EMH&T
Engineers, Surveyors, Planners, Scientists

June 23, 2015

Ms. Kimberly Shields, AICP
Planning/GIS Specialist
City of Grove City
4035 Broadway
Grove City, Ohio 43123
Subject: Mid-Ohio Food Bank New South Parking Lot
Control Number: 201506010035
Response Letter
EMHT #: 2015-0252

Dear Ms. Shields,

In response to the comments received from the City of Grove City on June 15, 2015, the plans have been modified as described herein.

Development Department

1. The parking setbacks listed on Sheet C0.0 should be updated as shown below and updated as plan sheets:
   - Front – 15'
   - Side – 10'
   - Rear – 10'

   Response: The parking setbacks have been updated as requested.

2. The landscape plan as indicated in the note on Sheet C0.0 will need to be submitted with revised plans. The landscape plan will need to show details for all proposed landscaping including perimeter parking lot landscaping, landscaping within parking peninsulas, and details on the raised garden beds (referred to on Sheet C2.0).

   Response: The landscape plan has been included in this submission.

3. A photometric plan should be submitted showing that all portions of the parking lot meet the 0.5 footcandle minimum.

   Response: A photometric plan has been included in this submission.

4. Details (cut sheets) should be submitted for proposed lighting fixtures. Fixtures should match those on the main Mid-Ohio Food Bank site.

   Response: Lighting fixture details have been included on the photometric plan as requested.

Building Division

No comments received.

Urban Forestry

5. 1136.05(b): A landscape plan needs to be provided.

   Response: A landscape plan has been provided in this submission.

Service Department

6. Pedestrian connectivity needs to be provided from the new parking lot to the existing building. Solar powered flashing pedestrian crossing signs shall be installed in the ROW to caution drivers of the crossing.

   Response: A pedestrian crossing with solar powered signs has been added to the plans.

7. Since the site is over one acre a SWPPP plan will need to be provided for the site. The storm water management plan will need to address both water quantity and water quality per OEPA requirements.

   Response: Noted. The construction plan with comply.

Engineering, Hockaden & Associates

8. FEMA Note "A" Sheet C0.0 references a Flood Insurance Rate Map with effective date August 2, 1995. Most recent map is 39049C0318K with effective date 6/17/2008. Note should be revised as necessary.

   Response: The FEMA note has been revised.

9. Recorded instrument numbers should be shown where existing easements are specified to ensure that they have been recorded.

   Response: Record information has been added to existing easements as requested.

10. It should be noted that no handicap accessible parking stalls are proposed apparently for the south or north parking lots. Additional handicap parking stalls will be required for the north parking lot near building entrances per ADA regulations.

    Response: The property currently has 214 existing automobile parking spaces including 8 accessible spaces. The proposed parking improvements for the opposite side of Brookham Drive include an additional 112 spaces. A total of 326 parking spaces requires 8 accessible spaces (1 van) which is provided in the existing parking lot adjacent to the building.

11. Centerline entrance to site from Brookham Drive should line up with existing centerline entrance to the north.

    Response: The entrance drive location has been revised to line up with the existing entrance and to provide a better pedestrian crossing.

Grove City Division of Police

No comments received.

Jackson Township Fire Department

No comments received.

Should you have any questions or require additional information, please do not hesitate to contact me directly at (614) 775-4373.

Sincerely,

EVANS, MECHWART, HAMBLETON & TILTON, INC.

Jessica Chouteau, PE
Project Engineer

Enclosures: Revised Development Plan 24"x36" (20 copies)

cc: Sharon Grunwell Mid-Ohio Food Bank (via email)

J:\20150252\Correspondence\Letters\2015-06-23 Development Plan Response Letter Shields.docx

Grove City, Franklin County, Ohio
Development Plan
FOR
MOFB
South Parking Lot
2015

NOTES:

NOTE "A": The project is in the Flood Hazard Zone X (Areas determined to be outside of the 500–Year flood plain) by the Federal Emergency Management Agency on Flood Insurace Rate Map, Community Panel No. 3904900318K, With an effective date of June 17, 2008 in Franklin County, Ohio. No field surveying was performed to determine this zone.

NOTE "B": The private parking lots constructed within the development shall meet the minimum widths as per the city code.

NOTE "C": Stormwater facilities will be in accordance with Section 1101.05 (G). All on and off–site drainage requirements for the development will be designed to the satisfaction of the City of Grove City.

NOTE "D": All parking lot striping shall be white.

NOTE "E": As per Section 1136.08, all service structures must be screened.

NOTE "F": Unless otherwise noted hereon, all applicable Grove City Standard Construction shall be required.

SHEET INDEX

TITTLE SHEET	C0.0
EXISTING CONDITIONS	C0.1
STAKING PLAN	C1.0
SITE DETAILS	C1.1
SITE DETAILS – GROVE CITY	C1.2
GRADING PLAN	C2.1
SEDIMENT & EROSION CONTROL PLAN	C2.2
PHOTOMETRIC PLAN	C3.0
Landscaping Plan	LP1

PROJECT DESCRIPTION:

The existing 1.391 acre site (1.31 acres to be disturbed) is an existing field. Mid–Ohio Foodbank is to construct an overflow parking lot on this site. Incorporating an edible garden and permeable pavers.

SITE STATISTICS:

Total Acreage:	1.391 Acres
Disturbed Area:	1.31 Acres
Zoning:	IND–2
Proposed Use:	Overflow Parking
Provided	112 spaces

The premise covered by this plan has been surveyed, is accurate and correct, and the monuments when shown on the plat will be set in accordance with the City of Grove City Ordinance, Section 1101.051.

DEVELOPMENT AREA

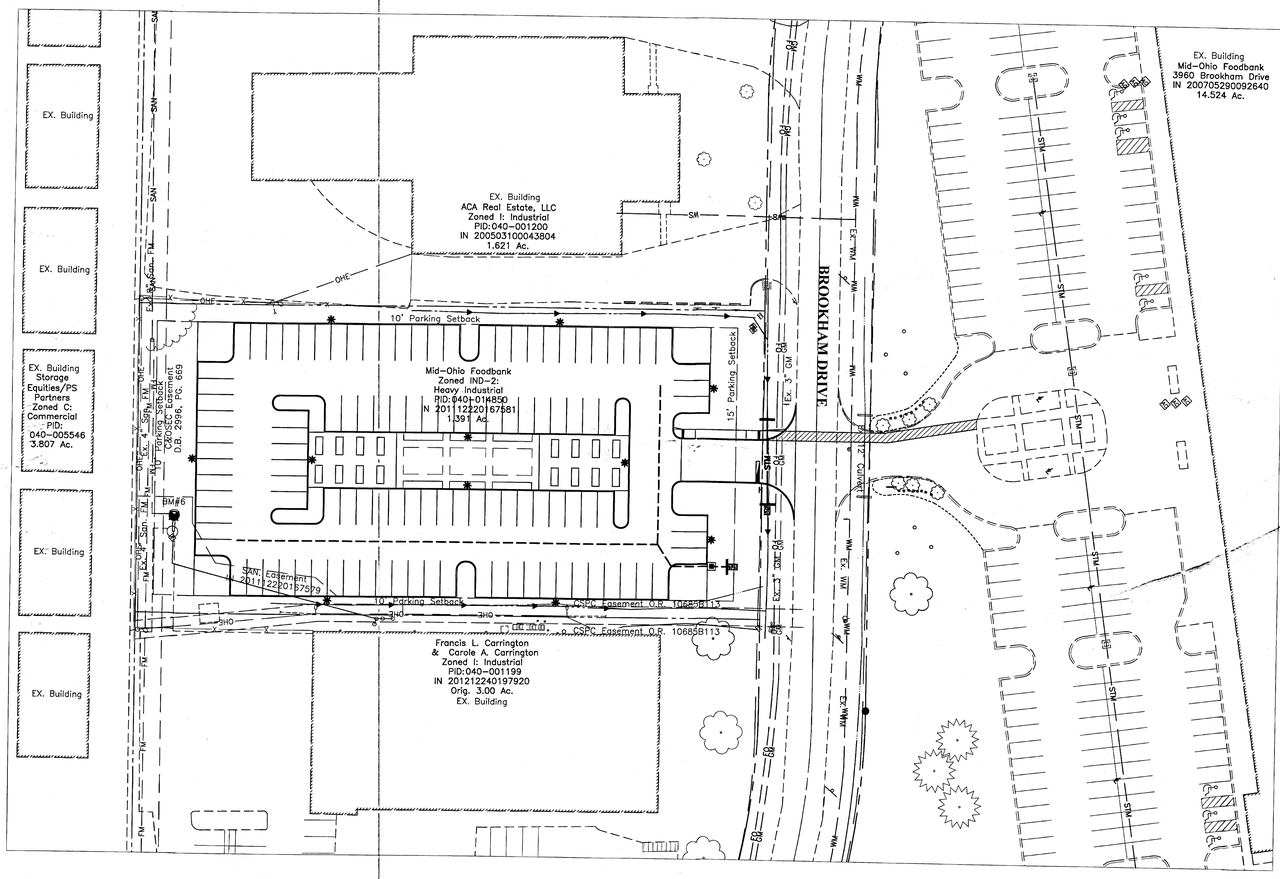
ZONING REQUIREMENTS:

Setbacks:

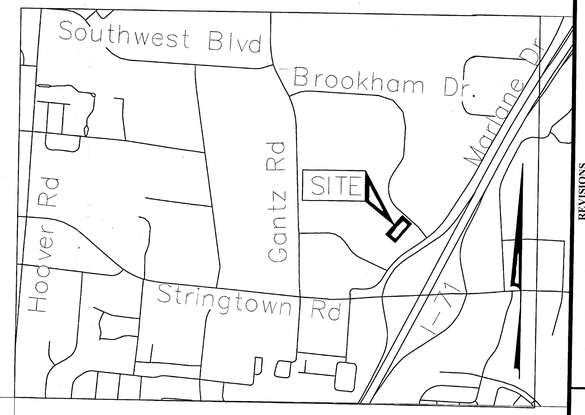
Parking:

Front:	15 Feet
Side:	10 Feet
Rear:	10 Feet

Maximum Lot Coverage by Building:	35% (Buildings Only)
Maximum Building Height:	35 Feet



INDEX MAP
Scale: 1" = 40'



LOCATION MAP
No Scale

NOTE:
ADA Parking Spaces Are Located in North Parking Lot Near Mid–Ohio Food Bank Entrances Per ADA Regulations. No Additional ADA Parking Spaces Required.

Approved By:

City Administrator, City of Grove City, Ohio

Service Director, City of Grove City, Ohio

Review for the City of Grove City, Ohio

Jackson Township Fire Department

OHIO Utilities Protection SERVICE
811 or 1-800-362-2764 Call Before You Dig

811 Know what's below. Call before you dig.

BENCH MARKS
(NAVD 1988)

BM#6 Chiseled "X" on the north rim of a sanitary lift station manhole located 50 feet northwest of the southwest building corner of 3965 Brookham Drive.

Elev. = 866.56

OWNER

Mid–Ohio Foodbank
3960 Brookham Drive
Grove City, Ohio 43123
Tel: (614) 274–7770
Fax: (614) 317–9608

GRAPHIC SCALE
0 20 40 80
1 inch = 40 feet

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
JUNE 23, 2015

PREPARED BY:

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll free: 888.775.3648
emht.com

STATE OF OHIO
JESSICA E. CHOUTEAU
E-73901
REGISTERED
PROFESSIONAL ENGINEER

Registered Engineer No. 73901 6/23/15
Date

MARK	DATE	DESCRIPTION

REVISIONS

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
TITTLE SHEET

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll free: 888.775.3648
emht.com

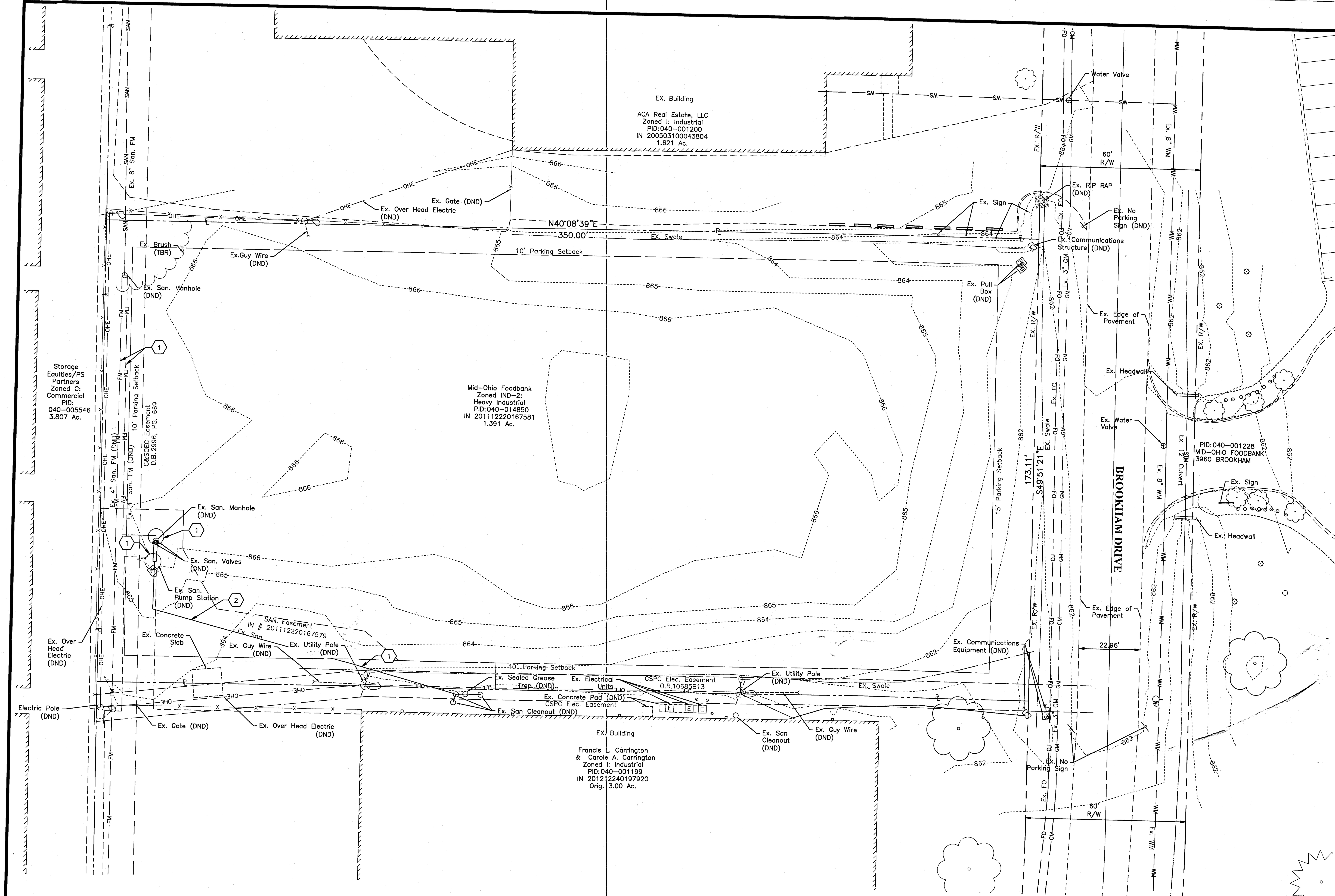
DATE
JUNE 23, 2015

SCALE
As Noted

JOB NO.
2015-0252

SHEET
C0.0

J:\2015\0252\Dwg\04Sheets\20150252-CS-TITL.dwg, Last Saved By: jelsele, 6/23/2015 7:14 AM Last Printed By: Elsele, Jeremy, 6/23/2015 7:29 AM
Xref: 20150252-TTL-SHEET



GRAPHIC SCALE

0 10 20 40

EXISTING

Curb	Sidewalk/Curb Ramp
Center Line Swale	Fence/Handrail
Water Main	Water Service
Domestic Water Service	Fire Water Service
Sanitary Sewer Main	Sanitary Sewer Service
Storm Sewer	Roof Drain
Underdrain	Underground Electric Service
Electric Duct Bank	Overhead Electric
Overhead Electric & Communications	Site Lighting
Communications Service	Communications Duct Bank
Natural Gas Main	Natural Gas Service
Tree Row	Ornamental Tree/Shrub
Deciduous/Evergreen Tree	
Catch Basin	Detectable Warning Plate
Curb & Gutter Inlet	Sign
Headwall w/ Rock Channel Protection	Wheel Block
Manhole	Handicap Pavement Symbol
Cleanout	Bollard
Fire Hydrant	Light Pole
Fire Department Connection	Transformer
Valve	Pull Box
Reducer	

CODED NOTES

1. Inspect and document sewer conditions prior to beginning work via C.C.T.V. Protect sewer during construction inspect and document sewer conditions at completion of construction to verify no damage to sewer. Provide CDs of each inspection to the owner upon completion of the work. Repair any damage caused during construction at no additional cost to the owner.
2. Verify location and depth of sanitary sewer service prior to ordering any materials for the project. Provide information to the engineer to determine its affects on design.

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
JUNE 23, 2015

J:\20150252\Dwg\04Sheets\20150252-CS-Exst.dwg, Last Saved By: jeisele, 6/23/2015 7:10 AM Last Printed By: Eisele, Jeremy, 6/23/2015 7:29 AM
3 Xrefs: 20150252-CS-REFER-E, 20150252-TTL-BLCK., 20150252-CS-PROP-9X20PS-N

MARK	DATE	DESCRIPTION
REVISIONS		

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
Existing Conditions

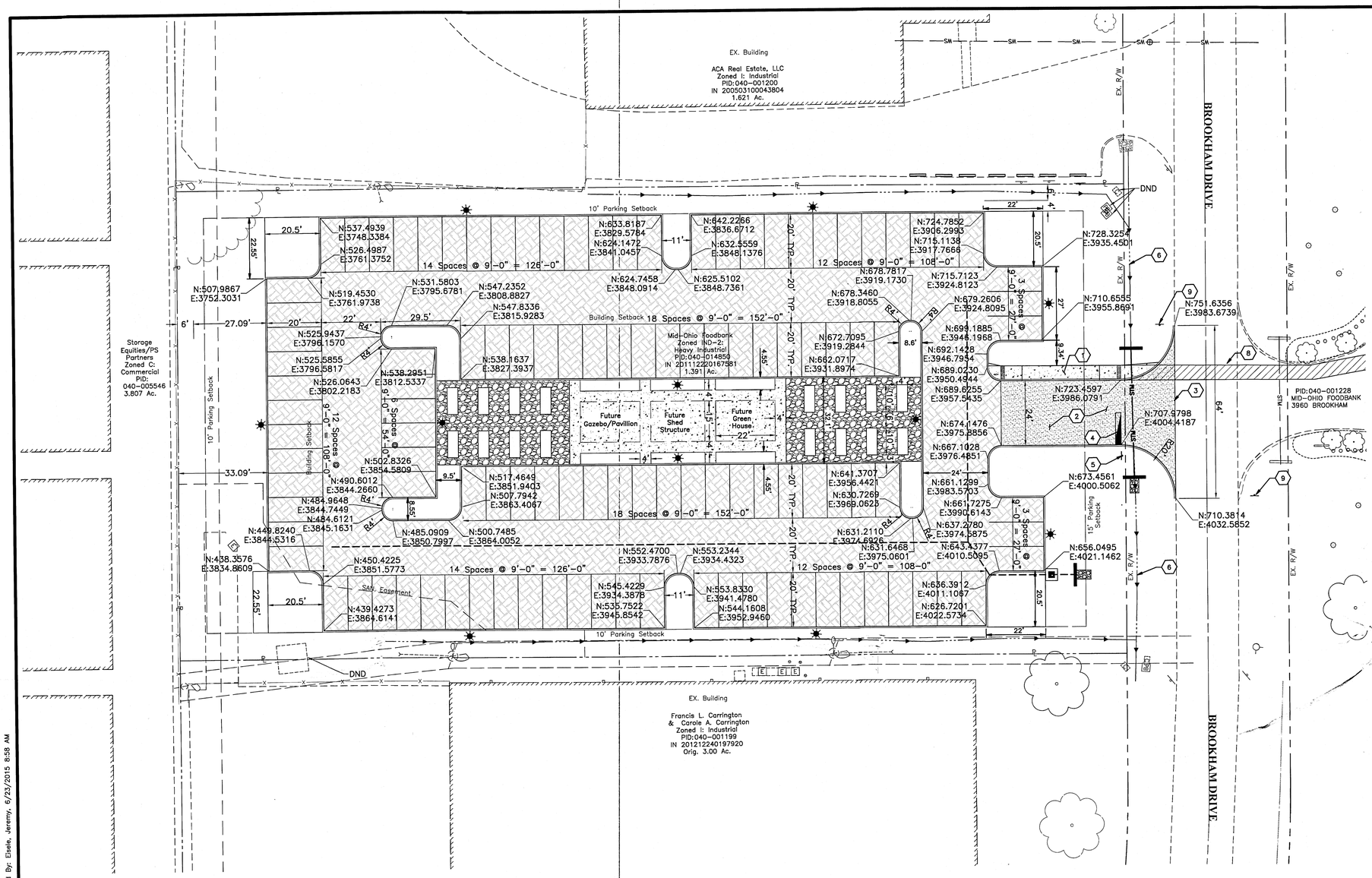
EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE: JUNE 23, 2015

SCALE: 1" = 20'

JOB NO.: 2015-0252

SHEET: C0.1



GRAPHIC SCALE

0 10 20 40

LEGEND

EXISTING

- Centerline
- Property Line
- Right-of-Way
- Easement
- Building Wall
- Curb & Gutter
- Edge of Pavement
- Edge of Shoulder
- Sidewalk
- Edge of Creek
- Ditch Centerline
- Fence
- Edge of Trees/Brush
- Trees
- Light Pole
- Sign
- Power Pole
- Flag Pole
- Signal Pole

PROPOSED

- Centerline Pavement
- Curb per C1.1
- #57 Washed Gravel
- Concrete Sidewalk per C1.2
- Heavy Duty Concrete Pavement per C1.2
- Permeable Paver Parking Surface per C1.2
- Sign per C1.1

* Not all symbols or linetypes necessarily used

GENERAL NOTES

1. All radii are 5'-0" unless otherwise noted.
2. All standard parking stalls are 9' wide by 20' deep unless otherwise noted.
3. All coordinates and dimensions are to face of building, edge of pavement, or face of curb unless otherwise noted.
4. Protect all existing pavement, utilities, buildings and other site features to remain. Replace any damage to the satisfaction of Mid Ohio Food Bank at no additional cost.
5. The Contractor is responsible for the investigation, location, support, protection, and restoration of all existing utilities and appurtenances whether shown on these plans or not. The Contractor shall expose all utilities or structures prior to construction to verify the vertical and horizontal effect on the proposed construction.
6. Add 685,000 to all Northing coordinates and 1,810,000 to all Easting coordinates to obtain project coordinates.
7. Underground utilities have not been shown for clarity. Refer to other sheets for utility locations.
8. Provide isolation joint per Detail G/C1.1 where new concrete abuts existing concrete or proposed structures.
9. Provide 4-inch wide, white paint lines for all parking lot striping per ODOT Item 642 without glass beads. Provide a minimum of two coats.
10. The Contractor is responsible for construction fencing, construction traffic and maintenance of vehicular and pedestrian traffic around the project site. The Contractor is responsible to provide lights, signs, barricades, and other devices to warn and physically separate the pedestrians and vehicular traffic from the hazards of the construction and demolition operations. The Contractor shall be responsible for the protection and safe movement of pedestrians through, around, or detoured away from the construction site. The Contractor shall protect pedestrian and vehicular traffic from construction traffic at all times during the project.
11. All structures are prefabricated as can be acquired from Lowe's, Home depot, Etc. No foundations will be required . Structures will rest on slab on grade. Structures will be acquired as budget permits.

CODED NOTES

1. Five (5) foot wide sidewalk, refer to detail sheet C1.1
2. Driveway entrance and new curb refer to sheet C1.2 for details.
3. Sawcut existing edge of pavement for concrete approach tie in.
4. Provide 24-inch wide white traffic paint stop bag as shown per ODOT item 642with glass beads.
5. Install Stop Sign for out going traffic, Refer to detail sheet C1.1
6. Restore/relocate swale for drainage as necessary
7. Install culvert/Headwall for concrete approach, Refer to detail sheet C1.2
8. Pedestrian Crosswalk as shown per ODOT item 642
9. Flashing Pedestrian Walking Sign

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
JUNE 23, 2015

REVISIONS

MARK	DATE	DESCRIPTION

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
STAKING PLAN

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll free: 888.775.3648
emht.com

DATE
JUNE 23, 2015

SCALE
1" = 20'

JOB NO.
2015-0252

SHEET
C1.0

J:\2015025\2\Dwg\04Sheets\20150252-STAK-001.dwg, Last Saved By: jeisele, 6/23/2015 8:58 AM Last Printed By: Eisele, Jeremy, 6/23/2015 8:58 AM
Xrefs: 20150252-TTL-BLK 20150252-BASE-BLK 20150252-EX-BLDG-BOUNDARY

Permeable Interlocking Concrete Paver (PICP) Maintenance and Inspection

Inspection Item	Maintenance Procedures	Inspection Frequency
Agri–Drain Structure	Inspect and remove accumulated sediment after every 1" or greater storm event. Frequency should be increased when new developments tributary to the basin are in construction. Monitor ponding within structure and clean as necessary	Monthly or As Needed
Agri–Drain Structure	Remove and Clean all stop logs. Inspect and clean stop log channel and all rubber seals. Grease rubber seals per manufacturers specifications	Annually
Pavers & Joint Material	Vacuum surface, adjust vacuuming schedule per sediment loading and/or any sand deposits from winter	Every 6 Months
Pavers & Joint Material	Remove Snow with standard plow/snow blowing equipment; monitor ice on surface for reduced salt use than typically used on impervious pavement	Winter
Pavers & Joint Material	Inspect vegetation around PICP perimeter for cover & soil stability, repair/replant as necessary; Inspect and repair all paver deformations exceeding ½ in.; Repair pavers offset by more than ¼ in. above/below adjacent units or curbs, inlets, etc.; Repair cracked paver units impairing surface structural integrity; Check drain outfalls for free flow of water and outflow from observation well after a major storm.	Annually

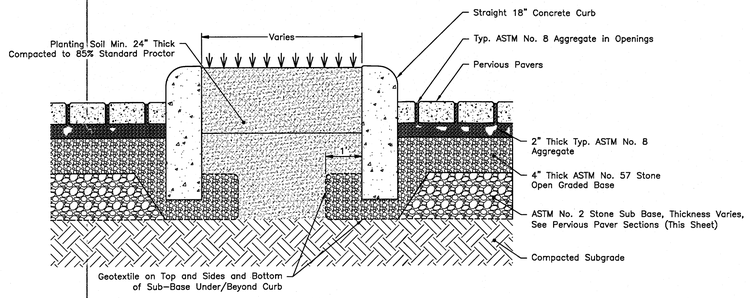
Periodic Inspections of the storm water control facilities at a frequency stipulated in the maintenance plan/schedule shall be recorded on a regular basis. Logs shall be kept for these inspections. Sample Log sheets are available in the City of Columbus Storm Water Drainage Manual, Appendix E. Logs shall be made available to the City of Columbus, Division of Sewers and Drains, Stormwater & Regulatory Management Section for inspection on an as needed basis.

Note:
Street cleaning (on an as–needed basis) is required through the duration of this construction project. This includes sweeping, power cleaning and (if necessary) manual removal of dirt or mud in the street gutters.

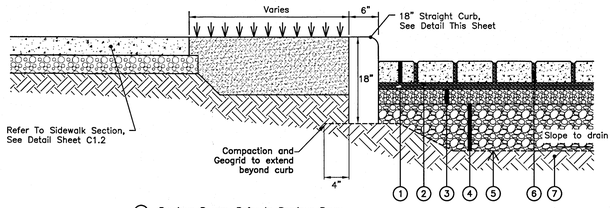
Note:
This plan must be posted onsite. A copy of the SWPPP plan and the approved EPA Stormwater Permit (with the site–specific NOI number) shall be kept onsite at all times.

OEPA NOI Permit –

A DETAIL
PICP MAINTENANCE AND INSPECTION (No Scale)

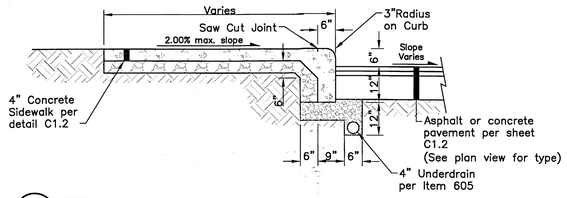


B DETAIL
PERVIOUS PAVER ISLAND (No Scale)

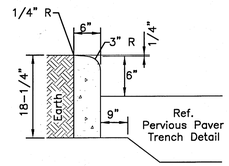


1. Pervious Pavers, Refer to Pervious Paver Specifications, Supplied with Site Plan
2. 2" Washed No.8 Stone
3. 4" Washed No.57 Stone
4. No.2 Stone Rolled with Vibratory Roller
5. Geotextile Fabric, ODOT 712.09 Type D Non–Woven
6. No.8 Aggregate in voids between pavers
7. Item 204, Subgrade Compaction

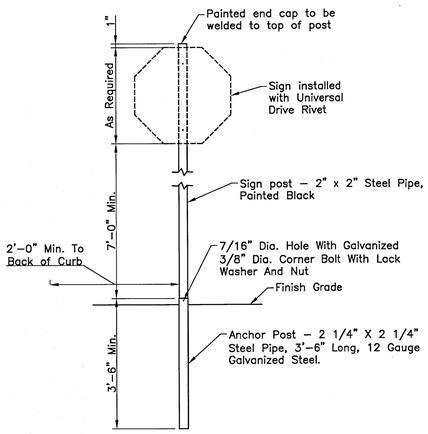
C DETAIL
PERVIOUS PAVER TRENCH (No Scale)



E DETAIL
FULL HEIGHT COMBINATION CONCRETE CURB & SIDEWALK (No Scale)



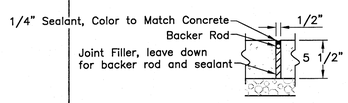
D DETAIL
CONCRETE CURB 18" CURB (PERVIOUS PAVER) (No Scale)



NOTES:
All regulatory Signs and Traffic Control Signs shall comply with Ohio Manual of Uniform Traffic Control Devices for Streets and Highways, State Requirements, and Local Requirements.

The support manufacturer shall certify that the sign posts, anchors, connections, and parts furnished meet all applicable Federal, State, and Local requirements for break away or yielding supports.

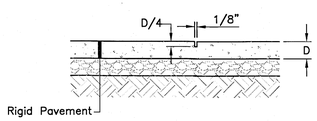
F DETAIL
TYPICAL SIGN POST AND SIGN (No Scale)



NOTES:

1. Place isolation joints where new concrete slab abuts existing and new concrete, buildings, catch basins, curbs or other fixed objects, and as noted on the staking plans.
2. Seal joint with polyurethane sealant, see section 32 13 00. Submit sample for color approval. Preformed expansion joint filler– non–impregnated type, closed cell resilient polyethylene foam, 1/2" thick unless otherwise noted.

G DETAIL
ISOLATION JOINT (No Scale)



H DETAIL
CONTROL JOINT (No Scale)

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
JUNE 23, 2015

REVISIONS

MARK	DATE	DESCRIPTION

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
SITE DETAILS

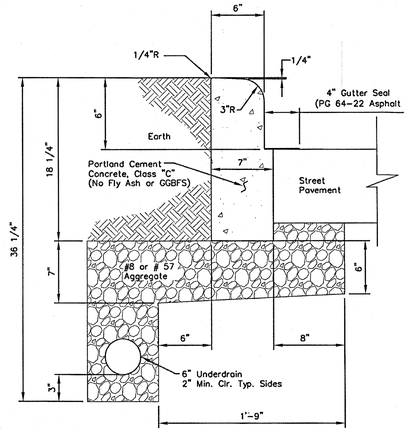
EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
JUNE 23, 2015

SCALE
NOT TO SCALE

JOB NO.
2015-0252

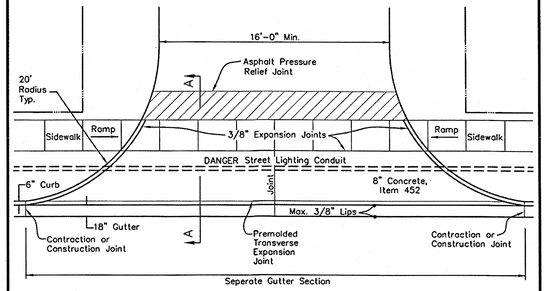
SHEET
C1.1



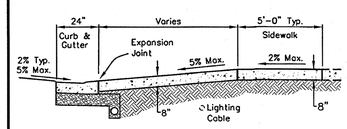
NOTES

1. All exposed surfaces of concrete curb to be floot finished.
2. Gutter seal payment shall be included in price bid per ton for item 448, asphalt concrete.
3. The letter "W" shall be imprinted into the curb directly opposite all water service boxes and the letter "M" shall be imprinted opposite all water line valves, including fire hydrant watch valves. Letters shall be 3 inches high and wide with 1/4-inch thick bars imprinted 1/2-inch into the face of the curb 2-1/2 inches above the gutter.

STRAIGHT 18" CONCRETE CURB	CITY OF GROVE CITY, OHIO	
	STANDARD CONSTRUCTION DRAWING	
	Effective Date 5-11-05	Revision Date 11-15-05	Dwg. No. C-GC-58



PLAN VIEW

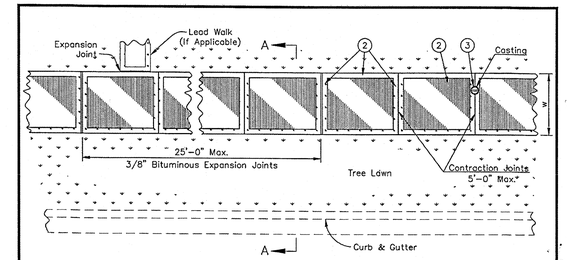


SECTION A-A t= 8" for approach & sidewalk

NOTES

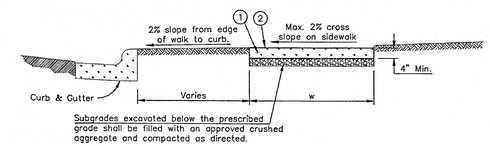
1. Concrete for driveway shall be ODOT Class "S", Air Entrained Concrete w/57 Limestone Aggregate and 715 lbs. of cement per C.Y., maximum 4" slump, broom finish with edge trowel. No Fly Ash or GGBFS in concrete. Contraction joints as shown, sawn not less than 3" deep.
2. Contractor is responsible for protecting adjacent driveway, sidewalk, underdrain, and street lighting cable and replacement of same if damaged due to Contractor's work.
3. See Sidewalk Detail Drawing C-GC-46 for joint spacing and Curb Ramp Drawings C-GC-43A, B, and C for Curb Ramp specifications.

STANDARD ALLEY/ACCESS ROAD APPROACH	CITY OF GROVE CITY, OHIO	
	STANDARD CONSTRUCTION DRAWING	
	Effective Date 10-31-05	Revision Date 11-15-05	Dwg. No. C-GC-41B



SIDEWALK PLAN

w= 4' for Residential & Collector
w= 5' for Arterial

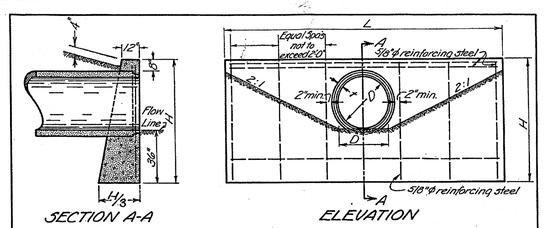


SECTION "A-A"

NOTES:

1. Sidewalks shall be constructed according to Item 608, CMSC, current edition.
2. All joints and edges to be tooled after broom finish.
3. All castings within sidewalk shall be set flush with concrete and bolted down.
4. All concrete shall be CMSC Class "C" with 6%, ±1%, air entrainment.

STANDARD DIMENSIONS FOR TYPICAL SIDEWALK DETAIL	CITY OF GROVE CITY, OHIO	
	STANDARD CONSTRUCTION DRAWING	
	Effective Date: 5-30-02		Dwg. No. C-GC-46

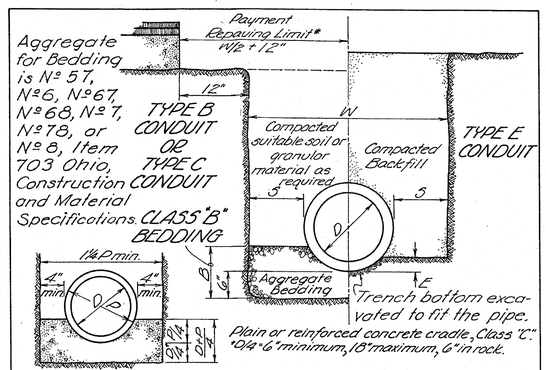


DIMENSIONS			QUANTITIES	
DIAMETER	H	L	CONCRETE CU. YDS.	REIN. STEEL LBS.
15"	5'-2"	7'-0"	1.7	41
18"	5'-5"	8'-4"	2.2	57
21"	5'-8"	9'-8"	2.8	62
24"	5'-11"	11'-0"	3.3	69
30"	6'-5"	13'-8"	4.7	92
36"	7'-0"	16'-4"	6.5	105

L = CIRCULAR SECTIONS = 5D + 4t
L = ELLIPTICAL OR PIPE-ARCH = 4.2 + 4t + S
H = CIRCULAR SECTIONS = D + t + 4.4"
H = ELLIPTICAL OR PIPE-ARCH = R + t + 4.4"
D = DIAMETER OF PIPE
R = RISE OF PIPE
S = SPAN OF PIPE
t = THICKNESS OF BARREL
L = LENGTH OF HEADWALL
H = HEIGHT OF HEADWALL

HEADWALL where required will be provided for nonskewed culverts having a diameter or rise of 36" or less.
CONCRETE shall be class "C".
REINFORCING STEEL BARS shall be no.5 round bars.
DIMENSIONS AND QUANTITIES are shown for circular sections only. It will be necessary to determine dimensions for the headwall required for reinforced elliptical concrete pipe or corrugated metal pipe arches in accordance with the equations listed on this drawing.

Approved 2-20-92 Date; City Engineer	PIPE HEADWALL	City of Grove City Ohio; Standard Construction Drawing; Rev. 7-17-15 C-GC-24



Plain or reinforced concrete cradle, Class "C."
*D/4 "6" minimum, 18" maximum, 6" in rock.

Pipe materials shall meet the specifications of the State of Ohio Department of Transportation or the City Engineer, City of Grove City.

*Minimum pavement replacement material shall be in the opinion of the Engineer, equal to that removed.

Inner Dia.	Outer Dia.	Trench Data in Inches				Inner Dia.	Outer Dia.	Trench Data in Inches				Inner Dia.	Outer Dia.	Trench Data in Inches			
D	P*	W max.	S max.	B min.	E min.	D	P*	W max.	S max.	B min.	E min.	D	P*	W max.	S max.	B min.	E min.
12	16	40	12	11	1¾	27	33½	63½	15	16¼	3½	60	72	120	24	27¾	7¼
14	18	42	12	11½	2	30	37	67	15	17¼	3¾	66	79	127	24	29¾	8
15	19½	43½	12	12	2	33	40½	70½	15	18¼	4¼	72	86	134	24	32	8¾
16	20½	44½	12	12¼	2¼	36	44	74	15	19¼	4½	78	93	141	24	34	9½
18	23	47	12	13	2½	42	51	81	15	21½	5¼	84	100	148	24	36	10
21	26½	50½	12	14	2¾	48	58	88	15	23½	6	90	107	155	24	38¼	10¾
24	30	54	12	15	3	54	65	95	15	25½	6½	96	114	162	24	40¼	11½

Approved 12-14-93 Date; City Engineer	TYPICAL TRENCH FOR CULVERT AND STORM SEWER	City of Grove City Ohio; Standard Construction Drawing; Rev. Sept. 9, 1974 C-GC-21

REVISIONS

MARK	DATE	DESCRIPTION

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
SITE DETAILS - GROVE CITY

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll free: 888.775.3648
emht.com

DATE
JUNE 23, 2015

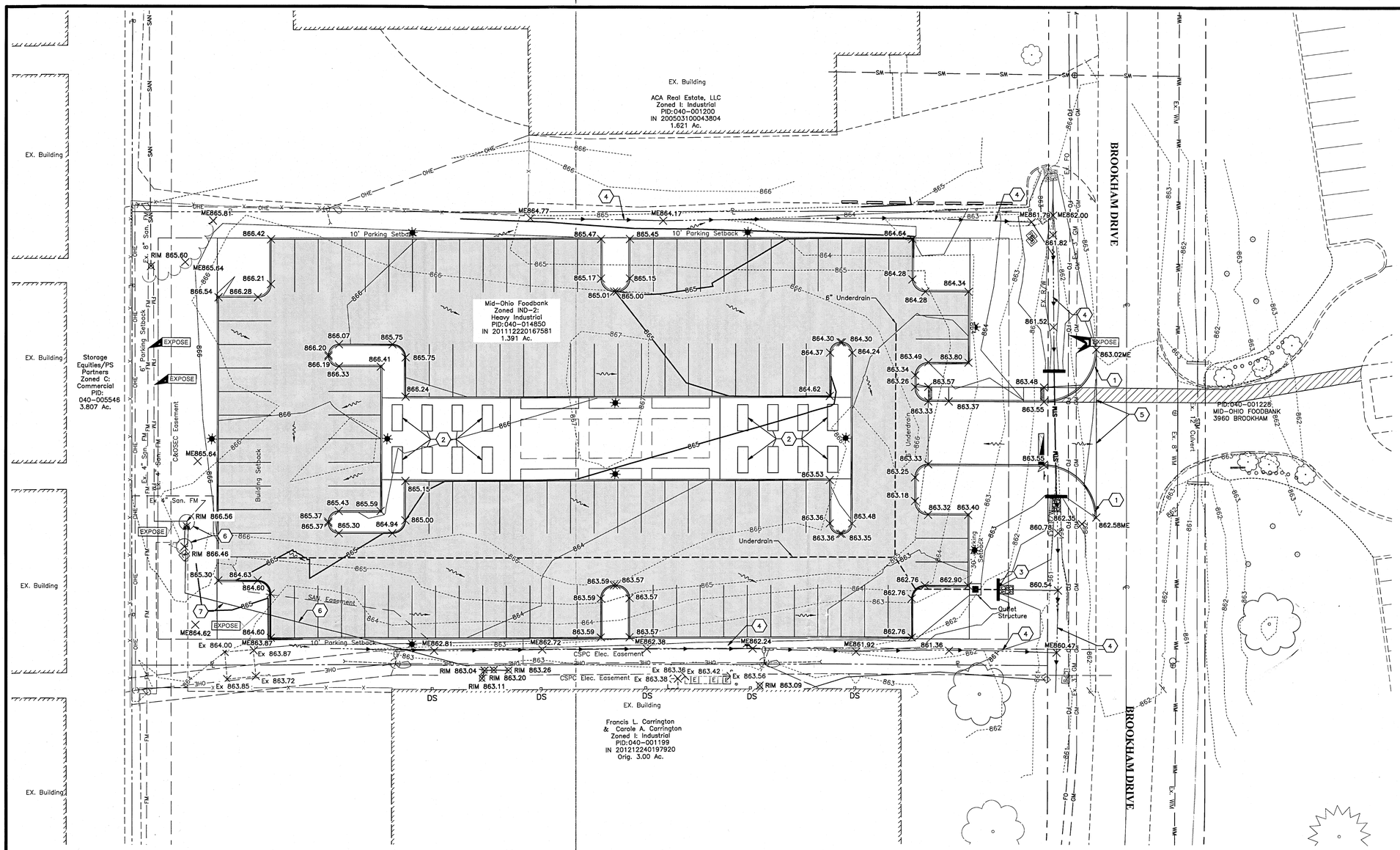
SCALE
NOT TO SCALE

JOB NO.
2015-0252

SHEET
C1.2

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
JUNE 23, 2015



NOTE:

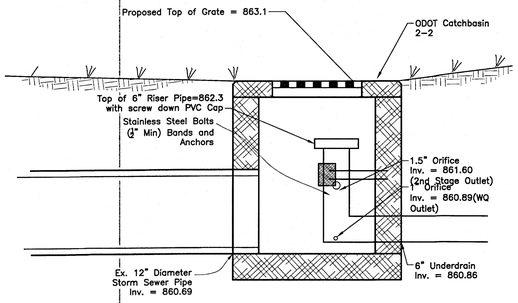
Utility locations are for reference only. Expose symbol used to show unknown underground utility locations.

LEGEND

984 / 985	Existing Contours
984 / 985	Proposed Contours
× 986.00	Proposed Spot Elevation
× RIM 986.00	Proposed Rim Elevation
× 986.00 ME	Match Existing Elevation
	Major Flood Routing
	Runoff Direction Arrow
0.5% 4:1	Slope Label
DS	Downspout
EXISTING	
GM	Gas Main
OHE–OHC	Overhead Electric & Communications
SAN	Sanitary Sewer
STM	Storm Sewer
PROPOSED	
C	Underground Comm.
GM	Gas Service
E	Electric
SAN	Sanitary Sewer
SAS	Sanitary Sewer Service
STM	Storm Sewer
RD	Roof Drain
DWS	Domestic Water Service
FPM	Fire Protection Main
FWS	Fire Water Service
WS	Water Service
	Storm Detention Area

GENERAL NOTES

1. Protect all horizontal and vertical control points from construction damage.
2. Where potential grade conflicts might occur with existing utilities and at locations noted thus, EXPOSE, the Contractor will be required to uncover such utilities sufficiently in advance of laying pipe or duct and provide the Engineer the location and elevation of said utility so the Engineer can determine if any adjustments are necessary.
3. All spot elevations are finished pavement grades unless noted otherwise.
4. Maximum cross slope on sidewalks.
5. Extend underdrains or structure drains to nearest storm structure. Slope to drain.
6. Provide a minimum of 2'–6" cover on all storm sewers and underdrains.
7. Provide 6" of topsoil and seeding on all areas disturbed by construction.
8. Electrical, communications, and lighting lines shown for reference only. Refer to specific discipline sheets for each scope of work.
9. Protect existing pavement, utilities, and other site features to remain. Replace any damage to the satisfaction of the Owner at no additional cost.
10. Remove all excess soils and dispose off–site in accordance with local codes.
11. To determine top of curb elevations add 0.5' to bottom of curb elevations.
12. Contractor to record all methods, areas, and depths of soil stabilization (i.e. lime stabilization) performed on site. Record to be given to Owner upon completion of the project.



OUTLET STRUCTURE DETAIL

Scale: None

CODED NOTES

1. Transition curb from full height to flush condition
2. Raised Garden Beds Refer to Landscape plans
3. Storm Water Outlet to Ditch
4. Swale
5. Tie into existing road – grinding may be required for smooth transition.
6. Inspect and document sewer conditions prior to beginning work via C.C.T.V. Protect sewer during construction inspect and document sewer conditions at completion of construction to verify no damage to sewer. Provide CDs of each inspection to the owner upon completion of the work. Repair any damage caused during construction at no additional cost to the owner.
7. Verify location and depth of sanitary sewer service prior to ordering any materials for the project. Provide information to the engineer to determine its affects on design.

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
JUNE 23, 2015

REVISIONS

MARK	DATE	DESCRIPTION

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
GRADING PLAN

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

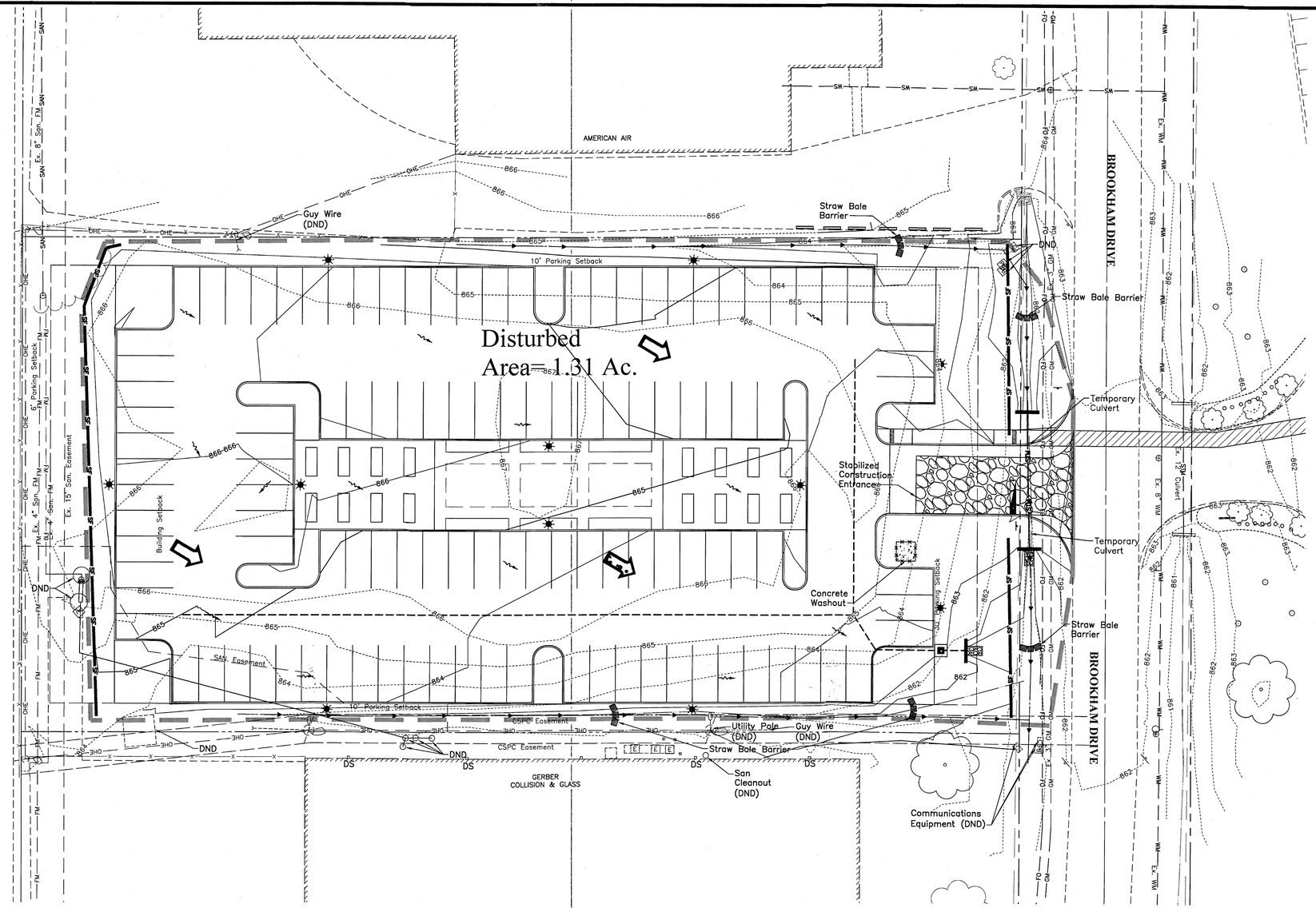
DATE: JUNE 23, 2015

SCALE: 1" = 20'

JOB NO.: 2015-0252

SHEET: C2.0

d:\2015025\2\Dwg\04Sheets\20150252-CS-Grading-9X20PS-E.dwg, Last Saved By: jelsele, 6/23/2015 8:06 AM Last Printed By: Elsele, Jeremy, 6/23/2015 8:06 AM
3 Xrefs: 20150252-CS-REFR-E, 20150252-TTL-BLK, 20150252-CS-PROP-9X20PS-N



GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

LEGEND
PROPOSED

Sediment Fence per Detail C2.2	SF SF SF
Grading/Seeding Limits	
Concrete Washout per Detail C2.2	
Straw Bale Barrier per Detail C2.2	
Construction Entrance per Detail C2.2	
Overland Flow Direction	

SITE NARRATIVE

PLAN DESIGNER: EMH&T, Inc.
5500 New Albany Road
Columbus, Ohio 43054
Phone: 614–775–4500
Fax: 614–775–4800

OWNER: Mid–Ohio Foodbank
3960 Brookham Drive
Grove City, OH 43123
Phone: (614) 274–7770

DEVELOPER:

PROJECT DESCRIPTION: The project consists of a new parking lot with 112 spaces and associated drive isles, and pervious pavers.

EXISTING SITE CONDITIONS: An estimated 1.31 acres will be disturbed. The site is predominately grass areas that drain towards the north east of the site and to a swale along Brookham Drive to the South East.

ADJACENT AREAS: The site is bound by Brookham Drive to the east and American air to the north Gerber Collision and Glass to the south and Public storage to the west.

SOILS:

SEDIMENT CONTROL MEASURES: Silt fence and check dams will be the primary controls used to manage the stormwater runoff during construction activities. Sediment fence will be installed as shown on the plan.

PERMANENT STABILIZATION: The site will be stabilized by the use of seeding.

MAINTENANCE: It is the Contractor's responsibility to maintain the sediment control features used on this project. The site shall be inspected at a minimum, once every seven days and within 24 hours of a 0.5" rainfall event or greater over a 24 hour period. Records of these inspections shall be kept and made available to jurisdictional agencies upon request. Any sediment or debris which has reduced the efficiency of a particular BMP installation shall be removed immediately. Should the volume of the Temporary Sediment Basins be reduced by half, accumulated sediment shall be removed and properly stabilized within the site. Should a BMP installation or other feature become damaged, the Contractor shall repair the damage or replace the BMP at no additional cost to the Owner. Not all details shown on this plan may be required for this project.

POST CONSTRUCTION MAINTENANCE: Long term maintenance will be the responsibility of the Owner. Long term maintenance includes, but is not limited to, keeping Pervious pavers and inlets free of debris that impedes free flow stormwater runoff.

Maintenance Procedures for the Pervious pavers shall be in accordance with the manufacturer's recommendations.

Prior to Construction Operations in a particular area, all sedimentation and erosion control BMP's shown on the erosion control plan and requested by the Owner and the Ohio EPA shall be in place. Field adjustments with respect to locations and dimensions may be made by the Engineer.

it may become necessary to remove portions of the perimeter controls during construction to facilitate the grading operations in certain areas. However, the barrier shall be in place in the evening or during any inclement weather.

The cost for temporary channels, sediment traps, and other appurtenant earthmoving operations shall be included in the price bid for erosion and sedimentation control quantities.

CONSTRUCTION SEQUENCE:

1. Install sediment and erosion control devices and measures.
2. Perform clearing and grubbing work.
3. Perform all earthwork & Site Improvements
4. Stabilize site.
5. Clean out silt and sediment from all structures.

OHIO EPA FACILITY PERMIT NUMBER: NONE

SITE CONTACT: Sharon L. Grunwell
Mid Ohio Food Bank
3960 Brookham Drive
Grove City, Ohio 43123
Phone: (614) 317–9420
Email: SGrunwell@Midohiofoodbank.ORG

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
JUNE 23, 2015

SEDIMENT AND EROSION CONTROL NOTES

MAINTENANCE: It is the Contractor's responsibility to maintain the sedimentation and erosion control features on this project. Any sediment or debris which has reduced the efficiency of a control shall be removed immediately. Should a structure or feature become damaged, the contractor shall repair or replace at no additional cost to the Owner.

INSPECTIONS:
The Contractor shall provide qualified personnel to conduct site inspections ensuring proper functionality of the erosion and sedimentation controls. All erosion and sedimentation controls are to be inspected once per every seven calendar days or within 24 hours of a .5" storm event or greater. Records of the site inspections shall be kept and made available to jurisdictional agencies if requested.

CONTRACTORS RESPONSIBILITIES:
Details have been provided on the plans in an effort to help the Contractor provide erosion and sedimentation control. The details shown on the plan shall be considered a minimum. Additional or alternate details may be found in the O.D.N.R. Manual "Rainwater and Land Development." The Contractor shall be solely responsible for providing necessary and adequate measures for proper control of erosion and sediment runoff from the site along with proper maintenance and inspection in compliance with the NPDES General Permit for Storm Discharges Associated with Construction Activity.

The Contractor shall provide a schedule of operations to the City. The schedule should include a sequence of the placement of the sedimentation and erosion control measures that provides for continual protection of the site throughout the earth moving activities.

Prior to Construction Operations in a particular area, all sedimentation and erosion control features shall be in place. Field adjustments with respect to locations and dimensions may be made by the City and the Ohio EPA.

The Contractor shall place inlet protection for the sedimentation control immediately after construction of the catch basins or inlets which are not tributary to a sediment basin or dam.

It may become necessary to remove portions of sedimentation controls during construction to facilitate the grading operations in certain areas. However, the controls shall be replaced upon completion of grading or during any inclement weather.

The Contractor shall be responsible to ensure that off–site tracking of sediments by vehicles and equipment is minimized. All such off–site sediment shall be cleaned up a minimum of twice daily.

The Contractor shall be responsible to ensure that no solid or liquid waste is discharged into storm water runoff. Untreated sediment–laden runoff shall not flow off of site without being directed through a control practice. Concrete trucks will not be allowed to wash out or discharge surplus concrete into or along–side rivers, streams, or creeks or into natural or man–made channels or swales leading thereto. Concrete wash water and surplus concrete shall be confined to approved areas; after solidifying, these waste materials shall be removed from the site.

REVISIONS

MARK	DATE	DESCRIPTION

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
SEDIMENT & EROSION CONTROL PLAN

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Fax: 614.775.4800
emht.com

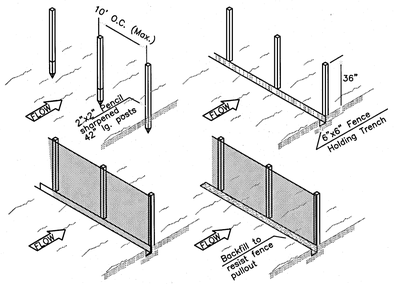
DATE: JUNE 23, 2015

SCALE: 1" = 20'

JOB NO.: 2015-0252

SHEET: C2.1

J:\2015\0252\Dwg\04Sheets\2015\0252-CS-EROS-CNTRL-001.dwg, Last Saved By: jelesle, 6/1/2015 1:40 PM Last Printed By: Elesle, Jeremy, 6/23/2015 7:31 AM
Xrefs: 2015\0252-CS-REFER-L, 2015\0252-TTL-BLOCK, 2015\0252-CS-PROP-9020P-N



Sediment fence fabric shall be ODOT, Type C Geotextile fabric or the equivalent to the following properties:

MATERIAL PROPERTIES

Maximum Tensile Strength	120 lbs
Maximum Elongation at 60 lbs.	50%
Minimum Puncture Strength	50 lbs
Minimum Tear Strength	40 lbs
Minimum Burst Strenght	200 psi
Apparent Opening Size	0.84 mm
Minimum Permeability	1 X 10 sec
Ultraviolet Exposure Strength Retention	70%

SEDIMENT FENCE:
This sediment barrier utilizes standard strength or extra strength synthetic filter fabrics. It is designed for situations in which only sheet or overland flows are expected. Material Properties are listed in the provided table.

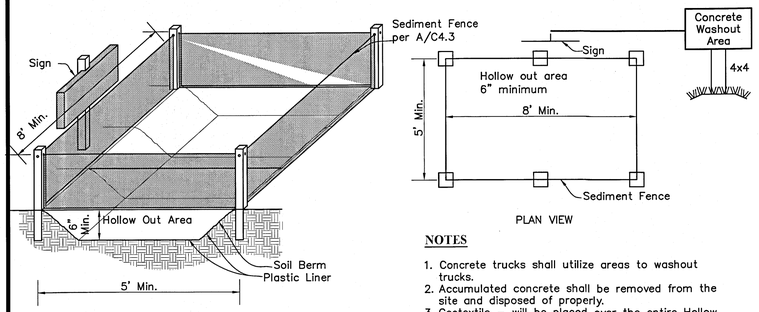
1. The height of a sediment fence shall not exceed 36–inches (higher fences may impound volumes of water sufficient to cause failure of the structure).
2. he filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum of a 6 inch overlap, and securely sealed.
3. Posts shall be spaced a maximum of 10 feet apart at the barrier location and driven securely into the ground (minimum of 12–inches). Wood posts will be a minimum of 32" long When extra strength fabric is used without the wire support fence, post spacing shall not exceed 6 feet.
4. A trench shall be excavated approximately 6–inches wide and 6–inches deep along the line of posts and upslope from the barrier.
5. When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least 1–inch long, tie wires or hog rings. The wire shall extend into the trench a minimum of 2–inches and shall not extend more than 36–inches above the original ground surface.
6. The standard strength filter fabric shall be stapled or wired to the fence, and 8–inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36–inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
7. When extra strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of Item No. 6 applying.
8. The trench shall be backfilled and soil compacted over the filter fabric.
9. Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.
10. To prevent water ponded by the silt fence from flowing around the ends, each end shall be constructed upslope so that the ends are at a higher elevation.

MAINTENANCE:
Sediment fence shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.

Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly.

Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one–half the height of the barrier. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.

Sediment Fence Detail (C-GC-74)
Not to Scale



NOTES

1. Concrete trucks shall utilize areas to washout trucks.
2. Accumulated concrete shall be removed from the site and disposed of properly.
3. Geotextile – will be placed over the entire Hollow Out Area prior to use.
4. Provide all items noted above including removal of concrete washout upon completion of the project in Item 207 Concrete Washout, As Per Plan.

CONCRETE WASHOUT AREA
Not to Scale

Contractor's Responsibilities:

Prior to Construction Operations in a particular area, all sedimentation and erosion control features shall be in place. Field adjustment with respect to locations may be made by the Engineer as requested.

Details have been provided on the plans in an effort to help the Contractor provide erosion and sedimentation control.

The details shown on the plan shall be considered a minimum. Additional or alternate details may be found in the O.D.N.R. Manual "Rainwater and Land Development." The Contractor shall be solely responsible for providing necessary and adequate measures for proper control of erosion and sediment runoff from the site along with proper maintenance and inspection in compliance with the NPDES General Permit for Storm Discharges Associated with Construction Activity.

Prior to Construction Operations in a particular area, all sedimentation and erosion control features shall be in place.

Field adjustments with respect to locations and dimensions may be made by the Engineer, Grove City and the Ohio EPA.

A temporary sediment basin must be provided for sites that shall have a common disturbed drainage area of ten acres or more. The temporary sediment basin shall remain in place until the site is permanently stabilized.

The Contractor shall place inlet protection for the sedimentation control immediately after the construction catch basins or inlets which are not tributary to a sediment basin or trap.

It may become necessary to remove portions of sedimentation controls during construction to facilitate the grading operations in certain areas. However, the controls shall be replaced upon grading or during any inclement weather.

The Contractor shall be responsible to have the current Storm Water Pollution Prevention Plan immediately available or posted on site.

The Contractor shall be responsible to ensure that off–site tracking of sediments by vehicles and equipment is minimized. All such off–site sediment shall be cleaned up daily.

The Contractor shall be responsible to ensure that no solid or liquid waste is discharged into storm water runoff. Untreated sediment–laden runoff shall not flow off of site without being directed through a control practice. Concrete trucks will not be allowed to wash out or discharge surplus concrete into or alongside rivers, streams, or creeks or into natural or man–made channels or swales leading thereto. Concrete wash water and surplus concrete shall be confined to approved areas; after solidifying, these waster materials shall be removed from the site.

The Contractor shall remove all temporary erosion and sedimentation controls upon permanent stabilization of the site.

The cost for temporary channels, sediment traps, sediment basins and other appurtenant earth–moving operations shall be included in the price bid for erosion and sedimentation quantities.

Estimated Quantities:

ODOT Item	Description	Quantity	Unit
207	Construction Seeding and Mulching		Square Yard
207	Sediment Basins & Traps		Cubic Yard
207	Riser Pipe for Sediment Basin		Linear Foot
207	Filter Fabric Fence		Linear Foot
207	Stabilized Construction Entrance		Cubic Yard
207	Bale Filter Dike		Linear Foot
207	Inlet Protection		Each

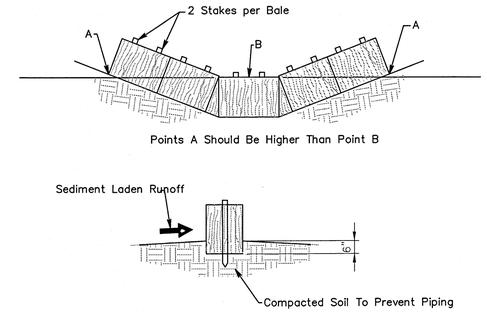
Note: Not all details indicated on the Erosion and Sedimentation Control features indicated on this sheet will be pertinent to this project. See the Erosion and Sedimentation Control Plan for features used.

Temporary and Permanent Seeding:

The limits of seeding and mulching are shown on the plan. Seeding has been assumed to be 5' outside the work limits or right–of–way, whichever is greater. All areas not designated to be seeded shall remain under natural ground cover. Those areas disturbed outside the seeding limits shall be seeded and mulched at the Contractor's expense.

"Temporary Seeding:" Disturbed areas that are to remain idle for more than 21 days shall be temporarily seeded and mulched within 7 days of the most recent disturbance of the area. Disturbed areas within 50 feet of a stream and not at final grade shall be stabilized within 2 days of the most recent disturbance. Disturbed areas that are to remain idle over the winter shall be stabilized prior to the onset of winter weather. Temporary seeding shall consist of fertilizing, watering, seeding and mulching at the rates indicated under the 659 Items. Seed shall be oats from December 1 to June 1 and annual rye from June 1 to December 1 or equivalents.

"Permanent Seeding:" Areas that are at final grade shall be permanently seeded within seven days of reaching final grade within that area. Areas at final grade within 50' of a stream shall be seeded within 2 days of reaching final grade. Areas that are to lie dormant for one year or more shall be seeded within seven days of the most recent disturbance. Permanent seeding shall be done between March 15 and September 15. If seeding is done between September 15 and March 15, it shall be classified as "Temporary Seeding." Permanent seed shall be 40% Kentucky Bluegrass, 40% Creeping Red Fescue, 20% Annual Ryegrass. Permanent seeding shall consist of fertilizing, watering, seeding and mulching at the rates indicated under the 659 items.



CHANNEL FLOW APPLICATIONS

1. Bales shall be placed in a single row, lengthwise, oriented perpendicular to the contour, with ends of adjacent bales tightly abutting one another.
2. Bales shall be keyed into the channel bottom a minimum of 6 inches.
3. The barrier shall be extended to such a length that the bottoms of the end bales are higher in elevation than the top of the lowest middle bale to assure that sediment–laden runoff will flow either through or over the barrier but not around it.

NOTE: Hay bales may be used in place of straw bales.

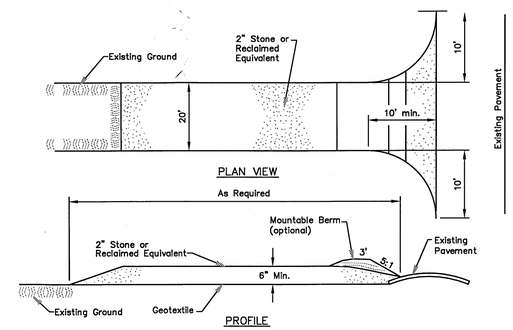
1. MAINTENANCE
2. Straw bales shall be inspected immediately after each rainfall and at least daily during prolonged rainfall.
3. Close attention shall be paid to the repair of damaged bales, end runs and undercutting
4. beneath bales.

Necessary repairs to barriers or replacement of bales shall be accomplished promptly.

Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one–half the height of the barrier.

Any sediment deposits remaining in place after the straw bale barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.

Straw Bale Barrier (C-CG-73)
Not to Scale



NOTES

1. Stone Size – Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length – As required.
3. Thickness – Not less than six (6) inches.
4. Width – Twenty (20) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Geotextile – will be placed over the entire area prior to placing of stone.
6. Surface Water – All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance – The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right–of–way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights–of–way must be removed immediately.
8. Washing – Wheels shall be cleaned to remove sediment prior to entrance onto public right–of–ways. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

Stabilized Construction Entrance (C-CG-75A)
Not to Scale

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
JUNE 23, 2015

REVISIONS

MARK	DATE	DESCRIPTION

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
SEDIMENT & EROSION CONTROL DETAILS

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
JUNE 23, 2015

SCALE
NOT TO SCALE

JOB NO.
2015-0252

SHEET
C2.2

J:\2015\0252\Dwg\04Sheets\20150252-CS-EROS-DETL.dwg, Last Saved By: jeisele, 6/1/2015 12:05 PM Last Printed By: Eisele, Jeremy, 6/23/2015 7:31 AM
1 Xref: 20150252-TTL-BLOK

LED lighting

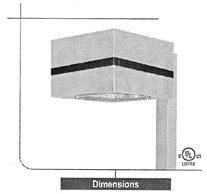
DECO digital™ lighting systems **D827-LED**

High Performance Area Luminaire

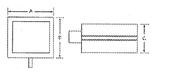
Transforming tomorrow's lighting....today!

Job Information
Type:
Catalog #:
Project:
Comments:
Prepared by:

INDUSTRY BEST 10 YEAR WARRANTY INCLUDES LABOR ALLOWANCE · LED lighting facts · Controls simple CONNECTED · Buy American Act COMPLIANT · DLC



Dimensions



Size	A	B	C	Stripe	Lbs
15	23"	23"	15"	2"	75

Description

For new construction or upgrades to existing sites, the D827 High Performance Area Luminaire offers you an extensive selection of energy-saving features designed to help improve the safety, security and overall image of any outdoor lighting area.

Features

- One-piece, precision sheared and formed housing, constructed using .080 gauge corrosion resistant aluminum, and stainless steel hardware.
- Hinged door assembly is removable, and constructed with one-piece .080 gauge, precision sheared and formed, corrosion resistant aluminum and captive stainless steel fasteners.
- Clear tempered flat glass is standard, and is held by galvanized lens retainers. Silicone gasket is supplied to help protect from the elements.
- Convex glass is optional on size 2, and standard on size 3.
- Powdercoated finish is baked to provide durability.
- Bolt-on mounting arm with an internal pole nut plate, secures two 1/2 inch bolts with stainless steel hardware is included. A round pole adapter is available (contact factory).
- DLC listed.

ORDERING INFORMATION:

Example: (D827-LED-240-50-UNV-PM-BM-WSF)

D827-LED – ___ – ___ – ___ – ___ – ___

Series: High Performance Area Luminaire

Wattage/Lumens:
80 - 80W/10160[1,2]
100 - 100W/12700[1,2]
125 - 127W/15240[1,2]
140 - 140W/17780[1,2]
160 - 160W/20320[1,2]
180 - 180W/22860[1,2]
200 - 200W/25400[1,2]
220 - 220W/27940[1,2]
240 - 240W/30480[1,2]
260 - 260W/33020[1,2]

Color Temp.: 41 - 4100K[3]; 50 - 5000K[3]

Voltage: UNV - 120-277V; 347 - 347V; 480 - 480V (Step Down Transformer used for 480V Divider)

Mounting: PM - Pole Mount; SM - Spider Mount

Stripe: BM - Blue Metallic; RO - Red Opaque; SM - Silver Metallic; GM - Gold Metallic; WO - White Opaque; BM - Black Metallic; CM - Charcoal Metallic; BLANK - No Strip

Options: PC - Photocell[4]; WSF - Wired Single Fuse[4]; WDF - Wired Double Fuse[4]; WG - Wire Guard; LS - Light Shield; CG - Convex Glass[5]

[1] Please specify voltage (eg. 120V)
[2] Size 2 only
[3] Initial Lumens delivered
[4] Standard Color temperature
[5] DLC Listed

DECO™ LIGHTING ©2013 Deco Lighting • "The Brand Name for Quality" • A division of Deco Enterprises, Inc.

LED Lighting DECO™ | LIGHTING

LED lighting

DECO digital™ lighting systems **D827-LED**

High Performance Area Luminaire

Transforming tomorrow's lighting....today!

Job Information
Type:
Catalog #:
Project:
Comments:
Prepared by:

Spider Mount

DECO™ LIGHTING ©2013 Deco Lighting • "The Brand Name for Quality" • A division of Deco Enterprises, Inc.

LED Lighting DECO™ | LIGHTING

LIGHTING NOTES

The street lighting shall be constructed in accordance with the current City of Columbus, Ohio Construction and Material Specifications (2012 Edition, Section 1001, titled "Street Lighting") together with the requirements of the City of Grove City including all supplements thereto, in force on the date of the contract, shall govern all materials and workmanship involved in the improvements shown on these plans, except as such specifications are modified by the following specifications or by the construction details.

Centerline of light pole concrete foundations to be placed in accordance with plan details, or as coordinated with the Engineer in the field.

No splices shall be made to circuit cable except at noted locations. See Section 1001.14 for splice kit requirements.

Where excavations occur alongside of curbs and sidewalks, the Contractor shall shore, brace, or support items in place so that they will not become dislodged or damaged. Any damaged curb or sidewalk shall be replaced by the Contractor at his own expense.

Where the trench is offset from the centerline of the foundations the conduit shall be directed toward the ell of the foundation at approximately 45 degree angles. The foundation ells may be aimed out of foundations at approximately 45 degree angles to facilitate connection to conduit with the least amount of bends.

The plan details shall be considered supplemental to MIS Specifications.

Pull boxes shall be located approximately where shown on plans with exact locations to be determined in the field after consideration is given to the location of utilities, pavements, and grades.

All underground lighting cables to be placed in 2" PVC conduit per MIS–15, MIS–17, and MIS–63.

The Contractor shall stake all street light foundation locations for review by the City of Grove City. Cost to be included in the various items.

Light poles shall be painted to match the existing light poles installed in the Mid–Ohio Food Bank parking lot on the other side of Brookham Drive. Luminaires shall be painted to match the light poles.

NOTE TO REVIEWER: EXISTING MID-OHIO FOOD BANK PARKING LOT LIGHT POLES WILL BE PROPOSED FOR THIS PROJECT FOR UNIFORMITY. EXISTING LIGHT POLE MANUFACTURER AND PART NUMBER IS CURRENTLY UNDER INVESTIGATION.

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE JUNE 23, 2015

PHOTOMETRIC SUMMARY (FOOT-CANDLES)

AVERAGE	MAXIMUM	MINIMUM	MAX:MIN	AVG:MIN
2.3	8.3	0.7	11.9:1	3.3:1

*LIGHT LOSS FACTOR OF 0.91 ASSUMED FOR LED FIXTURES.

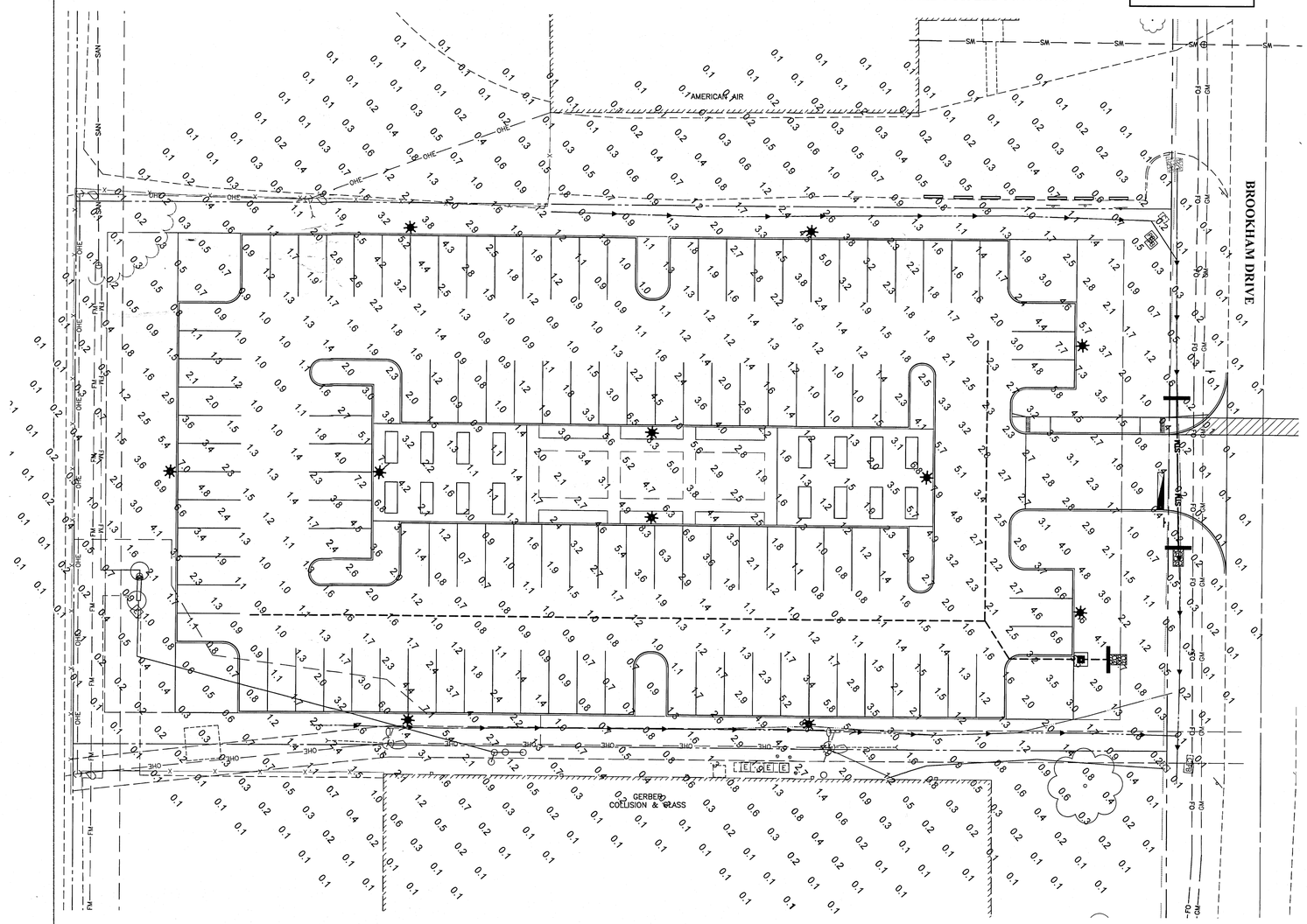
GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

LEGEND

✱ Proposed Light Pole



REVISIONS

MARK	DATE	DESCRIPTION

MID OHIO FOOD BANK

GROVE CITY, FRANKLIN COUNTY, OHIO
DEVELOPMENT PLAN
FOR
MOFB
NEW SOUTH PARKING LOT
PHOTOMETRIC PLAN

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Fax: 614.775.4800
emht.com

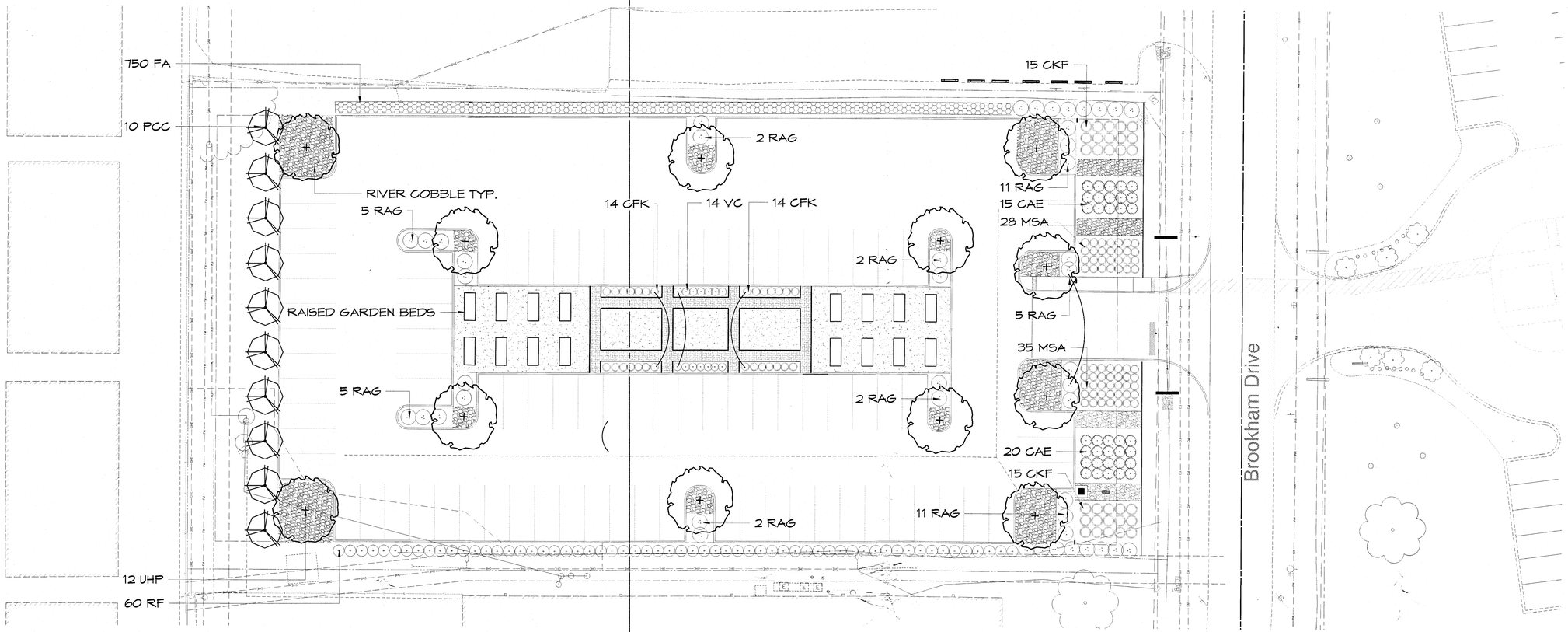
DATE: JUNE 23, 2015

SCALE: 1" = 20'

JOB NO.: 2015-0252

SHEET: C3.0

J:\2015\0252\Dwg\04Sheets\20150252-CL-LITE-001.dwg, Last Saved By: jajaele, 6/23/2015 7:08 AM Last Printed By: Eisele, Jeremy, 6/23/2015 7:32 AM
3 Xrefs: 20150252-CS-REFER-E, 20150252-TTL-BLOC, 20150252-CS-PROP-9x20PS-N

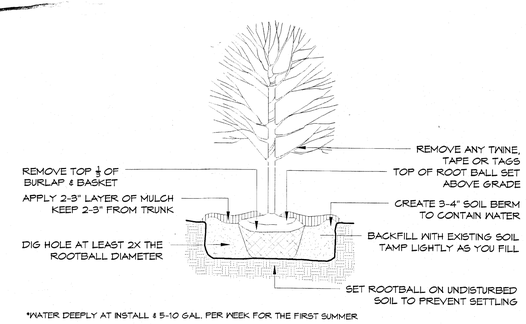


PLANT LIST

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	REMARKS
		SHADE TREES				
12	UHP	Ulmus holandica 'Pioneer'	Pioneer Elm	2.5" Cal.	B&B	
10	PCC	Pyrus calleryana 'Cleveland Select'	Cleveland Select Pear	2.5" Cal.	B&B	
		SHRUBS				
60	RF	Rubus fruticosus	Blackberry	1 gal.	Cont.	
45	RAG	Rhus a. 'Gro-Low'	Fragrant Sumac	3 gal.	Cont.	
14	VC	Vaccinium corymbosum	Blueberry	1 gal.	Cont.	
35	CAE	Cornus a 'Elengantissima'	Redtwig Dogwood	3 gal.	Cont.	
		PERENNIALS / GRASSES				
58	CKF	Calamagrostis 'Karl Foerster	Feather Reed Grass	2 gal.	Cont.	
62	MSA	Miscanthus s. 'Adaglo'	Adaglon Maiden Grass	2 gal.	Cont.	
750	FA	Fragaria ananassa	Strawberry	1 qt.	Cont.	

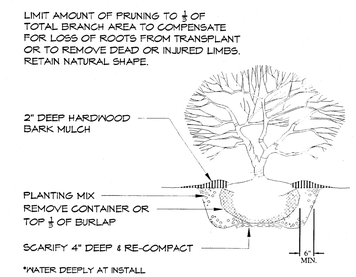
NOTES

1. ALL PLANTS SHALL MEET OR EXCEED THE GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
2. ALL PLANTING OPERATIONS SHALL ADHERE TO AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS.
3. CONFIRM LOCATION OF ALL UTILITIES AND SUBSURFACE DRAIN LINES PRIOR TO PLANT INSTALLATION.
4. PLANT LOCATIONS AND BEDS SHALL BE LOCATED BY CONTRACTOR AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
5. LANDSCAPE CONTRACTOR SHALL RESTORE ALL LAWN AREAS DISTURBED DURING CONSTRUCTION.
6. INSTALL ALL PLANTS IN ACCORDANCE WITH PLANTING DETAILS.
7. PLANTING BEDS SHALL HAVE MINIMUM 3" DEEP SHREDDED HARDWOOD BARK MULCH. MULCH HEDGES IN A CONTINUOUS BED.
8. ALL NEW PLANTING BEDS TO BE TILLED AND BACKFILLED WITH TOPSOIL TO A MINIMUM DEPTH OF 12".
9. ALL PLANTING BEDS TO BE FERTILIZED WITH 10-10-10 OR APPROVED EQUAL.
10. CONTRACTOR TO DETERMINE PLANT LIST QUANTITIES FROM THE PLAN.



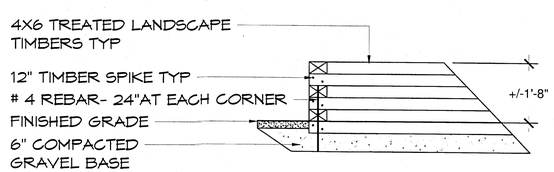
*WATER DEEPLY AT INSTALL & 5-10 GAL. PER WEEK FOR THE FIRST SUMMER

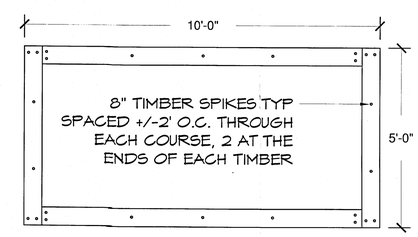
1 DECIDUOUS TREE PLANTING
N.T.S.



*WATER DEEPLY AT INSTALL

2 SHRUB PLANTING
N.T.S.





3 RAISED GARDEN BEDS
N.T.S.

BRICKMAN
Enhancing the American Landscape Since 1939
2325 Performance Way Columbus, Ohio 43224 Tel: 614.445.6151
www.brickmangroup.com Fax: 614.445.7346

This drawing and any and all ideas and designs contained herein are the sole property of Brickman and are not to be used without written permission.

Mid Ohio Food Bank

3960 Brookham Drive,
Grove City, Ohio

DATE
June 12, 2015
REVISIONS
June 22, 2015

NORTH

SCALE IN FEET
0 20 40

SHEET TITLE
Landscape Plan

DESIGN
Ron Dickerson
ACCOUNT MANAGER
Josh Hambrick

LP 1