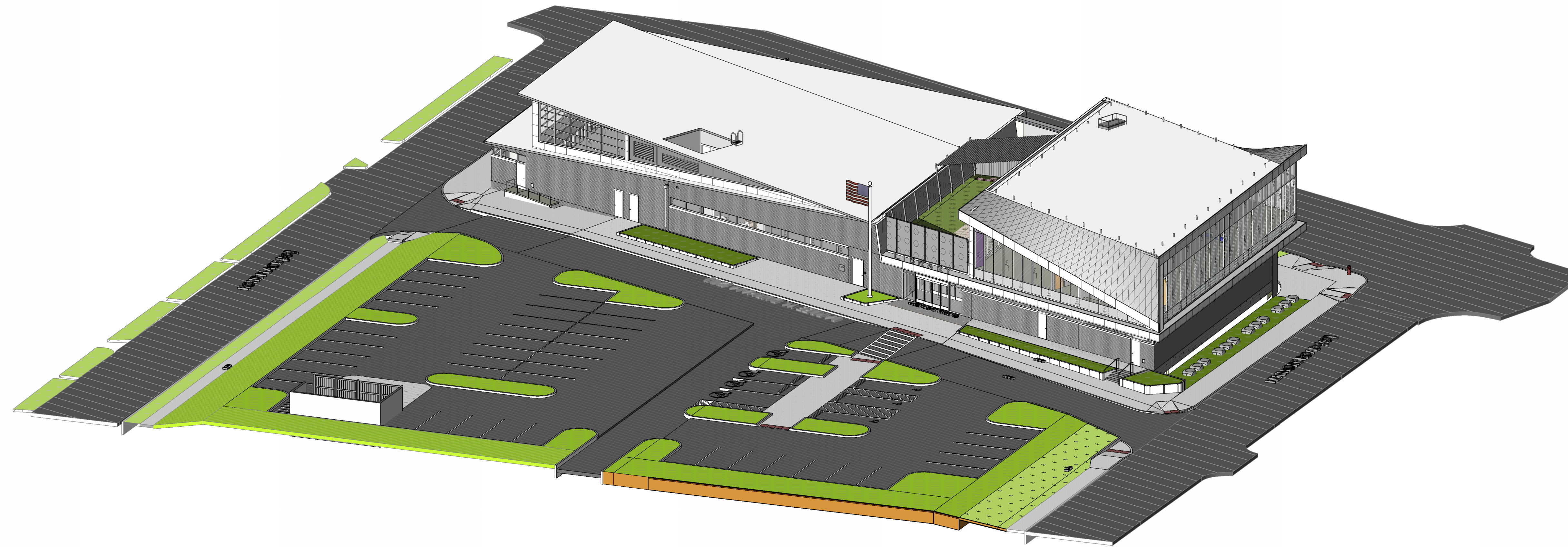


CML LINDEN BRANCH

COLUMBUS METROPOLITAN LIBRARY
2223 CLEVELAND AVE
COLUMBUS, OH 43211

PREPARED FOR:

COLUMBUS METROPOLITAN LIBRARY
MR. PATRICK LOSINSKI, CHIEF EXECUTIVE OFFICER



PREPARED BY:

ARCHITECT:

STRUCTURAL:

FIRE PROTECTION, MECHANICAL,
ELECTRICAL, PLUMBING, TECHNOLOGY:

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1405 DUBLIN ROAD
COLUMBUS, OHIO 43215
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MOODY•NOLAN
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COLUMBUS, OH 43215
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Jezerinac Geers
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COLUMBUS, OHIO 43017
PHONE: (614) 766-0066

LANDSCAPE:

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ENGINEERING
300 SPRUCE STREET
SUITE 200
COLUMBUS, OH 43215
PHONE: (614) 461-4664

GENERAL CONTRACTOR:

Turner
262 HANOVER STREET
COLUMBUS, OHIO 43215
PHONE: (614) 984-3000

PERMIT SET NOVEMBER 21, 2023

ABBREVIATIONS

Table of abbreviations categorized by letter (A-Z). Includes sections for SYMBOLS, F (continued), and P. Lists various construction terms and their corresponding symbols or abbreviations.

SYMBOLS LEGEND

Visual symbols legend showing examples for Building Section, Wall Section, Detail Section, Exterior Elevation, Interior Elevation, Window/Curtain Wall Elevation, Vertical Elevation/Level Mark, Spot Elevation, Revision Cloud & Tag, View Title, Graphic Scale, Matchline/View Reference, Grids Heads/Lines, Room Tags, Room Occupancy Tag, Room Finish Tag, Door Type Tag, Wall Type Tag, Window Type Tag, Ceiling Tag, Curtain Panel Type Tag, Coded Note/Accessory Tag, Furniture/Equipment Tag, Casework Tag, Millwork Note, North Arrow, and Area Tag.

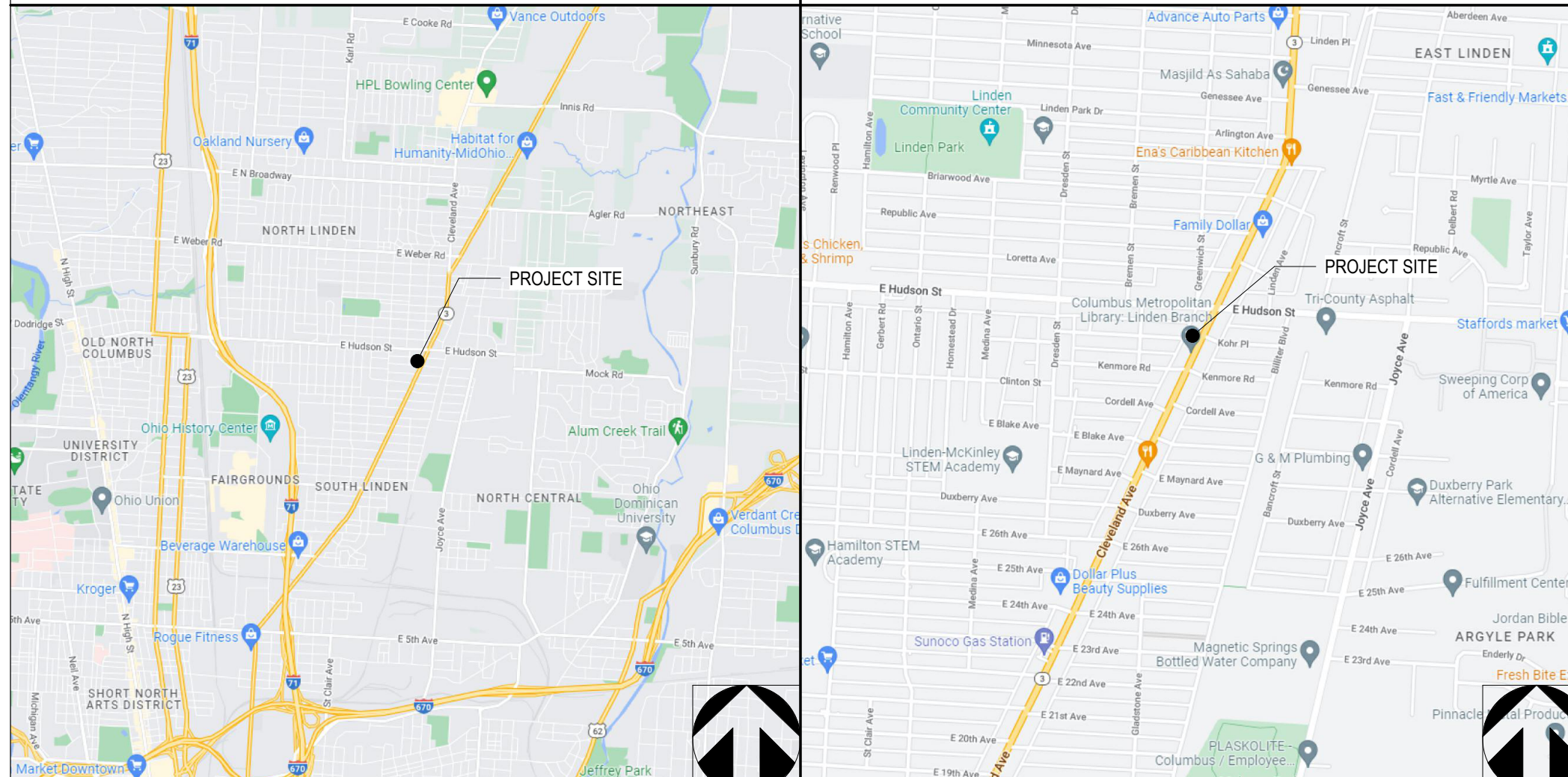
GENERAL NOTES

General notes table listing drawing types and details. Includes sections for GENERAL, LANDSCAPE, STRUCTURAL, DEMOLITION, ARCHITECTURAL, and ARCHITECTURAL 47. Lists drawing numbers and descriptions.

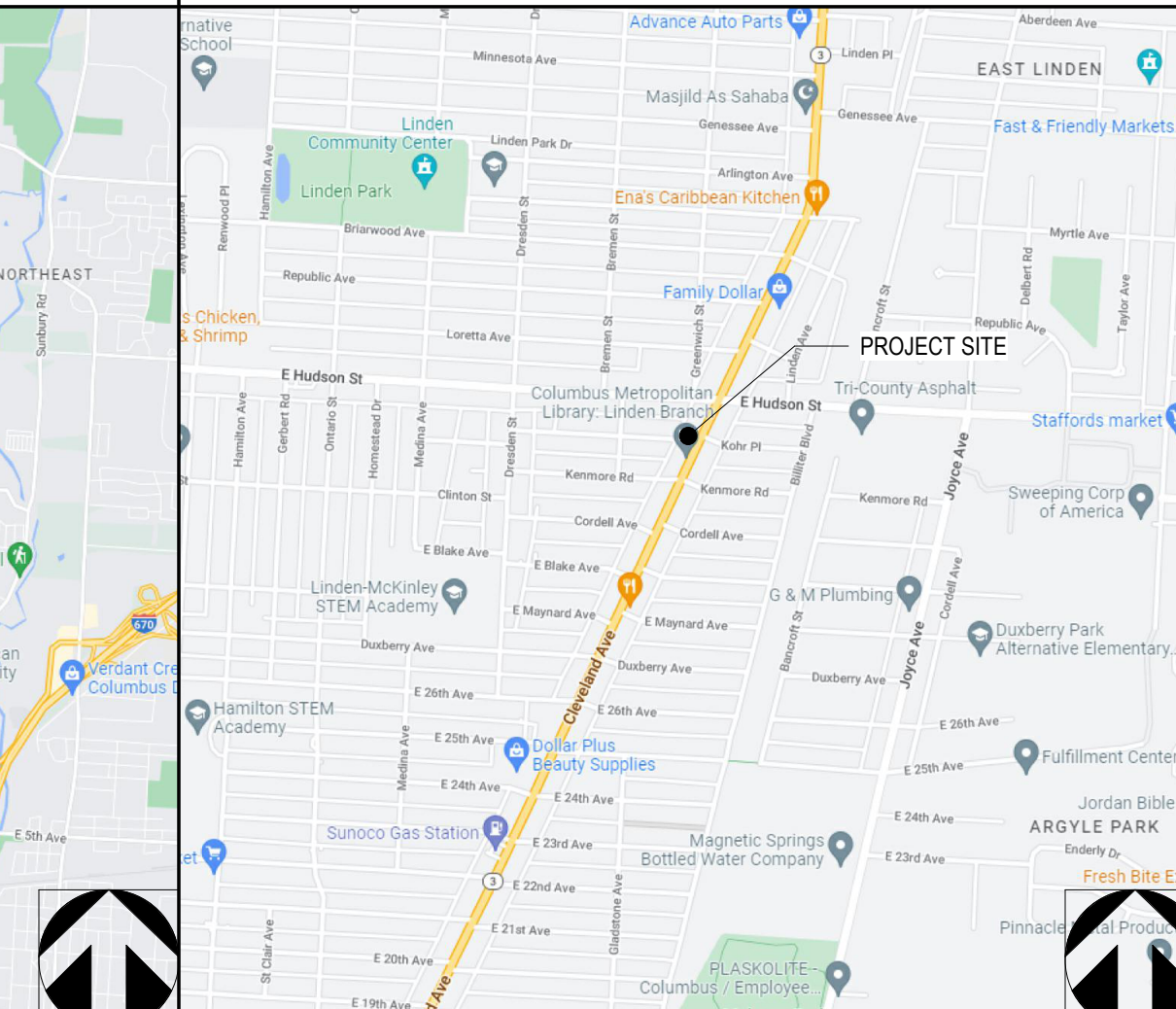
INDEX OF DRAWINGS

Index of drawings table listing drawing numbers and descriptions. Includes sections for FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, and TELECOMMUNICATIONS. Lists drawing numbers and descriptions.

AREA MAP



VICINITY MAP



MATERIALS LEGEND

Materials legend table listing various materials and their corresponding hatching patterns. Includes Aluminum, Acoustic Ceiling, Brick, Concrete, Concrete Masonry, Concrete (Surface), Earth, Glass - Large Scale, Glass - Small Scale, Granular Fill, Gypsum Board, Insulation - Batt, Insulation - Rigid, Plywood, Steel, Wood - Rough Framing, Wood - Rough Blocking, and Wood - Finished.

Change description table with columns for #, DATE, and CHANGE DESCRIPTION.

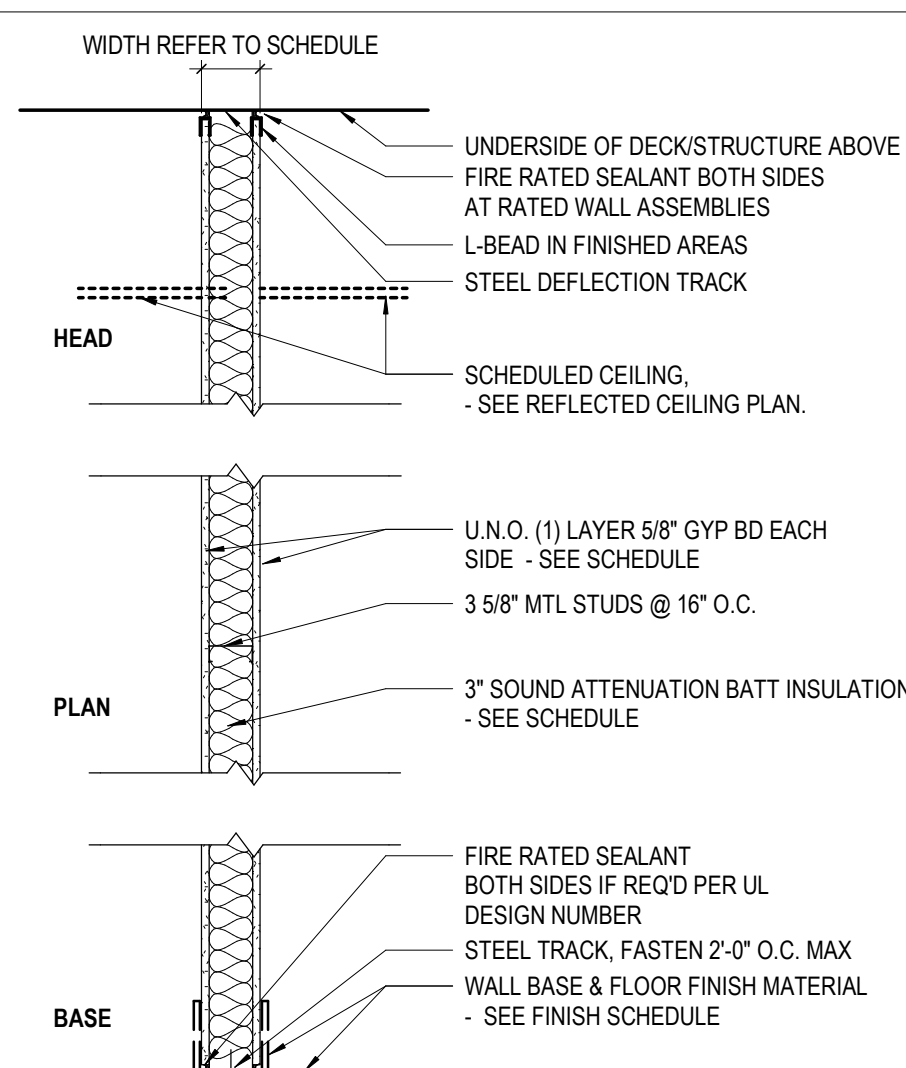
CML LINDEN BRANCH logo and address: 2223 CLEVELAND AVE, COLUMBUS, OH 43211. FOR COLUMBUS METROPOLITAN LIBRARY.

MOODY-NOLAN logo and address: 300 SPRUCE STREET, SUITE 300, COLUMBUS, OHIO 43215. PHONE: (614) 461-4664. FAX: (614) 280-8881.

DRAWING INDEX

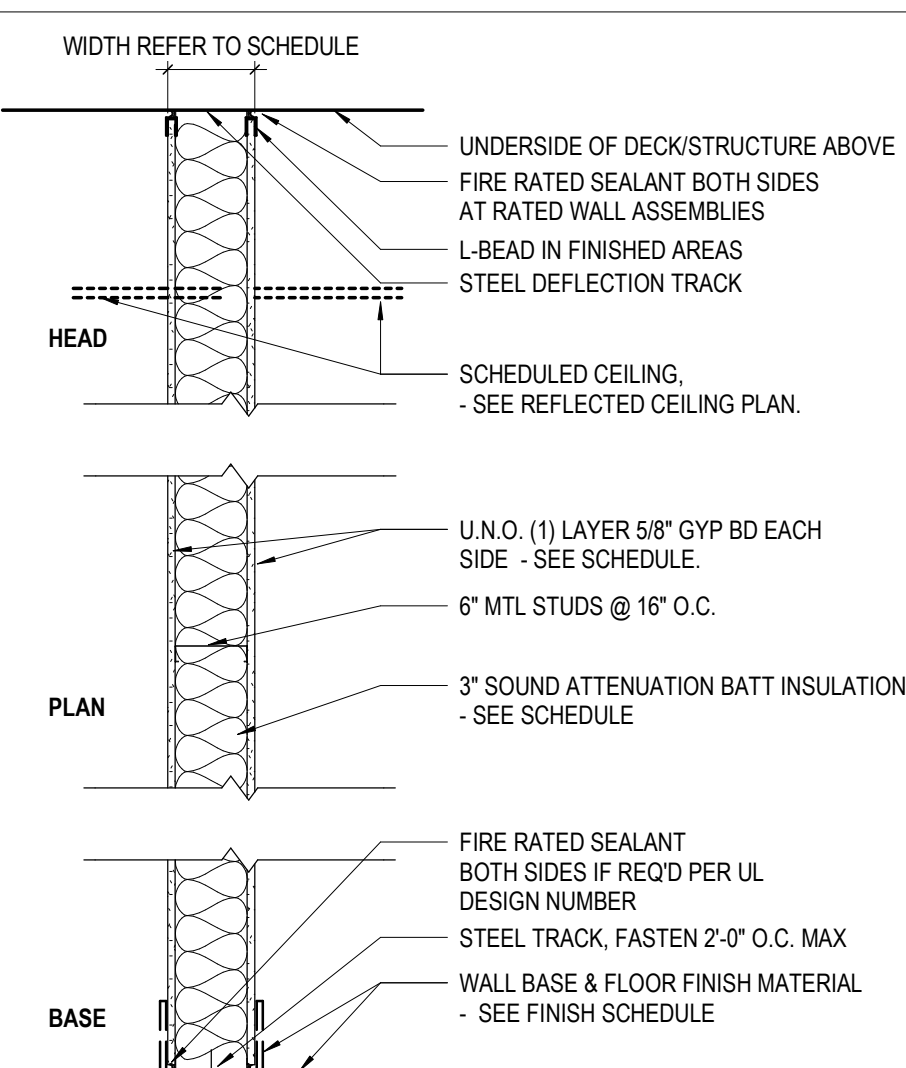
Professional seal for Jonathan D. Moody, Registered Architect, State of Ohio, License No. 1215709. Includes date NOVEMBER 21, 2023, project number Proj. # 21507.02, and permit number G001.

TYPE 3 - 3 5/8" METAL STUD WALL TYPES



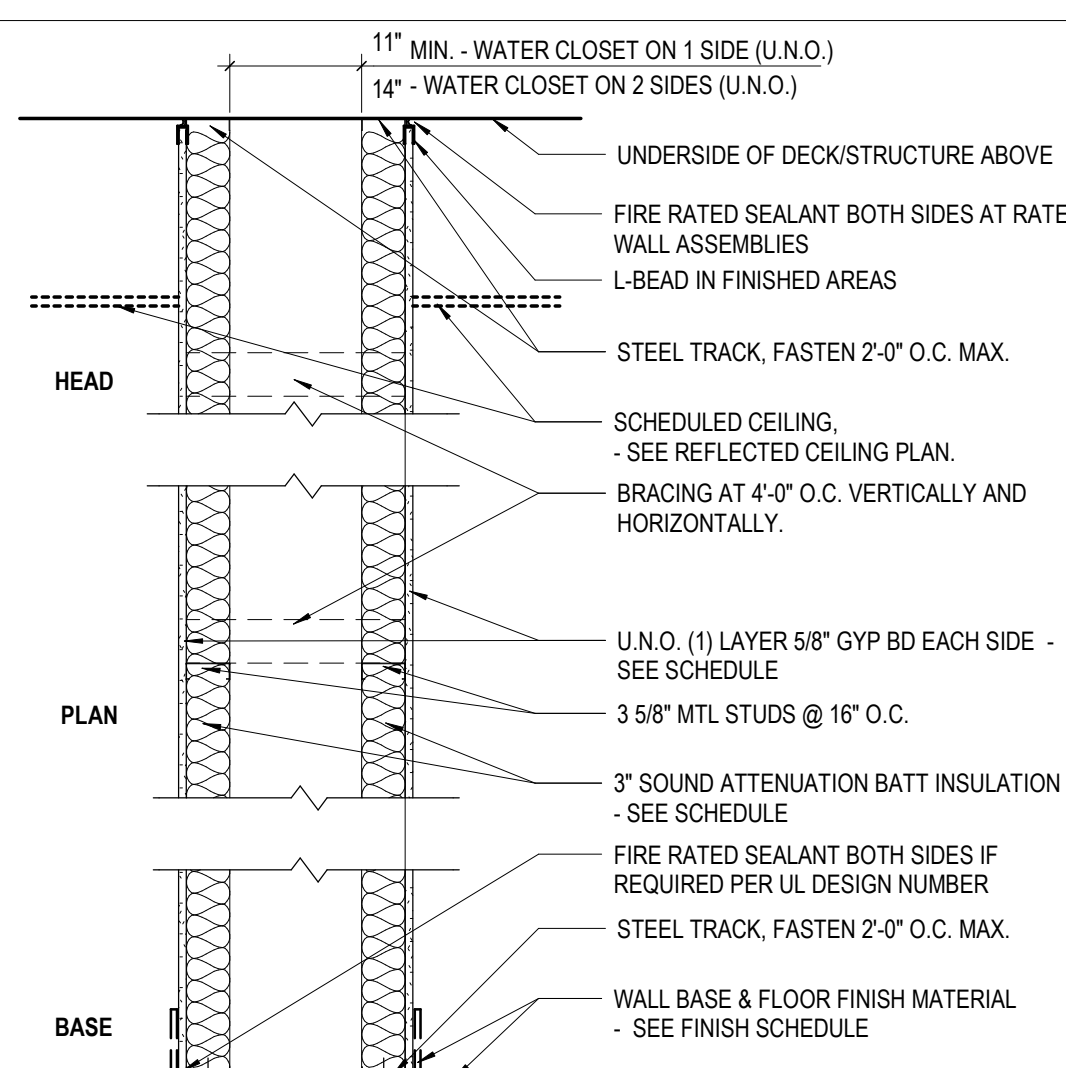
TYPE	WIDTH	STUD WIDTH	GYP. BD. - 1 SIDE	GYP. BD. - 2 SIDES	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
3B	4 7/8"	3 5/8"	No	Yes	UL# U465	47	Yes	04		
3C	4 7/8"	3 5/8"	No	No	OHR	47	Yes	04		
3D	4 7/8"	3 5/8"	No	Yes	OHR	40	No	04		
3E	4 7/8"	3 5/8"	No	Yes	OHR		No	05		
3F	4 7/8"	3 5/8"	No	Yes	OHR		No	05		
3H	4 1/4"	3 5/8"	Yes	No	OHR		No	04		
3K	4 1/4"	3 5/8"	Yes	No	OHR		No	02, 05		

TYPE 4 - 6" METAL STUD WALL TYPES



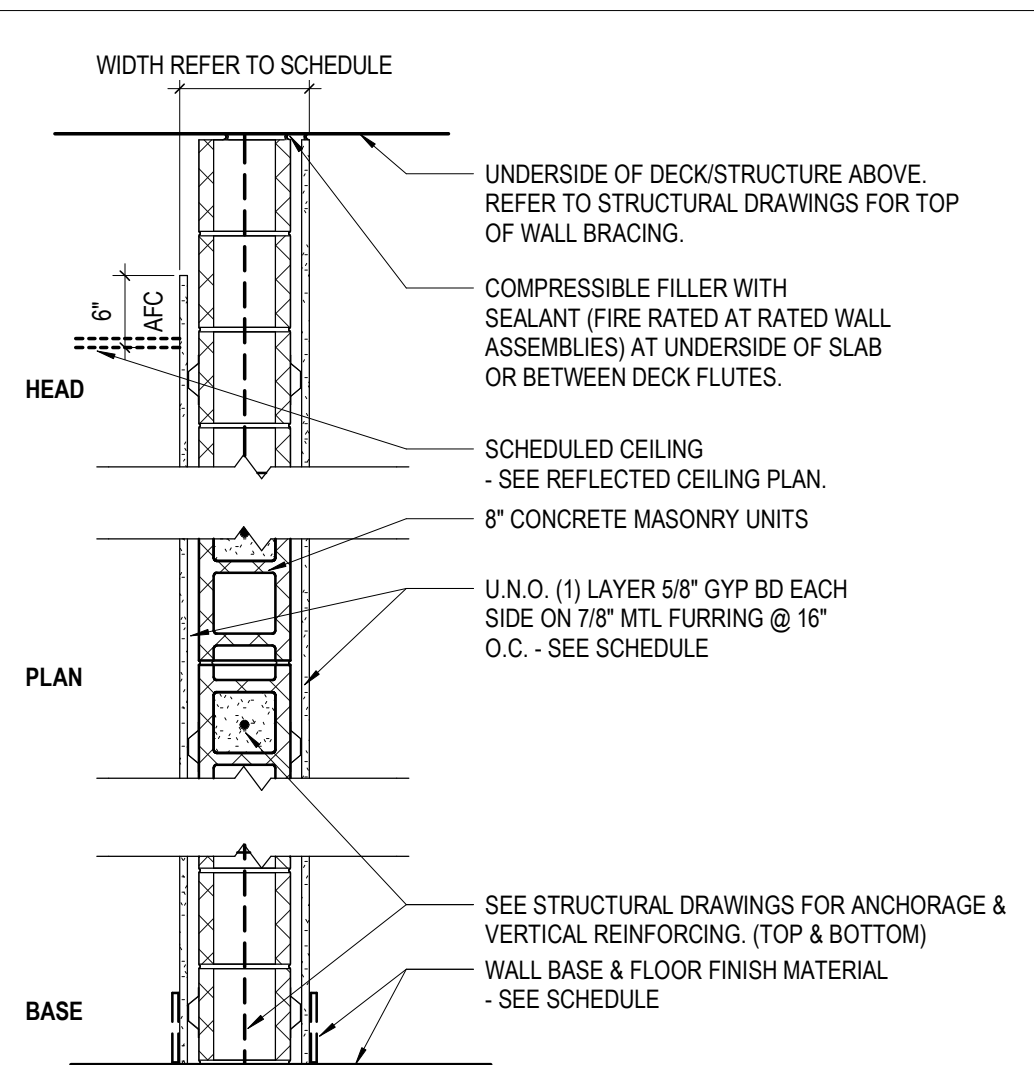
TYPE	WIDTH	STUD WIDTH	GYP. BD. - 1 SIDE	GYP. BD. - 2 SIDES	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
4C	7 1/4"	6"	No	Yes	OHR	47	EST	Yes	04	
4D	7 1/4"	6"	No	Yes	OHR	40	EST	No	04	
4E	7 1/4"	6"	No	Yes	OHR	47	EST	Yes	02, 05	
4F	7 1/4"	6"	No	Yes	OHR		No	05		
4K	6 5/8"	6"	Yes	No	OHR		No	05		

TYPE CS - STUD CHASE WALL TYPES



TYPE	WIDTH	STUD WIDTH	GYP. BD. - 1 SIDE	GYP. BD. - 2 SIDES	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
CS1	1'-4 1/2"	3 5/8"	Yes	No	OHR		Yes	04		
CS2	2'-8 1/2"	3 5/8"	No	Yes	OHR		52	Yes	01, 04	

TYPE 8 - 8" CONCRETE MASONRY WALLS



TYPE	WIDTH	GYP. BD. - 1 SIDE	GYP. BD. - 2 SIDES	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
8D	9 1/8"	Yes	No	1HR	UL# U505	48+	No	10	7/8" METAL FURRING @ 16" O.C.
8H	10 5/8"	No	Yes	OHR		48+	No	10	7/8" METAL FURRING @ 16" O.C BOTH SIDES
8R	1'-1 3/8"	No	Yes	OHR		48+	No	10	3 5/8" METAL STUDS & 7/8" METAL FURRING @ 16" O.C.

GENERAL NOTES - WALL TYPE

- ALL DIMENSIONS TO FACE OF WALL U.N.O.
- USE 5/8" WATER RESISTANT GYP. BD. ON ALL WET WALLS, UNO.
- USE CEMENT BOARD FOR ALL WALLS TO RECEIVE CERAMIC TILE, UNO.
- FIRE SAFE ALL JOINTS AND PENETRATIONS AT FIRE RATED PARTITIONS.
- UL NUMBERS LISTED APPLY ONLY TO THE TESTED MANUFACTURERS. EQUAL MANUFACTURERS EQUIVALENT ASSEMBLY INFORMATION MUST BE APPROVED BY ARCHITECT.
- INSULATION MUST EXTEND FULL HEIGHT OF PARTITION, WHERE SOUND ATTENUATION BATTS ARE INDICATED IN PARTITIONS, INSTALL ACOUSTIC SEALANT AT BOTH SIDES, ALONG THE TOP AND BOTTOM, AND AT INTERSECTING PARTITIONS.
- WHERE 3 5/8", 4" OR 6" STUD WALLS ARE INDICATED, SEE SPECIFICATIONS FOR HEIGHT LIMITS.
- REFER TO FINISH SCHEDULE FOR FINISHES.
- SEAL TOP & BOTTOM OF PARTITION WITH ACOUSTIC SEALANT AS REQUIRED BY STC RATING.

CODED NOTE LEGEND

- BRACE EACH STUD @ 4'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
- BRACE EACH STUD @ 8'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
- SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND ENDS OF WALL AND AT ALL PENETRATIONS.
- FULL HEIGHT PARTITION. TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
- STOP GYP. BD. AND STUDS 6" A/C. BRACE PARTITION TO DECK/STRUCTURE PER METAL STUD MANUFACTURER DESIGN LOADING CRITERIA.
- FULL HEIGHT SHAFT WALL. TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
- FULL HEIGHT PARTITION. TERMINATE GYP. BD., PLYWOOD AND STUDS AT DECK/STRUCTURE ABOVE.
- FULL HEIGHT PARTITION. TERMINATE CMU AT DECK/STRUCTURE ABOVE.
- STOP CMU FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCTURE PER STRUCTURAL DRAWINGS.
- FULL HEIGHT PARTITION. TERMINATE CMU AT DECK ABOVE. STOP FURRING AND GYP. BD. @ 6" ABOVE FINISHED CEILING.
- STOP WALL FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCTURE PER STRUCTURAL DRAWINGS.

#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
 2223 CLEVELAND AVE
 COLUMBUS, OH 43211
 FOR
COLUMBUS METROPOLITAN LIBRARY

300 SPRUCE STREET
 SUITE 300
 COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
 FAX: (614) 280-8881

WALL TYPE SCHEDULE

NOVEMBER 21, 2023
 DRAWN BY: XXXX CHECKED BY: XXXX
 Proj. # 21507.02

G002

PERMIT SET

JONATHAN D. MOODY, LIC. #1215709
 EXP. DATE: 12/31/2023

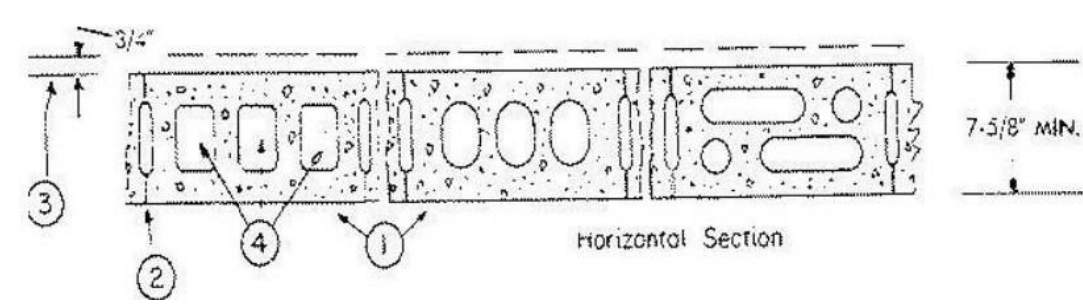
Design No. U905

March 02, 2020

Nonbearing Wall Rating – 2 HR.

Nonbearing Wall Rating – 2 HR.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Concrete Blocks* — Various designs. Classification D-2 (2 1/2).
See Concrete Blocks category for list of eligible manufacturers.

2. Mortar — Blocks laid in full bed of mortar, nom. 3/8 in. thick of not less than 2-1/4 and not more than 3-1/2 parts of clean sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3. Portland Cement Sluicc or Gypsum Plaster — Add 1/2 in. to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).
4. Loose Masonry Fill — If all core spaces are filled with loose dry expanded clay or shale (Rotary Kiln Process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.
5. Framed Plaster Stud* — (Optional Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation"; "EnergyShield Pro 2 Wall Insulation"; "EnergyShield CGF Pro and EnergyShield Ply Pro

CARLISLE COATINGS & WATERPROOFING INC — Type R2- SHEATH

DUPONT DE NEMOURS, INC. — Types Thexmax Sheathing, Thexmax Light Duty Insulation, Thexmax Heavy Duty Insulation, Thexmax Metal Building Board, Thexmax White Finish Insulation, Thexmax CI Exterior Insulation, Thexmax XARMOR CI Exterior Insulation, Thexmax HI Insulation, Thexmax Plus Line Panel, Thexmax Heavy Duty Plus (HDR), TUFF-R™ CI Insulation, Thexmax Buter Styrofoam Insulation Board and Thexmax Moton Heavy Duty Insulation Board

FIRESTONE BUILDING PRODUCTS CO L L C — "Enviro™" CI Foil Exterior Wall Insulation* and "Enviro™" CI Glass Exterior Wall Insulation*

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Types "Xci-Class A", "Xci Foil (Class A)", "Xci 286"

RAM OPERATING L L C — Types "TSX-8500", "ECOMAX® FR", "TSX-8510", "ECOMAX Hi-Fiber", "ECOMAX®", "ECOMAX® FR Air Barrier", "Thermasheth-XP", "Thermasheth", "Durasheth", "Thermasheth-3", "Durasheth-3"

SA Building Units — As an alternate to Items 5, min. 1-in thick polycyclourate composite foamed plastic insulation boards, nom. 48 in 8' dia.

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci NB", "Xci Ply"

RAM OPERATING L L C — "Thermasheth-SI", "ECOBASE®", "ThermaBase-CI", "ECOMAX® FR Ply", "ECOMAX® Ply"

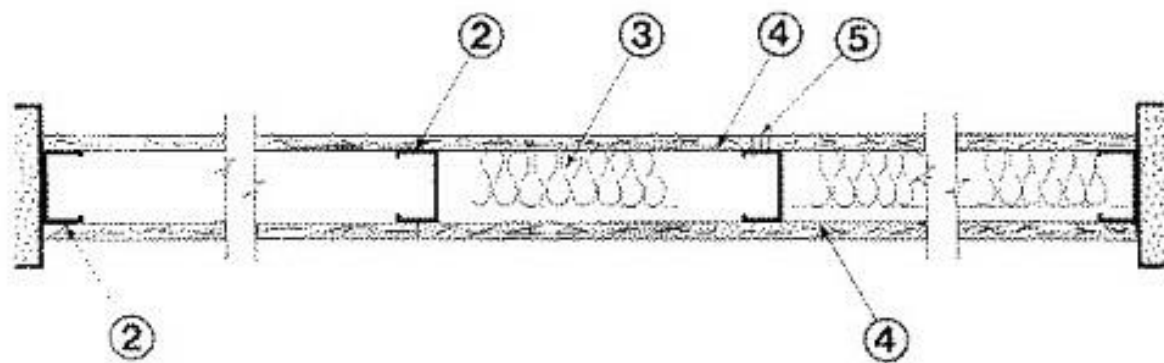
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Design No. U465

July 12, 2018

Nonbearing Wall Rating – 1 HR.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Floor and Ceiling Runners — (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG gal steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. Framing Members* — Floor and Ceiling Runners — (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC max.

ALLSTEEL & GYPSUM PRODUCTS INC. — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP. BUILDING PRODUCTS DIV. — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC. — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO. — Type SUPREME Framing System

STEEL INVESTMENT GROUP L L C — Type SUPREME Framing System

UNITED METAL PRODUCTS INC. — Type SUPREME Framing System

1B. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

ALLSTEEL & GYPSUM PRODUCTS INC. — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP. BUILDING PRODUCTS DIV. — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC. — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO. — Type SUPREME Framing System

STEEL INVESTMENT GROUP L L C — Type SUPREME Framing System

UNITED METAL PRODUCTS INC. — Type SUPREME Framing System

1C. Floor and Ceiling Runners — (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINOWARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1D. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCOBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1E. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — TRUE-TRAC™

1F. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

KIRI (HONG KONG) LTD — Type KIRI

1G. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Items 1 through 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STUCCO BUILDING SYSTEMS — CROCSTUD Track

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.020 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINOWARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

FUSION BUILDING PRODUCTS — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — Viper20™ Track

1J. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Items 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STEEL INVESTMENT GROUP L L C — AlphaTRAK

1K. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — For use with Item 2K, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG 0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.

1L. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — For use with Item 2L, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CRACO MFG INC — SmartStud20™

2. Steel Stud — Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. Framing Members* — Steel Studs — As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC. — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP. BUILDING PRODUCTS DIV. — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC. — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO. — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC. — Type SUPREME Framing System

UNITED METAL PRODUCTS INC. — Type SUPREME Framing System

2B. Framing Members* — Steel Studs — (Not Shown) — In lieu of Item 2 — For use with Item 1B, proprietary channel shaped studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

CRACO MFG INC — SmartStud20™

MARINOWARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. Steel Studs — (As an alternate to Item 2, For use with Item 4E) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2D. Framing Members* — Steel Studs — As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCOBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. Framing Members* — Steel Studs — As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

2F. Framing Members* — Steel Studs — As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

KIRI (HONG KONG) LTD — Type KIRI

2G. Framing Members* — Steel Studs — (Not Shown) — In lieu of Item 2 through 2F — For use with Item 1G, Proprietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the assembly height.

STUCCO BUILDING SYSTEMS — CROCSTUD

Design No. U465 (continued)

2H. Framing Members* — Steel Studs — (Not Shown) — In lieu of Item 2 — For use with Item 1J, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

TELLING INDUSTRIES L L C — Viper20™

2I. Framing Members* — Steel Studs — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

EB METAL INC — NITROSTUD

2J. Framing Members* — Steel Studs — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

OLMAR SUPPLY INC — PRIMESTUD

2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1B (3-5/8 in. wide), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 1/4 in. less than assembly height.

MARINOWARE, DIV OF WARE INDUSTRIES INC — StudRite™

2L. Framing Members* — Steel Studs — As an alternate to Items 2 — For use with Item 1J, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

STEEL INVESTMENT GROUP L L C — AlphaSTUD

2M. Framing Members* — Steel Studs — (Not Shown) — In lieu of Item 2 — For use with Item 1K, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness), Studs cut 3/4 in. less in length than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

2N. Framing Members* — Steel Studs — (Not Shown) — In lieu of Item 2 — For use with Item 1L, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

CRACO MFG INC — SmartStud20™

3. Batts and Blankets* — (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.

See Batts and Blankets (BZZJZ) category for names of Classified companies.

3A. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Methods: The fiber is applied without water or achieve a nominal dry density of 3.3 lb/ft³, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C — INS735 & INS745 for use with wet or dry application. INS765LD and INS770 for use with dry application only

3B. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) and Item 3A — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NIU-WOOL CO INC — Cellulose Insulation

3C. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP — Cebiar-RL

3D. Batts and Blankets* — For use with Item 8, Nom 3 in. thick, minimum 3.4 pd mineral wool batts, friction fit between the studs and floor and ceiling runners.

See Batts and Blankets (BZZJZ) category for names of manufacturers.

3E. Batts and Blankets* — For use with Item 4P and 4R. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resilience. See Batts and Blankets (BKNV or BZZJZ) Categories for names of Classified companies.

4. Gypsum Board* — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC, along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to Items 6 (resilient channels) or 6A, 6B, 6C, 6D, or 6E (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.

ACADIA DRYWALL SUPPLIES LTD — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO. — Types AG-C, AGX-1, M-Glass, LightRoC

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CERTANTEED GYPSUM INC — Types 1, EGRG, GlasRoC, Type X, Type X-1, Type C, Type X-2, 5/8" Easi-Lite Type X, Easi-Lite Type X-2

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLXL

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFSS, LS, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Softi - Type X, TG-C, GreenGlass Type X, Type X, Center/Glass Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Softi-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Softi-Type DGLW, Type LWXZ, Veneer Plaster Base - Type LWXZ, Water Rated - Type LWXZ, Sheathing - Type LWXZ, Softi - Type LWXZ, Type DGLZW, Water Rated - Type DGLZW, Sheathing - Type DGLZW

NATIONAL GYPSUM CO. — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL

NATIONAL GYPSUM CO. — Ryadh, Saud Arabia — Type FR, or WR

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM. — Types PG-C, PG-9, PG-11, PGS-WRS

PANEL REY S A — Types GRCX, PRC, PRC2, PRX, RHX, MDX, ETX

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIVAR, Gyproc FireStop MR ACTIVAR, Gyproc FireStop M2TECH ACTIVAR, Gyproc Duraline, Gyproc Duraline MR, Gyproc Duraline MTECH, Gyproc Duraline ACTIVAR, Gyproc Duraline MR ACTIVAR, Gyproc Duraline MTECH ACTIVAR

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL. — Type X, Type C

UNITED STATES GYPSUM CO. — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG MEXICO S A DE C V. — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

2. Steel Stud — Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. Framing Members* — Steel Studs — As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC. — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP. BUILDING PRODUCTS DIV. — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC. — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO. — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC. — Type SUPREME Framing System

UNITED METAL PRODUCTS INC. — Type SUPREME Framing System

2B. Framing Members* — Steel Studs — (Not Shown) — In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

CRACO MFG INC — SmartStud20™

MARINOWARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. Steel Studs — (As an alternate to Item 2, For use with Item 4E) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2D. Framing Members* — Steel Studs — As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCOBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. Framing Members* — Steel Studs — As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

BUILDING INFORMATION	
LOCATION	CML LINDEN BRANCH
OWNER NAME	COLUMBUS METROPOLITAN LIBRARY
OWNER ADDRESS	96 SOUTH GRANT STREET COLUMBUS, OH 43215
OWNER PHONE	614-645-2275
SITE ADDRESS	2223 CLEVELAND AVE COLUMBUS, OH 43211

SITE INFORMATION	
SITE ZONING	R3, C3
SITE AREA	72,860 SF (1.67 ACRES)
PARKING REQUIRED	69
PARKING SHOWN	53
HANDICAPPED PARKING	3
EV PARKING	1
TOTAL PARKING	57

BUILDING CODES	
TITLE	EDITION
OHIO BUILDING CODE	2017 OBC
OHIO PLUMBING CODE	2017 OPC
OHIO MECHANICAL CODE	2017 OMC
NATIONAL ELECTRICAL CODE	2017 NEC - NFPA 70
INTERNATIONAL FUEL GAS CODE	2015 IFGC
INTERNATIONAL ENERGY CONSERVATION CODE	2012 IECC
ASHRAE 90.1 - 2010 ENERGY STANDARDS FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS	2010 ASHRAE 90.1
ICC A117.1 - 2009 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	2009 IECC
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 ADA
NFPA 101 LIFE SAFETY CODE	2015 NFPA 101 LIFE SAFETY CODE
OHIO FIRE CODE	2017 OFC
NATIONAL FIRE ALARM AND SIGNALING CODE	NFPA 72-16
AUTOMATIC SPRINKLER SYSTEM	NFPA 13-16

GENERAL BUILDING HEIGHTS AND AREAS		
CONSTRUCTION TYPE	REQUIREMENTS	SECTION/TABLE
IIB		602.2
USE GROUP	A-3, A-5, B, S-2 (NON SEPARATED MIXED USE)	303.4
ALLOWABLE HEIGHT	3 STORIES/75'	504.3 & 504.4
ACTUAL HEIGHT	2 STORIES/35' AVERAGE	
ALLOWABLE AREA	28,500 SF (W/ SPRINKLER)	506.2
ALLOWABLE AREA INCREASE FOR OPEN PERIMETER	75%	506.3.3
ALLOWABLE FLOOR AREA, ONE STORY	(28,500 + (9,500 * .75)) = 35,625 SF	506.2.4
ACTUAL FLOOR AREA, FIRST FLOOR	20,990 SF	506.2.4
ACTUAL FLOOR AREA, SECOND FLOOR	9,906 SF	
TOTAL FLOOR AREA	30,896 SF	

USE AND OCCUPANCY CLASSIFICATION		
BUILDING CLASSIFICATION	REQUIREMENTS	SECTION
	A-3	303.4
ACCESSORY OCCUPANCIES	B, S-2	508.3
	NON SEPARATED MIXED USE	508.4

OCCUPANCY LOAD			OCCUPANCY LOAD		
NAME	AREA	OCCUPANCY LOAD	NAME	AREA	OCCUPANCY LOAD
FIRST FLOOR					
IT	88 SF	1	IT	56 SF	1
UNISEX RR	105 SF	1	OUTDOOR	207 SF	1
BUSINESS CENTER	188 SF	2	MECH.		
STAFF WORKSPACE	1,058 SF	10	STORAGE	123 SF	1
STUDY RM	64 SF	1	CHILDRENS	3,590 SF	37
EXT. STORAGE	38 SF	1	SCHOOL HELP CENTER	867 SF	18
ENTRY VESTIBULE	151 SF	2	MECHANICAL	713 SF	1
WELCOME	1,376 SF	79	AMMENITY DECK	1,312 SF	87
STUDY RM	64 SF	1	ELECTRICAL	26 SF	1
STUDY RM	64 SF	1	JAN/ROOF	129 SF	1
STUDY RM	64 SF	1	STORAGE	92 SF	1
STUDY RM	64 SF	1			
STUDY RM	84 SF	2			
COMPUTERS	1,159 SF	23			
SUPPORT	56 SF	1			
BOOK DROP	21 SF	1			
ELEC.	99 SF	1			
RECEIVING	225 SF	2			
STAFF LOUNGE	273 SF	3			
PRIVACY ROOM	63 SF	1			
JAN.	63 SF	1			
CONF.	109 SF	2			
OFFICE	121 SF	1			
MULTI-PURPOSE	548 SF	36			
KITCHENETTE	99 SF	1			
MEETING RM	483 SF	32			
MEETING RM	560 SF	37			
MTG STOR.	152 SF	1			
TEENS	1,592 SF	32			
COLLECTIONS	6,178 SF	63			
STUDY RM	70 SF	1			
CHILDRENS 0-6	1,925 SF	19			
STUDY RM	104 SF	2			
STUDY RM	64 SF	1			
STORAGE	79 SF	1			
WATER	79 SF	1			
MOTHERS ROOM	82 SF	1			
QUIET ROOM	586 SF	12			
STUDY RM	78 SF	1			
JAN.	66 SF	1			
STORAGE					
STORAGE	40 SF	1			
	18,383 SF	382			
MEZZANINE					
EXISTING	779 SF	2			
MECHANICAL					
	779 SF	2			

TYPES OF CONSTRUCTION		
CONSTRUCTION TYPE	REQUIREMENTS	SECTION
IIB		602.2
EXTERIOR BEARING WALLS	TABLE 602	TABLE 601/602
	1 HR X < 5'	
	1 HR 5' X < 10'	
	0 HR 10' < X < 30'	
	0 HR X > 30'	
EXTERIOR NON-BEARING WALLS	TABLE 602	TABLE 601/602
	1 HR X < 5'	
	1 HR 5' X < 10'	
	0 HR 10' < X < 30'	
	0 HR X > 30'	
INTERIOR BEARING WALLS	0	TABLE 601
INTERIOR NON-BEARING WALLS	0	TABLE 601
PRIMARY STRUCTURAL FRAMING	0	TABLE 601
FLOORS	0	TABLE 601
ROOF	0	TABLE 601

FIRE-RESISTIVE-RATED CONSTRUCTION		
EXTERIOR WALL OPENINGS	REQUIREMENTS	SECTION
	0 HR	TABLE 705.8
STAIRWAY ENCLOSURES	0 HR	1019.3
ELEVATOR & DUMBWATER ENCLOSURES	1 HR	713.4
PIPE SHAFTS AND DUCTS	0 HR	713.4
WELLS AND CHUTES	NA	713.13
PUBLIC CORRIDORS	0 HR	1020
STORAGE ROOMS	0 HR	508.4
PROTECTION OF OPENINGS	0 HR	716.5
EXTERIOR WALL	0 HR	716.5
STAIRWAY	0 HR	716.5

INTERIOR FINISHES		
GROUP	REQUIREMENTS	SECTION
A-3	SPRINKLERED	303.4
WALL AND CEILING	CLASS	
B	EXIT STAIRWAYS & RAMPS	TABLE 803.11
B	CORRIDORS & ENCLOSURES	TABLE 803.11
C	ROOMS & ENCLOSED SPACES	TABLE 803.11
GROUP	B, SPRINKLERED	
WALL AND CEILING	CLASS	
B	EXIT STAIRWAYS & RAMPS	TABLE 803.11
C	CORRIDORS & ENCLOSURES	TABLE 803.11
C	ROOMS & ENCLOSED SPACES	TABLE 803.11
GROUP	S-2, SPRINKLERED	
WALL AND CEILING	CLASS	
C	EXIT STAIRWAYS & RAMPS	TABLE 803.11
C	CORRIDORS & ENCLOSURES	TABLE 803.11
C	ROOMS & ENCLOSED SPACES	TABLE 803.11
FLOOR COVERINGS	CLASS I OR II	OBC 804

FIRE PROTECTION SYSTEMS		
SPRINKLER AND STANDPIPE SYSTEMS	REQUIREMENTS	SECTION
	REQUIRED GROUP A-3	903.2.1.3 NFPA 13
FIRE EXTINGUISHERS	REQUIRED MAXIMUM TRAVEL DISTANCE: 75'	906 NFPA 10
FIRE ALARM SYSTEM	REQUIRED	907.2.1 NFPA 72
MANUAL FIRE ALARM	USE GROUP A > 300 OCCUPANCY	

MEANS OF EGRESS		
MAX. FLOOR AREA ALLOWANCE PER OCCUPANT	REQUIREMENTS	SECTION
	LIBRARY	TABLE 1004.1.2
	READING ROOMS: 50 NET STACK AREA: 100 GROSS	
	ASSEMBLY (UNCONCENTRATED) WITHOUT FIXED SEATS: 15 NET	TABLE 1004.1.2
	BUSINESS AREAS: 100 GROSS	TABLE 1004.1.2
	DAYCARE AREA: 35 NET	TABLE 1004.1.2
	ACCESSORY, STORAGE MECHANICAL/ELECTRICAL ROOMS: 300 GROSS	TABLE 1004.1.2
ACTUAL OCCUPANCY CALCULATION	532	
EGRESS WIDTH	SEE LIFE SAFETY PLANS	
DOOR ENCROACHMENT AREAS OF REFUGE	32" MIN. 48" MAX. 80" MIN. HEIGHT	1010.1.1
DOOR SWINGS	PIVOTED OR SIDE-HINGED	1010.11
STAIRWAY WIDTH	0.37/PERSON, 44" MIN	1005.3.1/1011
HEADROOM	80" MIN.	1011.3
TREADS AND RISERS	RISERS 4" MIN. 7" MAX. TREADS 11" MIN	
LANDINGS	WIDTH NOT LESS THAN WIDTH OF STAIRWAYS, DEPTH NOT REQUIRED TO EXCEED 48"	1011.6
HANDRAILS	34" MIN. 38" MAX HEIGHT. EXTEND 12" RETURN TO WALL, GUARD, OR FLOOR	1014, 1014.6
GUARDS	1015	
REQUIRED @ OPEN SIDED WALKING SURFACES	30" OR MORE ABOVE FLOOR BELOW	
OPENING LIMITATIONS	4" SPHERE MAY NOT PASS THRU FROM HEIGHT 36"-42"	
AT OPEN SIDES OF STAIR @ TREAD	6" SPHERE MAY NOT PASS THRU	
AT ACCESS TO MEP EQUIP.	21" SPHERE MAY NOT PASS THRU	
ELECTRO-MAGNETIC LOCKING DEVICES	PERMITTED	10.10.1.9.9
TRAVEL DISTANCE LIMITATIONS		1017
EXIT ACCESS TRAVEL DISTANCE	USE GROUP MAXIMUM TRAVEL DISTANCE	
	A-3 200' W/ SPRINKLER SYSTEM	
	B 300' W/ SPRINKLER SYSTEM	
	I-4 200' W/ SPRINKLER SYSTEM	
	S-2 400' W/ SPRINKLER SYSTEM	
MAXIMUM COMMON PATH OF EGRESS TRAVEL	USE GROUP MAXIMUM TRAVEL DISTANCE	1006.2
	A-3 75' W/ SPRINKLER SYSTEM	
	B 100' W/ SPRINKLER SYSTEM	
	I-4 75' W/ SPRINKLER SYSTEM	
	S-2 100' W/ SPRINKLER SYSTEM	
CORRIDORS		1020
CORRIDOR CONSTRUCTION	OCCUPANCY: A OCCUPANCY > 30 W/ SPRINKLER SYSTEM, 0 HR	1020.1
CORRIDOR WIDTH	44" MIN. ALL OTHERS 24" MIN. TO ACCESS MEP SYSTEMS 36" MIN. W/ OCCUPANT LOAD < 50	1020.2
DEAD ENDS	20' MIN. UNLIMITED IF WIDTH IS 2.5 X THAN DEPTH	1020.4, EXCEPTION 3
MINIMUM NUMBER OF EXITS	OCCUPANCY MIN. NUMBER OF EXITS	1006.3.1
	1-500 2	
	500-1000 3	
	>1000 4	
DAY CARE MEANS OF EGRESS	DAY CARE FACILITIES, ROOMS & SPACES WITH MORE THAN 10 CHILDREN, 2.5 YEARS OR LESS, SHALL HAVE TWO EXITS OR EXIT DOORWAYS	1006.2.2.4
EXIT DISCHARGE		
RAMPS	1:12 MAX. 1:20 MIN	1012.2
SLOPE	1:12 MAX. 1:20 MIN	1012.2

BASED ON 2017 OBC															
PLUMBING FIXTURE TOTALS															
SUBTOTAL	OCCUPANCY		WATER CLOSETS		URINALS PERMITTED FOR SUBSTITUTION		WATER CLOSETS MINUS URINALS		LAVATORIES		BATHS & SHOWERS	DRINKING FOUNTAINS	SERVICE SINKS	KITCHEN SINKS	AUTO CLOTHES WASHER CONNS
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE					
TOTAL	532		8		2		6		4		0	2	1	0	0

PLUMBING FIXTURE CALCULATOR														
CLASSIFICATION	OCCUPANCY TYPE	DESCRIPTION	OCCUPANCY TOTAL	GENDER OCCUPANCY TOTALS		WATER CLOSETS		URINALS		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
				MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE			
ASSEMBLY	A-3	Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, academies and gymnasiums	400	200	200	1.60	3.08	1.06	1.00	1.00	-	0.80	-	1 SERVICE SIGN
ASSEMBLY	A-5	Assembly uses intended for participation in or viewing outdoor activities including, but not limited to bleachers, grandstands, stadiums	87	43	44	0.573333	1.1	0.3784	0.215	0.293333	-	0.087	-	1 SERVICE SIGN
BUSINESS	B	Buildings for the transaction of business, profess. services, other services involving merchandise, office bldgs, banks, light industrial and similar uses	27	13	14	0.52	0.56	0.25	0.33	0.35	-	0.27	-	1 SERVICE SIGN
EDUCATIONAL	E	Educational facilities	0	0	0	0.00	0.00	0.00	0.00	0.00	-	0.00	-	1 SERVICE SIGN
INSTITUTIONAL	I-4	Adult day care and child day care	0	0	0	0.00	0.00	0.00	0.00	0.00	-	0.00	-	1 SERVICE SIGN
STORAGE	S-1/S-2	Structures for the storage of goods, warehouses, storerooms and freight depots, low and moderate hazard	18	9	9	0.09	0.09	0.04	0.09	0.09	-	0.02	-	1 SERVICE SIGN

NOTES:
 • ALL CALCULATIONS BASED ON 2017 OBC
 • FILL IN THE BLUE AREAS (OCCUPANCY, URINALS, MISCELLANEOUS ITEMS) TO CALCULATE TOTALS
 • LOWER TABLE CAN BE HIDDEN BY UNCHECKING THE SHOW WORK YES/NO PARAMETER

OCCUPANCY LOAD PER USE GROUP		OCCUPANCY LOAD PER USE LEVEL	
USE GROUP	OCC LOAD	USE LEVEL	OCC LOAD
A-3	400	FIRST FLOOR	
A-5	87	A-3	345
B	27	B	27
S-2	19	S-2	10
Grand total	533		382
		MEZZANINE	
		S-2	2
			2
		UPPER LEVEL	
		A-3	55
		A-5	87
		S-2	7
			149
		Grand total	533

TYPE IIB w/ NFPA13

EQUATION 5-3
 $A_a = [28,500 + (9,500 * .75)]$
 $A_a = [28,500 + (7,125)]$
 $A_a = 35,625$ ALLOWABLE AREA PER STORY

EQUATION 5-4
 $W = [(235 * XX) + (98 * XX) + (235 * XX) + (98 * XX) / 666]$
 $W = XX$, NO GREATER THAN 30

EQUATION 5-5
 $I_f = [666/666 - .25]30/30$
 $I_f = .75$, 75% TOTAL INCREASE

GENERAL NOTES - CODE PLAN	RATED WALL LEGEND	OCCUPANCY TAGS	USE GEUP AREA TYPE	#	DATE	CHANGE DESCRIPTION																
1. TBD	<ul style="list-style-type: none"> NEW NON-RATED INTERIOR PARTITION EXISTING PARTITION NEW 1 HOUR FIRE RATED PARTITION TO DECK 	<table border="1"> <tr> <td>STAIR</td> <td>OCCUPANT FLOW 0.0</td> <td>DOOR</td> <td>OCCUPANT FLOW 0</td> </tr> <tr> <td></td> <td>WIDTH (IN) 0'</td> <td></td> <td>WIDTH (IN) 0'</td> </tr> <tr> <td></td> <td>FACTOR (IN/OCC) 0.20</td> <td></td> <td>FACTOR (IN/OCC) 0.2</td> </tr> <tr> <td></td> <td>EGRESS CAPACITY 0.0</td> <td></td> <td>EGRESS CAPACITY 0</td> </tr> </table>	STAIR	OCCUPANT FLOW 0.0	DOOR	OCCUPANT FLOW 0		WIDTH (IN) 0'		WIDTH (IN) 0'		FACTOR (IN/OCC) 0.20		FACTOR (IN/OCC) 0.2		EGRESS CAPACITY 0.0		EGRESS CAPACITY 0	<ul style="list-style-type: none"> A-3 ASSEMBLY A-5 ASSEMBLY AMENITY DECK B BUSINESS AMENITY DECK UNOCCUPIED S-2 STORAGE - LOW HAZARD 			
STAIR	OCCUPANT FLOW 0.0	DOOR	OCCUPANT FLOW 0																			
	WIDTH (IN) 0'		WIDTH (IN) 0'																			
	FACTOR (IN/OCC) 0.20		FACTOR (IN/OCC) 0.2																			
	EGRESS CAPACITY 0.0		EGRESS CAPACITY 0																			
CODED NOTE LEGEND	FIRE EQUIPMENT LEGEND	ROOM TABLE	EGRESS TRAVEL DISTANCE																			
<ul style="list-style-type: none"> PER OWNER'S REQUEST 1-HOUR FIRE RESISTANT RATED PARTITIONS AND 45 MINUTE FIRE RATED DOOR, FRAME AND HARDWARE HAVE BEEN PROVIDED FOR THE BOOK DROP. KNOX BOX, SEE SPECIFICATIONS TO 41 16 ROOF ACCESS/ALTERNATING TREAD FIRE ALARM/ANNUNCIATOR PANEL FIRE DEPARTMENT CONNECTION AUTOMATED EXTERNAL DEFIBRILLATOR (AED) ASSEMBLY OCCUPANT SIGN 	<ul style="list-style-type: none"> FIRE EXTINGUISHER FIRE EXTINGUISHER AND CABINET, FULLY RECESSED FIRE EXTINGUISHER / VALVE CABINET FIRE DEPARTMENT / VALVE CABINET AUTOMATED/EXTERNAL DEFIBRILLATOR 	<table border="1"> <tr> <td>ROOM</td> <td>NAME</td> <td>101</td> </tr> <tr> <td>OCCUPANCY GROUP</td> <td>A-1</td> <td>150 SF</td> </tr> <tr> <td>OCCUPANT LOAD</td> <td>OCC</td> <td>OCC LOAD</td> </tr> </table>	ROOM	NAME	101	OCCUPANCY GROUP	A-1	150 SF	OCCUPANT LOAD	OCC	OCC LOAD	<ul style="list-style-type: none"> XX PATH										
ROOM	NAME	101																				
OCCUPANCY GROUP	A-1	150 SF																				
OCCUPANT LOAD	OCC	OCC LOAD																				

STAIR	OCCUPANT FLOW	56.0
	WIDTH (IN)	44"
	FACTOR (IN/OCC)	0.30
	EGRESS CAPACITY	146.0

WATER	S-2	79 SF	1
	300		

JAN STORAGE	122	TIBUBLE	V120
S-2	66 SF	1	151 SF
	300		2

DOOR	OCCUPANT FLOW	126.0
	WIDTH (IN)	68"
	FACTOR (IN/OCC)	0.20
	EGRESS CAPACITY	1340.0

BOOK DROP	B	21 SF	1
	100		

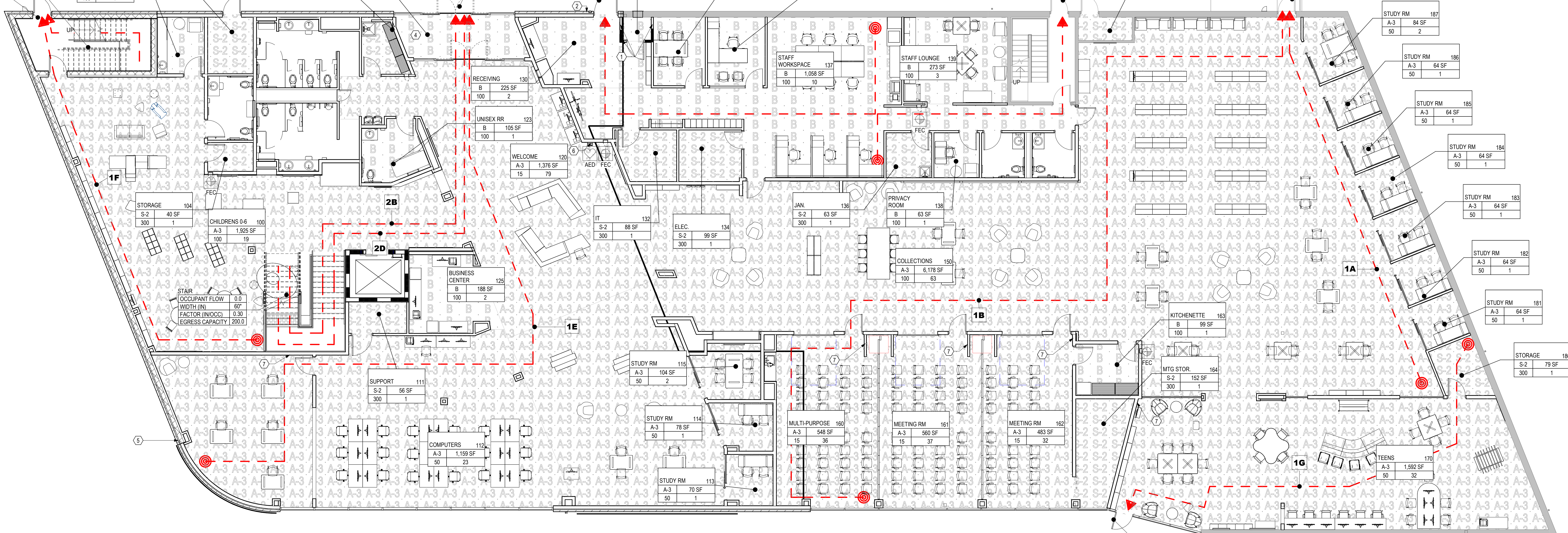
CONF.	B	109 SF	2
	100		

OFFICE	B	121 SF	1
	100		

DOOR	OCCUPANT FLOW	126.0
	WIDTH (IN)	33"
	FACTOR (IN/OCC)	0.20
	EGRESS CAPACITY	165.0

DOOR	OCCUPANT FLOW	126.0
	WIDTH (IN)	33"
	FACTOR (IN/OCC)	0.20
	EGRESS CAPACITY	165.0

DOOR	OCCUPANT FLOW	126.0
	WIDTH (IN)	33"
	FACTOR (IN/OCC)	0.20
	EGRESS CAPACITY	165.0



1 PLAN LEVEL 01 - CODE PLAN
1/8" = 1'-0"

GENERAL NOTES - CODE PLAN

1. TBD

CODED NOTE LEGEND

- ① PER OWNER'S REQUEST 1-HOUR FIRE RESISTANT RATED PARTITIONS AND 45 MINUTE FIRE RATED DOOR, FRAME AND HARDWARE HAVE BEEN PROVIDED FOR THE BOOK DROP.
- ② KNOX BOX, SEE SPECIFICATIONS 10 41 16
- ③ ROOF ACCESS/ALTERNATING TREAD
- ④ FIRE ALARM/ANNUNCIATOR PANEL
- ⑤ FIRE DEPARTMENT CONNECTION
- ⑥ AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
- ⑦ ASSEMBLY OCCUPANT SIGN

RATED WALL LEGEND

- NEW NON-RATED INTERIOR PARTITION
- EXISTING PARTITION
- NEW 1 HOUR FIRE RATED PARTITION TO DECK

FIRE EQUIPMENT LEGEND

- FIRE EXTINGUISHER
- FIRE EXTINGUISHER AND CABINET, FULLY RECESSED
- FIRE EXTINGUISHER / VALVE CABINET
- FIRE DEPARTMENT / VALVE CABINET
- AUTOMATED EXTERNAL DEFIBRILLATOR

OCCUPANCY TAGS

STAIR	OCCUPANT FLOW	0.0
	WIDTH (IN)	0"
	FACTOR (IN/OCC)	0.20
	EGRESS CAPACITY	0.0

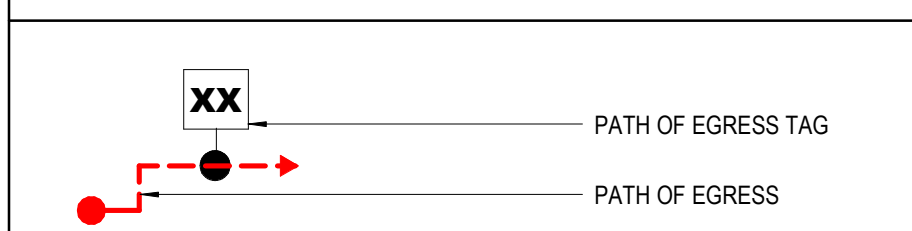
LEVEL 01 OCCUPANT LOAD: 379
LEVEL 01 EXIT CAPACITY: 1,165

ROOM	NAME	101	ROOM SF
	A-1	150 SF	
	OCC	OCC LOAD	OCCUPANT LOAD FACTOR

USE GEUP AREA TYPE

	A-3 ASSEMBLY		AMENITY DECK UNOCCUPIED
	A-5 ASSEMBLY AMENITY DECK		S-2 STORAGE - LOW HAZARD
	B BUSINESS		

EGRESS TRAVEL DISTANCE



EGRESS EXIT ROUTE	EGRESS PATH DISTANCE	ALLOWABLE DISTANCE	TYPE
1A	70'-0"	250'-0"	TOTAL
1B	184'-6"	250'-0"	TOTAL
1C	57'-6"	250'-0"	TOTAL
1D	104'-0"	250'-0"	TOTAL
1E	113'-6"	250'-0"	TOTAL
1F	77'-6"	250'-0"	TOTAL
1G	83'-0"	250'-0"	TOTAL
2A	186'-6"	250'-0"	TOTAL
2B	178'-0"	250'-0"	TOTAL
2C	97'-0"	250'-0"	TOTAL
2D	171'-6"	250'-0"	TOTAL

DATE CHANGE DESCRIPTION

#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
2223 CLEVELAND AVE
COLUMBUS, OH 43211
FOR
COLUMBUS METROPOLITAN LIBRARY

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881

DRAWING TITLE:

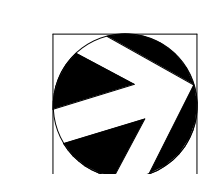
LEVEL 01 - CODE PLAN

NOVEMBER 21, 2023
DRAWN BY: XXXX CHECKED BY: XXXX
Proj. # 21507.02
G101
PERMIT SET

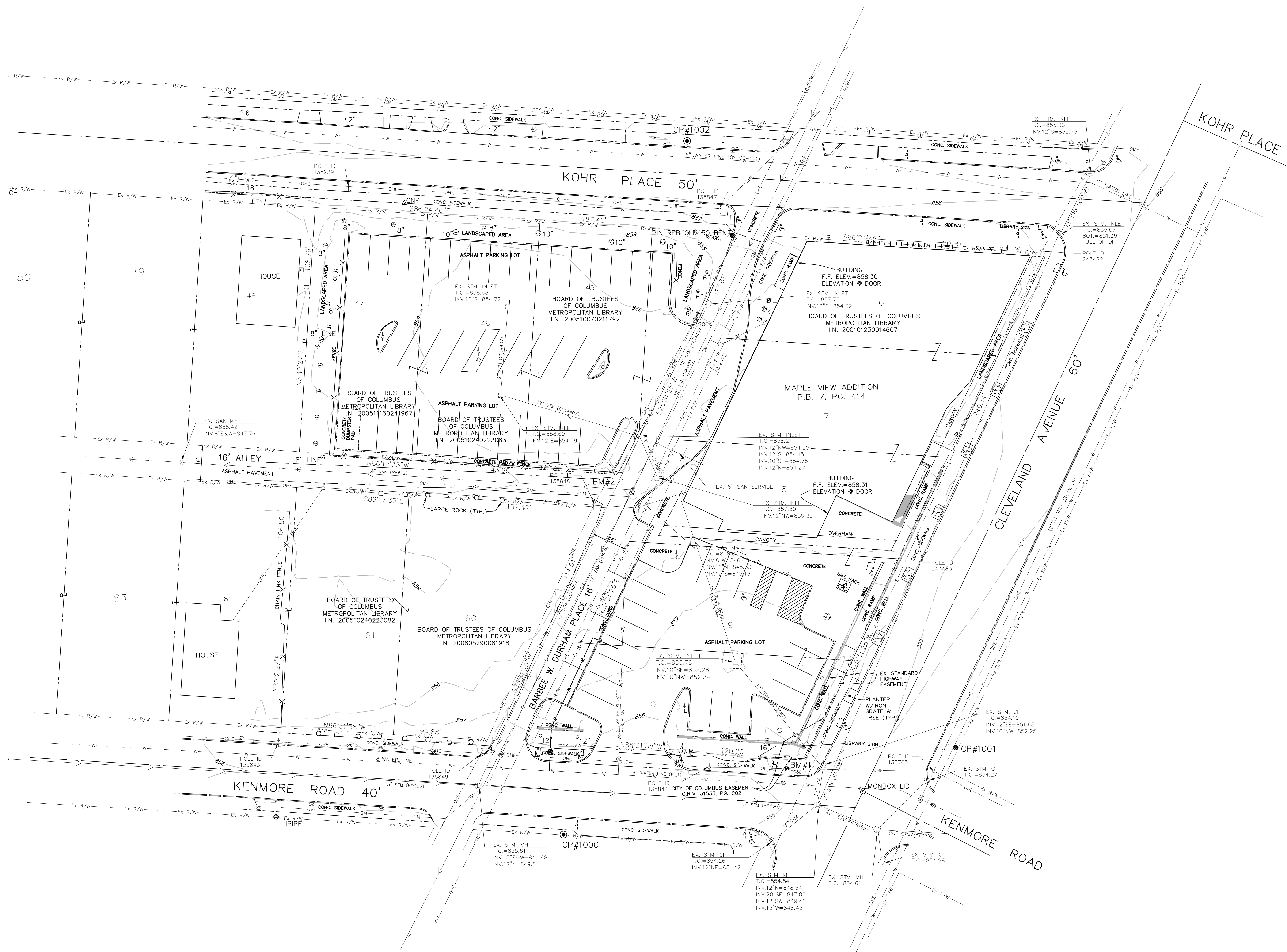
JONATHAN D. MOODY, LIC. #1215709
EXP. DATE: 12/31/2023



1 PLAN UPPPER LEVEL - LIFESAFETY
1/8" = 1'-0"



GENERAL NOTES - CODE PLAN	RATED WALL LEGEND	OCCUPANCY TAGS	USE GEUP AREA TYPE	#	DATE	CHANGE DESCRIPTION																																																										
1. TBD	<ul style="list-style-type: none"> NEW NON-RATED INTERIOR PARTITION EXISTING PARTITION NEW 1 HOUR FIRE RATED PARTITION TO DECK 	<p>STAIR</p> <table border="1"> <tr><td>OCCUPANT FLOW</td><td>0.0</td></tr> <tr><td>WIDTH (IN)</td><td>0"</td></tr> <tr><td>FACTOR (IN/OCC)</td><td>0.20</td></tr> <tr><td>EGRESS CAPACITY</td><td>0.0</td></tr> </table> <p>DOOR</p> <table border="1"> <tr><td>OCCUPANT FLOW</td><td>0</td></tr> <tr><td>WIDTH (IN)</td><td>0"</td></tr> <tr><td>FACTOR (IN/OCC)</td><td>0.2</td></tr> <tr><td>EGRESS CAPACITY</td><td>0</td></tr> </table> <p>LEVEL 02 OCCUPANT LOAD: 148 LEVEL 02 EXIT CAPACITY: 680</p> <table border="1"> <tr><th>ROOM</th><th>NAME</th><th>ROOM SF</th></tr> <tr><td>101</td><td>A-1</td><td>150 SF</td></tr> <tr><th>OCCUPANCY GROUP</th><th>OCC</th><th>OCC LOAD</th><th>ROOM SF</th><th>OCCUPANT LOAD FACTOR</th></tr> </table>	OCCUPANT FLOW	0.0	WIDTH (IN)	0"	FACTOR (IN/OCC)	0.20	EGRESS CAPACITY	0.0	OCCUPANT FLOW	0	WIDTH (IN)	0"	FACTOR (IN/OCC)	0.2	EGRESS CAPACITY	0	ROOM	NAME	ROOM SF	101	A-1	150 SF	OCCUPANCY GROUP	OCC	OCC LOAD	ROOM SF	OCCUPANT LOAD FACTOR	<table border="1"> <tr><td>A-3 ASSEMBLY</td><td>AMENITY DECK UNOCCUPIED</td></tr> <tr><td>A-5 ASSEMBLY AMENITY DECK</td><td>S-2 STORAGE - LOW HAZARD</td></tr> <tr><td>B BUSINESS</td><td></td></tr> </table>	A-3 ASSEMBLY	AMENITY DECK UNOCCUPIED	A-5 ASSEMBLY AMENITY DECK	S-2 STORAGE - LOW HAZARD	B BUSINESS																													
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EGRESS EXIT ROUTE	EGRESS PATH DISTANCE	ALLOWABLE DISTANCE	TYPE																																																													
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LEGEND

- SIGN
- ⊙ WATER VALVE
- ⊙ SANITARY MANHOLE
- ⊙ STORM SEWER MANHOLE
- ⊙ TELEPHONE BOX
- ⊙ UTILITY BOX
- ⊙ MONUMENT BOX FOUND
- ⊙ POST
- FENCE
- ⊙ WATERLINE METER
- ⊙ ELECTRIC BOX
- ⊙ MAG NAIL SET
- ⊙ WATER LINE SERVICE BOX
- ⊙ GROUND LIGHT
- STORM SEWER INLET
- WATERLINE
- SANITARY SEWER
- STORM SEWER
- OVERHEAD UTILITY LINES
- ⊙ FIRE HYDRANT
- ⊙ UTILITY BOX
- ⊙ LIGHT POLE
- GAS LINE
- WATER LINE
- ⊙ GAS METER
- ⊙ IRON PIN SET
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND COMMUNICATION LINE

NOTES

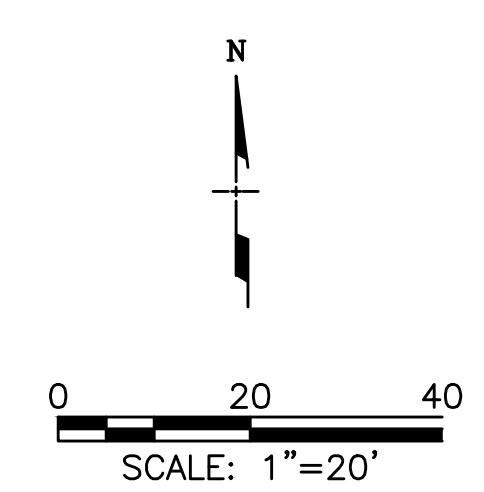
- 1) According to F.E.M.A. Map Panels 39049C0189K and 39049C0188K, dated June 17, 2008, the area shown hereon is located in Flood Zone "X", area of minimal flood hazard.
- 2) Utilities shown hereon are based on field locations, plan information and OUPS markings.

BEARING REFERENCE

BEARINGS HEREIN ARE BASED ON GPS OBSERVATIONS UTILIZING THE OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE.

CONTROL POINTS & BENCH MARKS

- CP#1000** 5/8" REBAR SET "BI GROUP"
N=733205.750
E=1837188.428
ELEV.=855.85
- CP#1001** MAG NAIL SET
N=733244.429
E=1837362.516
ELEV.=854.94
- CP#1002** 5/8" REBAR SET "BI GROUP"
N=733513.891
E=1837243.368
ELEV.=856.92
- BM#1** CUT "X" ON NORTH BOLT OF FIRE HYDRANT LOCATED AT THE NORTHWEST CORNER OF CLEVELAND AVE. AND KENMORE AVENUE.
ELEV.=857.33 (NAVD 88)
- BM#2** TOP OF STONE ON RETAINING WALL LOCATED 145 FEET SOUTH OF KOHR PLACE AND WEST SIDE OF BARBEE W. DURHAM PLACE.
ELEV.=859.43 (NAVD 88)



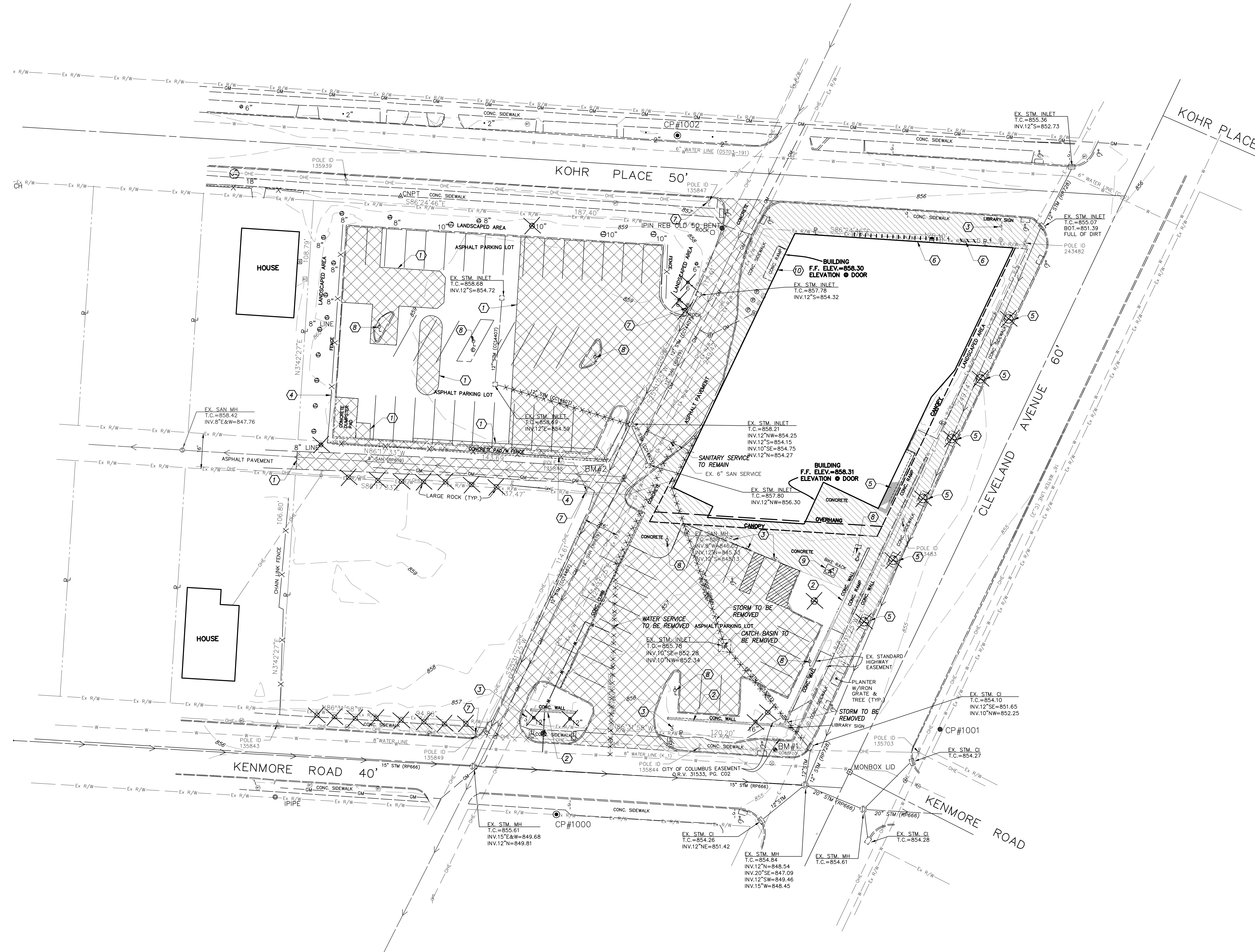
#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
2223 CLEVELAND AVENUE
COLUMBUS, OH 43211
COLUMBUS METROPOLITAN LIBRARY

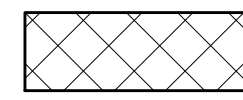

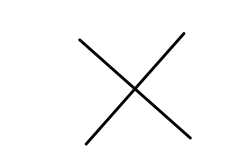
MOODY ENGINEERING
300 SPRUCE STREET
SUITE 200
COLUMBUS, OHIO 43215
P: 614 280 8999
MOODY-ENG.COM

SURVEY

PROGRESS DRAWING NOT FOR CONSTRUCTION	11/21/2023
	DRAWN BY: . . . CHECKED BY: . . .
	ME#21078
	C100
CONSTRUCTION DOCUMENTS	



LEGEND

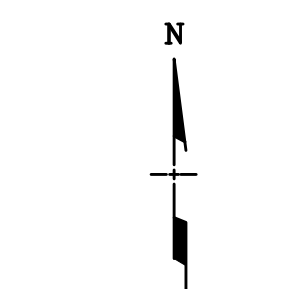
-  PAVEMENT AND CURB TO BE REMOVED
-  CONCRETE SIDEWALK TO BE REMOVED
-  TREE/ROCK TO BE REMOVED

CODED NOTES

- ① FULL DEPTH PAVEMENT SAWCUT
- ② WALL TO BE REMOVED
- ③ SIGN TO BE REMOVED
- ④ FENCE TO BE REMOVED
- ⑤ PLANTER TO BE REMOVED
- ⑥ SCOOTER/BIKE RENTAL TO REMAIN
- ⑦ UTILITY POLE TO BE RELOCATED
- ⑧ POLE TO BE REMOVED
- ⑨ BIKE RACK TO BE REMOVED
- ⑩ CONCRETE RAMP TO BE RECONSTRUCTED

NOTES

SEE MEP PLANS FOR SITE ELECTRIC & COMMUNICATION LINES AND LIGHTING DEMOLITION



0 20 40
SCALE: 1"=20'

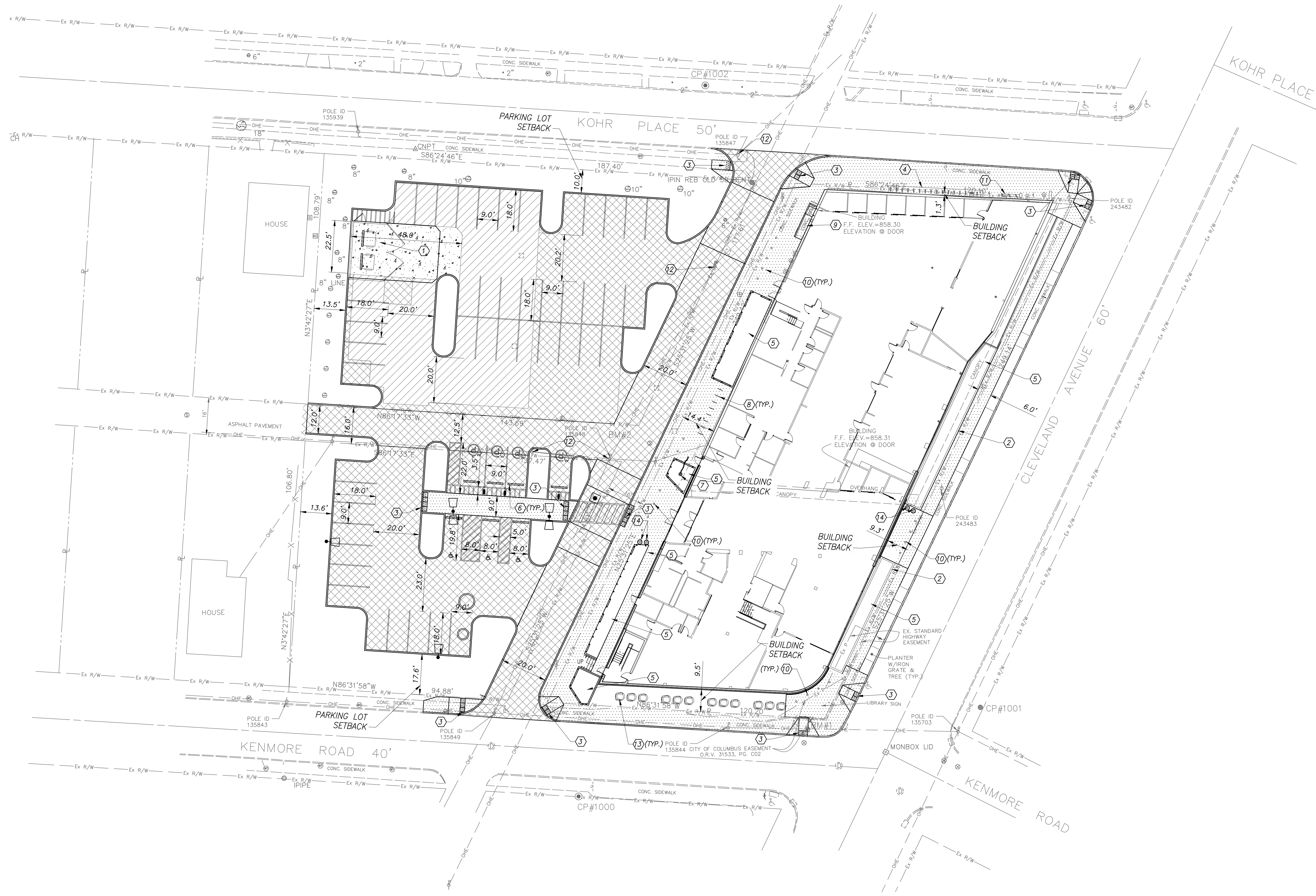
#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
 2223 CLEVELAND AVENUE
 COLUMBUS, OH 43211
 COLUMBUS METROPOLITAN LIBRARY

MOODY ENGINEERING
 300 SPRUCE STREET
 SUITE 200
 COLUMBUS, OHIO 43215
 P: 614 280 8999
 MOODY-ENG.COM

DEMOLITION PLAN

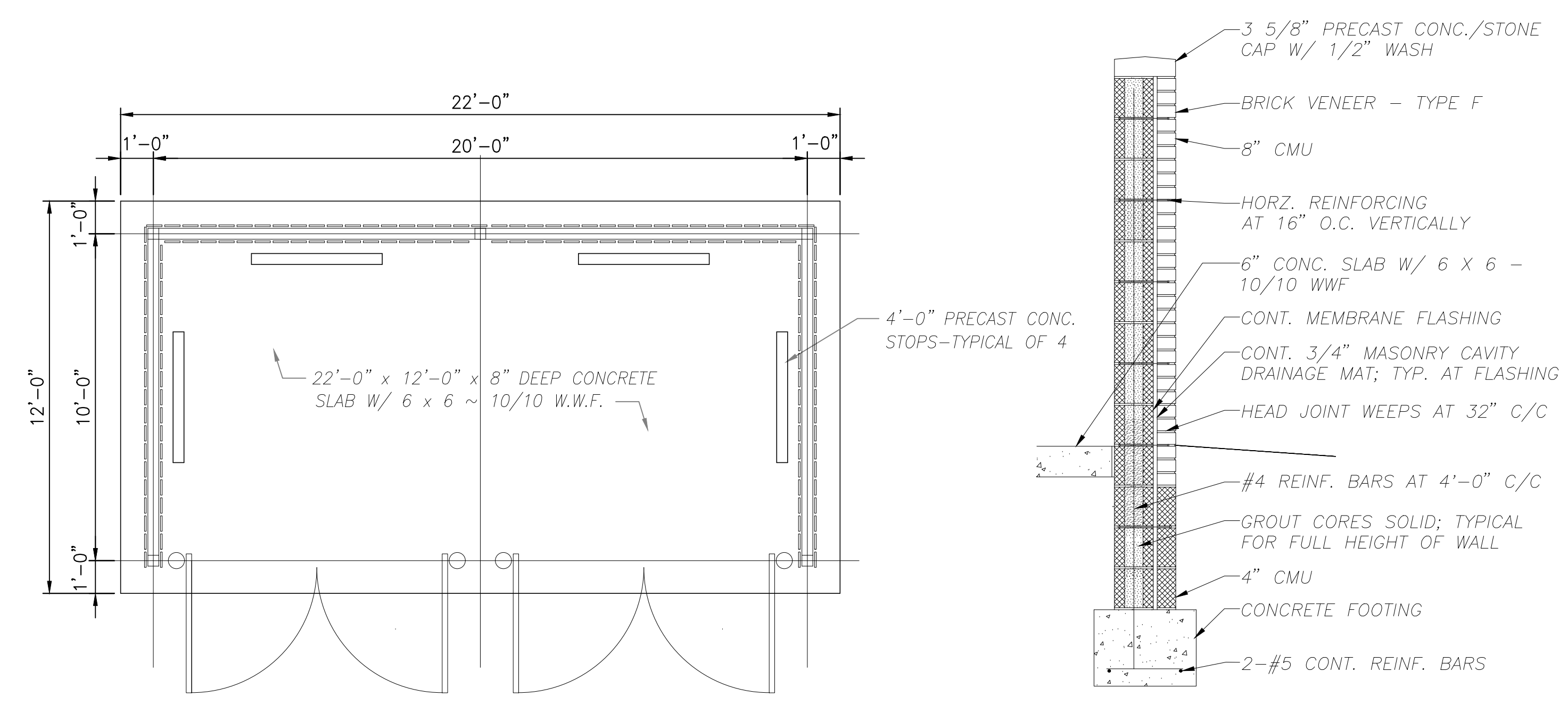
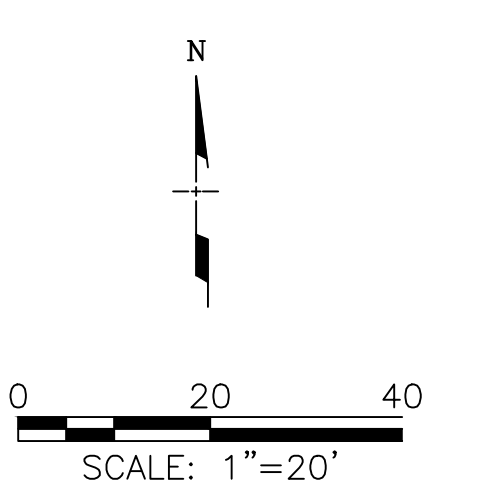
11/21/2023
 DRAWN BY: . . . CHECKED BY: . . .
 ME#21078
C101
 CONSTRUCTION DOCUMENTS



LEGEND

	ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	HEAVY DUTY CONCRETE
	PAVEMENT RESURFACING

- CODING NOTES**
- ① PR. DUMPSTER ENCLOSURE - SEE DETAIL THIS SHEET
 - ② PR. 3' RETAINING WALL
 - ③ PR. DETECTABLE WARNING
 - ④ EX. COGO BIKE RENTAL TO REMAIN
 - ⑤ PR. PLANTING BED
 - ⑥ PR. WHEEL STOP
 - ⑦ PR. FLAG POLE
 - ⑧ PR. BIKE RACK
 - ⑨ EX. CONCRETE RAMP TO BE RECONSTRUCTED
 - ⑩ PR. BOLLARD
 - ⑪ EX. SCOOTER RENTAL TO REMAIN
 - ⑫ EX. UTILITY POLE TO BE RELOCATED
 - ⑬ PR. BOULDER
 - ⑭ PR. REFUSE BINS



① DUMPSTER ENCLOSURE
NO SCALE

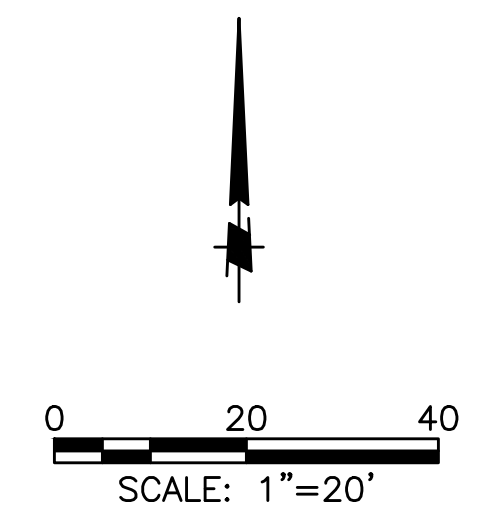
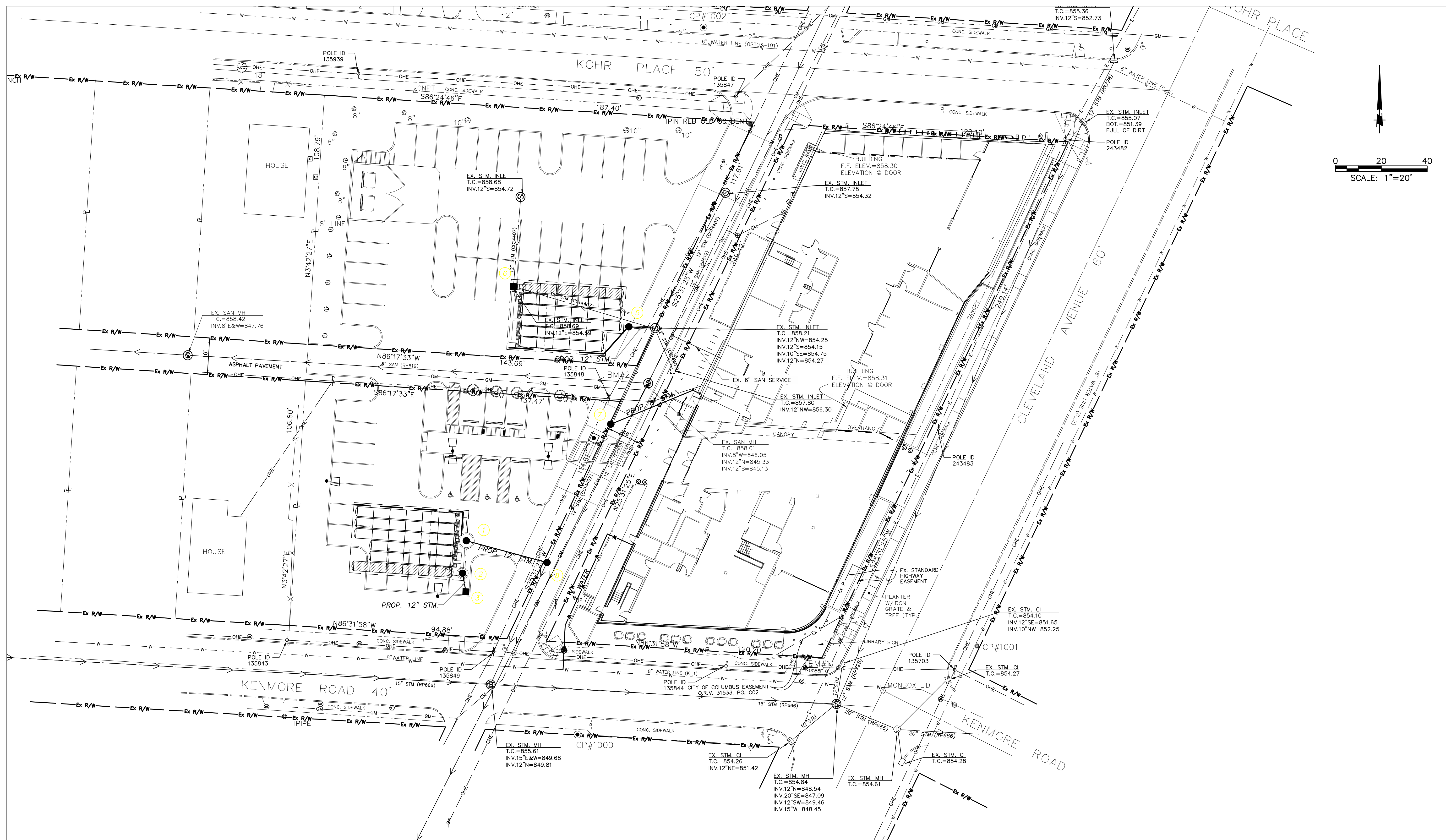
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CML LINDEN BRANCH
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SUITE 200
COLUMBUS, OHIO 43215
P: 614 280 8999
MOODY-ENG.COM

SITE LAYOUT PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION	DRAWN BY: _____ CHECKED BY: _____
	11/21/2023 ME#21078
	C201 CONSTRUCTION DOCUMENTS



DRAWING: P:\21078_04_Linden Branch\CAD\21078 Water Service Plan.dwg
November 21, 2023, 3:27pm

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
VOL.	PAGE				

PLAN PREPARED BY:

MOODY ENGINEERING
300 SPRUCE STREET
SUITE 200
COLUMBUS, OHIO 43215
P. 614 280 8999
HOODY-ENG.COM

REGISTERED ENGINEER DATE

APPROVED FOR
GENERAL ARRANGEMENTS
ONLY

DIVISION OF WATER
CITY OF COLUMBUS

PROJECT TITLE:
COLUMBUS METROPOLITAN LIBRARY
LINDEN BRANCH
2223 CLEVELAND AVE.
COLUMBUS, OH 43211

PARCEL ID: 010-060963

WSP####

SHEET: 1/2

Final Site Compliance Plan #		
DPS Improvements in the Right-of-Way	No DPS Improvements in the Right-of-Way	Other Associated Plans
Home E	CC	MSR
#	DATE	CHANGE DESCRIPTION

**COLUMBUS METROPOLITAN LIBRARY
LINDEN BRANCH**

2223 CLEVELAND AVE.
COLUMBUS, OHIO 43211

MOODY ENGINEERING
300 SPRUCE STREET
SUITE 200
COLUMBUS, OHIO 43215
P. 614 280 8999
HOODY-ENG.COM

DRAWING TITLE:
**SITE GRADING & UTILITY
PLAN**

PROGRESS DRAWING NOT FOR CONSTRUCTION	11/21/23
	DRAWN BY: MAB CHECKED BY: MSL
	ME#21078
	C301
CONSTRUCTION DOCUMENTS	

WATER SERVICE NOTES

NO WATER SERVICE CONSTRUCTION, BEFORE OR AFTER THE WATER METER(S), SHALL BEGIN PRIOR TO FEE PAYMENT TO THE UTILITY PERMITS OFFICE AT 111 N. FRONT STREET (614-645-7330).

THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC), 2018 EDITION AND ALL REVISIONS, INCLUDING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN THIS IMPROVEMENT, UNLESS OTHERWISE NOTED.

ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT APPROVED MATERIALS LIST AND RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER, UNLESS OTHERWISE SHOWN ON THE PLANS OR APPROVED BY THE CITY OF COLUMBUS DIVISION OF WATER. ONLY PRODUCTS LISTED ON THE CURRENT APPROVED MATERIALS LIST WILL BE PERMITTED TO BE INSTALLED.

IT SHALL BE UNLAWFUL FOR ANY PERSON TO PERFORM ANY WORK ON THE PUBLIC WATER DISTRIBUTION SYSTEM WITHOUT FIRST SECURING A LICENSE TO ENGAGE IN SUCH WORK, AS INDICATED IN COLUMBUS CITY CODE SECTIONS 1103.02 AND 1103.06. THIS WORK INCLUDES ANY ATTACHMENTS, ADDITIONS TO OR ALTERATIONS IN ANY CITY SERVICE PIPE OR APPURTENANCES (INCLUDING WATER SERVICE LINES AND WATER SERVICE TAPS) REQUIREMENT MAY BE MET BY UTILIZATION OF A SUBCONTRACTOR WHO POSSESSES A CITY OF COLUMBUS WATER CONTRACTOR LICENSE OR A COMBINED WATER/SEWER CONTRACTOR LICENSE TO PERFORM THIS WORK. UTILIZATION OF A SUBCONTRACTOR MUST MEET THE LICENSING REQUIREMENTS OF CITY OF COLUMBUS BUILDING CODE, IN PARTICULAR SECTIONS 4114.119 AND 4114.329.

FOR ANY EMERGENCIES THAT OCCUR AFTER NORMAL WORKING HOURS INVOLVING THE WATER DISTRIBUTION SYSTEM, PLEASE CONTACT THE DIVISION OF WATER DISTRIBUTION MAINTENANCE OFFICE AT 614-645-7788.

SITE UTILITY CONTRACTOR SHALL OBTAIN A RIGHT OF WAY PERMIT PRIOR TO THE START OF ANY WATER SERVICE LINE AND/OR WATER SERVICE TAP INSTALLATION OR ANY PLACEMENT OF WATER SERVICE MATERIALS INTO THE PUBLIC RIGHT OF WAY.

SITE UTILITY CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY OF COLUMBUS--CITY FORESTER AT 614-645-6640 FOR ANY WORK DONE WITHIN 10 FEET OF A TREE IN THE RIGHT OF WAY.

THERE SHALL BE A 10 FOOT MINIMUM HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN WATER SERVICE TAP(S), WATER SERVICE LINE(S), PRIVATE WATER SYSTEMS AND ANY SANITARY AND/OR STORM SEWER SYSTEMS.

EXISTING RIGHT OF WAY LINE(S), PROPOSED RIGHT OF WAY LINE(S) AND/OR WATER MAIN EASEMENT LINES SHALL BE STAKED AT 10 FOOT INTERVALS BY A STATE OF OHIO LICENSED SURVEYOR WHEN THE WATER SERVICE TAP(S) AND/OR WATER SERVICE(S) ARE INSTALLED AND INSPECTED BY THE COLUMBUS DIVISION OF WATER.

ALL INSPECTIONS REQUIRE A 24 HOUR ADVANCE NOTICE.

SITE UTILITY CONTRACTOR SHALL FLUSH ALL WATER SERVICES PRIOR TO ANY WATER METER INSTALLATION. THE CITY OF COLUMBUS IS NOT RESPONSIBLE FOR ANY CITY WATER METER DAMAGE CAUSED BY NON-FLUSHING.

SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-7330 FOR INSPECTION AND HYDROSTATIC TEST OF 3" AND LARGER WATER SERVICE TAPS FROM THE WATER MAIN THRU THE CONTROL VALVE AND WATER SERVICES FROM THE CONTROL VALVE THRU THE WATER METER SETTING. HYDROSTATIC TEST SHALL BE PER CMSC ITEM 801.16 AND SHALL BE PERFORMED FROM THE WATER MAIN THRU THE WATER METER SETTING.

ALL 3" THRU 12" WATER SERVICE PIPE SHALL BE ONLY DUCTILE IRON FROM THE CITY WATER MAIN THRU THE CITY WATER METER SETTING(S) INCLUDING THE METER BYPASS.

ALL EXPOSED WATER MAIN AND ALL WATER SERVICE PIPE 3" AND LARGER SHALL BE POLYWRAPPED PER CMSC ITEM 801.03 TO A POINT 10 FOOT BEYOND THE RIGHT OF WAY VALVE(S).

3" AND LARGER METER SETTING(S) SHALL BE PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWINGS L-6317 A-E.

2" AND LARGER METERS SHALL BE PURCHASED AT THE UTILITY PERMITS OFFICE AT 111 N. FRONT STREET AND PICKED UP AT UTILITY METERING SERVICES AT 3568 INDIANOLA AVENUE.

BACKFLOW PREVENTION ASSEMBLY(S) SHALL BE INSTALLED, WHERE REQUIRED, PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWINGS L-8002 A THRU G. CONTRACTOR(S) SHALL CALL 614-645-8674 WITH BACKFLOW PREVENTION QUESTIONS. CONTRACTOR(S) SHALL CALL 614-645-5781 TO SCHEDULE BACKFLOW PREVENTION INSPECTION REQUESTS.

DOMESTIC WATER SERVICE BACKFLOW PREVENTER(S) SHALL MEET THE ASSE #1013 APPROVAL/STANDARD AND SHALL BE SIZED TO MATCH THE CITY WATER METER.

THE FIRE WATER SERVICE BACKFLOW PREVENTER(S) SHALL MEET THE APPROPRIATE ASSE APPROVAL/STANDARD AND SHALL BE EQUIPPED WITH A DETECTOR METER THAT IS IRON 100W (TOWER) OR 100N (REMOVABLE) COMPATIBLE, MEASURES IN CUBIC FEET AND MEETS THE ANNA C-700 STANDARD. FIRE WATER BACKFLOW PREVENTER(S) SHALL BE SIZED TO MATCH THE FIRE WATER SERVICE SIZE AND EQUIPPED WITH O.S.&Y. VALVES.

IF DOMESTIC AND/OR FIRE WATER SERVICE METER(S) AND/OR THEIR BACKFLOW PREVENTER(S) ARE TO BE LOCATED INSIDE AN ABOVE GROUND HEATED ENCLOSURE THAT IS ASSE #1060 CLASS 1 APPROVED. THE ENCLOSURE SHALL HAVE A THERMOSTATICALLY OPERATED HEATER. THE HEATER SHALL BE SIZED PER THE ENCLOSURE MANUFACTURERS SPECS TO MAINTAIN A 40 DEGREE FAHRENHEIT INSIDE TEMPERATURE AT AN OUTSIDE TEMPERATURE OF MINUS 30 DEGREE FAHRENHEIT. HEAT TAPE/ROGS WILL NOT BE PERMITTED.

BACKFLOW PREVENTION DEVICES MUST BE TESTED AT THE TIME OF INSTALLATION BY A TESTER APPROVED BY THE DIVISION OF WATER BACKFLOW COMPLIANCE OFFICE. A COMPLETE LIST OF APPROVED TESTERS CAN BE FOUND AT WWW.COLUMBUS.GOV/BACKFLOW/CONSUMERS. RESULTS MUST BE SUBMITTED THROUGH THE ONLINE WEB SUBMITTAL SYSTEM AT WWW.COLUMBUS.TOKAYTEST.COM.

UNDERGROUND PRIVATE WATER SYSTEM(S) AFTER THE CITY WATER METER(S)

SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-5781 FOR INSPECTION OF UNDERGROUND PRIVATE DOMESTIC AND/OR FIRE WATER SYSTEM(S) AFTER THE CITY WATER METER(S). THIS WILL INCLUDE DOMESTIC WATER LOOPS AND FIRE WATER LOOPS INCLUDING PRIVATE FIRE HYDRANTS THRU THE SITE BEFORE COVERING.

SITE UTILITY CONTRACTOR SHALL CALL CITY OF COLUMBUS - DIVISION OF FIRE AT 614-645-8673 FOR FLUSHING AND/OR PRESSURE TEST INSPECTION OF PRIVATE FIRE SYSTEM AFTER THE CITY WATER SERVICE METER AND BACKFLOW PREVENTER.

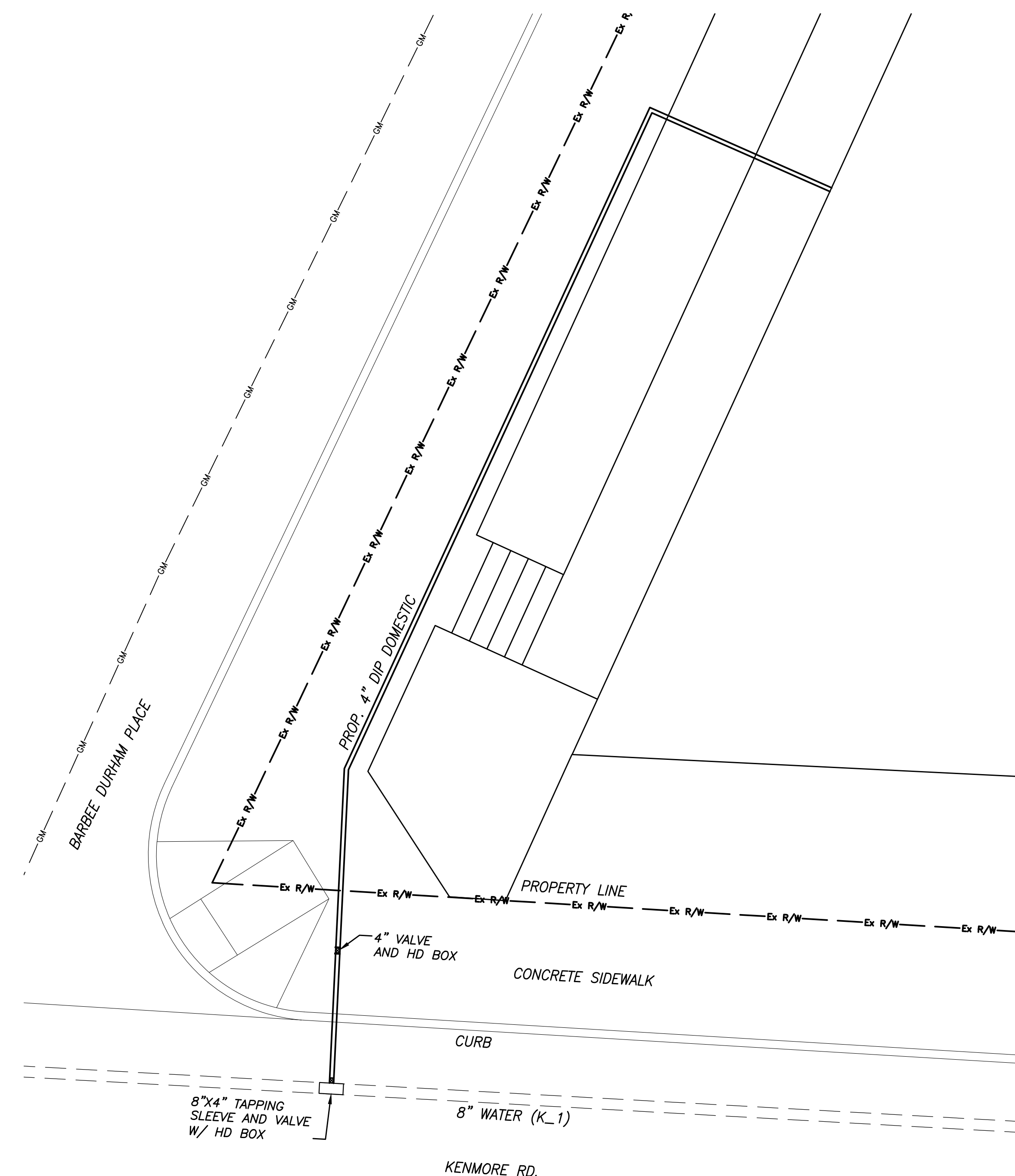
ALL PIPE MATERIAL FOR THE UNDERGROUND PRIVATE WATER SYSTEM AFTER THE CITY WATER METER SHALL MEET THE REQUIREMENTS OF THE LOCAL BUILDING AUTHORITY HAVING JURISDICTION.

WATER SERVICE SURVEY COORDINATE TABLE

DESCRIPTION	DESIGN NORTHING	DESIGN EASTING	AS-BUILT NORTHING	AS-BUILT EASTING
8"x4" TAPPING SLEEVE & VALVE	0.00	0.00		
4" VALVE	0.00	0.00		
4" BLDG ENTRY	0.00	0.00		

"WATER SERVICE SURVEY COORDINATE TABLE" SHALL INCLUDE THE HORIZONTAL LOCATION (NORTHING, EASTING) SURVEY COORDINATES FOR THE PROPOSED WATER SERVICE IMPROVEMENT. THE SURVEY COORDINATES SHALL BE OBTAINED FOR THE PROPOSED WATER SERVICE(S) AND SHALL INCLUDE ALL TAPPING SLEEVES, TEES, VALVES, FIRE HYDRANTS, BENDS, DEFLECTIONS, REDUCERS, PLUGS/CAPS, AND BUILDING ENTRY POINTS FROM THE CITY MAIN AND THROUGH THE METER SETTING. ALSO, BEYOND THE METER SETTING ANY PRIVATE HYDRANTS SHALL BE SHOWN ON THIS TABLE AS WELL. ALL SURVEY COORDINATES SHALL BE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83) WITH THE (1986) ADJUSTMENT, WITH FURTHER REFERENCE MADE TO THE OHIO STATE PLANE SOUTH COORDINATE SYSTEM, SOUTH ZONE. ALL COORDINATES (NORTHING, EASTING) SHALL BE REFERENCED TO THE NEAREST HUNDRETH (N xxxxxx.xx, E xxxxxx.xx). ALL SURVEY COORDINATES SHALL BE ACCURATE TO WITHIN 1.0 FOOT OR LESS.

ALL PROPERTY PINS AND MARKERS (EXISTING AND NEW) SHALL BE INCLUDED IN THE ABOVE COORDINATE TABLE.

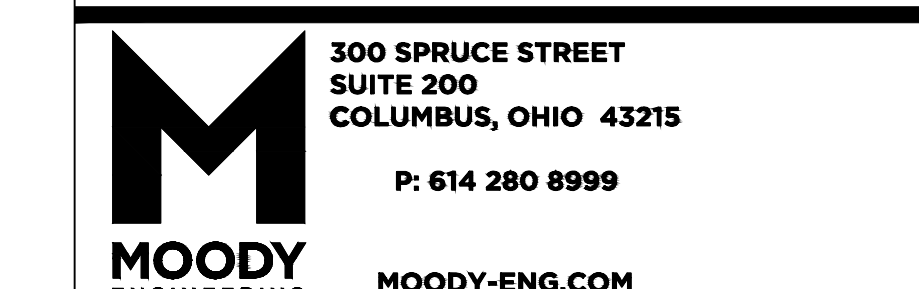


WATER SERVICE DETAIL
SCALE: 1"=5'

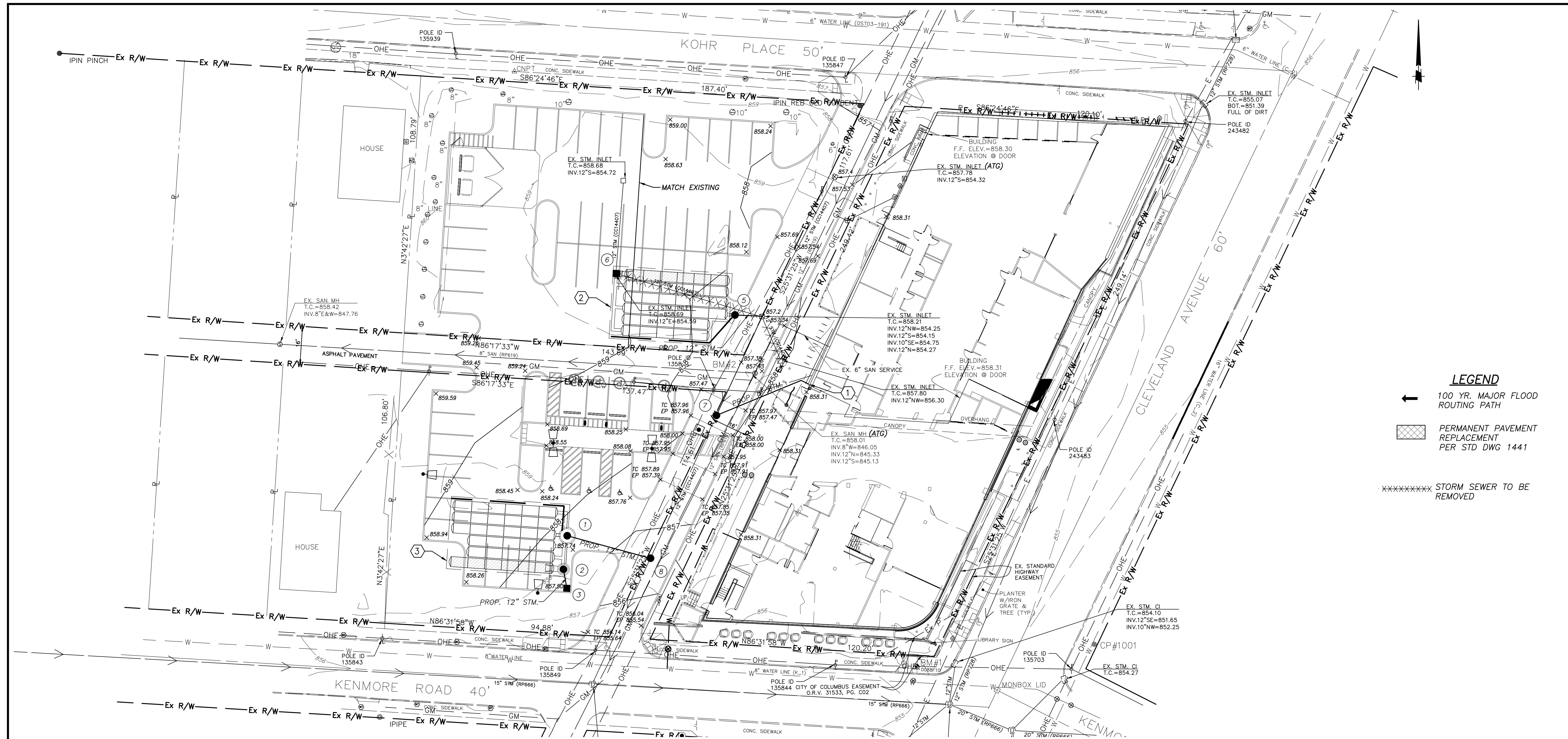
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CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		
	VOL.	PAGE				COLUMBUS METROPOLITAN LIBRARY LINDEN BRANCH 2223 CLEVELAND AVE. COLUMBUS, OH 43211 PARCEL ID: 010-060963	

Final Site Compliance Plan #		
DPS Improvements in the Right of Way	No DPS Improvements in the Right of Way	Other Associated Plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
#	DATE	CHANGE DESCRIPTION

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LEGEND

- 100 YR. MAJOR FLOOD ROUTING PATH
- PERMANENT PAVEMENT REPLACEMENT PER STD DWG 1441
- STORM SEWER TO BE REMOVED

CODED NOTES

- 1 CONNECT TO 8" STORM FROM ROOF. SEE PLUMBING PLANS.
- 2 STORMTECH SC-740 DETENTION SYSTEM, 2750 CU. FT. MIN STORAGE
- 3 STORMTECH SC-740 DETENTION SYSTEM, 2750 CU. FT. MIN STORAGE

NOTE: ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

SANITARY SEWER NOTICE

CONTACT SEWER PERMIT OFFICE, 111 N. FRONT ST. 1ST FLOOR 614-645-7490 FOR ANY WORK INVOLVING THE EXISTING SANITARY SERVICE LATERAL(S) OUTSIDE OF THE BUILDINGS, AND IF ANY NEW CONNECTIONS TO THE SANITARY MAINLINE ARE REQUIRED.

CONNECTION TO THE SANITARY SEWER CANNOT BE MADE WITHOUT A SEWER PERMIT, TO BE OBTAINED FROM THE DPU PERMIT OFFICE AT 111 NORTH FRONT STREET, 1st FLOOR, 614-645-7490

NOTE: SANITARY SERVICES ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE SANITARY SERVICES OR THEIR LOCATION. CONTACT THE DPU PERMIT OFFICE AT 111 N. FRONT STREET FOR SANITARY SERVICE APPROVAL.

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DATE: 11/21/2023 3:00pm

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CITY NO.	COUNTY RECORDER VOL.	PAGE	NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
300 SPRUCE STREET SUITE 200 COLUMBUS, OHIO 43215 P: 614 280 8999


STORM SEWER PLAN

PROJECT TITLE:	PUBLIC STORM SEWER FOR COLUMBUS METROPOLITAN LIBRARY LINDEN BRANCH 2223 CLEVELAND AVE.
DIVISION USE ONLY	OWNER CONTRACTOR
INSPECTOR	AGREEMENT RPD CKD CTD CON.DR.
COMPLETED	INDEX DETAIL RECORD FILE

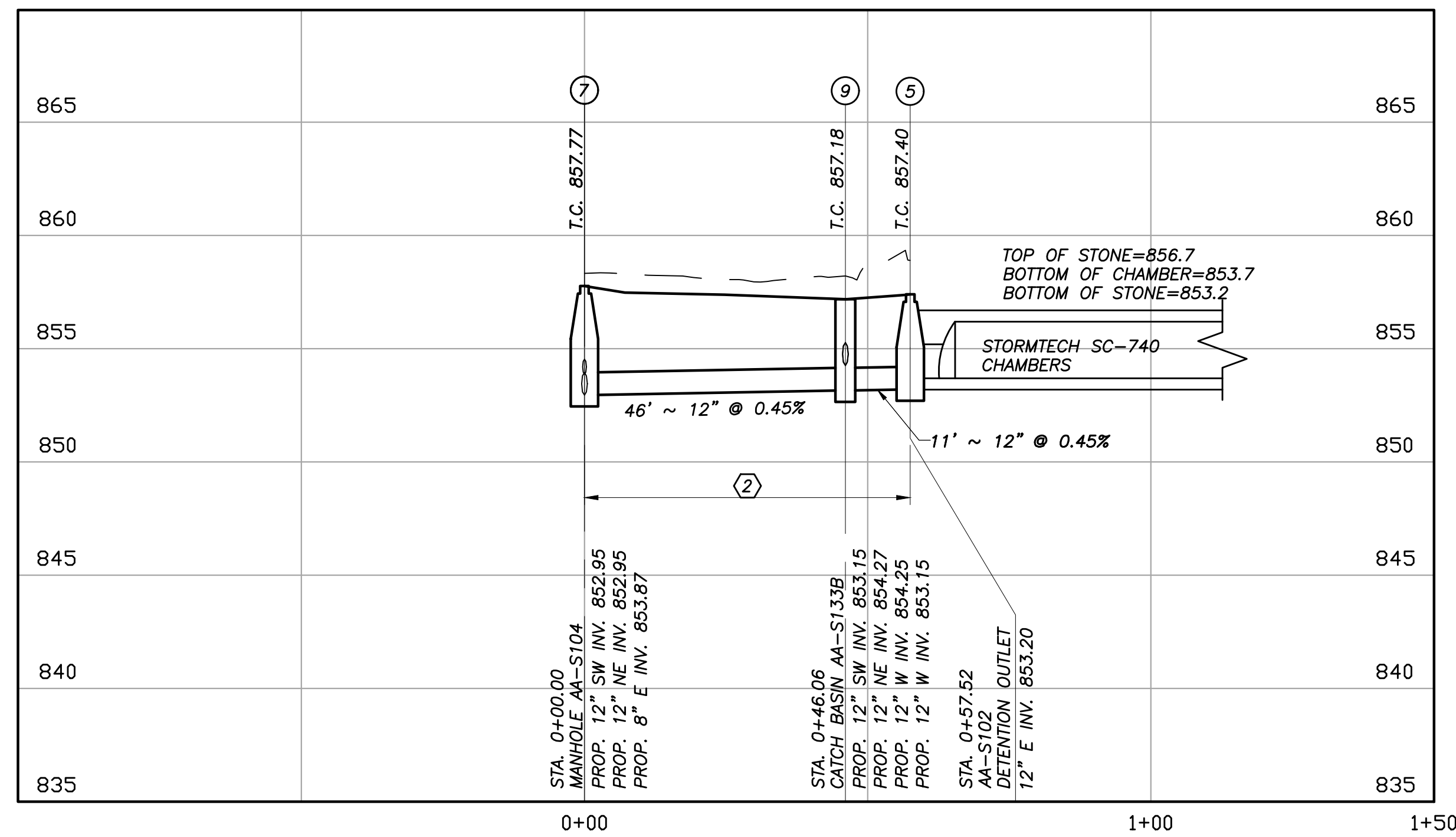
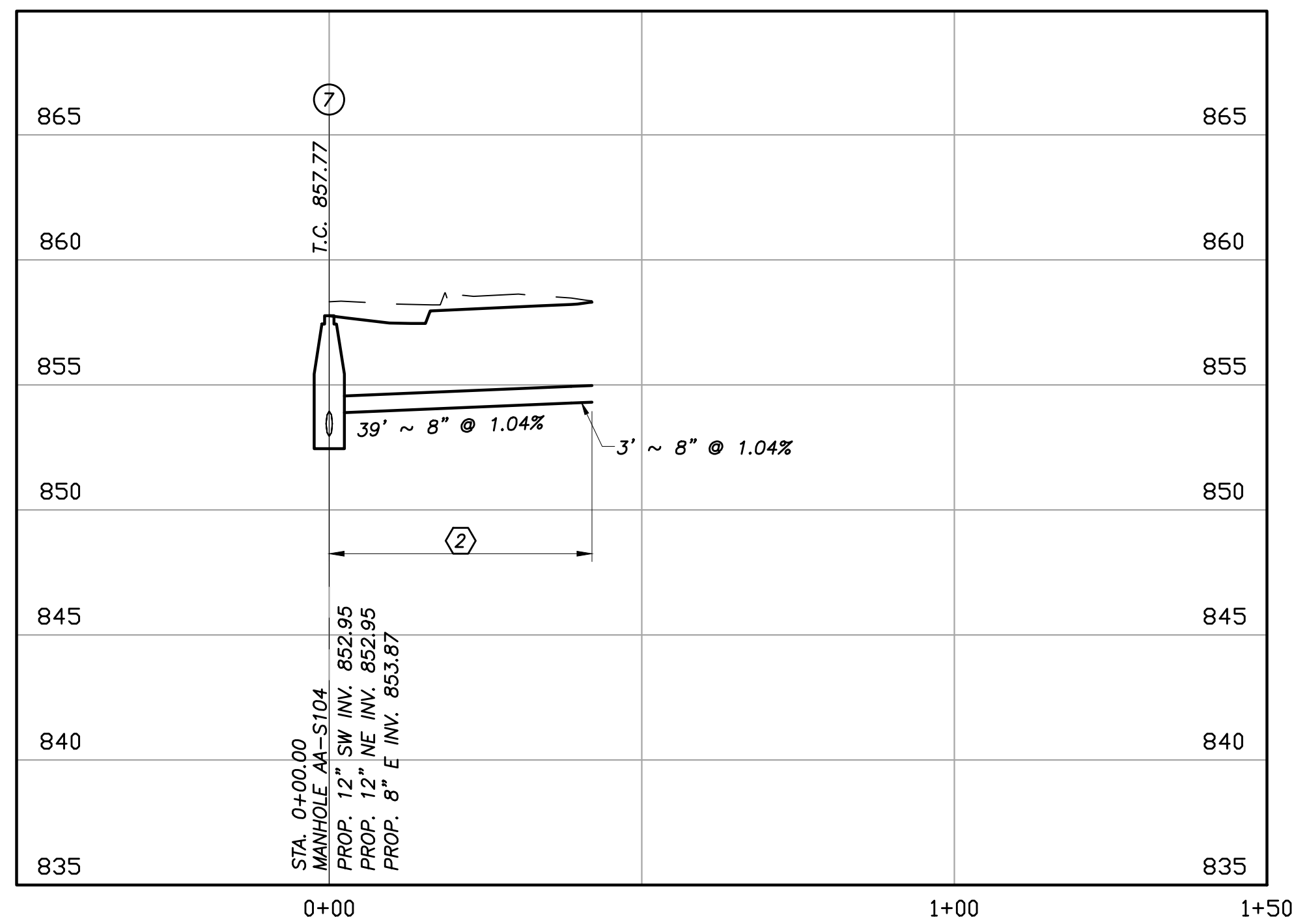
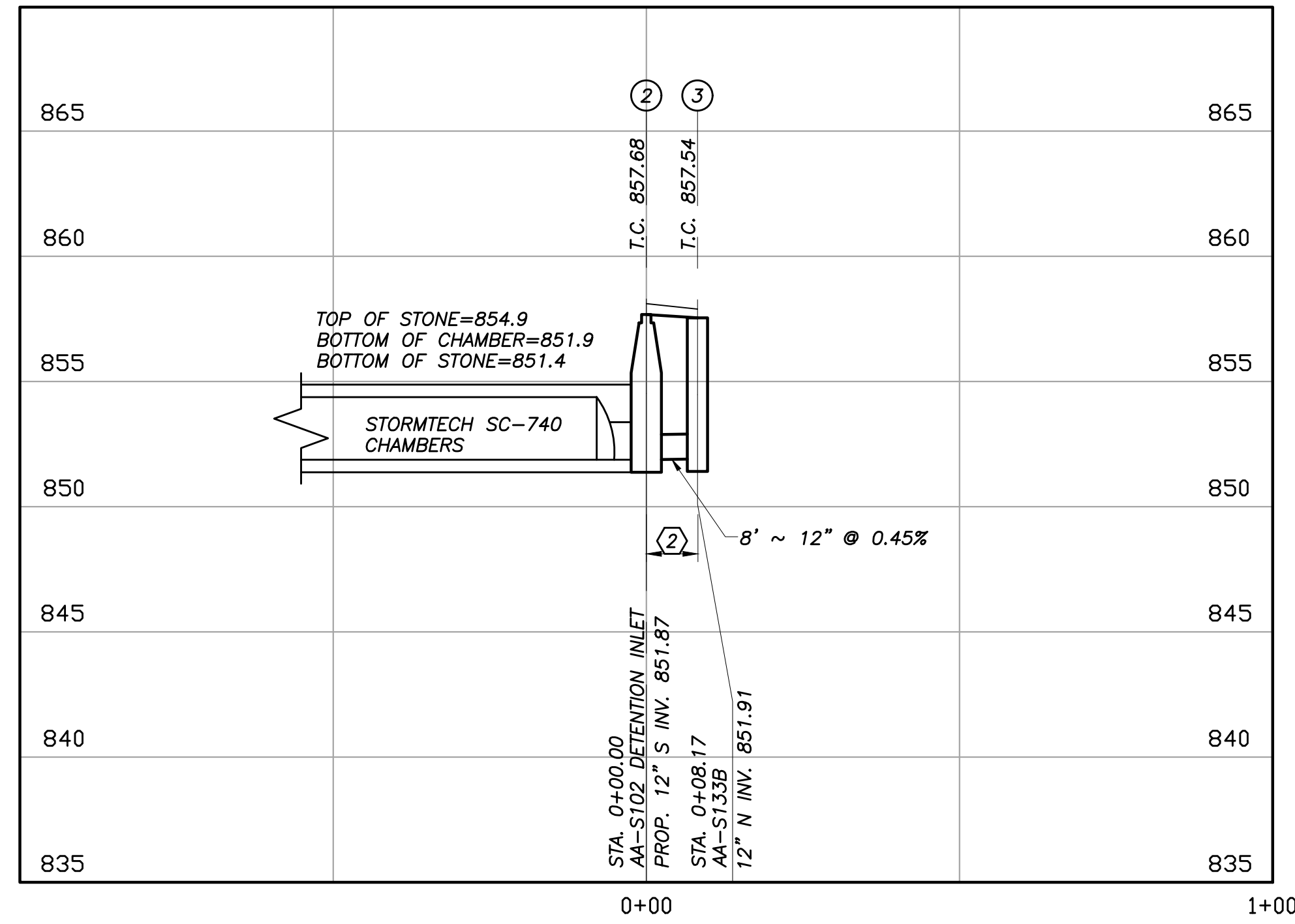
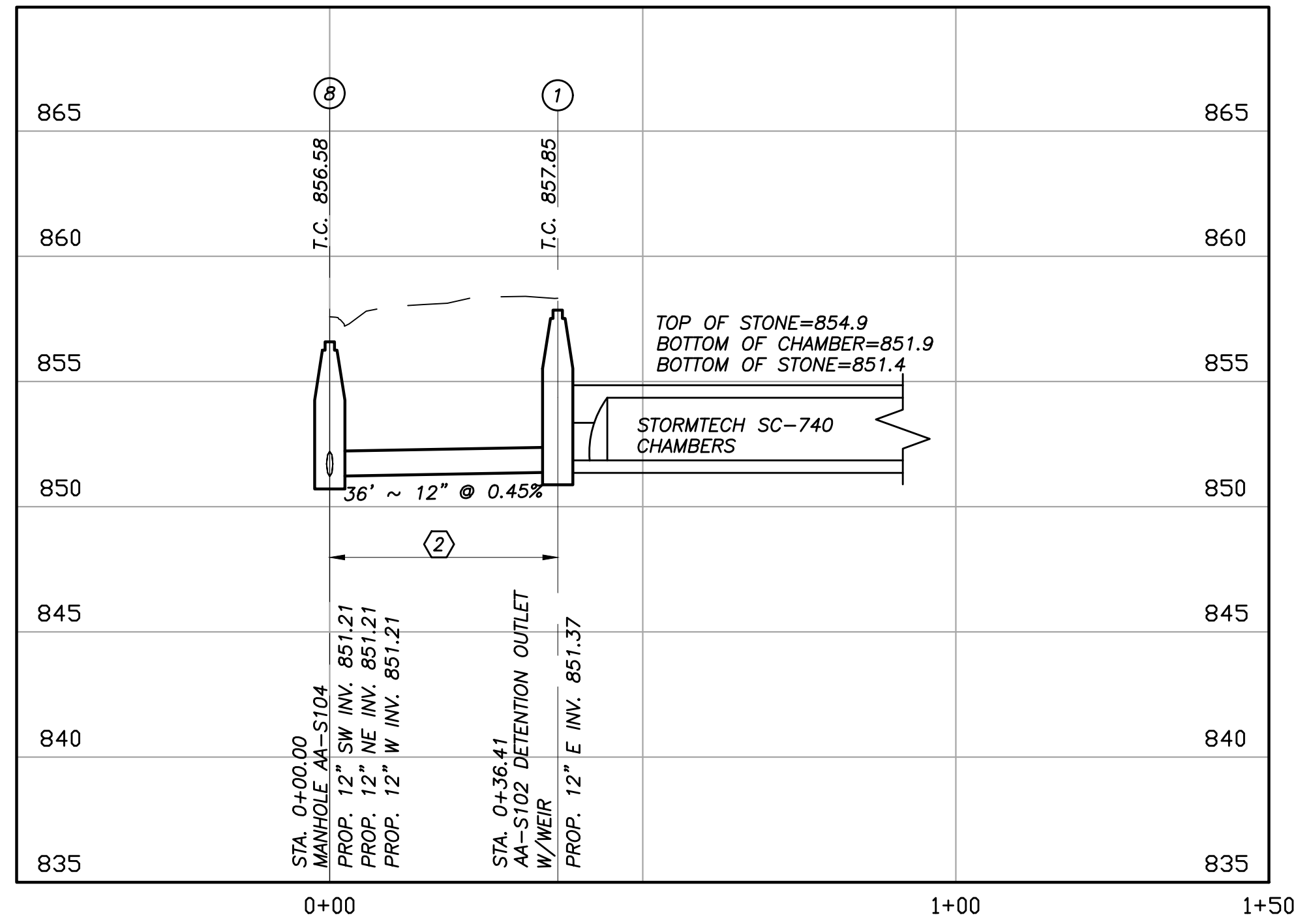
CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
DIVISION USE ONLY	
SCALE: 1" = 20'	SHEET 3/X
CONTRACT DRAWING NO. CC-	RECORD PLAN NO.

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NOTES:
 STORMTECH CHAMBERS, SEE DETAILS (SC-740)
 F.V. = FIELD VERIFIED

- ① ITEM 911 COMPACTED BACKFILL
- ② ITEM 912 COMPACTED GRANULAR BACKFILL
- ③ BACKFILL TO BE PER RECOMMENDED SPECIFICATIONS OF THE MANUFACTURER

PROFILE DATUM = NAVD 88

DRAWING: P:\21078_CML_Linden Branch\CAD\21078-CC-04_Storm_Profile.dwg
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 DRAWN BY: MAB

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	VOL.	PAGE				

PLAN PREPARED BY:



**300 SPRUCE STREET
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 P: 614 280 8999**

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STORM SEWER PROFILES

PROJECT TITLE: PUBLIC STORM SEWER FOR COLUMBUS METROPOLITAN LIBRARY LINDEN BRANCH 2223 CLEVELAND AVE.				CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE			
DIVISION USE ONLY				DIVISION USE ONLY			
OWNER		CONTRACTOR		INSPECTOR		SCALE: 1"=30' HORIZ. 1"=5' VERT.	
AGREEMENT	COMPLETED	CONTRACT NO.	RECORD NO.	CONTRACT NO.	RECORD NO.	SHEET 4 / X	
INDEX DETAIL	RECORD FILE	CONTRACT DRAWING NO. CC-		RECORD PLAN NO.			

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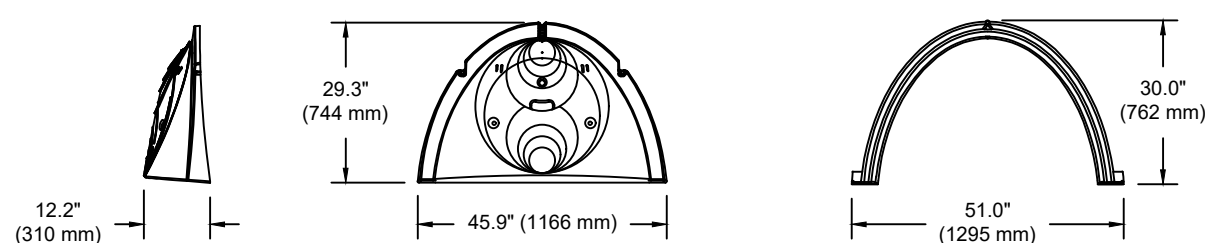
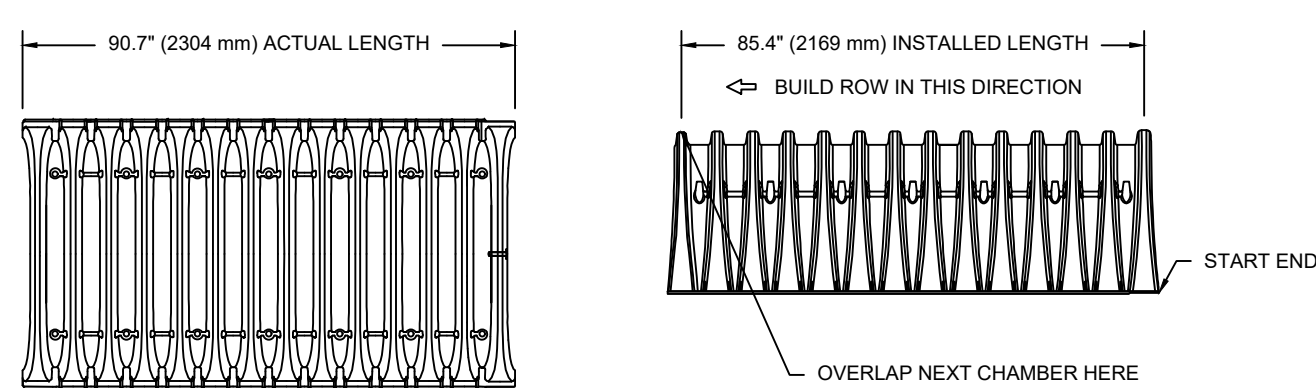
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	C401
CONSTRUCTION DOCUMENTS	

SC-740 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-740.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LURF BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT 75-TON COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT². THE ASC IS DEFINED IN SECTION 8.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.35 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LURF BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

SC-740 TECHNICAL SPECIFICATION



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4" (1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET (1.30 m ³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET (2.12 m ³)
WEIGHT	75.0 lbs. (33.6 kg)

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "B"
 PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
 PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
 PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC740EP001 / SC740EPE001PC	6" (150 mm)	10.0" (277 mm)	18.5" (470 mm)	0.5" (13 mm)
SC740EP008 / SC740EPE008PC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	0.8" (20 mm)
SC740EP017 / SC740EPE017PC	10" (250 mm)	14.7" (373 mm)	14.5" (368 mm)	0.8" (20 mm)
SC740EP026 / SC740EPE026PC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	1.2" (30 mm)
SC740EP035 / SC740EPE035PC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	1.2" (30 mm)
SC740EP044 / SC740EPE044PC	18" (450 mm)	19.7" (500 mm)	8.0" (203 mm)	1.3" (33 mm)
SC740EP053 / SC740EPE053PC	24" (600 mm)	18.9" (478 mm)	—	1.6" (41 mm)
SC740ECEZ*	24" (600 mm)	18.9" (478 mm)	—	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740ECEZ THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE 12" STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-740 SYSTEM

- STORMTECH SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310SC-740DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO LACING STONE.
- MAINTAIN MINIMUM 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4" (20-50 mm).
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310SC-740DC-780 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310SC-740DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310SC-740DC-780 CONSTRUCTION GUIDE".
- FULL 30" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE OPEN LIDS ON NYLOPLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
- REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - MIRRORS OR POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

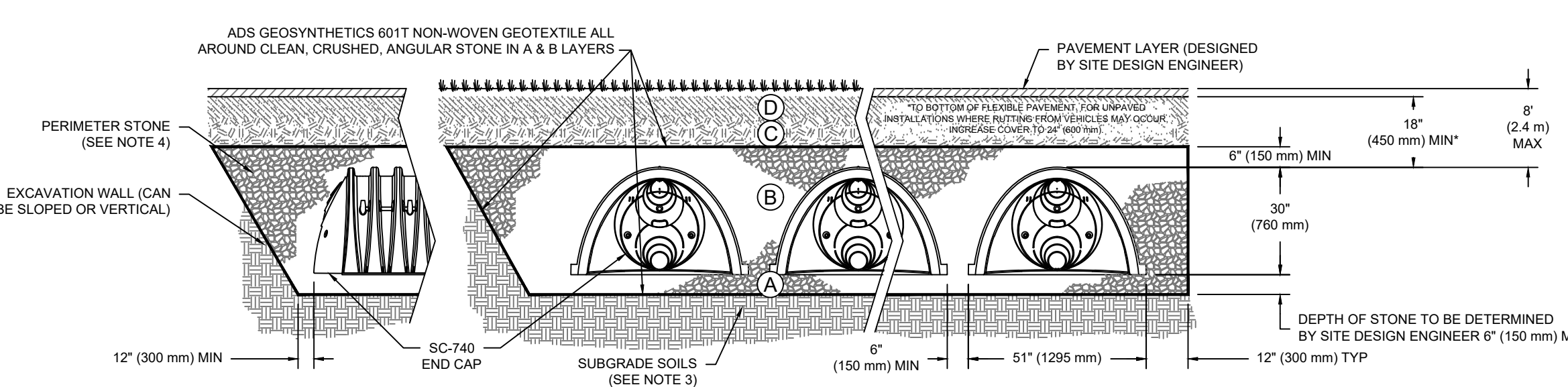
NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACUUMING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

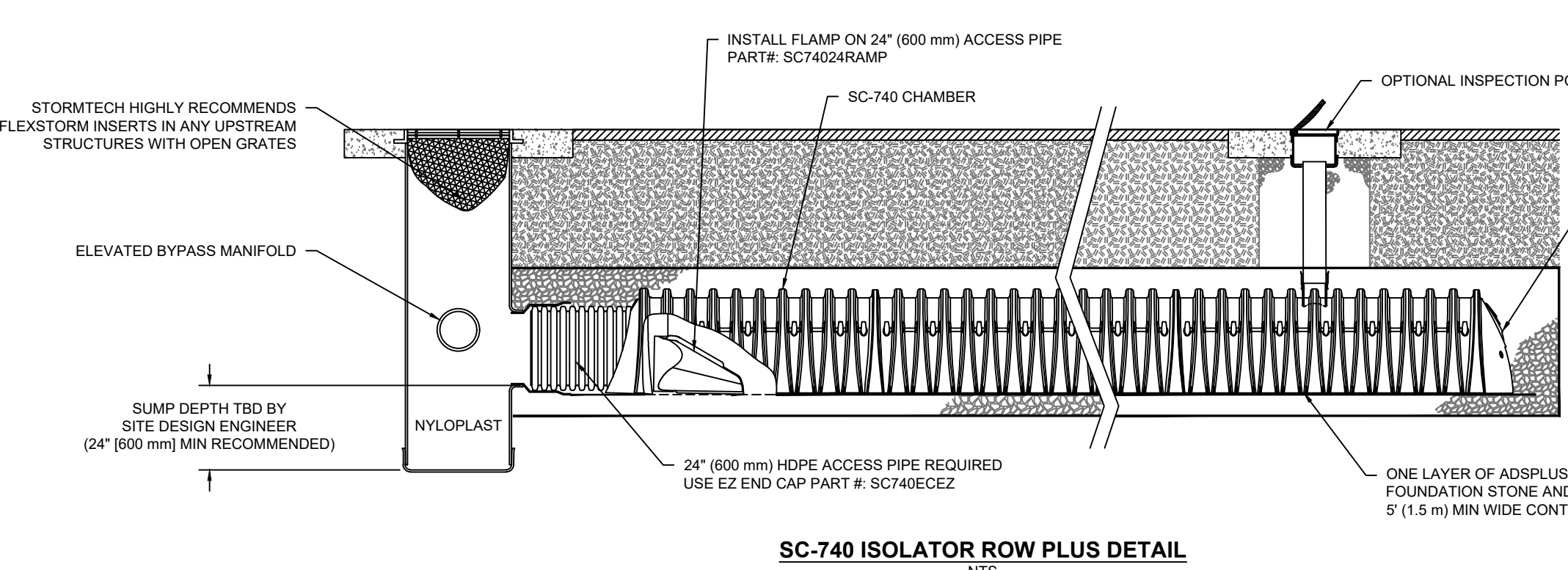
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M41 ¹ A-1, A-2.4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 90% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	FLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

- PLEASE NOTE:
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 - WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 - ONCE LAYER 'C' IS PLACED, ANY SOIL MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

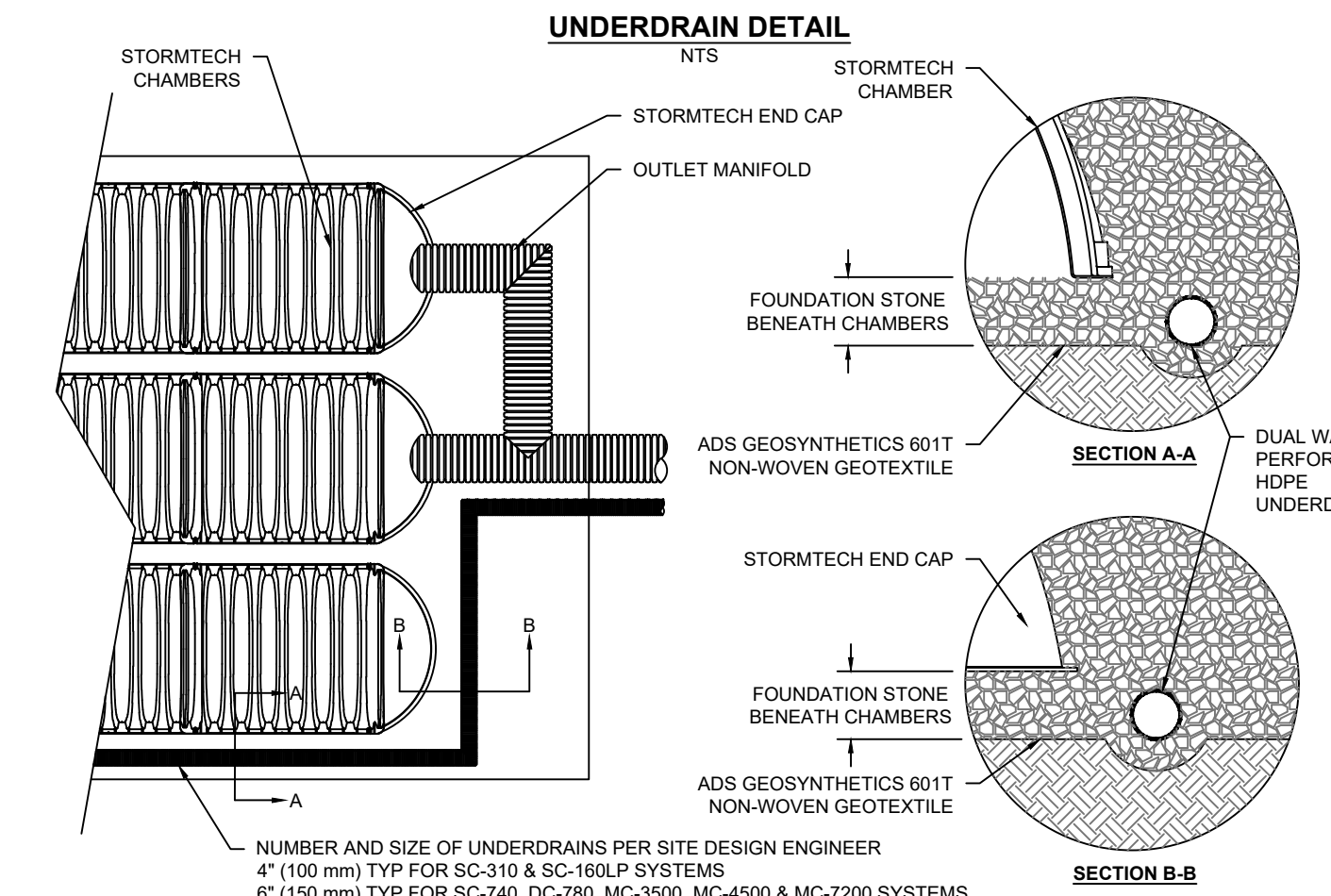


NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT². THE ASC IS DEFINED IN SECTION 8.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



SC-740 ISOLATOR ROW PLUS DETAIL



UNDERDRAIN DETAIL

DRAWING: P-31078-04L Linden Branch (CAD) 3/10/19 CC-05-6 Stormtech Details.dwg
 November 21, 2022, 2:58pm

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE	
	VOL.:	PAGE:				

PLAN PREPARED BY:

300 SPRUCE STREET
 SUITE 200
 COLUMBUS, OHIO 43215
 P: 614 280 8999
 MOODY-ENG.COM

DETAILS

PROJECT TITLE: PUBLIC STORM SEWER FOR COLUMBUS METROPOLITAN LIBRARY LINDEN BRANCH 2223 CLEVELAND AVE.

OWNER	CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE
CONTRACTOR	
INSPECTOR	
AGREEMENT	COMPLETED
RPD	CKD
CID	CON.DR.
INDEX DETAIL	RECORD FILE

CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE

SCALE: 1"=30" HORIZ. 1"=5" VERT.

SHEET 5 / X

CONTRACT DRAWING NO. CC-
 RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION

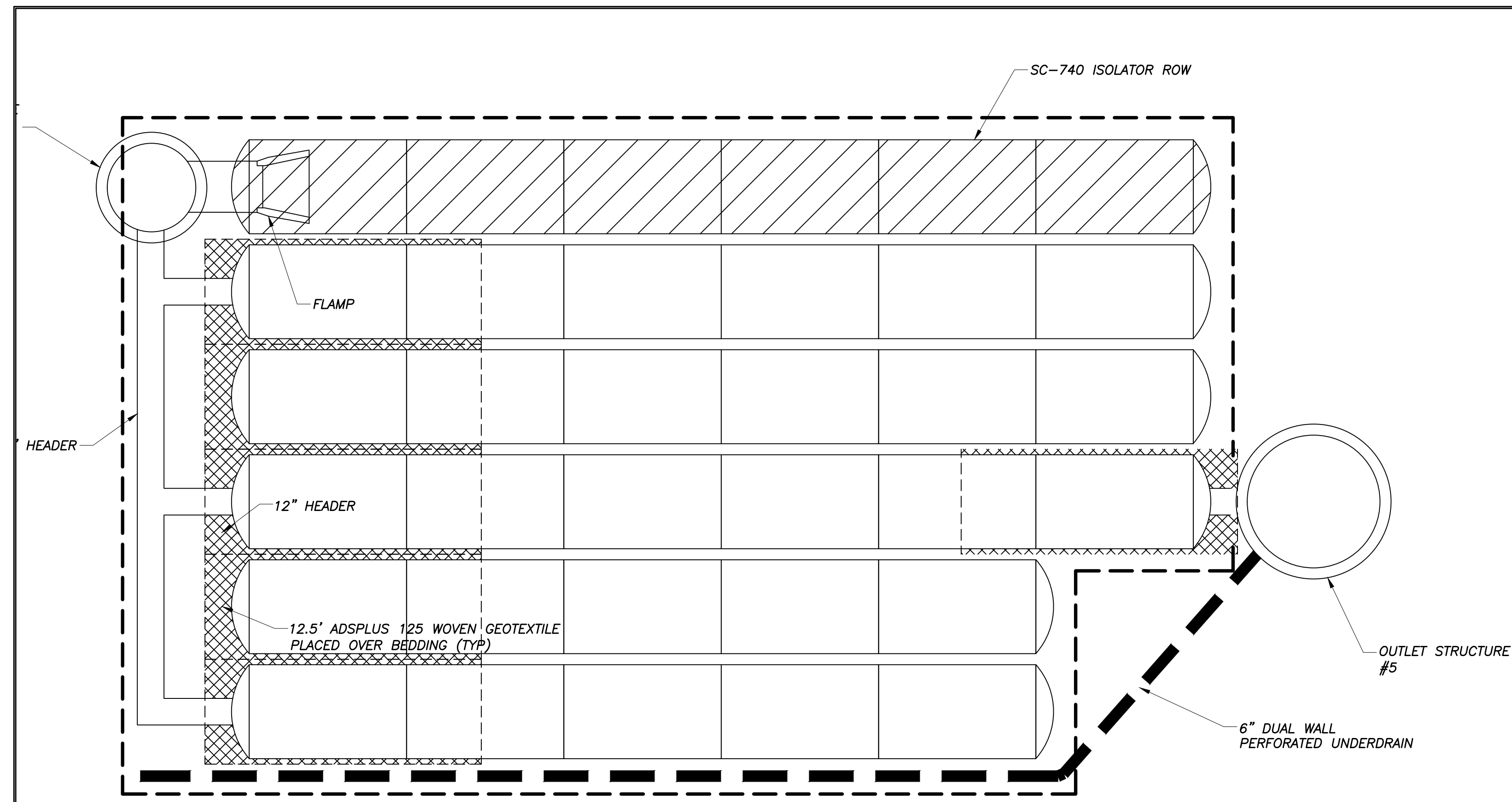
COLUMBUS METROPOLITAN LIBRARY LINDEN BRANCH
 2223 CLEVELAND AVE.
 COLUMBUS, OHIO 43211

300 SPRUCE STREET
 SUITE 200
 COLUMBUS, OHIO 43215
 P: 614 280 8999
 MOODY-ENG.COM

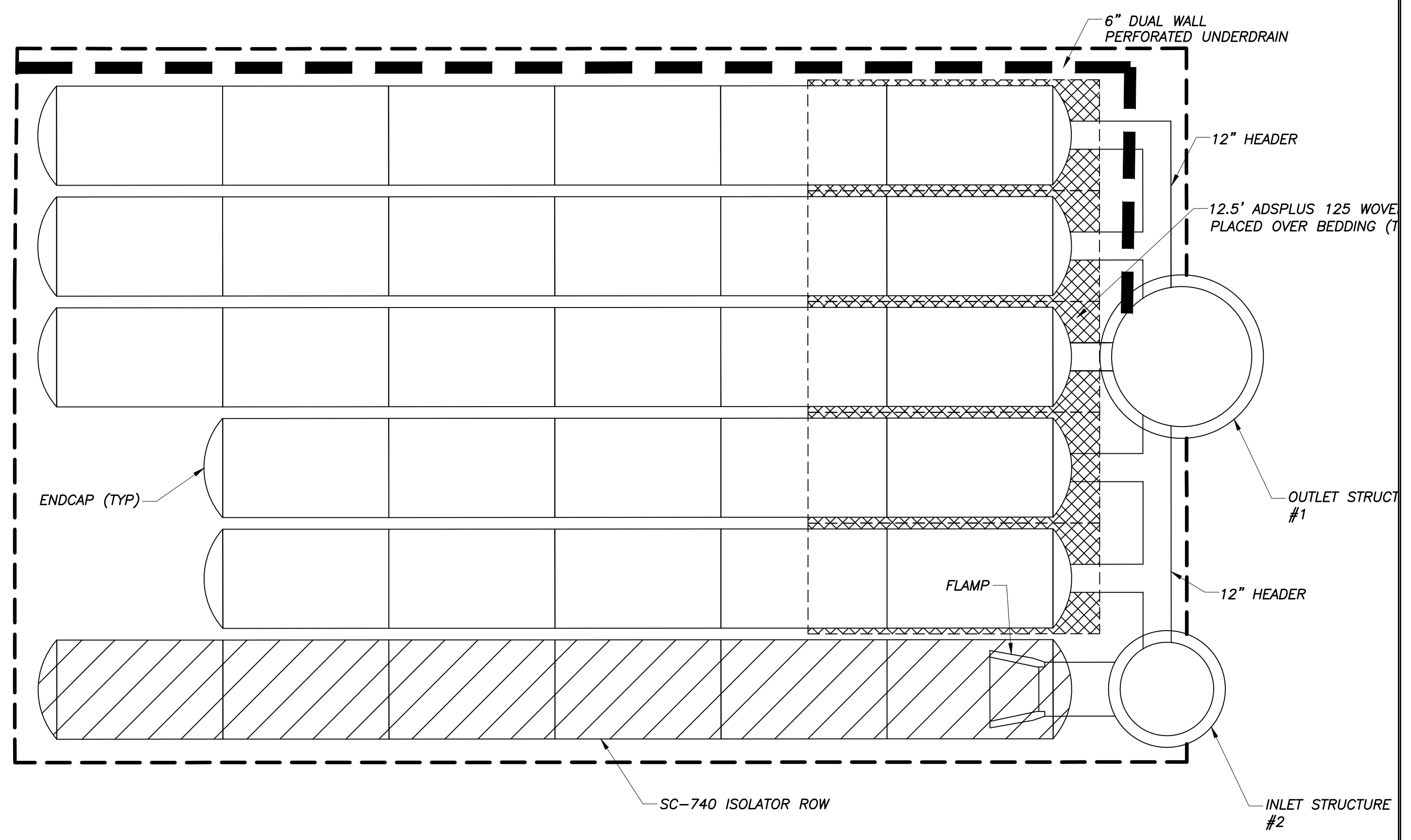
DRAWING TITLE:

11/21/23
 DRAWN BY: MAB CHECKED BY: MSL
 ME#21078
C402
 CONSTRUCTION DOCUMENTS

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NORTH DETENTION LAYOUT
NO SCALE



SOUTH DETENTION LAYOUT
NO SCALE

DETAILS

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CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL.	PAGE				

PLAN PREPARED BY:



**300 SPRUCE STREET
SUITE 200
COLUMBUS, OHIO 43215**
P: 614 280 8999
MOODY-ENG.COM

PROJECT TITLE: PUBLIC STORM SEWER FOR
**COLUMBUS METROPOLITAN LIBRARY
LINDEN BRANCH
2223 CLEVELAND AVE.**

DIVISION USE ONLY		OWNER
		CONTRACTOR
		INSPECTOR
AGREEMENT	COMPLETED	
RPD	CKD	CID CON.DR.
INDEX	DETAIL	RECORD
		FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: 1"=30' HORIZ.
1"=5' VERT.

SHEET **6 / X**

CONTRACT DRAWING NO. **CC-**

RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION

**COLUMBUS METROPOLITAN LIBRARY
LINDEN BRANCH**
2223 CLEVELAND AVE.
COLUMBUS, OHIO 43211



**300 SPRUCE STREET
SUITE 200
COLUMBUS, OHIO 43215**
P: 614 280 8999
MOODY-ENG.COM

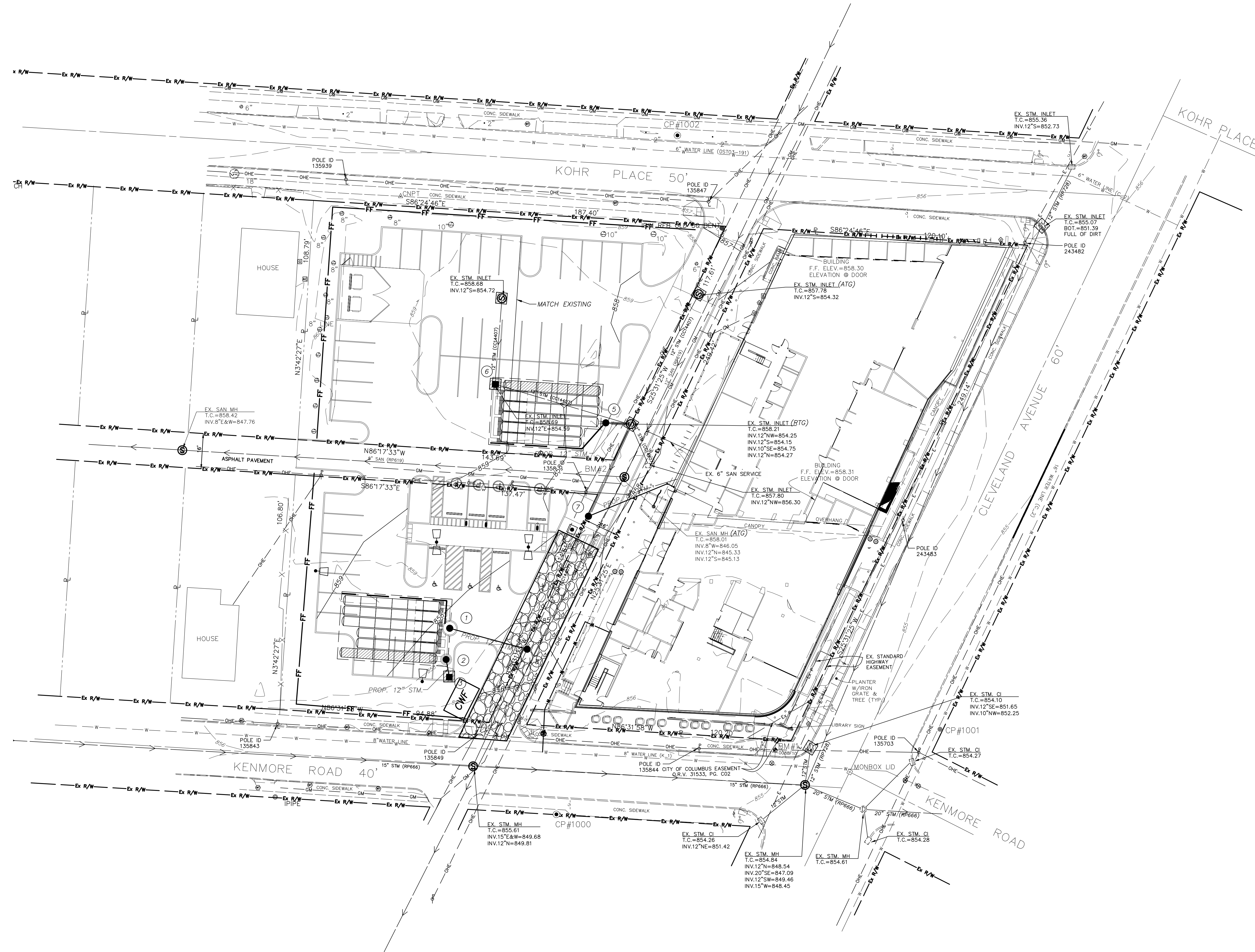
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11/21/23
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ME#21078
C403
CONSTRUCTION DOCUMENTS

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November 21, 2023, 2:54pm

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November 21, 2023, 2:54pm

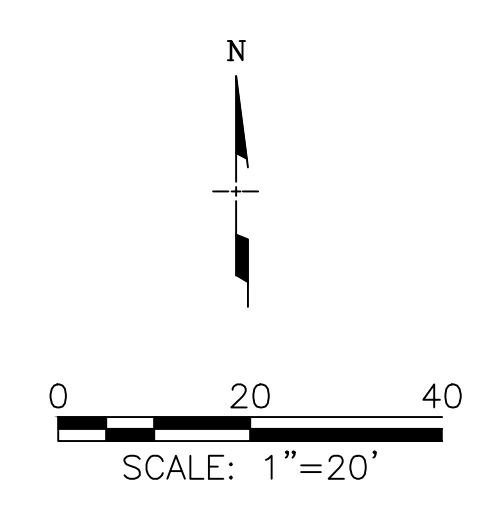


LEGEND

- FILTER FABRIC FENCE
- INLET PROTECTION
- CONCRETE WASHOUT FACILITY
- STABILIZED CONSTRUCTION ENTRANCE PER STD. DWG. 2230

NOTE:
 ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

NOTES:
 THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE IN LINEAR INSTALLATIONS
 THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND WATERING OF PLANTINGS ON-SITE FOR 1-YEAR TO ALLOW FULL ESTABLISHMENT OF VEGETATION.
 THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.
 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.
 ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.
 UPPER BANK ABOVE NORMAL WATER ELEVATION SHOULD BE STABILIZED QUICKLY WITH STRAW BLANKETS, JUTE MATTING OR SIMILAR GEO-TEXTILE.
 THE EXACT LOCATION OF THE CONCRETE WASHOUT(S) MAY BE FIELD LOCATED BY THE ON-SITE PROJECT ENGINEER/CONTACT.



#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
 2223 CLEVELAND AVENUE
 COLUMBUS, OH 43211
 COLUMBUS METROPOLITAN LIBRARY

MOODY ENGINEERING
 300 SPRUCE STREET
 SUITE 200
 COLUMBUS, OHIO 43215
 P: 614 280 8999
 MOODY-ENG.COM

EROSION CONTROL PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION	11/21/2023
	DRAWN BY: . . . CHECKED BY: . . .
	ME#21078
	C501
CONSTRUCTION DOCUMENTS	

SEDIMENT AND EROSION CONTROL NARRATIVE

PLAN ENGINEER: MOODY ENGINEERING
300 SPRUCE STREET, SUITE 200
COLUMBUS, OHIO 43215
PHONE (614) 280-8999

PROPERTY OWNER/ DEVELOPER: COLUMBUS METROPOLITAN LIBRARY
96 S GRANT STREET
COLUMBUS, OH 43215
CONTACT: WENDY TRESSLER
PHONE: (614) 849-1087
EMAIL: WTRESSLER@COLUMBUSLIBRARY.ORG

PROJECT DESCRIPTION: THE PROJECT CONSISTS OF AN ADDITION TO THE EXISTING LIBRARY BUILDING. RECONSTRUCTION OF EXISTING ALLEYS, NEW CURBS AND WALKS AND PARKING THAT DRAINS TO CITY OF COLUMBUS STORM SEWERS.

DISTURBED AREA: 1.00 acres

EXISTING SITE DRAINAGE CONDITION: THE EXISTING SITE PRIMARILY CONSISTS OF EXISTING LIBRARY BUILDING AND ASPHALT PARKING THAT DRAINS TO CITY OF COLUMBUS STORM SEWERS.

EXISTING SOILS: THE SOIL ON THE SITE IS BEA-BENNINGTON-URBAN LAND COMPLEX 0-6 PERCENT SLOPES, WHICH FALLS UNDER HYDROLOGIC SOIL GROUP U/3

WATERSHED: SCIO TO RIVER

ADJACENT AREAS: THE SITE IS BOUND TO THE EAST BY CLEVELAND AVE., TO THE WEST BY RESIDENTIAL PROPERTY, TO THE NORTH BY KOHR PLACE AND TO THE SOUTH BY KENMORE RD.

CRITICAL AREAS: THE EXISTING PUBLIC ROADWAYS SHALL REMAIN CLEAR OF SEDIMENT / DEBRIS FROM THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAR WHEELS OF DEBRIS AND SEDIMENT AND LIMIT THE EXISTING ROADWAYS FROM ADDITIONAL SEDIMENT.

EROSION & SEDIMENT CONTROL MEASURES: PROPOSED CONSTRUCTION WILL REQUIRE SEDIMENT & EROSION RUNOFF PROTECTION WITH THE USE OF CONSTRUCTION FENCE & INLET PROTECTION AS REQUIRED PER THIS PLAN.

MAINTENANCE: MAINTENANCE OF THE EROSION & SEDIMENT CONTROL ITEMS SHALL BE IN ACCORDANCE WITH THE NOTES LISTED ON THIS SHEET.

OHIO EPA NOI: PENDING

SITE CONTACT: WENDY TRESSLER
PHONE: (614) 849-1087
EMAIL: WTRESSLER@COLUMBUSLIBRARY.ORG

SEDIMENT AND EROSION CONTROL STANDARDS AND CRITERIA

IN ORDER TO CONTROL SEDIMENT POLLUTION OF WATER RESOURCES THE OWNER OR PERSON RESPONSIBLE FOR THE DEVELOPMENT AREA SHALL USE CONSERVATION PLANNING AND PRACTICES TO MAINTAIN THE LEVEL OF CONSERVATION ESTABLISHED BY THE FOLLOWING STANDARDS.

- TIMING OF SEDIMENT-CONTROL PRACTICES:** SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT EARTH-DISTURBING ACTIVITY.
- SETTLING FACILITIES, PERMETER CONTROLS, AND OTHER PRACTICES** INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.
- STABILIZATION OF DENIED AREA:** DENIED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN DAYS IF THEY ARE TO REMAIN DORMANT FOR MORE THAN TWENTY-ONE DAYS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENIED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, AND SHALL ALSO BE APPLIED WITHIN SEVEN DAYS TO DENIED AREAS WHICH MAY NOT BE AT FINAL GRADE, BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN TWENTY-ONE DAYS.
- SEDIMENT BARRIERS:** STREET FLOW RUNOFF FROM DENIED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTLING FACILITY.
- STORM SEWER INLET PROTECTION:** ALL STORM SEWER INLETS WHICH ACCEPT WATER RUNOFF FROM THE DEVELOPMENT AREA SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT, UNLESS THE STORM SEWER SYSTEM DRAINS TO A SETTLING FACILITY.
- CONSTRUCTION ACCESS ROADS:** MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RUNOFFS NOT CHECKED BY SEDIMENT CONTROLS, OR ONTO PUBLIC ROADS.
- SLOUGHING AND DUMPING:** UNSTABLE SOILS PRONE TO SLIPPING OR LANDSLIDING SHALL NOT BE GRADED, EXCAVATED, FILLED OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS DONE IN ACCORDANCE WITH A QUALIFIED PROFESSIONAL ENGINEER'S RECOMMENDATIONS TO CORRECT, ELIMINATE, OR ADEQUATELY ADDRESS THE PROBLEMS.
- CUT AND FILL SLOPES:** CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER WHICH WILL MINIMIZE EROSION. CONSIDERATION SHALL BE GIVEN TO THE LENGTH AND STEEPNESS OF THE SLOPE, SOIL TYPE, UPSLOPE DRAINAGE AREA, GROUNDWATER CONDITIONS, AND SLOPE STABILIZATION.
- STABILIZATION OF OUTFALLS AND CHANNELS:** OUTFALLS AND CONSTRUCTION OR MODIFIED CHANNELS SHALL BE DESIGNED AND CONSTRUCTED TO WITHSTAND THE EXPECTED VELOCITY OF FLOW FROM A POST-DEVELOPMENT, TEN-YEAR FREQUENCY STORM WITHOUT ERODING.
- ESTABLISHMENT OF PERMANENT VEGETATION:** A PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE APPROVING AGENCY IS CONSIDERED SATISFACTORY.

MAINTENANCE
SILT FENCES AND FILTER BARRIERS 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 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.

7. IF HAZARDOUS SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL). SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. CONTACT OHIO EPA (1-800-282-9378).

8. SPILLS OF 25 GAL. OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MIN. OF THE DISCOVERY OF THE RELEASE.

SEDIMENTATION AND EROSION CONTROL

PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA ALL SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATION AND DIMENSIONS MAY BE MADE BY THE ENGINEER AS REQUIRED.

IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF THE BARRIER 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.

SPECIFICATIONS FOR SEEDING & MULCHING

SEED TYPE	SEEDING DATES	PER 1000 SQ. FT.	PER ACRE
TALL FESCUE & ANNULAR RYEGRASS	MARCH 1 TO SEPTEMBER 15	2 POUND & 1/2 POUND	80 POUND & 20 POUND
SMALL GRASS STRAW		100 POUNDS OR 2 OR 3 BALES	2 TONS OR 50 BALES
FERTILIZER		25 POUNDS OF 12-12-12 OR THE EQUIVALENT	100 POUNDS OF 12-12-12 OR THE EQUIVALENT
TEMPORARY SEEDING			
RYE OR WHEAT	SEPTEMBER 15 TO OCTOBER 30	3 POUNDS	2 BUSHELS
SOIL PROTECTION			
SMALL GRASS STRAW MULCH	OCTOBER 30 TO MARCH 1	2 TO 3 BALES	2 TONS

SOIL EROSION NOTES CONSTRUCTION SEQUENCE

- GRADE AND STOCKPILE TOPSOIL.
- SEDIMENT BARRIER AROUND STOCKPILE.
- TEMPORARY SEEDING.
- INSTALL STABILIZED CONSTRUCTION ACCESS ROADS (OR ENTRANCES).
- INSTALL CONCRETE WASHOUT AREA.
- VEGETATE COVER ALL AREAS TO BE EXPOSED LONGER THAN 21 DAYS (TEMPORARY SEEDING).
- INSTALL UTILITIES.
- INSTALL INLET AND CATCH BASIN FILTERS AS SHOWN ON PLANS.
- INSTALL PAVEMENT AND FINAL GRADING.
- PERMANENT SEEDING AND MULCHING. ASPHALT EMULSION OVER STRAW PER 659.09.
- PERFORM CONTINUING MAINTENANCE.
- INSTALL BIORETENTION FACILITIES.
- REMOVE SEDIMENT FILTER AFTER VEGETATION GROWTH IS ESTABLISHED.

NON-SEDIMENT POLLUTION CONTROL

- CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GUIDELINES:
 - DISPOSAL AND HANDLING OF HAZARDOUS AND OTHER CONSTRUCTION WASTE
 - DO NOT:
 - PREVENT SPILLS
 - USE PRODUCTS UP
 - FOLLOW LABEL DIRECTIONS FOR DISPOSAL
 - REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
 - RECYCLE WASTES WHENEVER POSSIBLE
 - DO NOT:
 - POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
 - POUR DOWN THE SINK, FLOOR DRAIN OR SEPTIC TANKS
 - BURY CHEMICALS OR CONTAINERS
 - BURN CHEMICALS OR CONTAINERS
 - MIX CHEMICALS TOGETHER

- CONTAINERS SHALL BE PROVIDED FOR COLLECTION OF ALL WASTE MATERIAL, INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS TO BE USED ON-SITE. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL.
- NO WASTE MATERIALS SHALL BE BURIED ON-SITE. SITE PERSONNEL, INCLUDING SUBCONTRACTORS SHALL BE NOTIFIED THAT NO CONSTRUCTION-RELATED MATERIALS ARE TO BE BURIED ON-SITE.
- MIXING, PUMPING, TRANSFERRING OR OTHERWISE HANDLING CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE CURING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM WATERCOURSE, DITCH OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC. SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS.

- CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT SHALL BE CONSTRUCTED TO CONTAIN CONCRETE WASH WATER.
- IF HAZARDOUS SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL). SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. CONTACT OHIO EPA (1-800-282-9378).
- SPILLS OF 25 GAL. OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MIN. OF THE DISCOVERY OF THE RELEASE.

NOTES TO CONTRACTOR

- 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.
- THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.
- THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP-3 PLANS AND CONSTRUCTION SITES.
- STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12 INCHES IN DIAMETER NOW (OEPA).
- UPPER BANK ABOVE NORMAL WATER ELEVATION SHOULD BE STABILIZED QUICKLY WITH STRAW BLANKETS, JUTE MATTING OR SIMILAR GEOTEXTILE.
- DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.
- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

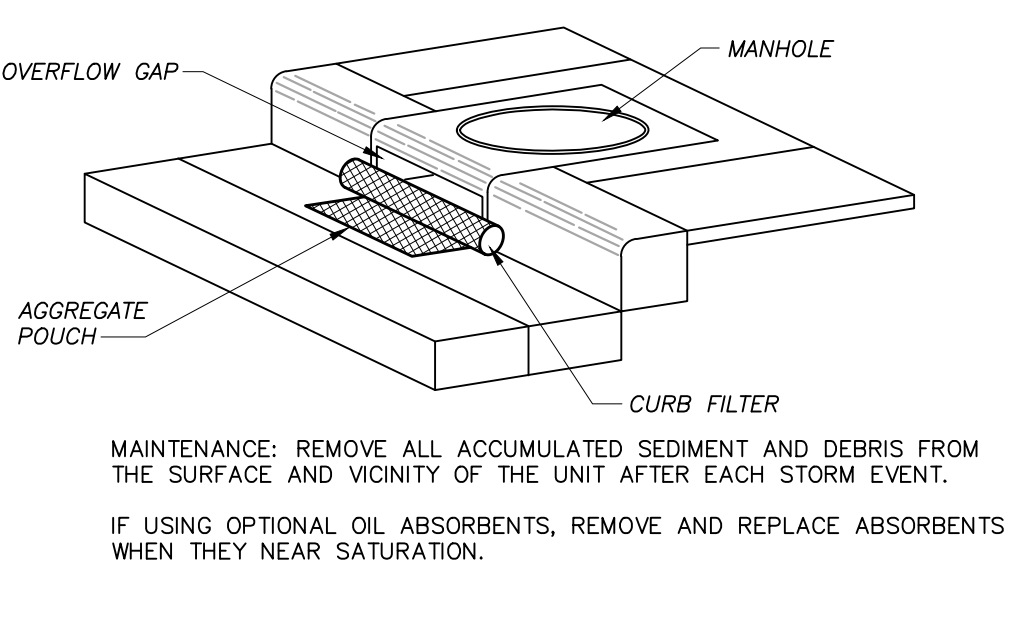
TABLE 1: PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION:	TIME FRAME TO APPLY EROSION CONTROLS:
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN 2 DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN 7 DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

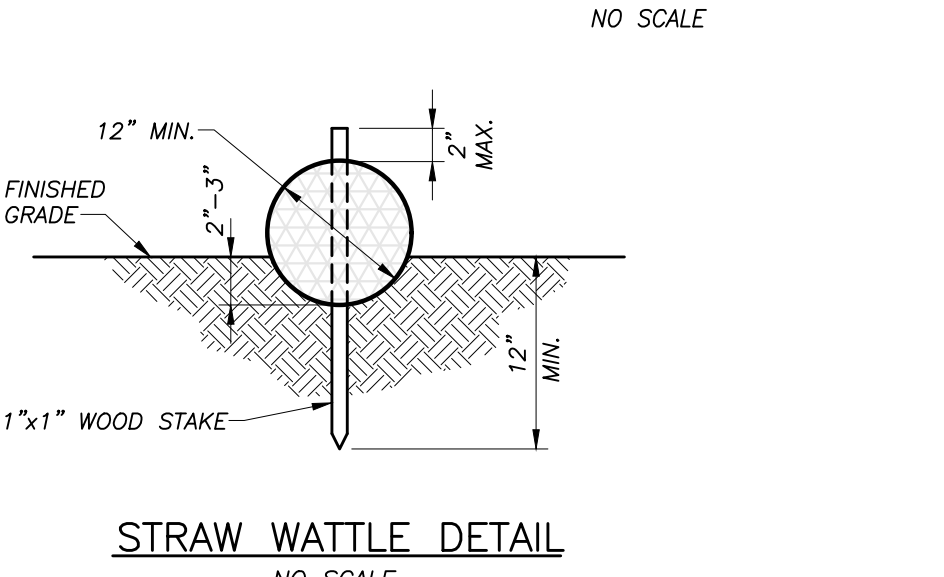
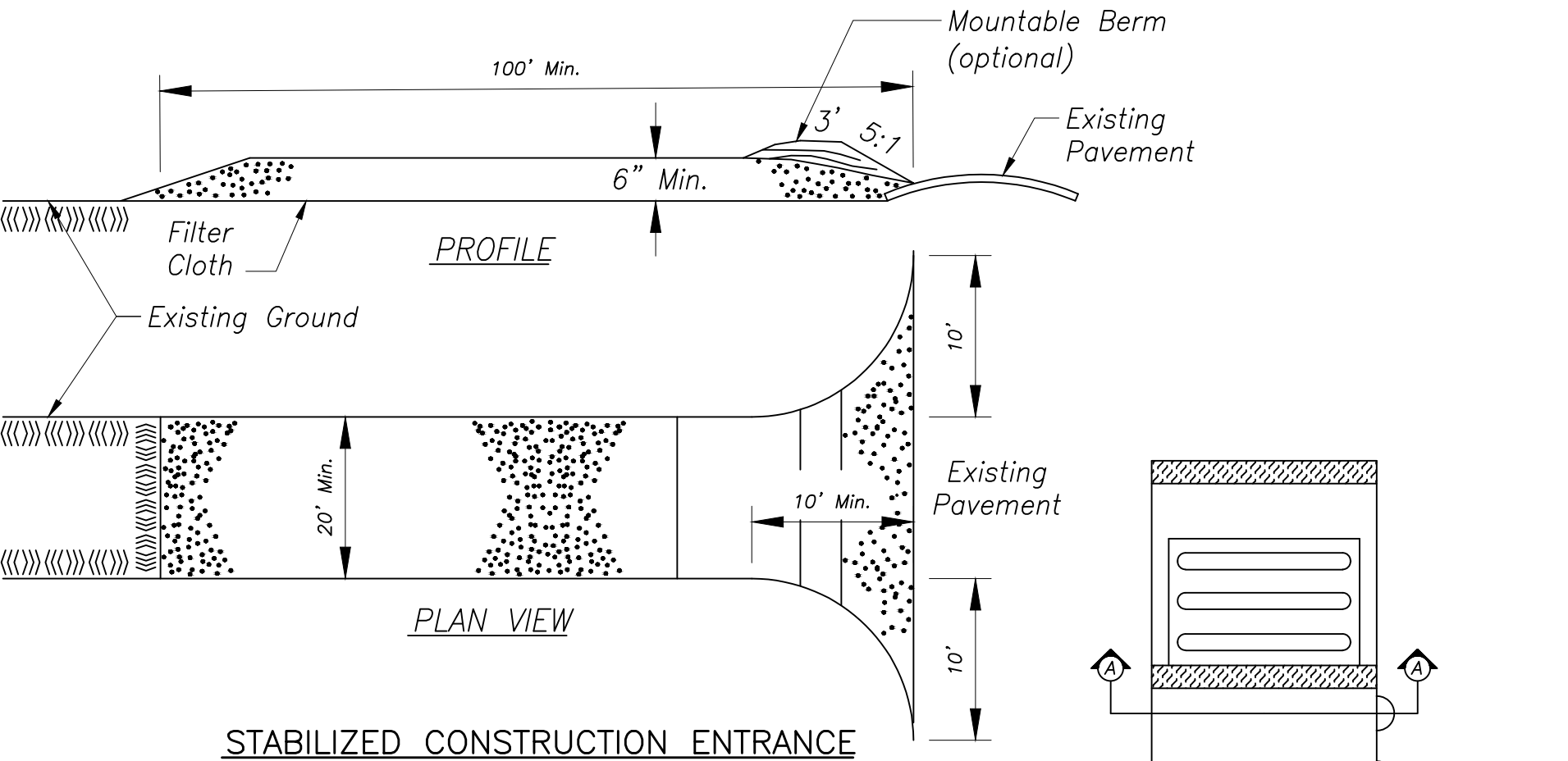
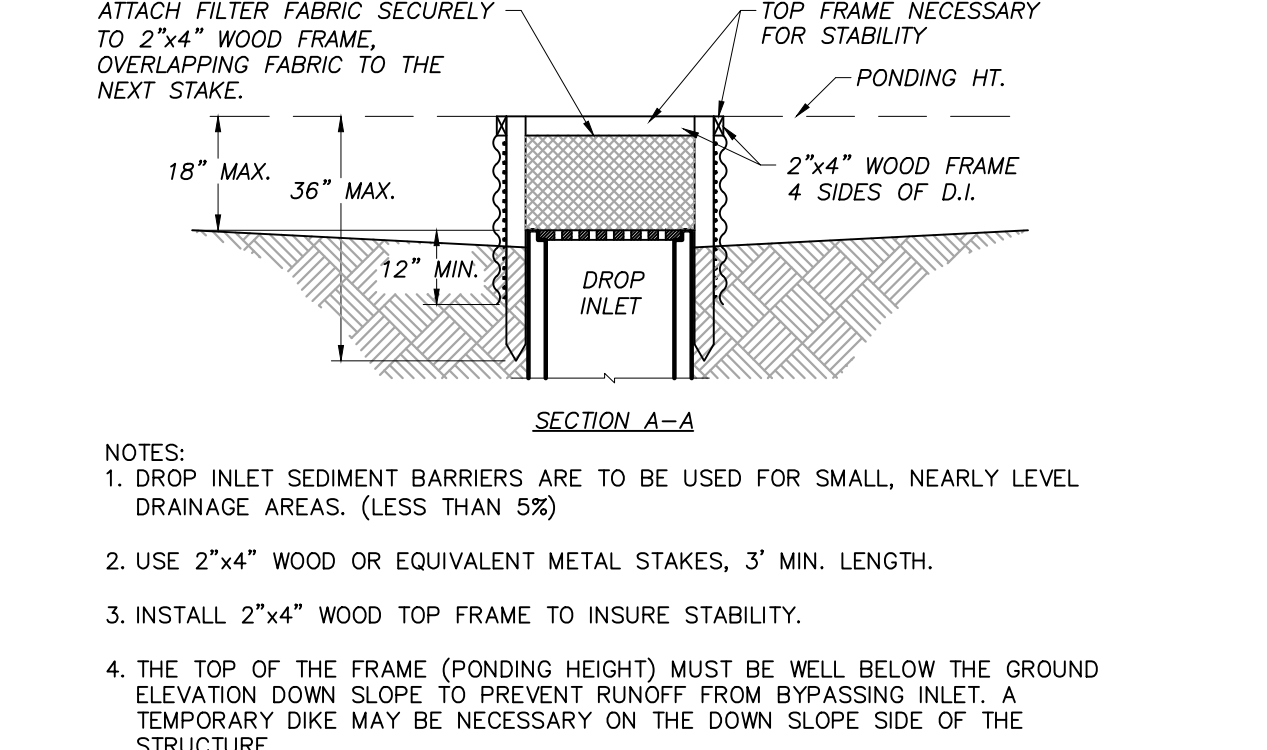
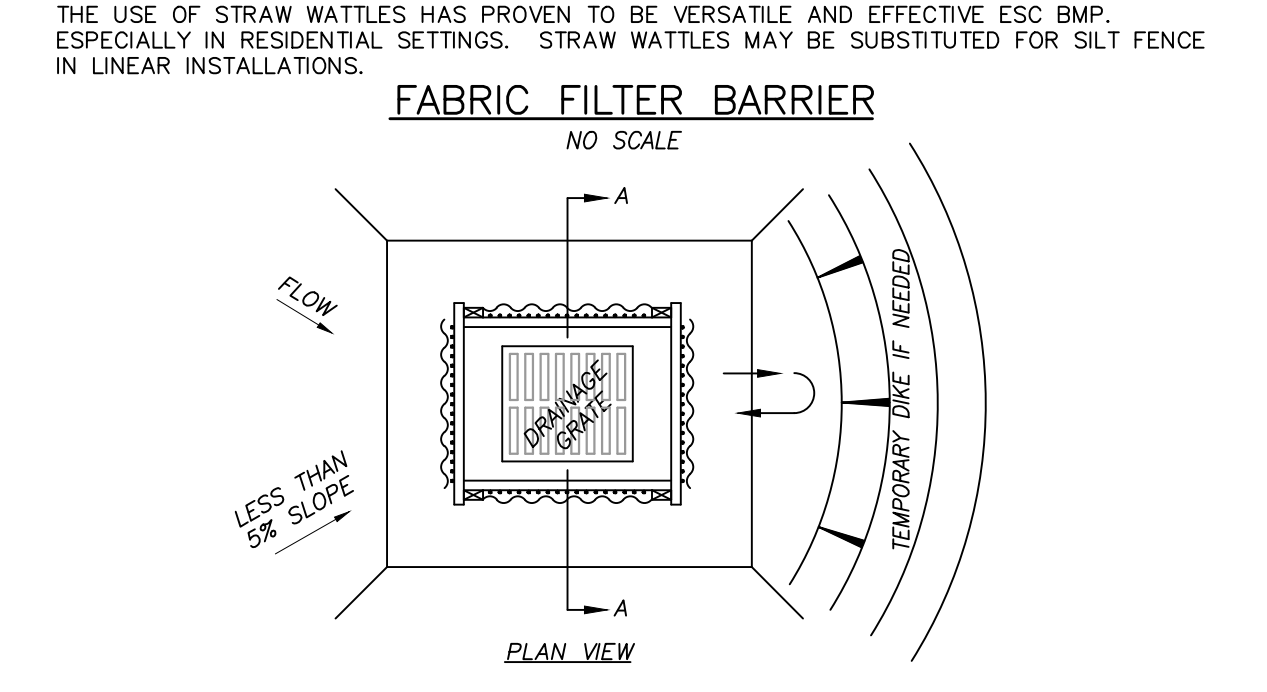
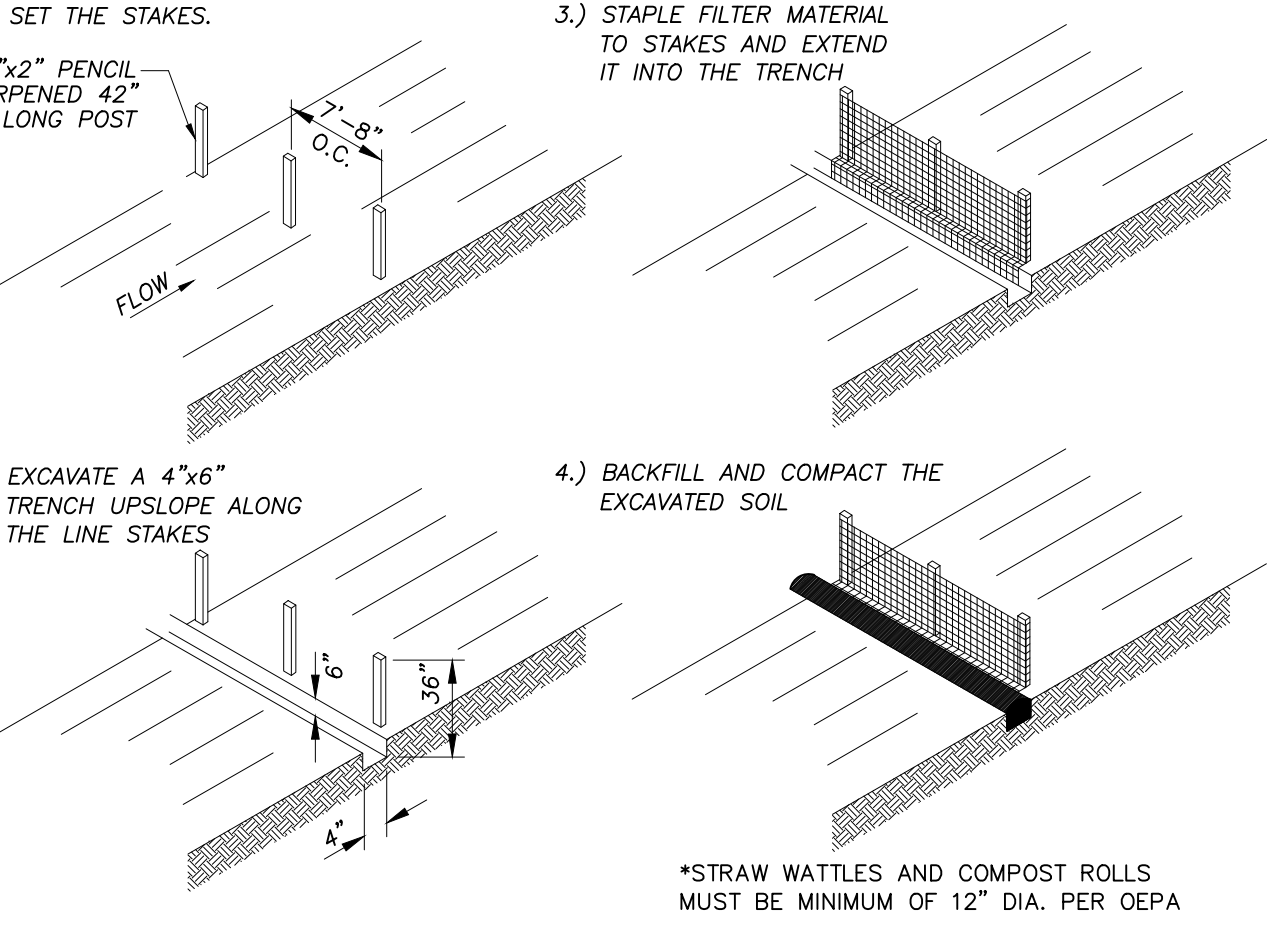
TABLE 2: TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION:	TIME FRAME TO APPLY EROSION CONTROLS:
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA. FOR RECREATIONAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST 7 DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

WHERE VEGETATIVE STABILIZATION TECHNIQUES MAY CAUSE STRUCTURAL INSTABILITY OR ARE OTHERWISE UNOBTAINABLE, ALTERNATIVE STABILIZATION TECHNIQUES MUST BE EMPLOYED.



CURB INLET SEDIMENT PROTECTION
TO BE USED ON ALL CURB INLETS WITHOUT GRATE



PREPARATION: PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE COMPLETE CONTACT OF THE SEDIMENT RETENTION DEVICE WITH THE SOIL.

THE SLOPE SHOULD BE PREPARED TO RECEIVE THE SURFACE MULCHING/RE-VEGETATION TREATMENT PRIOR TO INSTALLATION OF THE EROSION CONTROL AND SEDIMENT RETENTION WATTLES.

REMOVE ALL ROCKS, CLODS, VEGETATION OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED WATTLES WILL HAVE DIRECT CONTACT WITH THE SOIL.

A SMALL TRENCH 2-3 INCHES IN DEPTH SHOULD BE EXCAVATED ON THE SLOPE CONTOUR AND PERPENDICULAR TO WATER FLOW. SOIL FROM THE EXCAVATION SHOULD BE PLACED DOWN-SLOPE NEXT TO THE TRENCH.

INSTALLATION: INSTALL THE WATTLES IN THE TRENCH, INSURING THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE WATTLE. THE ENDS OF ADJACENT WATTLES SHOULD BE TIGHTLY BUTTED SO THAT NO OPENING EXISTS FOR WATER OR SEDIMENT TO PASS THROUGH. ALTERNATELY, WATTLES MAY BE LAPPED, 6" MINIMUM TO PREVENT SEDIMENT PASSING THROUGH THE FIELD JOINT.

WOODEN STAKES SHOULD BE USED TO FASTEN THE WATTLES TO THE SOIL. WHEN CONDITIONS WARRANT, A STRAIGHT METAL BAR CAN BE USED TO DRIVE A PILOT-HOLE THROUGH THE WATTLE AND INTO THE SOIL.

WOODEN STAKES SHOULD BE PLACED 6" FROM THE WATTLE END ANGLD TOWARD THE ADJACENT WATTLE AND SPACED AT 4 FEET CENTERS LEAVING LESS THAN 1-2 INCHES OF STAKE EXPOSED ABOVE THE WATTLE. ALTERNATELY, STAKES MAY BE PLACED ON EACH SIDE OF THE WATTLE TYING ACROSS WITH A NATURAL FIBER TWINE OR STAKING IN A CROSSING MANNER ENSURE DIRECT SOIL CONTACT AT ALL TIMES.

TERMINAL ENDS OF WATTLES SHOULD BE DOG LEGGED UP SLOPE TO ENSURE CONTAINMENT AND PREVENT CHANNELING OF SEDIMENTATION.

BACKFILL THE UPSLOPE LENGTH OF THE WATTLE WITH THE EXCAVATED SOIL AND COMPACT.

CARE SHALL BE TAKEN DURING INSTALLATION SO AS TO AVOID DAMAGE OCCURRING TO THE WATTLE AS A RESULT OF THE INSTALLATION PROCESS. SHOULD THE WATTLE BE DAMAGED DURING INSTALLATION, A WOODEN STAKE SHALL BE PLACED EITHER SIDE OF THE DAMAGED AREA TERMINATING THE LOG SEGMENT.

FIELD MONITORING SHALL BE PERFORMED TO VERIFY THAT PLACEMENT DOES NOT DAMAGE THE WATTLE.

WATTLES TO BE PLACED ALONG PERIMETER OF THE SITE CONSISTING OF A CONCRETE SURFACE, SHALL BE SECURELY PLACED TO ENSURE RUNOFF CANNOT FLOW UNDER THE WATTLE.

WATTLES OR COMPOST ROLLS MUST HAVE A MINIMUM DIAMETER OF 12 INCHES.

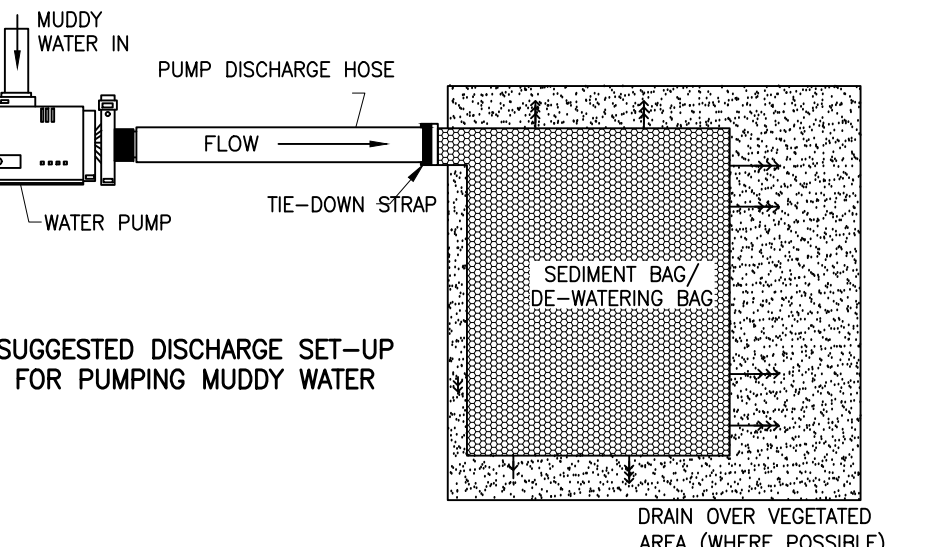
INSTALLATION: STAND GRATE ON END. PLACE DANDY BAG OVER GRATE. PULL GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF DANDY BAG IS VISIBLE.

MAINTENANCE: AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF DANDY BAG WITH BROOM.

NOTICE
THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS.

ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.

DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURERS RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE. SEE DETAIL BELOW OF A TYPICAL SEDIMENT BAG INSTALLATION.



#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
2223 CLEVELAND AVENUE
COLUMBUS, OH 43211
61
COLUMBUS METROPOLITAN LIBRARY

**300 SPRUCE STREET
SUITE 200
COLUMBUS, OHIO 43215**
P: 614 280 8999

MOODY ENGINEERING MOODY-ENG.COM

EROSION CONTROL DETAILS

11/21/2023

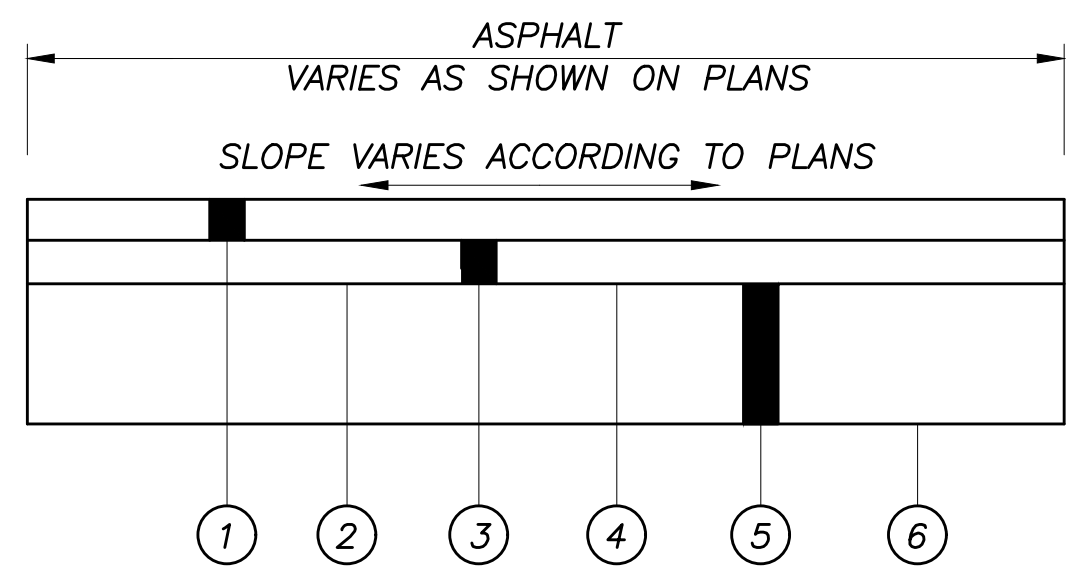
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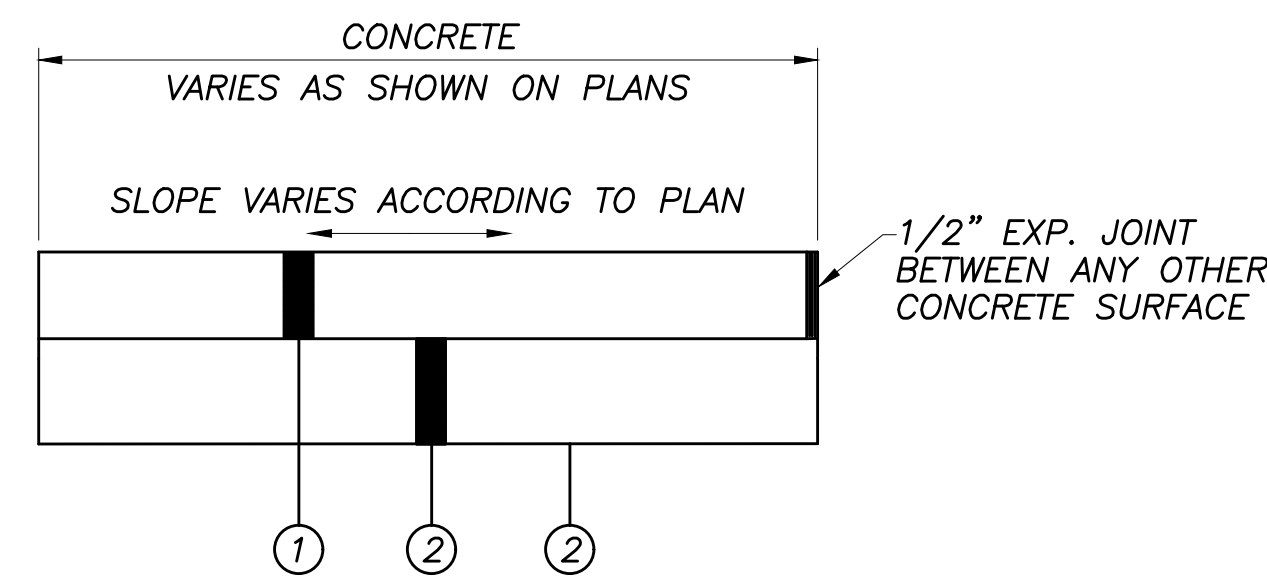
CONSTRUCTION DOCUMENTS

PROGRESS DRAWING NOT FOR CONSTRUCTION



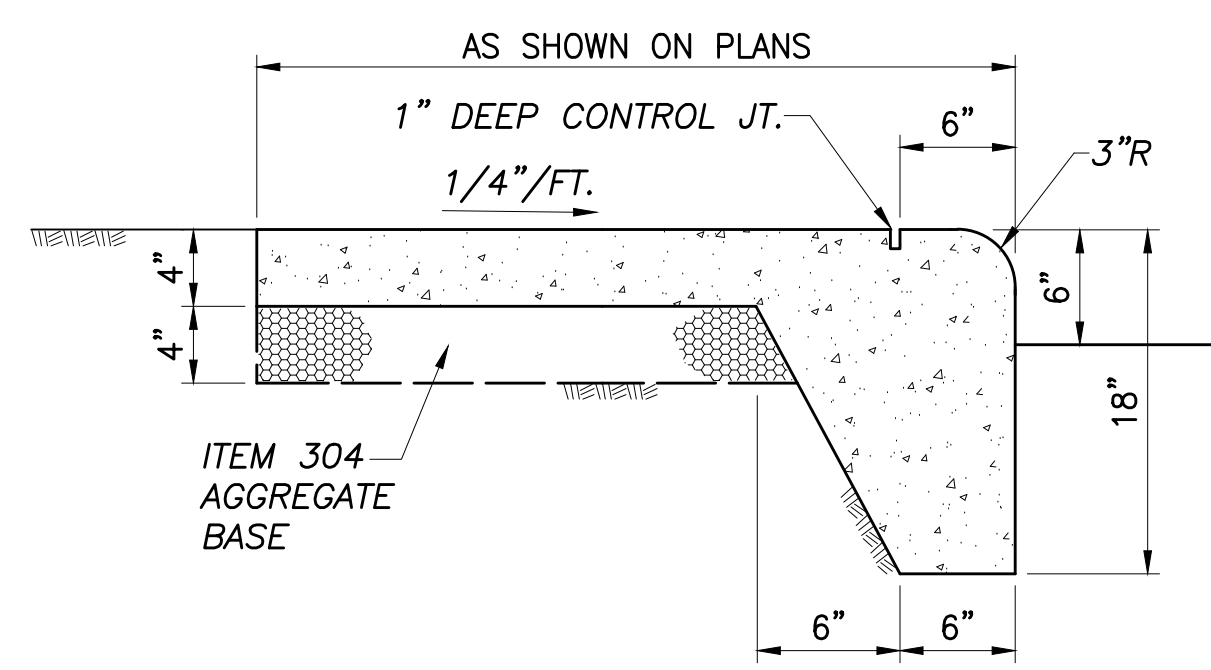
- ① ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE
- ② ITEM 407 - TACK COAT @ 0.04 GAL/SY
- ③ ITEM 441 - 2 1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE
- ④ ITEM 408 - BITUMINOUS PRIME COAT @ 0.40 GAL/SY
- ⑤ ITEM 304 - 8" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION

① ASPHALT PAVEMENT SECTION
NO SCALE

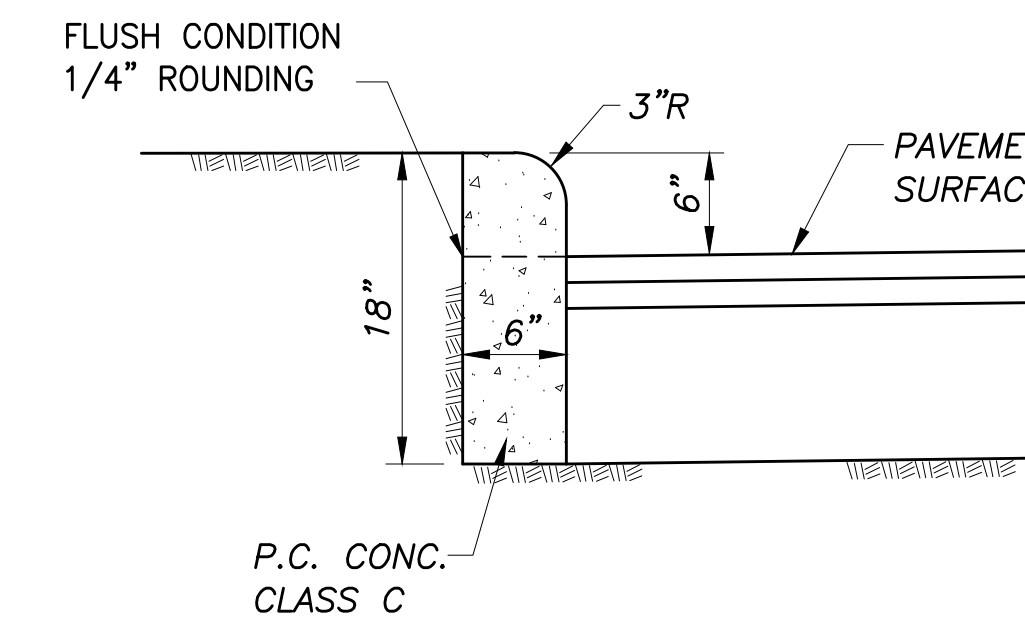


- ① ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT
- ② ITEM 304 - 8" AGGREGATE BASE
- ③ ITEM 204 - SUBGRADE COMPACTION

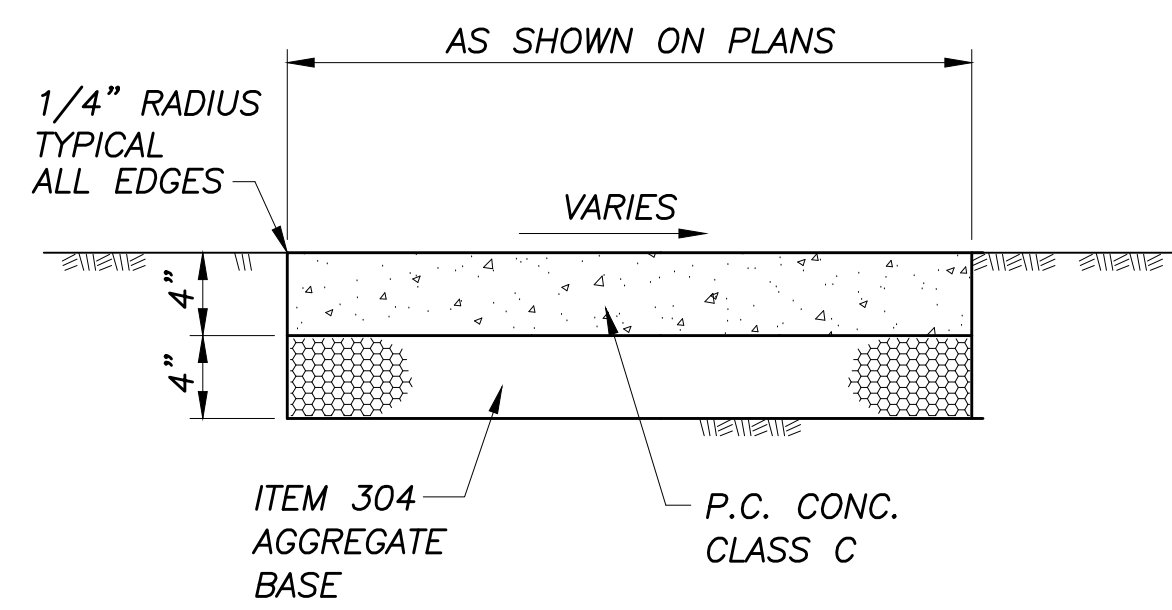
② CONCRETE PAVEMENT SECTION
NO SCALE



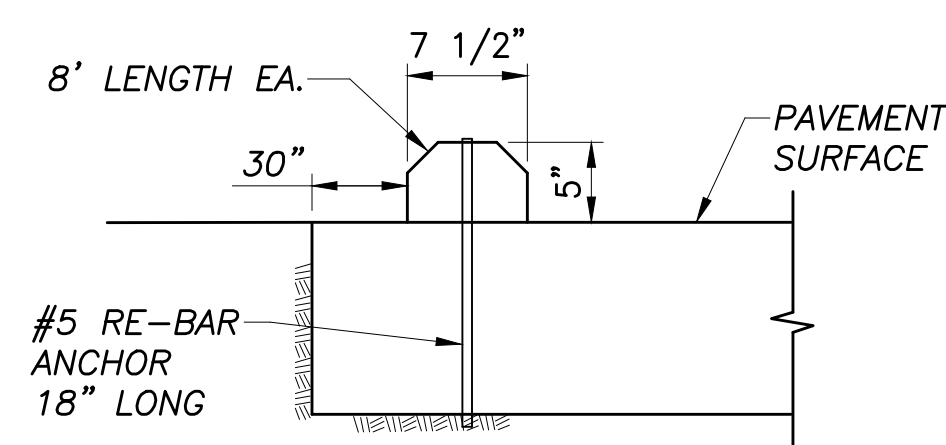
③ CONCRETE CURB w/INTEGRAL WALK
NO SCALE



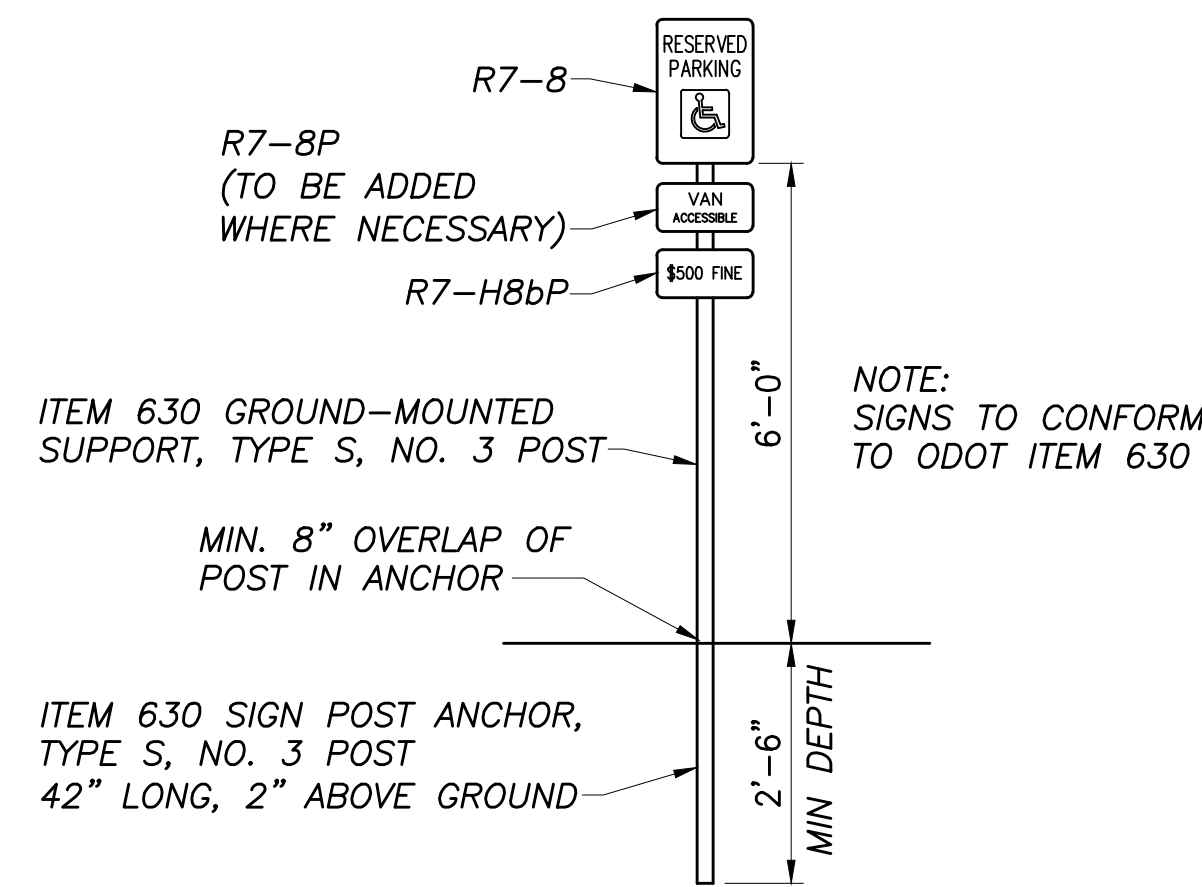
④ CONCRETE CURBS
NO SCALE



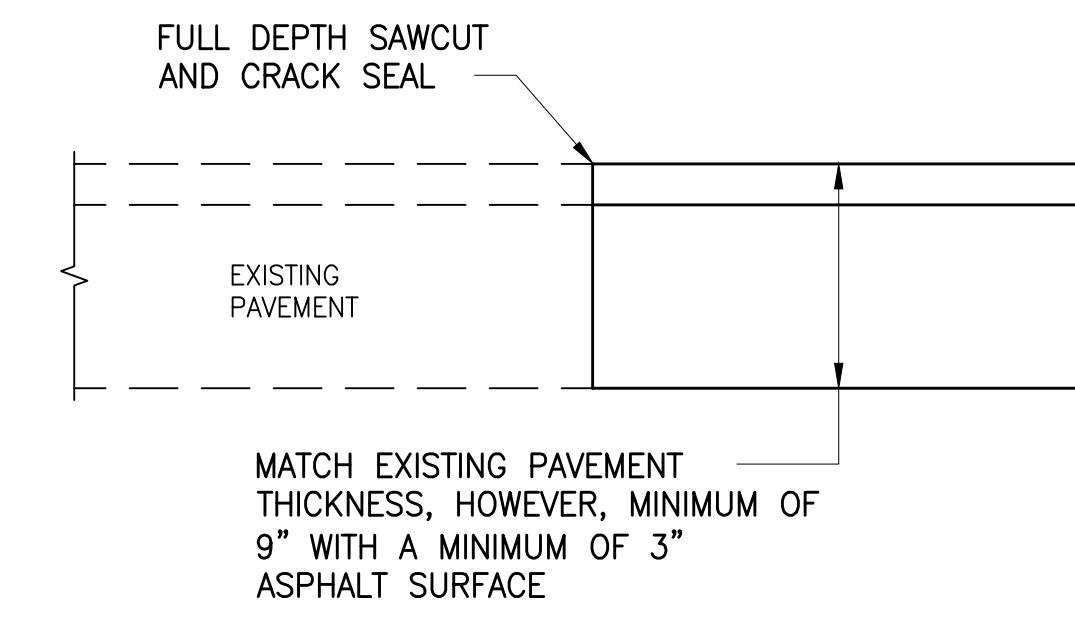
⑤ CONCRETE WALKS
NO SCALE



⑥ PARKING BLOCK DETAIL
NO SCALE



⑦ HANDICAP PARKING SIGN
NO SCALE



⑧ ASPHALT PAVEMENT REPAIR
NO SCALE

#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
2223 CLEVELAND AVENUE
COLUMBUS, OH 43211
COLUMBUS METROPOLITAN LIBRARY

MOODY ENGINEERING
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COLUMBUS, OHIO 43215
P: 614 280 8999
MOODY-ENG.COM

DRAWING TITLE: CIVIL DETAILS	
PROGRESS DRAWING NOT FOR CONSTRUCTION	11/21/2023 DRAWN BY: . . . CHECKED BY: . . . ME#21078 C600 CONSTRUCTION DOCUMENTS

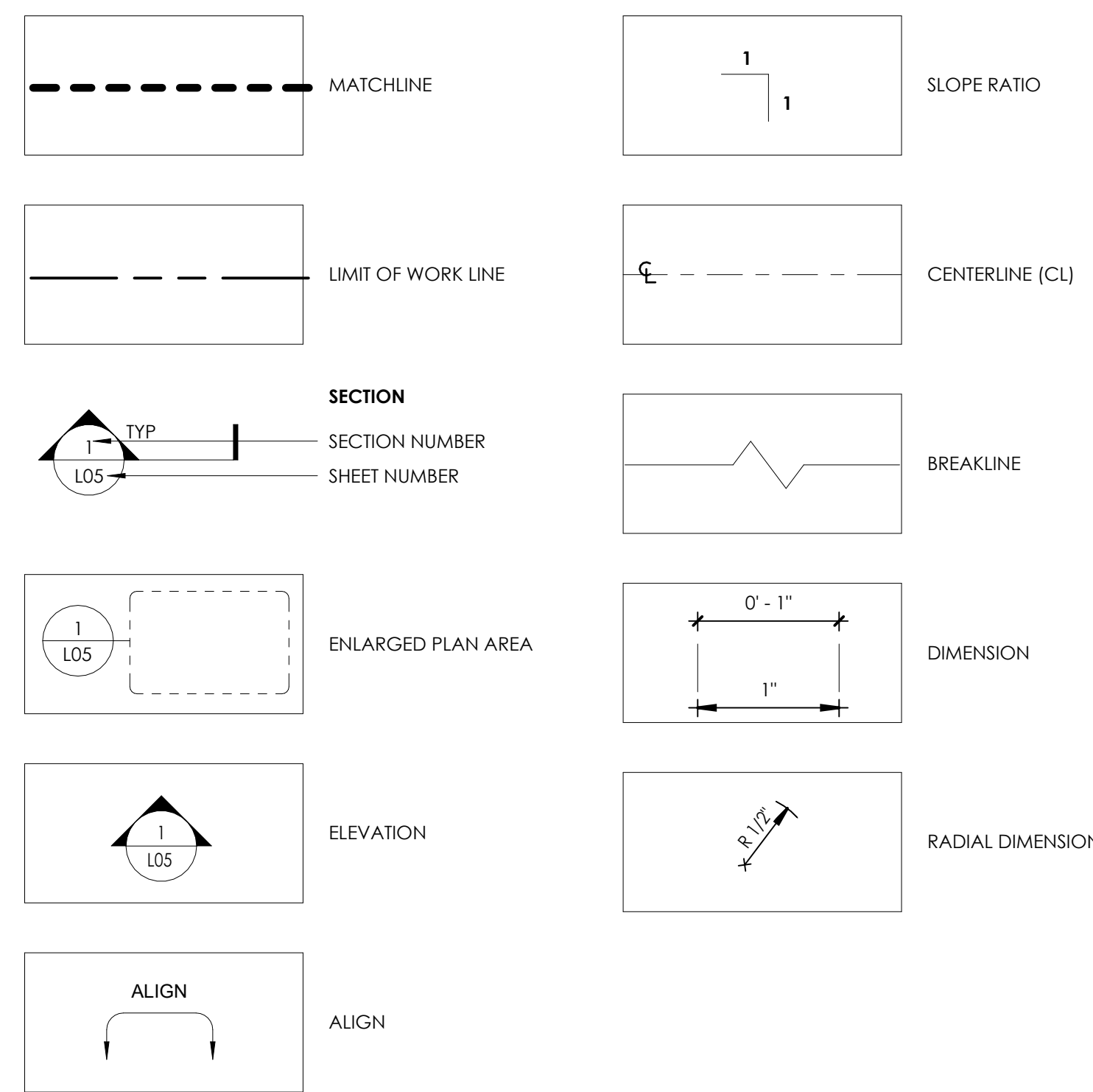
SHEET INDEX:

Sheet Number	Sheet Name
L1.1	OVERALL SITE PLAN
L2.1	SITE MATERIALS & ELEMENTS PLAN
L2.2	SITE LAYOUT & JOINTING PLAN
L2.3	SITE SOILS PLAN
L2.4	SITE PLANTING PLAN
L2.5	SITE IRRIGATION PLAN LIMITS
L2.6	AMENITY TERRACE PLANS
L7.1	PAVING & SITE ELEMENTS DETAILS
L7.2	WALL ENLARGED PLANS AND ELEVATIONS
L7.3	WALL DETAILS
L7.4	STAIR DETAILS
L7.5	REFUSE ENCLOSURE DETAILS
L7.6	SOILS & DRAINAGE DETAILS
L7.7	PLANTING DETAILS

ABBREVIATIONS:

@	ASPHALTIC CONCRETE	FOC	FACE OF CURB	SCD	SEE CIVIL DRAWINGS
AD	AREA DRAIN	FOW	FACE OF WALL	SD	SLOT DRAIN
AG	AGGREGATE PAVING	FS	FINISH SURFACE	SED	SEE ELECTRICAL DRAWINGS
AGW	AGGREGATE AT WATER FEATURE POOL BOTTOM	GALV	GALVANIZED	SGB	SUBGRADE GRADE BREAK
AM	AGGREGATE MULCH	GB	GRADE BREAK	SGS	STEEL SUBSURFACE
AP	ASPHALT PAVEMENT	GJ	GROUT JOINT	SH	STEEL HEADER
B&B	BALL AND BURLAP	HH	HANDHOLE	SIM	SIMILAR
BC	BOTTOM OF CURB	HORIZ	HORIZONTAL	SJ	SCORE JOINT
BD	BOLLARD	HP	HIGH POINT	SPD	SEE PLUMBING DRAWINGS
BE	BUILDING ENTRY	HT	HEIGHT	SS	STAINLESS STEEL
BFF	BOTTOM OF FENCE POST	ID	INSIDE DIAMETER	SSD	SEE STRUCTURAL DRAWINGS
BLDG	BUILDING	IE	INVERT ELEVATION	STD	STANDARD
BCC	BACK OF CURB	INV	INVERTED	STSL	STRUCTURAL SLAB
BN	BENCH	LH	LAYOUT LINE OF HEADER	TA	TOP OF ANGLE
BP	BRICK PAVEMENT	LONGIT	LONGITUDINAL	TB	TOP OF BOLLARD
BW	BOTTOM OF WALL	LOW	LIMIT OF WORK	T&B	TOP AND BOTTOM
CAL	CALIPER	LP	LOW POINT	TC	TOP OF CURB
CB	CATCH BASIN	LT	LIGHT POLE	TCJ	TOOLED CONTROL JOINT
CC	CONCRETE CURB	M	MANHOLE	TD	TRENCH DRAIN
CH	CONCRETE HEADER	MAX	MAXIMUM	TFE	TOP OF FOOTING
CJ	CONTROL JOINT	ME	MATCH EXISTING	TFP	TOP OF FENCE PICKET
CL	CENTERLINE	MFR	MANUFACTURER	TG	TREE GRATE
CLR	CLEARANCE	MIN	MINIMUM	TH	TOP OF HEADER
CO	CLEANOUT	NIC	NOT IN CONTRACT	THP	TRENCH INVERT HIGH POINT
COL	COLUMN	NTS	NOT TO SCALE	TIO	TRENCH INVERT OUTLET
COJ	CONSTRUCTION JOINT	OC	ON CENTER	TL	TRASH RECEPTACLE
CONC	CONCRETE	OCEW	ON CENTER EACH WAY	TOC	TOP OF CONCRETE
CONT	CONTINUOUS	OD	OUTSIDE DIAMETER	TP	TOP OF PLINTH
CP	CONCRETE PAVEMENT	OP	OVERFLOW PIPE	TR	TREE
CR	CURB RAMP	OPP	OPPOSITE	TS	TOP OF STAIR
DA	DIAMETER	PA	PLANTING AREA	TW	TOP OF WALL
DM	DETECTION MANHOLE	PC	POINT OF CURVATURE	TRANS	TRANSVERSE
DN	DOWN	PD	PLANTING DRAIN	TRB	TOP OF ROOT BALL
DW	DETECTABLE WARNING	PED	PEDESTRIAN	TS	TOP OF STEP
DWG	DRAWING	PERF	PERFORATED	TSP	TOP OF STEEL PLATE
EF	EACH FACE	POB	POINT OF BEGINNING	TYP	TYPICAL
EJ	EXPANSION JOINT	POC	POINT OF CONNECTION	UDF	UNDERGROUND DRAIN PIPE
ELEV	ELEVATION	POF	POINT OF FINISH	VEH	VEHICULAR
EQ	EQUAL	PVT	POINT OF TANGENCY	VERT	VERTICAL
EW	EACH WAY	PVM	PAVEMENT	WF	WATER FEATURE
EX	EXISTING	R	RADIUS	WFS	WATER FEATURE SLAB
FCJ	FORMED CONTROL JOINT	RB	ROOT BARRIER	WFT	WATER FEATURE TRENCH
FE	FINISHED FLOOR ELEVATION	RM	RIM ELEVATION	WL	WATER LEVEL
FG	FINISH GRADE	ROW	RIGHT OF WAY	WPM	WATER PROOF MEMBRANE
FF	FORMED CONTROL JOINT	S	SLOPE	WWM	WELDED WIRE MESH
FG	FINISH GRADE	SA	STABILIZED AGGREGATE	W/	WITH
FI	FIRE HYDRANT	SAD	SEE ARCHITECTURAL DRAWINGS	W/O	WITHOUT
FL	FLOW LINE				

GENERAL LEGEND:



3312.49 - MINIMUM NUMBERS OF PARKING SPACES REQUIRED
 TABLE 3. PARKING REQUIREMENTS FOR INSTITUTIONAL, EDUCATIONAL AND ATHLETIC USES

PARKING REQUIRED (CULTURAL USES: LIBRARY) = 1; 400 SF BUILDING SQUARE FOOTAGE = 20,956 SF
 20,956 SF / 400 SF = 52.39 (53 REQUIRED PARKING SPACES)
 PROVIDED PARKING SPACES = 53 PARKING SPACES

3312.58 - EV PARKING MINIMUM REQUIREMENTS EFFECTIVE JANUARY 1ST, 2024

BUILDING CATEGORY: OFFICE, AND WORKPLACE

NUMBER OF PARKING SPACES PROVIDED: 53 PARKING SPACES TOTAL

ADA PARKING SPACES REQUIRED: 4
 ADA PARKING SPACES PROVIDED: 4 (1 OF WHICH BEING AN EVSE PARKING SPACE)

EV CAPABLE PARKING SPACES REQUIRED: 20% OF TOTAL PROVIDED PARKING SPACES OR 12 PARKING SPACE
 EV CAPABLE PARKING SPACES PROVIDED: 5

EV READY PARKING SPACES REQUIRED: N/A
 EV READY PARKING SPACES PROVIDED: 0

EVSE PARKING SPACES REQUIRED: 2% OR 1.2 SPACES PROVIDED
 EVSE PARKING SPACES PROVIDED: 1

PROVIDED PARKING SPACES

PARKING SPACE TYPE	COUNT
ADA EV PARKING SPACE	1
ADA PARKING SPACE	3
EV CAPABLE PARKING SPACE	3
STANDARD PARKING SPACE	46

3312.49 - MINIMUM NUMBERS OF PARKING SPACES REQUIRED
 TABLE 3. PARKING REQUIREMENTS FOR INSTITUTIONAL, EDUCATIONAL AND ATHLETIC USES

BIKE PARKING REQUIRED (CULTURAL USES: LIBRARY) = YES

CITY OF COLUMBUS BICENTENNIAL BIKEWAYS PLAN:
 8.10.1. GUIDELINES FOR LOCATING BICYCLE PARKING:
 FIGURE 8-26: RECOMMENDED GUIDELINES FOR BICYCLE PARKING LOCATIONS AND QUANTITIES

8 BIKE PARKING SPACES REQUIRED
 8 BIKE PARKING SPACES PROPOSED

PROVIDED PARKING SPACES (NEW LAYOUT)

PARKING SPACE TYPE	COUNT
ADA EV PARKING SPACE	1
ADA PARKING SPACE	3
EV CAPABLE PARKING SPACE	4
STANDARD PARKING SPACE	59

DRAWING NOTES:

- THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS, AND APPLICABLE REGULATIONS, STANDARDS, MANUFACTURERS' INSTRUCTIONS, OR REQUIREMENTS OF REGULATORY AGENCIES, WHEN USED TO SPECIFY REQUIREMENTS FOR MATERIALS OF DESIGN ELEMENTS SHALL MEAN THE LATEST EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BIDS, OR THE DATE OF THE CHANGE ORDER OR FIELD ORDERS, AS APPLICABLE.
- EACH CONTRACTOR SHALL REPORT DISCREPANCIES IN DRAWINGS TO THE LANDSCAPE ARCHITECT FOR CLARIFICATIONS AND ADJUSTMENTS BEFORE COMMENCING WORK. ANY DEVIATIONS OR CHANGES IN THESE DRAWINGS WITHOUT WRITTEN ACCEPTANCE OF THE ARCHITECT SHALL ABSOLVE THE ARCHITECT OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION AND CHANGE.
- ALL LAYOUT TO BE BY A REGISTERED SURVEYOR OR ENGINEER. THE LANDSCAPE ARCHITECT WILL REVIEW THE LAYOUT FOR GENERAL CONFORMANCE PRIOR TO CONSTRUCTION.
- WORK SHOWN IS BASED ON A SURVEY PROVIDED BY ARCADIS IBI GROUP - COLUMBUS, OHIO - (614) 818-4900.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- ALL DIMENSIONS USING CURBS, BUILDING WALLS OR PAVEMENT AS A REFERENCE ARE FROM FACE OF CURB, FINISHED FACE OF BUILDING, FINISHED FACE OF WALL OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
- ROUGH GRADING WORK WILL BE REVIEWED AND ACCEPTED BY THE ARCHITECT PRIOR TO COMMENCEMENT OF SOIL PREPARATION WORK. DO NOT BEGIN SOIL PREPARATION WORK OR FINISH GRADING WORK BEFORE ROUGH GRADING IS ACCEPTED BY THE CIVIL ENGINEER / LANDSCAPE ARCHITECT.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ARCHITECT AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY AND COMPLETENESS OF THE INFORMATION SHOWN. THE EXACT LOCATION AND ELEVATION OF UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR.
- EXTERIOR PAVEMENT ELEVATIONS AT ALL ENTRANCES TO BUILDING ARE TO BE FLUSH WITH THE FINISHED FLOOR ELEVATION OF THE BUILDING ENTRANCE ELEVATIONS.
- MAKE TRANSITIONS BETWEEN CHANGES IN PAVING SMOOTH AND GRADUAL WITH NO SHARP OR ABRUPT CHANGES UNLESS SHOWN OTHERWISE.
- DIMENSIONS INDICATED ON PLANS ARE FOR HORIZONTAL CONTROL ARE ACCURATE IF MEASURED ON A LEVEL LINE. MEASURE HORIZONTAL CONTROL DIMENSIONS ON A LEVEL LINE, NOT PARALLEL WITH GROUND SLOPE.
- OBTAIN AESTHETIC ACCEPTANCE FROM THE CIVIL ENGINEER OF FINISH GRADING PRIOR TO PLANTING.
- REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING CIRCUITRY AND THE LIGHT FIXTURE SCHEDULE.
- COORDINATE PENETRATIONS REQUIRED FOR IRRIGATION AND SUB-DRAINAGE AND ELECTRICAL WORK WITH CONCRETE WORK.
- PLANTS AND DOUBLE SHREDDED HARDWOOD BARK MULCH ARE NOT SHOWN ON SOME DETAILS FOR PURPOSES OF CLARITY. SEE PLANTING PLAN FOR PLANT MATERIAL AREAS AND SEE TYPICAL PLANTING AREA DETAILS FOR LIMIT OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
- REFER TO CIVIL DRAWINGS FOR SANITARY SEWER LINES, STORM DRAIN LINES, GRADING AND OTHER UTILITY LINES.
- PROTECT EXISTING STRUCTURES AND SERVICES TO REMAIN INCLUDING BUT NOT LIMITED TO: UTILITIES, WALLS, STAIRS, AND RAMPS.
- ARCHITECT TO ACCEPT LOCATIONS FOR FOOTING POURS OF LIGHT POLES IN THE FIELD PRIOR TO POUR.
- WORK IN PUBLIC RIGHT-OF-WAY SHOWN FOR REFERENCE ONLY. VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- PROVIDE MOCK-UPS FOR APPROVAL BY ARCHITECT FOR ALL WALLS.
- ALL STRUCTURAL SITE ELEMENTS SUCH AS WALLS, FOOTINGS, SUB-SLABS, ETC. ARE TO BE ENGINEERED BASED ON THESE DRAWINGS AND APPROVED BY STRUCTURAL ENGINEER.
- ALL DRAINAGE ELEMENTS SUCH AS PIPING, DRAINS AND RAIN GARDENS ARE TO BE ENGINEERED BASED ON THESE DRAWINGS AND APPROVED BY CIVIL ENGINEER.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING SITE FURNISHINGS.



#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
 2223 CLEVELAND AVE
 COLUMBUS, OH 43211
 FOR
COLUMBUS METROPOLITAN LIBRARY

300 SPRUCE STREET
 SUITE 300
 COLUMBUS, OHIO 43215

PHONE: (614) 461-4664
 FAX: (614) 280-8881

DRAWING TITLE:
OVERALL SITE PLAN

NOVEMBER, 21, 2023

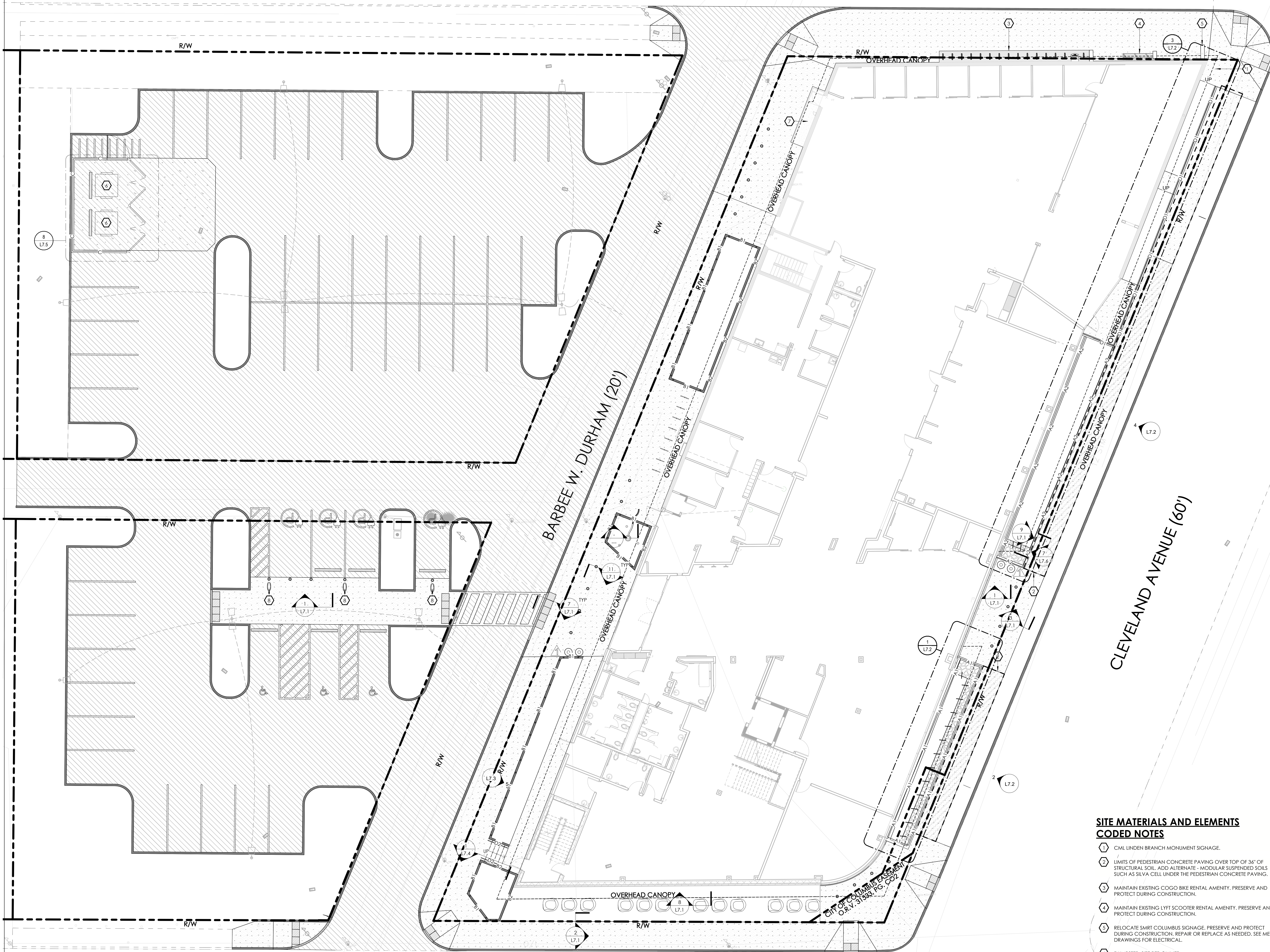
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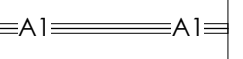


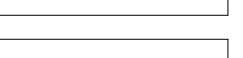
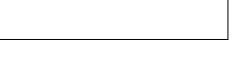

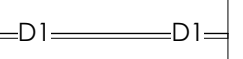



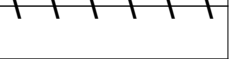




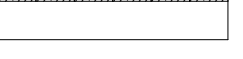

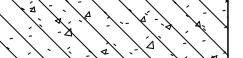

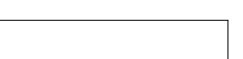
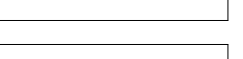


PERMIT SET

Timothy S. Skinner, License # LA.0901208
 Expiration Date 12/31/2024

KOHR PLACE (50')



MATERIALS, ELEMENTS, AND FURNISHINGS LEGEND:

-  CIP CONCRETE KNIFE EDGE RETAINING WALL - TYPE 1
-  CIP CONCRETE KNIFE EDGE RETAINING WALL - TYPE 2
-  CIP CONCRETE PLANTER CURB W/ SKATE DETERRANTS
-  CIP CONCRETE PLANTER CURB W/O SKATE DETERRANTS
-  REFUSE ENCLOSURE WALL - 6'-0" HGT.
-  RAMP RAILINGS
-  STAIR RAILINGS
-  REFUSE ENCLOSURE GATE
-  STEEL HEADER
-  CONCRETE WALK - FINISH: LIGHT-BROOM FINISH
-  CONCRETE WALK OVER TOP STRUCTURAL SOIL - FINISH: LIGHT-BROOM FINISH - SAND-BASED STRUCTURAL SOIL DEPTH 30" W/ 6" LIFTS
-  FLAGSTONE SPLASH PLATE - 4" DEPTH
-  DETECTABLE WARNING PLATE
-  DRAINAGE AGGREGATE BEHIND CIP CONCRETE KNIFE EDGE RETAINING WALL @ BUILDING FACE
-  REINFORCED CONCRETE PAVING - SHOWN FOR REFERENCE ONLY - SEE CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.
-  PARKING LOT SURFACING - SHOWN FOR REFERENCE ONLY - SEE CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.
-  BIKE RACK
-  LITTER & RECYCLING BINS
-  NATURAL STONE BOULDER - SIZE: HEIGHT: 36" - 36" LENGTH/WIDTH: 36" - 40" BURIED 3" UNDERGROUND TYP.
-  STAINLESS STEEL BOLLARD
-  FLAGPOLE - SIZE AND INSTALL PER MANUFACTURER'S SPECIFICATION
-  WHEEL STOP - SHOWN FOR REFERENCE ONLY - SEE CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.
-  SMOKING RECEPTACLE

SITE MATERIALS AND ELEMENTS CODED NOTES

- ① CML LINDEN BRANCH MONUMENT SIGNAGE.
- ② LIMITS OF PEDESTRIAN CONCRETE PAVING OVER TOP OF 36" OF STRUCTURAL SOIL. ADD ALTERNATE - MODULAR SUSPENDED SOILS SUCH AS SILVA CELL UNDER THE PEDESTRIAN CONCRETE PAVING.
- ③ MAINTAIN EXISTING COGO BIKE RENTAL AMENITY. PRESERVE AND PROTECT DURING CONSTRUCTION.
- ④ MAINTAIN EXISTING LYFT SCOOTER RENTAL AMENITY. PRESERVE AND PROTECT DURING CONSTRUCTION.
- ⑤ RELOCATE SMRT COLUMBUS SIGNAGE. PRESERVE AND PROTECT DURING CONSTRUCTION. REPAIR OR REPLACE AS NEEDED. SEE MEP DRAWINGS FOR ELECTRICAL.
- ⑥ EXISTING RAMP TO BUILDING. PRESERVE AND PROTECT DURING CONSTRUCTION.
- ⑦ DUMPSTER. SIZE PER OWNER.
- ⑧ <varies>

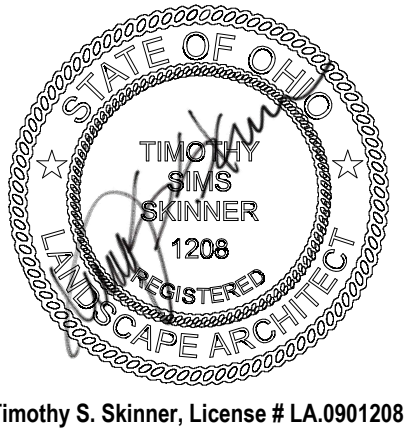
#	DATE	CHANGE DESCRIPTION

CML LINDEN BRANCH
 2223 CLEVELAND AVE
 COLUMBUS, OH 43211
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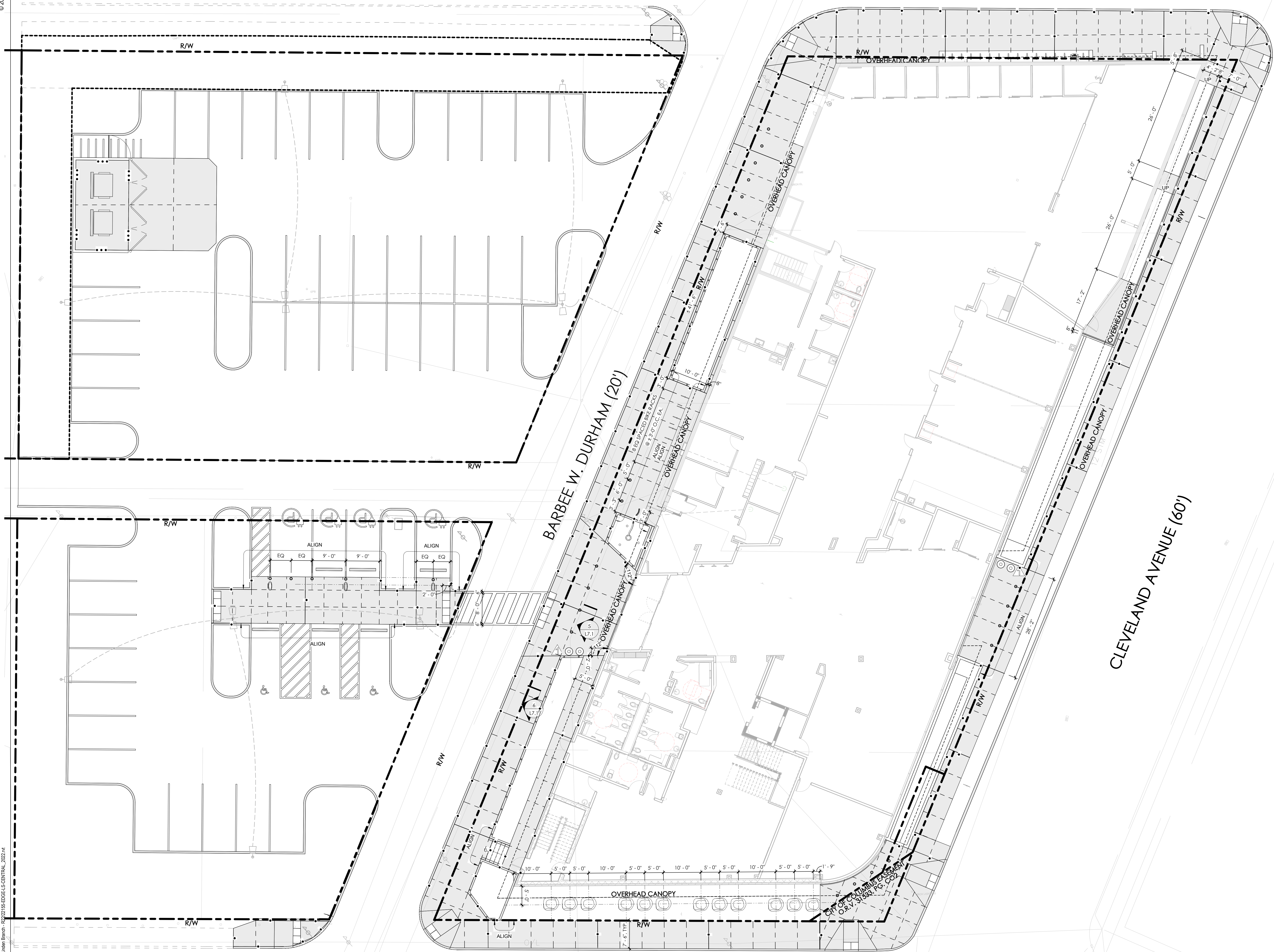
MOODY-NOLAN
 300 SPRUCE STREET
 SUITE 300
 COLUMBUS, OHIO 43215
 PHONE: (614) 461-4664
 FAX: (614) 280-8881

DRAWING TITLE: SITE MATERIALS & ELEMENTS PLAN

NOVEMBER, 21, 2023
 DRAWN BY: EDGE | CHECKED BY: CCL
 22155
L2.1
 PERMIT SET



KOHR PLACE (50')



KENMORE ROAD (40')

GENERAL NOTES - LAYOUT & JOINTING:

1. ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
2. DO NOT SCALE DRAWINGS. UTILIZE DIMENSIONS INDICATED ON DRAWINGS.
3. ALL DIMENSIONS USING CURBS, BUILDING WALLS OR PAVEMENT AS A REFERENCE ARE FROM FACE OF CURB, FINISHED FACE OF BUILDING, FINISHED FACE OF WALL OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
4. UNLESS INDICATED OTHERWISE, ALL WALKWAYS AND HARDSCAPE ABUT AT 90 DEGREE ANGLES.
5. UTILITIES ARE NOT SHOWN.
6. THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE A/E.
7. EACH CONTRACTOR SHALL NOTIFY THE A/E IMMEDIATELY IF A DISCREPANCY IS FOUND BETWEEN THE DIMENSION GIVEN AND ACTUAL DIMENSIONS IN THE FIELD, PRIOR TO CONSTRUCTION.
8. ALL LAYOUT TO BE BY A REGISTERED SURVEYOR OR ENGINEER. THE A/E WILL REVIEW THE LAYOUT FOR GENERAL CONFORMANCE PRIOR TO CONSTRUCTION.
9. EXTERIOR PAVEMENT ELEVATIONS AT ALL ENTRANCES TO BUILDING ARE TO BE FLUSH WITH THE FINISHED FLOOR ELEVATION OF THE BUILDING ENTRANCE ELEVATIONS.
10. FOR SITE FURNISHINGS REFER TO SPECIFICATIONS.
11. COLUMN JOINTING TO BE BY THE RECOMMENDATION OF THE STRUCTURAL ENGINEER.
12. LAYOUT OF BOULDER OUTCROPPINGS FOR DESIGN INTENT ONLY. FINAL LAYOUT TO BE APPROVED IN THE FIELD W/ OWNER AND LANDSCAPE ARCHITECT.

LAYOUT & JOINTING LEGEND:

LEGEND FOR GENERAL REFERENCE PURPOSES ONLY. NOT ALL ITEMS LISTED BELOW ARE USED ON EACH SHEET.

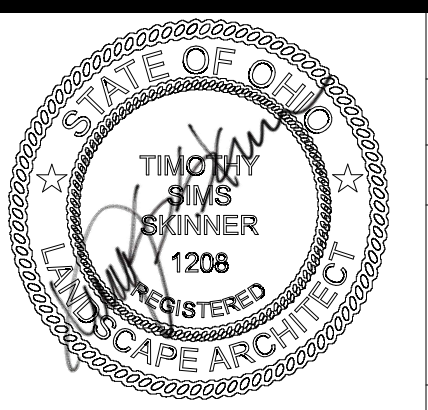
- TREE PROTECTION FENCING
- ALIGN
- EXPANSION JOINT - PEDESTRIAN
- CONTROL JOINT
- EXPANSION JOINT - VEHICULAR
SEE CIVIL ENGINEER'S DRAWINGS FOR MORE INFORMATION

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SITE LAYOUT & JOINTING PLAN



NOVEMBER, 21, 2023

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Timothy S. Skinner, License # LA.0991208
Expiration Date 12/31/2024