OWNER **DUBLIN CITY** SCHOOLS

SITE/CIVIL ENGINEER



WORTHINGTON, OH 43082 614-882-4311

THE KLEINGERS GROUP



MECHANICAL / PLUMBING ENGINEERS PRATER ENGINEERING DUBLIN, OH 43016 614-766-4896

DUBLIN SCIOTO HIGH SCHOOL ADDITION

PLANNING & ZONING

4000 HARD ROAD DUBLIN, OHIO 43016

DEVELOPMENT PLAN DOCUMENTS

ARCHITECT / MECHANICAL / ELECTRICAL / TECHNOLOGY

FANNING HOWEY ASSOCIATES INC. 614-764-4661





JEZERINAC GEERS & ASSOCIATES DUBLIN, OH 43017 614-766-0066

STRUCTURAL ENGINEER



FIRE ALARM ENGINEERS ADVANCED ENGINEERING CONSULTANTS COLUMBUS, OH 43215 614-486-4778



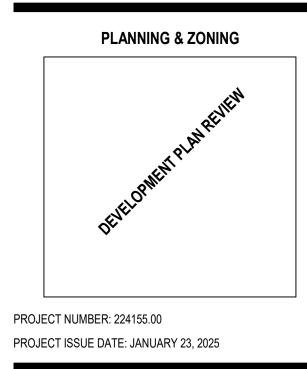
CONSTRUCTION MANAGER

ROBERTSON CONSTRUCTION **SERVICES, INC** HEATH, OH 43056 740-929-1000

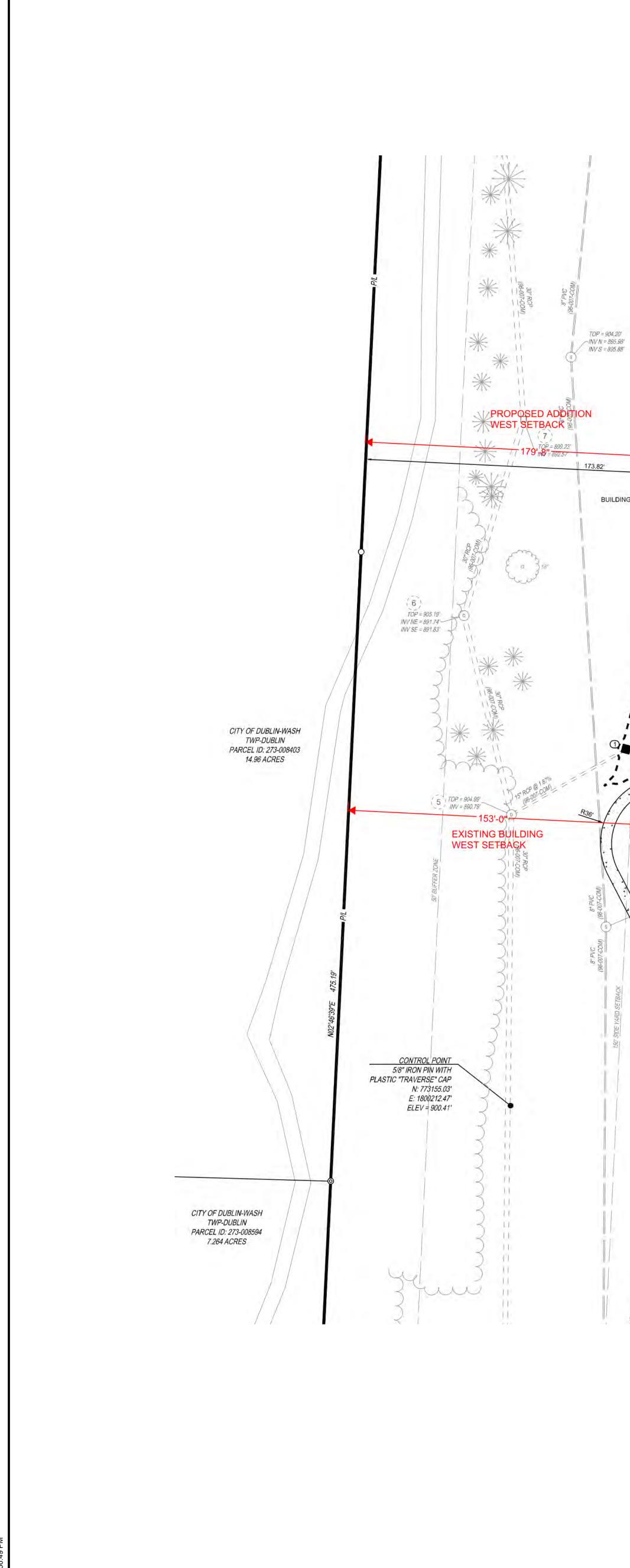


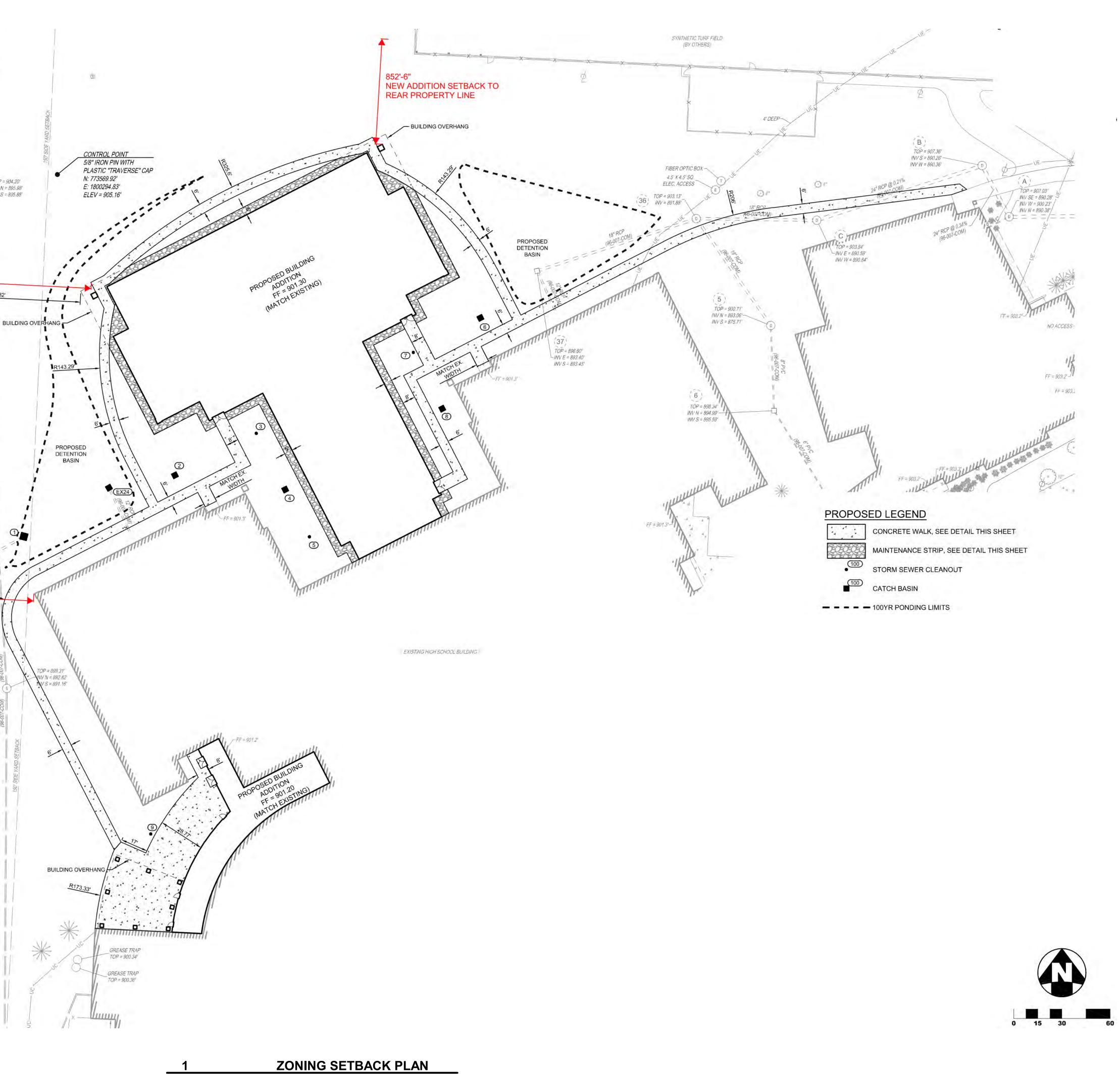


COVER SHEET - P&Z

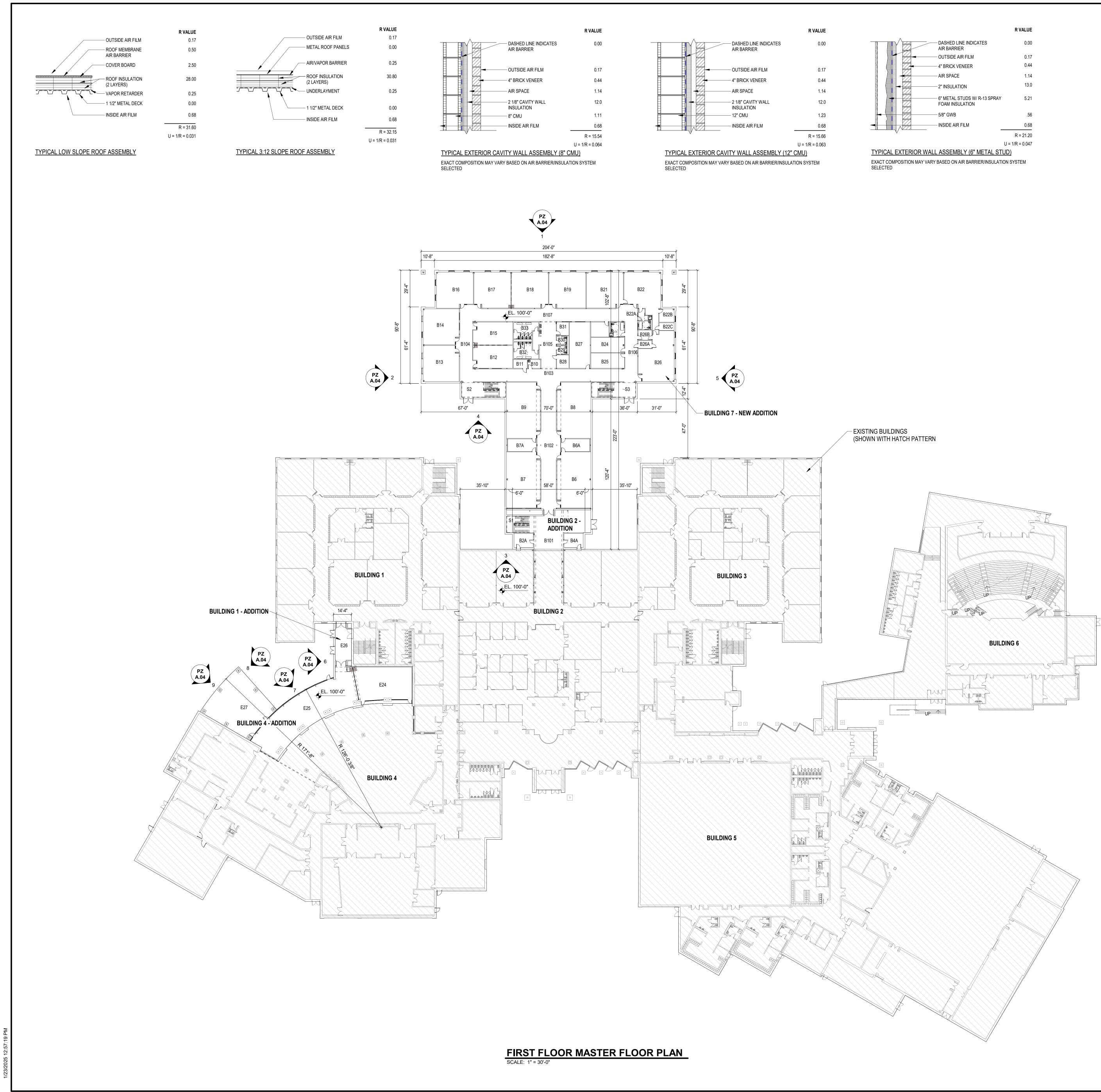




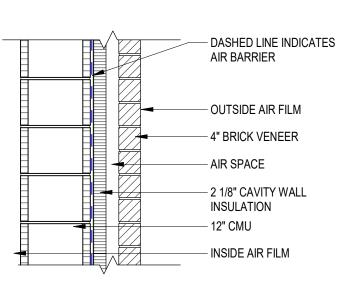








	R VALUE
DASHED LINE INDICA AIR BARRIER	TES 0.00
OUTSIDE AIR FILM	0.17
4" BRICK VENEER	0.44
	1.14
2 1/8" CAVITY WALL INSULATION	12.0
8" CMU	1.11
	0.68
A	R = 15 54

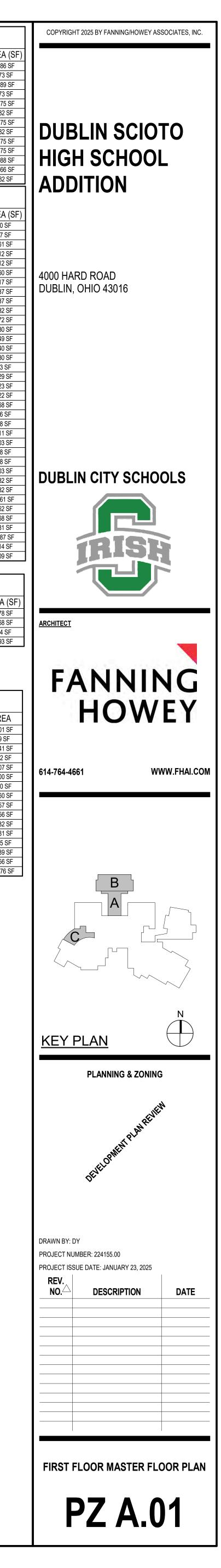


	R VALUE
DASHED LINE INDICATES	0.00
OUTSIDE AIR FILM	0.17
4" BRICK VENEER	0.44
	1.14
2" INSULATION	13.0
6" METAL STUDS W/ R-13 SPRAY FOAM INSULATION	5.21
5/8" GWB	.56
	0.68
	R = 21.20
	U = 1/R = 0.047

ROC	M LEGEND - FIRST FLOOR UN	NIT A
ROOM NO.	ROOM NAME	AREA (SF)
B2	EX. SCIENCE LAB	1286 SF
B2A	SCIENCE PREP	173 SF
B4	EX. SCIENCE LAB	1289 SF
B4A	SCIENCE PREP	173 SF
B6	SCIENCE LAB	1175 SF
B6A	SCIENCE PREP	232 SF
B7	SCIENCE LAB	1175 SF
B7A	SCIENCE PREP	232 SF
	SCIENCE LAB	1175 SF
B8		1175 SF 1175 SF
B9	SCIENCE LAB	
B101	CORRIDOR	2088 SF
B102	CORRIDOR	1466 SF
S1	STAIR	282 SF
ROC	M LEGEND - FIRST FLOOR UN	NIT B
ROOM NO.	ROOM NAME	AREA (SF)
B10	CUST.	70 SF
B11	ELEC.	77 SF
B12	SMALL GROUP	561 SF
B13	LEARNING STUDIO	812 SF
B14	LEARNING STUDIO	812 SF
B15	SMALL GROUP	560 SF
B16	LEARNING STUDIO	817 SF
B17	LEARNING STUDIO	837 SF
B18	LEARNING STUDIO	837 SF
B10 B19	LEARNING STUDIO	832 SF
B13 B20	SMALL GROUP	172 SF
B20 B21	LEARNING STUDIO	830 SF
B21 B22	SLC	949 SF
B22A	RESTROOM / SHOWER	140 SF
B22B	CALMING ROOM	130 SF
B22C	SENSORY ROOM	73 SF
B23	RESTROOM / SHOWER	129 SF
B24	SMALL GROUP	323 SF
B25	SMALL GROUP	322 SF
B26	SLC	968 SF
B26A	SENSORY ROOM	66 SF
B26B	CALMING ROOM	88 SF
B27	TEACHER COLLABORATION	611 SF
B28	TECH.	103 SF
B29	STAFF R.R.	58 SF
B30	STAFF R.R.	58 SF
B31	INST. STOR.	103 SF
B32	BOYS' RESTROOM	232 SF
B33	GIRLS' RESTROOM	232 SF
B103	CORRIDOR	1461 SF
B104	CORRIDOR	462 SF
B105	CORRIDOR	568 SF
B100	CORRIDOR	381 SF
B100 B107	CORRIDOR	1587 SF
-		
S2	STAIR	414 SF
S3	STAIR	409 SF
ROO	M LEGEND - FIRST FLOOR UN	NIT C
ROOM NO.	ROOM NAME	AREA (SF)

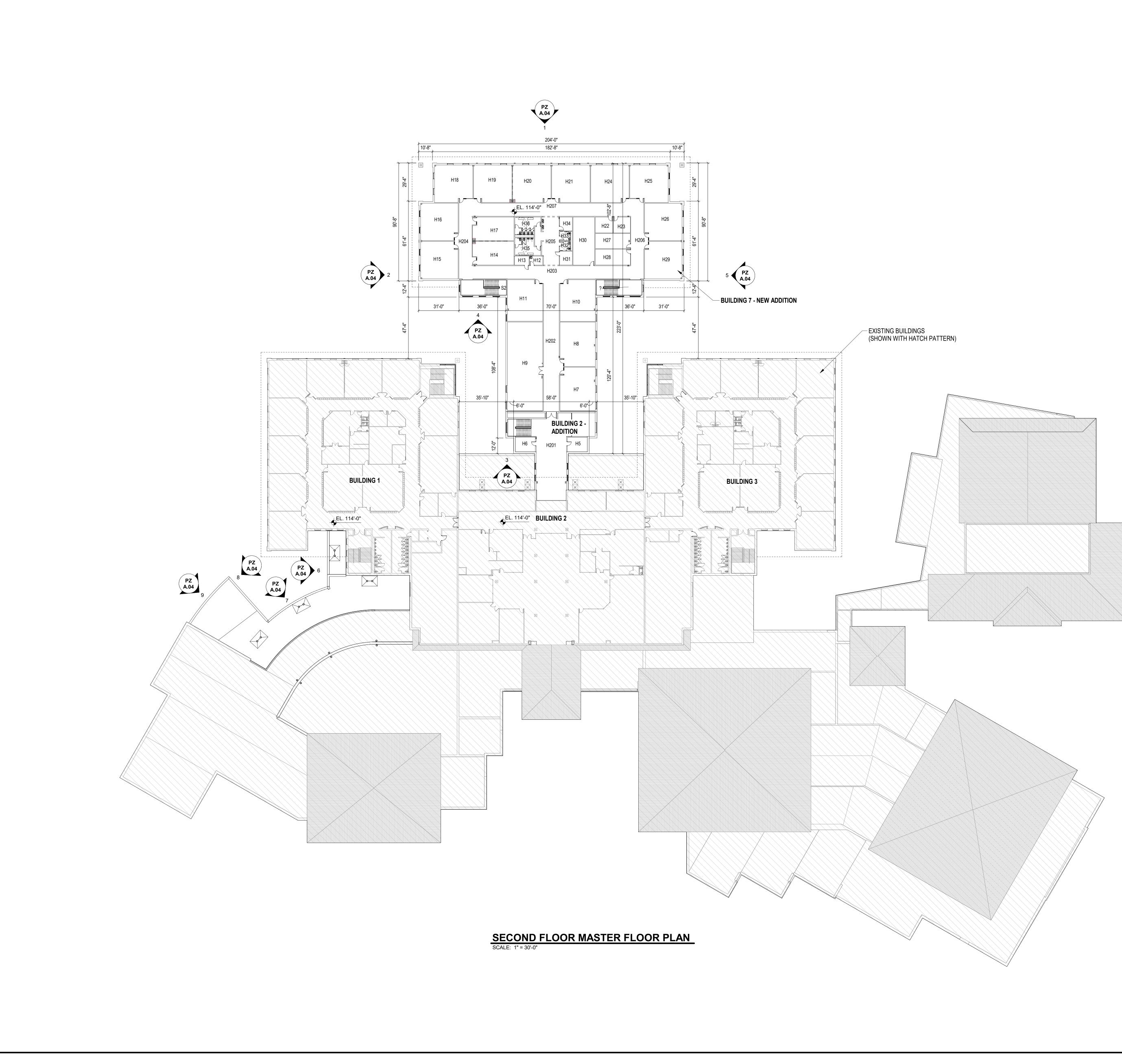
ROOM ELGEND - TIRST LOOK ONT C						
ROOM NO.	ROOM NAME	AREA (SF)				
E24	DINING / CLASSROOM	1178 SF				
E25	STUDENT DINING	2668 SF				
E26	CORRIDOR	404 SF				
E27	COVERED OUTDOOR PATIO	1793 SF				

BUILDING AREA - GROSS						
Level	Level NAME					
FIRST FLOOR	BUILDING 1	23901 S				
FIRST FLOOR	BUILDING 1 - ADDITION	489 SF				
FIRST FLOOR	BUILDING 2	26441 S				
FIRST FLOOR	BUILDING 2 - ADDITION	1912 S				
FIRST FLOOR	BUILDING 3	26307 S				
FIRST FLOOR	BUILDING 4	35500 S				
FIRST FLOOR	BUILDING 4 - ADDITION	5830 S				
FIRST FLOOR	BUILDING 5	57860 S				
FIRST FLOOR	BUILDING 6	23757 S				
FIRST FLOOR	BUILDING 7 - NEW BUILDING	25656 S				
SECOND FLOOR	BUILDING 1	24632 S				
SECOND FLOOR	BUILDING 2	17781 S				
SECOND FLOOR	BUILDING 2 - ADDITION	3015 S				
SECOND FLOOR	BUILDING 3	24639 5				
SECOND FLOOR	BUILDING 7 - NEW BUILDING	25656 5				
TOTAL GROSS AREA 323376						







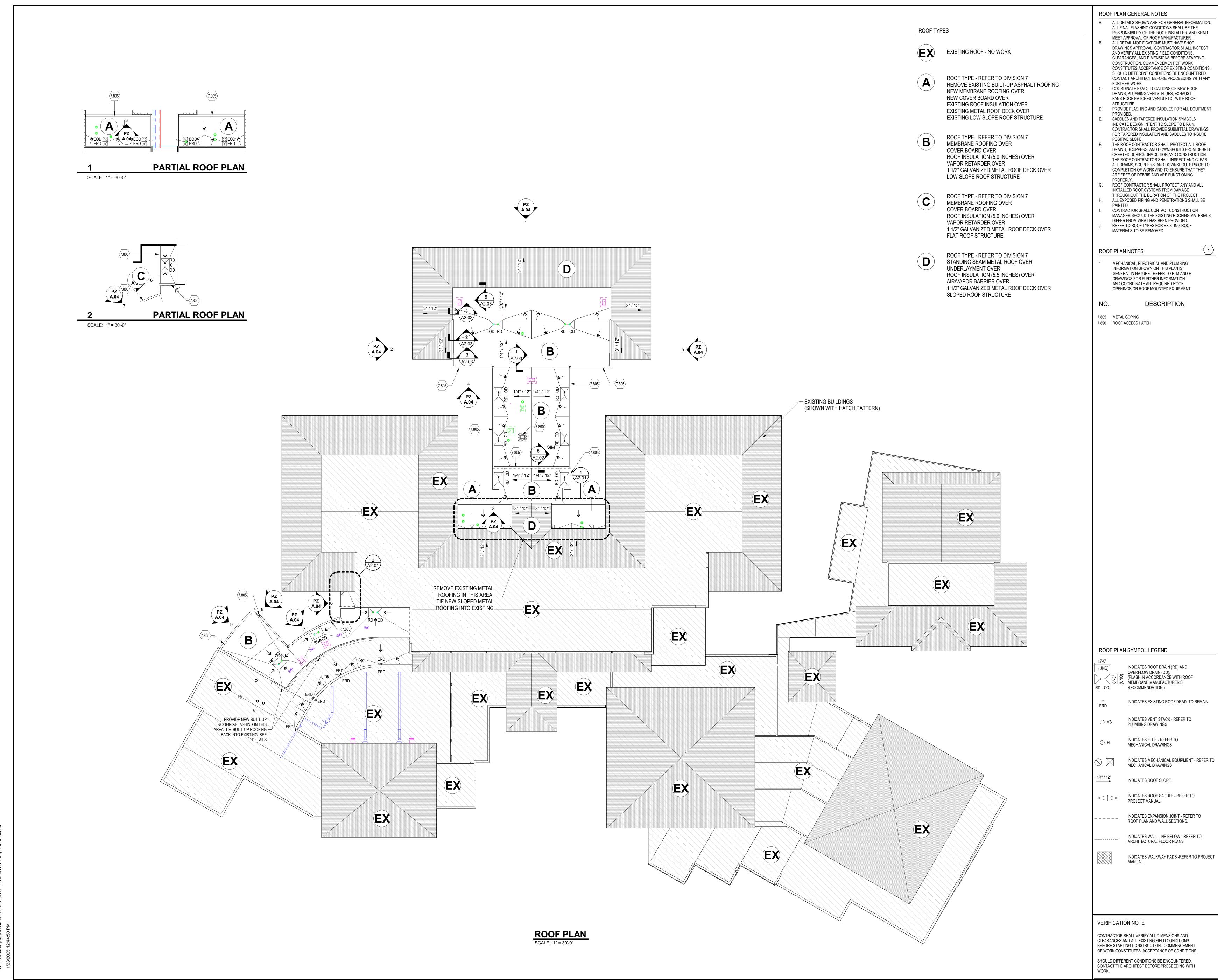


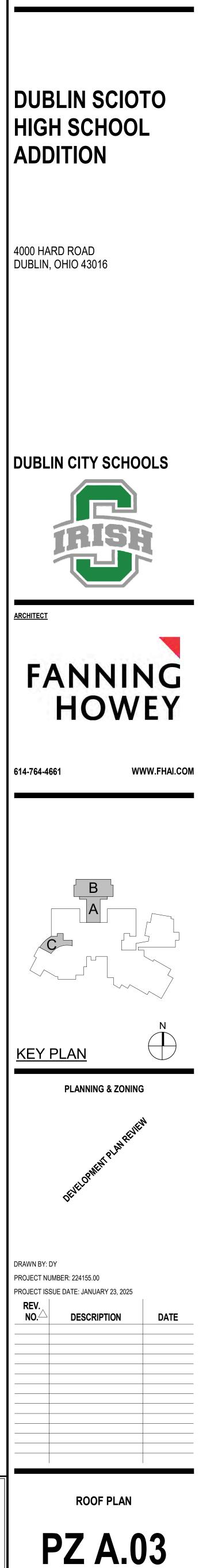
ROOM LEGEND - SECOND FLOOR UNIT A						
ROOM NO.	ROOM NAME	AREA (SF)				
H5	INST. STOR.	173 SF				
H6	INST. STOR.	173 SF				
H7	LEARNING STUDIO	885 SF				
H8	LEARNING STUDIO	908 SF				
H9	MECHANICAL ROOM	1844 SF				
H10	LEARNING STUDIO	849 SF				
H11	LEARNING STUDIO	846 SF				
H201	CORRIDOR	1741 SF				
H202	CORRIDOR	1315 SF				

ROOM LEGEND - SECOND FLOOR UNIT I				
ROOM NO.	ARE			
H12	CUST.	70		
H13	ELEC.	77		
H14	SMALL GROUP	564		
H15	LEARNING STUDIO	812		
H16	LEARNING STUDIO	812		
H17	SMALL GROUP	563		
H18	LEARNING STUDIO	817		
H19	LEARNING STUDIO	83		
H20	LEARNING STUDIO	837		
H21	LEARNING STUDIO	832		
H22	SMALL GROUP	164		
H23	SMALL GROUP	158		
H24	LEARNING STUDIO	83		
H25	LEARNING STUDIO	81		
H26	LEARNING STUDIO	81		
H27	SMALL GROUP	31		
H28	SMALL GROUP	327		
H29	LEARNING STUDIO	81		
H30	TEACHER COLLABORATION	61		
H31	TECH.	103		
H32	STAFF R.R.	58		
H33	STAFF R.R.	58		
H34	INST. STOR.	103		
H35	BOYS' RESTROOM	232		
H36	GIRLS' RESTROOM	232		
H203	CORRIDOR	144		
H204	CORRIDOR	460		
H205	CORRIDOR	56		
H206	CORRIDOR	420		
H207	CORRIDOR	158		

E	BUILDING AREA - GROSS	
Level	NAME	ARI
FIRST FLOOR	BUILDING 1	2390
FIRST FLOOR	BUILDING 1 - ADDITION	489
FIRST FLOOR	BUILDING 2	2644
FIRST FLOOR	BUILDING 2 - ADDITION	1912
FIRST FLOOR	BUILDING 3	2630
FIRST FLOOR	BUILDING 4	3550
FIRST FLOOR	BUILDING 4 - ADDITION	5830
FIRST FLOOR	BUILDING 5	5786
FIRST FLOOR	BUILDING 6	2375
FIRST FLOOR	BUILDING 7 - NEW BUILDING	2565
SECOND FLOOR	BUILDING 1	24632
SECOND FLOOR	BUILDING 2	1778
SECOND FLOOR	BUILDING 2 - ADDITION	3015
SECOND FLOOR	BUILDING 3	2463
SECOND FLOOR	BUILDING 7 - NEW BUILDING	25656
TOTAL GROSS AR	EA	32337

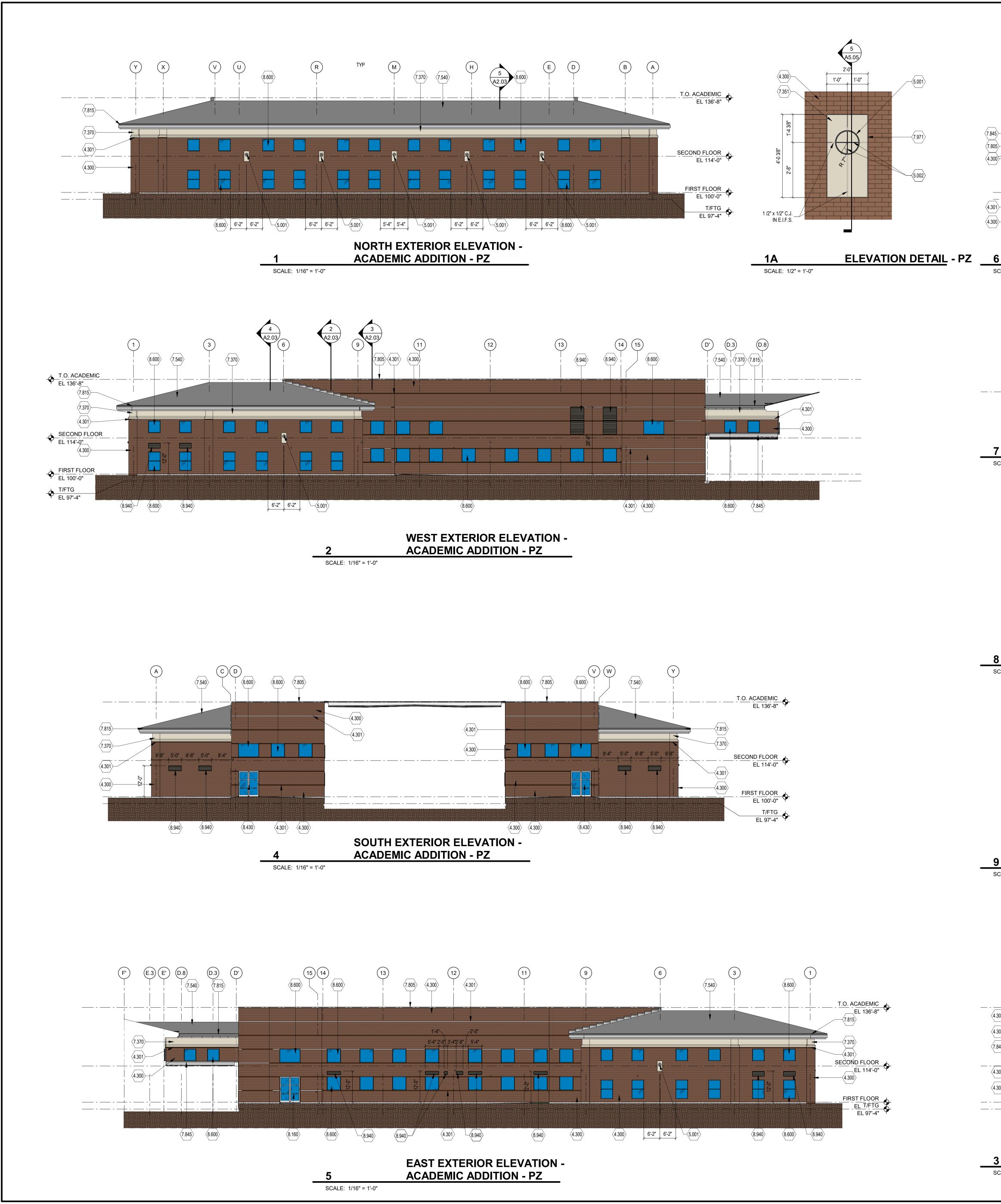




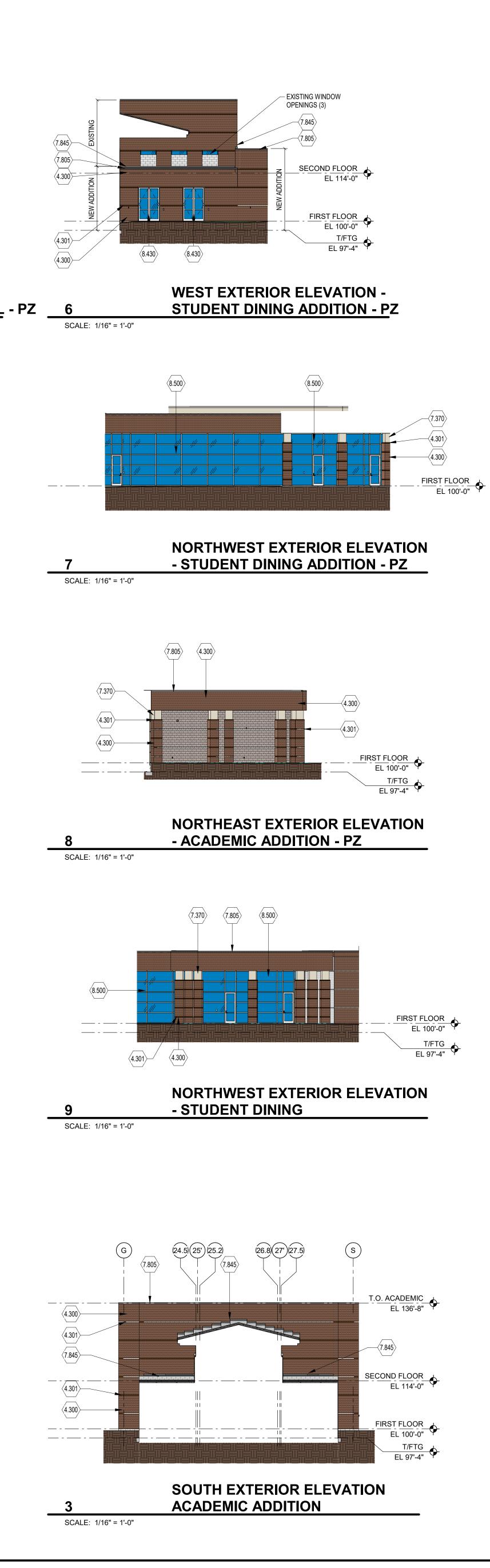


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ELE	VATION GENERAL NOTES
1.	REFER TO THE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR CAMERA, LOCATIONS, SECURITY DEVICES, RECEPTACLES, LIGHT FIXTURES, ETC. COORDINATE LOCATIONS WITH VENEER COURSING TO PROVIDE CONSISTENT MOUNTING HEIGHTS.
2.	REFER TO PLUMBING DRAWINGS FOR EXTERIOR WALL HYDRANTS, ETC. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION
3.	MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM. REFER TO MECHANICAL DRAWINGS FOR EXTERIOR LOUVER LOCATIONS LOCATED IN EXTERIOR WALL. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.
BUIL	DING ELEVATION NOTES
(ALL N	NOTES MAY NOT BE INDICATED ON THIS SHEET)
<u>NO.</u>	DESCRIPTION
4.300	BRICK COLOR A -MODULAR
4.301	BRICK COLOR B -MODULAR
5.001	DECORATIVE GALVANIZED METAL RING 1/2" x 2 1/2" WITH (4) 1/4" DIA. METAL POSTS
5.002	DECORATIVE GALVANIZED METAL 1/4" x 2 1/2" WELDED TO METAL RING
7.351	POLYMER-BASED EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) OVER MAS. VENEER
7.370	WATER-DRAINAGE-EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)
7.540	STANDING SEAM METAL ROOF PANELS
7.805	METAL COPING
7.815	ROOF EDGE FASCIA

8.430STOREFRONT FRAMING8.500GLAZED ALUMINUM CURTAIN WALL

7.845 METAL REGLET AND COUNTERFLASHING

7.971 BACKER ROD AND JOINT SEALANT

8.160 ALUMINUM DOOR

8.600 ALUMINUM STOREFRONT WINDOW 8.940 FIXED LOUVER - REFER TO MECHANICAL DRAWINGS

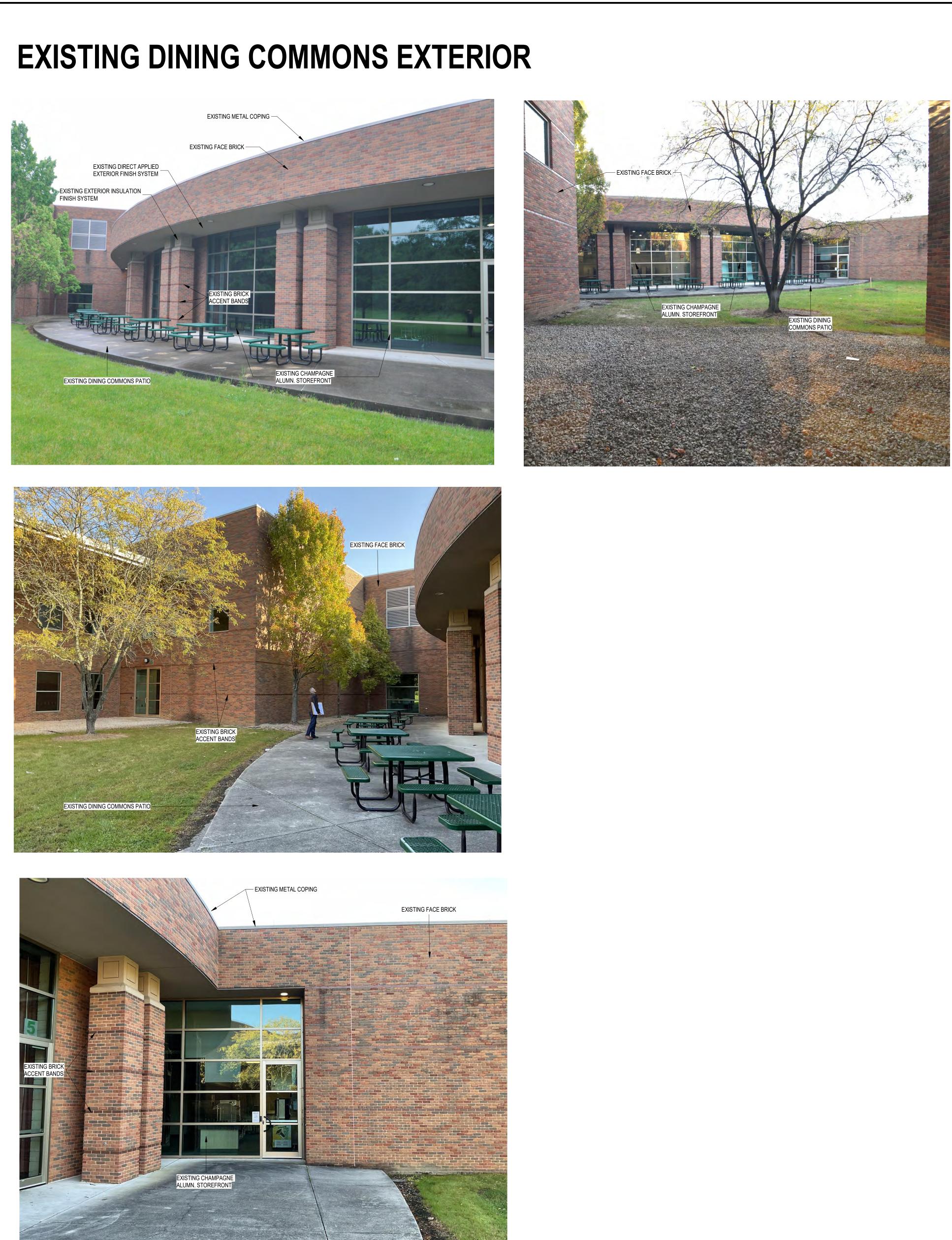
VERIFICATION NOTE

WORK.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH

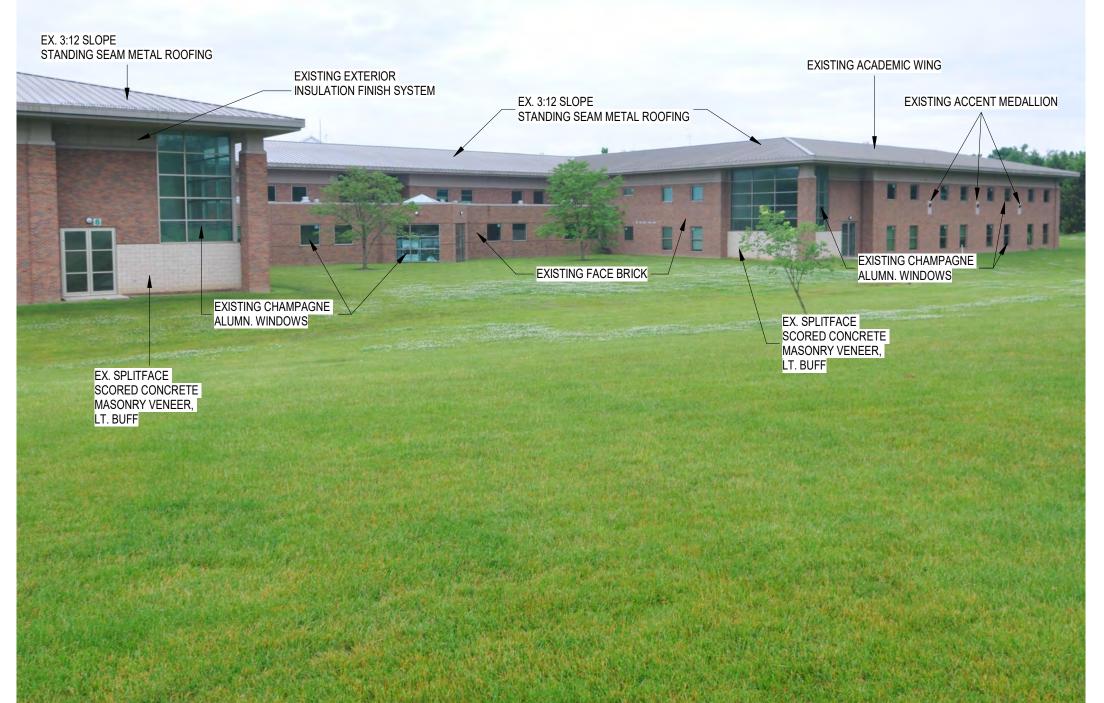


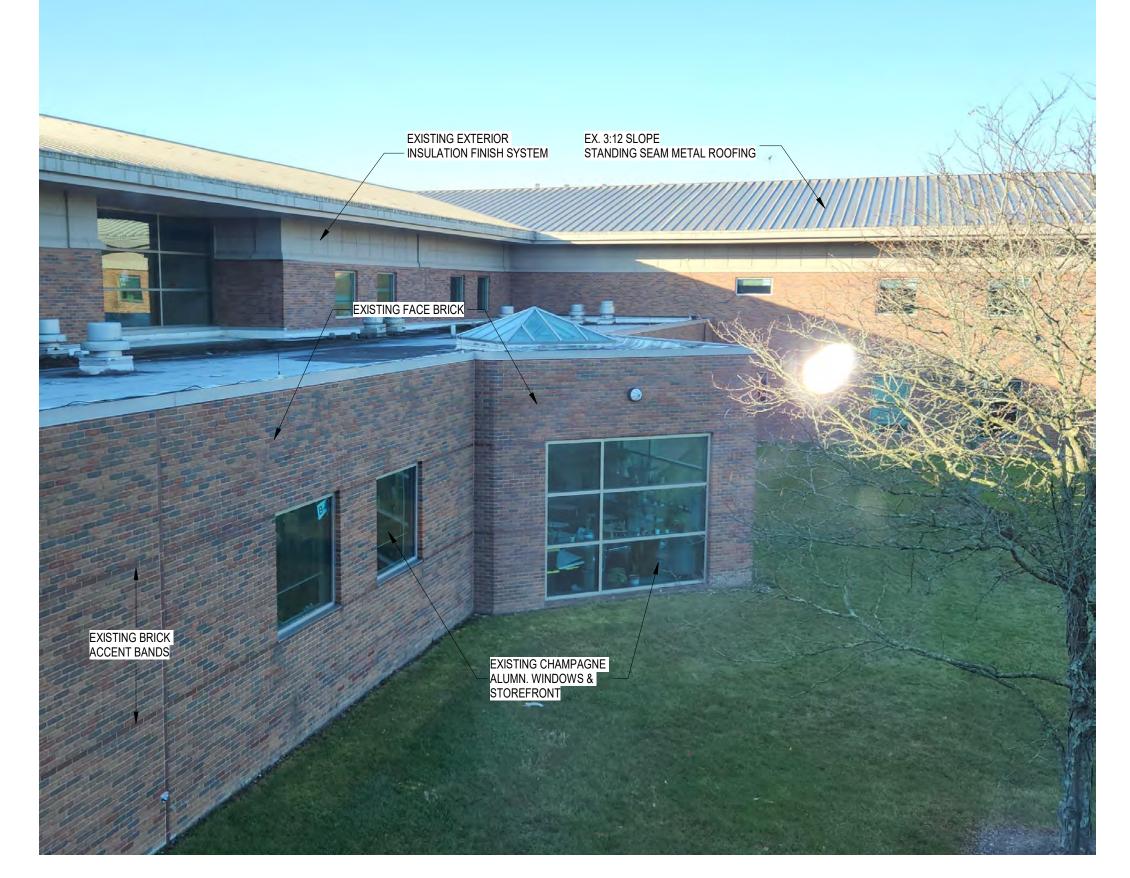
' WITH (4) DED TO





EXISTING EXTERIOR VIEWS AT LOCATION OF NEW ACADEMIC WING











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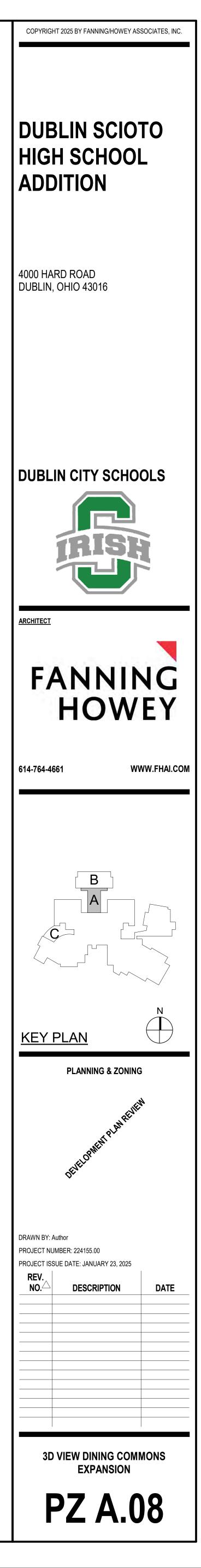


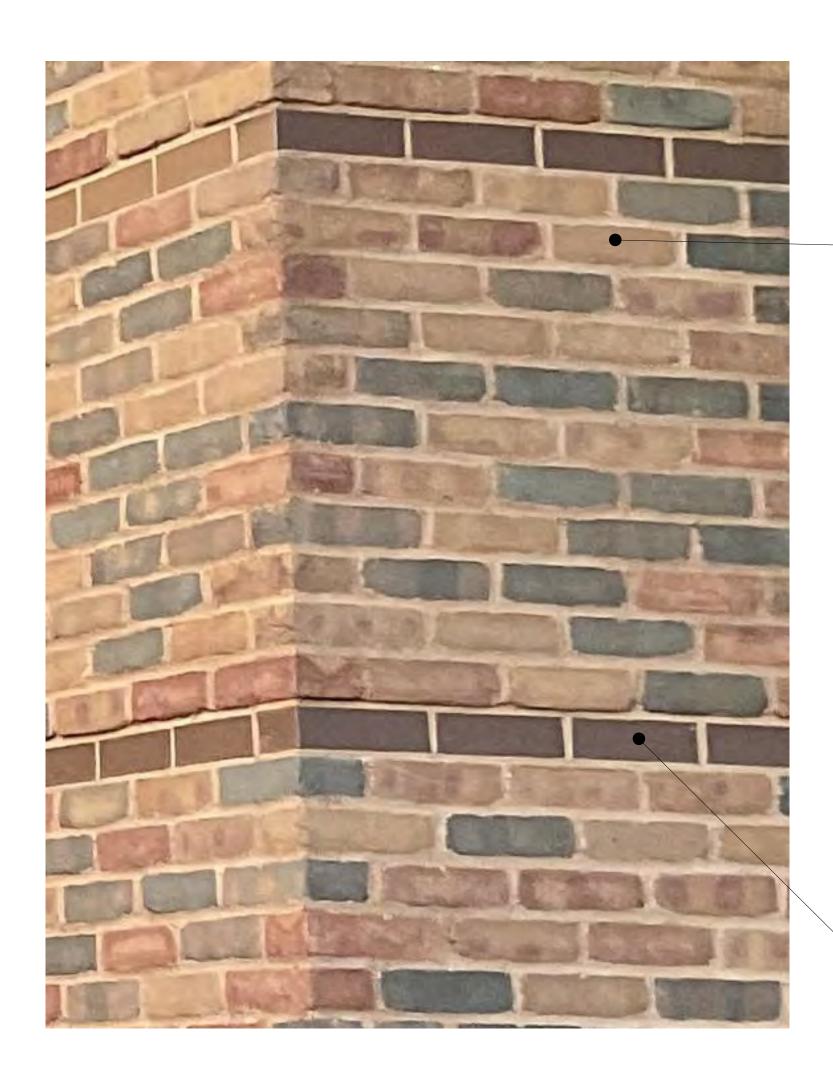
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3D VIEW - PROPOSED DINING COMMONS EXPANSION

1 N.T.S.





Direct Applied Exterior Insulation Finish System (Soffit)

SAME MATERIAL, FINISH AND COLOR AS THE EXTERIOR INSULATION FINISH SYTEM

Exterior Insulation Finish System

TOP OF WALL ACCENT BAND WITH SCORE REVEAL LINES TO MATCH EXISTING LAYOUT.

BASIS OF DESIGN DRYVIT COLOR: SANDSTONE FINISH: SANDPEBBLE



Sandpebble"



Brick Color A

TYPICAL FIELD BRICK MATERIAL USED THROUGHOUT EXISTING HIGH SCHOOL

NEW ADDITION WILL MATCH THE EXISTING BRICK

BELDEN BRICK COLOR: BELCREST 760

MORTAR COLOR TO MATCH EXISTING

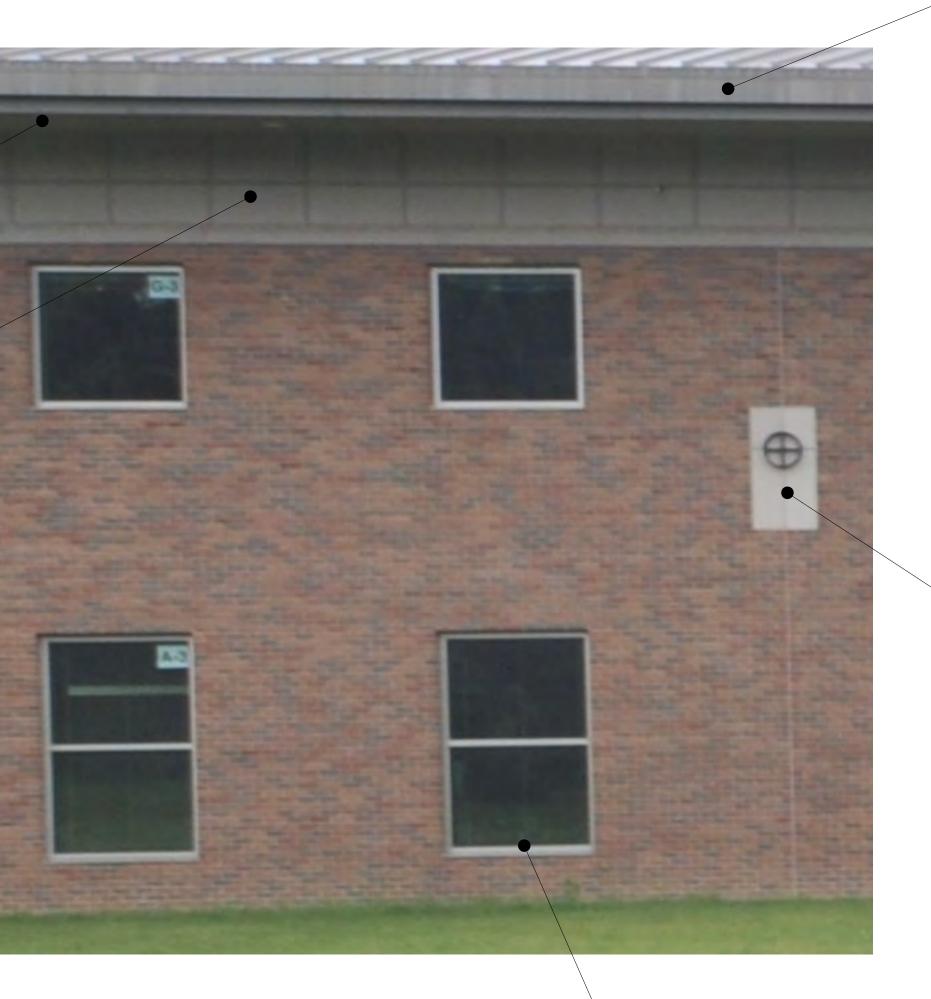


Accent Brick Color B

LINEAR ACCENT BRICK USED IN LIMITED LOCATIONS ON THE EXISTING BUILDING. ACCENT BANDS ARE CURRENT LOCATED ON WALLS WITH METAL COPING CAPS WHICH ARE ADJACENT TO THE EXISTING ACADEMIC WINGS AND THE DINING COMMONS.

NEW ADDITION WILL HAVE ACCENT BANDING ON WALLS CONNECTING TO OR ADJACENT TO EXISTING WALLS WHICH ALERADY HAVE ACCENT BANDS AND WILL CONTINUE THE ACCENT BANDS ONTO THE NEW EXTERIOR WALLS. REFER TO PROPOSED ELEVATIONS FOR LOCATIONS.

BASIS OF DESIGN: MATERIAL SELECTION WILL MATCH EXISTING



and Metal Coping

Accent Medallion

SEE 1A/PZ A.04 EXTERIOR ELEVATIONS FOR MATCHING DETAIL TO BE PROVIDED ON PROPOSED ACADEMIC WING ADDITION

Aluminum Storefront Window Framing

EXISTING WINDOWS ARE FIXED STOREFRONT SYSTEM NEW WINDOWS WILL MATCH EXISTING TYPE AND LAYOUT BASIS OF DESIGN: CHAMPAGNE ANODIZED ALUMINUM

TO MATCH EXISTING

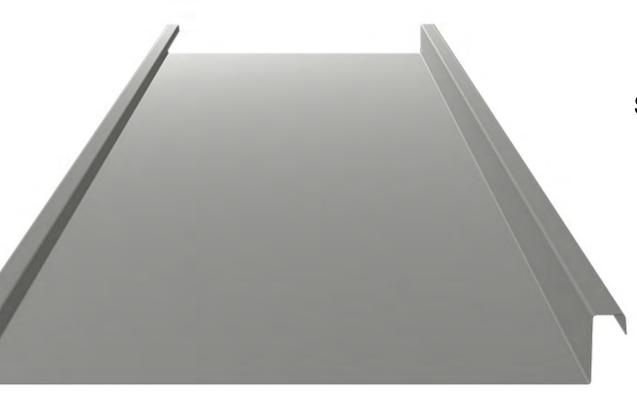


Insulated Tinted Glazing Units

EXISTING GLAZING IS A TINTED DUAL GLAZED WINDOW PANEL SYSTEM. BASIS OF DESIGN: VIRACON LOW-E VE 6-2M

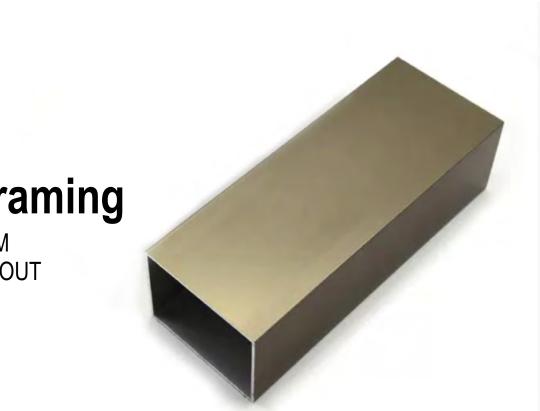
Standing Seam Metal Roofing, Fascia,

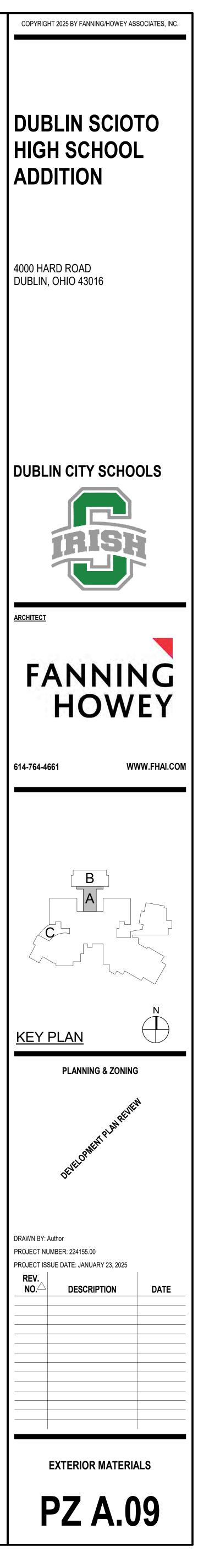
NEW STANDING SEAM METAL ROOFING SYSTEM & METAL FASCIA. METAL COPING TO MATCH EXISTING

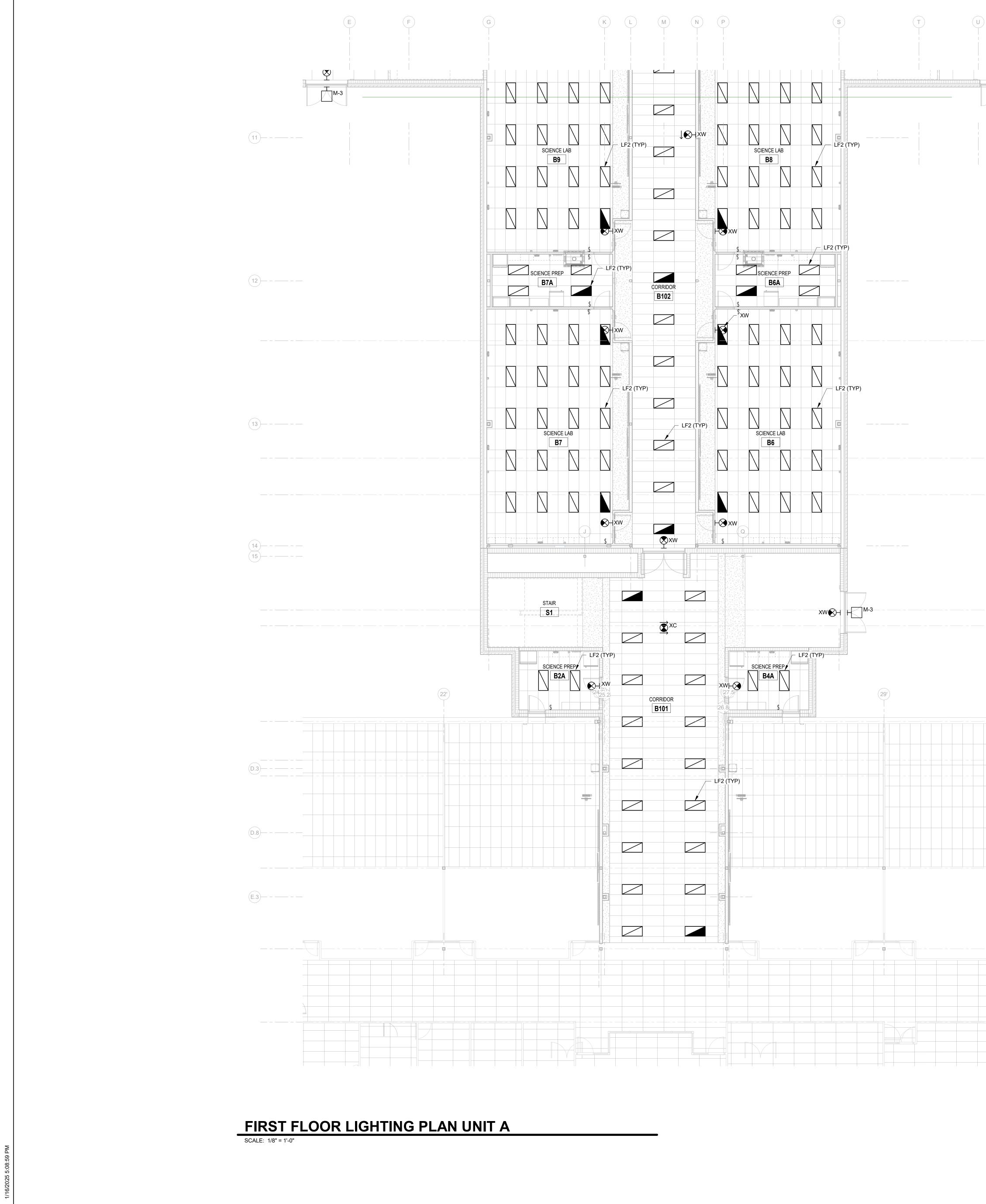


STANDING SEAM METAL ROOFING PANEL BASIS OF DESIGN: DMI, SL20 COLOR: SLATE GREY

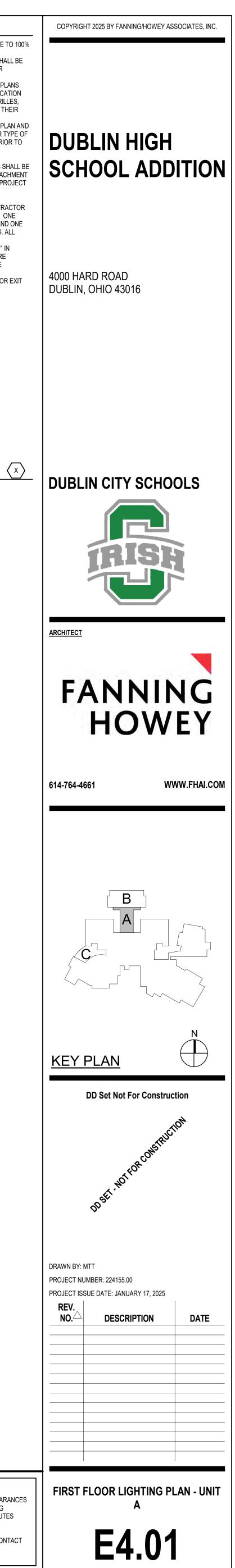


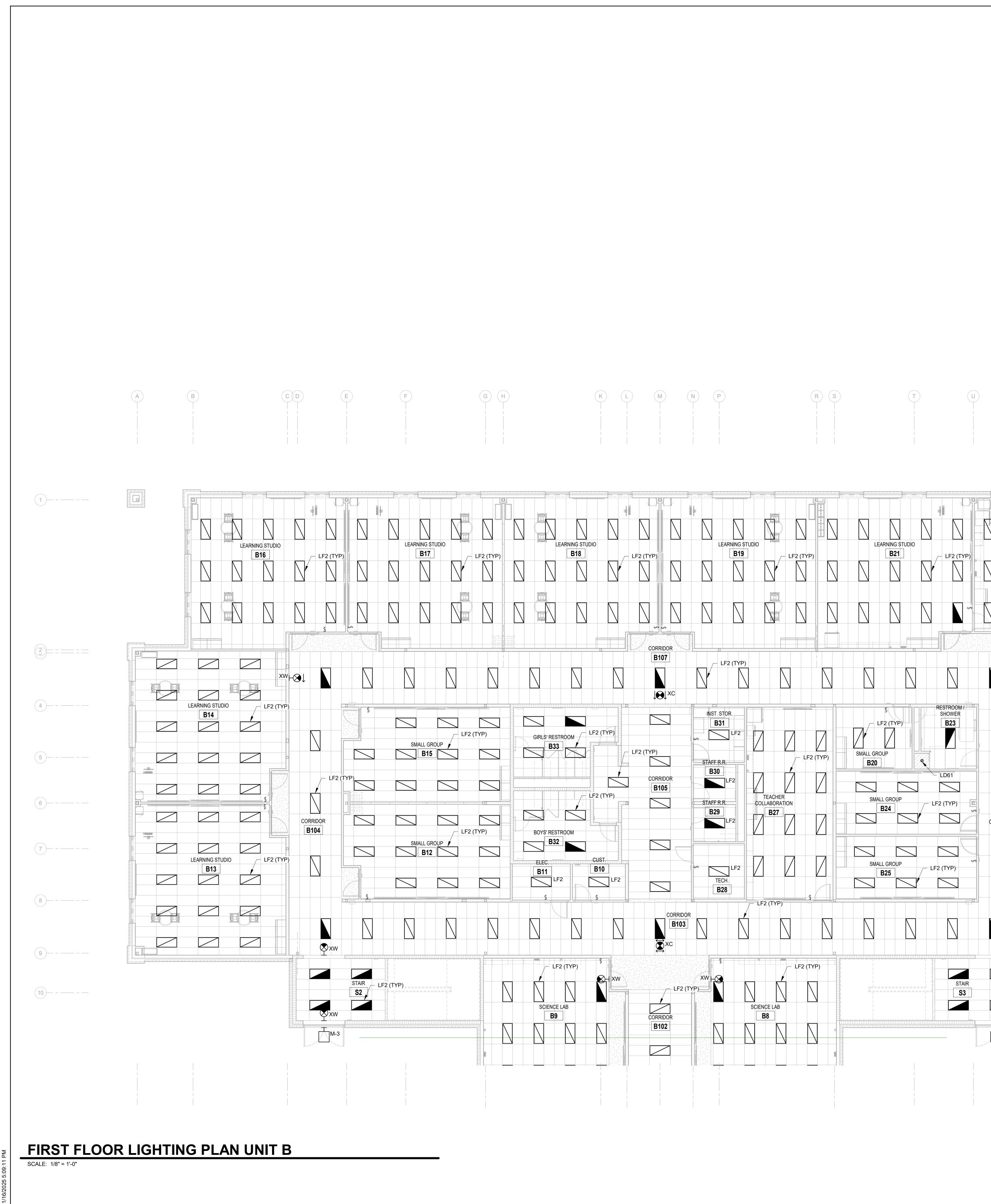




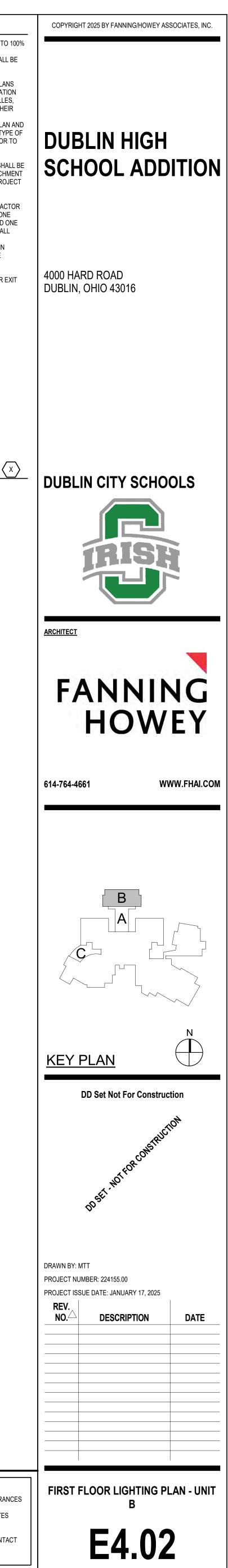


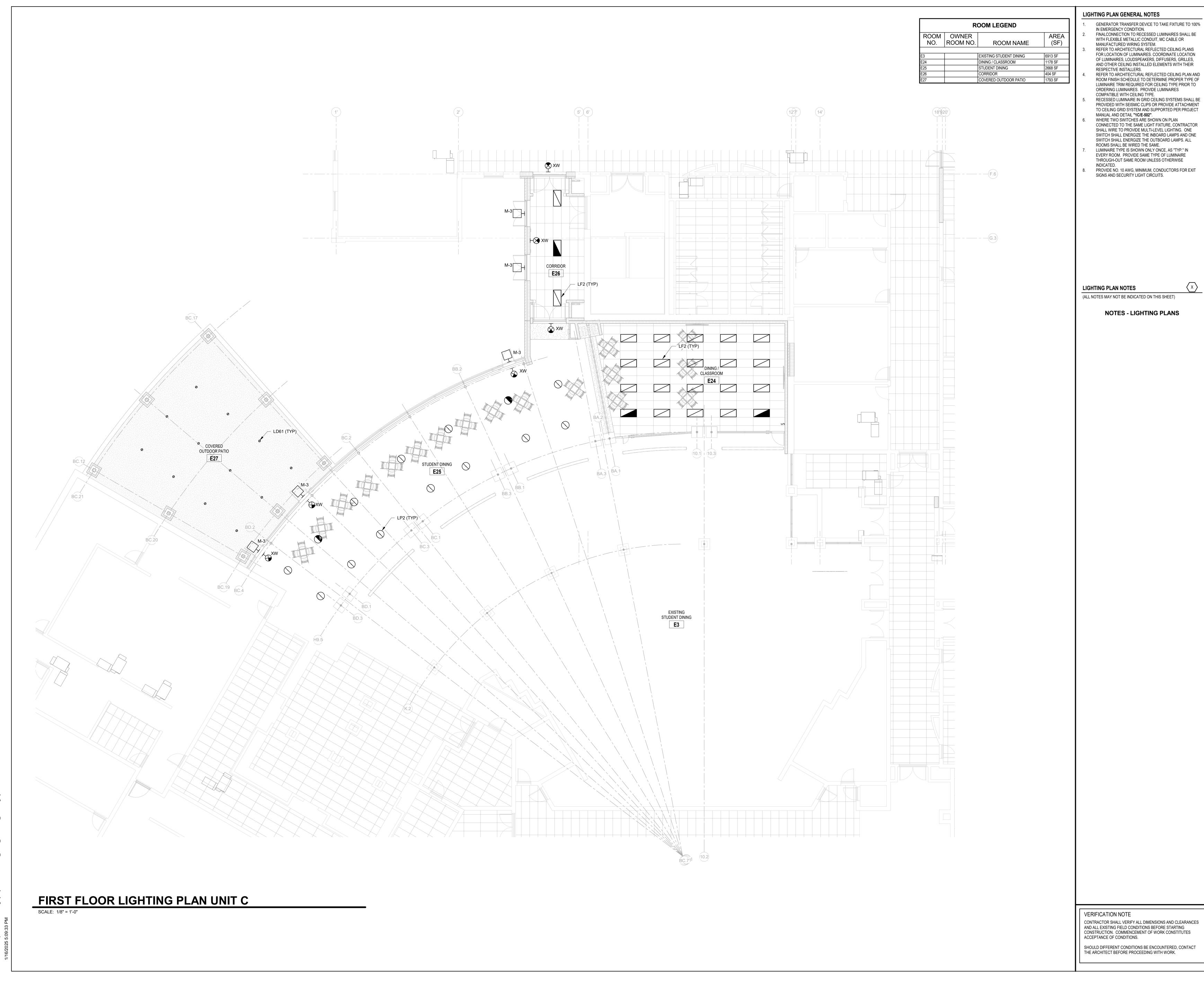
					LIGHTING PLAN GENERAL NOTES
	ROOM	OWNER	OOM LEGEND	AREA	 GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION. FINALCONNECTION TO RECESSED LUMINAIRES SHALL BE WITH ELEXIBLE METALLIC CONDUIT. MC CABLE OR
		ROOM NO.	ROOM NAME	(SF)	 WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION
	B2A B4A B4A		EX. SCIENCE LAB SCIENCE PREP EX. SCIENCE LAB SCIENCE PREP	173 SF 1289 SF 173 SF	OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS. 4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND
M-3	B6 B6A B7		SCIENCE LAB SCIENCE PREP SCIENCE LAB	1175 SF 232 SF 1175 SF	ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES
	B7A B8 B9		SCIENCE PREP SCIENCE LAB SCIENCE LAB	232 SF 1175 SF 1175 SF	 COMPATIBLE WITH CEILING TYPE. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT
	B101 B102 S1		CORRIDOR CORRIDOR STAIR	2088 SF 1466 SF 293 SF	 MANUAL AND DETAIL "1C/E-502". 6. WHERE TWO SWITCHES ARE SHOWN ON PLAN CONNECTED TO THE SAME LIGHT FIXTURE, CONTRACTOR SHALL WIRE TO PROVIDE MULTI-LEVEL LIGHTING. ONE
	S2 S3		STAIR STAIR	425 SF 420 SF	SWITCH SHALL ENERGIZE THE INBOARD LAMPS AND ONE SWITCH SHALL ENERGIZE THE OUTBOARD LAMPS. ALL ROOMS SHALL BE WIRED THE SAME.
					 LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.
					8. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.
					LIGHTING PLAN NOTES
					(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)
— — - — - — - — (B.3)					
E'					
F'					
F.6					
1 1					
					VERIFICATION NOTE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES
					AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
					SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.





					LIGHTING PLAN GENERAL NOTES		
					1. GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION.		
	ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)	 FINALCONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS 		
	B8 B9		SCIENCE LAB SCIENCE LAB	1175 SF 1175 SF 70 SF	FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR		
	B10 B11 B12		CUST. ELEC. SMALL GROUP	70 SF 77 SF 561 SF	 RESPECTIVE INSTALLERS. 4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF 		
	B13 B14 B15		LEARNING STUDIO LEARNING STUDIO SMALL GROUP	810 SF 812 SF 560 SF	LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE. 5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE		
	B16 B17 B18		LEARNING STUDIO LEARNING STUDIO LEARNING STUDIO	817 SF 837 SF 837 SF	5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "1C/E-502" .		
	B19 B20		LEARNING STUDIO SMALL GROUP	832 SF 172 SF	 WHERE TWO SWITCHES ARE SHOWN ON PLAN CONNECTED TO THE SAME LIGHT FIXTURE, CONTRACTOR SHALL WIRE TO PROVIDE MULTI-LEVEL LIGHTING. ONE 		
	B21 B22 B22A		LEARNING STUDIO SLC RESTROOM / SHOWER	830 SF 949 SF 140 SF	SWITCH SHALL ENERGIZE THE INBOARD LAMPS AND ONE SWITCH SHALL ENERGIZE THE OUTBOARD LAMPS. ALL ROOMS SHALL BE WIRED THE SAME.		
	B22B B22C B23		CALMING ROOM SENSORY ROOM RESTROOM / SHOWER	130 SF 73 SF 129 SF	 LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED. 		
	B24 B25 B26		SMALL GROUP SMALL GROUP SLC	323 SF 322 SF 966 SF	 PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS. 		
	B26A B26B		SENSORY ROOM CALMING ROOM	66 SF 88 SF			
	B27 B28 B29		TEACHER COLLABORATION TECH. STAFF R.R.	611 SF 103 SF 58 SF			
	B30 B31 B32		STAFF R.R. INST. STOR. BOYS' RESTROOM	58 SF 103 SF 232 SF			
	B33 B102 B103		GIRLS' RESTROOM CORRIDOR CORRIDOR	232 SF 1466 SF 1461 SF			
	B104 B105		CORRIDOR CORRIDOR	462 SF 568 SF			
	B106 B107 S2		CORRIDOR CORRIDOR STAIR	381 SF 1587 SF 425 SF			
	S3		STAIR	420 SF	LIGHTING PLAN NOTES		
					(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)		
SIC BZ2 LF2 (TYP) LF2 (TYP)							
					VERIFICATION NOTE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.		







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PLAN TYPE	MANUF
FN2	METALUX DAY-BRIT LITHONIA COLUMBI
FR2	METALUX DAY-BRIT LITHONIA COLUMBI
LD61	PORTFOL PHILIPS L SERIES GOTHAM PRESCOL
LF2	LITHONIA EATON M COLUMBI
LP2	LITHONIA METALUX HUBBELL
M-3	LUMARK SERIES GARDCO LSI CHAL HUBBELL
XC	SURE-LIT CHLORID LITHONIA DUAL-LIT OR A/E AI
XW	SURE-LIT CHLORID LITHONIA DUAL-LIT

				LU	JMINAIRE SCHED	ULE		
			LA	LAMPS				
FACTURER/CATALOG	MOUNTING	NO.	WATTS	TYPE	LUMENS	APPLIED VOLTAGE	DESCRIPTION	VA LOAD
X DMF SERIES TE 1F SERIES A AF10 SERIES BIA IC SERIES	SUSPENDED	2	32 W	T8	3100 lm	277 V	1 BY 4-FOOT INDUSTRIAL FIXTURE, 10 PERCENT UPLIGHT. PROVIDE WITH CHAIN HANGER ACCESSORY/CHAINS AS REQUIRED TO MOUNT AT 9'-0" A.F.F. (UNO).	58 VA
X WN SERIES TE OW SERIES A SB SERIES A AW SERIES	SURFACE	2	32 W	Т8	3100 lm	277 V	4-FOOT WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).	58 VA
LIO LD6A SERIES LIGHTOLIER C6L 1 EVO SERIES DLITE LC6SL SERIES	RECESSED	1	22 W	LED	1500 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, IP66 RATED FOR WET LOCATIONS, BAR HANGER ACCESSORY. FIXTURES IN SERVING AREA ARE TO BE EITHER 3000K OR 3500K AS NOTED, ALL OTHER INSTANCES TO BE 4000K	19 VA
A CPX SERIES METALUX CGT SERIES BIA CFP SERIES	RECESSED	1	36 W	LED	4000 lm	277 V	2 BY 4-FOOT, BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING.	36 VA
A JHBL SERIES X SS LED SERIES L PHB SERIES	PENDANT	1	188 W	LED	24000 lm	277 V	HIGH BAY HIGH OUTPUT PENDANT FIXTURE; 0-10V DIMMING, CLEAR ACRYLIC PRISMATIC REFRACTOR; WIDE BEAM SPREAD DISTRIBUTION; CLEAR FLAT POLYCARBONATE LENS; WIRE GUARD; AIRCRAFT CABLE MOUNTING; REPLACEABLE LED MODULE(S) AND DRIVER(S)	188 VA
IP IMPACT WEDGE 0 102 SERIES LLENGER SERIES L RTP SERIES	SURFACE	1	100 W	HM ED14	3100 lm	277 V	ROUND TOP WALL SCONCE, LISTED FOR WET LOCATIONS, BRONZE FINISH.	100 VA
TES CX SERIES DE 55 LINE SERIES A SIGNATURE SERIES TE SEMPRA SERIES \PPROVED EQUAL	SURFACE CEILING	1	3 W	RED LED	0 lm	277 V	CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
TES CX SERIES DE 55 LINE SERIES A SIGNATURE SERIES TE SEMPRA SERIES	SURFACE WALL	1	3 W	RED LED	0 lm	277 V	CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA

 LUMINAIRE SCHEDULE - GENERAL NOTES

 1.
 ALL LAMPS LISTED IN SCHEDULE ARE SYLVANNIA CATALOG NUMBERS, UNLESS OTHERWISE NOTED. EQUAL LAMPS BY MANUFACTURERS INDICATED IN SPECIFICATION SECTIONS 265600 ARE ACCEPTABLE.

 2.
 SEE SPECIFICATIONS FOR BALLAST REQUIREMENTS.

 3.
 FOR ALL DOWNLIGHTING FIXTURES, PROVIDE REQUIRED MOUNTING HARDWARE FOR MOUNTING IN LAY-IN TYPE CEILINGS.

 4.
 CONTRACTOR TO VERIFY TYPES AND QUANTITY OF LIGHT FIXTURES REQUIRING EMERGENCY TRANSFER DEVICES AND PROVIDE REQUIRED QUANTITY OF EMERGENCY TRANSFER DEVICES, LABOR, MATERIAL, ETC. IN THE PROJECT BID FOR FIELD INSTALLATION OF EMERGENCY TRANSFER DEVICES.

 5.
 LIGHT FIXTURE SUBMITTALS TO INCLUDE DATA SHEETS FOR ALL FIXTURE TYPES, INCLUDING ADDITIONAL DATA SHEETS FOR BALLAST COMBINATIONS REQUIRED TO MEET THE INSTALLATION REQUIREMENTS OF THE VARIOUS FIXTURE TYPES INDICATED IN THE REMARKS COLUMN OF THE FIXTURE SCHEDULES OR ON THE DRAWINGS. SUBMITTALS SHALL ALSO INDICATE COLOR FOR ANY CUSTOM COLOR LIGHT FIXTURES.



Project	Catalog #	Туре	
Prepared by	Notes	Date	



McGraw-Edison

Impact Elite LED

Wall Mount Luminaire

For use at new exit doors from proposed additions.

🖌 Interactive Menu

- Ordering Information page 2
- Product Specifications page 2
- Energy and Performance Data page 3
- Control Options page 4

Product Certifications







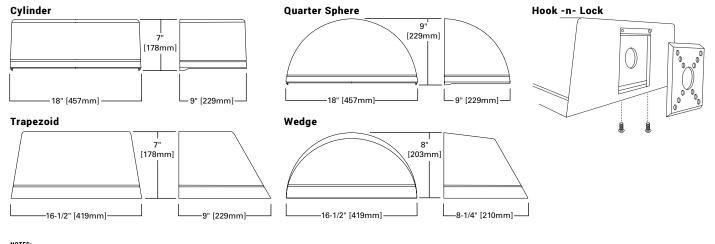
Quick Facts

- 15 Optical Distributions
- Lumen packages range from 2,459 to 11,480 (20W - 95W)
- Efficacy up to 149 lumens per watt

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- Enlighted

Dimensional Details



NOTES: 1. IDA Certified for 3000K CCT and warmer only.



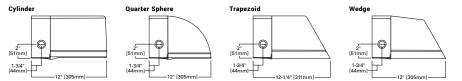
Impact Elite LED

Ordering Information

SAMPLE NUMBER: ISC-SA1F-740-U-T3-BZ

Product Family ¹		Light I Configuration	Engine Drive Current	Color Temperature	Voltage	Distribution	Finish
ISC=Impact Elite LED Small Cylinder ISC=Impact Elite LED Small Quarter Sphere IST=Impact Elite LED Small Trapezoid ISW=Impact Elite LED Small Cylinder Buy American Act Compliant ²³ TAA-ISC=Impact Elite LED Small Cylinder Trade Agreements Act Compliant ²³ TAA-ISC=Impact Elite LED Small Quarter Sphere Buy American Act Compliant ²³ TAA-ISS=Impact Elite LED Small Quarter Sphere Trade Agreements Act Compliant ²³ BAA-ISS=Impact Elite LED Small Quarter Sphere Trade Agreements Act Compliant ²³ TAA-ISS=Impact Elite LED Small Trapezoid Trade Agreements Act Compliant ²³ BAA-IST=Impact Elite LED Small Trapezoid Trade Agreements Act Compliant ²³ BAA-IST=Impact Elite LED Small Wedge Buy American Act Compliant ²³ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²³ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²³ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²³ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²³ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²³ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²⁴ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²⁴ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²⁴ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²⁴ TAA-ISW=Impact Elite LED Small Wedge Trade Agreements Act Compliant ²⁵		SA1=1 Square (16 LED) PA1=1 Panel (24 LED) ²⁶	A=350mA B=450mA C=600mA D=800mA E=1000mA F=1200mA ²	722=70CRI, 2200K 727=70CRI, 2700K 735=70CRI, 3000K 740=70CRI, 3000K 750=70CRI, 5000K 760=70CRI, 5000K 827=80CRI, 2700K 830=80CRI, 3000K 830=80CRI, 3000K 590nm ^{3,4}	U=120-277V 1=120V 2=208V 3=240V 4=277V 8=480V ⁵ 9=347V	SA1 Optics T2=Type II T3=Type IIV Forward Throw T4FT=Type IV Vide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SL4=Type IV w/Spill Light Eliminator Left SLF=90° Spill Light Eliminator Right RW=Rectangular Wide Type I PA1 Optics SWO=Type V Square Wide T2R=Type II T2U=Type II Urban T3=Type III T4W=Type IV Wide	AP=Grey BZ=Bronze BM=Black DP=Dark Platinum GM=Graphite Metallic WH=White RALXX=Custom Color ²⁷
Options (Add as Suffix)	Controls a	and Systems Optior	ns (Add as Suffix)			Accessories (Order Separately) ²⁴	
X=Driver Surge Protection (6kV) Only ¹⁷ 20K-Series 20kV UL 1449 Surge Protective Device CBP=Battery Pack with Back Box, Cold Weather Rated ^{14, 16} CBP-CEC=Battery Pack with Back Box, Cold Weather Rated, CEC compliant ¹⁴ HSS=Factory Installed House Side Shield ¹⁶ ULG=Uplight Glow ^{4, 7, 25} LCF=Light Square Trim Plate Painted to Match Housing ²⁸ TR=Tamper Resistant Hardware CC=Coastal Construction ²⁷ HA=50°C High Ambient ⁸ AHD245=After Hours Dim, 6 Hours, 50% ⁹ AHD245=After Hours Dim, 7 Hours, 50% ⁹ AHD245=After Hours Dim, 7 Hours, 50% ⁹	PR7=NEMA 7- ^b IN Twistlock Ph SPB1=Dimming Occupancy Se SPB2=Dimming Occupancy Se SPB4=Dimming Occupancy Se Ms/DIM-LXX=Motion Sensor f LWR-LW=Enlighted Wireless Sc LWR-LN=Enlighted Wireless Sc WLS2XX=WaveLinx LITE, SR DI Programmable, 7' - 15' Mountir WLS4XX=WaveLinx LITE, SR DI Programmable, 7' - 15' Mountir WPS4XX=WaveLinx PRO, SR DI Programmable, 7' - 15' Mountir WPS4XX=WaveLinx PRO, SR DI	BPC=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle ^{2,6,7} SPB1=Dimming Occupancy Sensor with Bluetooth Interface, 8' Mounting ^{12,22} SPB2=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting ^{12,22} SPB4-Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting ^{12,22} SPS4-Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting ^{12,22} SPS4-Dimming Occupancy Sensor with Bluetooth Interface, 12'-40' Mounting ^{12,22} LWR-LW=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height ^{6,12,13} LWR-LW=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height ^{6,12,13} LWR-LW=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height ^{6,12,13} LWS-LW=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting ^{118,20} WLS4XX=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{7,18,20} WPS2XX=WaveLinx PK, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{7,18,20} WPS4XX=WaveLinx PKO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{7,18,20}			MA1254-XX= MA1255-XX= MA1256-XX= MA1257-XX= FSIR-100=Wi	V Circuit Module Replacement Thruway Back Box - Impact Elite Trapez Thruway Back Box - Impact Elite Cylinde Thruway Back Box - Impact Elite Quarte Thruway Back Box - Impact Elite Wedge reless Configuration Tool for Occupanc A =WaveLinx Outdoor Control Module (7	er r Sphere y Sensor
NOTES: 1. DesignLight Consortium [®] Qualified. Refer to www.designlights.org. Qualified Products List under Family Models for details. 2. Not available with ULC option. 3. Choose Drive Current 74' for Amber 590nm, which is provided at 500mA only. 4. Narrow-band 590nm +/- Snm for wildlife and observatory use. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 5. 480V not to be used with ungrounded or impedance grounded systems. 6. Not available with ISS or ISW. 7. Cannot be used in conjunction with other control options. 8. Suitable for 50°C provided no options other than motion sensor are included and driver output set to 1000mA or less. 9. Requires the use of photocontrol. Not available with 350mA drive current. See After Hours Dim supplemental guide for additional information. 10. Replace LX with L08 (-8' mounting), L20 (8'-20' mounting) or L40W (21'-40' mounting.) 11. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 12. Includes stergaral photocell. 13. Enlighted wireless sensors are factory installed and require network components in appropriate quantities. 14. Battery pack operating temperature of -20C to +40C. Operates downlight for 90-minutes. 15. Must specify 120V or 277V.				s additional surge module x X with sensor color (WH is PR7. I/p over supply if needed. I construction finish salt sp verice with mobile applicat oduct configurations with I edgreement Act of 1979 nents shipped separately n or TAA requirements, Acc Consult factory for further ailable in 3000K, 4000K or	, BZ, or BK). iateway required to asteway not require iray tested to over 5 ion required to chan hese designated pn (TAA), respectively, hay be separately and essories sold sepa- information. 5000K CCT. controls, including S olor. Custom color einformation.	k trim plate is used when HSS is selected. enable field-configurability: Order WAC-PoE and W d for WaveLinx Lite Commercial (LC) applications ,000-hours per ASTM B117, with a scribe rating of gre system defaults. See controls section for deta- fiexes are built to be complaint with the Buy Amer Please refer to <u>DOMESTIC PREFERENCES</u> websit- nalyzed under domestic preference requirements. rately will be separately analyzed under domestic SPB, MS/DIM, LWR or WaveLinx. matching available upon request. Consult your lig	9 per ASTM D1654. ills. ican Act of 1933 (BAA) e for more information preference require-

Thruway Back Box



Product Specifications

Construction

- Heavy-wall, die-cast aluminum housing and removable hinged door frame
- Optional tamper-resistant fasteners offer vandal resistant access
- IK10 impact rated

Optics

- High-efficiency injection-molded AccuLED optics technology
- 15 optical distributions
- IDA Certified (3000K CCT and warmer only)

Electrical

- Standard with 0-10V dimming
- Standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration.

Mounting

 Utilizes "Hook-N-Lock" mounting mechanism, securing to a gasketed and zinc plated mounting attachment Two black oxide coated Allen set screws concealed but accessible from below

Finish

- Super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- RAL and custom color matches available
- Coastal Construction (CC) option available

Warranty

Five year limited warranty, consult website for details. <u>www.cooperlighting.com/legal</u>

McGraw-Edison

Impact Elite LED

Energy and Performance Data

Yiew Impact Elite IES files

1 Light Square	(SA)		Cylinde	er (ISC) and Q	uarter Sphere	(ISS)			Tra	pezoid (IST) a	and Wedge (I	SW)	
Drive Current (r	nA)	350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120 - 277V	20.1	25.4	34.2	45.2	58.2	66.0	20.1	25.4	34.2	45.2	58.2	66.0
	120	0.17	0.22	0.29	0.38	0.48	0.56	0.17	0.22	0.29	0.38	0.48	0.56
Current (A)	277V	0.09	0.10	0.13	0.17	0.21	0.25	0.09	0.10	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	23.3	28.7	36.6	49.5	60.7	70.1	23.3	28.7	36.6	49.5	60.7	70.1
	347V	0.07	0.08	0.11	0.15	0.18	0.21	0.07	0.08	0.11	0.15	0.18	0.21
Current (A)	480V	0.05	0.06	0.08	0.11	0.13	0.16	0.05	0.06	0.08	0.11	0.13	0.16
Optics (4000K,	70 CRI)			1									
	Lumens	2,802	3,500	4,618	5,778	7,231	7,895	2,772	3,475	4,576	5,733	7,175	7,834
T2	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	139	138	135	128	124	120	138	137	134	127	123	119
	Lumens	2,778	3,470	4,578	5,729	7,169	7,827	2,731	3,424	4,508	5,648	7,069	7,718
тз	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	138	137	134	127	123	119	136	135	132	125	121	117
	Lumens	2,751	3,436	4,534	5,673	7,099	7,751	2,762	3,462	4,559	5,712	7,149	7,805
T4FT	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	137	135	133	126	122	117	137	136	133	126	123	118
	Lumens	2,780	3,473	4,582	5,733	7,174	7,833	2,739	3,434	4,522	5,665	7,089	7,740
T4W	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	138	137	134	127	123	119	136	135	132	125	122	117
	Lumens	2,763	3,451	4,554	5,698	7,130	7,785	2,730	3,422	4,507	5,646	7,066	7,715
SL2	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
	Lumens Per Watt	137	136	133	126	123	118	136	135	132	125	121	117
	Lumens	2,745	3,429	4,524	5,660	7,084	7,734	2,709	3,396	4,472	5,603	7,012	7,655
SL3	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	137	135	132	125	122	117	135	134	131	124	120	116
	Lumens	2,680	3,348	4,417	5,526	6,916	7,551	2,666	3,342	4,401	5,514	6,900	7,534
SL4	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	133	132	129	122	119	114	133	132	129	122	119	114
	Lumens	2,447	3,057	4,033	5,046	6,315	6,895	2,459	3,083	4,059	5,086	6,365	6,949
SLL	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	122	120	118	112	109	104	122	121	119	113	109	105
	Lumens	2,883	3,601	4,751	5,945	7,440	8,123	2,818	3,533	4,652	5,828	7,294	7,964
RW	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1
	Lumens Per Watt	143	142	139	132	128	123	140	139	136	129	125	121



McGraw-Edison

Impact Elite LED

1 Light Panel (P	PA)		Cylinde	r (ISC) and Q	uarter Sphere	(ISS)			Tra	pezoid (IST) a	and Wedge (I	SW)	
Drive Current (n	nA)	350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120 - 277V	28.9	36.4	48.9	63.0	82.4	94.4	28.9	36.4	48.9	63.0	82.4	94.4
Oursent (A)	120V	0.24	0.31	0.41	0.53	0.69	0.79	0.24	0.31	0.41	0.53	0.69	0.79
Current (A)	277V	0.11	0.14	0.18	0.23	0.30	0.34	0.11	0.14	0.18	0.23	0.30	0.34
Power (Watts)	347V or 480V	30.5	37.7	49.0	63.9	83.2	95.0	30.5	37.7	49.0	63.9	83.2	95.0
Oursent (A)	347V OR 480V	0.09	0.11	0.14	0.19	0.24	0.28	0.09	0.11	0.14	0.19	0.24	0.28
Current (A)	480V	0.07	0.08	0.11	0.14	0.18	0.20	0.07	0.08	0.11	0.14	0.18	0.20
Optics (4000K,	70 CRI)												
	Lumens	4,296	5,369	7,010	8,733	10,721	11,750	4,154	5,211	6,738	8,386	10,329	11,338
T2R	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2
	Lumens Per Watt	149	147	143	139	130	124	144	143	138	133	125	120
	Lumens	4,241	5,300	6,920	8,621	10,584	11,600	4,123	5,172	6,688	8,323	10,252	11,253
T2U	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
	Lumens Per Watt	147	146	142	137	128	123	143	142	137	132	124	119
	Lumens	4,193	5,240	6,842	8,524	10,464	11,468	4,079	5,117	6,616	8,235	10,143	11,133
тз	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens Per Watt	145	144	140	135	127	121	141	141	135	131	123	118
	Lumens	4,165	5,205	6,796	8,467	10,394	11,392	4,083	5,122	6,623	8,243	10,152	11,144
T4W	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens Per Watt	144	143	139	134	126	121	141	141	135	131	123	118
	Lumens	4,255	5,318	6,943	8,650	10,619	11,638	4,206	5,276	6,822	8,491	10,458	11,480
5WQ	BUG Rating	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G3
	Lumens per Watt	147	146	142	137	129	123	146	145	140	135	127	122

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
Up to 1A	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
1.2A	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

* Supported by IES TM-21 standards ** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.



Control Options

0-10V

This fixture is offered standard with 0-10V dimming driver(s).

Photocontrol (BPC and PR7)

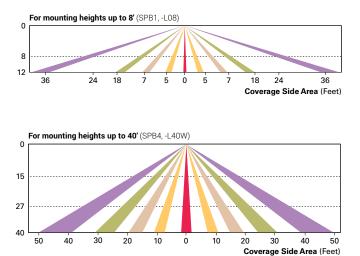
Optional button-type photocontrol provides a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels.

After Hours Dim (AHD)

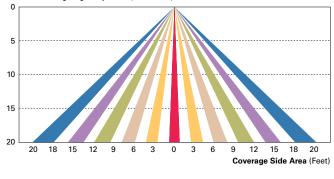
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX)

These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

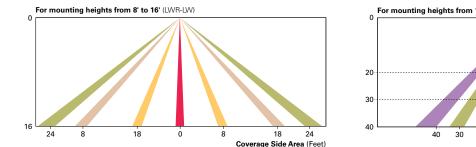


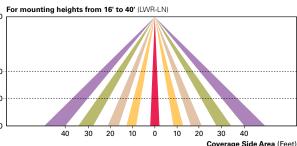
For mounting heights up to 20' (SPB2, -L20)



Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)

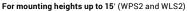
Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.





WaveLinx Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx Pro (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocortor lenabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.



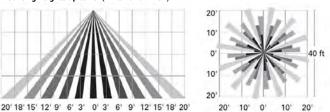
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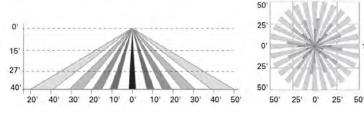
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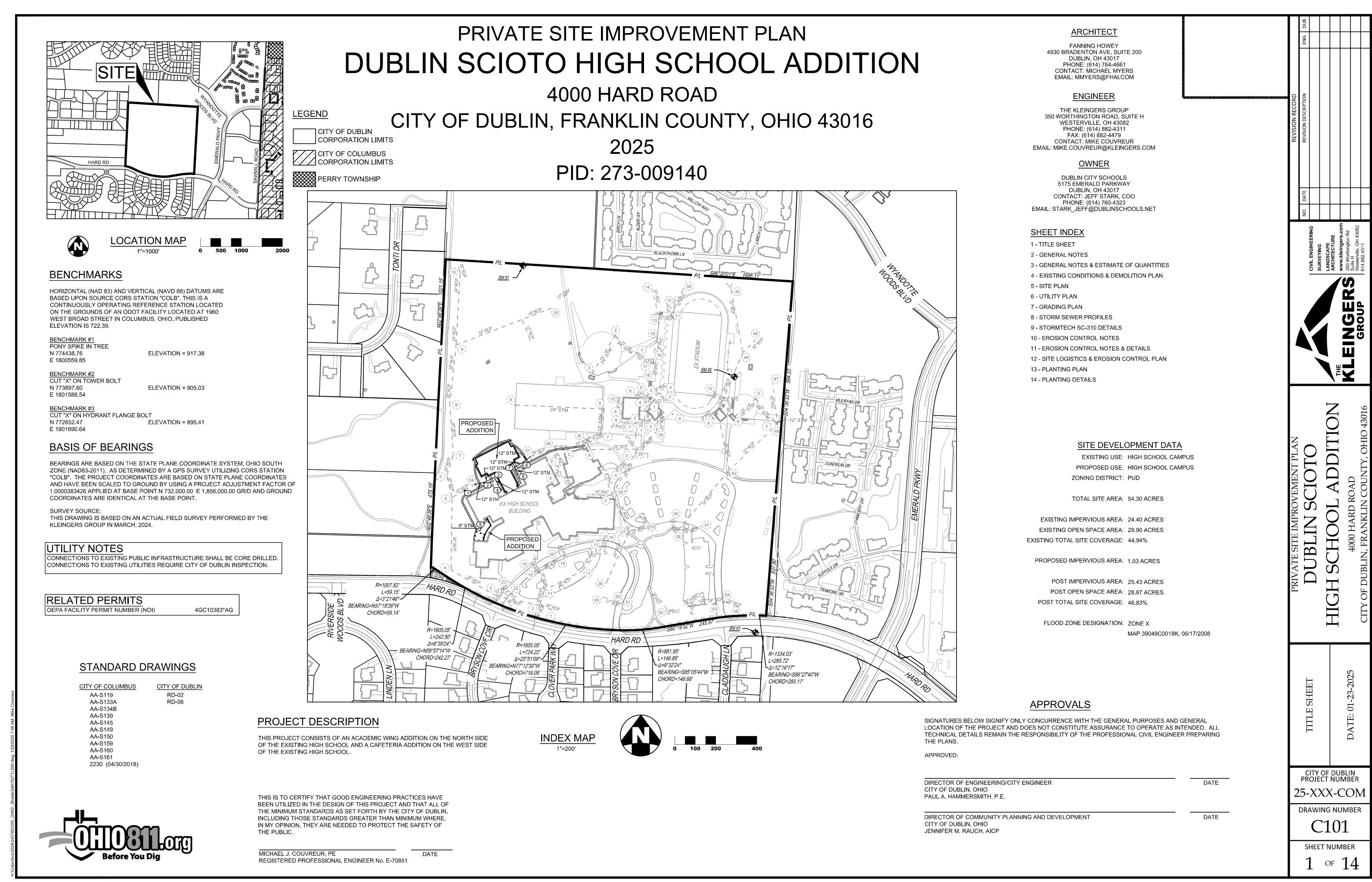


For mounting heights up to 40' (WPS4 and WLS4)





Cooper Lighting Solutions 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.cooperlighting.com © 2024 Cooper Lighting Solutions All Rights Reserved. Specifications and dimensions subject to change without notice. 100





TITLE SHEET

DRAWN BY: MJC					
PROJECT NUMBER: 24155.00					
PROJECT	ISSUE DATE: JANUARY 23,	2025			
REV. NO.	DESCRIPTION	DATE			

PROJECT MANAGER: MEC

DESIGN DEVELOPMENT

614-764-4661



WWW.FHAI.COM

DUBLIN CITY SCHOOLS

4000 HARD ROAD

DUBLIN, OHIO 43016

DUBLIN SCIOTO HIGH SCHOOL ADDITION

	IVATE DEVELOPMENT GENERAL NOTES SUED NOVEMBER 14, 2024)	PRIVATE DEVELO	OPMEN
1.	THE REGULATIONS AND CONSTRUCTION STANDARDS OF THE CITY OF DUBLIN, TOGETHER WITH CITY OF COLUMBUS AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITIONS, AND ANY SUPPLEMENTS THERETO (HEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS), SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS OF THESE PLANS UNLESS OTHERWISE NOTED. IF A CONFLICT BETWEEN SPECIFICATIONS IS FOUND, THE MORE STRICT SPECIFICATION WILL APPLY, AS DECIDED BY THE CITY ENGINEER.	22. UTILITY TRENCI (PAVEMENT, CL GARAGES, ETC SPECIFICATION STANDARD SPE 23. ALL STORM SEV	JRBS, SIE .) SHALL IS, OR LC ECIFICAT
2.	STANDARD DRAWINGS AND DESIGN STANDARDS SHALL FIRST FOLLOW REGULATIONS SET FORTH BY CITY OF DUBLIN, FOLLOWED BY CITY OF COLUMBUS, FOLLOWED BY ODOT, FOLLOWED BY DESIGN ENGINEER "PER PLAN" NOTE. ITEM NUMBERS LISTED IN THESE PLANS SHALL REFER TO CITY OF COLUMBUS ITEM NUMBERS.	24. STORM SEWER CONSTRUCTED	Ý FROM O VERTICA S, SANIT
3.	ANY MODIFICATIONS TO THE APPROVED PLANS MUST BE SUBMITTED BY THE ENGINEER OF RECORD TO THE CITY ENGINEER FOR REVIEW AND APPROVAL. MODIFICATIONS SHALL FOLLOW THE PLAN REVISION PROCESS AS SET FORTH BY THE CITY ENGINEER.	25. ALL MANHOLE I STANDARD DRA	AWING.
4.	THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE OF CONSTRUCTION. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR/DEVELOPER TO PERFORM WORK ACCORDING TO THE APPROVED PLANS.	26. ALL TRENCHES APPROVED PLA THESE AREAS S BARRICADES D TRENCHING OP	ANS OR S SHALL BE URING N
	THE CONTRACTOR AND ANY SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE PRECAUTIONS ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER OSHA 29 CFR 1910.146.	27. ANY UTILITY MU SPECIFICALLY / PERMITTED. SH MORTAR BACKF BACKFILL. PERI OF ENGINEERIN	APPROVE IOULD OF FILL, TYP MITS TO (
	THE DESIGN ENGINEER, DEVELOPER, OR CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES, LICENSES, AND INSPECTION REQUIRED FOR THE PROPER EXECUTION OF THE IMPROVEMENTS SHOWN ON THE APPROVED PLANS, INCLUDING BUT NOT LIMITED TO OHIO EPA PERMITS TO INSTALL (PTI) AND NOTICES OF INTENT (NOI), BUILDING PERMITS, ETC.	28. PAVEMENT SHA OR AS REQUIRE ACCORDING TO STANDARD DRA PATHS, PARKIN AND CITY OF D	ED BY TH D CITY OF AWINGS. IG LOT PA
	PRIOR TO CONSTRUCTION, AND AFTER PLANS AND EASEMENTS HAVE BEEN APPROVED, THE CONTRACTOR SHALL CONTACT THE CITY OF DUBLIN DIVISION OF ENGINEERING AT 614-410-4740 TO SET UP A PRECONSTRUCTION MEETING. THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION SCHEDULE AND CONTACT INFORMATION FOR ALL CONTRACTORS AND SUBCONTRACTORS. ONCE THE PRECONSTRUCTION MEETING HAS BEEN HELD, THE CONTRACTOR SHALL CONTACT THE DIVISION OF ENGINEERING IN WRITING 14 CALENDAR DAYS PRIOR TO THE	29. THE CONTRACT RIGHT-OF-WAY ACCEPTANCE (30. THE CONTRACT 304, AGGREGA	TOR SHAI AND PUE DF THE W TOR IS NO
3.	ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. APPROVED PRECAST CONCRETE PRODUCTS WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT INSPECTION HAS BEEN CONDUCTED BY THE CITY OF COLUMBUS. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE APPROVED FOR INSTALLATION.	31. PARK AREAS SH IMPROVED IMPROVED GERMINATI APPLICATIO	HALL BE I KENTUC PERENN ION RATE
9.	THE CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED PLANS AND A LIST OF PROPOSED PRECAST CONCRETE PRODUCT MANUFACTURERS TO THE CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION BEFORE COMMENCING CONSTRUCTION.		D RECRE/
	SEND INFORMATION TO THE FOLLOWING ADDRESS: CONSTRUCTION INSPECTION DIVISION CITY OF COLUMBUS 1800 EAST 17TH AVENUE	32. THE CONTRACT (800-362-2764 O A REGISTERED WORKING DAYS	- FOR SHAI PR 8-1-1), UNDERG
	COLUMBUS, OHIO 43219 SEND COPY OF TRANSMITTAL LETTER TO THE FOLLOWING ADDRESS: DIVISION OF ENGINEERING-UTILITIES CITY OF DUBLIN 6555 SHIER RINGS ROAD DUBLIN, OHIO 43016	33. THE IDENTITY A AREA HAVE BEI OWNER OF THE FOR THE ACCU IS CAUSED TO U OF THE SAME A	EN SHOW E UTILITY RACY OF UNDERGF
0.	WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION, AND BEFORE REQUESTING OCCUPANCY, AN AS-BUILT SURVEY SHALL BE PROVIDED TO THE DIVISION OF BUILDING STANDARDS UNDER THE APPROVED SITE PERMIT, THAT DOCUMENTS AS-BUILT ELEVATIONS, DIMENSIONS, SLOPES, AND ALIGNMENTS OF ALL ELEMENTS OF THE PROJECT. THE AS-BUILT SURVEY SHALL BE PREPARED, SIGNED, AND SUBMITTED BY THE PROFESSIONAL ENGINEER WHO SEALED THE CONSTRUCTION	APPURTENANC RESPONSIBILIT 35. WHEN UNKNOV	ES, WHE Y OF THE VN OR IN(
1.	PLANS. SEE DIVISION OF ENGINEERING ADMINISTRATIVE POLICY 08-030 FOR COMPLETE REQUIREMENTS. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS,	DURING CONST RECORD, OWNE 36. PUBLIC STREET	ER, AND ⁻
	REFERENCE POINTS, STAKES, AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS OF SURVEY MARKERS DISTURBED DURING CONSTRUCTION, AT THE CONTRACTOR'S EXPENSE. RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AND APPROVED BY THE CITY ENGINEER.	ENGINEERING A	<u>OL</u>
2.	IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY THE EXTENT OF WORK TO BE PERFORMED, TO IDENTIFY THE NECESSARY CONSTRUCTION MEANS AND METHODS TO ACCOMPLISH ALL WORK ITEMS AS PART OF THE APPROVED PLANS, AND TO NOTIFY THE ENGINEER OF RECORD AND CITY ENGINEER OF ANY IDENTIFIED CONFLICTS, ERRORS, OR OMISSIONS FROM THE APPROVED PLANS.	 37. TRAFFIC CONTI FURNISHED, ER OHIO MANUAL (38. ALL TRAFFIC LA 	RECTED, I OF UNIFC ANES OF
3.	THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO THE CONSTRUCTION LIMITS AS SHOWN ON THE APPROVED PLANS, AND AREAS DEFINED AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS, UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER. ALL WORK PERFORMED IN THE RIGHT-OF-WAY OR CONNECTING TO ANY PUBLIC INFRASTRUCTURE SHALL BE COORDINATED WITH AND INSPECTED BY THE CITY OF DUBLIN INSPECTOR.	9:00 AM AND FR HOURS, THE CO PLANS. UNIFOR OMUTCD, AND S EFFECT. POLICI	ONTRACT RMED, OF SHALL BE
4.	THE CONTRACTOR SHALL REPAIR OR REPLACE ANY PROPERTY, UTILITY, STRUCTURE, SIGNS, LANDSCAPING, OR OTHER INFRASTRUCTURE AT THEIR EXPENSE THAT HAS BEEN DAMAGED DURING CONSTRUCTION TO AN EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO THE DAMAGE. ALL WORK IS TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY	 39. IF THE CITY ENG PROVISIONS FO POLICE OFFICE 40. STEADY-BURNING 	DR TRAFF RS AT TH NG, TYPE
5.	ENGINEER. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION PER ITEM 659. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADE AND CROSS SECTIONS THAT EXISTED BEFORE CONSTRUCTION UNLESS OTHERWISE NOTED ON THE APPROVED PLANS.	DRUMS, AND SI 41. ACCESS FROM BUSINESSES SI SERVICE, AND I PLAN DETAILING	PUBLIC F HALL BE I EMERGEI
16.	THE CONTRACTOR SHALL ABIDE BY CONSTRUCTION HOURS AND REQUIREMENTS AS DEFINED IN SECTION 150.160 OF THE CITY CODE.	SIDEWALKS, AN CONTROL DETA BY THE CONTRA	ND SHARE AILS AS S ACTOR M
7.	NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.	PRIOR TO THE S 42. TRAFFIC CONTI ANCHOR BASE	ROL AND
18.	TRACKING OR SPILLING MUD, DIRT, OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS, OR SHARED-USE PATHS IS PROHIBITED ACCORDING TO SECTION 97.38 OF THE CITY CODE. ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE CITY. IF THE CONTRACTOR FAILS TO REMOVE SAID MUD, DIRT, DEBRIS, OR SPILLAGE, THE CITY RESERVES THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN AFFECTED AREAS, THE COST OF WHICH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.	43. STREET SIGNS WHITE DISPLAY CONFORM WITH TC-41.20.	N SPECIFI SHALL M (ED OVEF
19.	DISPOSAL OF EXCESS EXCAVATION WITHIN SPECIAL FLOOD HAZARD AREAS (100-YEAR FLOODPLAIN) IS NOT PERMITTED.	EROSION AND SI	EDIMEN
	ALL FIELD TILES BROKEN DURING EXCAVATION SHALL BE REPLACED OR REPAIRED AND CONNECTED TO THE PUBLIC STORM SEWER SYSTEM AS DIRECTED BY THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL TREES WITHIN THE PROJECT LIMITS NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE	44. THE CONTRACT OHIO EPA GENE ACTIVITY. A CO PERMIT, AND TH WHEN A SWP3	eral pef Py of th He ohio
- 1 -	PRESERVED, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED PLANS, UNLESS APPROVED BY THE CITY ENGINEER. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY FENCING PLACED A MINIMUM OF 15 FEET FROM THE TREE TRUNK. TREES 6 INCHES OR GREATER AT	REVIEWED AND 45. ALL LAND DIST) APPRO\ URBING A
	DBH (DIAMETER BREAST HEIGHT) MUST BE PROTECTED WITH FENCING PLACED AT THE CRITICAL ROOT ZONE OR 15 FEET, WHICHEVER IS GREATER. TREE TRIMMING WITHIN THE RIGHT-OF-WAY IS TO BE COMPLETED BY A CERTIFIED ARBORIST.	THE CITY OF DU 46. THE CONTRACT RUNOFF LEAVE	TOR SHAI

/ELOPMENT GENERAL NOTES

NCH BACKFILL WITHIN A 1:1 INFLUENCE OF PUBLIC OR PRIVATE INFRASTRUCTURE , CURBS, SIDEWALKS, SHARED-USE PATHS, ETC.) OR EXISTING STRUCTURES (HOUSES, TC.) SHALL BE COMPACTED GRANULAR BACKFILL PER ITEM 912 OF THE STANDARD IONŚ, OR LOW STRENGTH MORTAR BACKFILL, TYPE II, PER ITEM 613. ITEM 911 OF THE SPECIFICATIONS SHALL BE USED ELSEWHERE.

SEWERS, SANITARY SEWERS AND WATER LINES SHALL BE LOCATED AT LEAST 10 FEET ALLY FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE. ALL UTILITIES SHALL HAVE A MINIMUM OF VERTICAL CLEARANCE.

ERS, SANITARY SEWERS, AND WATER LINES, LOCATED IN FILL AREAS SHALL NOT BE TED UNTIL AFTER COMPACTED FILL HAS BEEN INSTALLED TO PROPOSED GRADE. DLE LIDS IN PAVEMENT SHALL HAVE A CONCRETE COLLAR PER CITY OF DUBLIN

HES WITHIN PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE PLANS OR SECURELY PLATED DURING NON-WORKING HOURS. TRENCHES OUTSIDE AS SHALL BE BACKFILLED OR PROTECTED BY APPROVED TEMPORARY FENCING OR DURING NON-WORKING HOURS. CLEAN UP SHALL IMMEDIATELY FOLLOW THE OPERATION.

MUST BE DIRECTIONALLY BORED ACROSS STREET INSTEAD OF OPEN CUT, UNLESS LY APPROVED BY THE CITY ENGINEER. USE OF PNEUMATIC AIR RAM DEVICES IS NOT . SHOULD OPEN CUTTING OF EXISTING PAVEMENT BE PERMITTED, LOW STRENGTH CKFILL, TYPE II PER ITEM 613 SHALL BE USED IN PLACE OF COMPACTED GRANULAR ERMITS TO CONSTRUCT IN THE RIGHT-OF-WAY MUST BE OBTAINED FROM THE DIVISION ERING BEFORE COMMENCING CONSTRUCTION.

SHALL BE CUT IN NEAT, STRAIGHT LINES THE FULL DEPTH OF THE EXISTING PAVEMENT, UIRED BY THE CITY ENGINEER. PAVEMENT REPLACEMENT SHALL BE CONDUCTED TO CITY OF COLUMBUS STANDARD DRAWING 1441, AND APPLICABLE CITY OF DUBLIN DRAWINGS. THE REPLACEMENT OF DRIVEWAYS, ADA RAMPS, SIDEWALKS, SHARED-USE KING LOT PAVEMENT, ETC. SHALL BE INSTALLED ACCORDING TO THE APPROVED PLANS F DUBLIN STANDARD DRAWINGS.

RACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF TRENCHES WITHIN THE VAY AND PUBLIC EASEMENTS FOR A PERIOD OF ONE YEAR FROM THE FINAL CE OF THE WORK AND SHALL MAKE ANY NECESSARY REPAIRS AT NO COST TO THE CITY. ACTOR IS NOT PERMITTED TO USE ANY RECLAIMED OR RECYCLED MATERIALS IN ITEM EGATE BASE UNLESS APPROVED BY THE CITY ENGINEER.

SHALL BE FINE-GRADED AND SEEDED WITH THE FOLLOWING MIXTURE: ED KENTUCKY BLUEGRASS: 40% OF WEIGHT (2 VARIETIES IN EQUAL PARTS) D PERENNIAL RYE: 60% OF WEIGHT (2 VARIETIES IN EQUAL PARTS)

ATION RATE: 85% ATION RATE: 7 POUNDS PER 1000 SQUARE FEET OR AS DIRECTED BY THE DIVISION OF AND RECREATION

RACTOR SHALL GIVE NOTICE TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE 4 OR 8-1-1), AND TO OWNERS OF UNDERGROUND UTILITIES THAT ARE NOT MEMBERS OF RED UNDERGROUND PROTECTION SERVICE. NOTICE SHALL BE GIVEN AT LEAST 2 AYS BEFORE THE START OF CONSTRUCTION.

TY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION BEEN SHOWN ON THE APPROVED PLANS AS ACCURATELY AS PROVIDED BY THE THE UTILITY. THE CITY OF DUBLIN AND CITY ENGINEER ASSUME NO RESPONSIBILITY CURACY OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED PLANS. IF DAMAGE O UNDERGROUND UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR E AND FOR ANY RESULTING CONTINGENT DAMAGE.

SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND ANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED PLANS SHALL BE THE BILITY OF THE CONTRACTOR.

NOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED NSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF WNER, AND THE CITY ENGINEER.

REET LIGHTING MAY BE IN THE VICINITY OF THIS PROJECT. CONTACT THE DIVISION OF NG AT 614-410-4740, 14 CALENDAR DAYS PRIOR TO BEGINNING WORK. TROL

ONTROL FOR VEHICULAR, PEDESTRIAN, AND SHARED-USE PATH TRAFFIC SHALL BE , ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR ACCORDING TO THE JAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), CURRENT EDITION. C LANES OF PUBLIC ROADWAYS SHALL BE FULLY OPEN TO TRAFFIC FROM 7:00 AM TO D FROM 4:00 PM TO 6:00 PM UNLESS APPROVED BY THE CITY ENGINEER. AT ALL OTHER E CONTRACTOR SHALL FOLLOW THE MAINTENANCE OF TRAFFIC IN THE APPROVED ORMED, OFF-DUTY POLICE OFFICERS SHALL REPLACE FLAGMEN DESIGNATED BY THE

ND SHALL BE PRESENT WHENEVER ONE-LANE, TWO-WAY TRAFFIC CONTROL IS IN LICE CRUISERS MAY BE REQUIRED AS DIRECTED BY THE CITY ENGINEER. ENGINEER DETERMINES THAT THE CONTRACTOR IS NOT PROVIDING PROPER S FOR TRAFFIC CONTROL, THE CITY ENGINEER SHALL ASSIGN UNIFORMED, OFF-DUTY

FICERS AT THE CONTRACTOR'S EXPENSE. IRNING, TYPE "C" LIGHTS PER THE OMUTCD SHALL BE REQUIRED ON ALL BARRICADES, SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT.

COM PUBLIC ROADWAYS TO ALL ADJOINING PROPERTIES FOR EXISTING RESIDENTS AND S SHALL BE MAINTAINED AT ALL TIMES FOR MAIL, PUBLIC WATER AND SANITARY SEWER ND EMERGENCY VEHICLES. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL ILING THE PROPOSED MAINTENANCE OF TRAFFIC PROCEDURES FOR ROADWAYS, AND SHARED-USE PATHS. THE TRAFFIC CONTROL PLAN MUST INCORPORATE TRAFFIC ETAILS AS SHOWN ON THE APPROVED PLANS. THE TRAFFIC CONTROL PLAN PROPOSED ITRACTOR MUST BE SUBMITTED, REVIEWED, AND APPROVED BY THE CITY ENGINEER HE START OF CONSTRUCTION.

ONTROL AND OTHER REGULATORY SIGNS SHALL BE TYPE S WITH A SQUARE POST ASE INSTALLATION AND MEET ALL REQUIREMENTS OF ODOT TC-41.20 AND APPLICABLE BLIN SPECIFICATIONS.

GNS SHALL MEET ALL CITY OF DUBIN SPECIFICATIONS WITH LETTERING COLORED IN PLAYED OVER A BROWN BACKGROUND. SIGN TUBING SHALL BE BROWN IN COLOR AND WITH TYPE S SQUARE POST ANCHOR BASE INSTALLATION REQUIREMENTS OF ODOT

SEDIMENT CONTROL NOTES

ACTOR SHALL ADHERE TO ALL REQUIREMENTS AND CONDITIONS AS SET FORTH BY THE ENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION COPY OF THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWP3), NPDES THE OHIO EPA NOI MUST BE KEPT ON SITE AND CLEARLY DISPLAYED AT ALL TIMES. P3 IS REQUIRED, THIS PLAN SET SHALL NOT BE APPROVED UNTIL THE SWP3 HAS BEEN ND APPROVED BY THE CITY OF DUBLIN.

ISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY F DUBLIN AND/OR THE OHIO EPA. ACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER

AVES THE SITE, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM ROSION AND SEDIMENT CONTROL SHALL BE PROVIDED PER THE REQUIREMENTS OF ATER AND LAND DEVELOPMENT" MANUAL PROVIDED BY THE OHIO EPA.

EROSION AND SEDIMENT CONTROL NOTES (CONTINUED)			DUB		
47. ACCEPTED METHODS OF PROVIDING EROSION/SE TO SEDIMENT BASINS, SEDIMENT TRAPS, SILT FIL			ENG		
TEMPORARY GROUND COVER. HAY OR STRAW BA 48. THE CONTRACTOR SHALL PROVIDE ADEQUATE DF	ALES ARE NOT PERMITTED.				
CONSISTENT WITH APPROPRIATE EROSION CONT 49. STABILIZATION OF DISTURBED AREAS SHALL AT A	MINIMUM BE INITIATED IN ACCORDANCE WITH	SANITARY SEWER NOTES			
THE TIME FRAME SPECIFIED IN THE FOLLOWING T TABLE 1: PERMANENT STABILIZATION	TABLES:	(CONTINUED) 65. BACKWATER VALVES SHALL BE INSTALLED ON SANITARY SERVICES WITH LESS THAN 2 FEET OF	RECORD CRIPTION		
	TIME FRAME TO APPLY EROSION CONTROLS WITHIN SEVEN DAYS OF THE MOST RECENT	RISER PIPE WITHIN THE FOOTPRINT OF THE BUILDING AS REQUIRED BY THE CITY ENGINEER. BACKWATER VALVES SHALL BE INSTALLED AT THE TIME THE HOUSE/STRUCTURE IS CONSTRUCTED.	DES		
YEAR OR MORE	DISTURBANCE WITHIN TWO DAYS OF REACHING FINAL	66. A MINIMUM 5-FOOT LENGTH OF SANITARY SEWER SERVICE PIPE SHALL BE INSTALLED AT THE TIME OF THE INSTALLATION OF THE WYE.	REVISIO		
WATER AND AT FINAL GRADE	GRADE WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA	67. THE CONTRACTOR SHALL FURNISH AND PLACE 4 INCH X 4 INCH X 10 FEET LONG PRESSURE TREATED WOOD WYE POLES AT ALL WYE LOCATIONS, ENDS OF EXTENDED SERVICES, OR AT THE END OF EACH RISER WHERE RISERS ARE REQUIRED. WYE POLES SHALL BE VISIBLE BEFORE ACCEPTANCE BY THE CITY.			
	GRADE WITHIN THAT AREA	68. SANITARY WYES SHALL BE PLACED A MINIMUM OF 10 FEET FROM MANHOLES UNLESS APPROVED BY THE CITY ENGINEER.			
		69. EXISTING SANITARY SEWER FLOWS SHALL BE MAINTAINED AT ALL TIMES. PUMPING AND BYPASSING SANITARY SEWER FLOW SHALL BE AT THE CONTRACTOR'S EXPENSE. A PLAN FOR PUMPING SHALL	DATE		
ANY DISTURBED AREAS WITHIN 50 FEET OF A	TIME FRAME TO APPLY EROSION CONTROLSWITHIN TWO DAYS OF THE MOST RECENT	BE SUBMITTED AND APPROVED BY THE CITY ENGINEER. 70. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, AND LABOR TO MAKE	ON		
SURFACE WATER AND NOT AT FINAL GRADE	DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS	CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED.	U N N		Rd 3082
DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL	THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE. TO MAINTAIN FLEXIBILITY IN THE CONNECTION, A 1 INCH SPACE SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL. THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES: a. RUBBER SLEEVE WITH STAINLESS STEEL BANDING	CIVIL ENGINEER	SURVEYING LANDSCAPE ARCHITECTURE www.kleingers	So Worthington I Suite H Westerville, OH 4 614.882.4311
		 KOR-N-SEAL: NATIONAL POLLUTION CONTROL SYSTEMS, INC. LOCK JOINT FLEXIBLE MANHOLE SLEEVE: INTERPACE CORPORATION OR EQUAL AS APPROVED BY THE CITY ENGINEER 			2
WINTER WHERE VEGETATIVE STABILIZATION TECHNIQUES OTHERWISE UNOBTAINABLE, ALTERNATIVE STABI		 b. RUBBER GASKET COMPRESSION i. PRESS WEDGE II: PRESS-SEAL GASKET CORPORATION ii. DURA SEAL III: DURA TECH, INC. iii. LINK-SEAL: THUNDERLINE CORPORATION 			
SANITARY SEWER NOTES		iv. OR EQUAL AS APPROVED BY THE CITY ENGINEER THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE IN THE MANHOLE SHALL BE AT			
50. EXTENSIONS AND/OR MODIFICATION TO THE PUBL OEPA PTI (PERMIT TO INSTALL) UNDER A SEPARA	TE PLAN SET. THE DEVELOPER IS RESPONSIBLE	THE CONTRACTOR'S EXPENSE. 70. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, AND LABOR TO MAKE		ļi	Ξ.
FOR OBTAINING ALL REQUIRED OHIO EPA APPROV SERVICE CONNECTIONS OR MODIFICATIONS TO T INSPECTION BY THE CITY OF DUBLIN DIVISION OF	HE PUBLIC SANITARY SEWER SYSTEM REQUIRE ENGINEERING.	CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED. THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE. TO MAINTAIN FLEXIBILITY IN THE CONNECTION, A 1 INCH SPACE			Z Z
51. SANITARY SEWERAGE COLLECTION SYSTEMS SHA RULES, REGULATIONS, STANDARDS, AND SPECIFI DUBLIN, OHIO EPA, OHIO DEPARTMENT OF HEALTI LAKES-UPPER MISSISSIPPI RIVER BOARD (TEN STA WASTEWATER FACILITIES.	CATIONS OF THE CITY OF COLUMBUS, CITY OF H, AND THE CURRENT EDITION OF THE GREAT	SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL. THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES:		Ζ	16
52. ROOF DRAINS, FOUNDATION DRAINS, FIELD TILE C	DR OTHER CLEAN WATER CONNECTIONS TO THE BITED ACCORDING TO SECTION 51.23 OF THE CITY	a. RUBBER SLEEVE WITH STAINLESS STEEL BANDING i. KOR-N-SEAL: NATIONAL POLLUTION CONTROL SYSTEMS, INC. ii. LOCK JOINT FLEXIBLE MANHOLE SLEEVE: INTERPACE CORPORATION iii. OR EQUAL AS APPROVED BY THE CITY ENGINEER	Z	[O]]	OHIO 43016
 MINIMUM REQUIREMENTS FOR SANITARY SEWER 6 INCH SERVICE LATERAL: PVC, ASTM D3034, SD 8 INCH - 10 INCH: PVC, ASTM D3034, SDR35 12 INCH - 30 INCH: PVC, ASTM D3034, SDR 35 OR 	DR35 SANITITE HP, ASTM F2736	b. RUBBER GASKET COMPRESSION i. PRESS WEDGE II: PRESS-SEAL GASKET CORPORATION ii. DURA SEAL III: DURA TECH, INC. iii. LINK-SEAL: THUNDERLINE CORPORATION iv. OR EQUAL AS APPROVED BY THE CITY ENGINEER	T PLA	DI	
30 INCH - 60 INCH: PVC, ASTM D3034, SDR 35 OR PIPE DEPTHS BETWEEN 20 FEET TO 28 FEET DEFE	R SANITITE HP, ASTM F2764 P SHALL BE SDR 26. PVC PIPE SHALL NOT BE USED	THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE IN THE MANHOLE SHALL BE AT THE CONTRACTOR'S EXPENSE.			OAD COUNTY,
AT DEPTHS GREATER THAN 28 FEET. ALL PIPE MA SHOP TESTED IN ACCORDANCE WITH CITY OF CO QUALITY CONTROL REQUIREMENTS.	TERIALS AND RELATED STRUCTURES SHALL BE	STORM SEWER NOTES	\sim		
MINIMUM PIPE SLOPE FOR SERVICE LATERALS SH REQUIREMENTS OF THE CITY OF COLUMBUS SAN		71. BLIND TAPS OF STORM SEWERS OR ROOF DRAINS TO STORM SEWER SYSTEMS ARE NOT PERMITTED UNLESS AUTHORIZED BY THE CITY ENGINEER. ROOF DRAIN SYSTEMS MUST CONNECT	APRO V S	,	ARD R JKLIN
54. TRENCH DAMS SHALL BE INSTALLED ALONG SANI SHOWN ON THE SANITARY SEWER PROFILE.		TO THE STORM SEWER SYSTEM AT A STORM SEWER CATCH BASIN OR MANHOLE UNLESS AUTHORIZED BY THE CITY ENGINEER.			H A
55. ALL IN-LINE WYE AND TEE CONNECTIONS IN CONC EITHER KOR-N-TEE OR KOR-N-SEAL CONNECTION	, , , , , , , , , , , , , , , , , , , ,	72. THE MINIMUM PIPE SIZE FOR PRIVATE OR PUBLIC STORM SEWER SYSTEMS IS 12 INCHES. 73. WHERE PRIVATE STORM SEWERS CONNECT TO PUBLIC STORM SEWERS, THE LAST RUN OF	E SITE		4000 N, FR/
 56. GRANULAR BACKFILL SHALL BE COMPACTED GRA STRENGTH MORTAR BACKFILL PER ITEM 613, TYP 	NULAR MATERIAL PER ITEM 912 OR LOW	PRIVATE STORM SEWER CONNECTING TO THE PUBLIC STORM SEWERS, THE LAST RON OF CONCRETE PIPE CONFORMING TO ASTM C76, WALL B, CLASS IV (12 INCH TO 15 INCH), CLASS III (18 INCH TO 24 INCH), CLASS II (27 INCH AND LARGER), UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER. INSPECTION OF THE CONNECTION TO THE PUBLIC STORM SEWER SYSTEM IS REQUIRED	PRIVATE DI II	H SC	4 DUBLIN,
57. ALL MANHOLE LIDS SHALL BE PROVIDED WITH CO		BY THE CITY OF DUBLIN DIVISION OF ENGINEERING. 74. MINIMUM REQUIREMENTS FOR PRIVATE STORM SEWER PIPE:	Id		OF
ENGINEER. SANITARY SEWER MANHOLES SHALL E CITY ENGINEER AND CONFORM TO THE CITY OF D LIDS SHALL INCLUDE CITY OF DUBLIN LOGO PER (BE PRECAST CONCRETE OR AS APPROVED BY THE DUBLIN STANDARD MANHOLE DRAWING. MANHOLE CITY STANDARD DRAWINGS.	a. REINFORCED CONCRETE PIPE i. 12 INCH - 15 INCH: ASTM C76, WALL B, CLASS IV ii. 18 INCH - 24 INCH: ASTM C76, WALL B, CLASS III		HI	CITY
 ALL FLEXIBLE SEWER PIPES SHALL BE DEFLECTION COMPLETION OF BACKFILLING OPERATIONS. ALL ITEM 901.21. 	ON TESTED NO LESS THAN 30 DAYS AFTER OTHER REQUIREMENTS SHALL BE ACCORDING TO	iii. 27 INCH AND LARGER: ASTM C76, WALL B, CLASS II b. HP STORM i. PIPE JOINTS SHALL BE WATERTIGHT PER ASTM D3212 ii. PIPES SUALL BE JOINED WITH A CASKETED INTEGRAL BELL AND SPICOT JOINT PER			
59. ALL SANITARY SEWERS INCLUDING SERVICE LINE AND EXFILTRATION TESTS ACCORDING TO ITEM 9 USE BY THE CITY ENGINEER BEFORE ANY SERVIC	01 AND MUST BE INSPECTED AND APPROVED FOR	ii. PIPES SHALL BE JOINED WITH A GASKETED INTEGRAL BELL AND SPIGOT JOINT PER ASTM F2881 c. HP SANITITE i. PIPE JOINTS SHALL BE WATERTIGHT PER ASTM D3212 ii. PIPES SUALL BE JOINED WITH A CASKETED INTEGRAL BELL AND SPIGOT JOINT PER	S		
COMPUTED EQUIVALENT. ALL SANITARY SEWERS	ETER PER 24 HOURS PER MILE OF LENGTH OR THE	ii. PIPES SHALL BE JOINED WITH A GASKETED INTEGRAL BELL AND SPIGOT JOINT PER ASTM F2764 d. PIPE MATERIAL AS APPROVED BY THE CITY ENGINEER. GASKETS SHALL BE INSTALLED BY THE PIPE MANUEACTURER AND COVERED WITH REMOVABLE	NOTES		23-2025
	NGINEER, THE CONTRACTOR SHALL PERFORM A ERAL PRIOR TO THE FINAL APPROVAL BY THE CITY. DARDS. THIS WORK SHALL BE COMPLETED AT THE	GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH REMOVABLE, PROTECTIVE WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS. A JOINT LUBRICANT AVAILABLE FROM THE MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING JOINT ASSEMBLY. 75. ALL FLEXIBLE STORM PIPE SHALL BE MANDREL TESTED IN ACCORDANCE WITH CITY OF COLUMBUS	AL		TE: 01-2
CONTRACTOR'S EXPENSE.	OR DISCOVERED DURING TV INSPECTION SHALL BE	76. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL PER ITEM 912 OR LOW	GENER		DAT
62. TEMPORARY BULKHEADS SHALL REMAIN IN PLACE	CTION OF THE CITY ENGINEER.	76. GRANDLAR BACKFILL SHALL BE COMPACTED GRANDLAR MATERIAL PER ITEM 912 OR LOW STRENGTH MORTAR BACKFILL PER ITEM 613, TYPE II. 77. ALL BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF COLUMBUS STANDARD			
62. TEMPORARY BULKHEADS SHALL REMAIN IN PLACE AND THE SEWERS HAVE BEEN APPROVED FOR US FURNISHING, INSTALLING, MAINTAINING, AND REM CONTRACTOR'S EXPENSE.	SE BY THE CITY ENGINEER. THE COST FOR	CONSTRUCTION DRAWING AA-S149. 78. ALL STORM WATER DETENTION AND RETENTION AREAS AND FLOOD ROUTING SWALES SHALL BE		TY OF DUB	
63. WHERE SANITARY SEWERS CROSS WATER MAIN (MATERIAL PER ITEM 912 SHALL BE PLACED BETWI WATER LINE MUST VERTICALLY CROSS A SANITAR	EEN THE CROSSING PIPES. IN THE EVENT A RY SEWER WITH LESS THAN 18 INCHES OF	CONSTRUCTED TO FINISH GRADE AND HYDRO-SEEDED AND HYDRO-MULCHED ACCORDING TO ITEMS 203 AND 659 OF THE STANDARD SPECIFICATIONS. 79. STORM INLETS AND CATCH BASINS SHALL BE CHANNELIZED AND HAVE BICYCLE SAFE GRATES.		XXX-C	
 SEPARATION FROM OUTSIDE OF PIPE TO OUTSIDE CONCRETE ENCASED OR CONSIST OF DUCTILE IR 64. SERVICE RISERS SHALL BE INSTALLED WHERE TH ELEVATION EXCEEDS 10 EFET, PISERS SHALL CON 	RON PIPE MATERIAL. IE DEPTH FROM WYES TO PROPOSED GROUND	MANHOLE LIDS SHALL INCLUDE CITY OF DUBLIN LOGO. ALL CURB INLETS AND CATCH BASIN GRATES SHALL INCLUDE ENGRAVED LETTERING PER CITY OF DUBLIN STANDARD DRAWING ST-04: "DUMP NO WASTE! DRAINS TO WATERWAYS". 80 STORM SEWER OUTLETS 18 INCHES AND GREATER IN DIAMETER ACCESSIBLE FROM STORM WATER		wing nun ${ m C102}$	
ELEVATION EXCEEDS 10 FEET. RISERS SHALL COM	NFURINI TU STANDARD DRAWING SA-03.	80. STORM SEWER OUTLETS 18 INCHES AND GREATER IN DIAMETER ACCESSIBLE FROM STORM WATER MANAGEMENT FACILITIES OR WATERCOURSES SHALL INCLUDE SAFETY GRATES PER CITY OF DUBLIN STANDARD DRAWING ST-02.			
		81. HEADWALLS SHALL BE REQUIRED AT ALL STORM SEWER INLETS OR OUTLETS TO AND FROM STORM WATER MANAGEMENT FACILITIES. STONE VENEER AND WALL CAPS TREATMENTS SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES PER CITY OF DUBLIN STANDARD DRAWING ST-01.	2	OF	

EROSION AND SEDIMENT CONTROL NOTES (CONTINUED)		
47. ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO SEDIMENT BASINS, SEDIMENT TRAPS, SILT FILTER FENCE, AGGREGATE CHECK DAMS, AND TEMPORARY GROUND COVER. HAY OR STRAW BALES ARE NOT PERMITTED.		
48. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE SITE AREA AT ALL TIMES CONSISTENT WITH APPROPRIATE EROSION CONTROL PRACTICES.		
49. STABILIZATION OF DISTURBED AREAS SHALL AT A MINIMUM BE INITIATED IN ACCORDANCE WITH THE TIME FRAME SPECIFIED IN THE FOLLOWING TABLES: TABLE 1: PERMANENT STABILIZATION	SANITARY SEWER NOTES (CONTINUED) 65. BACKWATER VALVES SHALL BE INSTALLED ON SANITARY SERVICES WITH LESS THAN 2 FEET OF	DRD NO
AREA REQUIRING PERMANENT STABILIZATION TIME FRAME TO APPLY EROSION CONTROLS	RISER PIPE WITHIN THE FOOTPRINT OF THE BUILDING AS REQUIRED BY THE CITY ENGINEER. BACKWATER VALVES SHALL BE INSTALLED AT THE TIME THE HOUSE/STRUCTURE IS CONSTRUCTED.	N RECORD DESCRIPTION
ANY AREAS THAT WILL BE DORMANT FOR ONE WITHIN SEVEN DAYS OF THE MOST RECENT YEAR OR MORE DISTURBANCE	66. A MINIMUM 5-FOOT LENGTH OF SANITARY SEWER SERVICE PIPE SHALL BE INSTALLED AT THE TIME OF THE INSTALLATION OF THE WYE.	REVISION C
ANY AREAS WITHIN 50 FEET OF A SURFACE WITHIN TWO DAYS OF REACHING FINAL GRADE GRADE	67. THE CONTRACTOR SHALL FURNISH AND PLACE 4 INCH X 4 INCH X 10 FEET LONG PRESSURE TREATED WOOD WYE POLES AT ALL WYE LOCATIONS, ENDS OF EXTENDED SERVICES, OR AT THE END OF EACH RISER WHERE RISERS ARE REQUIRED. WYE POLES SHALL BE VISIBLE BEFORE	REV
OTHER AREAS AT FINAL GRADE WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA	ACCEPTANCE BY THE CITY. 68. SANITARY WYES SHALL BE PLACED A MINIMUM OF 10 FEET FROM MANHOLES UNLESS APPROVED	
TABLE 2: TEMPORARY STABILIZATION	BY THE CITY ENGINEER. 69. EXISTING SANITARY SEWER FLOWS SHALL BE MAINTAINED AT ALL TIMES. PUMPING AND BYPASSING	DATE
AREA REQUIRING PERMANENT STABILIZATION TIME FRAME TO APPLY EROSION CONTROLS	SANITARY SEWER FLOW SHALL BE AT THE CONTRACTOR'S EXPENSE. A PLAN FOR PUMPING SHALL BE SUBMITTED AND APPROVED BY THE CITY ENGINEER.	
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER AND NOT AT FINAL GRADE WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS	70. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, AND LABOR TO MAKE CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED.	3082 MO 3082 B
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 Hereit Coverage for the Individual LOT(S)	THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE. TO MAINTAIN FLEXIBILITY IN THE CONNECTION, A 1 INCH SPACE SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL. THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES: a. RUBBER SLEEVE WITH STAINLESS STEEL BANDING i. KOR-N-SEAL: NATIONAL POLLUTION CONTROL SYSTEMS, INC. ii. LOCK JOINT FLEXIBLE MANHOLE SLEEVE: INTERPACE CORPORATION	CIVIL ENGINEER SURVEYING SURVEYING LANDSCAPE ARCHITECTURE ARCHITECTURE ARCHITECTURE Suite H Westerville, OH 4: Westerville, OH 4: 014.882.4311
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER PRIOR TO THE ONSET OF WINTER WEATHER	iii. OR EQUAL AS APPROVED BY THE CITY ENGINEERb. RUBBER GASKET COMPRESSION	
WHERE VEGETATIVE STABILIZATION TECHNIQUES MAY CAUSE STRUCTURAL INSTABILITY OR ARE OTHERWISE UNOBTAINABLE, ALTERNATIVE STABILIZATION TECHNIQUES MUST BE EMPLOYED.	 i. PRESS WEDGE II: PRESS-SEAL GASKET CORPORATION ii. DURA SEAL III: DURA TECH, INC. iii. LINK-SEAL: THUNDERLINE CORPORATION iv. OR EQUAL AS APPROVED BY THE CITY ENGINEER 	
SANITARY SEWER NOTES	THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE IN THE MANHOLE SHALL BE AT	
50. EXTENSIONS AND/OR MODIFICATION TO THE PUBLIC SANITARY SEWER SYSTEM WILL REQUIRE AN OEPA PTI (PERMIT TO INSTALL) UNDER A SEPARATE PLAN SET. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REQUIRED OHIO EPA APPROVALS AND PAYING REVIEW FEES. SANITARY SERVICE CONNECTIONS OR MODIFICATIONS TO THE PUBLIC SANITARY SEWER SYSTEM REQUIRE INSPECTION BY THE CITY OF DUBLIN DIVISION OF ENGINEERING.	THE CONTRACTOR'S EXPENSE. 70. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, AND LABOR TO MAKE CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED. THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE. TO MAINTAIN FLEXIBILITY IN THE CONNECTION, A 1 INCH SPACE	
51. SANITARY SEWERAGE COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES, REGULATIONS, STANDARDS, AND SPECIFICATIONS OF THE CITY OF COLUMBUS, CITY OF DUBLIN, OHIO EPA, OHIO DEPARTMENT OF HEALTH, AND THE CURRENT EDITION OF THE GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD (TEN STATES) – RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES.	SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL. THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES:	ON 43016
52. ROOF DRAINS, FOUNDATION DRAINS, FIELD TILE OR OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE STRICTLY PROHIBITED ACCORDING TO SECTION 51.23 OF THE CITY CODE.	a. RUBBER SLEEVE WITH STAINLESS STEEL BANDING i. KOR-N-SEAL: NATIONAL POLLUTION CONTROL SYSTEMS, INC. ii. LOCK JOINT FLEXIBLE MANHOLE SLEEVE: INTERPACE CORPORATION iii. OR EQUAL AS APPROVED BY THE CITY ENGINEER	LAN D ITIC OHIO 43
 53. MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPE: 6 INCH SERVICE LATERAL: PVC, ASTM D3034, SDR35 8 INCH - 10 INCH: PVC, ASTM D3034, SDR35 12 INCH - 30 INCH: PVC, ASTM D3034, SDR 35 OR SANITITE HP, ASTM F2736 	 b. RUBBER GASKET COMPRESSION PRESS WEDGE II: PRESS-SEAL GASKET CORPORATION DURA SEAL III: DURA TECH, INC. LINK-SEAL: THUNDERLINE CORPORATION OR EQUAL AS APPROVED BY THE CITY ENGINEER 	
30 INCH - 60 INCH: PVC, ASTM D3034, SDR 35 OR SANITITE HP, ASTM F2764 PIPE DEPTHS BETWEEN 20 FEET TO 28 FEET DEEP SHALL BE SDR 26. PVC PIPE SHALL NOT BE USED AT DEPTHS GREATER THAN 28 FEET. ALL PIPE MATERIALS AND RELATED STRUCTURES SHALL BE	THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE IN THE MANHOLE SHALL BE AT THE CONTRACTOR'S EXPENSE.	EMENT I CIOT ADL OAD COUNTY
SHOP TESTED IN ACCORDANCE WITH CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION QUALITY CONTROL REQUIREMENTS.	STORM SEWER NOTES	APROV N S(OL ARD R JKLIN
MINIMUM PIPE SLOPE FOR SERVICE LATERALS SHALL BE 2.08%. MAIN LINE PIPES SHALL MEET THE REQUIREMENTS OF THE CITY OF COLUMBUS SANITARY SEWER DESIGN MANUAL. 54. TRENCH DAMS SHALL BE INSTALLED ALONG SANITARY SEWERS PER ITEM 901.11 AND SHALL BE	71. BLIND TAPS OF STORM SEWERS OR ROOF DRAINS TO STORM SEWER SYSTEMS ARE NOT PERMITTED UNLESS AUTHORIZED BY THE CITY ENGINEER. ROOF DRAIN SYSTEMS MUST CONNECT TO THE STORM SEWER SYSTEM AT A STORM SEWER CATCH BASIN OR MANHOLE UNLESS AUTHORIZED BY THE CITY ENGINEER.	
SHOWN ON THE SANITARY SEWER PROFILE. 55. ALL IN-LINE WYE AND TEE CONNECTIONS IN CONCRETE SEWERS, 18 INCH AND LARGER, SHALL BE	72. THE MINIMUM PIPE SIZE FOR PRIVATE OR PUBLIC STORM SEWER SYSTEMS IS 12 INCHES.	
EITHER KOR-N-TEE OR KOR-N-SEAL CONNECTIONS CONFORMING TO THE MANUFACTURER'S RECOMMENDATIONS.	73. WHERE PRIVATE STORM SEWERS CONNECT TO PUBLIC STORM SEWERS, THE LAST RUN OF PRIVATE STORM SEWER CONNECTING TO THE PUBLIC STORM SEWER SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C76, WALL B, CLASS IV (12 INCH TO SINCH), CLASS III (18 INCH TO 24 INCH), CLASS III (27 INCH AND LARCED), INFESS OTHERWISE AUTHORIZED BY THE CITY	
 56. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL PER ITEM 912 OR LOW STRENGTH MORTAR BACKFILL PER ITEM 613, TYPE II. 57. ALL MANHOLE LIDS SHALL BE PROVIDED WITH CONTINUOUS SELF-SEALING GASKETS. BOLT DOWN 	INCH TO 24 INCH), CLASS II (27 INCH AND LARGER), UNLESS OTHÈRWISE AUTHORIZED BY THE CÌTY ENGINEER. INSPECTION OF THE CONNECTION TO THE PUBLIC STORM SEWER SYSTEM IS REQUIRED BY THE CITY OF DUBLIN DIVISION OF ENGINEERING.	PRIV D OF DU
LIDS SHALL BE INSTALLED PER CITY OF DUBLIN STANDARD DRAWING OR AS REQUIRED BY THE CITY ENGINEER. SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE OR AS APPROVED BY THE CITY ENGINEER AND CONFORM TO THE CITY OF DUBLIN STANDARD MANHOLE DRAWING. MANHOLE LIDS SHALL INCLUDE CITY OF DUBLIN LOGO PER CITY STANDARD DRAWINGS.	74. MINIMUM REQUIREMENTS FOR PRIVATE STORM SEWER PIPE: a. REINFORCED CONCRETE PIPE i. 12 INCH - 15 INCH: ASTM C76, WALL B, CLASS IV i. 12 INCH - 15 INCH: ASTM C76, WALL B, CLASS IV	
58. ALL FLEXIBLE SEWER PIPES SHALL BE DEFLECTION TESTED NO LESS THAN 30 DAYS AFTER COMPLETION OF BACKFILLING OPERATIONS. ALL OTHER REQUIREMENTS SHALL BE ACCORDING TO ITEM 901.21.	ii. 18 INCH - 24 INCH: ASTM C76, WALL B, CLASS III iii. 27 INCH AND LARGER: ASTM C76, WALL B, CLASS II b. HP STORM i. PIPE JOINTS SHALL BE WATERTIGHT PER ASTM D3212 ii. PIPES SHALL BE JOINED WITH A GASKETED INTEGRAL BELL AND SPIGOT JOINT PER	
59. ALL SANITARY SEWERS INCLUDING SERVICE LINES SHALL BE SUBJECT TO AND PASS INFILTRATION AND EXFILTRATION TESTS ACCORDING TO ITEM 901 AND MUST BE INSPECTED AND APPROVED FOR USE BY THE CITY ENGINEER BEFORE ANY SERVICE CONNECTIONS ARE TAPPED INTO SEWERS.	ASTM F2881 c. HP SANITITE i. PIPE JOINTS SHALL BE WATERTIGHT PER ASTM D3212 ii. PIPES SHALL BE JOINED WITH A GASKETED INTEGRAL BELL AND SPIGOT JOINT PER	ល
60. FOR SANITARY SEWER INFILTRATION, LEAKAGE THROUGH JOINTS SHALL NOT EXCEED 100 GALLONS PER INCH OF TRIBUTARY SEWER DIAMETER PER 24 HOURS PER MILE OF LENGTH OR THE COMPUTED EQUIVALENT. ALL SANITARY SEWERS SHALL BE TESTED AND INSPECTED BY CITY OF DUBLIN DIVISION OF ENGINEERING.	ASTM F2764 d. PIPE MATERIAL AS APPROVED BY THE CITY ENGINEER. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH REMOVABLE.	, NOTES
61. UNLESS OTHERWISE DETERMINED BY THE CITY ENGINEER, THE CONTRACTOR SHALL PERFORM A CCTV INSPECTION OF THE SANITARY SEWER LATERAL PRIOR TO THE FINAL APPROVAL BY THE CITY. CCTV SHALL CONFORM TO CURRENT PACP STANDARDS. THIS WORK SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.	 PROTECTIVE WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS. A JOINT LUBRICANT AVAILABLE FROM THE MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING JOINT ASSEMBLY. 75. ALL FLEXIBLE STORM PIPE SHALL BE MANDREL TESTED IN ACCORDANCE WITH CITY OF COLUMBUS ITEM 901.21. 	GENERAL DATE: 01-
VISIBLE LEAKS OR OTHER DEFECTS OBSERVED OR DISCOVERED DURING TV INSPECTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY ENGINEER.	76. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL PER ITEM 912 OR LOW STRENGTH MORTAR BACKFILL PER ITEM 613, TYPE II.	D7 GE
62. TEMPORARY BULKHEADS SHALL REMAIN IN PLACE UNTIL THE PTI HAS BEEN ISSUED BY THE OEPA AND THE SEWERS HAVE BEEN APPROVED FOR USE BY THE CITY ENGINEER. THE COST FOR	77. ALL BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING AA-S149.	
 FURNISHING, INSTALLING, MAINTAINING, AND REMOVING BULKHEADS SHALL BE AT THE CONTRACTOR'S EXPENSE. 63. WHERE SANITARY SEWERS CROSS WATER MAIN OR OTHER UTILITIES, COMPACTED GRANULAR MATERIAL DEPARTMENT OF PROVINCE PROVINCE PROVINCE AND THE EVENT A 	78. ALL STORM WATER DETENTION AND RETENTION AREAS AND FLOOD ROUTING SWALES SHALL BE CONSTRUCTED TO FINISH GRADE AND HYDRO-SEEDED AND HYDRO-MULCHED ACCORDING TO ITEMS 203 AND 659 OF THE STANDARD SPECIFICATIONS.	CITY OF DUBLIN PROJECT NUMBER 25-XXX-COM
MATERIAL PER ITEM 912 SHALL BE PLACED BETWEEN THE CROSSING PIPES. IN THE EVENT A WATER LINE MUST VERTICALLY CROSS A SANITARY SEWER WITH LESS THAN 18 INCHES OF SEPARATION FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE, THE SANITARY SEWER SHALL BE CONCRETE ENCASED OR CONSIST OF DUCTILE IRON PIPE MATERIAL.	79. STORM INLETS AND CATCH BASINS SHALL BE CHANNELIZED AND HAVE BICYCLE SAFE GRATES. MANHOLE LIDS SHALL INCLUDE CITY OF DUBLIN LOGO. ALL CURB INLETS AND CATCH BASIN GRATES SHALL INCLUDE ENGRAVED LETTERING PER CITY OF DUBLIN STANDARD DRAWING ST-04: "DUMP NO WASTEL DRAINS TO WATERWAYS"	DRAWING NUMBER
64. SERVICE RISERS SHALL BE INSTALLED WHERE THE DEPTH FROM WYES TO PROPOSED GROUND ELEVATION EXCEEDS 10 FEET. RISERS SHALL CONFORM TO STANDARD DRAWING SA-03.	WASTE! DRAINS TO WATERWAYS". 80. STORM SEWER OUTLETS 18 INCHES AND GREATER IN DIAMETER ACCESSIBLE FROM STORM WATER MANAGEMENT FACILITIES OR WATERCOURSES SHALL INCLUDE SAFETY GRATES PER CITY OF DUBLIN STANDARD DRAWING ST-02	C102
	DUBLIN STANDARD DRAWING ST-02. 81. HEADWALLS SHALL BE REQUIRED AT ALL STORM SEWER INLETS OR OUTLETS TO AND FROM STORM WATER MANAGEMENT FACILITIES. STONE VENEER AND WALL CAPS TREATMENTS SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES PER CITY OF DUBLIN STANDARD DRAWING ST-01.	sheet number 2 of 14

- 5



GENERAL NOTES

DRAWN BY: MJC					
PROJECT NUMBER: 24155.00					
PROJECT	ISSUE DATE: JANUARY 23,	2025			
REV NO	DESCRIPTION	DATE			

PROJECT MANAGER: MEC

DESIGN DEVELOPMENT

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100. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FULLY INFORM THEMSELVES CONCERNING ALL CONDITIONS AFFECTING THE SCOPE OF THE WORK. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THEM FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THE CONTRACT.

101. THE DIRECT OR INDIRECT DISCHARGE OR PUMPING OF UNFILTERED SEDIMENT-LADEN WATER INTO THE STORM DRAINAGE SYSTEM OR WATERCOURSE IS ILLEGAL AND PROHIBITED. 102. ANY WELL, WELL POINT, PIT, OR OTHER DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE

GROUND WATER TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR IN ACCORDANCE WITH THE PROVISIONS OF THIS PLAN AS DIRECTED BY THE DIRECTOR OF PUBLIC UTILITIES OR HIS REPRESENTATIVE.

103. ANY CONTRACTOR INSTALLING ANY WELL, WELL POINT, PIT, OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUND WATER FROM AN AQUIFER SHALL COMPLETE AND FILE A WELL LOG AND DRILLING REPORT FORM WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR). DIVISION OF WATER, WITHIN 30 DAYS OF THE WELL COMPLETION IN ACCORDANCE WITH THE OHIO REVISED CODE SECTION 1521.01 AND 1521.05 IN ADDITION, ANY SUCH FACILITY IS COMPLETED IN ACCORDANCE WITH SECTION 1521.16 OF THE OHIO REVISED CODE. FOR COPIES OF THE NECESSARY WELL LOG, DRILLING REPORT, OR REGISTRATION FORMS, PLEASE CONTACT: OHIO DEPARTMENT OF NATURAL RESOURCES, 2045 MORSE ROAD, COLUMBUS, OHIO 43229, 614-265-6576. 104. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO THE ODNR FOR THE REGISTRY,

MAINTENANCE AND ABANDONMENT OF ANY WITHDRAWAL DEVICE USED IN CONSTRUCTION OF THIS 105. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE

106. ALL SITE SIGNAGE, STRIPING COLOR AND WIDTH SHALL BE PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

107. ALL EXISTING PAVEMENTS, WALKS, CURBS, ETC. SHALL BE FULL DEPTH SAWCUT BEFORE REMOVAL. IF, DURING CONSTRUCTION, THE PAVEMENT, WALKWAY, CURB, ETC. IS DAMAGED BEYOND THE ORIGINAL SAWCUT, THE DAMAGED AREA SHALL BE RECUT TO NEAT LINES AS DIRECTED BY THE ENGINEER. PAYMENT FOR SAWCUTTING SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.

108. THE CONTRACTOR SHALL FULL DEPTH SAWCUT EXISTING PAVEMENT TO PROVIDE A SMOOTH VERTICAL FULL DEPTH BUTT JOINT BETWEEN THE EXISTING PAVEMENT OR CURB AND THE PROPOSED PAVEMENT. CONTRACTOR SHALL LOCATE SOUND PAVEMENT EDGE AND CUT AND TRIM PAVEMENT TO A NEAT LINE. INCLUDE THE COST OF PAVEMENT REMOVAL AND DISPOSAL IN THE PRICE BID FOR THE PROJECT.

110. SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING & STRIPPING UNSUITABLE MATERIAL FROM PAD SITE. THEN PLACE & COMPACT BACKFILL MATERIAL AT GEOTECHNICAL ENGINEER'S AND ARCHITECT'S RECOMMENDATIONS. ALL BACKFILL MATERIAL MUST BE ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.

111. CONTRACTOR TO LAYOUT BUILDING BASED ON ARCHITECTURAL/FOUNDATION PLANS. SITE PLAN IS FOR CONCEPTUAL PURPOSES ONLY. 113. ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S

114. THE CONTRACTOR IS RESPONSIBLE FOR THE IMPORT AND/OR EXPORT OF MATERIAL TO THE SITE TO ACHIEVE THE DESIGN GRADES.

115. UTILITY POLES WITHIN INFLUENCE OF THE UTILITY OPERATIONS SHALL BE REINFORCED BY THE UTILITY COMPANY PRIOR TO THESE CONSTRUCTION ACTIVITIES. NOTIFICATION OF THE UTILITY COMPANY PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. 116. COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING

LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY. 117. ALL CATCH BASINS PLACED WITHIN THE PAVEMENT SHALL HAVE HEAVY DUTY FRAMES AND GRATES. CATCH BASINS WITHIN AN ACCESSIBLE ROUTE SHALL CONFORM TO ADA REQUIREMENTS. 118. ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED.

119. ALL CATCH BASINS WITH DEPTH GREATER THAN 6' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF CMSC ITEM 604. 120. ALL STORM AND SANITARY SEWER MANHOLES WITH A DEPTH GREATER THAN 6' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF CMSC ITEM 604.

121. DISTANCES SHOWN FOR BOTH SANITARY AND STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM AND SANITARY STRUCTURES ARE SHOWN TO THE CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

122. IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE, RIP RAP, ROCK CHANNEL PROTECTION, SODDING, POURING

123. ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER. EROSION CONTROL MEASURES MUST PROVIDE PROTECTION UNTIL COMPLETION OF THE PROJECT AND VEGETATIVE STABILIZATION.

124. THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTIONS ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE

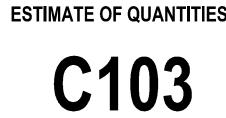
OUTSIDE BUILDING WALL. COORDINATE WITH CONSTRUCTION MANAGER. 126. ALL CATCH BASINS IN THE PAVEMENT ARE TO HAVE 4, 4" PERFORATED UNDERDRAINS EXTENDING

10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED. ALL CATCH BASINS IN THE CURB ARE TO HAVE 2, 4" PERFORATED UNDERDRAINS EXTENDING 10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED.

127. FOR EXACT LOCATION OF DOWN SPOUTS & ROOF DRAINS, COORDINATE WITH CONSTRUCTION MANAGER. ALL ROOF DRAINS ARE TO BE 8" UNLESS OTHERWISE NOTED.

128. ALL EXISTING INVERTS ALONG PROPOSED PIPE ALIGNMENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF THE SEWER.

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ITEM #	QUANT	UNIT	DESCRIPTION					
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207 207	189 1	LF EA	STRAW WATTLE CONCRETE WASHOUT AREA					
207	10	EA	DANDY SACK INLET PROTECTION			DATE		
207	1	EA	STABILIZED CONSTRUCTION ENTRANCE			D O N O		
604 604	1 5	EA EA	MODIFIED CATCH BASIN (AA-S134B) CATCH BASIN (AA-S133A)					E ~
604	3	EA	STORM SEWER CLEANOUT			ERING	RE	e rs.co on Rd H 4308;
655 659	1 17,618	LS SY	TREE PROTECTION DURING CONSTRUCTION SEEDING AND MULCHING, CLASS 1			NGINE	CAPE	leinge rthingto ille, OH :4311
901	33	LF	8" STORM SEWER WITH TYPE 1 BEDDING			IVIL E. URVE)		www.kleingers.com 350 Worthington Rd Suite H Westerville, OH 43082 614.882.4311
901	270	LF	12" STORM SEWER WITH TYPE 1 BEDDING			<u> </u>	AL	j ≤ 0 m <
SPEC SPEC	1	EA EA	ADS STORMTECH SC-310 (42 CHAMBRERS WITH ISOLATOR ROWS) ORIFICE PLATE (AA-S145)					RS
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GENERAL NOTES &

PROJECT	NUMBER: 24155.00					
PROJECT ISSUE DATE: JANUARY 23, 2025						
REV. NO.△	DESCRIPTION	DATE				



PROJECT MANAGER: MEC

DRAWN BY: MJC

DESIGN DEVELOPMENT

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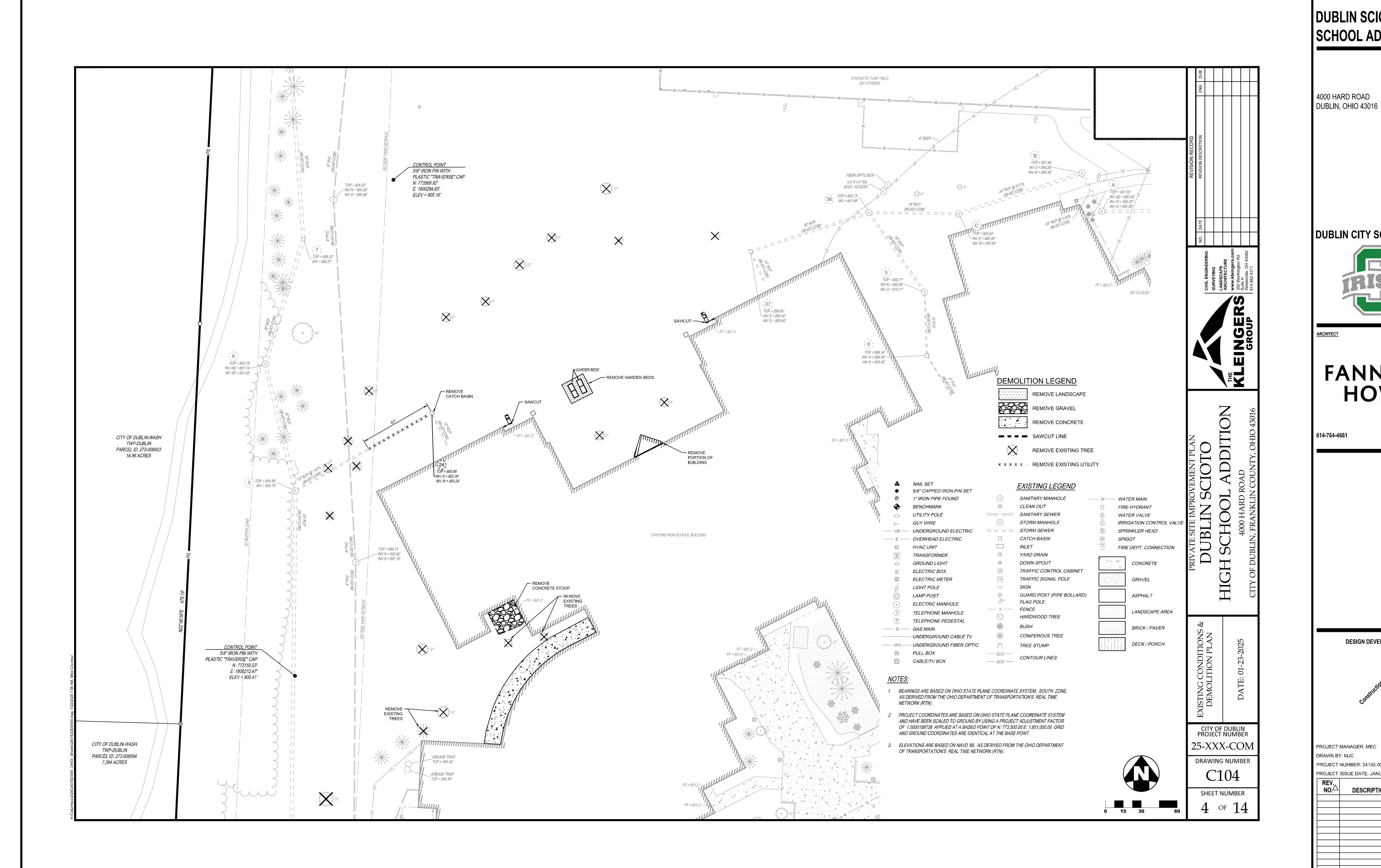
DUBLIN CITY SCHOOLS



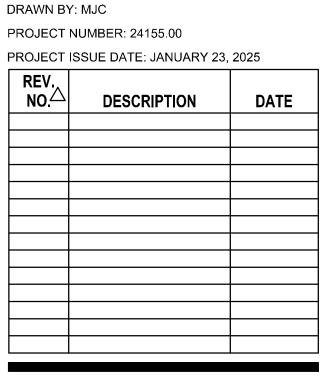
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SCHOOL ADDITION

DUBLIN SCIOTO HIGH







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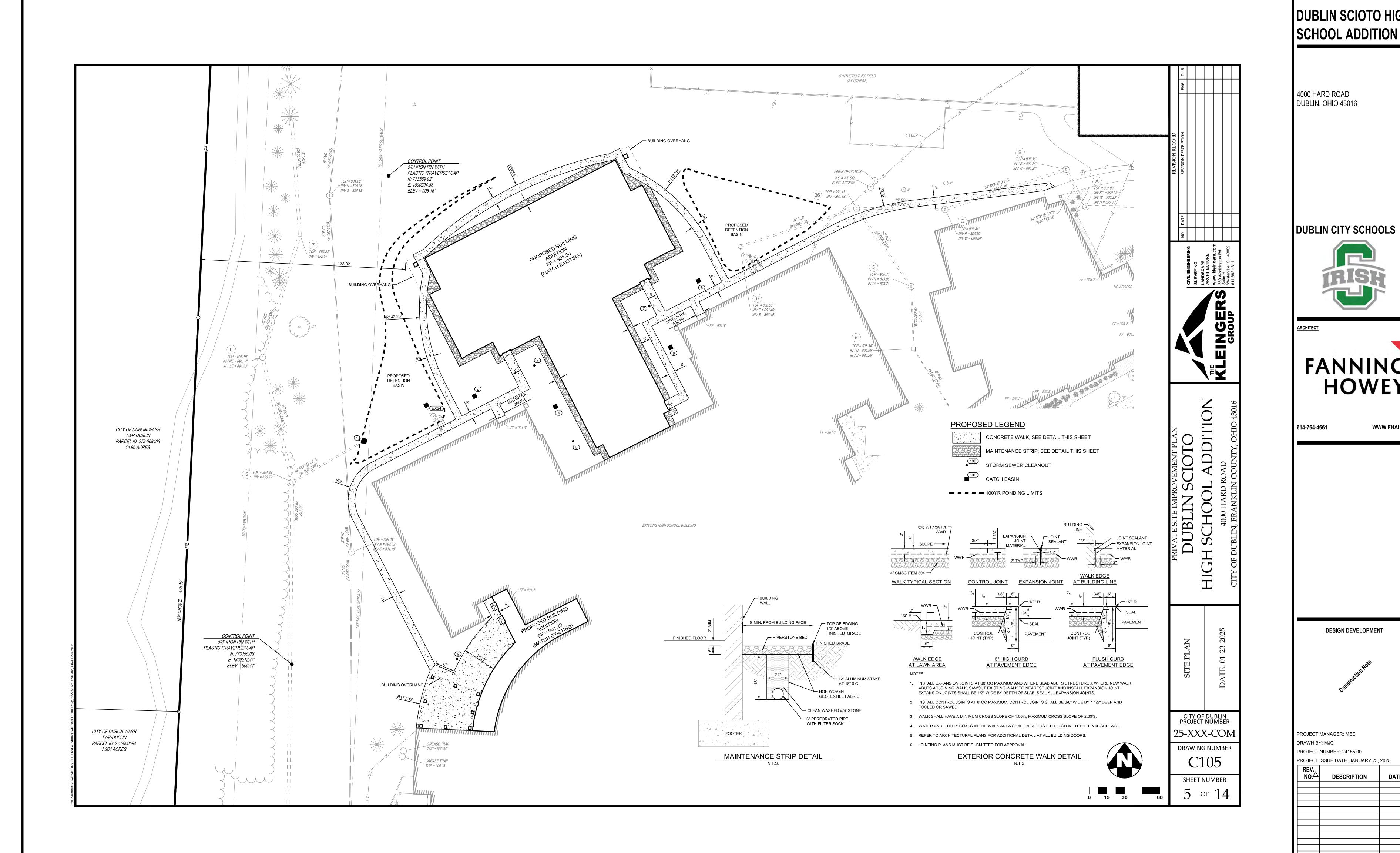


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SITE PLAN

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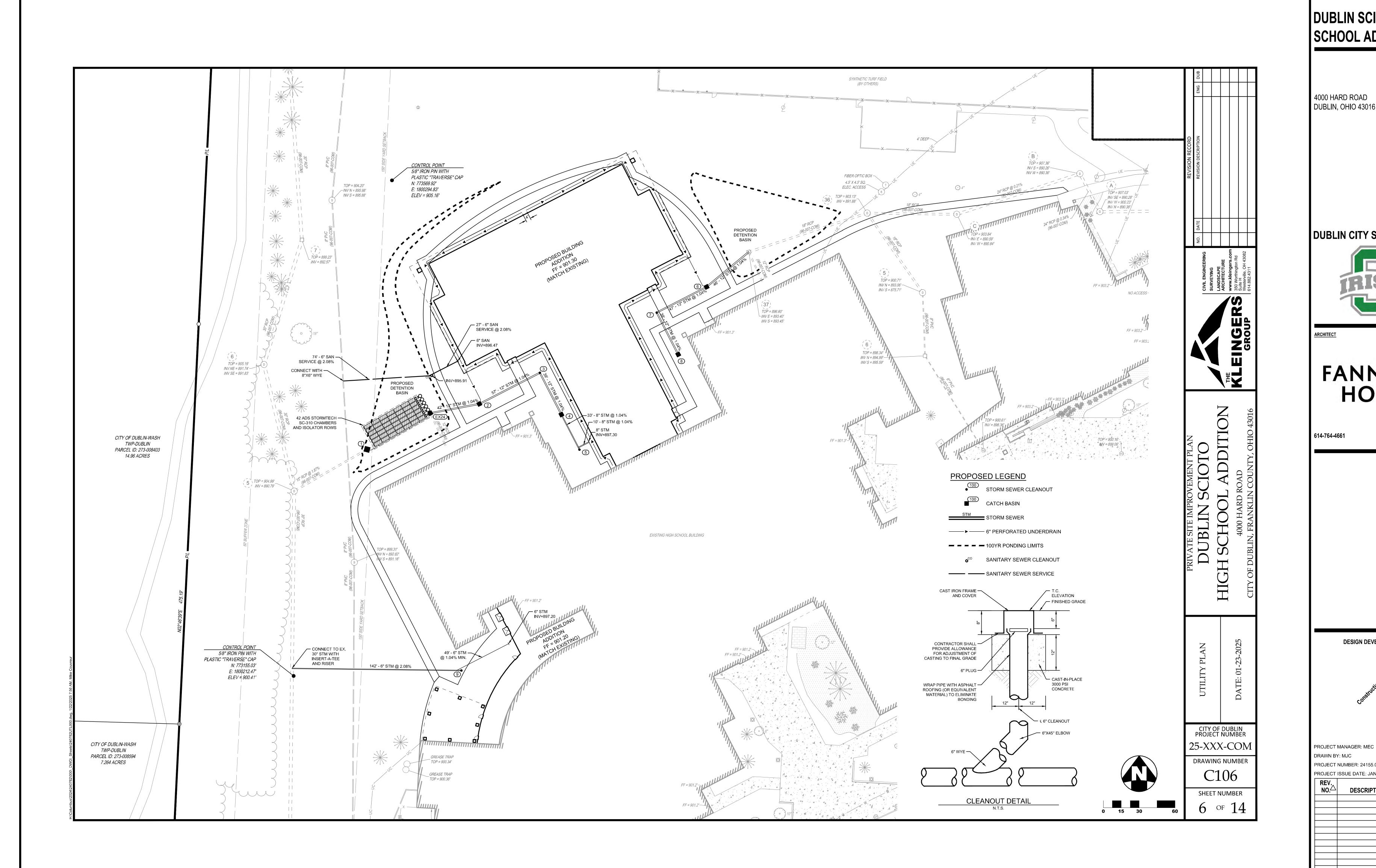
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UTILITY PLAN

PROJECT	NUMBER: 24155.00				
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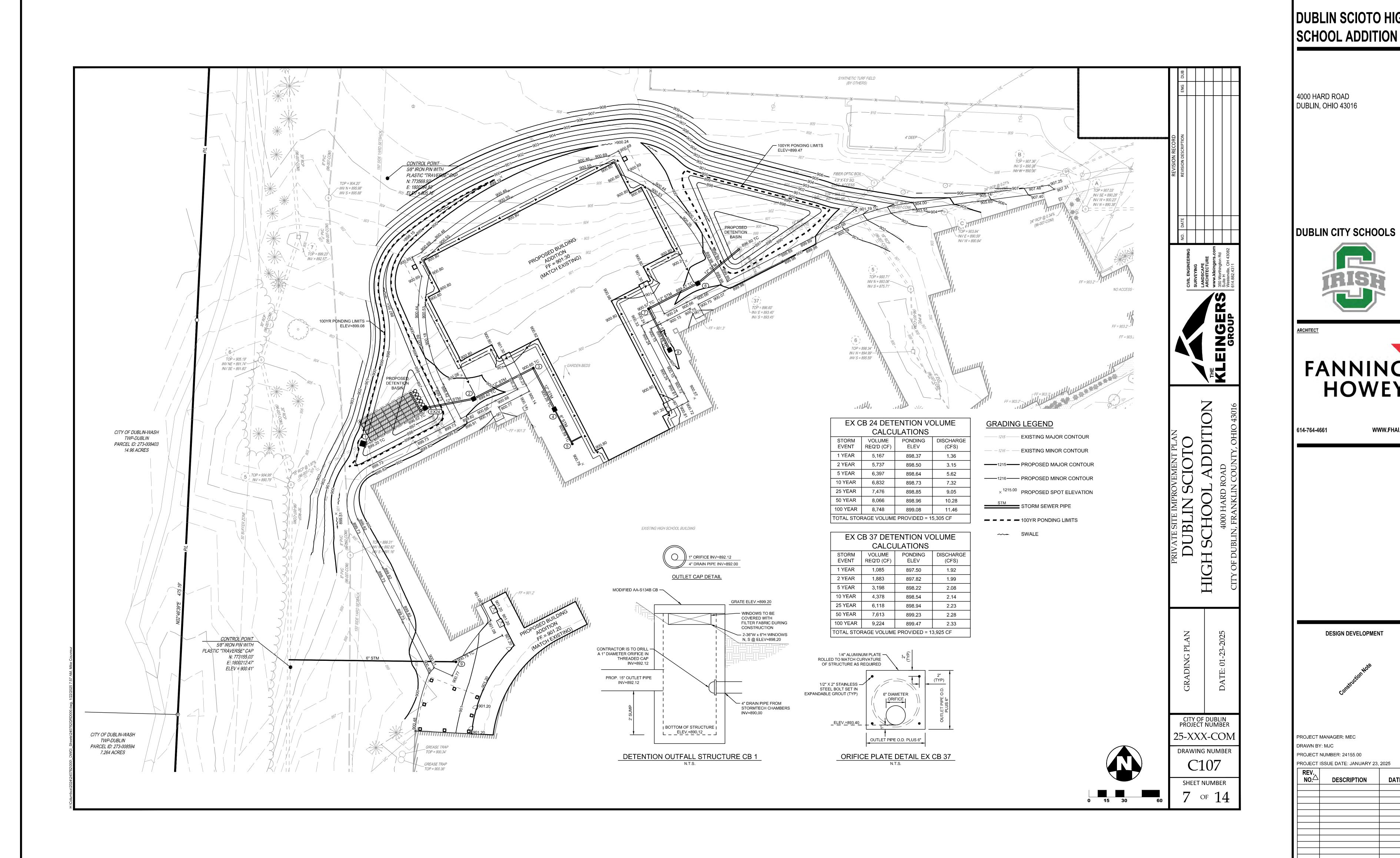


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GRADING PLAN

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PROJECT NUMBER: 24155.00				
PROJECT ISSUE DATE: JANUARY 23, 2025				
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DESIGN DEVELOPMENT

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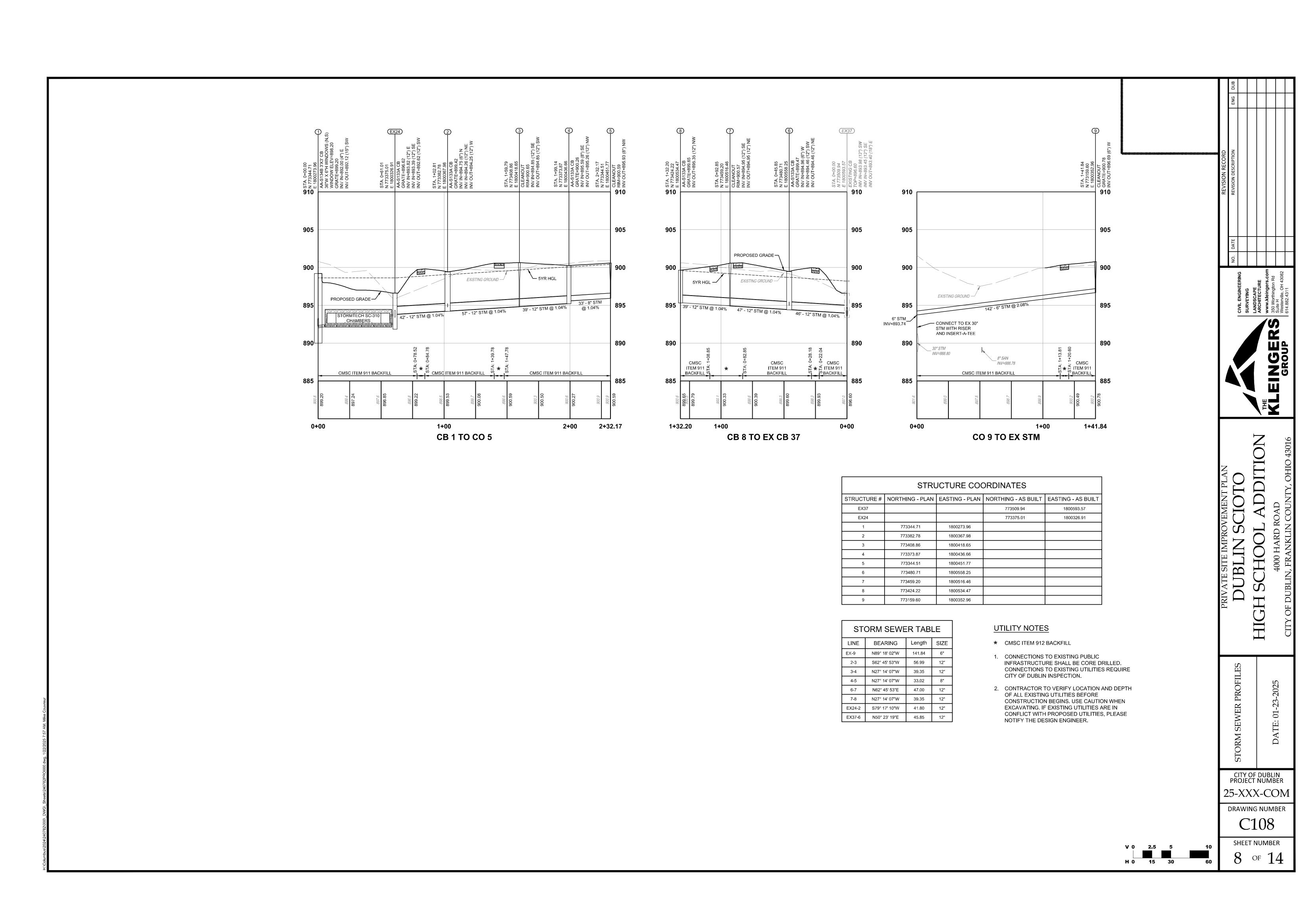


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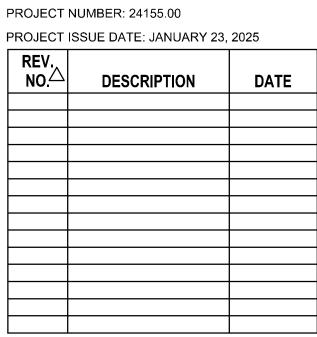
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PROJECT MANAGER: MEC DRAWN BY: MJC

DESIGN DEVELOPMENT

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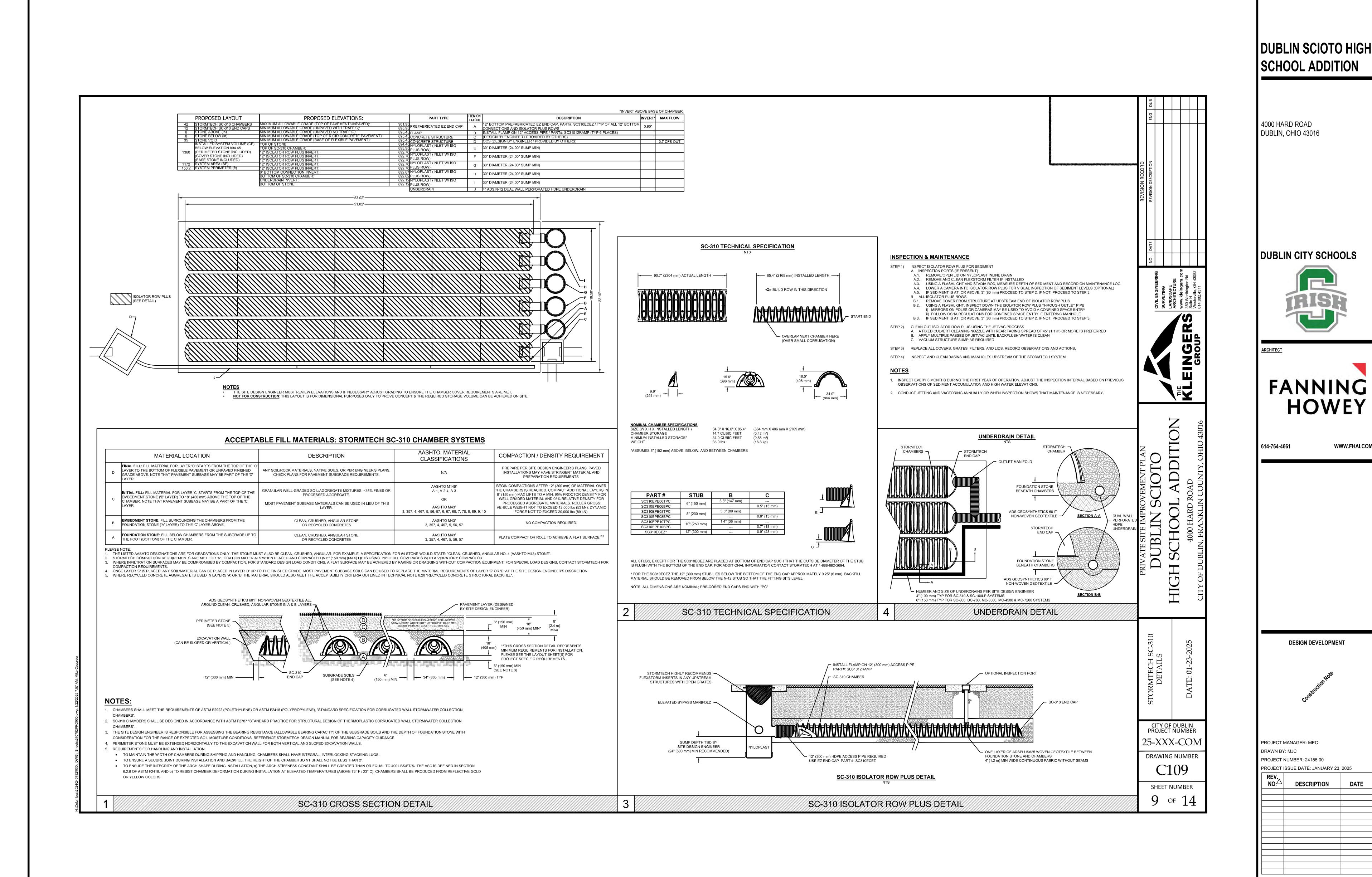
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STORMTECH SC-310

PROJECT NUMBER: 24155.00 PROJECT ISSUE DATE: JANUARY 23, 2025 NO. DATE DESCRIPTION

PROJECT MANAGER: MEC

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4000 HARD ROAD

DUBLIN, OHIO 43016



SCHOOL ADDITION

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	4GC10383*AG	SEDIME
PROJECT DESCRIPTION THIS PROJECT CONSISTS OF BUILDING ADDITIO LATITUDE:	N 40°07'16.07"	THIS PF LIFETIM METHO WEATH
LONGITUDE: ESTIMATED CONSTRUCTION DATES: TOTAL SITE AREA:	W 83°06'0.36" 04/01/2025 - 10/31/2026 54.30 ACRES	MODIFY
AREA OF PROPOSED IMPROVEMENTS: TOTAL DISTURBED AREA:	2.50 ACRES 4.67 ACRES	PERMIT
EXISTING IMPERVIOUS AREA: PROPOSED IMPERVIOUS AREA: TOTAL IMPERVIOUS AREA AFTER CONSTRUCTIO	24.40 ACRES 1.03 ACRES DN: 25.43 ACRES	PHASE
PRE-CONSTRUCTION RUNOFF COEFFICIENT : POST-CONSTRUCTION RUNOFF COEFFICIENT:	C=0.65 C=0.66	CONST REQUIF
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EXISTING LAND USE: SOILS:	HIGH SCHOOL CAMPUS Ble1B1 - BLOUNT SILT LOAM, 2 TO 4 PERCENT SLOPES	THERE ACTIVII
	Gwe5B2 - GLYNWOOD CLAY LOAM, 2 TO 6 PERCENT SLOPES	COMPA NO SOL
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	INSUITABLE MATERIAL THROUGH THE INCREMENTAL WORK RARY SEEDING. INSTALL ALL TEMPORARY SEDIMENT	CONTR
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ALL EROSION AND SEDIMENT CONTROL PRACTI DISCRETION OF THE CITY OF DUBLIN AND/OR TH	ICES ARE SUBJECT TO FIELD MODIFICATION AT THE HE OHIO EPA.	AND DA
EMERGENCY ACTION & SPILL PF THE SCOPE OF WORK COVERED BY THIS PLAN CONTAINMENT OF SPILLED LIQUIDS, EMERGENC SPILL CLEAN-UP.		AS THE TEMPO IS IMMII
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WISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF WATER AND LAND DEVELOPMENT" HANDBOOK SHALL GOVERN THE EROSION AND TROL INSTALLATIONS SPECIFIED ON THIS PLAN.

WILL INVOLVE SEVERAL CONSTRUCTION PHASES AND SEQUENCING THROUGHOUT ITS /ERY IMPORTANT THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROL (S&EC) FIELD IG WITH THIS PLAN, ARE UPDATED TO REFLECT THE ACTUAL FIELD CONDITIONS, CURRENT DITIONS AND SITE GRADE CHANGES. THE ENGINEER OR THE OHIO EPA CAN AND WILL AN AS NECESSARY.

OR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE OEPA NPDES ENGINEER AND THE OEPA.

OR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT NTLY UNDER CONSTRUCTION.

AND DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF ACCORDING TO OHIO EPA

OR WILL BE REQUIRED TO INSTALL EROSION CONTROL ITEMS TO CONTROL SEDIMENT CEPTABLE EPA STANDARDS BEFORE RELEASING RUNOFF INTO THE EXISTING DETENTION THER DOWNSTREAM SOURCES.

E NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING DIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER PRACTICE, PRIOR TO DISCHARGE.

QUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) ECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

TION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE TARY AND HEALTH REGULATIONS.

N CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION S, AT THE ENGINEER'S DISCRETION.

DEBRIS OR OTHER MATERIAL SHALL BE DUMPED OR PLACED IN ANY AREAS NOT ROTECTED BY EROSION CONTROL INSTALLATIONS.

D TO USE PERMANENT EROSION CONTROL ITEMS AS SHOWN IN THE PLANS TO CONTROL POLLUTION WHEN POSSIBLE. OTHERWISE, THE TEMPORARY POLLUTION PREVENTION BE USED.

ARY S&EC METHODS, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS MAY PERIODICALLY REMOVED AND REPLACED, OR MOVED FROM THE EXISTING ROAD DITCH REAS AS WORK PROGRESSES. ANY CHANGES SHALL BE NOTED IN THE PLAN BY RED LINE A CORRECTIVE ACTION LOG.

Y SEDIMENT CONTROLS AND STORM WATER QUALITY METHODS WILL BE BUILT/INSTALLED T PROGRESSES TO ELIMINATE UNNECESSARY DISTURBANCE AND REDUNDANCY. ALL NTROLS SHALL BE IN PLACE AND FUNCTIONING PROPERLY WHEN THREATENING WEATHER

FABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATION, MULCHING, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER TECHNIQUES CAPABLE OF LISHING COVER OVER DISTURBED AREAS TO PROVIDE EROSION CONTROL BETWEEN OPERATIONS.

FABILIZATION" MEANS THE ESTABLISHMENT OF PERMANENT VEGETATION, DECORATIVE LCHING, MATTING, SOD, RIP RAP AND LANDSCAPING TECHNIQUES TO PROVIDE OSION CONTROL ON AREAS WHERE CONSTRUCTION OPERATIONS ARE COMPLETE OR THER DISTURBANCE IS EXPECTED FOR AT LEAST A YEAR.

(ING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL O HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

FION PRACTICES

EDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 1) TABLE 1: PERMANENT STABILIZATION

REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS				
THAT WILL LIE DORMANT AR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE				
WITHIN 50 FEET OF A ATER OF THE STATE AND AT E	WITHIN TWO DAYS OF REACHING FINAL GRADE				
AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA				

EDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 2)

TABLE 2: TEMPORARY STABILIZATION					
EQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS				
BED AREAS WITH 50 FEET OF WATER OF THE STATE AND L GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS				
ISTRUCTION ACTIVITIES, BED AREAS THAT WILL BE DR MORE THAN 14 DAYS BUT DNE YEAR, AND NOT WITHIN A SURFACE WATER OF THE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).				
AREAS THAT WILL BE IDLE R	PRIOR TO THE ONSET OF WINTER WEATHER				
ARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70					

SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

MULCH SHALL CONSIST OF UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED, FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:

- 1) MECHANICAL-USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN. 2) MULCH NETTINGS-USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING
- ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE. SYNTHETIC BINDERS-FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC). DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE
- MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE. 4) WOOD CELLULOSE FIBER - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE
- FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

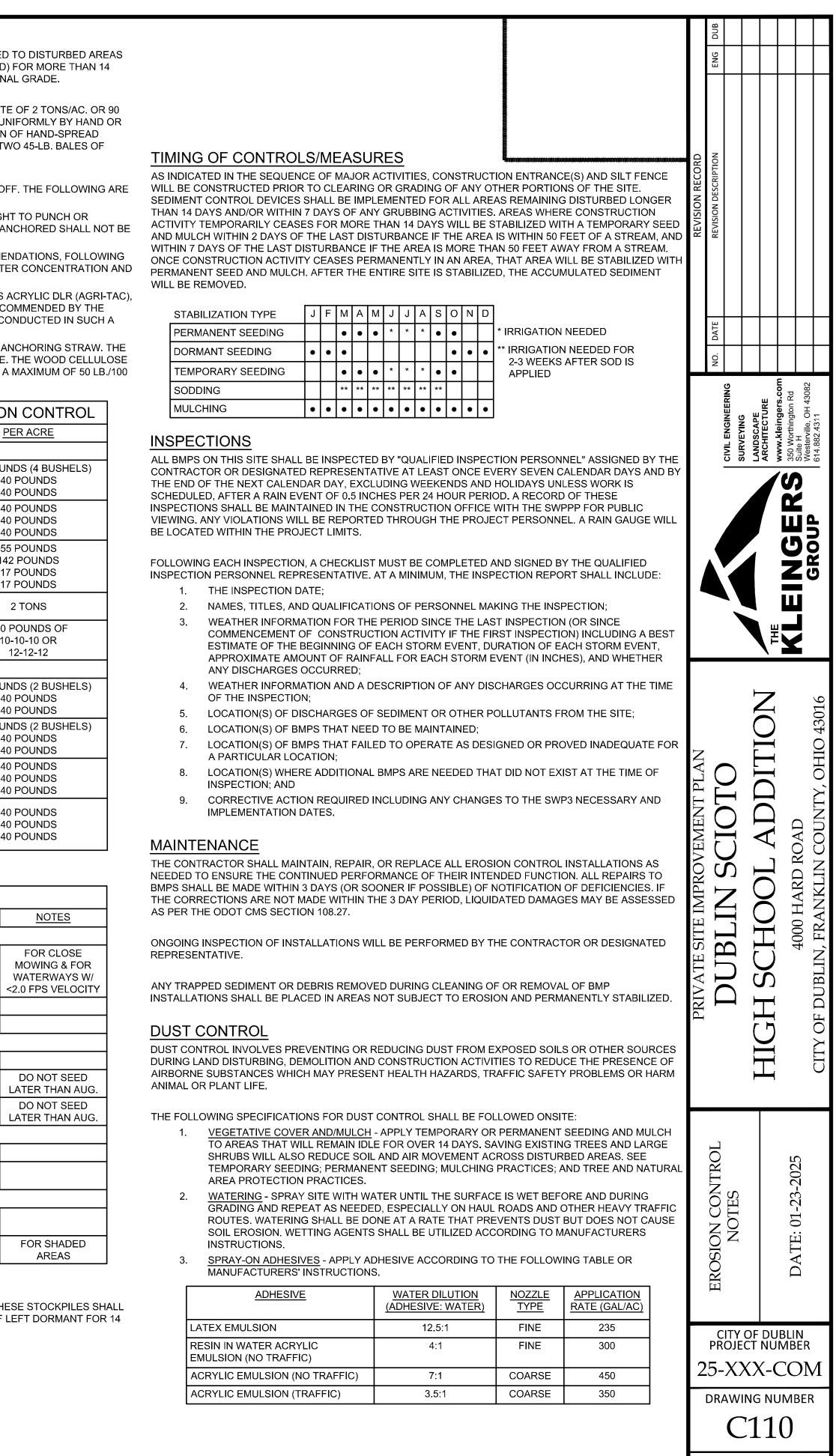
TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL SEED TYPE PER 1,000 SQ FT

<u>SEED TYPE</u>	PER 1,000 SQ FT	
	MARCH 1 TO AUGUST 15	•
OATS TALL FESCUE ANNUAL RYEGRASS	3 POUNDS 1 POUND 1 POUND	128 POUN 40 40
PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 POUND 1 POUND 1 POUND	40 40 40
ANNUAL RYEGRASS PERENNIAL RYEGRASS CREEPING RED FESCUE KENTUCKY BLUEGRASS	1.25 POUNDS 3.25 POUNDS 0.4 POUNDS 0.4 POUNDS	55 142 17 17
SMALL GRAIN STRAW	90 POUNDS	:
FERTILIZER	6 POUNDS OF 10-10-10 OR 12-12-12	250 F 10- 1
	AUGUST 16 TO NOVEMBER	
RYE TALL FESCUE ANNUAL RYEGRASS	3 POUNDS 1 POUND 1 POUND	112 POUN 40 40
WHEAT TALL FESCUE ANNUAL RYEGRASS	3 POUNDS 1 POUND 1 POUND	120 POUN 40 40
PERENNIAL RYE TALL FESCUE ANNUAL RYEGRASS	1 POUND 1 POUND 1 POUND	40 40 40
ANNUAL RYEGRASS PERENNIAL RYEGRASS CREEPING RED FESCUE KENTUCKY BLUEGRASS	1.25 POUNDS 3.25 POUNDS 0.4 POUNDS 0.4 POUNDS	40 40 40

F	PERMANENT SEEDING						
SEED MIX	<u>PER 1,000 SQ FT</u>	PER ACRE					
	GENERAL US	E					
CREEPING RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	0.5 - 1 POUND 0.25 - 0.5 POUND 0.5 - 1 POUND	20 - 40 POUNDS 10 - 20 POUNDS 20 - 40 POUNDS	<				
TALL FESCUE	1 - 1.25 POUNDS	40 - 50 POUNDS					
TURF-TYPE (DWARF) FESCUE	2.25 POUNDS	90 POUNDS					
	STEEP BANKS OR CU	T SLOPES					
TALL FESCUE	1 - 1.25 POUNDS	40 - 50 POUNDS					
CROWN VETCH TALL FESCUE	0.25 - 0.5 POUND 0.5 - 0.75 POUND	10 - 20 POUNDS 20 - 30 POUNDS	L				
FLAT PEA TALL FESCUE	0.5 - 0.75 POUND 0.5 - 0.75 POUND	20 - 25 POUNDS 20 - 30 POUNDS	L				
	ROAD DITCHES AND	SWALES					
TALL FESCUE	1 - 1.25 POUNDS	40 - 50 POUNDS					
TURF-TYPE (DWARF) FESCUE KENTUCKY BLUEGRASS	2.25 POUNDS 0.1 POUND	90 POUNDS 5 POUNDS					
	LAWNS		-				
KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	2 POUNDS 2 POUNDS	100 - 120 POUNDS					
KENTUCKY BLUEGRASS CREEPING RED FESCUE	2 POUNDS 1.5 POUNDS	100 - 120 POUNDS					

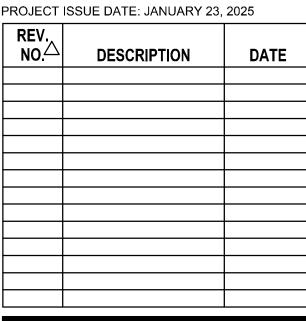
STOCKPILE

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.





EROSION CONTROL



PROJECT MANAGER: MEC DRAWN BY: MJC PROJECT NUMBER: 24155.00

SHEET NUMBER

10 of 14

DESIGN DEVELOPMENT

614-764-4661



WWW.FHAI.COM

ARCHITECT





SCHOOL ADDITION

4000 HARD ROAD

DUBLIN, OHIO 43016

DUBLIN SCIOTO HIGH

SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

- 1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
- 2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- 3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
- 4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- 5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER. 6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- 7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

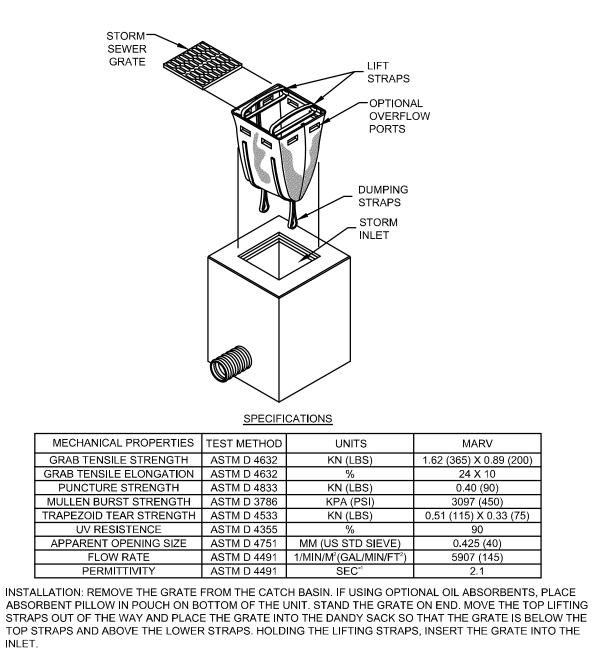
HAZARDOUS PRODUCTS:

- 1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- 2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. 3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES

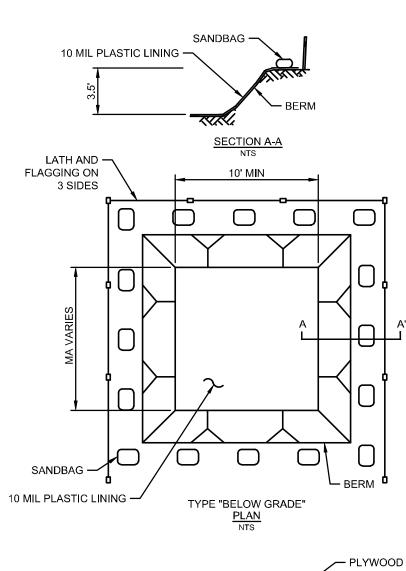
IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

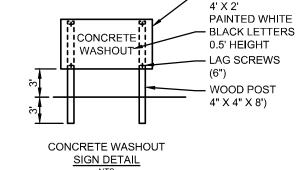
- 1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO
- PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY. REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA
- (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED
- SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF). 6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING
- AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND
- CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.



MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE VICINITY OF THE UNIT AFTER EACH STORM EVENT. AFTER STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO DANDY SACK. IF CONTAINMENT AREA IS MORE THAN ¹/₂ FULL OF SEDIMENT. THE UNIT MUST BE EMPTIED. TO EMPTY UNIT. SIMPLY LIFT THE UNIT USING LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS, REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

DANDY SACK DETAIL N.T.S.



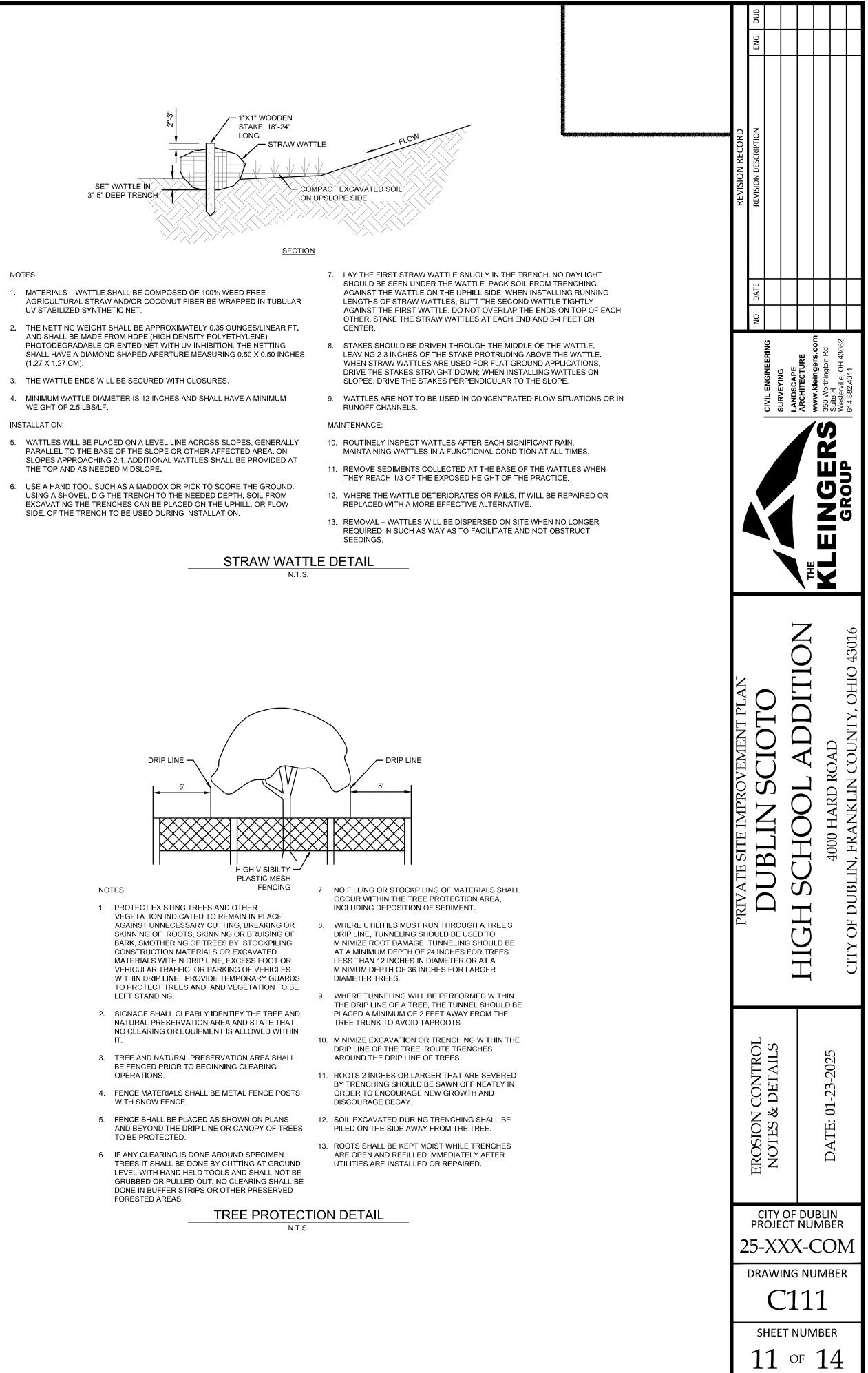


NOTES 1. ACTUAL LAYOUT DETERMINED IN THE FIELD. 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY. CONCRETE WASHOUT DETAIL

N T S

NOTES:

- UV STABILIZED SYNTHETIC NET.
- (1.27 X 1.27 CM)
- WEIGHT OF 2.5 LBS/LF. INSTALLATION:
- THE TOP AND AS NEEDED MIDSLOPE.





EROSION CONTROL

PROJECT MANAGER: MEC					
DRAWN BY: MJC					
PROJECT NUMBER: 24155.00					
PROJECT	ISSUE DATE: JANUARY 23,	2025			
REV. NO.	DESCRIPTION	DATE			

DESIGN DEVELOPMENT

614-764-4661

ARCHITECT



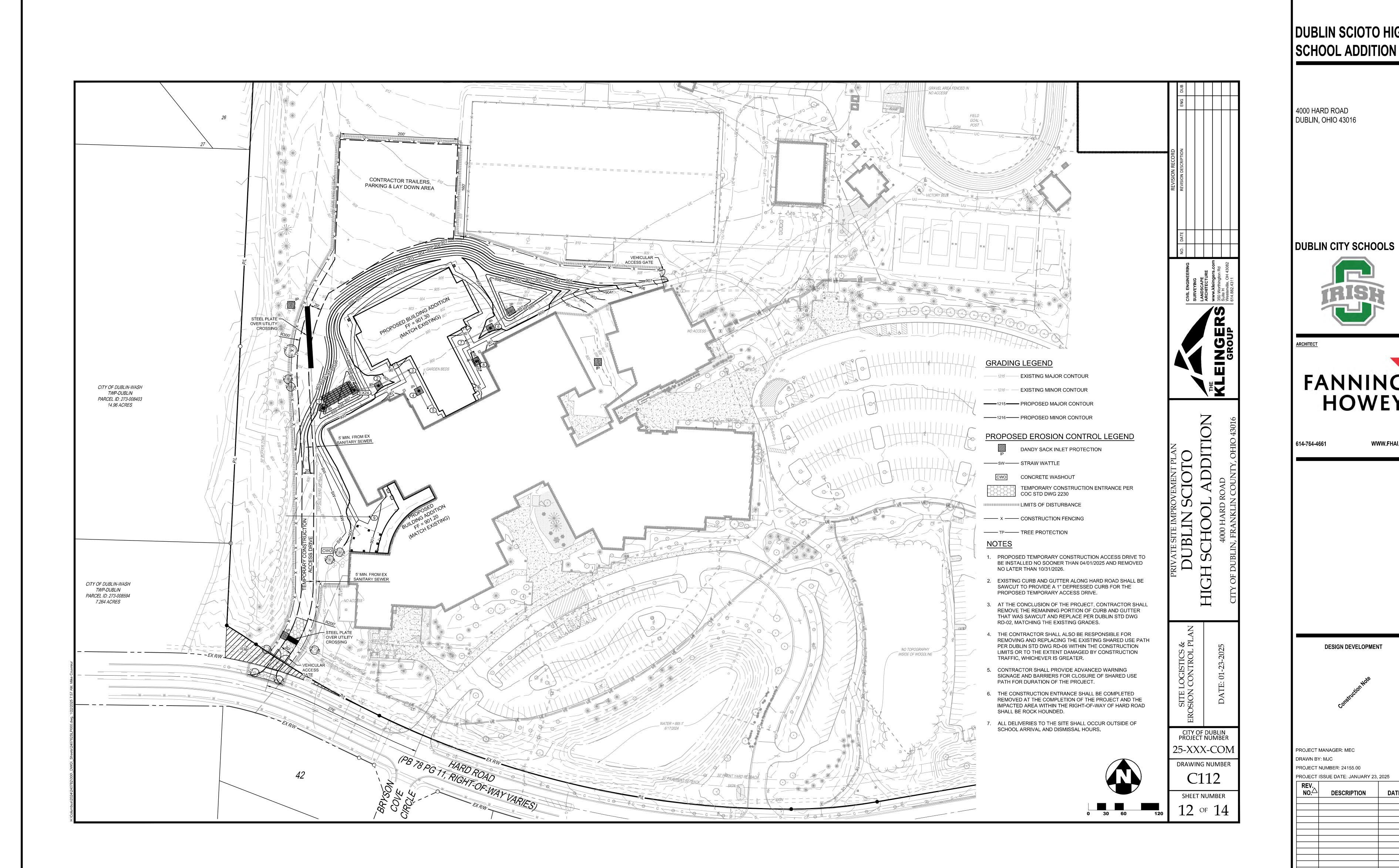
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DUBLIN CITY SCHOOLS

DUBLIN, OHIO 43016

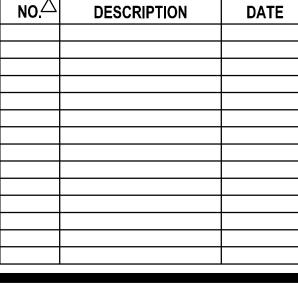
4000 HARD ROAD







SITE LOGISTICS & EROSION CONTROL PLAN



DRAWN BY: MJC PROJECT NUMBER: 24155.00 PROJECT ISSUE DATE: JANUARY 23, 2025 REV.

PROJECT MANAGER: MEC

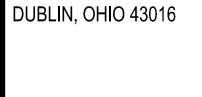
DESIGN DEVELOPMENT

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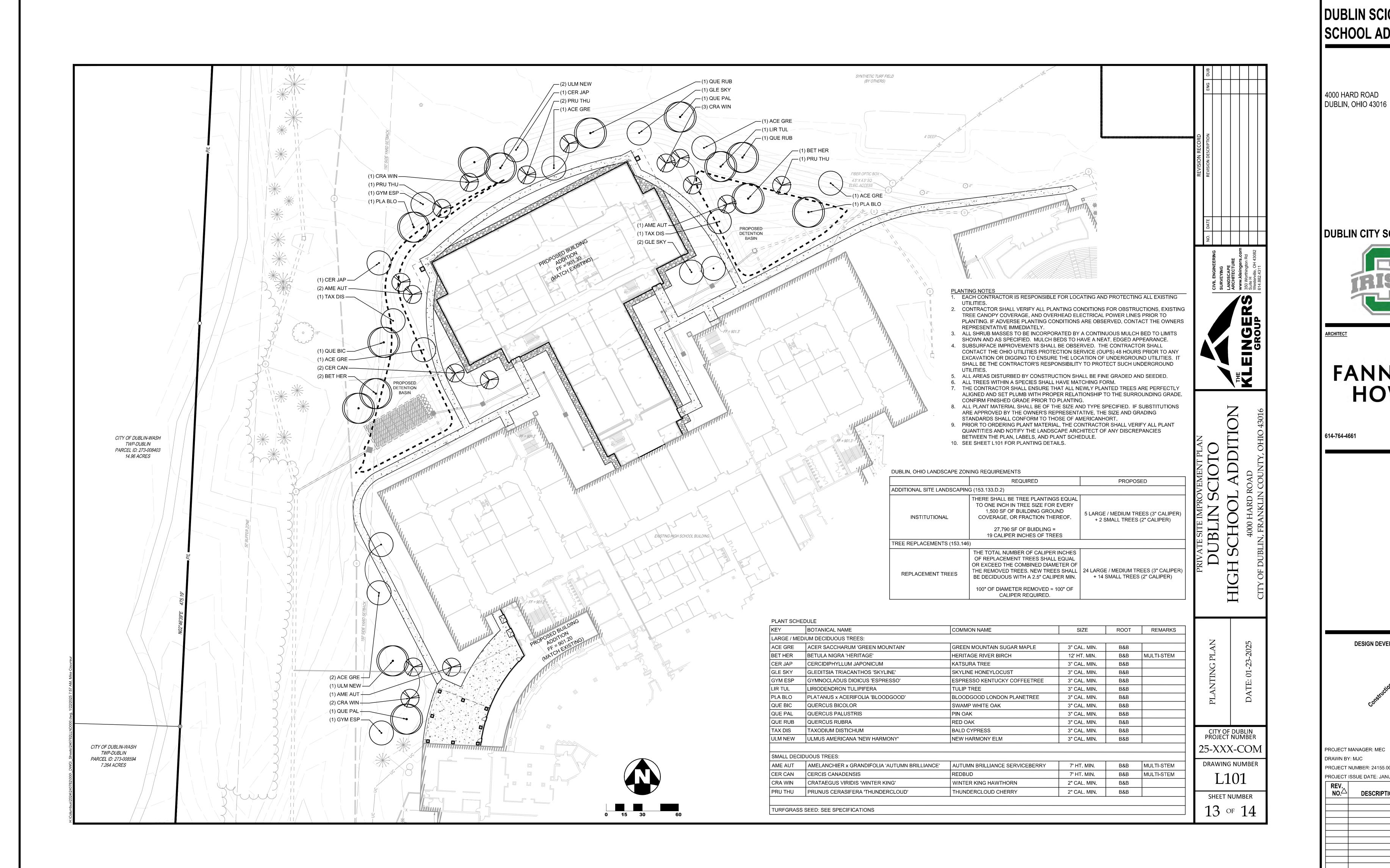
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DUBLIN SCIOTO HIGH SCHOOL ADDITION





PLANTING PLAN

DRAWN BY: MJC					
PROJECT NUMBER: 24155.00					
PROJECT ISSUE DATE: JANUARY 23, 2025					
REV. NO.	DESCRIPTION	DATE			

DESIGN DEVELOPMENT

614-764-4661

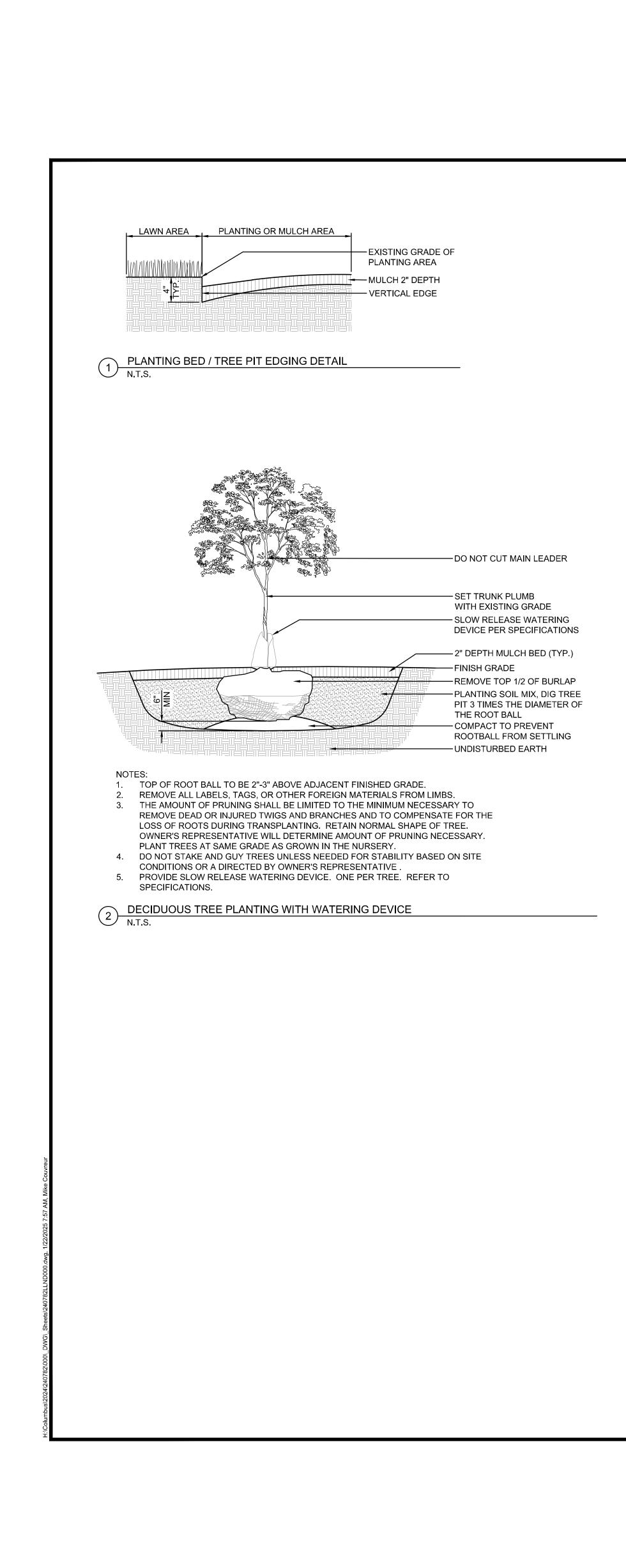
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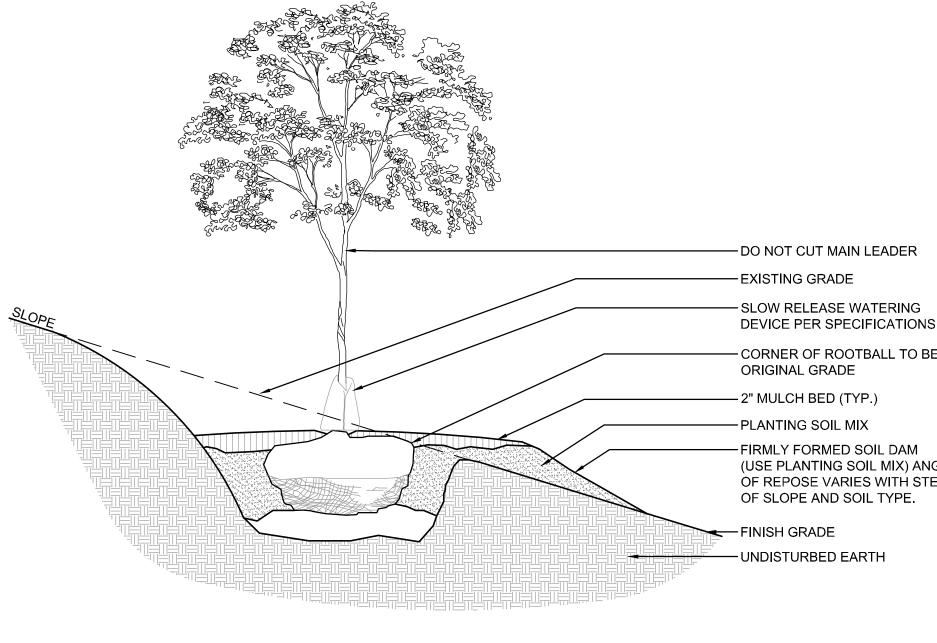


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DUBLIN CITY SCHOOLS

DUBLIN SCIOTO HIGH SCHOOL ADDITION





NOTES: 1. FOR PLANTING INSTRUCTIONS SEE DECIDUOUS TREE PLANTING DETAIL, THIS SHEET.

3 DECIDUOUS TREE PLANTING ON A SLOPE WITH WATERING DEVICE N.T.S.

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PLANTING DETAILS

1	DRAWN BY: MJC						
	PROJECT NUMBER: 24155.00						
1	PROJECT ISSUE DATE: JANUARY 23, 2025						
	REV. NO.△	DESCRIPTION	DATE				

PROJECT MANAGER: MEC

DESIGN DEVELOPMENT

614-764-4661



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4000 HARD ROAD DUBLIN, OHIO 43016

DUBLIN SCIOTO HIGH SCHOOL ADDITION