stabilised or replaced with a permanent

Specifications

Compost Sock Check Dam



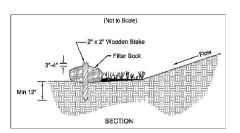
- 6. Place compost each chack claims so that the entile extend to the top of bank. Staking for compost each cheek denie shall use 2 hash is 2 high wooden stakes, placed 5 had on centre. Stake length shall allow than it be driven 12 horder into eakting coll and a few at beat 2 inches above the sock. Compost sock patting shall use a knitted meet ristric with 1/8-3/6 inch sperings, and compost medie with particle stess 99% < 8 inches, and 60% > 3/6 inches (conforming to med a described in Chapter 6 Filter Socié).
- Compost sock check dams shall be used in areas that drain 5 cores or less.
- Sediment shall be removed from behind the cosk when it weches jo the neight of the check dam.
- ventrees is the angino of the orbito claw.

 4. Composition of which dams with in constrained with 12, 15, or 74 is dismater compositioned, and shall completely some the which of the shame. He midden's of the composition of the data of the liber in midden's of the composition of the data of the liber in midden's of the composition of the data of the liber in midden of the composition of the data of the liber in midden's data of the dat
- Although no tranching is nesseary, compost sock check thems shall be placed on a gradual surince where consistent consect with the soil authorale made whiteout taking layer gops, it is, guilles, alcrose or other irregularities.

6 CHAPTER 5 Torrigonary Runsell Control

Specifications for

Filter Sock



- Minierative Composit used for filter socials shall be vessel, pathogen and inseet five and five of any refuse, conteminate or other materials tools to plant great. They shall be defined from evel -thosomposes sources of organic maties and consist of a particles ranging from 3.9 % to 2*.
- Filter Socks shall be 3 or 8 mil continuous, tutuler, NOPE. 3/8" knifted meah natting material, filled with exempost passing the above opeoil sations for compost products.

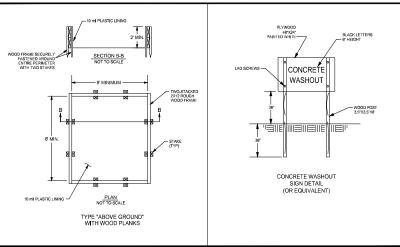
- Fifter ecolar will be cleared on a level lime acrose clopes, generally parallel to the base of the alope or other affected inner. On slopes approaching 2.1, exhibitional socks shall be provided at the top and as needed nati-clears.
- Fifter access interrelating to be left as a permanent filter or part of the natural landacage, shall be seeded at the time of installation for establishment of permanent vegetablen.

7. Space compact scale check dame so that the for or of the upstream dam is at the same elevation or lower elevation as the top of the downshown congost cock check dam jot the cannot, this will be inflamed by the stages. This of the sock and gradient of the vaderway.

of the sock and gradient of the extensions.

A epidat organ may be necessed where flows hear the early may extend the ordan may extend and undersout the company could refer the contract of the company flows in Charlest Resource by Endong a largest or Tensporary Potential Resource Contract Product, discretion Contract Product, and other society and some strength of the contract contract Product, discretion Contract Product, and some strength of the company and other shock cleans. See Chargest 7 the Information regard of shoots methods the financial contract of the Contract Product Product Product

- Where the filter sock deteriorates or falls, it will be repaired or replaced with a mose effective atternative Panneval – Filter socks will be dispersed on sits when no longer required in such as way as to facilitate and not



NOTE: CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT OF THE SUMP SHALL BE COLT AND PLUGGED REFERENCE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL FOR ADDITIONAL CONSIDERATIONS.

CONCRETE WASHOUT DETAIL

NO SCALE

A EXPRES FOR: Н **EVELOPMENT** MASSILLON, ND 4 **6** Ø ш **PROPOSED** LINCOLN WAY **RBUCKS**

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PROJECT INFORMATION

PROFESSIONAL SEAL

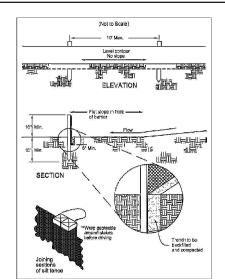
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PRELIMINARY DATES JAN. 20. 2023 MAR. 24, 2023

JOB NUMBER 2178020

SHEET NUMBER

Silt Fence



CHAPTER 6 Sediment Countrils 35

Silt Fence

- Bearns between ecotions of elli feros chall be apiliced together only sit a support past with a minimum 5-in, everlap paier to driving into the ground, (see abstells).
- 2. All sit fence shall be placed as alose to the contour as assessible to that weder will not concentrate at two points in the fence and so that small sweller or depressions that may carry areal concentrated flows to the sit fence are nay cany anan ou on on....... dissipated along its length. Ends of the allt fenese shall be brought upstope slightly so that water ponded by the allt tence sell be prevented from
- flowing around the ends. 4. Silt fence chall be placed on the flatiset area available.
- Where possible, regelation shall be preserved for 6 feet for as much as possible) upslage from the silf tence. If registration to removed, it shall be reestablished within days from the installation of the ail; tenes.
- The height of the slit fence shall be a minimum of 18 inches above the original ground surface.
- The slift ferce shall be placed in an exceeded or election of the control of minimum and 6 factors deep. The terrath site to enable with a treather, coathe before made with a treather, coathe before made inc, escape made inc, or other as lately before that will ensure an adequately uniform transit depth.
- The slit here and he placed with the stakes on the downships side of the geotoxile. A minimum of 8 inches of geotoxile must be below the ground surface. Excess material shall leg on the bottom of the 6-1 roll deep transh. The trends shall be bestelled on to both on both

contribution paint to rivining into the ground, goes debindle, 13. Methicensors—Si Pittices that ill above, murtiful to pass or yet and diffuse flow through the goodstelle. It useful sear-tage the self little control to the search of sear-tage that the search of the search of the search of the force of the search one of the following and the generalized tion offsettings, one of the following and the generalized, an appropriate: 1) the sepands of the distributes shall be distributed. 25 most making and the search of 30 yets of search and the fraudisci.

Settiment deposits shall be routinely removed when the capualt recover approximately one-half of the height of the silt fance.

there is cause. Still be inspected office each recrisi, and at least dotly during a participated ratinfall. The least in each of gath force shall be reviewed during to ensure the exact or gath force shall be reviewed during to ensure the expect location and efforchments. If during ed., the sittlement effort the expect force of the expect force

Fence post — The largift shall be a minimum of S2 before. Wood peats will be 2-by-8-in, comined defeatations.
 Factions of the control partity. They shall be her of hards, psibs and other shall be important parts and the relation in particulars, that will reason the posts. The relation product place is not to 90.1. Posts shall be defense on infinitive in form they control the posts. The reposts in it of the posts defined be designed years and to prevent overtuning of the innex rate to condiminately assured to prevent overtuning of the innex rate to condiminately assured to prevent overtuning of the innex.

Todales B.S.2 Minimum orderis, to SM Fauce Frioria (COCT, 2002)					
FABRIC FROPERTIES	VALUES	TEST METHO			
Minimum Tereile Strength	120 lbs. (636 H)	A6710 D 4635			
Meximum Elengation at 20 liter	90%	AST'N D 4633			
Minimum Puncture: Strength	50 lbs (220 H)	AST'01 D 4833			
Mir inum Year Strongen	40 bs (180 H)	AST'N D 4633			
Apparant Opening Size	£ 0.84 mm	AST'N D 4781			
Malman Femiliyly	1X10-2 sec1	A57'd D 449'			
LN Exposure Strength Retardson	70%	ASTRI G #330			

34 CHAPTHE 6 Sadknest Controls

50 CHAPTER 6 Sediment Controls



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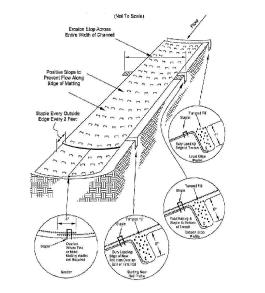
PROJECT INFORMATION

PANDA EXPRES **DEVELOPMENT FOR** MASSILLON, OH Ø • ш **PROPOSED**

PRELIMINARY DATES JAN. 20, 2023 MAR. 24, 2023

SHEET NUMBER

Temporary Rolled Erosion Control Product



Specifications

Temporary Rolled Erosion Control Product

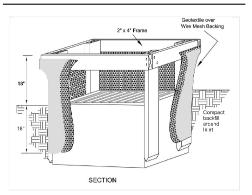
- Charmel-Sitzpe Bod i Preparation Gande and compact area of installation, preparing seatileted by locensing 2-2" of opposition produces the proper of installation produces the proper of installation and content of the proper of installation or of the proper of the property of the prope
- Channel/dispe Seeding Apply seed to soil surface prior to installation. All check slots, anchor menches, and other disturbed areas must be reseated. Refer to the Permanent Seeding specification for seeding recommendations.
- Steps Installation

 3. Execute top and author transfer (12°x8°), intermittent execute top and soften transfer for signified based on experience. Executes top another french 2°x8° over creet of the since.
- Hinfermitter's growton streets etcls are required, install RECP in 6" 18" abot at a medimum of 20" contens or the mid point of the abops, RECP about be establed into trench on 12" contens.
- 5. Install RECP in top anchor transh, anchor on 12" spacings,
- Umuli Port strem et pe with edjacent rolle overtepped a
 minimum of 2". Anotas the seem overs 16". Lee the RECP
 losse to maintain direct soil contact, do not pull taught. 7. Oesdap roll ends a minimum of 12" with upstops RECP us tags for a shingle silect. Begin all new rolls in an encelor oness stoff regulard, double snother across roll every 12".
- 8. Install RECP is bottom archor ments (12% F), another every 12°. Place all other steples throughout single at 1 to 2.5 per aguass yard departament on slope. Refer to manufacturer's enchar quibs.

CHAPTER 6 Sediment Controls 41

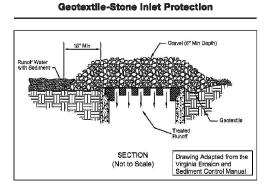
- 11. Excessob longitudinal chemnel anchor stote (4°x4°) stong both states of the channal to bury the edges. Wherever prostate extend the PECP 2°-3° stocks the creat of channel state slopes.
- 13. Roll out RECP bug inning in the center of the chemnel toward the intermittent check stot. Do not pull taught. Unrail educant rolls upstream with a 3" minimum coerisp tenctor every 18") and up sech of annel side steps.
- 14.At top of channel side alopes instal. RECP in the longitudinal anchor slots, anchor every 15°.
- 15. Install FECP in Intermittent check sixts. Lay into trench and secure with exchars every 12°, backfull with soil and com-
- 18. Overlag vall ends a minimum of 12" with upstream 1950P on top for a shingling effect. Begin all new rolls in an information check elet, double enchand every 12". 17. Install upstream end in a terminal archor trench (12°×6"); ancher every 12", backfill and compact:
- 18. Complete suchering throughout channel at 2.5 per square-yeard using suitable ground enrichming devices 30 shaped sets as spie, media gostered in pine, planted states, and interrupt are exceeded states; Americans should be all sufficient length to resist publicat. Longer son-hare may be required in losses send by or greatly sails.

Geotextile Inlet Protection



- 6. a caption is seen is normed.
 7. The vacables haves seed be constructed of 2-high by 4-high countration grade harder. The 2-high by 4-high peeds shall be debrained (1) B, 4-high by 4-high peeds shall be debrained (1) B, 4-high by 4-high peeds shall be debrained (2) B, 4-high by 4-high by 4-high harms assembled using the overlap just slowers. The log of the transit shall be at least of infrinte below adjacent order for predictions of the shall be at least of infrinte below adjacent.
- Wirs meet shall be of eathlicent strength to support toke with reathr fully impounded against it. It shall be ortested tightly around the finance and factored eccurity in themse and factored eccurity in themse.
- In liet protestion shall be constructed offer heliars upsigns lead distantance begins or before the hinds becomes facultional.
 The participant of the hinds after the constructional.
 The participant of the hinds after the excessed completely to a right in ground to fairness with the constructed of 2-hero by 4-hero becomes for ground to fairness and the constructed of 2-hero by 4-hero becomes from ground to fairness and the constructed of 2-hero by 4-hero becomes from ground to fairness and the constructed of 2-hero by 4-hero becomes from ground to ground the fairness and the constructed of the debt for the fairness and the constructed of the debt for the fairness and the constructed of the debt for the fairness and the construction of the const
 - Backill shall be placed enound the inter in compacted 8-inch layers until the earth is ever with notch elevation on ends and top slevation on eidee.
 - 7. A compacted earth dike or check dam shell be con-enucted in the dibth has below the intel if the linet is not in a depression. The top of the dike shall be at least 6 highes higher than the top of the frame.

CHAPTER & Sodiences Controls 39

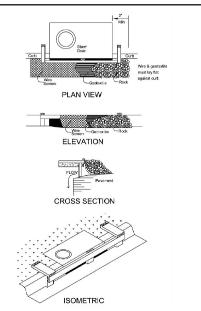


- Inlet protector shall be constructed either before upslage land disturbance begins or before the inlet becomes functional.
- Rectactle and/or who material shall be placed over the inc of the storm seasor and approximately siz (6) inches of 2-high or amalier class aggregate placed on tap. Estim support for goodwalle is provided by placing hardware.
- aloth or wire metch across the inlet cover. The wire should be no larger than 14° mask and should extend an eather 12 inches across the top and sides of the inlet cover.

CHAPTER 7 Scil Stabilization

Maintenance must be performed regularly, especially after storm events. When dogging of the stone or geolecitic occurs, the material must be revreved and replaced.

Geotextile - Stone Inlet Protection for Curb Inlets



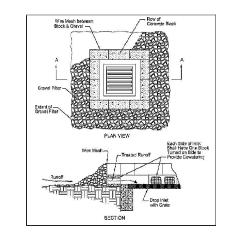
Geotextile-Stone Inlet Protection for Curb inlets

CHAPTER 7 Soil Stabilization 55

- Construct a veciden frame of 2-by-4-in, construction-good lumber. The end opposes shall be a minimum of 1 ft. beyond both ended first threat opening. The anothers shall be relief to 2-by-4-in, elipse of even on the opposite able to all the custs.
- The value mesh shall be of sufficient others; the support father and stone. If shall be a continuous place with a minimum width of 30 in, and 4 ft, langer than the throat length of the Intot, 2 ft, or each side.
- Geoderstile obth shall have an equivalent opening size (COS) of 20-40 sless and be resistant to qualight. It shall be at least the same size or the who much.

- 5. The wire mesh and geotestile cloth shall be formed to the
- 6. Two-inch stone shall be placed over the wire mesh and
- This type of protection must be inspecied frequently and the stone end/or grotextile replaced when obagged with

Block and Gravel Drop Inlet Filter



- 1. Place 4-facility 6-facility 12-facility concrete bilands in regimente on their datase in a single new crown. The postmeter of the index, with the entire of educant blocked shadding. The begint of the basinet can be seried, depend-ing upon the design areats, by elasticing combinations of the same selection. The basinet of blocks abused be and least 12-incree high but no geneter them 24-hockee high.
- Wire mesh should be placed over the outside vertical face (webbling) of the concrete blocks to prevent stane from
- If the stone filter becomes obgged with extiment or that it no longer adequately partiting its function, pull stone away from the blooks, clean analier replace.

CHAFTER 6 Sedimens Constole 43

42 CHAFTER 6 Sediment Controls

40 CHAPTER 5 Sediment Controls

EROSION CONTROL DETAILS

LINCOLN WAY **RBUCKS** STA PROFESSIONAL SEAL

JOB NUMBER 2178020



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PROJECT INFORMATION

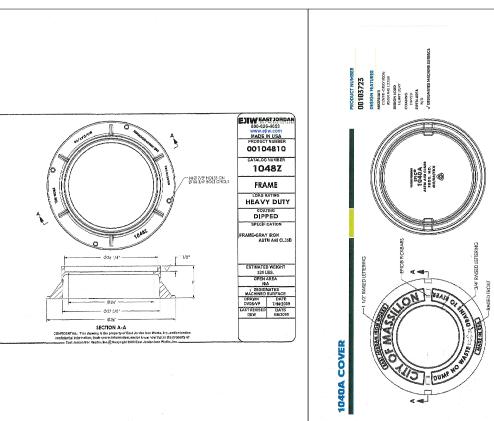
MASSILLON, OH 44646

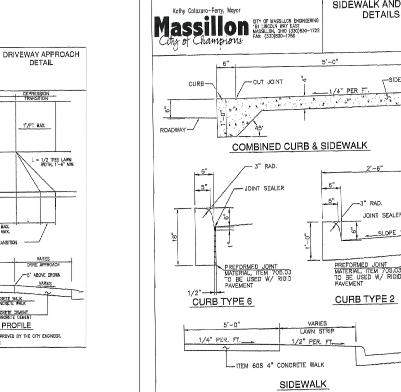
& PANDA EXPRESS PROPOSED DEVELOPMENT FOR: LINCOLN WAY **STARBUCKS**

PRELIMINARY DATES JAN. 20, 2023 MAR. 24, 2023

JOB NUMBER 2178020

SHEET NUMBER





7030 CATCH BASIN CURB INLET 7030 CATCH BASIN CORB INVELTI-heavy duly. With Type M2 grate and T1 back 260 sp. in open area. Outblack height adjusts from 4 1/41 to 91 "DUMP NO WASTE!" lettering and fish image. Drive over outblinet frame — 703022.

12 PM - 11 PM

DEPRESSION TRANSITION

1"/FT. WAX.

-6" ABOVE DROWN

VARIES

A

⊕→

DRIVE WIDTH
RESIDENTIAL DRIVE WIDTH 24' MAX.
COMMERCIAL DRIVE WIDTH 30' MAX

STANDARD 18" DROPPED CURB TRANSITION DRIVE PLAN

RES. 6" CONCRETE WALK COMM. 9" CONCRETE WALK

DRIVE PROFILE

RES 6" PORTLAND CONCRETE CEMENT COMM. 9" PORTLAND CONCRETE CEMENT

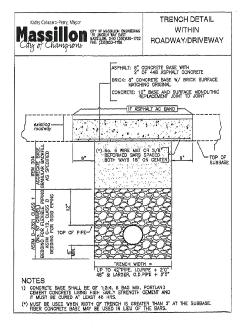
ANY DEWATON FROM THIS MUST BE APPROVED BY THE CITY ENGINEER.
CONCRETE SHALL BE 4020 PSI CLASS C

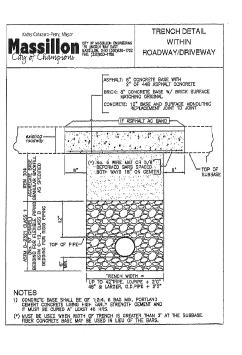
\$5 1/2"

Kathy Catazaro-Ferry Mayor

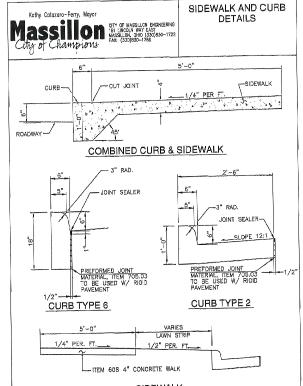
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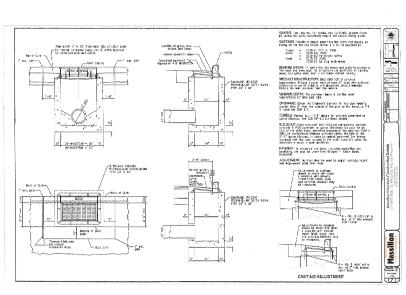
A-A





EJIW EAST







100 Camelot Drive Fond du Lac, WI 54935 920-926-9800 excelengineer.com

PROJECT INFORMATION

STARBUCKS & PANDA EXPRESS LINCOLN WAY E • MASSILLON, OH 44646 PROPOSED DEVELOPMENT FOR:

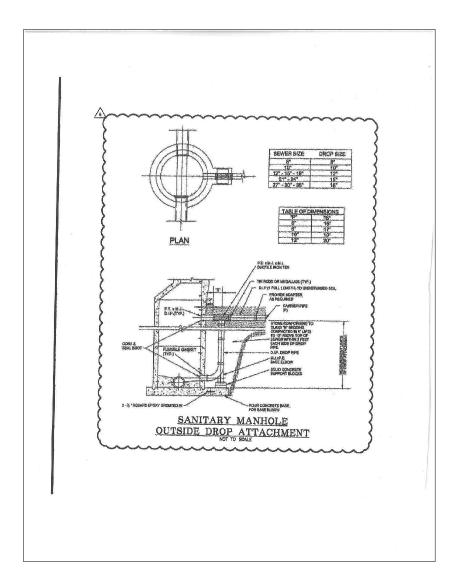
PRELIMINARY DATES

JAN. 20, 2023

MAR. 24, 2023

JOB NUMBER 2178020

C2.6



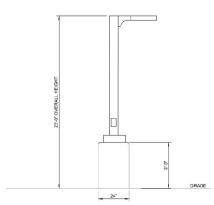




Order	ing Informa	ition	EXA	MPLE: DSX1 LED F	P7 40K 70CRI T3N	MVOLT	SPA NLT	AIR2 PIRHN DDI
DSX1 LED								
Series	LED	Cobr temperatum ¹	Color Rendering Index ¹	Distribution		Voltage		Mounting
DENTILED	Ferward optics P1 F6 P2 F7 P3 F8 P4 F9 P5 Recated optics P11 F13*	(this section 70KH only) 30X 31D0K 40X 40BK 50X 50D0K (this section 80KH only, extended lead times apply) 21X 270K 30X 30D0K 36X 55D0K 40X 40BK 50X 50D0K	76CH 76CH 76CH 76CH 86CH 86CH 86CH 86CH 86CH	AFR Autorobefoot no TIS lipe hot TIM lipe I ned um TIM lipe I ned um TIM lipe I medium TIM lipe I lined um TIM lipe Novelum TIM forward brown ned um	1966 lper Vinedian 1966 lper Vine glae 1967 lper Vine glae 1967 lper liberlight commit ECO Let comer confil 8000 Right corner confil	HYOUT 3	201-2770)* 429-4301)** 779-4804)**	Shipped in challed SPA Square ope main 18 officially SPA Round pult mount (16 official) SPAS Square ope main 15 official SPAS Square ope main 15 official SPAS Square ages open 15 official SPAS Square ages open 15 official

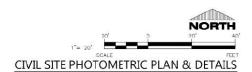
Slippe di natalled akiyin JR gen i enable dei hisi-ena akiyin JR gen i enable dei hisi-ena akiyin JR gen i enable dei hisi-ena akiyin JR gen i enable di gen ili. High len i enable di gen ili. Alian i enable di gen ili.	t, arbiert HO Felf algostolerostput ** BL30 Bi-lee' contach d'arming 30% ** BL50 Bi-lee' contach d'arming 30% ** BL50 Bi-lee' contach d'arming 30% ** BL60 Settled farming	Shipped installed SPDSKY 26/1 usep-patedom HS feetersky sheld block first's standard) 150 left mated option 160 byte research sylvis 160 byte research sylvis 160 control (Constitution in Shipped separately) 160 beneau (Constitution in 160	DMHIDD White DDBTXD Tentired dark sonite DBLBXD Tentired black DMATXD Tentired national alons

LITHONIA	One Lithonia Way • Conyers, Georgia 30042 • Planne: -800-705-5EPV (7376) • www.lithunia.com 0.7011-7022 Apath Branch Lighting, Inc. All rights reserved.	DS21-LED Rev. 11/10/23 Page 1 of 10
		ragar in to



	7									
Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Wattag
	L14	3	Lithonia Lighting	DSX1 LED P6 40K 80CRI T4M	D-Series Size 1 Area Luminaire P6 Performance Package 4000K CCT 80 CRI Type 4 Medium	1	19126	0.9	165.25	
-	L24	2	Lithonia Lighting	DSX1 LED P6 40K 80CRI T4M	D-Series Size 1 Area Luminaire P6 Performance Package 4000K CCT 80 CRI Type 4 Medium	1	19126	0.9	330.5	
	WP2	1	Lithonia Lighting	WST LED P2 30K VW MVOLT	WST LED, Performance package 2, 3000 K, visual comfort wide, MVOLT	1	3276	0.9	25	
0	C16	16	LEDRA BRANDS	NU3-RAPH-SW-16LM- 27K-90CRI-D50	NU3 Round Adjustable Pinhole Static White 50D,No Accessory	1	1084	0.9	12.5	
	WP3	1	GAMA SONIC	GS-101PIR-G	8W LED SOLAR SECURITY LIGHT	1	860	0.9	8	
	L14H	4	Lithonia Lighting	DSX1 LED P6 40K 80CRI T4M HS	D-Series Size 1 Area Luminaire P6 Performance Package 4000K CCT 80 CRI Type 4 Medium Houseside Shield	1	16453	0,9	165,2497	

Statistics						
Description	Symbol	Avg	Max		Max/Min	Avg/Mir
Calc Zone #3	+	1.1 fc	18.5 fc	0.0 fc	N/A	N/A
PARKING LOT	Ж.	2.1 fc	15.4 fc	0.5 fc	30.8:1	4.2:1





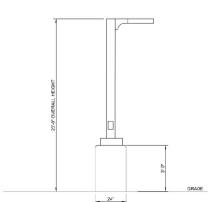
PROJECT INFORMATION

STARBUCKS & PANDA EXPRESS LINCOLN WAY E • MASSILLON, OH 44646

			Color Rendering Index ¹	Distribution		Voltage	
DOXILED	Ferward optics P1 F6 P2 F7 P3 F8 P4 F9 P5 Re-acted optics P91' F12' P11' F13'	(this section ZOCR only) 100 ICOUN 400 ICOUN 400 ICOUN 600 ICOUN (this section BOCR only, extended leaf times appli) 204 ZOCK 100 ICOUN	76CH 76CH 76CH 86CH 86CH 86CH 86CH 86CH 86CH	TIS light hart TIM light nedum TIM light nedum TIM light limedum B TIM light limedum B TIM light Nedum	1946 - Type Vine glane 1946 - Type Vine glane 1947 -	MAGET (2004-2770)* HFDLT (3478-4800)* XYACT (2779-4804)*	Shipped ir clas SPA Square (18 dr. (18 dr. (18 dr. SPAS Square F5 drl SPASN Square F5 drl SPASN Square MEA Vall b

Skipped install NITARZ PRBHI PIR PIR PIRS	ed oligip / Rig m. Zendichakih la-cel moton / a tibera sensot. I-di/marting heigh, aribert sensor acided d 25°. 1.5°. 1.5° 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	PERZY FAO BLSO BLSO DWG	Sover-pin morpusitron's Econtrols ordered Spaniel *** Bill Jedes Southeld disturing 30% 3/11 Bill Jedes Southeld disturing 3/11 Bill Southeld S	Shipped is SP020KV HS L90 R90 CCE Shipped is EGS	ZBV surje priterdom Bosevikle shield Block firesh standard) ²² Jeft restand optics ³ Spetr instited optics ³ Spetral Constitution ²²	DORNO DRIAND DRIAND DRIAND DRIAND DRIBND DRIAND DRIAND DRIAND	Dark Bonze Black Manual Marrison White Best-red dark bester Best-red black Best-red valued alsomeson Best-red white





LIGHT POLE DETAIL
NO SCALE

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MAR.	24, 2023		MOITON BETONOON BETON
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JOB NUMBER 2178020

