Carman Trails Elementary School

555 S Weidman Rd, Ballwin, MO 63021

Parkway Project # PN212501B

BUILDING RENOVATION & SITE IMPROVEMENTS

BID/ PERMIT SET
ISSUE DATE- NOVEMBER 12, 2026

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Fenton, MO 63026
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Contact: Ardie Mansouri
Email: amansouri@caseengineeringinc. com

MEP / FP Engineer

RTM Engineering Consultants
Project Number: 25.B00203.1926
Certificate of Authority #2002028690
3701 Lindbergh Blvd.
St Louis, MO 63127
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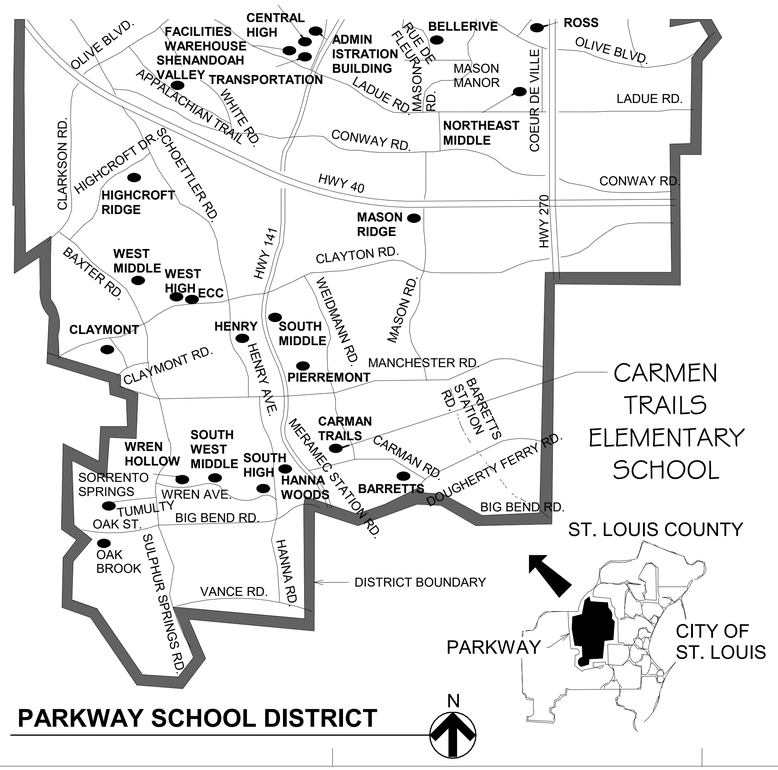
Contact: Margaret Bailey
Email: margaret.bailey@rtmec.com

Hazardous Materials Design

PINCHIN, LLC,
Project Number : R262.00457.004
Certificate of Authority #
2 Cityplace Drive, Suite 195,
St. Louis, Missouri 63141
314.230.0182 tel
Contact: Megan Kienker
Email: Megan.Kienker@pinchin.com

PROJECT SITE



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Carman Trails Elementary School
555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd., Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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STATE OF MISSOURI
MICHELLE R. WELLS
NUMBER A-2021031961
ARCHITECT
11/12/26

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DATE: 11/12/2026

BID/ PERMIT SET

COVER

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PARKWAY SCHOOL DISTRICT
CARMAN TRAILS ELEMENTARY SCHOOL

A TRACT OF LAND BEING E-21 ELEMENTARY, PARKWAY SCHOOL DISTRICT, A SUBDIVISION AS RECORDED IN PLAT BOOK 173, PAGE 100, SITUATED IN SECTION 6, TOWNSHIP 44 NORTH, RANGE 5 EAST, UNINCORPORATED ST. LOUIS COUNTY, MISSOURI

CONSTRUCTION DOCUMENTS



LOCATION MAP
(NOT TO SCALE)

PERTINENT DATA

OWNER	=	PARKWAY SCHOOL DISTRICT
SITE ADDRESS	=	555 S WEIDMAN RD BALLWIN, MO 63021
SITE ACREAGE	=	±13.22 AC
DISTURBED LAND	=	1.23±
MUNICIPALITY	=	UNINCORPORATED
EXISTING ZONING	=	R2
PROPOSED ZONING	=	R2
LOCATOR NUMBER	=	23Q320428
SCHOOL DISTRICT	=	PARKWAY
WATERSHED	=	GRAND GLAIZE CREEK
FEMA MAP PANEL	=	29189C0303K, DATE: 2/4/2015

UTILITIES

SEWER SERVICE = METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET ST.
ST. LOUIS, MO 63103
PH. (314) 768-6260

FIRE DISTRICT = WEST COUNTY EMS & FIRE PROTECTION DISTRICT
223 HENRY AVE.
MANCHESTER, MO 63011
PH. (636) 256-2000

WATER SERVICE = MISSOURI AMERICAN WATER
727 CRAIG ROAD
ST. LOUIS, MO 63141
PH. (314) 996-2244

GAS SERVICE = SPIRE
4118 SHREWSBURY AVE.
ST. LOUIS, MO. 63119
PH. (800) 887-4173

ELECTRIC SERVICE = AMEREN MISSOURI (UNION ELECTRIC COMPANY)
12121 DORSETT RD.
MARYLAND HEIGHTS, MO 63043
PH. (314) 992-8950

TELECOM SERVICE = SPECTRUM (CHARTER COMMUNICATIONS)
101 NORTHWEST PLAZA
ST. ANN, MO 63074
PH. (833) 267-6097

TELECOM SERVICE = AT&T
402 N. 3RD ST.
ST. CHARLES, MO 63301
PH. (636) 795-3754

LEGEND

EXISTING		PROPOSED
460 459	CONTOURS	460 459 (TOP OF CURB) 621.25 (FINISH PAVEMENT)
+620.15	SPOT GRADE	
	TREE LINE	
8"	TREE	
	BUSH	
	STORM MANHOLE	
	AREA INLET	
	CURB INLET	
	GRATED INLET	
	FLARED END SECTION	
12" RCP	STORM SEWER	
	GRATED MANHOLE	
69	STORM DESIGNATOR	22
DS	DOWNSPOUT	
DP	DRAINAGE PIPE	
	SWALE/SLOPE INDICATOR	
S	SANITARY MANHOLE	
8"VCP	SANITARY SEWER	SS
	CLEAN OUT	CO
A	SANITARY DESIGNATOR	A
	UTILITY POLE	
	GUIDE WIRE	
OU	OVERHEAD UTILITY	OU
UE UE	UNDERGROUND ELECTRIC	UE UE
	ELECTRIC MARKER	
	ELECTRIC METER	
	ELECTRIC BOX	
EPB	ELECTRIC PULL BOX	
	ELECTRIC TRANSFORMER	
E	ELECTRIC MANHOLE	
UT	UNDERGROUND TELEPHONE	UT
	FIBER OPTIC MARKER	
	CABLE MARKER	
G	GAS LINE	G
	GAS VALVE	GV
	GAS METER	GM
	GAS MARKER	
W	WATER LINE	W
	WATER VALVE	WV
	WATER METER	
	FIRE HYDRANT	
	SIGN	
	MAIL BOX	
B-1 405.5	TEST HOLE	
	LIGHT STANDARD	
X X X X	FENCE	X X
B	BOLLARD	
	RETAINING WALL	
	CONCRETE PAVEMENT	
	SILTATION FENCE	
	AIR CONDITIONER	
	FLAG POLE	
	MONITORING WELL	
PM	PARKING METER	
	PLANTER	
SCB	SPRINKLER CONTROL BOX	
SHD	SPRINKLER	
SVLV	SPRINKLER VALVE	
	TRAFFIC CONTROL BOX	
	TRAFFIC POLE	
	YARD LIGHT	
	GUARD RAIL	
	PROPERTY LINE	
	EASEMENT	
	SETBACK	
	INLET PROTECTION	
	WATTLE	
	CHECK DAM	
	USE IN PLACE	(UIP)
	TO BE REMOVED	(TBR)
	ADJUST TO GRADE	(ATG)
	TO BE REMOVED & RELOCATED	(TBR&R)
	TYPICAL	(TYP)
	NOT TO SCALE	N.T.S.
	HIGH POINT IN GRADE	HP
	LOW POINT IN GRADE	LP
	TOP OF WALL	TW
	BOTTOM OF WALL	BW
	NOT IN CONTRACT	(NIC)

SCALE: 3/4" = 1'-0" (0, 0.25', 0.5', 1')
SCALE: 1/2" = 1'-0" (0, 0.5', 1', 2')
SCALE: 1" = 1'-0" (0, 0.5', 1', 2')
SCALE: 1/8" = 1'-0" (0, 4', 8', 16')
SCALE: 1/4" = 1'-0" (0, 2', 4', 8')
SCALE: 1/2" = 1'-0" (0, 1', 2', 4')
SCALE: 1/16" = 1'-0" (0, 8', 16', 32')

USER: Patrick, Barry TAB: C1.0 COVER SHEET
DATE: November 6, 2026 - 8:29:47 AM
DRAWING: S:\JOBS\Jobs2026\26-0051\CADD\C-Plan\PlotSheets\G_PLAN_COVER-SPEC_26-0051.dwg

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LIMITS OF DISTURBANCE:

THE CONTRACTOR SHALL STAY WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS AND MINIMIZE DISTURBANCE WITHIN THE WORK AREA WHEREVER POSSIBLE.

STORMWATER MANAGEMENT FUTURE DISTURBANCE NOTE:

LAND AREA DISTURBED = ±1.23 ACRES
DIFFERENTIAL RUNOFF = +0.51 CFS

ANY FUTURE LAND DISTURBANCE AND/OR INCREASE IN IMPERVIOUS AREA ON THIS SITE MAY REQUIRE ADDITIONAL STORMWATER MANAGEMENT PER MSD REGULATIONS IN PLACE AT THAT TIME (INCLUDING TOTAL LAND DISTURBANCE AND/OR IMPERVIOUSNESS ADDED ON THIS PLAN).

UTILITY INFORMATION

UTILITIES SHOWN HAVE BEEN TAKEN FROM AVAILABLE SURVEYS, UTILITY COMPANY MAPS AND PHYSICAL PROPERTY INSPECTION. THE LOCATIONS AND FACILITIES SHALL BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE ADDITIONAL UTILITIES THAT HAVE NOT BEEN SHOWN ON THIS SURVEY. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION OR CONSTRUCTION.

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

CALL 1-800-DIG-RITE (MISSOURI ONE CALL) TO HAVE LOCATIONS MARKED IN THE FIELD (SUBSCRIBING UTILITIES REQUIRE 48 HOURS NOTICE PRIOR TO CONSTRUCTION).

SITE BENCHMARK INFORMATION

SITE BENCHMARK #88000
CUT "L" NEAR THE NORTH CORNER OF A TRIANGULAR CONCRETE WALL, LOCATED NORTHWEST OF THE MOST NORTHERN END OF SCHOOL BUILDING, APPROXIMATELY 232 FEET EAST OF THE WEST PROPERTY LINE AND 590 FEET NORTH OF THE NORTH RIGHT OF WAY LINE OF CARMAN ROAD. ELEVATION=577.98 NAVD88

SITE BENCHMARK #103
CONCRETE MONUMENT FOUND ON NORTH RIGHT OF WAY LINE OF CARMAN ROAD, APPROXIMATELY 415 FEET WEST OF THE CENTERLINE OF WEIDMAN ROAD AND 35 FEET NORTH OF CARMAN ROAD. ELEVATION=598.28 NAVD88

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Project No: 26015

Revisions

Description	Date

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STATE OF MISSOURI STANLEY EARL FOWLER JR. NUMBER PE-2020000037 PROFESSIONAL ENGINEER

CIVIL ENGINEERS
CORPORATE ENGINEERING CERTIFICATE #001165
STANLEY EARL FOWLER, JR.
CIVIL ENGINEER
PE NO: PE-2020000037
11/12/2026

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DATE: 11/12/2026

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COVER SHEET

C1.0

Save

SCALE: 3" = 1'-0" 0 0.25' 0.5' 1'

SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2'

SCALE: 1" = 1'-0" 0 0.5' 1' 2'

SCALE: 3/4" = 1'-0" 0 1' 2' 3'

SCALE: 1/2" = 1'-0" 0 1' 2' 4'

SCALE: 1/4" = 1'-0" 0 2' 4' 8'

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

SCALE: 1/16" = 1'-0" 0 8' 16' 32'

USER: Patrick Barry TAB: C2.0 SPECIFICATION SHEET
DATE: November 6, 2026 – 8:29:47 AM
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GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS AND SIZES OF ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER HAS NOT FIELD VERIFIED THE EXISTING UTILITIES. THE UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM RECORDS AND UTILITY MAPS MADE AVAILABLE TO THE ENGINEER AND THE LOCATIONS AND SIZES SHALL BE CONSIDERED APPROXIMATE ONLY. OTHER UTILITIES, NOT SHOWN ON THIS PLAN, MAY EXIST ON OR NEAR THE SITE.
2. TOPOGRAPHIC SURVEY BY COLE AND ASSOCIATES INC.
3. ALL MATERIALS AND METHODS OF CONSTRUCTION TO MEET THE CURRENT STANDARDS AND SPECIFICATIONS AS REQUIRED BY STL COUNTY.
4. ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING. EROSION CONTROL SHALL NOT BE LIMITED TO WHAT IS SHOWN ON THE PLAN. WHATEVER MEANS NECESSARY SHALL BE TAKEN TO PREVENT SILTATION AND EROSION FROM FROM ENTERING NATURAL STREAMS AND ADJACENT ROADWAYS, PROPERTIES, AND DITCHES.
5. PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE DEVELOPER FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK.
6. GRADING CONTRACTOR SHALL INSTALL SILTATION CONTROL PRIOR TO STARTING THE GRADING. ADDITIONAL SILTATION CONTROL DEVICES MAY BE REQUIRED AS DIRECTED BY STL COUNTY OR THE DEVELOPER.
7. ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS.
8. PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATIONS ON PAVED AREAS. CONTRACTOR TO GRADE ALL AREAS TO REQUIRED SUBGRADE.
9. ALL FILL PLACED FOR PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS, AND FOR DRAINAGE BERMS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL TEST SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.
10. A GRADING PERMIT IS REQUIRED PRIOR TO ANY GRADING ON THE SITE.
11. THE DEVELOPER IS REQUIRED TO PROVIDE ADEQUATE STORM-WATER SYSTEMS IN ACCORDANCE WITH STL COUNTY AND MSD STANDARDS.
12. ALL STORM-WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT.
13. THE CONTRACTOR MUST BE ON FILE WITH THE MISSOURI ONE CALL SYSTEM 1-800-344-7483.
14. ALL PROPOSED UTILITIES ON THIS SITE MUST BE LOCATED UNDERGROUND.
15. SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RAZING AND REMOVAL OF THE EXISTING STRUCTURES, INCLUDING FOUNDATIONS, RELATED UTILITIES, PAVING, UNDERGROUND FACILITIES AND ANY OTHER EXISTING IMPROVEMENTS.
17. CONTRACTOR IS TO REMOVE AND DISPOSE OF, OFF SITE, ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
18. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING ALL PHASES OF THIS DEMOLITION PLAN.
19. THE SITE IMPROVEMENT PLANS APPROVED BY STL COUNTY DOES NOT ALLOW THE REMOVAL OR CONSTRUCTION OF ANY SANITARY OR STORM SEWER LINES WITHOUT THE PRIOR APPROVAL OR CONSENT OF MSD.
20. ALL EXCAVATIONS, GRADING, OR FILLING SHALL HAVE A FINISHED GRADE NOT TO EXCEED A 4:1 SLOPE (25 PERCENT). STEEPER GRADES MAY BE APPROVED BY THE DESIGNATED OFFICIAL IF THE EXCAVATION IS THROUGH ROCK OR THE EXCAVATION OR THE FILL IS ADEQUATELY PROTECTED (A DESIGNED HEAD WALL OR TOE WALL MAY BE REQUIRED). RETAINING WALLS THAT EXCEED A HEIGHT OF FOUR (4) FEET SHALL REQUIRE THE CONSTRUCTION OF SAFETY GUARDS AS IDENTIFIED IN THE APPROPRIATE SECTION(S) OF THE ADOPTED BOCA CODES AND MUST BE APPROVED BY THE CITY BUILDING DEPARTMENT. PERMANENT SAFETY GUARDS WILL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROPRIATE SECTION(S) OF THE ADOPTED BOCA CODES.
21. ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO 90% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST ASSHTO T-99. A SOIL'S ENGINEER SHALL VERIFY ALL TESTS CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. A SEALED COPY OF THE RESULT REPORTS SHALL BE GIVEN TO THE STL COUNTY CONSTRUCTION INSPECTOR.
22. ALL PUBLIC ROADS MUST BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES. FAILURE TO DO SO WILL BE CAUSE FOR THE CITY TO SUSPEND WORK.
23. WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE REESTABLISHED IN SUCH A DENSITY AS TO PREVENT EROSION. PERMANENT SOD SHALL BE ESTABLISHED AS SOON AS POSSIBLE.
24. WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR MORE THAN 30 DAYS, PERMANENT GRASS MUST BE ESTABLISHED AT SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE. BETWEEN PERMANENT GRASS SEEDING PERIODS, TEMPORARY COVER SHALL BE PROVIDED ACCORDING TO THE DESIGNATED OFFICIAL'S RECOMMENDATION.
25. ALL FINISHED GRADES (AREAS NOT TO BE DISTURBED BY FUTURE IMPROVEMENT) IN EXCESS OF 20% SLOPES (5:1) SHALL BE MULCHED AND TACKED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET WHEN SEEDED.
26. RUNOFF WATER FROM DEVELOPED AREAS (PARKING LOTS, PAVED SITES, AND BUILDINGS) ABOVE THE AREA TO DEVELOP SHALL BE DIRECTED TO DIVERSIONS, DETENTION BASINS, CONCRETE GUTTERS AND/OR UNDERGROUND OUTLET SYSTEMS. SUFFICIENTLY ANCHORED STRAW BALES MAY BE TEMPORARILY SUBSTITUTED WITH THE APPROVAL OF THE DESIGNATED OFFICIAL.
27. ALL CONSTRUCTION METHODS AND PRACTICES TO CONFORM WITH OSHA STANDARDS.
28. ANY RETAINING WALLS REFERRED TO IN THESE PLANS ARE SHOWN FOR REFERENCE ONLY AND ARE NOT TO BE INTERPRETED AS DESIGN OF THE WALL SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING A WALL MANUFACTURER CAPABLE OF DESIGNING THE SITE SPECIFIC RETAINING WALLS, INCLUDING GLOBAL STABILITY ANALYSIS, INDEPENDENT OF THIS SET OF PLANS. A SEPARATE BUILDING PERMIT MAY BE REQUIRED FOR EACH WALL.
29. CONTRACTOR SHALL BID THESE PLANS AND SPECIFICATIONS IN THEIR ENTIRETY (COMPLETE SETS).
30. OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS OR THE MISDESCRIPTION OF DETAILS OF WORK THAT ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR THAT ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MISDESCRIBED DETAILS OF THE WORK. THE CONTRACTOR SHALL PERFORM SUCH DETAILS AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.

STORM SEWER NOTES

1. ALL STORM AND SANITARY SEWER STRUCTURES AND APPURTENANCES TO BE DEDICATED TO MSD, OR TO BE PRIVATE UNDER MSD INSPECTION, SHALL CONFORM TO THE METROPOLITAN ST. LOUIS SEWER DISTRICT, STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES, 2023. THAT WILL INCLUDE STANDARD DETAILS SHOWN THEREIN, AND SHALL INCLUDE ALL SUBSEQUENT CHANGES MADE THERETO.
2. FOR SEWER PIPE (STORM, SANITARY, OR COMBINED) WITH A DESIGN GRADE LESS THAN ONE PERCENT (1%), VERIFICATION OF THE PIPE GRADE WILL BE REQUIRED FOR EACH INSTALLED REACH OF SEWER, PRIOR TO ANY SURFACE RESTORATION OR INSTALLATION OF ANY SURFACE IMPROVEMENTS. THE CONTRACTOR'S FIELD SUPERVISOR WILL BE REQUIRED TO PROVIDE DAILY DOCUMENTATION VERIFYING THAT THE AS-BUILT PIPE GRADE MEETS THE DESIGN GRADE THROUGH THE SUBMITTAL OF SIGNED CUT SHEETS TO THE MSD INSPECTOR UPON REQUEST. FIELD SURVEYED VERIFICATION MUST BE MADE UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR OR REGISTERED ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE ANY SEWER REACH HAVING AN AS-BUILT GRADE WHICH IS FLATTER THAN THE DESIGN GRADE BY MORE THAN 0.1%. SEWER WITH GRADES GREATER THAN THE DESIGN SLOPE MAY BE LEFT IN PLACE, PROVIDED NO OTHER SEWER GRADE IS REDUCED BY THIS VARIANCE IN THE AS-BUILT GRADE. MSD ALSO RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO REMOVE AND REPLACE ANY SEWER (AT ANY TIME PRIOR TO CONSTRUCTION APPROVAL) FOR WHICH THE AS-BUILT GRADE DOES NOT COMPLY WITH THE GRADE TOLERANCE STATED IN THE ABOVE PARAGRAPH. THE SEWER CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE FIELD VERIFICATION OF THE SEWER GRADE, OR REMOVAL AND REPLACEMENT OF THE SEWER PIPE OR ASSOCIATED APPURTENANCES.
3. MAINTENANCE OF THE SEWERS DESIGNATED AS "PUBLIC" SHALL BE THE RESPONSIBILITY OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT UPON DEDICATION OF THE SEWERS TO THE DISTRICT.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS AND SIZES OF ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER HAS NOT FIELD VERIFIED THE EXISTING UTILITIES. THE UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM RECORDS AND UTILITY MAPS MADE AVAILABLE TO THE ENGINEER AND THE LOCATIONS AND SIZES SHALL BE CONSIDERED APPROXIMATE ONLY. OTHER UTILITIES, NOT SHOWN ON THIS PLAN, MAY EXIST ON OR NEAR THE SITE
5. ALL FILL AREAS, INCLUDING TRENCH BACKFILLS, UNDER BUILDINGS, PROPOSED STORM AND SANITARY SEWER LINES, AND PAVED AREAS SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT OF "MODIFIED PROCTOR". FILL IS TO BE PLACED IN A MAXIMUM OF 9-INCH LIFTS. TESTS SHALL BE TAKEN AT A MAXIMUM OF 50-FOOT INTERVALS ALONG THE ROUTE OF THE PIPE; AT A MAXIMUM OF 2-FOOT VERTICALLY; AND LATERALLY ON EACH SIDE OF THE PIPE, AT A DISCHARGE EQUAL TO THE DEPTH OF FILL OVER THE PIPE. A COPY OF THESE RESULTS WILL BE SUBMITTED TO MSD PRIOR TO CONSTRUCTION APPROVAL.
6. ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL 90% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION UP TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99 . ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS PER GEOTECHNICAL REPORT.
7. TYPE "C" BEDDING PER M.S.D. STANDARDS IS REQUIRED FOR ALL PIPES IN ROCK EXCEPT AS NOTED.
8. ALL TRENCHES IN AREAS TO BE PAVED AND UNDER EXISTING PAVEMENT OR WITHIN PUBLIC R.O.W. SHALL BE GRANULARLY BACKFILLED WITH 3/4-INCH MINUS CRUSHED LIMESTONE IN ACCORDANCE WITH 2023 M.S.D. STANDARDS.
9. THE SOILS ENGINEER WILL VERIFY THAT ALL COMPRESSIBLE MATERIAL HAS BEEN REMOVED PRIOR TO FILL PLACEMENT AND THAT ALL FILL UNDER STORM AND SANITARY SEWER LINES CONSTRUCTED ABOVE ORIGINAL GRADE, HAS BEEN COMPACTED TO 90% OF "MODIFIED PROCTOR". FILL IS TO BE PLACED IN A MAXIMUM 9" LIFTS. TESTS SHALL BE TAKEN AT A MAXIMUM OF 50' INTERVALS ALONG THE ROUTE OF THE PIPE, AT A MAXIMUM OF 2' VERTICAL, AND LATERALLY ON EACH SIDE OF THE PIPE, AT A DISTANCE EQUAL TO THE DEPTH OF FILL OVER THE PIPE. A COPY OF THESE RESULTS WILL BE SUBMITTED TO M.S.D. PRIOR TO CONSTRUCTION.
10. ANY ABANDONED SEWERS SHALL BE REMOVED OR COMPLETELY GROUT FILLED.
11. THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.
12. STORMWATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT DISCHARGE POINTS.
13. PRIOR TO OBTAINING A CONSTRUCTION PERMIT FROM THE METROPOLITAN ST. LOUIS SEWER DISTRICT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE DISTRICT WITH A COPY OF AN EXECUTED CERTIFICATE OF INSURANCE INDICATING THAT THE PERMITTEE HAS OBTAINED AND WILL CONTINUE TO CARRY COMMERCIAL GENERAL LIABILITY AND COMPREHENSIVE AUTO LIABILITY INSURANCE. THE REQUIREMENTS AND LIMITS SHALL BE AS STATED IN THE "RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY AND STORMWATER DRAINAGE FACILITIES." SECTION 10-090 (ADDENDUM).
14. PIPE JOINTS WITH ADAPTERS AND COUPLINGS SHALL BE SUPPLIED AND INSTALLED WITH 316 STAINLESS STEEL NUT AND BOLT CLAMPS (T-BOLT) CONFIGURATION; AND WITH STAINLESS STEEL SHEAR BANDS, BEING A MINIMUM OF TWELVE (12) MILS (MSD STD. CONST SPECS. PT. 2, SUBSECTION H11). WORM DRIVE HOSE CLAMPS AND CONCRETE BACKFILLING (CAUSTICITY) WILL NO LONGER BE ALLOWED AT THOSE JOINTS. GRANULAR BACKFILL SHOULD BE USED. IF FLOWABLE FILL IS REQUIRED, THE CONTRACTOR SHALL WRAP AND TAPE THE ADAPTERS AND COUPLINGS WITH A SIX (6) MIL POLYETHYLENE SHEET.
15. TRENCH BACKFILL COMPACTION AND TESTING REQUIREMENTS: THE CONTRACTOR IS TO REFER TO PART 4, SECTION H OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT, STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES, 2023 EDITION, TO ESTABLISH THE REQUIREMENTS FOR THE SPECIFIC TYPE OF BACKFILL BEING USED.

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314.415.8231 tel

Project No: 26015

Revisions

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11/12/2026

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SPECIFICATION SHEET

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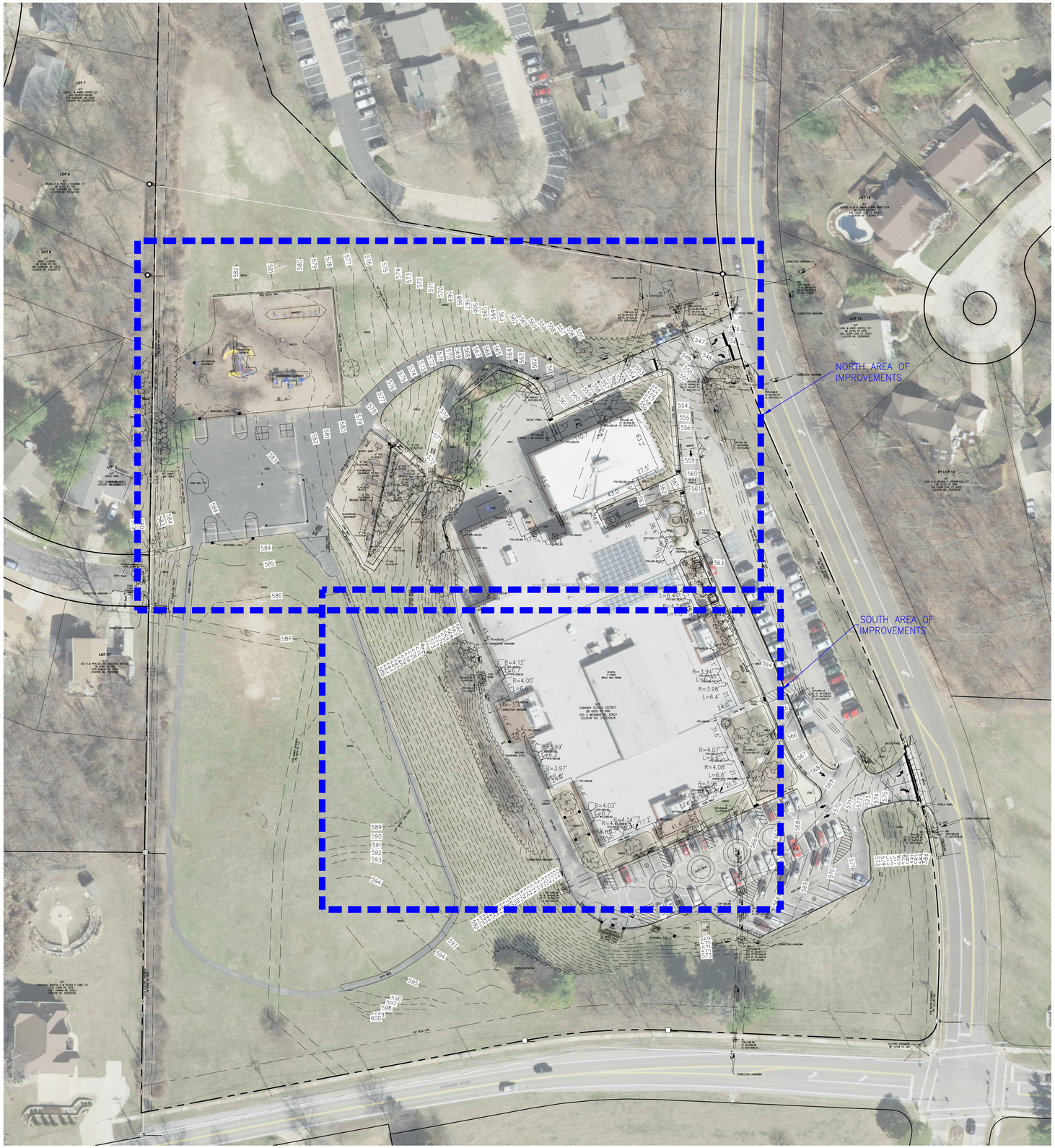

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OVERALL EXISTING CONDITIONS

C3.0

20' 0' 20' 40'
SCALE: 1" = 20'

LEGEND

EXISTING PAVEMENT/SIDEWALK/RAMP/CURB TO BE REMOVED

PROPERTY LINE

PORTION OF EXISTING CHAIN-LINK FENCE TO BE REMOVED AND REINSTALLED IN LIKEKIND AS NEEDED FOR NEW STORM SEWER INSTALL (SEE UTILITY PLAN)

PORTION OF EXISTING MODULAR BLOCK WALL TO BE REMOVED AND REPLACED IN LIKEKIND AS NEEDED FOR NEW STORM SEWER INSTALL (SEE UTILITY PLAN)

EXISTING CONCRETE PAVEMENT AND CURB TO BE REMOVED AND REPLACED TO NEAREST JOINTS FOR NEW STORM SEWER INSTALL

EXISTING MODULAR BLOCK WALL TO BE REMOVED

EXISTING BENCH TO REMAIN AND BE TURNED TOWARDS THE INSIDE OF THE PLAYGROUND. COORDINATE FINAL PLACEMENT WITH PSD.

EXISTING CONCRETE SIDEWALK TO BE REMOVED AND REPLACED

EXISTING CONCRETE PAVEMENT TO BE REMOVED AND REPLACED AS REQUIRED FOR NEW RETAINING WALL. SAWCUT TO BE 5' MINIMUM OFF THE FACE OF WALL OR REPLACE TO EXISTING JOINTS

EXISTING MODULAR BLOCK WALL TO BE REMOVED

EXISTING CHAIN LINK FENCE TO BE REMOVED AND EXISTING HOLES TO BE FILLED

PROPERTY LINE

REMOVE TO NEAREST JOINT AT PROPERTY LINE

EXISTING CONCRETE SIDEWALK (021-SID-025) TO BE REMOVED AND REPLACED

EXISTING CONCRETE SIDEWALK TO BE REMOVED AND REPLACED

EXISTING BENCHES TO BE REMOVED AND RELOCATED TO THE WEST SIDE OF THE LARGE PLAYGROUND (SEE SITE PLAN). BENCH RELOCATION TO BE COORDINATED WITH PSD.

SAWCUT (TYP)

EXISTING CONCRETE CURB AND CONCRETE SIDEWALK (021-SID-005) TO BE REMOVED AND REPLACED (TYP)

EXISTING CONCRETE RAMPS THAT WERE RECENTLY REPLACED TO REMAIN

EXISTING CONCRETE APRON TO BE REMOVED AND REPLACED

EXISTING ASPHALT PAVEMENT (021-PAV-006) TO BE REMOVED AND REPLACED

EXISTING ASPHALT CURB TO BE REMOVED AND REPLACED WITH CONCRETE CURB

EXISTING RAMP (021-ERP-003) AND LANDING TO BE REMOVED AND REPLACED

EXISTING RAMPS (021-ERP-005) (021-ERP-004) TO BE REMOVED AND REPLACED

EXISTING ASPHALT CURB TO BE REMOVED

EXISTING SHED AND CONCRETE PAD TO REMAIN IN PLACE

EXISTIING TRANSFORMER (UIP)

EXISTING BOLLARD TO BE REMOVED AND REPLACED

EXISTING CONCRETE PAVEMENT (021-PAV-007) TO BE REMOVED AND REPLACED

EXISTING SINK TO BE REMOVED AND REINSTALLED AS REQUIRED FOR ASPHALT REMOVAL AND REPLACEMENT

EXISTING ASPHALT PAVEMENT (021-PAV-008) TO BE REMOVED AND REPLACED WITH CONCRETE PAVEMENT

EXISTING CONCRETE SIDEWALK (021-SID-006) TO BE REMOVED AND REPLACED

E-21 ELEMENTARY SCHOOL, PARKWAY SCHOOL DISTRICT
PB 173 PG 100

SCALE: 3/4" = 1'-0"
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SCALE: 1" = 1'-0"
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DATE: November 6, 2026 – 8:30:00 AM
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NORTH DEMOLITION PLAN

C4.0

Save

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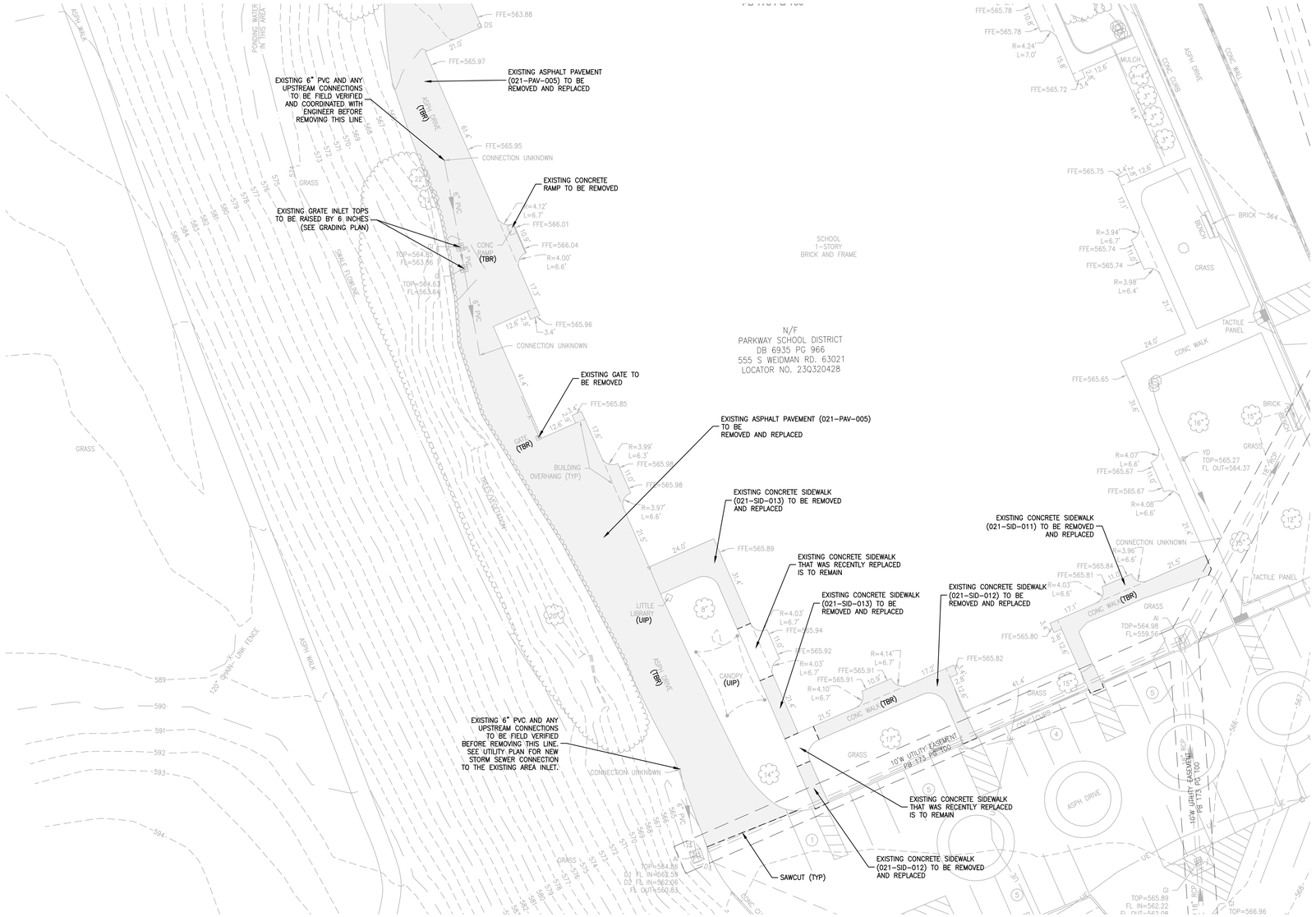
LEGEND

EXISTING PAVEMENT/SIDEWALK/RAMP/CURB TO BE REMOVED



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SOUTH DEMOLITION PLAN

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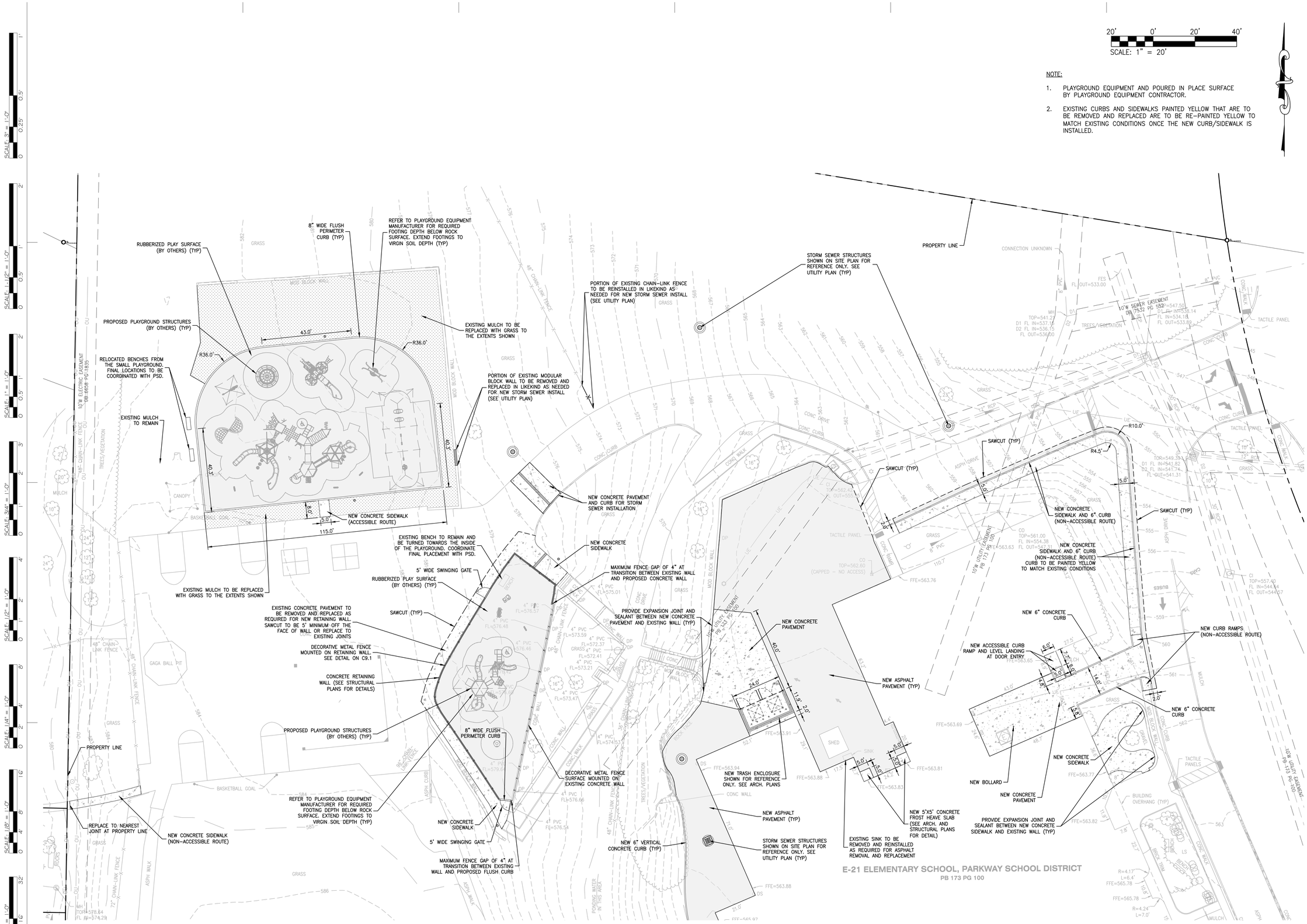

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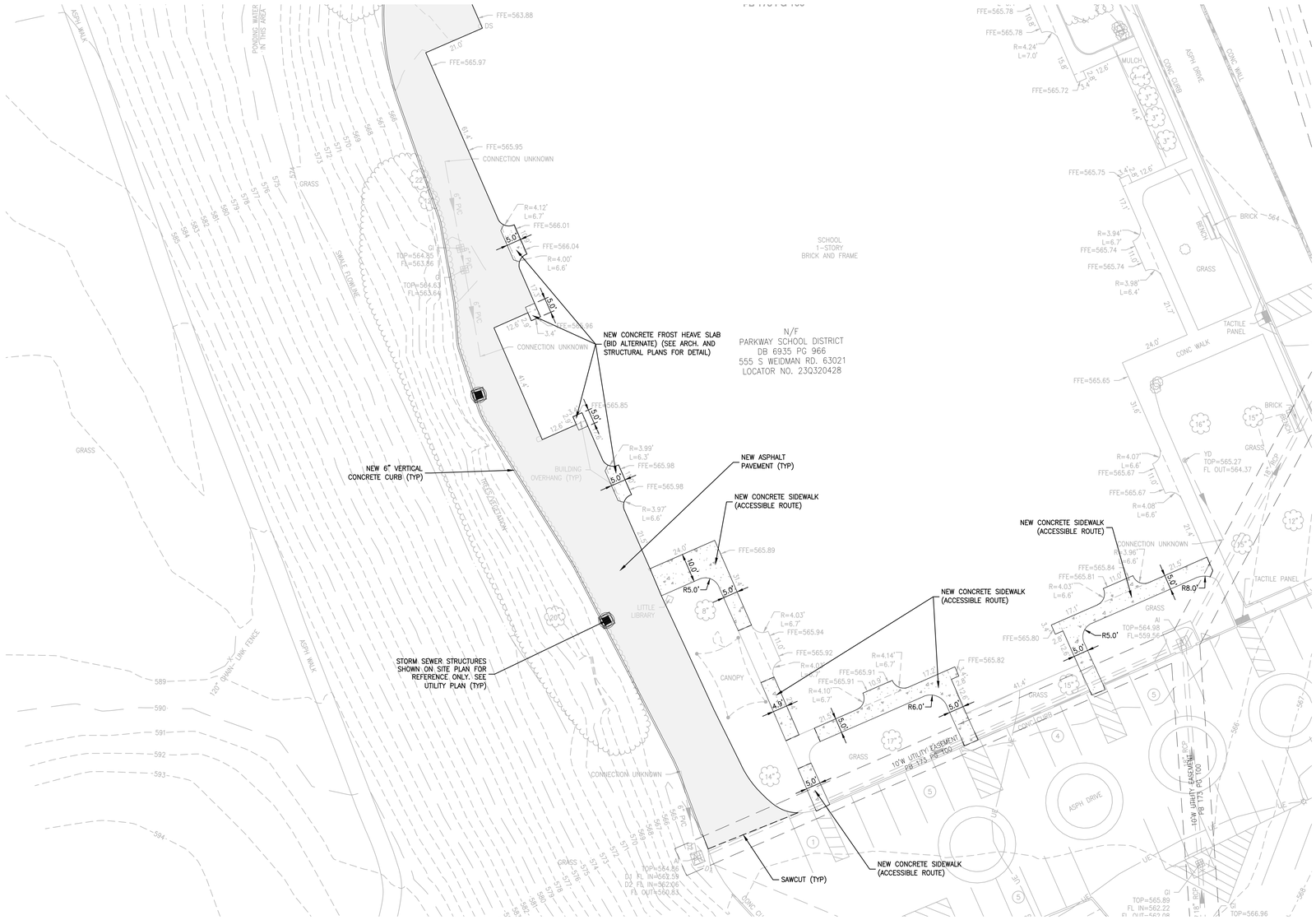

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314.984.9887 tel

CASE ENGINEERING, Inc.
Structural Engineer
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Fenton, MO 63026
636.349.1600 tel

RTM Engineering Consultants
MEP / FP Engineer
Project Number: 25.B00203.1926
Certificate of Authority #2002028690
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St Louis, MO 63127
314.725.5889 tel

PINCHIN, LLC
Hazardous Materials Design
Project Number : R262.00457.004
Certificate of Authority #
2 Cityplace Drive, Suite 195,
St. Louis, Missouri 63141
314.230.0182 tel
Contact: Megan Kienker
Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School

555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd., Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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STATE OF MISSOURI · STANLEY EARL FOWLER JR. · NUMBER PE-2020000037 · PROFESSIONAL ENGINEER
11/12/2026
STANLEY EARL FOWLER, JR.
CIVIL ENGINEER
PE NO: PE-2020000037

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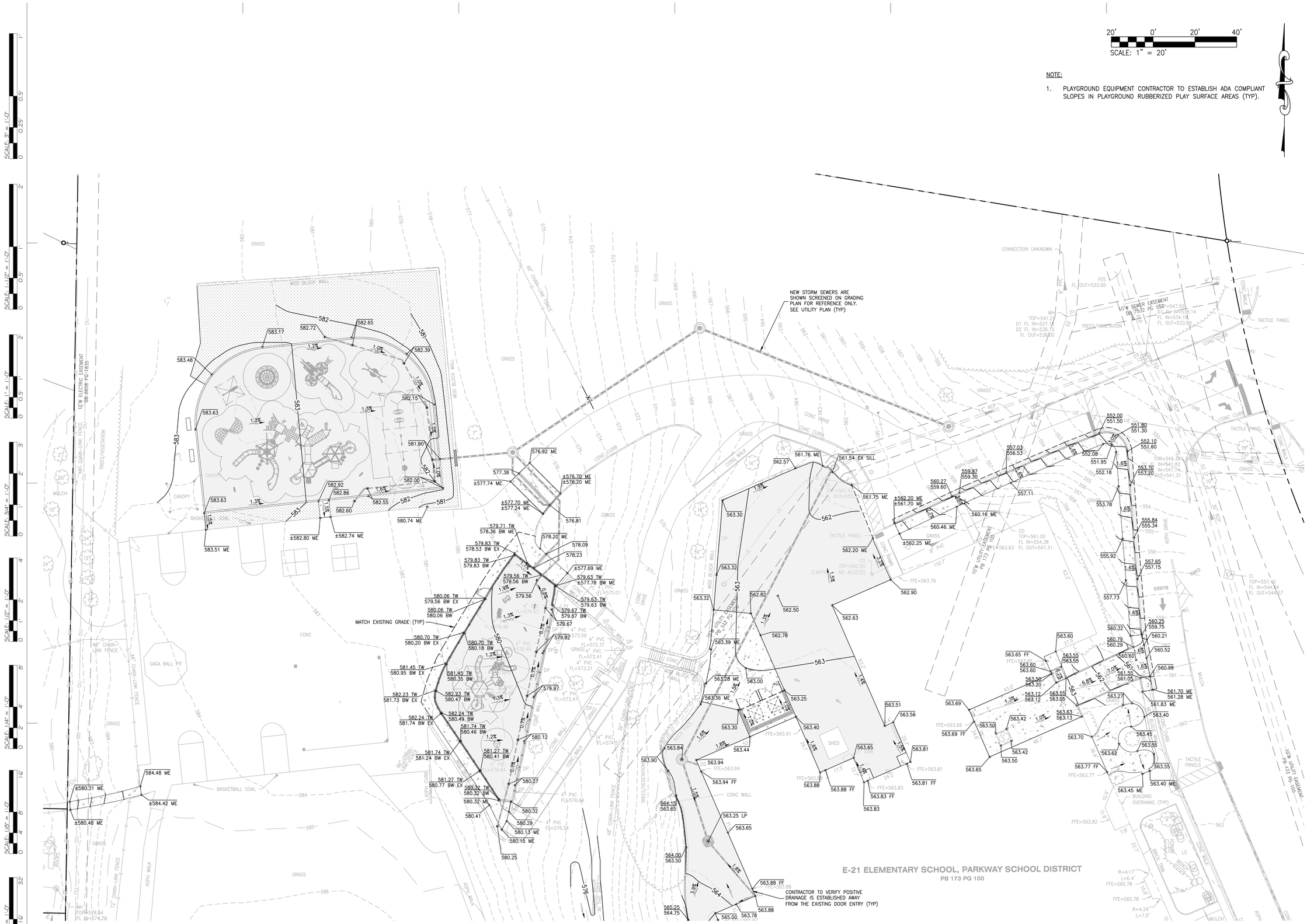
BID/ PERMIT SET

SOUTH SITE PLAN

C5.1



USER: Patrick Barry TAB: C6.0 NORTH GRADING PLAN
DATE: November 6, 2026 - 8:30:12 AM
DRAWING: S:\JOBS\Jobs2026\26-0051\CAD\C-Plan\PlotSheets\0_PLAN_SITE_26-0051.dwg

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Carman Trails Elementary School

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Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
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314.415.8231 tel

Project No: 26015

Revisions

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11/12/2026

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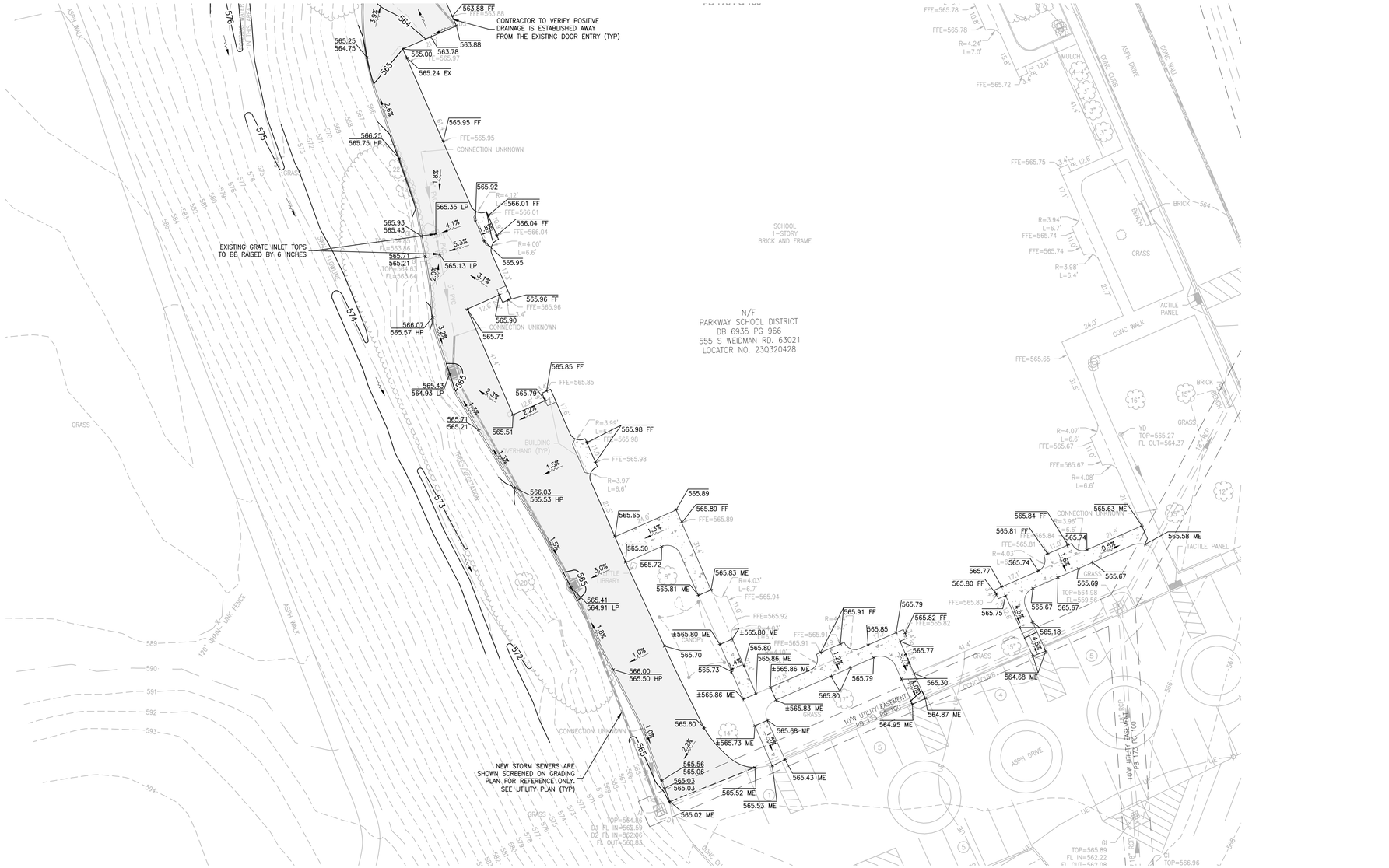
NORTH GRADING PLAN

C6.0



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SOUTH GRADING PLAN

C6.1

USER: Patrick Barry TAB: C6.1 SOUTH GRADING PLAN
DATE: November 6, 2026 - 8:30:15 AM
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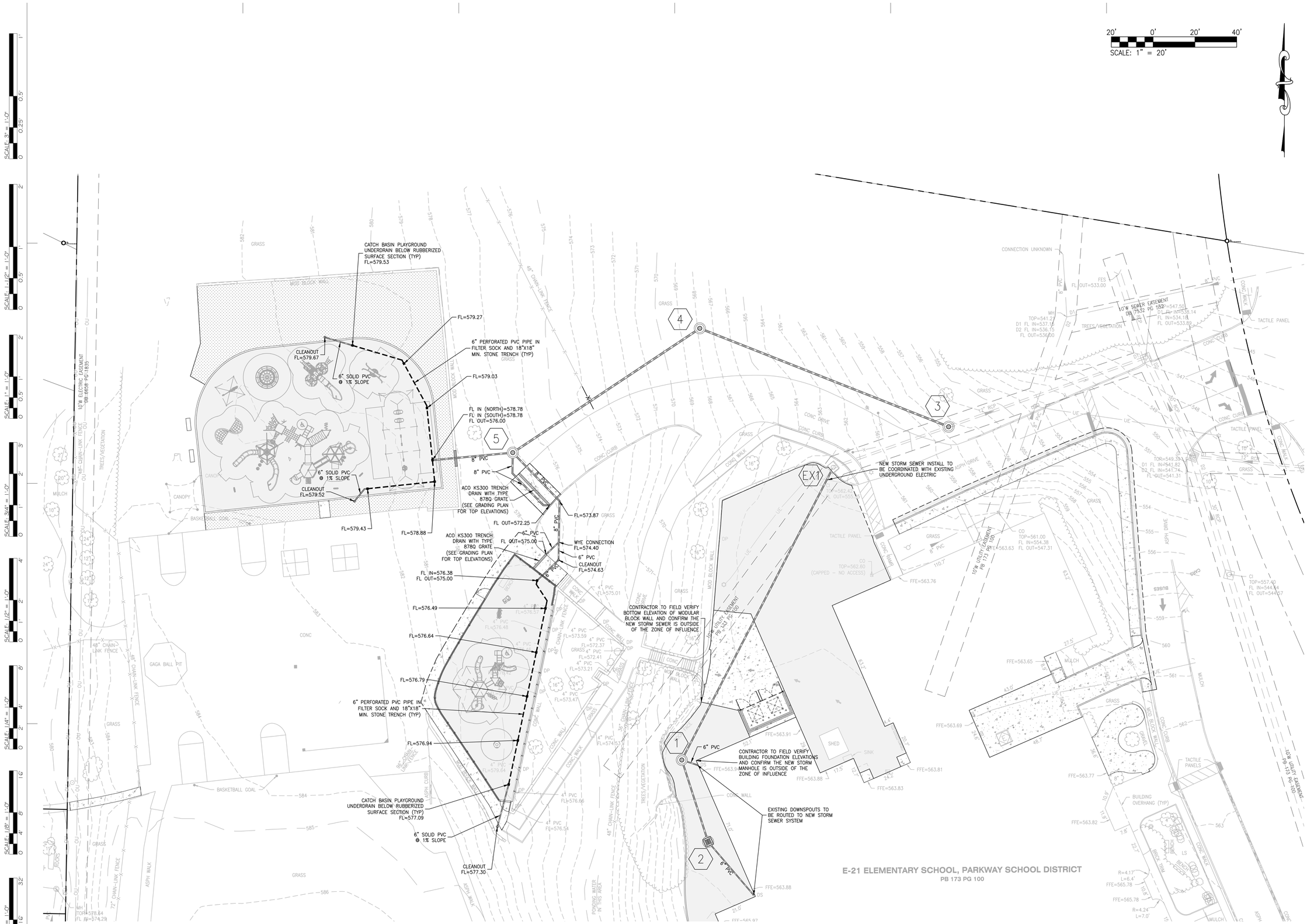

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Project No: 26015

Revisions

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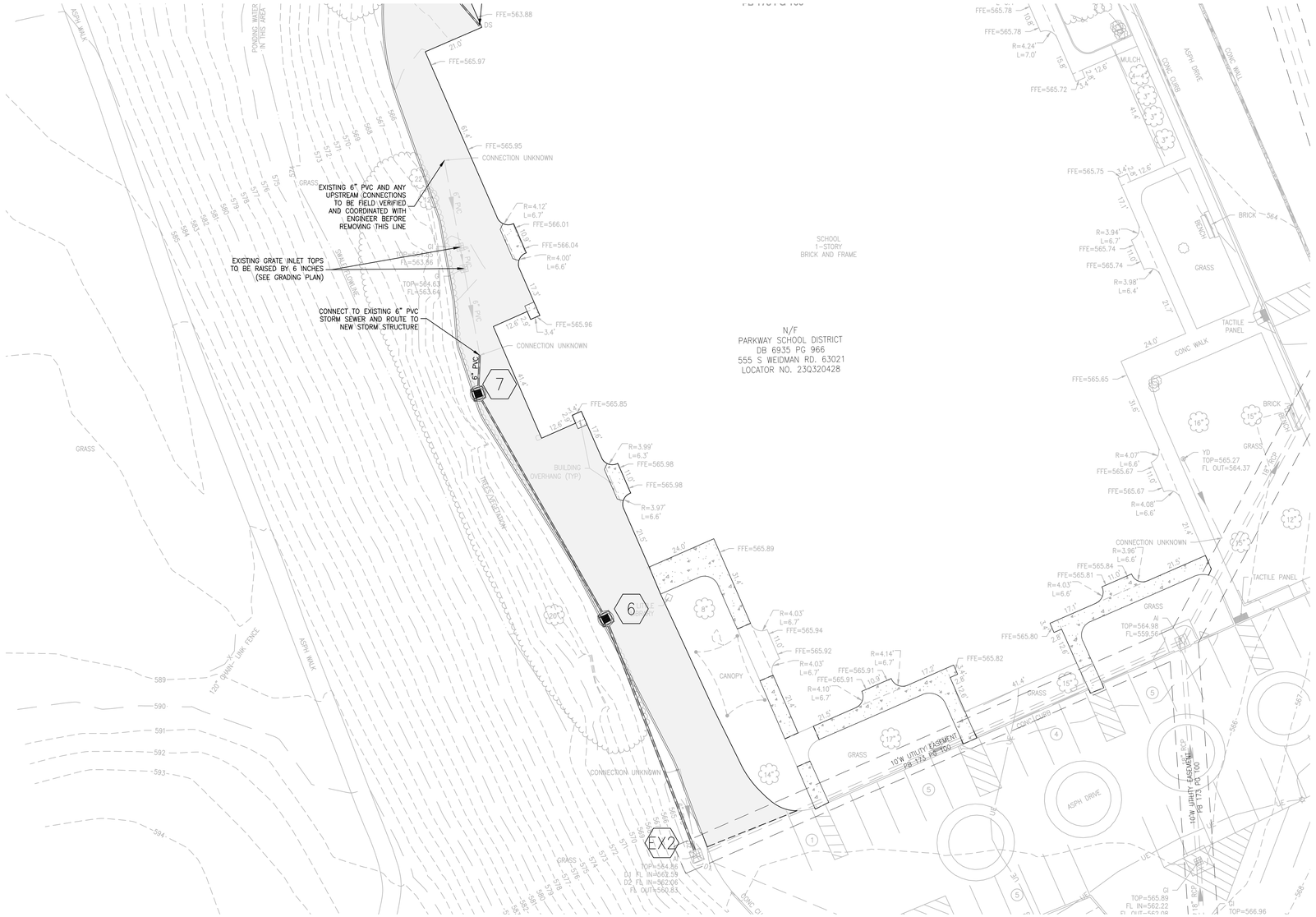
NORTH UTILITY PLAN

C7.0

USER: Patrick Barry TAB: C7.0 NORTH UTILITY PLAN
DATE: November 6, 2026 - 8:30:17 AM
DRAWING: S:\JOBS\Jobs\2026\26-0051\CADD\C-Plan\PlotSheets\C_PLAN_SITE_26-0051.dwg

SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0" SCALE: 1 1/2" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/16" = 1'-0"



20' 0' 20' 40'
SCALE: 1" = 20'

SCALE: 3" = 1'-0" (1" 0.5" 0)
SCALE: 1 1/2" = 1'-0" (2" 1" 0.5" 0)
SCALE: 1" = 1'-0" (2" 1" 0.5" 0)
SCALE: 3/4" = 1'-0" (3" 2" 1" 0)
SCALE: 1/2" = 1'-0" (4" 2" 1" 0)
SCALE: 1/4" = 1'-0" (8" 4" 2" 0)
SCALE: 1/8" = 1'-0" (16" 8" 4" 0)
SCALE: 1/16" = 1'-0" (32" 16" 8" 0)

USER: Patrick Barry TAB: C7.1 SOUTH UTILITY PLAN
DATE: November 6, 2026 - 8:30:20 AM
DRAWING: S:\JOBS\Jobs2026\26-005\CADD\C-Plan\PlotSheets\00_PLAN_SITE_26-0051.dwg

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NUMBER PE-2020000037
PROFESSIONAL ENGINEER
11/12/2026

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PE NO: PE-2020000037

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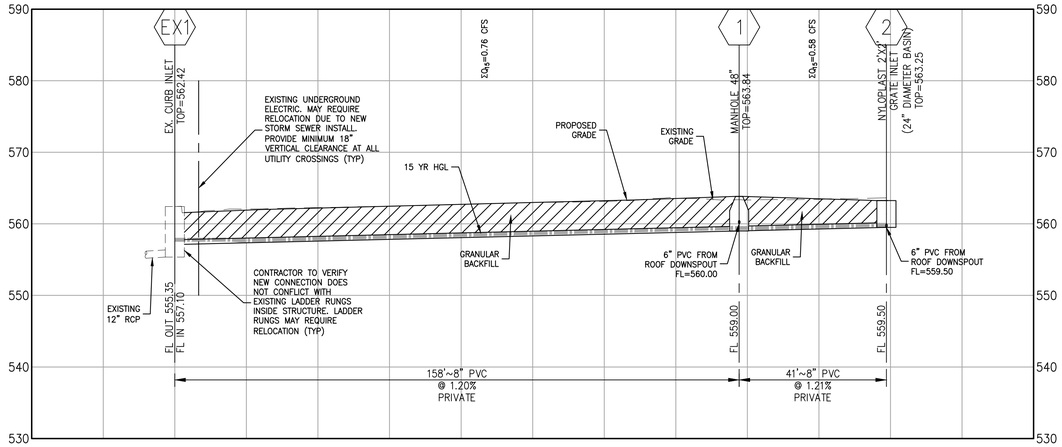
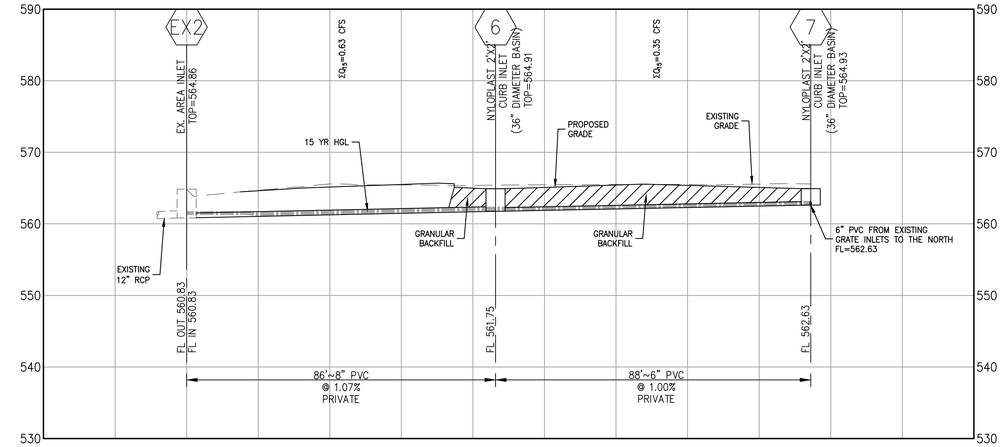
SOUTH UTILITY PLAN

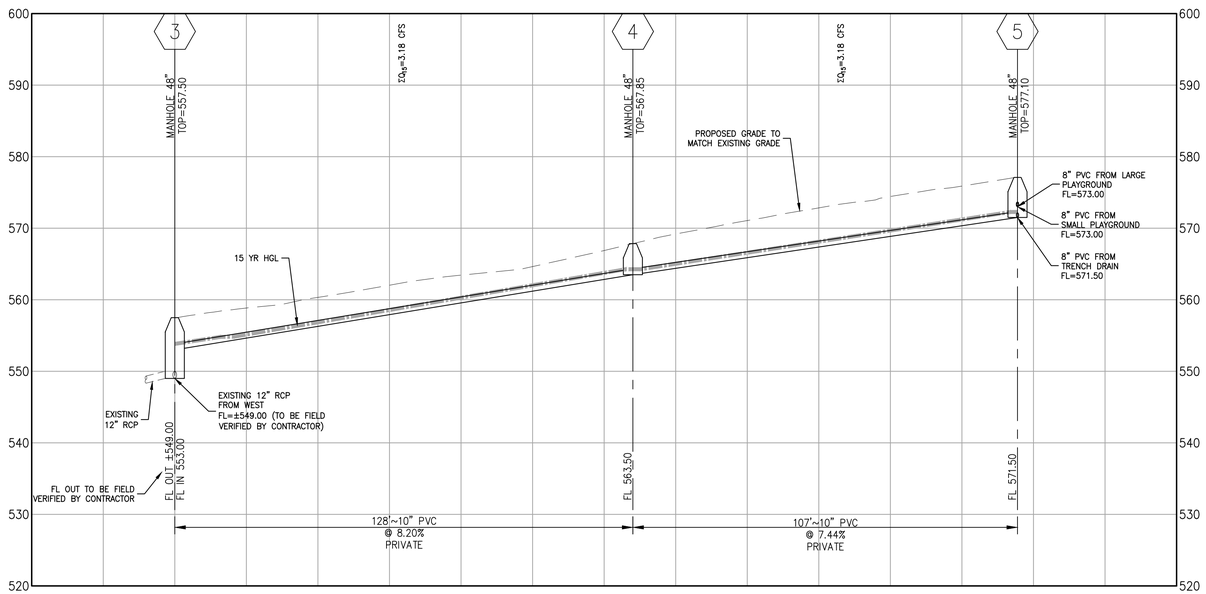
C7.1



1 STORM PROFILE EX1-2
SCALE: 1"=20' HORIZ. 1"=10' VERT.



2 STORM PROFILE EX2-7
SCALE: 1"=20' HORIZ. 1"=10' VERT.



3 STORM PROFILE 3-5
SCALE: 1"=20' HORIZ. 1"=10' VERT.

15 YR, 20 MIN STORM HYDRAULICS

Line ID	Line Size	Line Length	Line Slope	Manning's n	Bend Angle	Added Flow	Cumulative Flow Rate	Capacity (Full Flow)	Velocity (Out)	Invert (Start)	Ground Elevation (Start)	HGL (In)	Freeboard	Invert (Stop)	Ground Elevation (Stop)	HGL (Out)
	(in)	(ft)	(%)		(Deg)	(cfs)	(cfs)	(cfs)	(ft/s)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
4-3	10	128.02	8.20	0.012	-158.42	0.00	3.18	6.79	5.83	563.50	567.85	564.26	3.59	553.00	557.50	553.83
5-4	10	107.49	7.44	0.012	-55.18	3.18	3.18	6.47	6.07	571.50	577.10	572.26	4.84	563.50	567.85	564.26
6-EX2	8	86.33	1.07	0.012	-110.97	0.28	0.63	1.35	1.81	561.75	564.91	562.12	2.79	560.83	564.86	561.50
7-6	6	88.06	1.00	0.012	-8.60	0.35	0.35	0.61	2.23	562.63	564.93	562.93	2.00	561.75	564.91	562.12
1-EX1	8	157.71	1.20	0.012	117.36	0.18	0.76	1.44	2.18	559.00	563.84	559.41	4.43	557.10	562.42	557.77
2-1	8	41.17	1.21	0.012	-45.17	0.58	0.58	1.44	2.56	559.50	563.25	559.86	3.39	559.00	563.84	559.41

100 YR, 20 MIN STORM HYDRAULICS

Line ID	Line Size	Line Length	Line Slope	Manning's n	Bend Angle	Added Flow	Cumulative Flow Rate	Capacity (Full Flow)	Velocity (Out)	Invert (Start)	Ground Elevation (Start)	HGL (In)	Freeboard	Invert (Stop)	Ground Elevation (Stop)	HGL (Out)
	(in)	(ft)	(%)		(Deg)	(cfs)	(cfs)	(cfs)	(ft/s)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
4-3	10	128.02	8.20	0.012	-158.42	0.00	4.28	6.79	7.85	563.50	567.85	564.31	3.54	553.00	557.50	553.83
5-4	10	107.49	7.44	0.012	-55.18	4.28	4.28	6.47	7.91	571.50	577.10	572.31	4.79	563.50	567.85	564.31
6-EX2	8	86.33	1.07	0.012	-110.97	0.37	0.85	1.35	2.44	561.75	564.91	562.19	2.72	560.83	564.86	561.50
7-6	6	88.06	1.00	0.012	-8.60	0.48	0.48	0.61	2.64	562.63	564.93	562.98	1.95	561.75	564.91	562.19
1-EX1	8	157.71	1.20	0.012	117.36	0.24	1.02	1.44	2.92	559.00	563.84	559.48	4.36	557.10	562.42	557.77
2-1	8	41.17	1.21	0.012	-45.17	0.78	0.78	1.44	2.91	559.50	563.25	559.92	3.33	559.00	563.84	559.48

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11/12/2026
STANLEY EARL FOWLER, JR.
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PE NO: PE-2020000037

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DATE: 11/12/2026

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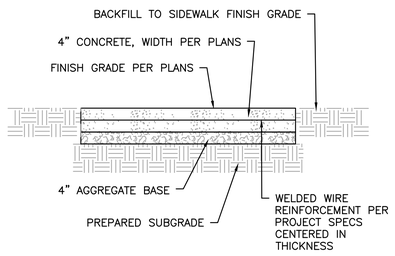
STORM PROFILES

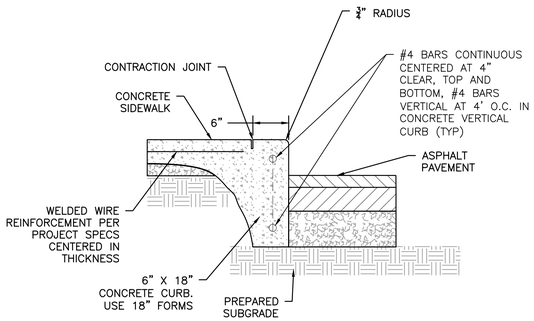
C8.0

USER: Patrick Barry TAB: C8.0 STORM PROFILES
DATE: November 6, 2026 - 8:30:27 AM
DRAWING: S:\JOBS\Jobs2026\26-0051\CADD\C-Plan\PlotSheets\0_PLAN_PROFILES_26-0051.dwg



1 CONCRETE SIDEWALK

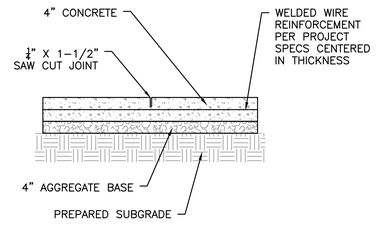
SCALE: N.T.S. **REF. DWG. C5.0, C5.1**



NOTE:
PROVIDE ½" EXPANSION JOINT SIMILAR CONCRETE EXPANSION JOINT, FULL DEPTH OF CURB, MAXIMUM SPACING AT 20'–0" ON CENTER OR PER PLAN.

2 COMBINED CURB/SIDEWALK

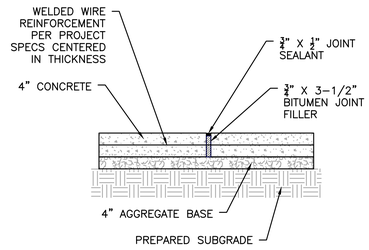
SCALE: N.T.S. **REF. DWG. C5.0**



NOTE:
MAXIMUM SPACING EQUALS WIDTH OF SIDEWALK OR PER PLANS

3 CONCRETE CONTRACTION JOINT

SCALE: N.T.S. **REF. DWG. C5.0, C5.1**



NOTE:
MAXIMUM SPACING EQUALS 20'–0" ON CENTER OR PER PLANS

4 CONCRETE EXPANSION JOINT

SCALE: N.T.S. **REF. DWG. C5.0, C5.1**

NOTE:
PAVEMENT DETAILS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY FINAL PAVEMENT REQUIREMENTS WITH GEOTECH REPORT AND/OR OWNER.

5 ASPHALT PAVEMENT

SCALE: N.T.S. **REF. DWG. C5.0, C5.1**

NOTE:
PAVEMENT DETAILS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY FINAL PAVEMENT REQUIREMENTS WITH GEOTECH REPORT AND/OR OWNER.

6 CONCRETE PAVEMENT

SCALE: N.T.S. **REF. DWG. C5.0**

NOTE:
PROVIDE ½" EXPANSION JOINT SIMILAR CONCRETE EXPANSION JOINT, FULL DEPTH OF CURB, MAXIMUM SPACING AT 20'–0" ON CENTER OR PER PLAN.

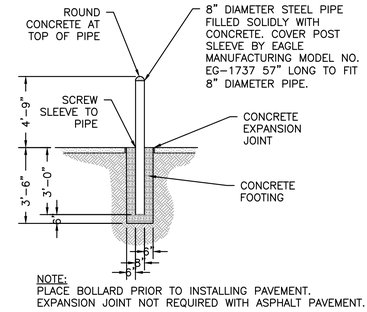
7 VERTICAL CONCRETE CURB

SCALE: N.T.S. **REF. DWG. C5.0, C5.1**

NOTE:
CLEANOUT IS J.R. SMITH MODEL 4261L

8 CLEANOUT DETAIL

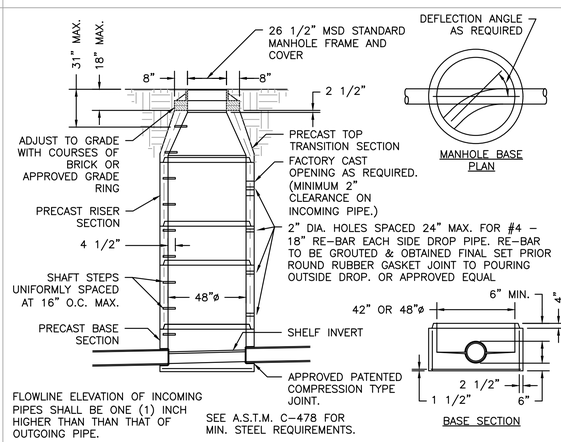
SCALE: N.T.S. **REF. DWG. C7.0**



NOTE:
PLACE BOLLARD PRIOR TO INSTALLING PAVEMENT. EXPANSION JOINT NOT REQUIRED WITH ASPHALT PAVEMENT.

9 BOLLARD

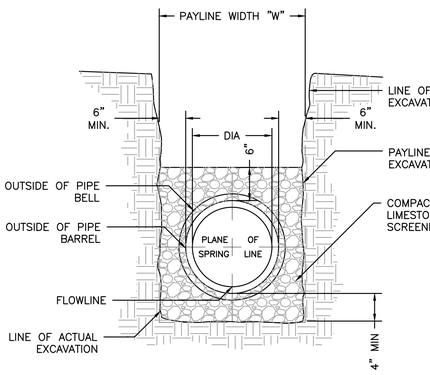
SCALE: N.T.S. **REF. DWG. C5.0**



NOTE: DETAIL SHOWN FOR PRIVATE CONSTRUCTION USE ONLY. REFER TO MSD SPECIFICATIONS AND DETAILS FOR PUBLIC SEWER CONSTRUCTION.

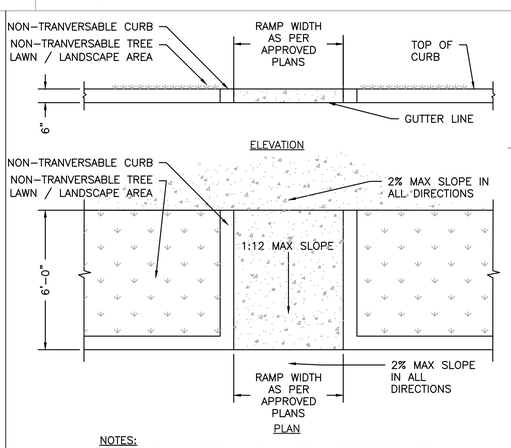
10 48" MANHOLE DETAIL

SCALE: N.T.S. **REF. DWG. C7.0**



11 PVC PIPE BEDDING DETAIL

SCALE: N.T.S. **REF. DWG. C7.0, C7.1**



NOTES:
1. MAINTAIN 4" SIDEWALK THICKNESS IN DEPRESSED AREA.
2. THIS IS A TYPICAL DETAIL FOR REFERENCE. REFER TO SITE AND GRADING PLAN FOR FINAL LAYOUT AND SPOT GRADE ELEVATIONS.

12 TYPICAL ACCESSIBLE CURB RAMP

SCALE: N.T.S. **REF. DWG. C5.0**

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PINCHIN, LLC
Hazardous Materials Design
Project Number : R262.00457.004
Certificate of Authority #
2 Cityplace Drive, Suite 195,
St. Louis, Missouri 63141
314.230.0182 tel
Contact: Megan Kienker
Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School
555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd., Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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CORPORATE ENGINEERING CERTIFICATE #001165
STANLEY EARL FOWLER, JR.
CIVIL ENGINEER
PE NO: PE–2020000037
11/12/2026

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DATE: 11/12/2026

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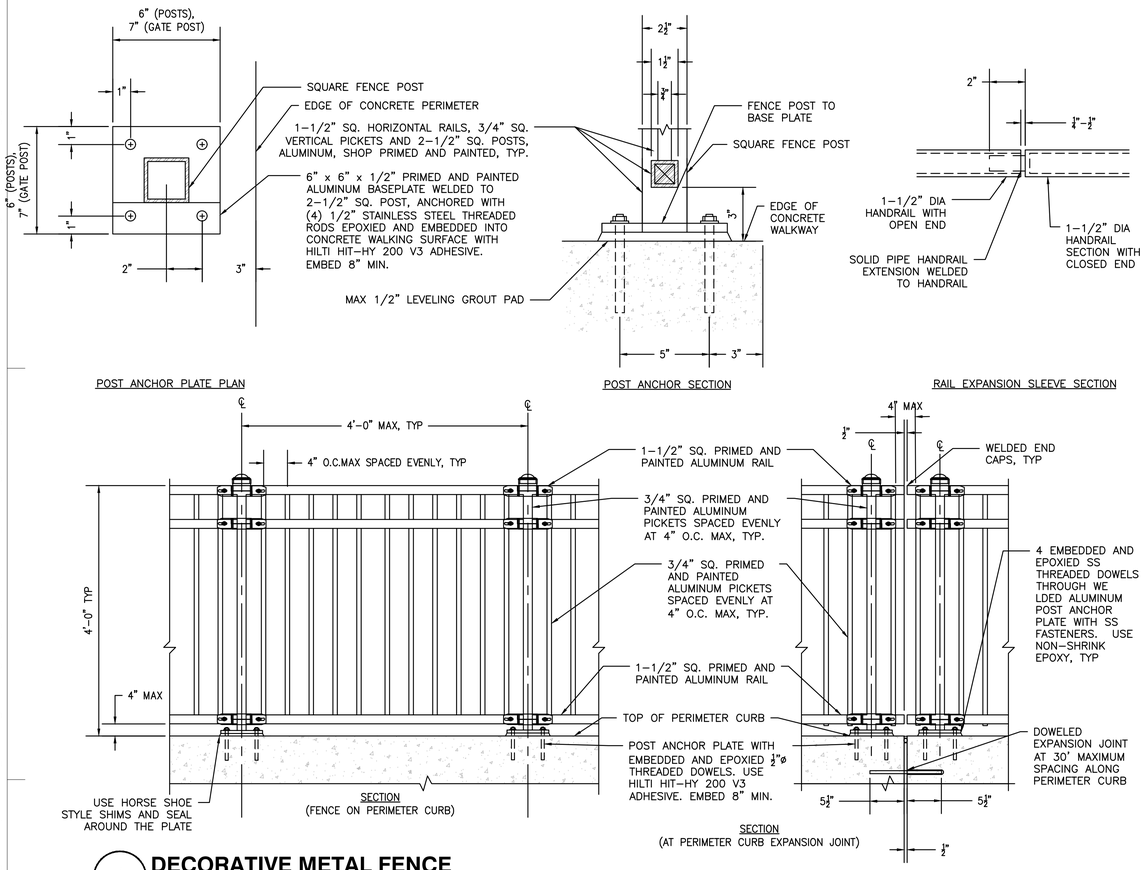
DETAIL SHEET

C9.0

USER: Patrick Barry TAB: C9.0 DETAIL SHEET
DATE: November 6, 2026 - 8:30:30 AM
DRAWING: S:\JOBS\Jobs2026\26-0051\CAD\C-Plan\PlotSheets\0_PLAN_DETAIL_26-0051.dwg



POST ANCHOR PLATE PLAN

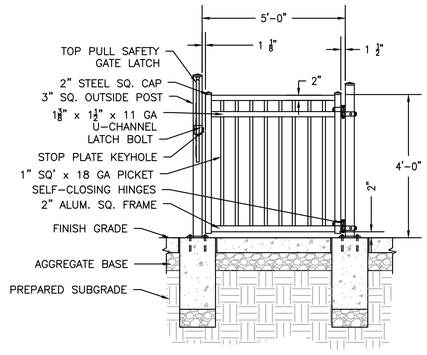
POST ANCHOR SECTION

RAIL EXPANSION SLEEVE SECTION

1 DECORATIVE METAL FENCE

SCALE: N.T.S.

REF. DWG. C5.0



ELEVATION

HARDWARE SCHEDULE

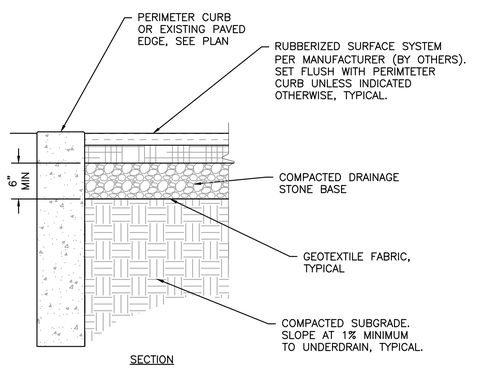
HARDWARE	PRODUCT
SELF–CLOSE HINGE	TRUCLOSE HEAVY DUTY FOR METAL GATES, D&D TECHNOLOGIES. ADJUSTABLE TENSION.
LOCKABLE PULL GATE LATCH	LOCKABLE MAGNA–LATCH S3 TOP PULL SAFETY GATE LATCH, KEYED ALIKE, COLOR: BLACK

NOTES:
1. PROVIDE THE BASIS OF DESIGN PRODUCTS LISTED ABOVE OR ARCHITECT ACCEPTED EQUAL PRODUCTS THAT MEET THE SALIENT CHARACTERISTICS IDENTIFIED IN THE CONSTRUCTION DOCUMENTS.
2. PROVIDE SHOP DRAWINGS FOR ALL FENCE, GATE AND GATE LATCHING COMPONENTS FOR REVIEW AND APPROVAL BY ARCHITECT PRIOR TO INITIATING FENCE PURCHASE.
3. FENCE, GATE, HARDWARE AND ACCESSORIES COLOR: BLACK.

2 DECORATIVE FENCE GATE

SCALE: N.T.S.

REF. DWG. C5.0



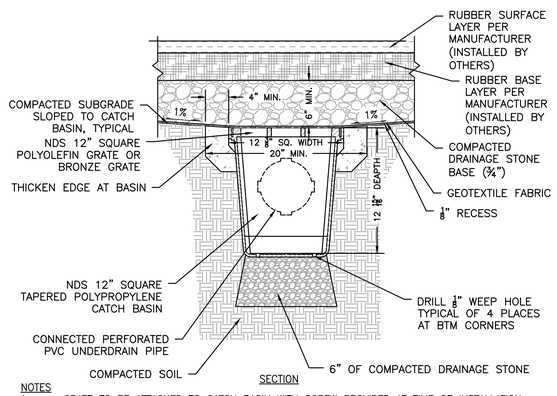
SECTION

NOTE
1. TOP OF AGGREGATE SECTION TO BE ESTABLISHED AT 4.5 INCHES BELOW FINISH GRADE (TYP). PLAYGROUND EQUIPMENT CONTRACTOR TO ADD ADDITIONAL AGGREGATE AS REQUIRED.

3 RUBBERIZED PLAY SURFACE

SCALE: N.T.S.

REF. DWG. C5.0



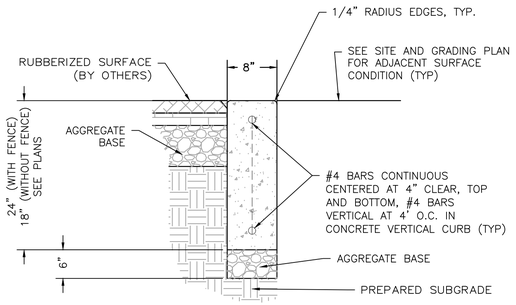
SECTION

NOTES
1. GRATE TO BE ATTACHED TO CATCH BASIN WITH SCREW PROVIDED AT TIME OF INSTALLATION.
2. BRONZE GRATE TO BE USED IN PEDESTRIAN TRAFFIC APPLICATION ONLY.
3. DO NOT USE OVER 5 RISERS WITH CATCH BASIN.
4. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
5. CATCH BASIN TOP TO BE ESTABLISHED AT 11 INCHES BELOW FINISH GRADE (TYP).
6. TOP OF AGGREGATE SECTION TO BE ESTABLISHED AT 4.5 INCHES BELOW FINISH GRADE (TYP). PLAYGROUND EQUIPMENT CONTRACTOR TO ADD ADDITIONAL AGGREGATE AS REQUIRED.

4 CATCH BASIN - PLAYGROUND UNDERDRAIN

SCALE: N.T.S.

REF. DWG. C7.0



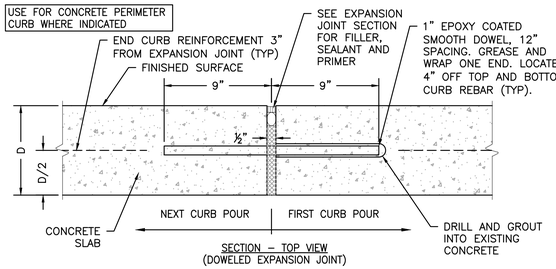
NOTE:
PROVIDE DOWELED AND SEALED EXPANSION JOINTS AT 30'–0" MAXIMUM SPACING

NOTE:
SEE GRADING PLAN FOR ALL PERIMETER CURB ELEVATIONS IN RELATION WITH RUBBERIZED PLAY SURFACE.

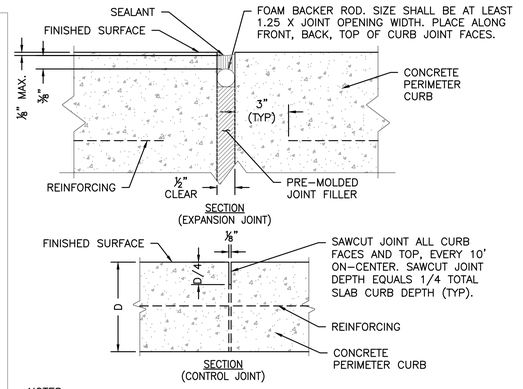
5 8" FLUSH CONCRETE PERIMETER CURB

SCALE: N.T.S.

REF. DWG. C5.0



SECTION – TOP VIEW
(DOWELED EXPANSION JOINT)



NOTES:
1. OTHER THAN JOINT GROOVE, LEAVE NO EMBEDDED TOOL MARKS.

6 PERIMETER CURB JOINTS

SCALE: N.T.S.

REF. DWG. C5.0

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PINCHIN, LLC
Hazardous Materials Design
Project Number : R262.00457.004
Certificate of Authority #
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St. Louis, Missouri 63141
314.230.0182 tel
Contact: Megan Kienker
Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School

555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd., Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

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STANLEY EARL FOWLER, JR.
NUMBER PE-2020000037
PROFESSIONAL ENGINEER
11/12/2026

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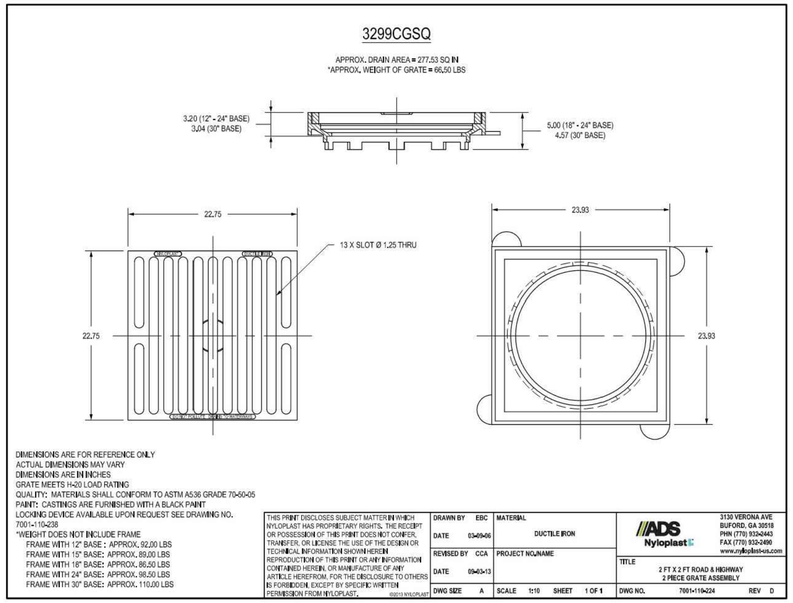
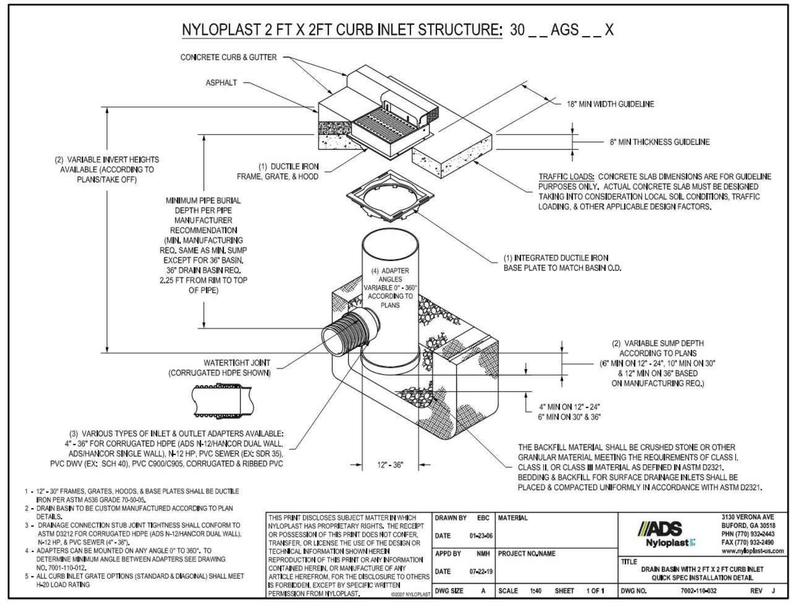
C9.1

USER: Patrick Barry TAB: C9.1 DETAIL SHEET
DATE: November 6, 2026 – 8:30:31 AM
DRAWING: S:\JOBS\Jobs\2026\26-0051\CADD\C-Plan\PlotSheets\D_PLAN_DETAIL_26-0051.dwg



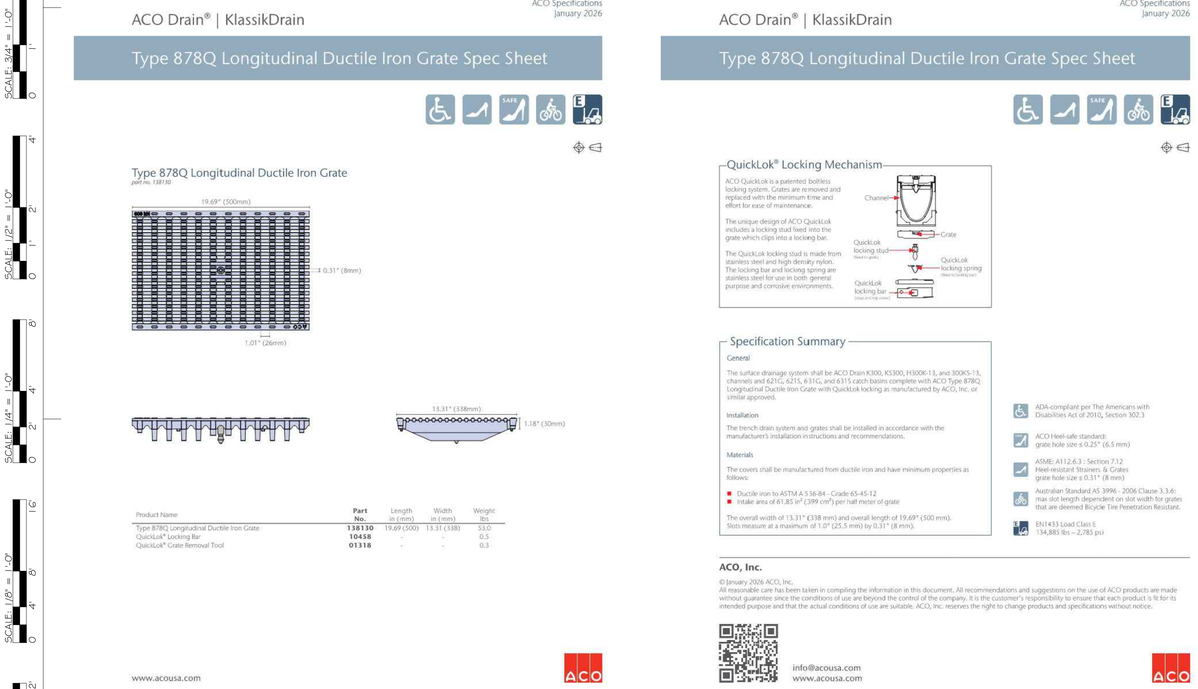
1 NYLOPLAST 2'X2' GRATE INLET

SCALE: N.T.S. **REF. DWG.** C7.0



2 NYLOPLAST 2'X2' CURB INLET

SCALE: N.T.S. **REF. DWG.** C7.1



3 ACO TYPE 878Q GRATE (WITH KS300 CHANNEL)

SCALE: N.T.S. **REF. DWG.** C7.0

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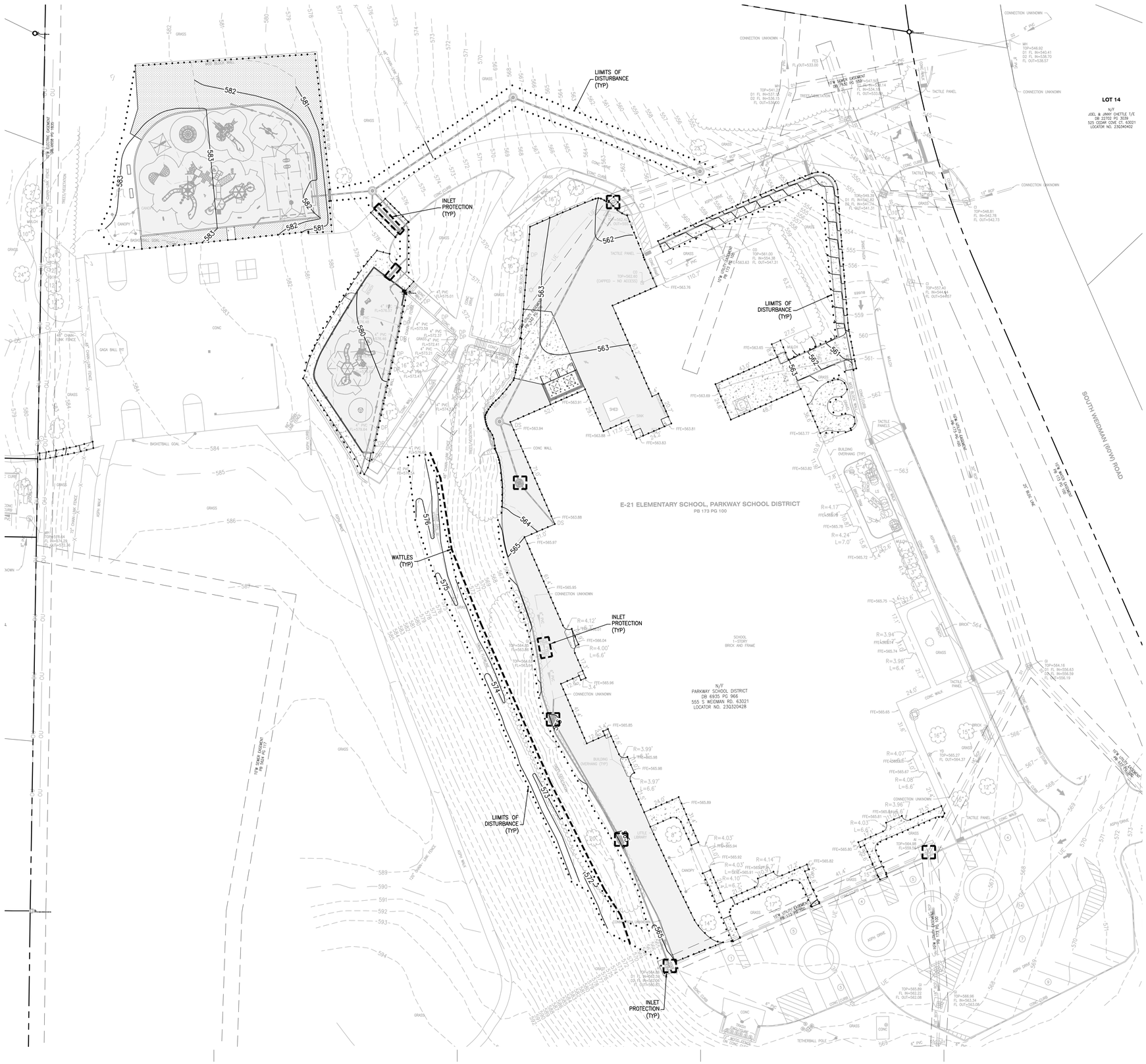
LIMITS OF DISTURBANCE (TYP)
INLET PROTECTION (TYP)
WATTLES (TYP)
LIMITS OF DISTURBANCE (TYP)
INLET PROTECTION (TYP)
INLET PROTECTION (TYP)
LIMITS OF DISTURBANCE (TYP)
LOT 14
N/F
JOEL & JINNY CHETTLE T/E
DB 22702 PG 3039
525 CEDAR COVE CT. 63021
LOCATOR NO. 23030402
N/F
PARKWAY SCHOOL DISTRICT
DB 6935 PG 966
555 S WEIDMAN RD. 63021
LOCATOR NO. 23032042B
E-21 ELEMENTARY SCHOOL, PARKWAY SCHOOL DISTRICT
PB 173 PG 100
SOUTH WEIDMAN (60W) ROAD
SCHOOL
1-STORY
BRICK AND FRAME
LITTLE LIBRARY
SHED
CANOPY
BUILDING OVERHANG (TYP)
BASKETBALL GOAL
GAGA BALL PIT
TETHERBALL POLE
CONNECTION UNKNOWN
TACTILE PANEL
TACTILE PANELS
CONC WALK
ASPH DRIVE
ASPH WALK
CONC CURB
CONC WALL
BRICK WALL
MID BLOCK WALK
4' CHAIN LINK FENCE
6' CHAIN LINK FENCE
10' CHAIN LINK FENCE
TREES/VEGETATION
GRASS
CONC
BRICK
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UE
OU
SSWTM
SSMH
SDMH
DI
CO
MH
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D2 FL IN=539.70
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FFE=564.86
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FFE=564.83

SWPPP NOTES

SITE OWNER: PARKWAY SCHOOL DISTRICT
SITE ADDRESS: 555 S WEIDMAN RD
BALLWIN, MO 63021

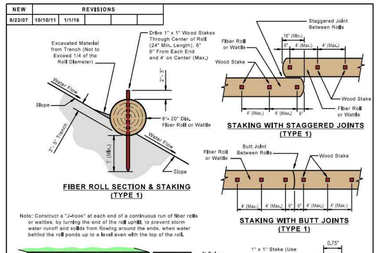
SITE CONTACT/
SPECIAL INSPECTOR: POETTKER CONSTRUCTION

1. REFER TO IMPROVEMENT PLANS FOR PERTINENT SITE MAP INFO.
2. REFER TO IMPROVEMENT PLANS FOR PERTINENT TOPOGRAPHICAL INFO.
3. TOTAL LAND ESTIMATED TO BE DISTURBED – APPROXIMATELY 1.23 AC
4. REFER TO DRAINAGE AREA MAP IN IMPROVEMENT PLANS FOR DRAINAGE PATTERNS.
5. REFER TO SWPPP PLAN FOR LOCATION OF ACCESS TO CONSTRUCTION SITE.
6. DESCRIPTION OF B.M.P.'S TO CONTROL EROSION AND SEDIMENTATION (INTERIM AND PERMANENT STABILIZATION PRACTICES)
   - A. FOR DETAILED DESCRIPTION OF EACH BMP REQUIRED ON THE SITE SEE THIS SHEET.
   - B. CONTRACTOR SHALL ESTABLISH PERIMETER SILTATION CONTROL PRIOR TO ANY CONSTRUCTION ACTIVITIES. AREAS REQUIRING MINOR CLEARING &/OR GRADING PRIOR TO INSTALLATION OF SILTATION CONTROL SHALL BE COMPLETED IN A TIMELY MANNER AND SILTATION CONTROL ESTABLISHED IMMEDIATELY FOLLOWING.
   - C. TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED WHERE THE ACCESS AREAS INTERSECT WITH PUBLIC ACCESS WAYS. DURING MUDDY CONDITIONS, DRIVERS OF VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING THE ROADWAY. WHERE SEDIMENT IS TRANSPORTED ONTO PUBLIC ACCESS WAYS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROAD BY SHOVELING OR SWEEPING. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
   - D. UPON COMMENCEMENT OF INITIAL CLEARING AND GRUBBING OPERATIONS, AS WELL AS FUTURE GRADING OPERATIONS, TOPSOIL MUST BE STRIPPED FROM GRADED AREAS AND STOCKPILED FOR IN FINAL GRADING AND / OR EXCESS REMOVAL. THE STOCKPILES WILL BE KEPT ON SITE BUT MUST STAY CLEAR OF ALL CONSTRUCTION ACTIVITY. THE STOCKPILE MUST BE STABILIZED WITH TEMPORARY VEGETATION, OR COVERED AT THE END OF EACH WORKDAY, OR PERIMETER CONTROLS MUST BE IN PLACE TO PREVENT SOIL LOSS AND SEDIMENT TRANSPORT FROM THE STOCKPILE ITSELF UNTIL NEEDED.
   - E. CONTRACTOR SHALL CLEAR AND GRUB THOSE AREAS OF THE SITE SCHEDULED FOR CONSTRUCTION. AREAS NOT SCHEDULED FOR IMMEDIATE CONSTRUCTION SHALL NOT BE CLEARED OF ESTABLISHED VEGETATION UNTIL REQUIRED. REMAINDER OF SITE SHALL BE GRADED, AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF SILTATION CONTROL THROUGHOUT THE DURATION OF THE PROJECT.
   - F. STORM DRAINS SHALL BE INSTALLED AS EARLY AS POSSIBLE, PROVIDED THE INSTALLATION DOES NOT CONFLICT WITH OTHER CONSTRUCTION ACTIVITIES. INLET PROTECTION SHALL BE PLACED AROUND EACH INLET, IMMEDIATELY, UPON COMPLETION OF CONSTRUCTION OF EACH INLET. INLETS MAY BE UTILIZED FOR STORM WATER CONTROL DURING CONSTRUCTION, WITH THE SILT FENCE AND EROSION CONTROL MEASURES IN PLACE. CONTRACTOR SHALL TAKE PRECAUTIONS TO LIMIT SILT FROM ENTERING STORM PIPE, PRIOR TO INSTALLATION OF STORM STRUCTURES.
   - G. IF SEEDING OR ANOTHER VEGETATIVE EROSION CONTROL METHOD IS USED, IT SHALL BECOME ESTABLISHED WITHIN TWO WEEKS OR THE SITE SHALL BE RE–SEEDED OR A NON–VEGETATIVE OPTION EMPLOYED.
   - H. TECHNIQUES SHALL BE EMPLOYED TO ENSURE STABILIZATION ON STEEP SLOPES AND IN DRAINAGE WAYS.
   - I. THE ENTIRE SITE MUST BE STABILIZED, USING HEAVY MULCH LAYER OR ANOTHER METHOD THAT DOES NOT REQUIRE GERMINATION TO CONTROL EROSION, AT THE CLOSE OF THE CONSTRUCTION SEASON. REFER TO TABLE ON THIS SHEET FOR MULCHING RATES.
   - J. TECHNIQUES SHALL BE EMPLOYED TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE.
   - K. TECHNIQUES SHALL BE EMPLOYED TO DIVERT UPLAND RUNOFF PAST DISTURBED SLOPES.
   - L. ALL PROPOSED TURF AREAS ARE TO BE REPLACED WITH SOD ONCE CONSTRUCTION IS COMPLETED WITHIN FIVE DAYS AFTER FINAL GRADING OF THE SITE WHERE SHOWN ON THE PLAN. SHOULD WEATHER CAUSE DELAYS IN EARTHWORK OPERATIONS, ADDITIONAL SILTATION CONTROL MEASURES MAY BE REQUIRED.
   - M. ANY DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR 5 DAYS OR MORE SHALL BE STABILIZED WITH SEEDING AND MULCHING PER SPECIFICATIONS WITHIN 5 DAYS. IF SEASONAL CONDITIONS PROHIBIT SEEDING, MULCHING OR MATTING SHALL BE USED.
   - N. SEDIMENTATION CONTROLS SHALL ONLY BE REMOVED WITH CITY APPROVAL AFTER THE SITE IS COMPLETELY STABILIZED, VEGETATION IS WELL ESTABLISHED, AND ALL PAVEMENT AREAS ARE INSTALLED.
7. DESCRIPTION OF B.M.P.'S TO PREVENT POTENTIAL POLLUTANTS
   (CONSTRUCTION WASTES, TOXIC OR HAZARDOUS SUBSTANCES, PETROLEUM PRODUCTS, PESTICIDES, HERBICIDES, SITE LITTER, SANITARY WASTES, ETC.)
   - A. SOLID NON–HAZARDOUS CONSTRUCTION WASTE – DISPOSE OF IN TRASH DUMPSTERS OR APPROVED EQUIVALENT IN A LOCATION APPROVED BY THE OWNER. POTENTIALLY SOLUBLE OR LEACHABLE SOLID WASTE SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK–PROOF CONTAINERS. SOLID WASTE SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK–PROOF CONTAINERS. SOLID WASTE SHALL BE PROPERLY DISPOSED OF OFF–SITE ON A REGULAR BASIS.
   - B. HAZARDOUS WASTE – HAZARDOUS WASTE SHALL BE SEGREGATED FROM NON–HAZARDOUS CONSTRUCTION SITE DEBRIS. LIQUID OR SEMI–LIQUID HAZARDOUS WASTE SHALL BE STORED IN APPROPRIATE CONTAINERS (CLOSED DRUMS OR SIMILAR) AND SHALL BE KEPT UNDER COVER. GRANULAR, SOLUBLE, OR LEACHABLE HAZARDOUS WASTE MATERIALS SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK–PROOF CONTAINERS, THE OWNER SHALL PROPERLY APPROVE ANY HAZARDOUS WASTE STORAGE AREA LOCATIONS.
   - C. HAZARDOUS WASTE SHALL BE PROPERLY DISPOSED OF OFF–SITE ON A REGULAR BASIS BY A REPUTABLE, LICENSED HAZARDOUS WASTE HAULER.
   - D. IT IS NOT THE INTENT OF THIS SWPPP TO SUPERSEDE OR REPLACE NORMAL SITE ASSESSMENT AND REMEDIATION PROCEDURES CONCERNING HAZARDOUS MATERIALS. SIGNIFICANT SPILLS AND/OR CONTAMINATION WARRANT AN IMMEDIATE RESPONSE BY TRAINED PROFESSIONALS. SUSPECTED JOB SITE CONTAMINATION SHOULD IMMEDIATELY BE REPORTED TO REGULATORY AUTHORITIES AND PROTECTIVE MEASURES TAKEN.
   - E. FRESH CONCRETE WASTE AND CONCRETE EQUIPMENT WASH DOWNS SHALL BE CONTAINED AND SHALL BE STORED AWAY FROM DRAINAGE DITCHES, SWALES AND DRAINAGE STRUCTURES. WHERE APPROPRIATE, CONTAINMENT BERMS SHALL BE PLACED AROUND WASTE STORAGE AREAS.
   - F. ON–SITE FUELING FACILITIES ARE REQUIRED TO ADHERE TO ALL APPLICABLE FEDERAL AND STATE REGULATIONS CONCERNING STORAGE AND DISPENSERS.
   - G. PROVISIONS SHALL BE MADE SO THAT A SUFFICIENT NUMBER OF TEMPORARY TOILET FACILITIES ARE AVAILABLE TO SERVE THE NUMBER OF WORKERS ON–SITE.
   - H. PROVISIONS SHALL BE MADE FOR LITTER CONTROL.
8. DESCRIPTION OF B.M.P.'S TO REMAIN AFTER CONSTRUCTION
   - A. STORM DRAINS – THE DEVELOPMENT WILL BE SERVED BY A STORM WATER SYSTEM CONSISTING OF PIPE AND INLETS. ANY STORM DRAINAGE SYSTEM DESIGNATED AS "PRIVATE" SHALL BE OPERATED AND MAINTAINED BY THE OWNER. ANY STORM DRAINAGE SYSTEM DESIGNATED AS "PUBLIC" SHALL BE MAINTAINED BY METROPOLITAN ST. LOUIS SEWER DISTRICT (MSD) UPON DEDICATION OF THE SEWERS TO THE DISTRICT.
   - B. TURF AREAS – TURF AREAS SHALL BE MAINTAINED TO INSURE SITE AREAS REMAIN STABILIZED UPON COMPLETION OF CONSTRUCTION ACTIVITIES.
   - C. PAVED AREAS AND WALKWAYS – AREAS SUBJECT TO FOOT AND VEHICLE TRAFFIC SHALL BE PAVED AND KEPT IN GOOD REPAIR FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.
9. CONTRACTOR TO COORDINATE WITH THE CITY AND DEVELOPER FOR OFF STREET PARKING AREA..
10. HAUL ROUTE OF EXCESS SPOILS TO BE DETERMINED BY SITE CONTRACTOR.
11. REFER TO B.M.P.'S DESCRIPTIONS (**#6**, **#7**, **#8**) AND THE SWPP PLAN TO REFERENCE ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED FOR THIS SITE.
12. REFER TO SEEDING RATES/MIXTURES ON THIS SHEET.
13. PLANNED RESPONSE TO LOSS OF CONTAINED SEDIMENT:
    B.M.P.'S SHALL BE REPAIRED AND/OR REPLACED IMMEDIATELY, AS REQUIRED, TO STABILIZE SITE AND CONTAIN SEDIMENT LADEN RUNOFF. OFFSITE AREAS SHALL BE REVIEWED FOR EXTENT OF IMPACT FROM B.M.P. FAILURE. PERMIT HOLDER SHALL BE REQUIRED TO PROVIDE DOCUMENTATION TO THE ST. CHARLES DEPARTMENT OF PUBLIC WORKS OF THE B.M.P. MEASURES, INSTALLED AND SCHEDULED MAINTENANCE, AND REPAIRS.
14. PERMIT HOLDER
    - A. PERMIT HOLDER SHALL NOTIFY ALL CONTRACTORS AND OTHER ENTITIES (INCLUDING UTILITY CREWS, CITY EMPLOYEES, OR THEIR AGENTS) THAT WILL PERFORM WORK AT THE SITE, OF THE EXISTENCE OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND WHAT ACTIONS OR PRECAUTIONS SHALL BE TAKEN WHILE ON SITE TO MINIMIZE THE POTENTIAL FOR EROSION AND THE POTENTIAL FOR DAMAGING ANY BEST MANAGEMENT PRACTICES (BMP'S).
    - B. PERMIT HOLDER SHALL DETERMINE THE NEED FOR AND ESTABLISH TRAINING PROGRAMS TO ENSURE THAT ALL SITE WORKERS HAVE BEEN TRAINED, AT A MINIMUM, IN EROSION CONTROL, MATERIAL HANDLING AND STORAGE, AND HOUSEKEEPING.
    - C. PROVIDE COPIES OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO ALL PARTIES WHO ARE RESPONSIBLE FOR INSTALLATION, OPERATION, OR MAINTENANCE FOR ANY BEST MANAGEMENT PRACTICES (BMP'S).
    - D. MAINTAIN A CURRENT COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE SITE AT ALL TIMES. A COPY OF THE SWPPP WILL BE LOCATED AT THE CONSTRUCTION TRAILER AND BE AVAILABLE FOR VIEWING AT ALL TIMES.
15. PRIOR TO ANY MAJOR LAND DISTURBANCE ACTIVITY, A LAND DISTURBANCE PERMIT FROM THE STATE OF MISSOURI DEPARTMENT OF NATURAL RESOURCES AND COUNTY, WILL BE REQUIRED.
16. ANY LAND CLEARING, CONSTRUCTION, OR DEVELOPMENT INVOLVING THE MOVEMENT OF EARTH SHALL BE IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN.
17. CONTRACTOR SHALL KEEP SILT FROM ENTERING INTO THE STORM SEWER SYSTEM AND KEEP ALL WATER FROM PONDING ON THE PAVEMENT THAT IS PART OF THE PEDESTRIAN TRAVEL WAY. INLET PROTECTION SHALL ONLY BE USED AS NECESSARY TO KEEP SILT FROM ENTERING INTO THE STORM SEWER SYSTEM.

SCALE: 3" = 1'-0" (0, 0.25, 0.5, 1')
SCALE: 1" = 1'-0" (0, 0.5, 1, 2')
SCALE: 1/2" = 1'-0" (0, 1, 2, 4')
SCALE: 3/4" = 1'-0" (0, 1, 2, 3')
SCALE: 1/4" = 1'-0" (0, 2, 4, 8')
SCALE: 1/8" = 1'-0" (0, 4, 8, 16')
SCALE: 1/16" = 1'-0" (0, 8, 16, 32')

USER: Patrick Barry TAB: C10.1 SWPPP NOTES AND DETAILS
DATE: November 6, 2026 – 8:30:40 AM
DRAWING: S:\JOBS\Jobs2026\26-0051\CADD\C-Plan\PlotSheets\0_PLAN_SWPP_26-0051.dwg

NEW | REVISIONS
8/23/07 | 10/10/11 | 1/1/16



GENERAL NOTES

1) Do not scale drawing. Follow dimensions.
2) Row spacing for slope installations should be determined by site conditions such as slope gradient and soil type (see Table 1 for row spacing).
3) Installations as shown above are designed for slopes of 1/10 and steeper.
4) Netting, fiber sock or outer cover of rolls must be constructed of photodegradable or biodegradable material.
5) Fiber Rolls and Wattles shall contain straw, flax, coconut fiber (coir), rice straw or aspen excelsior. In a tight tubular roll, specifically designed for removal of solids from storm water runoff, FR material must be biodegradable and contain no chemical additives.
6) Fiber Rolls or Wattles may be weighted for use around street inlets (triennial roll weight in by placing a weight, such as a concrete block, on the down stream side of the roll, perpendicular to the roll, and secured with a stake driven through the weight.
7) Follow the roll manufacturers instructions and recommendations for the staking, installation and maintenance of all Fiber Rolls or Wattles.

ROW SPACING (Table 1)
rise 21 Slope = 10 Feet
2:1 to 4:1 Slope = 15 Feet
rise 4:1 Slope = 20 Feet

ST. LOUIS COUNTY
DEPARTMENT OF TRANSPORTATION
CREVE COEUR, MISSOURI
TYPICAL BMP DETAIL
FIBER ROLLS AND WATTLES (TYPE 1 STAKING)
REVISION DATE: January 1, 2016
DRAWING 806-65.00

FIBER ROLLS AND FILTER ROLLS

PHYSICAL DESCRIPTION - A fiber roll, also known as a wattle, consists of straw, flax, coconut fiber (coir), rice straw or other similar materials bound in a tight photodegradable or biodegradable tubular roll or filter sock. A filter roll consists of a biodegradable, coarse composted or fiber material bound in a tight photodegradable or biodegradable tubular roll or filter sock. They intercept runoff, reduce flow velocity, remove sediment from the runoff, and reduce soil erosion. Fiber rolls and filter rolls must be prefabricated.

WHERE BMP IS TO BE INSTALLED - Installed on erodible slopes, at top of and toe of slopes, around the perimeter of the site, and around temporary stockpiles, as final barrier to sediment being carried off site. Spacing of rolls along slopes is relative to slope. Filter rolls and fiber rolls may also be used at drain inlets, swales and other concentrated flow areas to prevent sediment, silt, and other solids in storm water runoff from entering the storm sewer system. Rolls may also be used as mini check dams in unlined ditches and swales.

CONDITIONS FOR EFFECTIVE USE OF BMPs

Type of Flow:	Sheet flow and concentrated flow
Contributing Slope:	For slopes, use the following row spacing:
2:1 (H:V) or steeper:	10 feet
Between 2:1 and 4:1 (H:V):	15 feet
4:1 (H:V) or flatter:	20 feet

WHEN BMP IS TO BE INSTALLED - Prior to disturbance of natural vegetation and at intervals during construction of fill slopes. Fiber rolls and filter rolls should not be used on slopes subject to creep, slumping or landslide. Rolls are difficult to move once saturated.

INSTALLATION / CONSTRUCTION PROCEDURES

- ✓ Calculate required roll diameter, length and row spacing based on slope and the manufacturers recommendations.
- ✓ Dig trench to required depth for fiber rolls (filter rolls do not require trench).
- ✓ Place fiber rolls in trench or filter rolls directly on slope.
- ✓ Stake the fiber rolls or filter rolls as shown on detail drawings.
- ✓ Place excavated soil (fiber roll) or filter roll material along the upside of rolls as shown on detail drawings, not to exceed ¼ of the roll diameter.

O&M PROCEDURES

- ✓ Inspect every week and after every storm.
- ✓ Remove sediment buildup deeper than ½ the exposed roll height.
- ✓ Replace or repair split, torn, unraveling, slumping or damaged rolls.
- ✓ Repair or replace unstable or broken wood stakes.
- ✓ Stabilize any areas susceptible to undermining.
- ✓ Extend rows or add additional rolls if necessary to provide adequate protection.

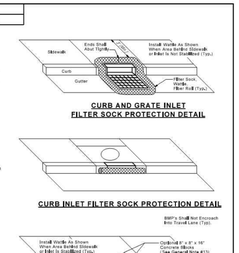
SITE CONDITIONS FOR REMOVAL - After permanent vegetation of slope is established, remove rolls, collect and dispose of sediment accumulation, re-grade trench area to blend with adjacent ground, and vegetate. Rolls do not have to be removed if approved construction or grading plans call for rolls to permanently be left in place (must be fully biodegradable).

TYPICAL DETAILS - 806-65.00
806-55.01
806-55.02

NEW | REVISIONS
11/1/14 | 1/1/16

GENERAL NOTES

1) LOCATION, DIAMETER AND LENGTH OF SOCK IS DEPENDENT ON THE INLET/GUTTER BEING PROTECTED (I.E. DOUBLE, TRIPLE INLET, ETC.).
2) GRAVEL FILTER SACK MAY BE SUBSTITUTED FOR FILTER SOCKS.
3) SOME LOCATIONS WILL NOT HAVE SIDEWALK (AS SHOWN IN THIS DETAIL).
4) IF THE AREA BEHIND THE INLET (AND SIDEWALK) IS NOT STABILIZED, A BMP SHALL BE USED TO PREVENT POLLUTANTS FROM ENTERING THIS INLET FROM BEHIND.
5) WHEN A WATTLE IS USED TO PREVENT POLLUTANTS FROM ENTERING AN INLET THROUGH THE SIDEWALK, AND THE SIDEWALK IS ALSO USED A MINIMUM 3 FOOT WALKING PATH, THE BMP SHALL BE MAINTAINED TO PREVENT SEDIMENT ACCUMULATION ON THE SIDEWALK.
6) SOCKS / BASIS (BMP) SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITY. SOCKS SHALL BE REMOVED AFTER AFTER INSTALLATION OF PROPOSED INLETS.
7) ACCUMULATED SEDIMENT SHALL BE REMOVED BEFORE IT REACHES ONE HALF THE DIAMETER OF THE SOCK OR BAG HEIGHT AT A MINIMUM OR ENCROACHES ONTO A TRAVEL LANE.
8) SEE GRAVEL BAG, FILTER SOCK (WATTLE, FIBER ROLL) AND INLET PROTECTION SPECIFICATIONS IN THE SEDIMENT AND EROSION CONTROL MANUAL TO DETERMINE APPROPRIATE BMP. SOCKS MUST BE STAKED LAYERED AND PACKED TIGHTLY SUCH THAT NO GAPS ARE EVIDENT.
9) LEAVE ONE GRAVEL BAG GAP IN THE TOP LAYER TO PROVIDE A SPILLWAY FOR OVERFLOW.
10) STRAW BALES MAY NOT BE USED AS A BMP. INSTALL A PAIR OF FILTER SOCKS, NEXT TO EACH OTHER, PARALLEL TO THE CURB INLET IF DIRECTED BY THE COUNTY.
11) BMP'S MUST BE INSTALLED TO ALLOW THE INLET / GUTTER TO FUNCTION WITHOUT FLOODING. IF NECESSARY TO ELIMINATE LOCALIZED FLOODING, CHOOSE THE DIAMETER OF SOCK AND LAYER(S) OF BAGS SUITABLE TO THE INDIVIDUAL APPLICATION.
12) INLET PROTECTION IS NOT A STAND ALONE BMP AND SHOULD BE USED IN CONJUNCTION WITH OTHER UP STREAM BMP's.
13) SOCKS NEED TO BE WEIGHTED FOR USE AROUND INLETS (INTERNAL ROLL WEIGHT OR BY PLACING A WEIGHT, SUCH AS A CONCRETE BLOCK, ON THE DOWN STREAM SIDE OF THE ROLL, PERPENDICULAR TO THE ROLL AND SECURED TO PREVENT FLOATING IF FLOODING IS POSSIBLE.
14) AT LOCATIONS WITHOUT CURBS, THE GUTTER PROTECTION MAY BE SHAPED INTO A HORSESHOE, WITH THE OPENING FACING OPPOSITE THE DIRECTION OF FLOW. GUTTER PROTECTION CAN HELP FND-TREAT STORM WATER IF NEEDED.
15) AT LOCATIONS WITHOUT CURBS, PLACE BMP's OF CHOICE COMPLETELY AROUND THE INLET, OVERLAP ENDS IF NEEDED.



ST. LOUIS COUNTY
DEPARTMENT OF TRANSPORTATION
CREVE COEUR, MISSOURI
TYPICAL BMP DETAIL
GRATED UNIT, INLET AND GUTTER PROTECTION FILTER SOCK AND GRAVEL FILTER BAG
REVISION DATE: January 1, 2016
DRAWING 806-65.08

INLET PROTECTION - BLOCK & GRAVEL, GRAVEL BAGS, AND FIBER ROLLS

PHYSICAL DESCRIPTION - A temporary sediment control barrier consisting of a short concrete block wall supporting gravel filter media, gravel bags, or fiber rolls around a storm water inlet designed to prevent sediment from entering the storm sewer. Shallow temporary ponding during and after rainfall should be expected. Use an alternate method if flooding of driving lanes, adjacent property, etc. is possible. Block and Gravel (Double Area Inlet), Fiber Roll (Single Curb Inlet), Fiber Roll (Double Curb Inlet), Fiber Roll (Triple Curb Inlet), Fiber Roll (Grated Inlet), or Fiber Roll (Gutter Protection).

WHERE BMP IS TO BE INSTALLED - At inlets where heavy flows are expected and an overflow capacity is necessary to prevent excessive ponding around the structure.

CONDITIONS FOR EFFECTIVE USE OF BMPs

Type of Flow:	Sheet flow and concentrated flow
Contributing Area:	Maximum of 1 acre

WHEN BMP IS TO BE INSTALLED - Immediately after placement of inlet and before construction starts on existing inlets.

INSTALLATION / CONSTRUCTION PROCEDURES

- ✓ Backfill, compact and uniformly grade area around inlet.
- ✓ Install first row of concrete blocks adjacent to the inlet sill, placing one block on its side on each side of inlet. The blocks are placed against the sill for lateral support and to avoid washouts when overflows occur.
- ✓ If needed for lateral support, install 2 x 4 lumber through vertical block openings.
- ✓ Fill vertical block openings with gravel for stability.
- ✓ Place second row of block offsetting one-half block from the first row, in a brick-like pattern.
- ✓ Fill vertical block openings with gravel.
- ✓ Anchor wire screen over horizontal block openings to support gravel.
- ✓ Place gravel around the blocks.

O&M PROCEDURES

- ✓ Inspect every week and after every storm.
- ✓ Remove sediment accumulation to keep it at least 8 inches from the top of the blocks.
- ✓ Remove trash accumulation at inlet.
- ✓ Repair elements to original configuration as needed.

SITE CONDITIONS FOR REMOVAL - Remove after contributing drainage areas have been adequately stabilized. Restore area to grade and vegetate.

TYPICAL DETAIL - 806-45.02 (Block and Gravel, Single Area Inlet)
806-45.08 (Fiber Roll, Single Curb Inlet)

SEEDING REQUIREMENTS

Dates for Seeding

Permanent Seeding	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Tall Fescue			O	O	O			O	O			
Smooth Brome			O	O	O			O	O			
Fescue & Brome			O	O	O	O		O	O			
Fescue, Rye & Bluegrass	A	A	O	O	O	P	P	O	O	P	P	A
Temporary Seeding	**Jan**	**Feb**	**March**	**April**	**May**	**June**	**July**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Rye or Sudan	A	A	O	O	O	O	O	O	O	O	A	A
Oats	A	A	O	O	O	O	O	O	O			

O = Optimum seeding dates
A = Acceptable seeding dates
P = Permitted seeding dates with reseeding 2 months later - Initially use 50% of seed and 75% of fertilizer. Reseed with additional 75% seed and remaining fertilizer.

Minimum Fertilizer and Seeding Rates

Permanent Seeding*	Pounds per acre	Pounds Per 1000 sq. ft.
Tall Fescue	300	7.0
Smooth Brome	200	4.6
Mixture # 1	250	5.7
Mixture # 2	210	4.8

Mixture # 1 = Tall Fescue @ 150 pounds per acre and Brome @ 100 pounds per acre.
Mixture # 2 = Tall Fescue @ 100 pounds per acre; Perennial Rye grass @ 100 pounds per acre; and Kentucky Blue grass @ 10 pounds per acre.
* = Seeding rate for slopes in excess of 20% (5:1), shall be 10 pounds per 1000 sq. ft.

Temporary Seeding	Pounds per acre	Pounds Per 1000 sq. ft.
Rye or Sudan	150	3.5
Oats	200	2.5

Fertilizer	Permanent Seeding (pounds per acre)	Temporary Seeding (pounds per acre)
Nitrogen	45	30
Phosphate	65	30
Potassium	65	30
Lime - ENM	600	600

ENM= Effective neutralizing material per State evaluation of quarried rock.

SEEDING

PHYSICAL DESCRIPTION - Establishment of vegetation by spreading grass seed designed to protect exposed soil from erosion by eliminating direct impact of precipitation and slowing overland flow rates. Once established, the vegetative cover will also filter pollutants from the runoff. Use only perennial vegetation for final stabilization.

WHERE BMP IS TO BE INSTALLED - To exposed soil after a phase of rough or finish grading has been completed, or areas where no activity will occur for 30 days.

CONDITIONS FOR EFFECTIVE USE OF BMPs

Type of Flow:	Sheet flow
Contributing Slope Length:	30 foot maximum for 3:1 slopes 50 foot maximum for slope between 3:1 and 10:1 100 foot maximum for slopes under 10%
Minimum Rates:	See attached chart(s)
Acceptable Dates:	See attached chart

WHEN BMP IS TO BE INSTALLED - Immediately after rough or finished grading is completed.

INSTALLATION / CONSTRUCTION PROCEDURES

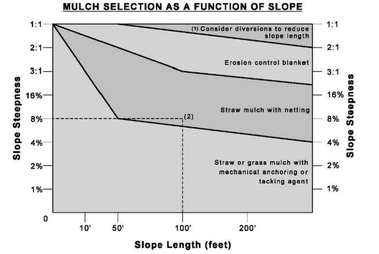
- ✓ Install upstream BMPs to protect area to be seeded.
- ✓ Rough grade area and remove all debris larger than 1-inch in diameter and concentrated areas of smaller debris.
- ✓ Install stabilization grids, if needed.
- ✓ Mix soil amendments (lime, fertilizer, etc.) into top 3 to 6 inches of soil as needed.
- ✓ Plant seed ¼ to ½ inch deep.
- ✓ Roll lightly to firm surface.
- ✓ Cover seeded area with mulch unless seeding completed during optimum spring and summer dates.
- ✓ Install additional stabilization (netting, bonded fiber matrix, etc.) as required.
- ✓ Water immediately - enough to soak 4 inches into soil without causing runoff.
- ✓ If contract / permit allows seeding to be used for final stabilization, only perennial vegetation seeds shall be used.
- ✓ For additional information see Sections 805 and 806.50 of St. Louis County's Standard Specification for Road and Bridge Construction.

O&M PROCEDURES:

- ✓ Inspect every week and after every storm
- ✓ Protect area from vehicular and foot traffic
- ✓ Reseed areas that have not sprouted within 21 days of planting.
- ✓ Repair damaged or eroded areas and reseed and stabilize as needed
- ✓ Do not mow until 4 inches of growth occurs
- ✓ During the first 4 months, mow no more than ⅓ the grass height
- ✓ Re-fertilize during 2nd growing season

SITE CONDITIONS FOR REMOVAL - Does not require removal, but temporary seeding can be removed immediately prior to work returning to an area

MULCH SELECTION AS A FUNCTION OF SLOPE



(1) For slopes steeper than 1:1, consider building a diversion above slope to divert water.
(2) Example: An 8% slope, 100 feet long, requires straw mulch with netting

GENERAL MULCH RECOMMENDATIONS TO PROTECT FROM SPLASH AND SHEET FLOW

Material	Rate Per Acre	Requirements	Notes
Straw	2 to 2.5 tons	Dry, unchopped unweathered; avoid weeds	Spread by hand or machine; must be tacked or tied down
Wood Fiber or Wood Cellulose	0.5 to 1 ton		Use with hydro seeder, may be used to tack straw. Do not use in hot, dry weather.
Wood Chips	5 to 8 tons	Air dry. Add nitrogen fertilizer at 12 lb per ton	Apply with blower, chip handler, or by hand. Not for fine turf areas.
Bark	35 cu. yds.	Air dry, shredded, or hammermilled; or chips	Apply with mulch blower, chip handler or by hand. Do not use asphalt tack.

MULCH

PHYSICAL DESCRIPTION - A layer of organic material designed to protect exposed soil or freshly seeded areas from erosion by eliminating direct impact of precipitation and slowing overland flow rates. Mulch materials may include, but are not limited to, such things as grass, hay, straw, wood chips, wood fibers, hydro mulch and shredded bark. Type 1 mulch is prohibited in the flood plain.

- Type I Mulch-Vegetative (includes grass, hay, and straw).
- Type II Mulch-Vegetative with asphalt emulsion (includes grass, hay, and straw).
- Type III Mulch-Vegetative with overspray (includes grass, hay, and straw).
- Type V Mulch-Hydro mulch (includes wood fiber, wood cellulose).
- Shredded Hardwood Bark Mulch.
- Wood Chips, (not recycled lumber).

WHERE BMP IS TO BE INSTALLED - Typically installed on seeded areas for temporary use, and in landscaped areas for permanent use.

CONDITIONS FOR EFFECTIVE USE OF BMPs

Type of Flow:	Sheet flow only
Slopes:	See attached chart for types of mulch acceptable as a function of slope length and steepness
Mulching Rates:	See attached table

WHEN BMP IS TO BE INSTALLED - Immediately after grading landscaped areas or seeding other areas.

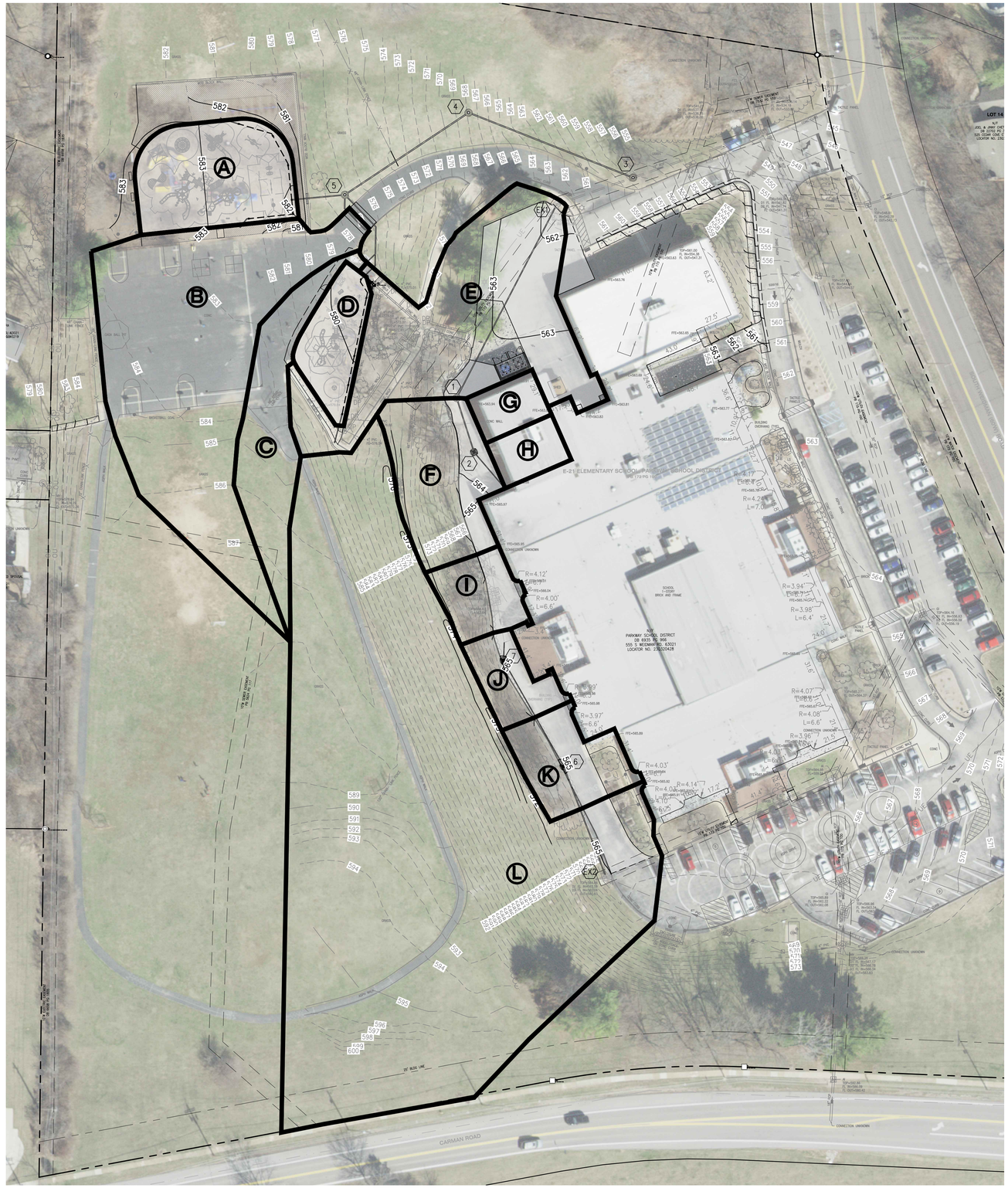
INSTALLATION / CONSTRUCTION PROCEDURES

- ✓ Install upstream BMPs to protect area to be mulched
- ✓ Rough grade area and remove all debris larger than 1 inch if area is to be vegetated and mowed in the future, larger than 2 inches if area is to be permanently mulched
- ✓ If area is to be seeded, follow requirements of Seeding BMP.
- ✓ Spread mulch and anchor by punching it into the ground, using netting, peg and twine, or tacking with liquid binder
- ✓ For additional information see Section 802 of St. Louis County's Standard Specifications for Road and Bridge Construction.

O&M PROCEDURES

- ✓ Inspect every week and after every storm until adequate vegetation is established; annually for permanent mulch.
- ✓ Protect from vehicular and foot traffic.
- ✓ Repair damaged, degraded or eroded areas - reseed as needed and replace mulch.

**SITE CONDITIONS FOR REMOVA



40' 0' 40' 80'
SCALE: 1" = 40'

INLET DRAINAGE AREA TABLE										
Designation	Pervious (acres)	Impervious (acres)	Roof Area (acres)	TOTAL AREA (ACRES)	IMPERV %	PI (100 yr, 20 min)	PI (15 yr, 20 min)	Q100 (cfs)	Q15 (cfs)	TRIBUTARY STRUCTURE
A	-	0.19	-	0.19	100.0%	4.77	3.54	0.90	0.67	5
B	0.23	0.38	-	0.61	62.3%	3.84	2.85	2.35	1.74	5
C	0.09	0.08	-	0.18	47.4%	3.47	2.57	0.62	0.46	5
D	-	0.09	-	0.09	100.0%	4.77	3.54	0.41	0.31	5
E	0.17	0.28	-	0.45	62.3%	3.84	2.85	1.74	1.29	EX1
F	0.13	0.05	-	0.18	28.4%	3.00	2.22	0.54	0.40	2
G	-	-	0.04	0.04	100.0%	5.62	4.20	0.24	0.18	1
H	-	-	0.04	0.04	100.0%	5.62	4.20	0.24	0.18	2
I	0.04	0.03	-	0.07	40.9%	3.30	2.45	0.25	0.18	(2) Existing Grate Inlets
J	0.04	0.03	-	0.07	46.6%	3.45	2.56	0.23	0.17	7
K	0.06	0.05	-	0.11	45.8%	3.43	2.54	0.37	0.28	6
L	1.73	0.13	-	1.86	6.7%	2.46	1.82	4.56	3.39	EX2

THIS SHEET IS FOR DRAINAGE CALCULATION PURPOSES ONLY AND NOT TO BE USED AS CONSTRUCTION PLANS

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St Louis, MO 63127
314.725.5889 tel

PINCHIN, LLC
Hazardous Materials Design
Project Number : R262.00457.004
Certificate of Authority #
2 Cityplace Drive, Suite 195,
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314.230.0182 tel
Contact: Megan Kienker
Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School
555 S Weidman Rd., Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS
Parkway School District
363 N. Woods Mill Rd., Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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STATE OF MISSOURI
STANLEY EARL FOWLER JR.
NUMBER PE-2020000037
PROFESSIONAL ENGINEER
CIVIL ENGINEERS
CORPORATE ENGINEERING CERTIFICATE #001165
STANLEY EARL FOWLER, JR.
CIVIL ENGINEER
PE NO: PE-2020000037
11/12/2026

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DATE: 11/12/2026

BID/ PERMIT SET

INLET DRAINAGE AREA MAP

C11.0

USER: Patrick Barry TAB: C11.0 INLET DRAINAGE AREA MAP
DATE: November 6, 2026 - 8:30:51 AM
DRAWING: S:\JOBS\Jobs2026\26-0051\CADD\C-Plan\PlotSheets\D_PLAN_DAM_26-0051.dwg

PRE DEVELOPED CONDITIONS (1.23 AC)

PERVIOUS AREA = 0.68 AC.
x PI=1.70 (15 YR)
TOTAL PERVIOUS AREA CFS = 1.16 CFS

IMPERVIOUS AREA = 0.55 AC.
x PI=3.54 (15 YR)
TOTAL IMPERVIOUS AREA CFS = 1.95 CFS

TOTAL=3.11 CFS



POST DEVELOPED CONDITIONS (1.23 AC)

PERVIOUS AREA = 0.40 AC.
x PI=1.70 (15 YR)
TOTAL PERVIOUS AREA CFS = 0.68 CFS

IMPERVIOUS AREA = 0.83 AC.
x PI=3.54 (15 YR)
TOTAL IMPERVIOUS AREA CFS = 2.94 CFS

TOTAL=3.62 CFS



50' 0' 50' 100'
SCALE: 1" = 50'

SCALE: 3" = 1'-0" 1' 0.5' 0.25' 0
SCALE: 1 1/2" = 1'-0" 2' 1' 0.5' 0
SCALE: 1" = 1'-0" 2' 1' 0.5' 0
SCALE: 3/4" = 1'-0" 3' 2' 1' 0
SCALE: 1/2" = 1'-0" 4' 2' 1' 0
SCALE: 1/4" = 1'-0" 8' 4' 2' 0
SCALE: 1/8" = 1'-0" 16' 8' 4' 0
SCALE: 1/16" = 1'-0" 32' 16' 8' 0

DIFFERENTIAL RUNOFF CALCULATIONS (15YR)

PRE DEVELOPED CONDITIONS	**3.11 CFS**
POST DEVELOPED CONDITIONS	**3.62 CFS**
DIFFERENTIAL RUNOFF RATE	**+0.51 CFS**

IMPERVIOUS AREA INCREASE = 0.28 ACRES
DISTURBED AREA = 1.23 ACRES

STORMWATER MANAGEMENT NOTE:

LAND AREA DISTURBED = ±1.23 ACRES

NOTES:

1. ANY FUTURE LAND DISTURBANCE AND/OR INCREASE IN IMPERVIOUS AREA ON THIS SITE MAY REQUIRE ADDITIONAL STORM WATER MANAGEMENT PER MSD REGULATIONS IN PLACE AT THAT TIME.

THIS SHEET IS FOR DRAINAGE CALCULATION PURPOSES ONLY AND NOT TO BE USED AS CONSTRUCTION PLANS

USER: Patrick Barry TAB: C12.0 PRE-POST DRAINAGE AREA MAP
DATE: November 6, 2026 - 8:31:00 AM
DRAWING: S:\JOBS\Jobs2026\26-0051\CADD\C-Plan\PlotSheets\0_IPLAN_PRE-POST_26-0051.dwg

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DATE: 11/12/2026

BID/ PERMIT SET

PRE-POST DRAINAGE AREA MAP

C12.0

Save

SCALE: 3" = 1'-0" 0 0.25' 0.5' 1'

SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2

SCALE: 1" = 1'-0" 0 0.5' 1' 2

SCALE: 3/4" = 1'-0" 0 1 2 3

SCALE: 1/2" = 1'-0" 0 1 2 4

SCALE: 1/4" = 1'-0" 0 2 4 8

SCALE: 1/8" = 1'-0" 0 4 8 16

SCALE: 1/16" = 1'-0" 0 8 16 32

11/4/2026 11:04:26 AM

Area Schedule (Life Safety)

Name	Location	Function of Space	Area	Area per Occupant	Calculated Occupancy
ART ROOM		CLASSROOM	827 SF	20	42
ART STOR.		AS#M	163 SF	300	1
BAND ROOM		CLASSROOM	446 SF	20	23
CLASSROOM		EDUCATION	Not Placed	20	
CLASSROOM		CLASSROOM	768 SF	20	39
CLASSROOM		CLASSROOM	791 SF	20	40
CLASSROOM		CLASSROOM	788 SF	20	40
CLASSROOM		CLASSROOM	787 SF	20	40
CLASSROOM		CLASSROOM	788 SF	20	40
CLASSROOM		CLASSROOM	819 SF	20	41
CLASSROOM		CLASSROOM	819 SF	20	41
CLASSROOM		CLASSROOM	784 SF	20	40
CLASSROOM		CLASSROOM	744 SF	20	38
CLASSROOM		CLASSROOM	789 SF	20	40
CLASSROOM		CLASSROOM	773 SF	20	39
CLASSROOM		CLASSROOM	761 SF	20	39
CLASSROOM		CLASSROOM	764 SF	20	39
CLASSROOM		CLASSROOM	773 SF	20	39
CLASSROOM		CLASSROOM	787 SF	20	40
CLASSROOM		CLASSROOM	742 SF	20	38
CLASSROOM		CLASSROOM	779 SF	20	39
CLASSROOM		CLASSROOM	767 SF	20	39
CLASSROOM		CLASSROOM	785 SF	20	40
CLASSROOM		CLASSROOM	782 SF	20	40
CLASSROOM		CLASSROOM	662 SF	20	34
CLASSROOM		CLASSROOM	810 SF	20	41
CLASSROOM		CLASSROOM	789 SF	20	40
CLASSROOM		CLASSROOM	871 SF	20	44
CLASSROOM		CLASSROOM	891 SF	20	45
COATS		AS#M	139 SF	300	1
COATS		AS#M	139 SF	300	1
COATS		AS#M	139 SF	300	1
COATS		AS#M	140 SF	300	1
COATS		CLASSROOM	805 SF	20	41
COATS		AS#M	140 SF	300	1
COATS		AS#M	140 SF	300	1
COATS		AS#M	95 SF	300	1
CONFERENCE		ASSEMBLY UNCONCENTRATED	88 SF	15	6
CONFERENCE		ASSEMBLY UNCONCENTRATED	88 SF	15	6
CONFERENCE		ASSEMBLY UNCONCENTRATED	177 SF	15	12
CONFERENCE		ASSEMBLY UNCONCENTRATED	177 SF	15	12
CONFERENCE		ASSEMBLY UNCONCENTRATED	75 SF	15	6
CONFERENCE		ASSEMBLY UNCONCENTRATED	172 SF	15	12
CONFERENCE		ASSEMBLY UNCONCENTRATED	95 SF	15	7
CONFERENCE		ASSEMBLY UNCONCENTRATED	95 SF	15	7
CONFERENCE		ASSEMBLY UNCONCENTRATED	223 SF	15	15

Area Schedule (Life Safety)

Name	Location	Function of Space	Area	Area per Occupant	Calculated Occupancy
ELEC.		AS#M	190 SF	300	1
GUIDANCE OFFICE		BUSINESS	138 SF	150	1
GYM OFFICE		BUSINESS	182 SF	150	2
GYMNASIUM		EXERCISE ROOM	3474 SF	50	70
JANITOR		AS#M	25 SF	300	1
JANITOR		AS#M	14 SF	300	1
JANITOR		AS#M	25 SF	300	1
JANITOR		AS#M	25 SF	300	1
JANITOR		AS#M	16 SF	300	1
KINDERGARTEN		CLASSROOM	1071 SF	20	54
KINDERGARTEN		CLASSROOM	1072 SF	20	54
KITCHEN		KITCHEN	190 SF	200	1
LIBRARIAN		BUSINESS	151 SF	150	2
LIBRARY		LIBRARY	2237 SF	100	23
LOUNGE		ASSEMBLY UNCONCENTRATED	352 SF	15	24
LOUNGE		ASSEMBLY UNCONCENTRATED	1041 SF	15	70
MECH.		AS#M	69 SF	300	1
MULTI PURPOSE		ASSEMBLY UNCONCENTRATED	2008 SF	15	134
MUSIC ROOM		CLASSROOM	1077 SF	20	54
NURSE		BUSINESS	227 SF	150	2
OBSERVATION		BUSINESS	97 SF	150	1
OFFICE		BUSINESS	85 SF	150	1
ORCHESTRA		CLASSROOM	416 SF	20	21
PRACTICE		BUSINESS	175 SF	150	2
PRINCIPAL		BUSINESS	174 SF	150	2
READING AREA		LIBRARY	832 SF	50	17
READING SPECIALIST		CLASSROOM	183 SF	20	10
RESOURCE		CLASSROOM	349 SF	20	18
RESOURCE		CLASSROOM	411 SF	20	21
RESOURCE		CLASSROOM	358 SF	20	18
RESOURCE		CLASSROOM	339 SF	20	17
RESOURCE		CLASSROOM	404 SF	20	21
RESOURCE		CLASSROOM	340 SF	20	18
SECRETARY		BUSINESS	260 SF	150	2
SPECIAL DISTRICT		CLASSROOM	873 SF	20	44
SPEECH		CLASSROOM	114 SF	20	6
STORAGE		AS#M	213 SF	300	1
STORAGE		AS#M	522 SF	300	2
STORAGE		AS#M	76 SF	300	1
STORAGE		AS#M	214 SF	300	1
STORAGE		AS#M	210 SF	300	1
STORAGE		AS#M	186 SF	300	1
STORAGE		AS#M	75 SF	300	1
STORAGE		AS#M	112 SF	300	1
STORAGE		AS#M	112 SF	300	1
STORAGE		AS#M	176 SF	300	1
STORAGE		AS#M	47 SF	300	1
WORKROOM		BUSINESS	115 SF	150	1
Grand total: 94					1919

CODE REVIEW

ZONING - UNINCORPORATED R2, BALLWIN
LOCATOR# 23Q320428, LAND USE 681, MUNICODE 000

ST LOUIS COUNTY (UNINCORPORATED) APPLICABLE CODES:
2015 - INTERNATIONAL BUILDING CODE (IBC)
2015 - INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2014 - NATIONAL ELECTRICAL CODE (NEC)
2015 - UNIFORM PLUMBING CODE (UPC)
2015 - INTERNATIONAL MECHANICAL CODE (IMC)
2015 - INTERNATIONAL ENERGY CONSERVATION CODE
2015 - INTERNATIONAL FUEL GAS CODE (IFGC)

WEST COUNTY EMS & FIRE DISTRICT APPLICABLE CODES:
2024 - INTERNATIONAL FIRE CODE (IFC) & LOCAL ORDINANCES
2024 - INTERNATIONAL BUILDING CODE (IBC)
2024 - INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2024 WEST COUNTY OVERARCHING BUILDING & FIRE CODE

GENERAL SCOPE OF WORK: THIS PROJECT CONSISTS OF: CIVIL WORK INCLUDING REPLACEMENT OF PARKING LOTS AND DRIVES PAV-005, PAV-006, PAV-007 AND PAV-008, REPLACEMENT OF EXTERIOR RAMPS ERP-003, ERP-004 and ERP-005, REPLACEMENT OF CONCRETE SIDEWALKS SID-005, SID-006, PORTIONS OF SID-011, SID-012, SID-013, REPLACEMENT OF SID-017 and SID-025, RE-GRADING OF SITE TO ADDRESS DRAINAGE ISSUES UP THE HILL TO THE TRACK BEHIND BUILDING AND TO THE REAR OF BUILDING AND TO THE LARGE & SMALL PLAYGROUND AREAS AS SHOWN ON PLANS, RE-GRADING, CURBS, RETAINING WALLS, FENCES, ADDING STORM LINES, MANHOLES AND TRENCH DRAINS ADDED AS REQUIRED TO ADDRESS DRAINAGE ISSUES PER CIVIL DRAWINGS. REPLACEMENT OF EXISTING EXTERIOR DOORS AT EXIT 32 (DOOR EXD-800A) & EXIT 33 (DOOR EXD-800B), CONCRETE INFILL OF CAFETERIA FOR ADA ACCESS AND ASBESTOS ABATEMENT AS REQUIRED FOR IMPLEMENTATION OF THE WORK DESCRIBED ABOVE.

WORK IS LIMITED TO MINOR ALTERATIONS TO AN EXISTING FACILITY

RENOVATION, SPRINKLERED - NO
EXISTING BUILDING USE GROUP (305): EDUCATIONAL GROUP E
EXISTING BUILDING CONSTRUCTION TYPE (602.2): III-B
(NOTE: ASSEMBLY SPACES SUCH AS CAFETERIA , AUDITORIUMS, GYMS, LIBRARIES AND SIMILAR SPACES ARE ANCILLARY TO EDUCATION OCCUPANCY, DO NOT CONSTITUTE SEPARATE OCCUPANCIES FOR THE PURPOSE OF MIXED USE CALCULATIONS.)

ALLOWABLE HEIGHT PER TABLE 504.3, 504.4
= 55', 2 STORIES
ACTUAL EXISTING BUILDING HEIGHT (NO CHANGE)
= 15', 1 STORY

ALLOWABLE AREA -
AREA PER TABLE 506.2 = 14,500 (N5)
= 58,000 SF (5I)
(FRONTAGE INCREASE, SECTION 506.3) = 10,875 SF
ALLOWABLE AREA WITH FRONTAGE INCREASE = 25,375 SF
ACTUAL EXIST. BUILDING AREA (NO CHANGE) = 65,264 +/- SF

EXISTING FIRE-RESISTANCE RQMTS. FOR BUILDING ELEMENTS:
(PER 2015 IBC TABLE 601)

PRIMARY STRUCTURAL FRAME	0
BEARING WALLS	
EXTERIOR	0
INTERIOR	0
NONBEARING WALLS & PARTITIONS	
EXTERIOR (IBC 2015 T 602, 2021 T 705.5)	0
INTERIOR	0
FLOOR CONSTRUCTION & SECONDARY MEMBERS	0
ROOF CONSTRUCTION & SECONDARY MEMBERS	0
CORRIDOR (>30) OCC SEPARATION (TABLE 1020.1)	
(N5)	1 HR.

NUMBER OF EXITS
(NO CHANGE)
FIRST FLOOR OCCUPANT LOAD >500, 3 EXITS = REQUIRED
38 EXITS = ACTUAL EXISTING

EGRESS WIDTH
(NO CHANGE)
FIRST FLOOR
NON-STAIR, OCCUPANT LOAD X 0.2"
N/A X 0.2" = " (TOTAL) REQUIRED
N/A " ACTUAL

Fixture Count
Per IEBC 809.1 Occupant load is NOT increased by more than 20%. Existing Fixture Count will be maintained.

LEGEND

1 HOUR FIRE BARRIER
2 HOUR FIREWALL
STORM SHELTER AREA
EGRESS ACTUAL / MAX CAPACITY — EGRESS CAPACITY OF DOOR & DIRECTION
EGRESS ACTUAL / MAX CAPACITY — EGRESS CAPACITY OF STAIR & DIRECTION
FEC — FIRE EXTINGUISHER CABINET

NAME OF SPACE
FUNCTION
PER TABLE 1004.1.1
AREA (SF)
AREA OF SPACE

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MICHELLE R. WELLS
NUMBER A-2021031961
ARCHITECT
11/12/26

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DATE: 11/12/2026
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CODE PLAN

A0.1

Save

Code Plan Legend

- AS&M
- ASSEMBLY UNCONCENTRATED
- BUSINESS
- CLASSROOM
- EXERCISE ROOM
- KITCHEN
- LIBRARY (STACK AREA)
- LIBRARY *READING ROOMS)

JANITOR | FUNCTION | AS&M | AREA SF | 25 SF
COATS | FUNCTION | AS&M | AREA SF | 139 SF
COATS | FUNCTION | AS&M | AREA SF | 139 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 223 SF
READING SPECIALIST | FUNCTION | CLASSROOM | AREA SF | 183 SF
NURSE | FUNCTION | BUSINESS | AREA SF | 227 SF
GUIDANCE OFFICE | FUNCTION | BUSINESS | AREA SF | 138 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 177 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 177 SF
RESOURCE | FUNCTION | CLASSROOM | AREA SF | 349 SF
STORAGE | FUNCTION | AS&M | AREA SF | 213 SF
JANITOR | FUNCTION | AS&M | AREA SF | 14 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 88 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 768 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 787 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 788 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 819 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 789 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 744 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 791 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 788 SF
RESOURCE | FUNCTION | CLASSROOM | AREA SF | 411 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 784 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 819 SF
KINDERGARTEN | FUNCTION | CLASSROOM | AREA SF | 1071 SF
KINDERGARTEN | FUNCTION | CLASSROOM | AREA SF | 1072 SF
GYMNASIUM | FUNCTION | EXERCISE ROOM | AREA SF | 3474 SF
GYM OFFICE | FUNCTION | BUSINESS | AREA SF | 182 SF
STORAGE | FUNCTION | AS&M | AREA SF | 522 SF
RESOURCE | FUNCTION | CLASSROOM | AREA SF | 358 SF
COATS | FUNCTION | AS&M | AREA SF | 139 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 773 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 761 SF
LIBRARIAN | FUNCTION | BUSINESS | AREA SF | 151 SF
LOUNGE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 352 SF
JANITOR | FUNCTION | AS&M | AREA SF | 25 SF
COATS | FUNCTION | AS&M | AREA SF | 140 SF
RESOURCE | FUNCTION | CLASSROOM | AREA SF | 339 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 773 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 764 SF
LIBRARY | FUNCTION | LIBRARY | AREA SF | 2237 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 75 SF
SPEECH | FUNCTION | CLASSROOM | AREA SF | 114 SF
READING AREA | FUNCTION | LIBRARY | AREA SF | 832 SF
STORAGE | FUNCTION | AS&M | AREA SF | 76 SF
MULTI PURPOSE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 2008 SF
KITCHEN | FUNCTION | KITCHEN | AREA SF | 190 SF
STORAGE | FUNCTION | AS&M | AREA SF | 75 SF
STORAGE | FUNCTION | AS&M | AREA SF | 186 SF
JANITOR | FUNCTION | AS&M | AREA SF | 16 SF
ORCHESTRA | FUNCTION | CLASSROOM | AREA SF | 416 SF
OFFICE | FUNCTION | BUSINESS | AREA SF | 85 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 891 SF
BAND ROOM | FUNCTION | CLASSROOM | AREA SF | 446 SF
STORAGE | FUNCTION | AS&M | AREA SF | 214 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 773 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 787 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 742 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 779 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 782 SF
RESOURCE | FUNCTION | CLASSROOM | AREA SF | 404 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 662 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 810 SF
MUSIC ROOM | FUNCTION | CLASSROOM | AREA SF | 1077 SF
ELEC. | FUNCTION | AS&M | AREA SF | 190 SF
LOUNGE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 1041 SF
STORAGE | FUNCTION | AS&M | AREA SF | 112 SF
PRACTICE | FUNCTION | BUSINESS | AREA SF | 175 SF
ART STOR. | FUNCTION | AS&M | AREA SF | 163 SF
COATS | FUNCTION | AS&M | AREA SF | 95 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 767 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 785 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 789 SF
COATS | FUNCTION | CLASSROOM | AREA SF | 805 SF
ART ROOM | FUNCTION | CLASSROOM | AREA SF | 827 SF
MECH. | FUNCTION | AS&M | AREA SF | 69 SF
CLASSROOM | FUNCTION | CLASSROOM | AREA SF | 871 SF
SPECIAL DISTRICT | FUNCTION | CLASSROOM | AREA SF | 873 SF
STORAGE | FUNCTION | AS&M | AREA SF | 112 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 88 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 172 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 95 SF
CONFERENCE | FUNCTION | ASSEMBLY UNCONCENTRATED | AREA SF | 95 SF
COATS | FUNCTION | AS&M | AREA SF | 140 SF
COATS | FUNCTION | AS&M | AREA SF | 140 SF
WORKROOM | FUNCTION | BUSINESS | AREA SF | 115 SF
STORAGE | FUNCTION | AS&M | AREA SF | 176 SF
STORAGE | FUNCTION | AS&M | AREA SF | 47 SF
SECRETARY | FUNCTION | BUSINESS | AREA SF | 260 SF
PRINCIPAL | FUNCTION | BUSINESS | AREA SF | 174 SF
STORAGE | FUNCTION | AS&M | AREA SF | 210 SF
JANITOR | FUNCTION | AS&M | AREA SF | 25 SF
RESOURCE | FUNCTION | CLASSROOM | AREA SF | 340 SF
OBSERVATION | FUNCTION | BUSINESS | AREA SF | 97 SF

1 / A0.2 LEVEL 1 - LIFE SAFETY PLAN
1/16" = 1'-0"
SCALE: 1/16" = 1'-0"
0 8' 16' 32'

SCALE: 3" = 1'-0" 0 0.25' 0.5' 1'
SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2'
SCALE: 1" = 1'-0" 0 0.5' 1' 2'
SCALE: 3/4" = 1'-0" 0 1' 2' 3'
SCALE: 1/2" = 1'-0" 0 1' 2' 4'
SCALE: 1/4" = 1'-0" 0 2' 4' 8'
SCALE: 1/8" = 1'-0" 0 4' 8' 16'
SCALE: 1/16" = 1'-0" 0 8' 16' 32'

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Carman Trails Elementary School

555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
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Project No: 26015

Revisions

Description	Date

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DATE: 11/12/2026

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LIFE SAFETY PLAN

A0.2

SCALE: 3" = 1'-0" 1 0.5 0.25 0

SCALE: 1 1/2" = 1'-0" 2 1 0.5 0

SCALE: 1" = 1'-0" 2 1 0.5 0

SCALE: 3/4" = 1'-0" 3 2 1 0

SCALE: 1/2" = 1'-0" 4 2 1 0

SCALE: 1/4" = 1'-0" 8 4 2 0

SCALE: 1/8" = 1'-0" 16 8 4 0

SCALE: 1/16" = 1'-0" 32 16 8 0

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STANDARD ABBREVIATIONS

&	And	MB	Marker Board
@	At	MDF	Medium Density Fiberboard
ABV	Above	MECH	Mechanical
ACT	Acoustic Ceiling Tile	MFR	Manufacturer
ADA	American with Disabilities Act	MIN	Minimum
ADJ	Adjacent	MISC	Miscellaneous
AFF	Above Finish Floor	MO	Masonry Opening
ALUM	Aluminum	MTL	Metal
APROX	Approximate	NIC	Not In Contract
BLDG	Building	NTS	Not To Scale
BLK	Block	OC	On Center
BLKG	Blocking	OD	Outside Diameter
BM	Beam	OH	Opposite Hand
BO	Bottom Of	OPCI	Owner Provided Contractor Installed
CAB	Cabinetry	OPNG	Opening
CB	Chalk Board	OPP	Opposite
CJ	Construction/Control Joint	OPOI	Owner Provided Owner Installed
CL	Center Line	OSB	Oriented Strand Board
CLG	Ceiling	PL	Plate
CLR	Clear	PLAM	Plastic Laminate
CMU	Concrete Masonry Unit	PLAS	Plaster
CO	Clean Out	PLUM	Plumbing
COL	Column	PLYWD	Plywood
CONC	Concrete	PNT	Paint
CONST	Construction	PRLAM	Parallam
CONT	Continuous	PT	Porcelain Tile
CPT	Carpet	PVC	Polyvinyl Chloride
CPCI	Contractor Provided Contractor Installed	QT	Quarry Tile
CPOI	Contractor Provided Owner Installed	QTY	Quantity
		R	Riser
CSDO	Cased Opening	RB	Rubber Base
CT	Ceramic Tile	RD	Roof Drain
DF	Drinking Fountain	REINF	Reinforcing
DIA	Diameter	REQD	Required
DR	Door	RM	Room
DS	Downspout	RO	Rough Opening
DTL	Detail	SC	Solid Core
DWG	Drawing	SECT	Section
EJ	Expansion Joint	SHT	Sheet
EL	Elevation	SIM	Similar
ELEC	Electrical	SPEC	Specification
ELEV	Elevator	SSTL	Stainless Steel
EQ	Equal	STD	Standard
EQIV	Equivalent	STL	Steel
EWC	Electric Water Cooler	STOR	Storage
EXIST	Existing	STRUC	Structural
EXP	Exposed	SV	Sheet Vinyl
EXT	Exterior	T	Tread
FD	Floor Drain	TB	Tack Board
FEC	Fire Extinguisher Cabinet	TNG	Tongue & Groove
		TO	Top Of
FIN	Finish	TYP	Typical
FLR	Floor	UNO	Unless Noted Otherwise
FO	Face Of		
FT	Feet	VB	Vinyl Base
FRT	Fire Retardant Treated	VCT	Vinyl Composition Tile
		VERT	Vertical
FTG	Footing	VIF	Verify In Field
GC	General Contractor	VWC	Vinyl Wall Covering
GFI	Ground Fault Interrupter	w/	With
GYP	Gypsum Board	w/o	Without
HDR	Header	WC	Water Closet (Toilet)
HM	Hollow Metal	WD	Wood
HORZ	Horizontal	WDW	Window
HR	Hour	WPR	Waterproofing
HVAC	Heating Ventilating and Air Conditioning	WWF	Welded Wire Fabric
ID	Inside Diameter		
INSUL	Insulation		
INT	Interior		
JAN	Janitor		
LAV	Lavatory (Sink)		

PLAN SYMBOLS LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- NEW CONSTRUCTION

ELEVATION SYMBOL LEGEND

- WINDOW TYPE
- DOOR NUMBER
- REFER TO KEYNOTE LEGEND
- BRICK MASONRY
- METAL PANELS

SYMBOL LEGEND

- OUTLINE OF HIDDEN OBJECTS, NIC ITEMS, REMOVED MATERIALS
- CENTER LINE OR FLOOR LINE
- COLUMN GRID LINE
- LEVEL NAME / ELEVATION — ELEVATION
- SECTION NUMBER / SHEET NAME (1 / A1.0)
- ELEVATION NUMBER / SHEET NAME (A1.0)
- REVISION CLOUD & NUMBER
- BREAKLINE
- PLAN MATCHLINE (1/A102 / 1/A101)
- TRUE NORTH
- ROOM TAG (ROOM NAME / 101)
- DOOR TAG
- WINDOW TAG
- KEYNOTE
- CEILING HEIGHT TAG (1'-0")
- WALL PARTITION TYPE (2a)

GENERAL NOTES

1. VERIFY AND COORDINATE ALL DIMENSIONS AT JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS PRIOR TO BIDDING AND START OF AND DURING CONSTRUCTION. IF ANY DISCREPANCIES, INCONSISTENCIES OR OMISSIONS ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED, IN WRITING, FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
2. IF DISCREPANCIES ARE FOUND WITHIN CONTRACT DOCUMENTS AND PROJECT MANUAL, OR IN THE CASE OF CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE MOST DEMANDING AND/OR COST INTENSIVE REQUIREMENT SHALL TAKE PRECEDENCE UNLESS OTHERWISE AGREED BY THE ARCHITECT IN WRITING. NOTIFY THE ARCHITECT & GENERAL CONTRACTOR OF ANY CONFLICT AND GET CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING WITH THE WORK.
3. DO NOT SCALE DRAWINGS. RELY ON WRITTEN DIMENSIONS GIVEN. NOTIFY THE ARCHITECT FOR CLARIFICATIONS. ALL DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OF THE WORK OF ALL TRADES. IF DISCREPANCIES ARE FOUND, NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE THE COMMENCEMENT OR RESUMPTION OF WORK.
4. VERIFY ALL COLUMN COORDINATES AND CHECK AGAINST DIMENSIONS SHOWN ON PLANS AND DETAILS.
5. IN THE CASE OF CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, NOTIFY THE ARCHITECT IN WRITING. NOTIFY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR OF ANY CONFLICT AND GET CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING WITH THE WORK.
6. ABBREVIATIONS THROUGHOUT THE PLANS ARE THOSE IN COMMON USE. NOTIFY THE ARCHITECT OF ANY ABBREVIATIONS IN QUESTION.
7. DIMENSIONS SHOWN ON FLOOR PLANS, SECTIONS, ELEVATIONS, AND DETAILS ARE TO FINISH FACE OF PARTITIONS, MASONRY, OR COLUMN GRID LINES, UNLESS OTHERWISE NOTED.
8. COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE ALL CEILINGS (INCLUDING, BUT NOT LIMITED TO: STRUCTURAL MEMBERS, MECHANICAL DUCTS AND INSULATION, CONDUITS, RACEWAYS, SPRINKLER SYSTEM, LIGHT FIXTURES,CEILING SYSTEMS, AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND MAINTAIN THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED IN THE DRAWINGS AND THE FINISH SCHEDULE. (CEILING HEIGHT DIMENSIONS ARE TO THE FINISH SURFACE OF CEILING).
9. PROVIDE AND INSTALL ACCESS PANELS WHERE SHOWN ON THE REFLECTED CEILING PLANS AND AS REQUIRED BY BUILDING CODE OR FOR THE PROPER OPERATION OR MAINTENANCE OF MECHANICAL OR ELECTRICAL EQUIPMENT, WHETHER OR NOT INDICATED ON THE DRAWINGS. COORDINATE SIZE, LOCATION, AND TYPE OF ACCESS PANEL WITH OTHER WORK AND RECEIVE APPROVAL OF THE ARCHITECT. ACCESS PANEL SHALL BE AS SPECIFIED.
10. ROOM FINISHES SHOWN IN THE FINISH SCHEDULE SHALL APPLY TO ALL ALCOVES, FREESTANDING COLUMNS, OR OTHER ANCILLARY SPACES ADJOINING THE SCHEDULED ROOM UNLESS OTHERWISE NOTED.
11. FOR ALL METAL STUD PARTITIONS, INSTALL DOUBLE STUDS (MIN) AT DOOR FRAME JAMBS. INSTALL STUD TRACKS AT EACH SIDE OF OPENING, AT FRAME HEAD HEIGHT AND BETWEEN STUDS AND ADJACENT STUDS.
12. INSTALL ALL WORK PLUMB, LEVEL, TRUE, SQUARE, STRAIGHT AND IN PROPER ALIGNMENT WITH NO DISTORTIONS, PROVIDE SHIMS AS REQUIRED.
13. PROVIDE AND INSTALL CORNER BEADS, EDGE TRIM, JOINT MATERIALS AND FASTENERS TO ENSURE PROPER INSTALLATION OF GYPSUM WALL BOARD. PLACE CORNER BEADS AT EXTERNAL CORNERS. PLACE TAPED EDGE TRIM WHERE GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.
14. INTERIOR METAL STUD PARTITIONS SHALL BE FACED WITH 5/8 INCH TYPE X GYPSUM WALL BOARD UNLESS NOTED OTHERWISE.
15. PROVIDE LATERAL BRACING OF INTERIOR PARTITIONS THAT DO NOT EXTEND TO DECK ABOVE AS REQUIRED TO MEET LOCAL REQUIREMENTS FOR SEISMIC BRACING, UNO.
16. INSTALLATION OF SUSPENDED CEILING SYSTEMS SHALL MEET LOCAL CODE REQUIREMENTS FOR SEISMIC BRACING.
17. WHERE INDICATED ON THE DRAWINGS, PROVIDE ACOUSTIC BLANKETS IN PARTITIONS TIGHT WITHIN SPACE, AROUND CUT OPENINGS, BEHIND AND AROUND ELECTRICAL AND MECHANICAL ITEMS WITHIN OR BEHIND PARTITIONS, AND TIGHT TO ITEMS PASSING THROUGH PARTITIONS.
18. PROVIDE FIRE TREATED 2 INCH X 6 INCH NOMINAL WOOD BLOCKING OR EQUIVALENT METAL STRAPPING RUNNING CONTINUOUSLY BETWEEN STUDS FOR ALL WALL HUNG EQUIPMENT OR OTHER ITEMS ATTACHED TO GYPSUM WALL BOARD PARTITIONS.
19. PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ACCESSORIES AND OF ALL FLOOR-MOUNTED OR SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.
20. PROVIDE FIRE SAFING INSULATION PER UL LISTED REQ'D AT ALL PIPE, DUCT, ELECTRICAL, ETC., PENETRATIONS THROUGH CONCRETE FLOOR SLABS AND AT FIRE AND SMOKE WALLS.
21. ALL EXPOSED STEEL ANGLES, PLATES, ETC., SHALL BE GALVANIZED FOR CORROSION RESISTANCE UNLESS NOTED OTHERWISE.
22. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN TYPICAL ELEVATION MOUNTING HEIGHTS/LOCATIONS AND MANUFACTURER'S RECOMMENDATIONS FOR ADA COMPLIANCE PRIOR TO INSTALLATION.
23. CONTRACTOR TO RETAIN FLOATABLE WIND BLOWN MATERIALS ON SITE BY STORING ALL TRASH AND BUILDING MATERIAL WASTE IN ENCLOSURES UNTIL PROPER DISPOSAL AT AN OFF-SITE FACILITY. CONTRACTOR TO CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIAL AND DEBRIS THAT HAVE BLOWN OR WASHED OFF-SITE.
24. ALIGN FINISH FACE OF NEW PARTITION WITH FINISH FACE OF FURRED OUT PARTITION, UON.
25. CONTRACTOR TO VERIFY FLOOR FLATNESS AFTER DEMO AND PARTITIONS AND STOREFRONTS ARE MARKED ON FLOOR. IF FLOOR IS OUT OF FLATNESS BY MORE THAN SPECIFIED IN 03 30 00, APPLY HYDRAULIC CEMENT UNDERLAYMENT SPECIFIED IN 03 54 16 TO CORRECT FLOOR PRIOR TO CONSTRUCTION OF ALL PARTITIONS AND STOREFRONTS. PROVIDE UNIT COST.
26. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY PROTECTION, FENCING AND PARTITIONS AS NECESSARY
27. IF HAZARDOUS MATERIAL IS ENCOUNTERED NOTIFY ARCHITECT & OWNER IMMEDIATELY.
28. UNLESS SPECIFICALLY INDICATED OTHERWISE, THE SAME WALL TYPE NEXT TO A DOOR OR OPENING SHALL CONTINUE OVER THE DOOR, OPENING OR STOREFRONT.
29. IN THE ABSENCE OF A WRITTEN DIMENSION, OR IN CASE OF DOUBT AS TO THE PROPER MEASUREMENT, CONSULT THE ARCHITECT FOR CLARIFICATION.
30. TYPICAL DETAILS THROUGHOUT THE DRAWING SET SHALL APPLY FOR ALL APPLICABLE CONDITIONS EVEN IF NOT SPECIFICALLY SHOWN OR REFERENCED.
31. UNLESS SPECIFICALLY NOTED OTHERWISE, ENCLOSE ALL VERTICAL MECHANICAL PIPES, RAIN LEADERS, ETC. WITH 4" CMU OR GYPSUM BOARD TO MATCH SURROUNDING FINISHES.

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BUILDING RENOVATION & SITE IMPROVEMENTS

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Project No: 26015

Revisions

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GENERAL NOTES & SYMBOLS

A0.3

Save

SCALE: 3" = 1'-0"
SCALE: 1 1/2" = 1'-0"
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SCALE: 1/16" = 1'-0"

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HAZARDOUS MATERIALS GENERAL NOTES:

ABATEMENT AND HAZARDOUS MATERIALS NOTED IN THESE DOCUMENTS HAVE BEEN PROVIDED BY PARKWAY SCHOOL DISTRICT'S ABATEMENT RECORDS PLANS AND DOCUMENTS. CONTRACTOR TO REVIEW ALL HAZARDOUS MATERIALS DOCUMENTS PRIOR TO THE START OF CONSTRUCTION. BOND ARCHITECTS HAS NO JURISDICTION OVER HANDLING HAZARDOUS MATERIALS.

STOP WORK AND NOTIFY OWNER OF ANY HAZARDOUS MATERIALS ENCOUNTERED THAT WERE NOT PREVIOUSLY IDENTIFIED; OWNER'S CONSULTANT SHALL SAMPLE MATERIAL(S) AND HAVE MATERIAL(S) ANALYZED BY NVLAP-APPROVED LABORATORY. IF FOUND BY OWNER'S CONSULTANT TO BE A HAZARDOUS MATERIAL, ASBESTOS ABATEMENT CONTRACTOR SHALL CONTAIN AND ABATE, REPAIR, OR ENCAPSULATE AS REQUIRED FOR NEW WORK AS DIRECTED BY OWNER.

REGULATED MATERIAL ABATEMENT GENERAL NOTES:

1. REFER TO PINCHIN'S PROJECT INFORMATION PACKET (PROJECT INFORMATION FORM, PHOTOGRAPHS AND REGULATED MATERIALS DRAWINGS) INCLUDED IN PROJECT MANUAL IN CONJUNCTION WITH OWNER PROVIDED HAZARDOUS MATERIAL DRAWINGS PRIOR TO ANY DEMOLITION OR CONSTRUCTION.
2. ANY NOTES ON ARCHITECTURAL DRAWINGS REGARDING HAZARDOUS MATERIALS ARE FOR REFERENCE ONLY. CONTRACTOR TO REFER TO AND COORDINATE WITH PINCHIN'S PROJECT INFORMATION PACKET AND OWNER'S HAZARDOUS MATERIAL DRAWINGS.
3. IF UNEXPECTED HAZARDOUS MATERIAL ARE ENCOUNTERED, STOP WORK AND NOTIFY OWNER OF ANY HAZARDOUS MATERIALS ENCOUNTERED THAT WERE NOT PREVIOUSLY IDENTIFIED; OWNER'S CONSULTANT SHALL SAMPLE MATERIAL(S) AND HAVE MATERIAL(S) ANALYZED BY NVLAP-APPROVED LABORATORY. IF FOUND BY OWNER'S CONSULTANT TO BE A HAZARDOUS MATERIAL, ASBESTOS ABATEMENT CONTRACTOR SHALL CONTAIN AND ABATE, REPAIR, OR ENCAPSULATE AS REQUIRED FOR NEW WORK AS DIRECTED BY OWNER.
4. ALL ABATEMENT, REPAIR OR ENCAPSULATION TO BE PERFORMED BY LICENSED ABATEMENT CONTRACTORS.
5. NEW CONSTRUCTION MAY REQUIRE ABATEMENT, REGARDLESS OF PRIOR DEMOLITION.
6. NEW CONNECTIONS TO EXISTING STRUCTURE MAY REQUIRE ABATEMENT AT CONNECTION LOCATIONS. PRIOR TO WELDING, DRILLING, OR ANY OTHER CONNECTION METHOD, VERIFY PRESENCE OF REGULATED MATERIAL PER OWNER'S HAZARDOUS MATERIAL DRAWINGS AND PINCHIN'S PROJECT INFORMATION PACKET.
7. CONNECTIONS INCLUDE, BUT ARE NOT LIMITED TO, WALL BRACING, DEFLECTION TRACKS, CEILING HANGERS, DUCT HANGERS, EQUIPMENT HANGERS, LIGHTING, PLUMBING SUPPORTS, STRUCTURAL STEEL AND OTHER PENETRATIONS PER OWNER'S HAZARDOUS MATERIAL DRAWINGS.
8. WELDED CONNECTIONS ARE TO BE ABATED TO THE EXTENT WHICH MINIMIZES HEAT-GENERATED HAZARDS PER OWNER'S HAZARDOUS MATERIAL DRAWINGS.
9. DRILLED CONNECTIONS ARE TO BE ABATED TO THE EXTENT WHICH MINIMIZES PARTICLE-GENERATED HAZARDS PER OWNER'S HAZARDOUS MATERIAL DRAWINGS.

GENERAL ASSET PROTECTION NOTES:

1. ALL ITEMS NOTED TO BE REMOVED AND STORED SHALL BE REMOVED BY CONTRACTOR PRIOR TO BEGINNING ANY ABATEMENT WORK.
2. ALL CASEWORK IN ROOMS WITH DEMOLITION WORK TO BE PROTECTED. CONTRACTOR TO COORDINATE CASEWORK PROTECTION TO REMAIN IN ROOMS RECEIVING ASBESTOS ABATEMENT THROUGHOUT PROCESS. HORIZONTAL SURFACES SHALL BE COVERED WITH SHEET PLASTIC OVER CARDBOARD. VERTICAL SURFACES SHALL BE COVERED WITH SHEET PLASTIC.
3. CONTRACTOR TO PROTECT ALL CARPET FLOORING WITH SELF-ADHERING FILM IN ROOMS RECEIVING ASBESTOS ABATEMENT THROUGHOUT CONSTRUCTION PROCESS.
4. CONTRACTOR TO PROTECT ALL RESILIENT FLOORING WITH PLASTIC FLOOR RUNNERS TAPED OVER HARDBOARD (MASONITE) IN ROOMS RECEIVING ASBESTOS ABATEMENT THROUGHOUT CONSTRUCTION PROCESS.
5. CONTRACTOR TO COORDINATE THE REMOVAL, STORAGE, & REINSTALLATION OF ALL REMAINING FURNITURE & ITEMS NOT AFFIXED TO BUILDING DURING CONSTRUCTION.
6. ALL BUILT-IN SHELVING IN CLOSET SPACES TO REMAIN. REQUIRES SHEET PLASTIC PROTECTION THROUGH ALL PHASES OF CONSTRUCTION.
7. REMOVAL AND STORAGE OF INTERACTIVE WHITE BOARDS BY OWNER'S SUPPLIER:
8. AT ANY ROOM REQUIRING ACT CEILING REMOVAL: REMOVE, SALVAGE, AND STORE CEILING TILES & LIMITED CROSS TEE'S. CONSOLIDATE ALL UNDAMAGED EXISTING TILES INTO CLASSROOMS AND REINSTALL PANELS AND CROSS TEES. PROVIDE NEW CEILING PANELS IN CORRIDORS AND REINSTALL EXISTING CROSS TEES.
9. CONTRACTOR IS RESPONSIBLE MONETARILY & FOR THE LABOR COORDINATION OF INTERACTIVE WALL-MOUNTED PROJECTORS. REMOVAL OF WALL-MOUNTED INTERACTIVE WHITE BOARD AND PROJECTOR TO BE BY PSD CERTIFIED SMART-BOARD INSTALLER - SHILLERS A/V - SEE ELECTRICAL DRAWINGS. INTERACTIVE-BOARD INSTALLER TO STORE EQUIPMENT FOR DURATION OF CONSTRUCTION.
10. CONTRACTOR TO PROTECT ALL EXISTING DOORS AND WINDOWS WITHIN WORK AREA AND ALONG WORK ACCESS PATH.
11. REMOVAL, RELOCATION, AND REINSTALLATION OF SOLAR ARRAY BY OWNER'S SUPPLIER: STRAIGHT UP SOLAR.

SELECTIVE DEMOLITION NOTE – EXISTING DOORS AND WINDOWS:

REMOVE EXISTING DOOR AND WINDOW ASSEMBLIES WITH CARE AND PRECISION. PERFORM DEMOLITION IN A CONTROLLED MANNER TO PRESERVE ADJACENT CONSTRUCTION. PROTECT ALL SURFACES AROUND THE OPENING. PREVENT DAMAGE TO EXISTING MASONRY AND MAINTAIN THE INTEGRITY OF SURROUNDING MATERIALS. LIMIT DEMOLITION OF ADJACENT METAL STUD FRAMING, GYPSUM BOARD, FINISHES, AND OTHER WALL SURFACING TO A MAXIMUM OF 6 INCHES BEYOND THE PERIMETER OF THE EXISTING OPENING. REPAIR OR REPLACE ONLY THOSE MATERIALS NECESSARY TO FACILITATE INSTALLATION OF THE NEW ASSEMBLY AND RESTORE ADJACENT CONSTRUCTION TO MATCH EXISTING CONDITIONS. PAINTING OF REPAIRED WALL SHALL EXTEND TO NEAREST CORNER. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL WALLS/CEILINGS/FLOORS BEYOND LIMITS ALLOWED. CONTRACTOR TO NOTIFY OWNER/ARCHITECT IMMEDIATELY IF UNFORESEEN CONDITIONS ARE UNCOVERED.

GENERAL DEMOLITION NOTES

1. THE SCOPE OF DEMOLITION WORK IS NOT LIMITED EXCLUSIVELY TO THE WORK INDICATED ON THE DEMOLITION SHEETS. THE CONSTRUCTION DOCUMENTS ARE PROVIDED AS A GENERAL GUIDE FOR DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADDITIONAL DEMOLITION THAT MAY BE REQUIRED FOR DEMOLITION AND PROPER INSTALLATION OF NEW WORK PRIOR TO BID. REFER TO ALL CONSTRUCTION DOCUMENTS FOR ADDITIONAL DEMOLITION INFORMATION AND COORDINATION.
2. ALL EXISTING PIPING, DUCTS, ETC THAT HAVE BEEN ABANDONED ARE TO BE REMOVED. ABANDONED PIPING BELOW CONCRETE SLABS ON GRADE ARE TO BE CAPPED BELOW FLOOR LEVEL. COORDINATE WITH MEP.
3. REMOVE ALL WALL MOUNTED ACCESSORIES, HANGERS, WIRE MOLD & HARDWARE. SALVAGE ACCESSORIES FOR POSSIBLE REUSE.
4. OWNER TO HAVE SALVAGE RIGHTS ON ALL ITEMS WHETHER NOTED ON THE PLANS OR NOT. GENERAL CONTRACTOR TO DISPOSE OF ALL ITEMS NOT REUSED IN THE PROPOSED WORK.
5. COORDINATE DEMOLITION WORK WITH THE NEW CONSTRUCTION SHOWN IN THE DRAWINGS. DUE CARE IS TO BE TAKEN TO AVOID UNDUE DAMAGE TO ADJACENT AREAS, OCCUPIED AND UNOCCUPIED. ADJACENT SURFACES DAMAGED DUE TO DEMOLITION SHALL BE REPAIRED IN ORDER TO ACHIEVE A SEAMLESS APPEARANCE.
6. WHEREVER DEMOLITION OCCURS, THE REMAINING FLOOR, WALLS, AND CEILINGS ARE TO BE PATCHED TO MATCH THE ADJACENT WITH CONTINUOUS SURFACE MATERIAL, TEXTURE, COLOR & FINISH.
7. AREAS IMMEDIATELY ADJACENT TO THE AREA OF THIS WORK MAY BE OCCUPIED BY THE OWNER DURING THE DEMOLITION AND NEW CONSTRUCTION WORK. CONTRACTOR SHALL PROVIDE PROTECTIONS FOR OWNER'S PERSONNEL AND ALL OTHER USERS OF THE SURROUNDING AREAS. CONTRACTOR SHALL PROVIDE PROTECTION FROM THE SPREAD OF DUST AND DIRT DURING THE ENTIRE DEMOLITION AND NEW CONSTRUCTION PERIOD.
8. UNLESS NOTED OTHERWISE, ALL PARTITIONS INDICATED FOR REMOVAL SHALL BE REMOVED TO THE UNDERSIDE OF STRUCTURE ABOVE.
9. IF HAZARDOUS MATERIALS ARE ENCOUNTERED THE ARCHITECT & OWNER ARE TO BE NOTIFIED IMMEDIATELY.
10. CONTRACTOR TO VERIFY EXISTING CONDITION OF ALL ITEMS TO BE DEMOLISHED IN THE FIELD.
11. PATCH/REPAIR ALL AREAS DAMAGED DURING SELECTIVE DEMOLITION.
12. PROVIDE TEMPORARY SHORING AT ALL CEILINGS/WALLS WHERE DEMOLITION MAY COMPROMISE THE STABILITY AND/OR STRUCTURAL INTEGRITY OF THE SYSTEM.
13. MINIMIZE DEMOLITION OF SLAB TO AREAS DESIGNATED IN PLUMBING DEMOLITION AND NEW PLUMBING PLANS
14. SALVAGE EXISTING NON-DEFECTIVE BRICK MATERIALS REMOVED DURING DEMOLITION FOR REUSE AT AREAS TO BE INFILLED.
15. CONTRACTOR TO COORDINATE REMOVAL OF ALL EQUIPMENT AND FURNITURE WITH OWNER PRIOR TO START OF DEMOLITION.
16. REMOVE AND STORE ALL FIRE EXTINGUISHERS, WHICH HAVE NOT EXPIRED, FOR REUSE.
17. ALL SPRINKLER PIPE & HEADS TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION, PROTECT AS REQUIRED UNLESS NOTED OTHERWISE.
18. REMOVE EXISTING WALL BASE, UNLESS NOTED OTHERWISE.
19. REMOVE ALL EXISTING FLOOR COVERINGS UNLESS NOTED OTHERWISE.
20. CONTRACTOR TO COORDINATE REMOVAL OF ALL EQUIPMENT AND FURNITURE WITH OWNER PRIOR TO START OF DEMOLITION.
21. WHERE DOOR(S) INDICATED TO BE REMOVED, REMOVE FRAME(S) AND ALL ASSOCIATED HARDWARE, UNLESS NOTED OTHERWISE.
22. WHERE WINDOWS(S) INDICATED TO BE REMOVED, REMOVE FRAME(S) AND ALL ASSOCIATED HARDWARE, UNLESS NOTED OTHERWISE.
23. CONTRACTOR TO VERIFY WALL CONSTRUCTION OF ALL WALLS RELATED TO WORK.
24. AFTER CEILING FINISH HAS BEEN REMOVED, CONTRACTOR TO IDENTIFY MEP/S SYSTEMS TO BE REMOVED FOR ONSITE REVIEW WITH ARCHITECT & ENGINEERS
25. SALVAGE AND RELOCATE DONATED FURNITURE, PLAQUES, SIGNS, ETC. COORDINATE WITH OWNER.
26. CONSTRUCT NEW PARTITIONS TIGHT TO EXISTING STRUCTURE, UON.
27. CONTRACTOR TO COORDINATE REMOVAL OF ALL EQUIPMENT AND FURNITURE WITH OWNER PRIOR TO START OF DEMOLITION.
28. EXISTING BLOCKING UNCOVERED THROUGH DEMOLITION TO BE REPLACED WITH FRT BLOCKING - SEE SPECIFICATIONS.
29. REPLACE ALL EXISTING FIREPROOFING WHERE DISTURBED W/ EQUIVALENT MATERIAL & RATING.
30. RELOCATE CONTROLS (ELEVATOR CALL BUTTON, ETC), DEVICES, AND OUTLETS NOT DEMO'D TO THE FINISH FACE OF NEW PARTITION.
31. WHERE EXISTING WALLS MUST BE CUT FOR NEW WORK, WALLS ARE TO BE PATCHED AND PAINTED TO MATCH EXISTING CONDITIONS. PAINT ENTIRE WALL/CEILING TO NEAREST CORNER.
32. ANY EXISTING MATERIALS DAMAGED BY WORK SHOULD BE REPAIRED TO MATCH EXISTING.
33. PATCH AND REPAIR WALLS, FLOORS, CEILINGS WHERE DEVICES WERE REMOVED.

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Certificate of Authority #
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314.230.0182 tel
Contact: Megan Kienker
Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School

555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd.
Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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DATE: 11/12/2026

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GENERAL DEMOLITION NOTES

A0.4

Save

SCALE: 3" = 1'-0" 0 0.25' 0.5' 1'
SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2'
SCALE: 1" = 1'-0" 0 0.5' 1' 2'
SCALE: 3/4" = 1'-0" 0 1' 2' 3'
SCALE: 1/2" = 1'-0" 0 2' 4'
SCALE: 1/4" = 1'-0" 0 2' 4' 8'
SCALE: 1/8" = 1'-0" 0 4' 8' 16'
SCALE: 1/16" = 1'-0" 0 8' 16' 32'

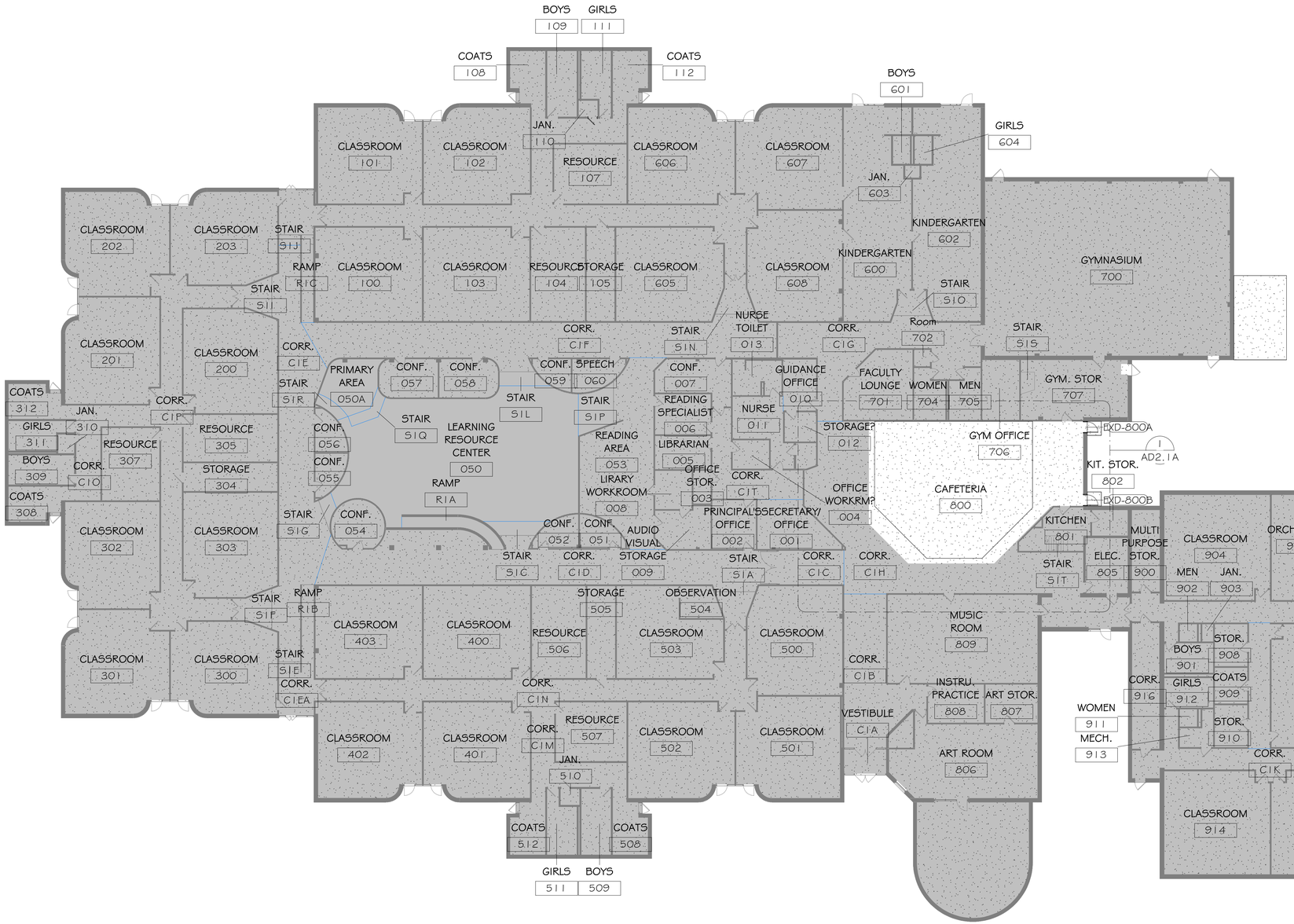
EXISTING FLOOR LEVELS LEGEND:

ARCHITECTURAL FLOOR LEVEL	=	CIVIL F.F.E	=	FLOOR LEVEL NAME
+ 103'-6"		(F.F.E. 567.5')		TEACHER PLANNING FLOOR
+ 102'-0"		(F.F.E. 566.0')		CLASSROOM FLOOR
+ 100'-0"		(F.F.E. 564.0')		MAIN LEVEL 1 (GYM FLOOR)
+ 99'-0"		(F.F.E. 563.0')		CAFETERIA FLOOR
+ 97'-6"		(F.F.E. 561.5')		LIBRARY FLOOR

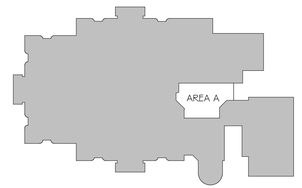
(SEE CIVIL FOR SITE GRADING AND SPOT ELEVATIONS.)

SCOPE LEGEND

NO ARCHITECTURAL WORK IN THIS AREA FOR WORK DESCRIBED ON THIS PAGE. WORK MAY BE INCLUDED IN THESE AREAS ON OTHER SHEETS.



N 1 AD2.1 LEVEL 1 DEMOLITION PLAN 1/16" = 1'-0"



N KEY PLAN 1" = 100'-0"

OVERALL DEMO PLAN GENERAL NOTE:
THIS ARCHITECTURAL OVERALL DEMOLITION PLAN IS PROVIDED TO SHOW THE GENERAL LAYOUT OF THE BUILDING & WHERE THE SCOPE OF ARCHITECTURAL WORK GENERALLY OCCURS. SEE ENLARGED DEMOLITION PLAN FOR DETAILED PLAN AND SCOPE OF WORK. SEE ALSO CIVIL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR THEIR RESPECTIVE SCOPES OF WORK.

SEE ALL NOTES ON GENERAL NOTES & ABBREVIATIONS SHEET A0.3:
- GENERAL NOTES
- ABBREVIATIONS

SEE ALSO GENERAL NOTES AND SYMBOLS ON SHEET A0.4
SEE ALL NOTES ON DEMOLITION GENERAL NOTES SHEET A0.5:
- HAZARDOUS MATERIALS GENERAL NOTES
- REGULATED MATERIAL ABATEMENT GENERAL NOTES
- GENERAL ASSET PROTECTION NOTES
- GENERAL DEMOLITION NOTES

SEE ALSO C, S, E & M DRAWINGS FOR C, S, E & M SCOPE OF WORK.

NOTE TO CONTRACTOR:
ABATEMENT AND HAZARDOUS MATERIALS NOTED IN THESE DOCUMENTS HAVE BEEN PROVIDED BY PARKWAY SCHOOL DISTRICT'S ABATEMENT RECORDS PLANS AND DOCUMENTS. CONTRACTOR TO REVIEW ALL HAZRDOUS MATERIALS DOCUMENTS PRIOR TO THE START OF CONSTRUCTION. NOTIFY OWNER IF ANY ADDITIONAL HAZARDOUS MATERIALS ARE FOUND, OWNER'S CONSULTANT SHALL TEST, CONTAIN AND REMOVE AS REQUIRED FOR NEW WORK. BOND ARCHITECTS HAS NO JURISDICATION OVER HANDLING HAZARDOUS MATERIALS.

SELECTIVE DEMOLITION NOTE – EXISTING DOORS AND WINDOWS:

REMOVE EXISTING DOOR AND WINDOW ASSEMBLIES WITH CARE AND PRECISION. PERFORM DEMOLITION IN A CONTROLLED MANNER TO PRESERVE ADJACENT CONSTRUCTION. PROTECT ALL SURFACES AROUND THE OPENING. PREVENT DAMAGE TO EXISTING MASONRY AND MAINTAIN THE INTEGRITY OF SURROUNDING MATERIALS. LIMIT DEMOLITION OF ADJACENT METAL STUD FRAMING, GYPSUM BOARD, FINISHES, AND OTHER WALL SURFACING TO A MAXIMUM OF 6 INCHES BEYOND THE PERIMETER OF THE EXISTING OPENING. REPAIR OR REPLACE ONLY THOSE MATERIALS NECESSARY TO FACILITATE INSTALLATION OF THE NEW ASSEMBLY AND RESTORE ADJACENT CONSTRUCTION TO MATCH EXISTING CONDITIONS. PAINTING OF REPAIRED WALL SHALL EXTEND TO NEAREST CORNER. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL WALLS/CEILINGS/FLOORS BEYOND LIMITS ALLOWED. CONTRACTOR TO NOTIFY OWNER/ARCHITECT IMMEDIATELY IF UNFORESEEN CONDITIONS ARE UNCOVERED.

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BUILDING RENOVATION & SITE IMPROVEMENTS
Parkway School District
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314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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DATE: 11/12/2026
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OVERALL DEMO PLAN

AD2.1

11/4/2026 11:04:29 AM

Save

SCALE: 3" = 1'-0" (0, 0.25', 0.5', 1')
SCALE: 1 1/2" = 1'-0" (0, 0.5', 1', 2')
SCALE: 1" = 1'-0" (0, 0.5', 1', 2')
SCALE: 3/4" = 1'-0" (0, 1, 2, 3')
SCALE: 1/2" = 1'-0" (0, 2, 4')
SCALE: 1/4" = 1'-0" (0, 2, 4, 8')
SCALE: 1/8" = 1'-0" (0, 4, 8, 16')
SCALE: 1/16" = 1'-0" (0, 8, 16, 32')

SCOPE LEGEND

NO ARCHITECTURAL WORK IN THIS AREA FOR WORK DESCRIBED ON THIS PAGE. WORK MAY BE INCLUDED IN THESE AREAS ON OTHER SHEETS.

REMOVE VCT FLOORING (SEE KEYNOTE 0236)

REMOVE RUBBER FLOORING (SEE KEYNOTE 0241)

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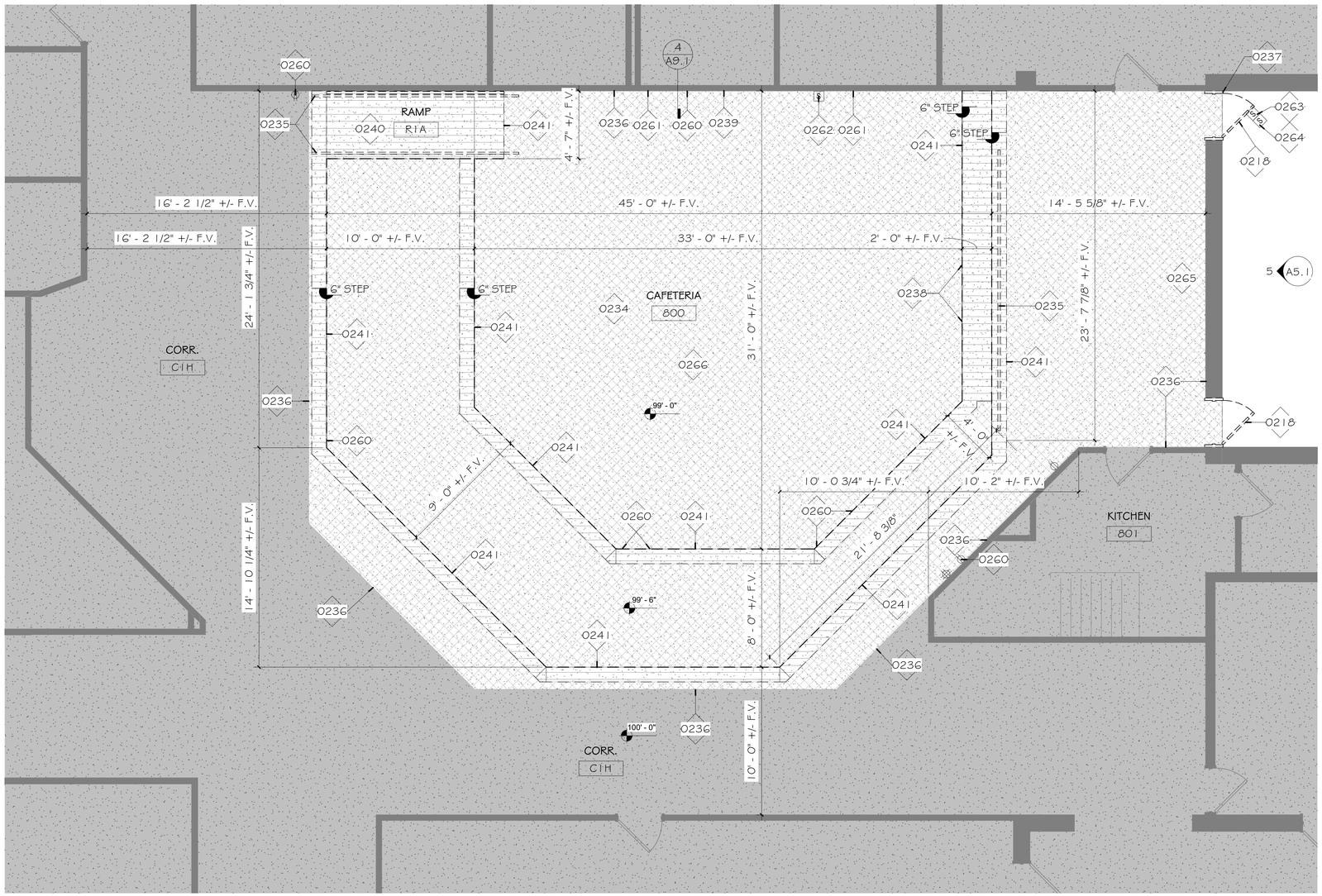
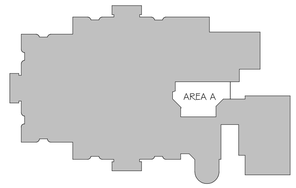


1 LEVEL 1 DEMOLITION PLAN - Callout 1
AD2.1A 1/4" = 1'-0" REF: 1/AD2.1



N KEY PLAN
1" = 100'-0"

SEE ALL NOTES ON GENERAL NOTES & ABBREVIATIONS SHEET A0.3:
- GENERAL NOTES
- ABBREVIATIONS

SEE ALSO GENERAL NOTES AND SYMBOLS ON SHEET A0.4
SEE ALL NOTES ON DEMOLITION GENERAL NOTES SHEET A0.5:
- HAZARDOUS MATERIALS GENERAL NOTES
- REGULATED MATERIAL ABATEMENT GENERAL NOTES
- GENERAL ASSET PROTECTION NOTES
- GENERAL DEMOLITION NOTES

SEE ALSO C, S, E & M DRAWINGS FOR C, S, E & M SCOPE OF WORK.

Keynote Legend	
Key Value	Keynote Text
0218	ABATEMENT CONTRACTOR TO ABATE LEAD BASED PAINT AT STEEL LINTELS ABOVE DOOR PER PIF & ABATEMENT CONTRACTOR TO ABATE ANY VERMICULITE RELEASED AND SEAL OPENINGS PER PIF WHILE REMOVING DOORS AND FRAMES. REMOVE DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. SALVAGE ALL HARDWARE FOR POTENTIAL REUSE OR RETURN TO OWNER.
0234	AT HATCHED AREA, REMOVE FLOOR FINISH AND WALL BASE. PREP FOR NEW WORK.
0235	REMOVE RAILING. SALVAGE AND RETURN TO OWNER. REPAIR & PREP CONCRETE SLAB FOR NEW FINISHES.
0236	CONTRACTOR TO REMOVE VCT TILES WHERE SHOWN TO CLOSEST FULL TILE (OR PARTIAL TILES ADJACENT TO WALLS). DO NOT CUT TILES EXCEPT AS NEEDED AT DIAGONAL.
0237	REMOVE DOORBELL, WIRING, & ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION.
0238	REMOVE AUDIO JACKS IN EXISTING RISERS. SEE ELECTRICAL.
0239	SEE DEMO DETAIL FOR EXTENTS OF WALL REMOVAL.
0240	DEMOLISH PORTION OF EXISTING CONCRETE RAMP TO EXTENT REQUIRED FOR FULL DEPTH OF CONCRETE TOPPING SLAB, COORDINATE WITH NEW WORK & STRUCTURAL DRAWINGS.
0241	REMOVE RUBBER FLOORING APPROX. WHERE SHOWN.
0260	SEE ELECTRICAL DEMOLITION DRAWINGS FOR SCOPE OF ELECTRICAL DEMOLITION SCOPE OF WORK.
0261	SEE ELECTRICAL DEMOLITION DRAWINGS FOR SCOPE OF COMMUNICATIONS DEMOLITION SCOPE OF WORK.
0262	SEE ELECTRICAL DEMOLITION DRAWINGS FOR SCOPE OF VIDEO INTERCOM MASTER STATION DEMOLITION SCOPE OF WORK.
0263	SEE ELECTRICAL DEMOLITION DRAWINGS FOR SCOPE OF WORK RE: REMOVAL, STORAGE AND REINSTALLATION OF VIDEO INTERCOM STATION ON DOOR.
0264	SEE ELECTRICAL DEMOLITION DRAWINGS FOR SCOPE OF WORK RE: REMOVAL, STORAGE AND REINSTALLATION OF CARD READER ON DOOR.
0265	CONTRACTOR TO DISCONNECT KITCHEN EQUIPMENT IN THIS AREA, STORE ONSITE AS DIRECTED BY OWNER. OWNER TO MOVE BACK INTO PLACE AND RECONNECT ALL AFTER CONSTRUCTION.
0266	ALL FURNITURE TO BE REMOVED, STORED AND REINSTALLED BY OWNER.

SELECTIVE DEMOLITION NOTE – EXISTING DOORS AND WINDOWS:

REMOVE EXISTING DOOR AND WINDOW ASSEMBLIES WITH CARE AND PRECISION. PERFORM DEMOLITION IN A CONTROLLED MANNER TO PRESERVE ADJACENT CONSTRUCTION. PROTECT ALL SURFACES AROUND THE OPENING. PREVENT DAMAGE TO EXISTING MASONRY AND MAINTAIN THE INTEGRITY OF SURROUNDING MATERIALS. LIMIT DEMOLITION OF ADJACENT METAL STUD FRAMING, GYPSUM BOARD, FINISHES, AND OTHER WALL SURFACING TO A MAXIMUM OF 6 INCHES BEYOND THE PERIMETER OF THE EXISTING OPENING. REPAIR OR REPLACE ONLY THOSE MATERIALS NECESSARY TO FACILITATE INSTALLATION OF THE NEW ASSEMBLY AND RESTORE ADJACENT CONSTRUCTION TO MATCH EXISTING CONDITIONS. PAINTING OF REPAIRED WALL SHALL EXTEND TO NEAREST CORNER. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL WALLS/CEILINGS/FLOORS BEYOND LIMITS ALLOWED. CONTRACTOR TO NOTIFY OWNER/ARCHITECT IMMEDIATELY IF UNFORESEEN CONDITIONS ARE UNCOVERED.

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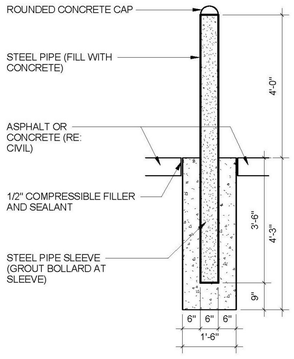
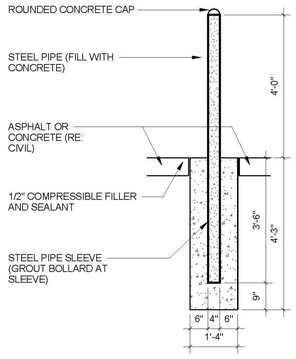
DEMO PLAN - AREA A

AD2.1A

11/4/2026 11:04:30 AM





5 STEEL PIPE BOLLARD DETAIL
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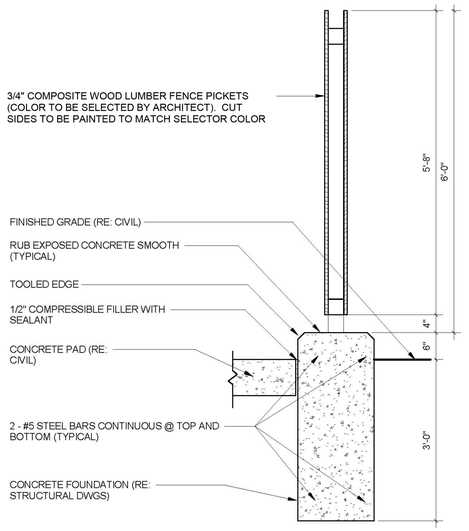

4 TRASH ENCLOSURE - SECTION
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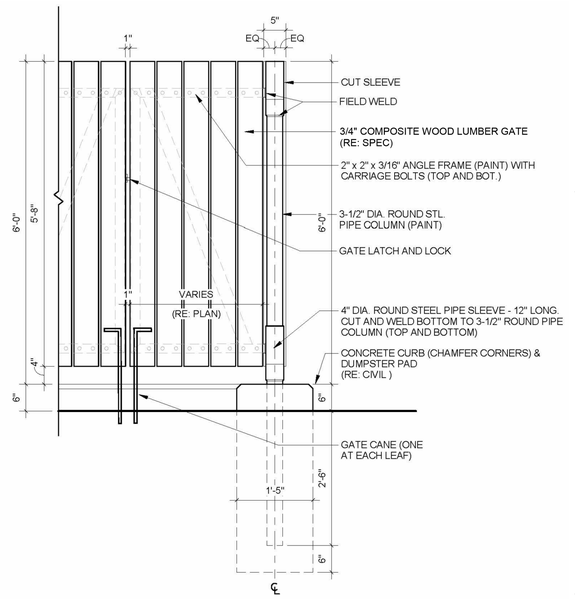
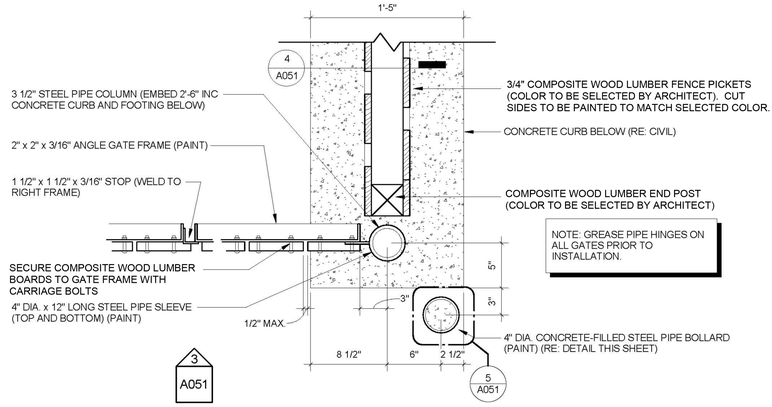
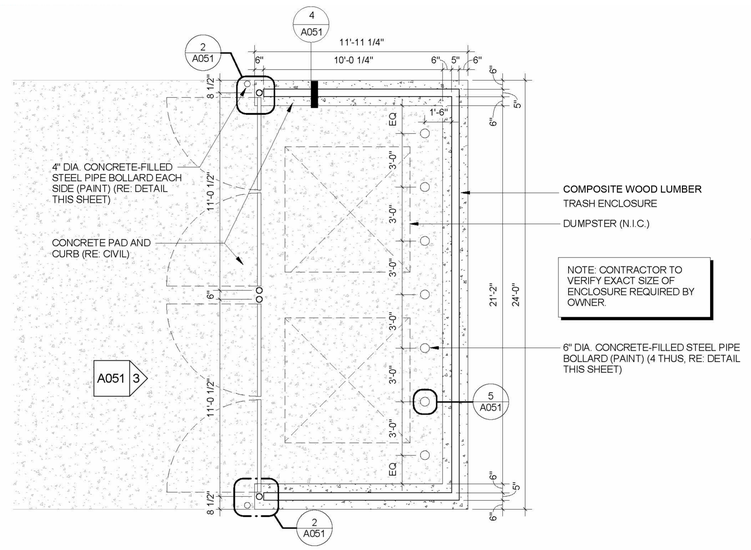


3 TRASH ENCLOSURE - GATE ELEVATION
A0.5 3/4" = 1'-0"



2 TRASH ENCLOSURE HINGE
A0.5 1 1/2" = 1'-0"



1 TRASH ENCLOSURE PLAN
A0.5 1/4" = 1'-0"

11/4/2026 11:04:31 AM

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314.984.9887 tel

CASE ENGINEERING, Inc.
Structural Engineer
Project Number: BDA-MO-04-26
Certificate of Authority # 001498
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636.349.1600 tel

RTM Engineering Consultants
MEP / FP Engineer
Project Number: 25.B00203.1926
Certificate of Authority #2002028690
3701 Lindbergh Blvd.
St Louis, MO 63127
314.725.5889 tel

PINCHIN, LLC
Hazardous Materials Design
Project Number: R262.00457.004
Certificate of Authority #
2 Cityplace Drive, Suite 195,
St. Louis, Missouri 63141
314.230.0182 tel
Contact: Megan Kienker
Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School

555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd.
Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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11/12/26

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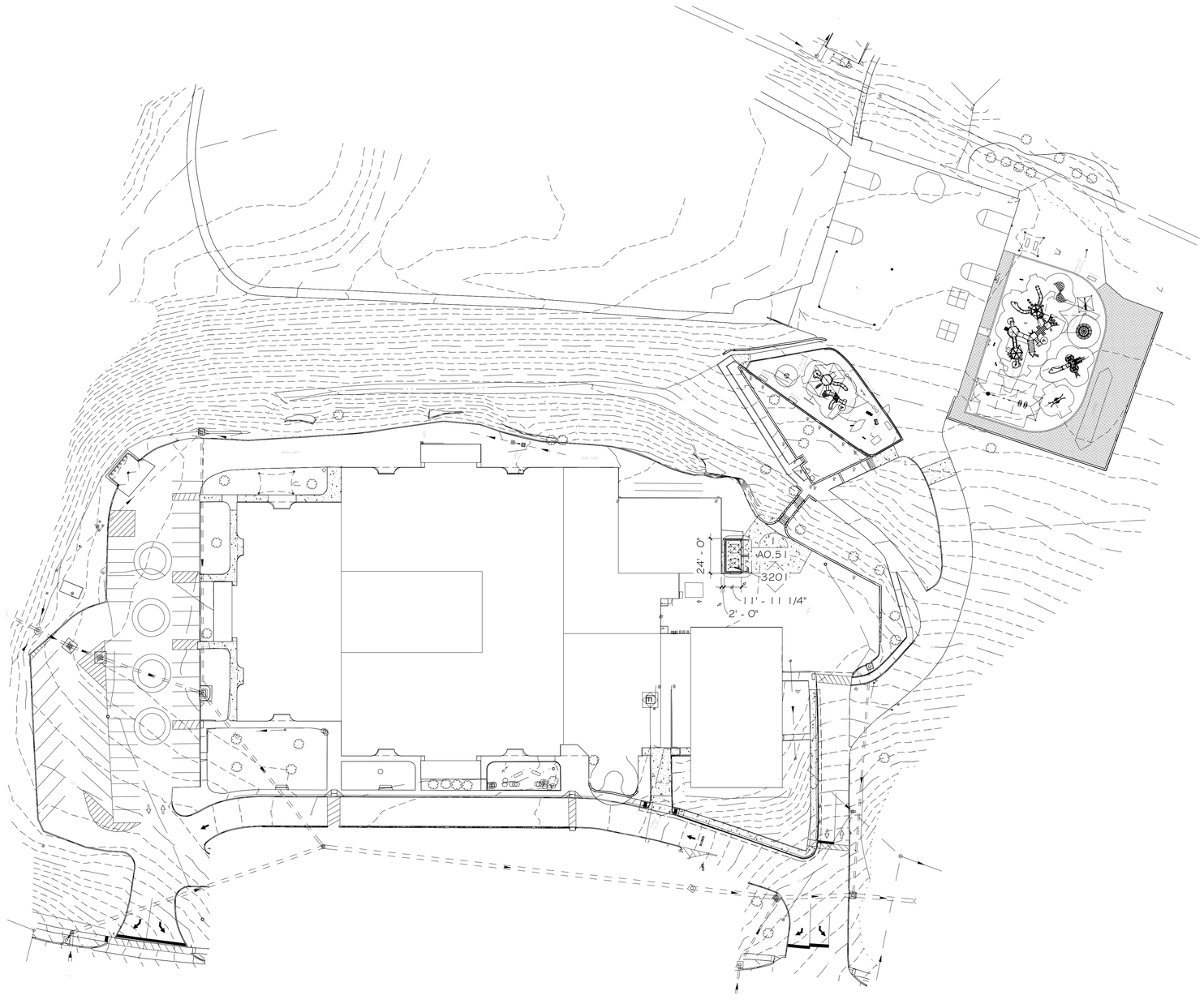
TRASH ENCLOSURE DETAILS

A0.51

Save

ARCHITECTURAL SITE PLAN GENERAL NOTE:
THIS ARCHITECTURAL SITE PLAN IS PROVIDED TO SHOW THE GENERAL RELATIONSHIP OF BUILDING TO THE SITE. SEE CIVIL DRAWINGS FOR DETAILED SITE PLANS AND CIVIL SCOPE OF WORK.

Keynote Legend	
Key Value	Keynote Text
3201	NEW TRASH ENCLOSURE. SEE SHEET A051 FOR DETAILS.



N — 1 A1.0 Site
1" = 40'-0"

SCALE: 3" = 1'-0" (0, 0.25', 0.5', 1')
SCALE: 1 1/2" = 1'-0" (0, 0.5', 1', 2')
SCALE: 1" = 1'-0" (0, 0.5', 1', 2')
SCALE: 3/4" = 1'-0" (0, 1', 2', 3')
SCALE: 1/2" = 1'-0" (0, 1', 2', 4')
SCALE: 1/4" = 1'-0" (0, 2', 4', 8')
SCALE: 1/8" = 1'-0" (0, 4', 8', 16')
SCALE: 1/16" = 1'-0" (0, 8', 16', 32')

11/4/2026 11:04:31 AM

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SITE PLAN

A1.0

Save

SCALE: 3" = 1'-0" | SCALE: 1 1/2" = 1'-0" | SCALE: 1" = 1'-0" | SCALE: 3/4" = 1'-0" | SCALE: 1/2" = 1'-0" | SCALE: 1/4" = 1'-0" | SCALE: 1/8" = 1'-0" | SCALE: 1/16" = 1'-0"

EXISTING FLOOR LEVELS LEGEND:

ARCHITECTURAL FLOOR LEVEL	=	CIVIL F.F.E	=	FLOOR LEVEL NAME
+ 103'-6"		(F.F.E. 567.5')		TEACHER PLANNING FLOOR
+ 102'-0"		(F.F.E. 566.0')		CLASSROOM FLOOR
+ 100'-0"		(F.F.E. 564.0')		MAIN LEVEL 1 (GYM FLOOR)
+ 99'-0"		(F.F.E. 563.0')		CAFETERIA FLOOR
+ 97'-6"		(F.F.E. 561.5')		LIBRARY FLOOR

(SEE CIVIL FOR SITE GRADING AND SPOT ELEVATIONS.)

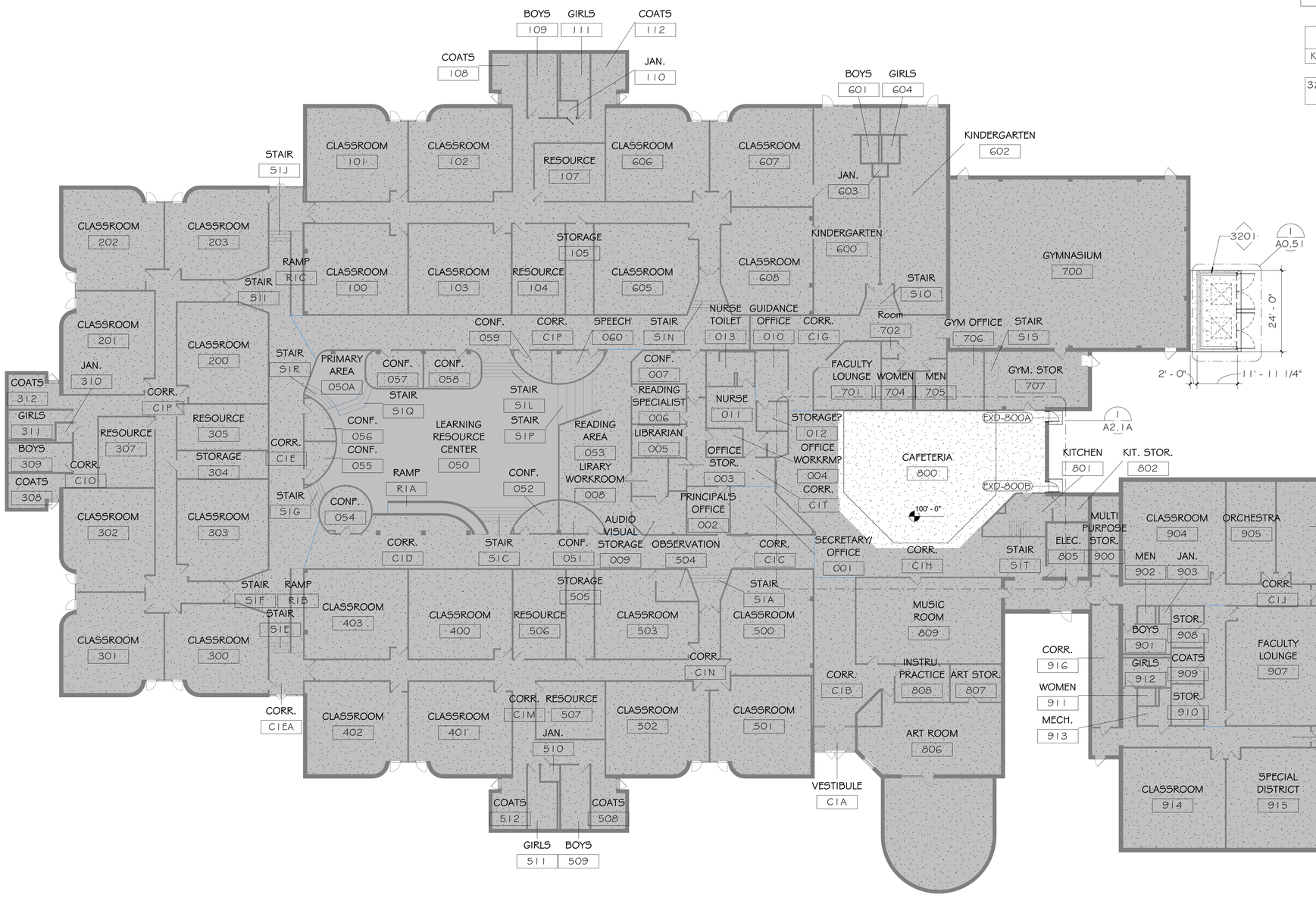
SCOPE LEGEND

NO ARCHITECTURAL WORK IN THIS AREA FOR WORK DESCRIBED ON THIS PAGE. WORK MAY BE INCLUDED IN THESE AREAS ON OTHER SHEETS.

OVERALL FLOOR PLAN GENERAL NOTE:
THIS ARCHITECTURAL OVERALL FLOOR PLAN IS PROVIDED TO SHOW THE GENERAL LAYOUT OF THE BUILDING & WHERE THE SCOPE OF ARCHITECTURAL WORK GENERALLY OCCURS. SEE ENLARGED PLANS FOR DETAILED PLANS AND SCOPE OF WORK. SEE ALSO CIVIL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR THEIR RESPECTIVE SCOPES OF WORK.

NOTE TO CONTRACTOR:
ABATEMENT AND HAZARDOUS MATERIALS NOTED IN THESE DOCUMENTS HAVE BEEN PROVIDED BY PARKWAY SCHOOL DISTRICT'S ABATEMENT RECORDS PLANS AND DOCUMENTS. CONTRACTOR TO REVIEW ALL HAZRDOUS MATERIALS DOCUMENTS PRIOR TO THE START OF CONSTRUCTION. NOTIFY OWNER IF ANY ADDITIONAL HAZARDOUS MATERIALS ARE FOUND, OWNER'S CONSULTANT SHALL TEST, CONTAIN AND REMOVE AS REQUIRED FOR NEW WORK. BOND ARCHITECTS HAS NO JURISDICATION OVER HANDLING HAZARDOUS MATERIALS.

Keynote Legend	
Key Value	Keynote Text
3201	NEW TRASH ENCLOSURE. SEE SHEET A051 FOR DETAILS.



1 A2.1 LEVEL 1 FLOOR PLAN
1/16" = 1'-0"
SCALE: 1/16" = 1'-0"
0 8' 16' 32'

N KEY PLAN
1" = 100'-0"

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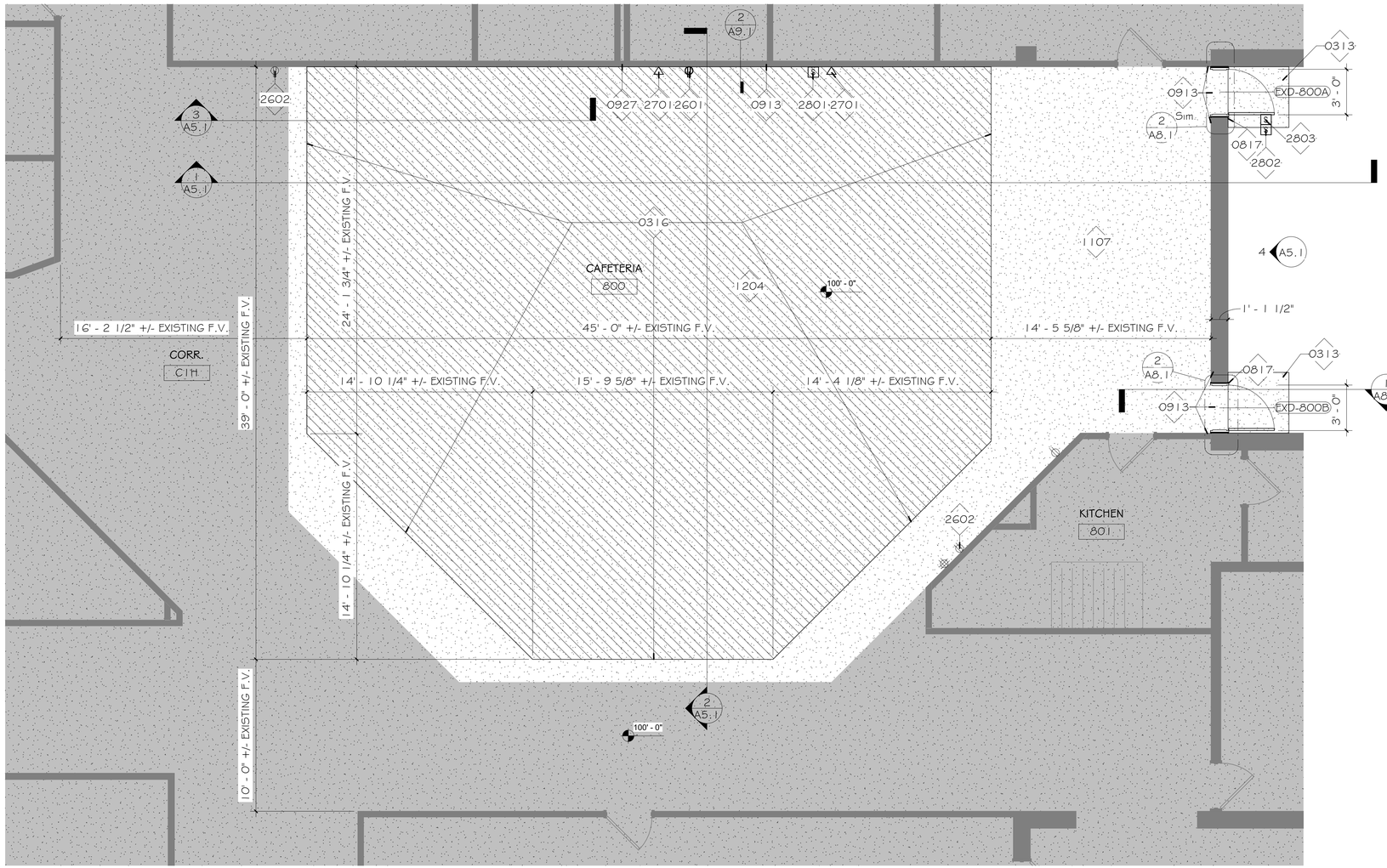
OVERALL FLOOR PLAN

A2.1

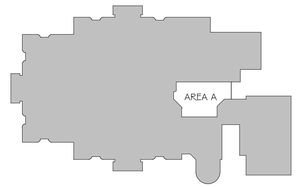
11/4/2026 11:04:32 AM



N

1 LEVEL 1 FLOOR PLAN - AREA A
A2.1A 1/4" = 1'-0" REF: 1/A2.1

SCALE: 1/4" = 1'-0"
0 2' 4' 8'



N

KEY PLAN
1" = 100'-0"

SCALE: 3" = 1'-0" 1 0.5 0 0.25
SCALE: 1 1/2" = 1'-0" 2 1 0.5 0
SCALE: 1" = 1'-0" 2 1 0.5 0
SCALE: 3/4" = 1'-0" 3 2 1 0
SCALE: 1/2" = 1'-0" 4 2 1 0
SCALE: 1/4" = 1'-0" 8 4 2 0
SCALE: 1/8" = 1'-0" 16 8 4 0
SCALE: 1/16" = 1'-0" 32 16 8 0

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SCOPE LEGEND

NO ARCHITECTURAL WORK IN THIS AREA FOR WORK DESCRIBED ON THIS PAGE. WORK MAY BE INCLUDED IN THESE AREAS ON OTHER SHEETS.

INFILL FLOOR AREA

SEE ALL NOTES ON GENERAL NOTES & ABBREVIATIONS SHEET A0.3:
- GENERAL NOTES
- ABBREVIATIONS

SEE ALSO GENERAL NOTES AND SYMBOLS ON SHEET A0.4

SEE ALL NOTES ON DEMOLITION GENERAL NOTES SHEET A0.5:
- HAZARDOUS MATERIALS GENERAL NOTES
- REGULATED MATERIAL ABATEMENT GENERAL NOTES
- GENERAL ASSET PROTECTION NOTES
- GENERAL DEMOLITION NOTES

SEE ALSO C, S, E & M DRAWINGS FOR C, S, E & M SCOPE OF WORK.

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Keynote Legend

Key Value	Keynote Text
0313	5'x5' CONCRETE SLAB, SEE STRUCTURAL & CIVIL DRAWINGS FOR FROST HEAVE PREVENTION
0316	INFILL RECESSED FLOOR AT CAFETERIA FLUSH WITH MAIN LEVEL. SEE ALSO STRUCTURAL DRAWINGS.
0817	INSTALL NEW DOOR, HARDWARE, FRAME, THRESHOLD, AND FRT BLOCKING AS REQUIRED IN EXISTING OPENING. SEE SHEET A10.1 FOR ADDITIONAL INFORMATION.
0913	PATCH, REPAIR, AND PAINT EXISTING WALL AS NEEDED. MATCH EXISTING FINISH
0927	PATCH, REPAIR, & PAINT WALL WHERE ACCESS PANEL WAS REMOVED. COLOR & TEXTURE TO MATCH EXISTING ADJACENT
1107	OWNER TO MOVE KITCHEN EQUIPMENT IN THIS AREA BACK INTO PLACE AND RECONNECT ALL AFTER CONSTRUCTITON.
1204	ALL FURNITURE TO BE REINSTALLED BY OWNER
2601	PROVIDE NEW RAISED ELECTRICAL OUTLET & WALL PLATE. SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL WORK.
2602	PROVIDE NEW ELECTRICAL DEVICE AND WALL PLATE. SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL WORK.
2701	SEE ELECTRICAL DRAWINGS FOR SCOPE OF COMMUNICATIONS SCOPE OF WORK.
2801	SEE ELECTRICAL DEMOLITION DRAWINGS FOR SCOPE OF VIDEO INTERCOM MASTER STATION SCOPE OF WORK.
2802	SEE ELECTRICAL DRAWINGS FOR SCOPE OF WORK RE: REINSTALLATION OF VIDEO INTERCOM STATION ON DOOR.
2803	SEE ELECTRICAL DRAWINGS FOR SCOPE OF WORK RE: REINSTALLATION OF CARD READER ON DOOR.

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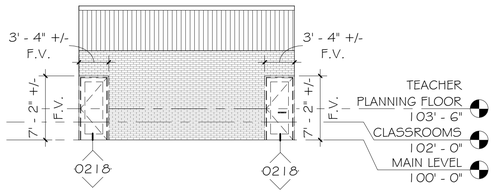
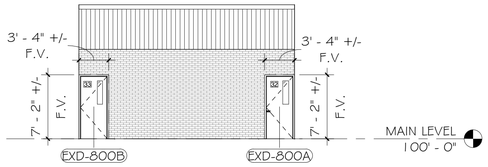
LEVEL 1 FLOOR PLAN - AREA A

A2.1A



5 A5.1 PARTIAL DEMO NORTH ELEVATION
1/8" = 1'-0" REF: 1/AD2.1A



4 A5.1 PARTIAL NORTH ELEVATION
1/8" = 1'-0" REF: 1/A2.1A

SELECTIVE DEMOLITION NOTE – EXISTING DOORS AND WINDOWS:

REMOVE EXISTING DOOR AND WINDOW ASSEMBLIES WITH CARE AND PRECISION. PERFORM DEMOLITION IN A CONTROLLED MANNER TO PRESERVE ADJACENT CONSTRUCTION. PROTECT ALL SURFACES AROUND THE OPENING. PREVENT DAMAGE TO EXISTING MASONRY AND MAINTAIN THE INTEGRITY OF SURROUNDING MATERIALS. LIMIT DEMOLITION OF ADJACENT METAL STUD FRAMING, GYPSUM BOARD, FINISHES, AND OTHER WALL SURFACING TO A MAXIMUM OF 6 INCHES BEYOND THE PERIMETER OF THE EXISTING OPENING. REPAIR OR REPLACE ONLY THOSE MATERIALS NECESSARY TO FACILITATE INSTALLATION OF THE NEW ASSEMBLY AND RESTORE ADJACENT CONSTRUCTION TO MATCH EXISTING CONDITIONS. PAINTING OF REPAIRED WALL SHALL EXTEND TO NEAREST CORNER. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL WALLS/CEILINGS/FLOORS BEYOND LIMITS ALLOWED. CONTRACTOR TO NOTIFY OWNER/ARCHITECT IMMEDIATELY IF UNFORESEEN CONDITIONS ARE UNCOVERED.

Keynote Legend	
Key Value	Keynote Text
0218	ABATEMENT CONTRACTOR TO ABATE LEAD BASED PAINT AT STEEL LINTELS ABOVE DOOR PER PIF & ABATEMENT CONTRACTOR TO ABATE ANY VERMICULITE RELEASED AND SEAL OPENINGS PER PIF WHILE REMOVING DOORS AND FRAMES. REMOVE DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. SALVAGE ALL HARDWARE FOR POTENTIAL REUSE OR RETURN TO OWNER.

ELEVATION GENERAL NOTES

1. REMOVE ALL ABANDONED DEVICES. PATCH AND REPAIR AS REQUIRED TO MATCH RESTORED FINISH MATERIAL.
2. REMOVE RUST AND RE-COAT EXISTING ANGLE AS REQUIRED. DO NOT "SPOT" CLEAN. IF EFF OR STAINING IS EVIDENT, CLEAN ENTIRE PLANE OF WALL. CONTRACTOR TO VERIFY EXISTING CONDITION.
3. EXTERIOR STOREFRONT FINISH TO MATCH EXISTING FINISH, UNO.
4. MINIMUM GLASS THICKNESSES TO MEET GANA PUBLICATION: "LAMINATED GLAZING REFERENCE MANUAL" AND "GLAZING MANUAL" AND IGMA PUBLICATION FOR INSULATING GLASS: SIGMA TM-3000, "NORTH AMERICAN GLAZING GUIDELINES FOR SEALED INSULATING GLASS UNITS FOR COMMERCIAL AND RESIDENTIAL USE."

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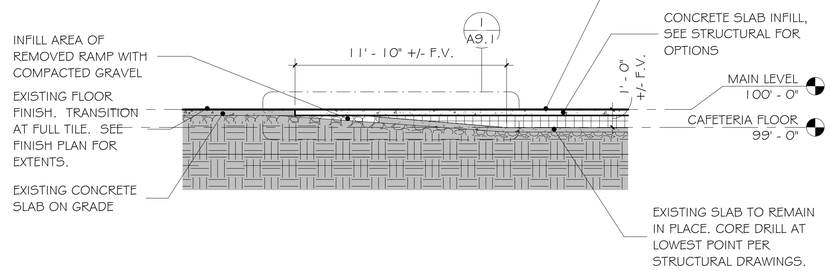
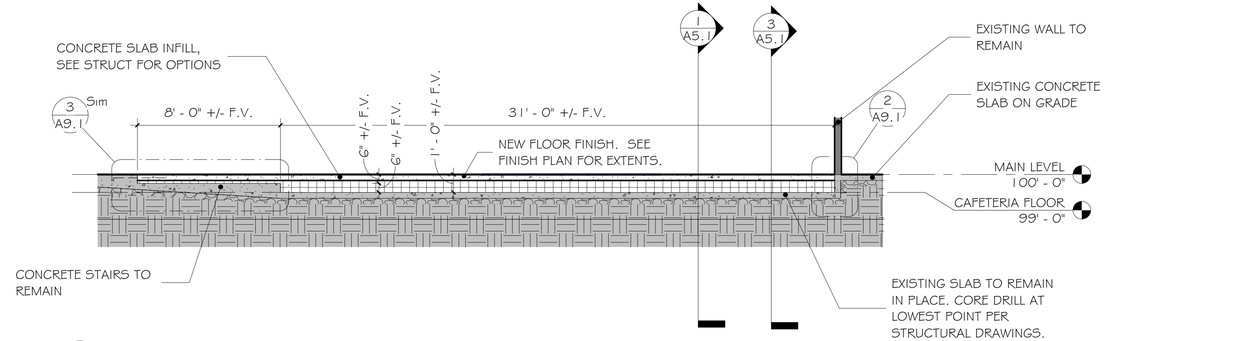
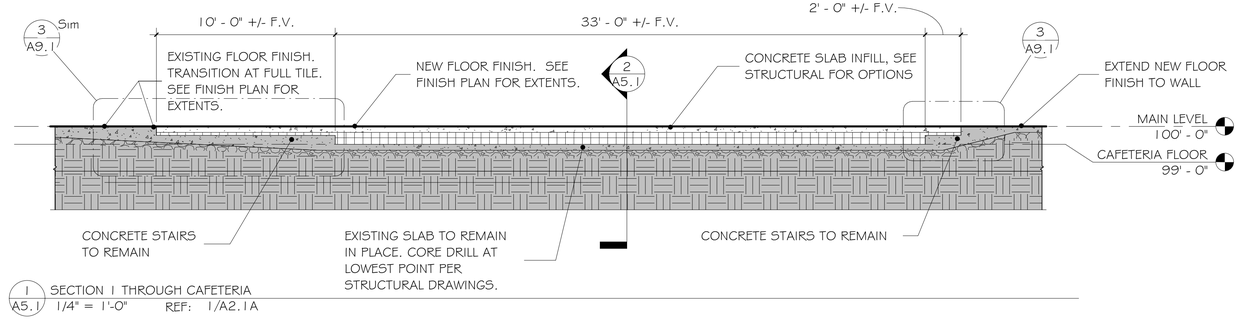


3 A5.1 SECTION THROUGH CAFETERIA RAMP
1/4" = 1'-0" REF: 1/A2.1A



2 A5.1 SECTION 2 THROUGH CAFETERIA
1/4" = 1'-0" REF: 1/A2.1A



1 A5.1 SECTION 1 THROUGH CAFETERIA
1/4" = 1'-0" REF: 1/A2.1A

11/4/2026 11:04:34 AM

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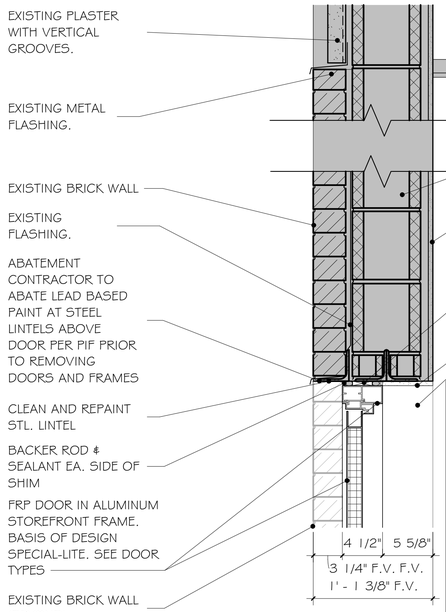
BUILDING ELEVATIONS & SECTIONS

A5.1



SELECTIVE DEMOLITION NOTE – EXISTING DOORS AND WINDOWS:

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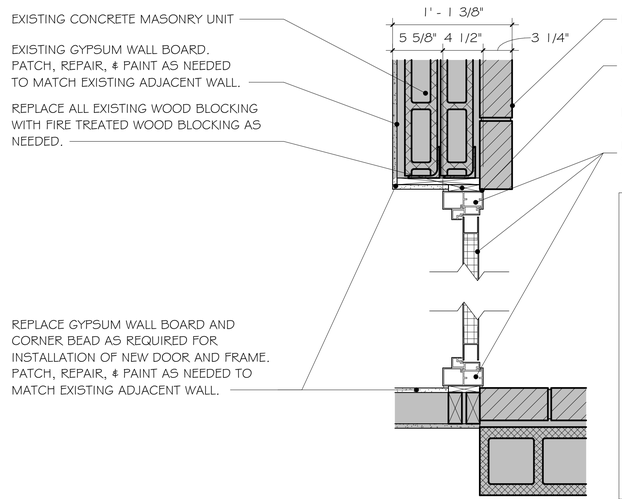
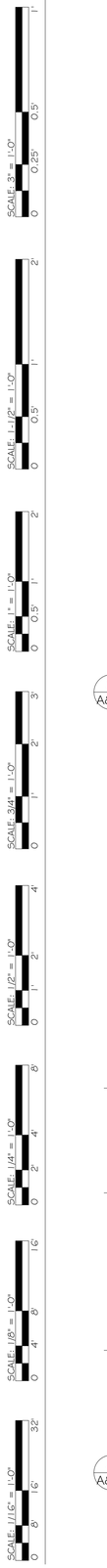
3 A8.1 TYP DOOR HEAD DETAIL
1 1/2" = 1'-0" REF: 1/A8.1

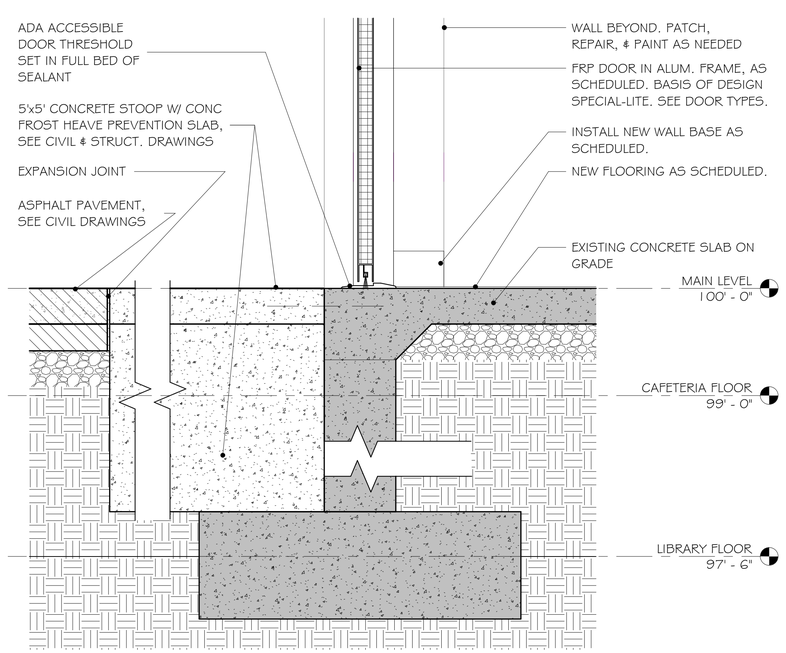


SELECTIVE DEMOLITION NOTE – EXISTING DOORS AND WINDOWS:

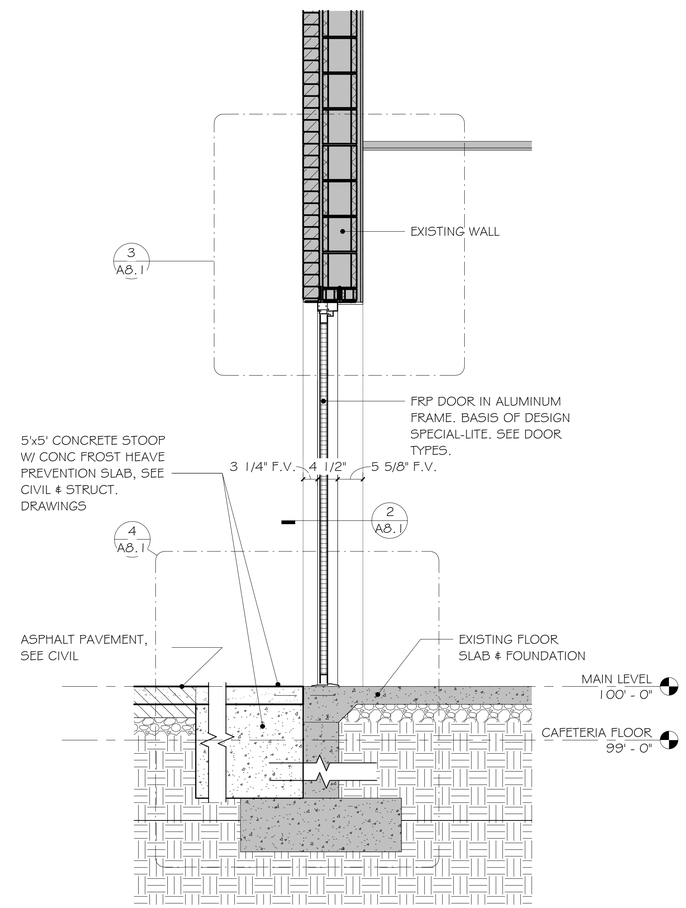
REMOVE EXISTING DOOR AND WINDOW ASSEMBLIES WITH CARE AND PRECISION. PERFORM DEMOLITION IN A CONTROLLED MANNER TO PRESERVE ADJACENT CONSTRUCTION. PROTECT ALL SURFACES AROUND THE OPENING. PREVENT DAMAGE TO EXISTING MASONRY AND MAINTAIN THE INTEGRITY OF SURROUNDING MATERIALS. LIMIT DEMOLITION OF ADJACENT METAL STUD FRAMING, GYPSUM BOARD, FINISHES, AND OTHER WALL SURFACING TO A MAXIMUM OF 6 INCHES BEYOND THE PERIMETER OF THE EXISTING OPENING. REPAIR OR REPLACE ONLY THOSE MATERIALS NECESSARY TO FACILITATE INSTALLATION OF THE NEW ASSEMBLY AND RESTORE ADJACENT CONSTRUCTION TO MATCH EXISTING CONDITIONS. PAINTING OF REPAIRED WALL SHALL EXTEND TO NEAREST CORNER. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL WALLS/CEILINGS/FLOORS BEYOND LIMITS ALLOWED. CONTRACTOR TO NOTIFY OWNER/ARCHITECT IMMEDIATELY IF UNFORESEEN CONDITIONS ARE UNCOVERED.

2 A8.1 TYPICAL DOOR JAMB DETAIL
1 1/2" = 1'-0" REF: 1/A2.1A





4 A8.1 TYP. DOOR THRESHOLD DETAIL
1 1/2" = 1'-0" REF: 1/A8.1



1 A8.1 TYP. WALL SECTION AT DOOR EXD-800 A & B
3/4" = 1'-0" REF: 1/A2.1A

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Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School
555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS
Parkway School District
363 N. Woods Mill Rd.
Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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WALL SECTIONS

A8.1

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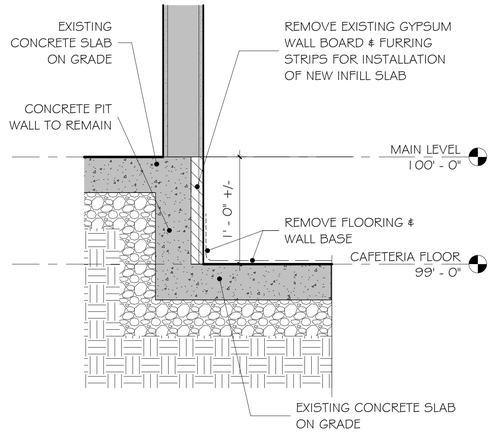
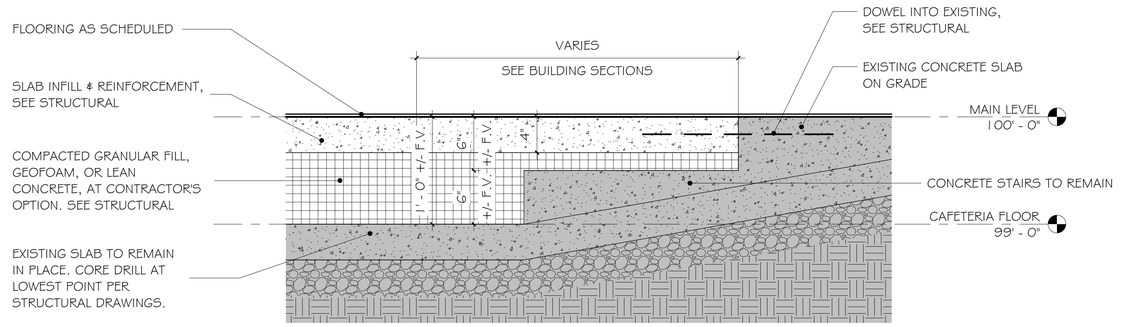
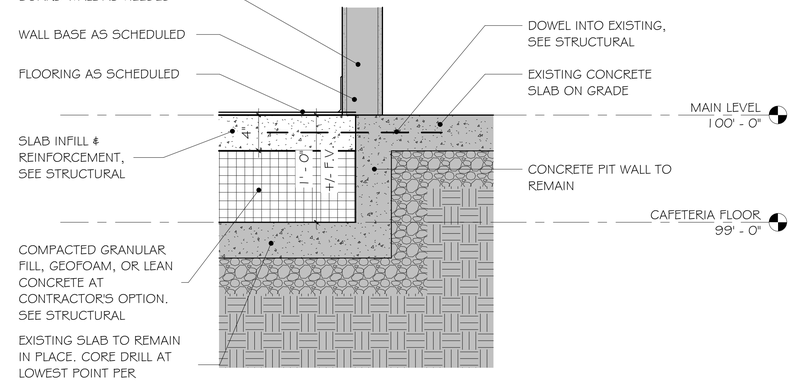


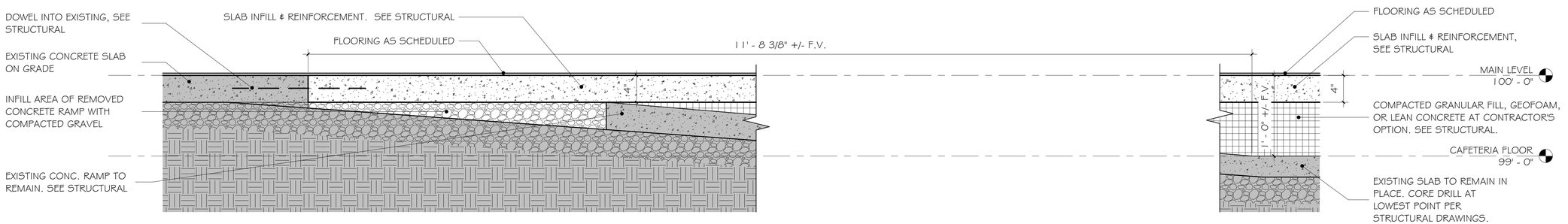
4 A9.1 DEMO DETAIL CAFETERIA
1 1/2" = 1'-0" REF: 1/AD2.1A



3 A9.1 DETAIL AT INFILL STAIRS
1 1/2" = 1'-0" REF: 1/A5.1



2 A9.1 DETAIL AT CAFETERIA INFILL WALL
1 1/2" = 1'-0" REF: 1/A2.1A



1 A9.1 DETAIL AT CAFETERIA INFILL RAMP
1 1/2" = 1'-0" REF: 3/A5.1

SCALE: 3" = 1'-0" 0 0.25' 0.5' 1'
SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2'
SCALE: 1" = 1'-0" 0 0.5' 1' 2'
SCALE: 3/4" = 1'-0" 0 1 2 3
SCALE: 1/2" = 1'-0" 0 1 2 4
SCALE: 1/4" = 1'-0" 0 2 4 8
SCALE: 1/8" = 1'-0" 0 4 8 16
SCALE: 1/16" = 1'-0" 0 8 16 32

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DETAILS

A9.1

SCALE: 3" = 1'-0"

SCALE: 1 1/2" = 1'-0"

SCALE: 1" = 1'-0"

SCALE: 3/4" = 1'-0"

SCALE: 1/2" = 1'-0"

SCALE: 1/4" = 1'-0"

SCALE: 1/8" = 1'-0"

SCALE: 1/16" = 1'-0"

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HAZARDOUS MATERIALS GENERAL NOTES:

ABATEMENT AND HAZARDOUS MATERIALS NOTED IN THESE DOCUMENTS HAVE BEEN PROVIDED BY PARKWAY SCHOOL DISTRICT'S ABATEMENT RECORDS PLANS AND DOCUMENTS. CONTRACTOR TO REVIEW ALL HAZARDOUS MATERIALS DOCUMENTS PRIOR TO THE START OF CONSTRUCTION. BOND ARCHITECTS HAS NO JURISDICTION OVER HANDLING HAZARDOUS MATERIALS.

STOP WORK AND NOTIFY OWNER OF ANY HAZARDOUS MATERIALS ENCOUNTERED THAT WERE NOT PREVIOUSLY IDENTIFIED; OWNER'S CONSULTANT SHALL SAMPLE MATERIAL(S) AND HAVE MATERIAL(S) ANALYZED BY NVLAP-APPROVED LABORATORY. IF FOUND BY OWNER'S CONSULTANT TO BE A HAZARDOUS MATERIAL, ASBESTOS ABATEMENT CONTRACTOR SHALL CONTAIN AND ABATE, REPAIR, OR ENCAPSULATE AS REQUIRED FOR NEW WORK AS DIRECTED BY OWNER.

REGULATED MATERIAL ABATEMENT GENERAL NOTES:

1. REFER TO PINCHIN'S PROJECT INFORMATION PACKET (PROJECT INFORMATION FORM, PHOTOGRAPHS AND REGULATED MATERIALS DRAWINGS) INCLUDED IN PROJECT MANUAL IN CONJUNCTION WITH OWNER PROVIDED HAZARDOUS MATERIAL DRAWINGS PRIOR TO ANY DEMOLITION OR CONSTRUCTION.
2. ANY NOTES ON ARCHITECTURAL DRAWINGS REGARDING HAZARDOUS MATERIALS ARE FOR REFERENCE ONLY. CONTRACTOR TO REFER TO AND COORDINATE WITH PINCHIN'S PROJECT INFORMATION PACKET AND OWNER'S HAZARDOUS MATERIAL DRAWINGS.
3. IF UNEXPECTED HAZARDOUS MATERIAL ARE ENCOUNTERED, STOP WORK AND NOTIFY OWNER OF ANY HAZARDOUS MATERIALS ENCOUNTERED THAT WERE NOT PREVIOUSLY IDENTIFIED; OWNER'S CONSULTANT SHALL SAMPLE MATERIAL(S) AND HAVE MATERIAL(S) ANALYZED BY NVLAP-APPROVED LABORATORY. IF FOUND BY OWNER'S CONSULTANT TO BE A HAZARDOUS MATERIAL, ASBESTOS ABATEMENT CONTRACTOR SHALL CONTAIN AND ABATE, REPAIR, OR ENCAPSULATE AS REQUIRED FOR NEW WORK AS DIRECTED BY OWNER.
4. ALL ABATEMENT, REPAIR OR ENCAPSULATION TO BE PERFORMED BY LICENSED ABATEMENT CONTRACTORS.
5. NEW CONSTRUCTION MAY REQUIRE ABATEMENT, REGARDLESS OF PRIOR DEMOLITION.
6. NEW CONNECTIONS TO EXISTING STRUCTURE MAY REQUIRE ABATEMENT AT CONNECTION LOCATIONS. PRIOR TO WELDING, DRILLING, OR ANY OTHER CONNECTION METHOD, VERIFY PRESENCE OF REGULATED MATERIAL PER OWNER'S HAZARDOUS MATERIAL DRAWINGS AND PINCHIN'S PROJECT INFORMATION PACKET.
7. CONNECTIONS INCLUDE, BUT ARE NOT LIMITED TO, WALL BRACING, DEFLECTION TRACKS, CEILING HANGERS, DUCT HANGERS, EQUIPMENT HANGERS, LIGHTING, PLUMBING SUPPORTS, STRUCTURAL STEEL AND OTHER PENETRATIONS PER OWNER'S HAZARDOUS MATERIAL DRAWINGS.
8. WELDED CONNECTIONS ARE TO BE ABATED TO THE EXTENT WHICH MINIMIZES HEAT-GENERATED HAZARDS PER OWNER'S HAZARDOUS MATERIAL DRAWINGS.
9. DRILLED CONNECTIONS ARE TO BE ABATED TO THE EXTENT WHICH MINIMIZES PARTICLE-GENERATED HAZARDS PER OWNER'S HAZARDOUS MATERIAL DRAWINGS.

GENERAL ASSET PROTECTION NOTES:

1. ALL ITEMS NOTED TO BE REMOVED AND STORED SHALL BE REMOVED BY CONTRACTOR PRIOR TO BEGINNING ANY ABATEMENT WORK.
2. ALL CASEWORK IN ROOMS WITH DEMOLITION WORK TO BE PROTECTED. CONTRACTOR TO COORDINATE CASEWORK PROTECTION TO REMAIN IN ROOMS RECEIVING ASBESTOS ABATEMENT THROUGHOUT PROCESS. HORIZONTAL SURFACES SHALL BE COVERED WITH SHEET PLASTIC OVER CARDBOARD. VERTICAL SURFACES SHALL BE COVERED WITH SHEET PLASTIC.
3. CONTRACTOR TO PROTECT ALL CARPET FLOORING WITH SELF-ADHERING FILM IN ROOMS RECEIVING ASBESTOS ABATEMENT THROUGHOUT CONSTRUCTION PROCESS.
4. CONTRACTOR TO PROTECT ALL RESILIENT FLOORING WITH PLASTIC FLOOR RUNNERS TAPED OVER HARDBOARD (MASONITE) IN ROOMS RECEIVING ASBESTOS ABATEMENT THROUGHOUT CONSTRUCTION PROCESS.
5. CONTRACTOR TO COORDINATE THE REMOVAL, STORAGE, & REINSTALLATION OF ALL REMAINING FURNITURE & ITEMS NOT AFFIXED TO BUILDING DURING CONSTRUCTION.
6. ALL BUILT-IN SHELVING IN CLOSET SPACES TO REMAIN. REQUIRES SHEET PLASTIC PROTECTION THROUGH ALL PHASES OF CONSTRUCTION.
7. REMOVAL AND STORAGE OF INTERACTIVE WHITE BOARDS BY OWNER'S SUPPLIER:
8. AT ANY ROOM REQUIRING ACT CEILING REMOVAL: REMOVE, SALVAGE, AND STORE CEILING TILES & LIMITED CROSS TEE'S. CONSOLIDATE ALL UNDAMAGED EXISTING TILES INTO CLASSROOMS AND REINSTALL PANELS AND CROSS TEES. PROVIDE NEW CEILING PANELS IN CORRIDORS AND REINSTALL EXISTING CROSS TEES.
9. CONTRACTOR IS RESPONSIBLE MONETARILY & FOR THE LABOR COORDINATION OF INTERACTIVE WALL-MOUNTED PROJECTORS. REMOVAL OF WALL-MOUNTED INTERACTIVE WHITE BOARD AND PROJECTOR TO BE BY PSD CERTIFIED SMART-BOARD INSTALLER - SHILLERS A/V - SEE ELECTRICAL DRAWINGS. INTERACTIVE-BOARD INSTALLER TO STORE EQUIPMENT FOR DURATION OF CONSTRUCTION.
10. CONTRACTOR TO PROTECT ALL EXISTING DOORS AND WINDOWS WITHIN WORK AREA AND ALONG WORK ACCESS PATH.
11. REMOVAL, RELOCATION, AND REINSTALLATION OF SOLAR ARRAY BY OWNER'S SUPPLIER: STRAIGHT UP SOLAR.

Door Schedule

Mark	Width	Height	Door Type	Frame Type	Fire Rating	Current Door Decal Number	Hardware Group	Comments
EXD-800A	3' - 0"	7' - 0"	FRP-1	ALUM-A		32	1	REINSTALL BUZZER AND CAMERA
EXD-800B	3' - 0"	7' - 0"	FRP-1	ALUM-A		33	2	(EXIT ONLY)

GENERAL NOTE: REFER TO SPECIFICATIONS FOR HARDWARE GROUPS.

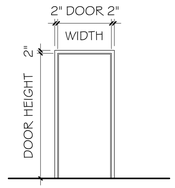
DOOR GENERAL NOTES:

1. ABATEMENT CONTRACTOR TO ABATE LEAD PAINT FROM STEEL LINTELS PRIOR TO REMOVING DOORS.
2. COORDINATE AND PROVIDE HARDWARE AS DETAILED IN THE SPECIFICATIONS OR, IF NOT SPECIFIED, PROVIDE HARDWARE (OF EQUAL QUALITY TO THAT SPECIFIED, AND MOST SIMILAR IN FUNCTION TO TYPE OF DOOR) REQUIRED FOR DOORS TO OPERATE AND APPEAR AS INTENDED ON DRAWINGS.
3. IF CONFLICT EXISTS BETWEEN DOOR RATING AS SCHEDULED AND WALL/PARTITION TYPE FIRE RATING AS SHOWN ON PLANS, PROVIDE DOOR(S) WITH THE GREATER FIRE RATING OF THE TWO.
4. VERIFY ALL DIMENSIONS AND CLEARANCES, AND COORDINATE UNDERCUTTING REQUIRED TO CLEAR ADJACENT FLOOR MATERIALS.
5. IF A DISCREPANCY EXISTS BETWEEN THE DOOR SCHEDULE REMARKS AND THE HARDWARE SCHEDULE IN THE SPECIFICATIONS, PROVIDE THE HARDWARE NEEDED TO MEET THE MORE STRINGENT OF THE REQUIREMENTS.
6. DOOR FRAME, GLAZING & HARDWARE TO MATCH EXISTING FINISHES. SUBMIT ALL FINISH SAMPLES TO ARCHITECT AND OWNER FOR REVIEW & APPROVAL.
7. SEE ALSO HARDWARE GROUPS, SPECIFICATIONS AND ELECTRICAL DRAWINGS FOR ANY CABLING, WIRING, LOW VOLTAGE OR ELECTRICAL REQUIREMENTS FOR VIDEO INTERCOM, CARD READERS, ELECTRIFIED HARDWARE OR OTHER EQUIPMENT ASSOCIATED WITH THE OPERATION DOORS.

HARDWARE NOTES FOR INTENDED OPERATION:

DOOR EXD-800A (ENTRY 32) NOTES
1. HARDWARE SHALL BE INSTALLED IN THE SAME WAY AS THE EXISTING.
2. CLOSER SHALL BE STANDARD CLOSER, NOT WITH STOP.
3. OWNER TO INSTALL KICKSTAND AFTER DOOR INSTALLATION AND SITEWORK IN THIS AREA IS COMPLETE. (THE STYLE OF THE KICKSTAND TYPE STOP WILL DEPEND ON THE FINISH GRADE OF THE NEW ASPHALT.)
4. EXISTING BUZZER AND CAMERA TO BE REMOVED CAREFULLY, SALVAGED, STORED AND REINSTALLED ON NEW DOOR IN THIS SAME LOCATION.
5. EXISTING LATCH TO BE REMOVED CAREFULLY, SALVAGED, STORED AND REINSTALLED ON NEW DOOR IN THE SAME LOCATION.
6. OWNER TO CONNECT THE FRONT DESK WITH THE OPERATOR (BOX LOCATED ON THE NORTH WALL INSIDE THE CAFETERIA) SO WHEN BUZZER ON DOOR EXD-800A (ENTRY 32) IS RUNG, THE FRONT DESK STAFF WILL BE ABLE TO BUZZ IT OPEN (UNLOCK DOOR), SO THE PERSON AT THE EXTERIOR SIDE OF DOOR WILL BE ABLE TO PULL IT OPEN.
7. NEW CARD READER & RIM EXIT DEVICE TO BE INSTALLED ON DOOR.

DOOR EXD-800B (EXIT 33) NOTES
1. HARDWARE TO PROVIDE "EXIT ONLY" FUNCTION.



TYPE ALUM-A
TYPE: DOUBLE RABBET
MATERIAL: ALUMINUM
FINISH: DARK BRONZE ANODIZED TO MATCH EXISTING FRAMES
NOTE: MANUFACTURER OF DOOR & FRAME SYSTEM TO BE SPECIAL-LITE.

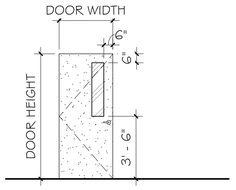
GENERAL NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR WIRING DIAGRAMS ON ELECTRIFIED DOORS.
2. CONTRACTOR TO VERIFY DIMENSIONS OF EXISTING OPENINGS AT LOCATIONS WHERE NEW FRAMES WILL BE INSTALLED.
3. MINIMUM GLASS THICKNESSES TO MEET GANA PUBLICATION: "LAMINATED GLAZING REFERENCE MANUAL" AND "GLAZING MANUAL" AND IGMA PUBLICATION FOR INSULATING GLASS: SIGMA TM-3000, "NORTH AMERICAN GLAZING GUIDELINES FOR SEALED INSULATING GLASS UNITS FOR COMMERCIAL AND RESIDENTIAL USE."
4. MANUFACTURER OF DOOR & FRAME SYSTEM TO BE SPECIAL-LITE.

2 FRAME TYPES
A10.1 1/4" = 1'-0"

GLASS & FRP LEGEND:

GLASS-1.1 VISION GLASS - 1" INTRUDER RESISTANT SECURITY GLAZING, TO MEET UL 972, INSULATED SN68 ON CLEAR

GENERAL NOTES:
1. MINIMUM GLASS THICKNESSES TO MEET GANA PUBLICATION: "LAMINATED GLAZING REFERENCE MANUAL" AND "GLAZING MANUAL" AND IGMA PUBLICATION FOR INSULATING GLASS: SIGMA TM-3000, "NORTH AMERICAN GLAZING GUIDELINES FOR SEALED INSULATING GLASS UNITS FOR COMMERCIAL AND RESIDENTIAL USE."
2. MANUFACTURER OF DOOR & FRAME SYSTEM TO BE SPECIAL-LITE.



TYPE FRP-1
TYPE: SWING, NARROW LITE
MATERIAL: FIBERGLASS REINFORCED PLASTER
FINISH: DARK BRONZE ANODIZED TO MATCH EXISTING DOORS TO REMAIN
GLAZING: SEE GLASS LEGEND & MATCH EXISTING REFLECTIVE GLAZING
NOTE: MANUFACTURER OF DOOR & FRAME SYSTEM TO BE SPECIAL-LITE.

1 DOOR TYPES
A10.1 1/4" = 1'-0"

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DOOR TYPES

A10.1

FINISH MATERIAL SCHEDULE							
FINISH MARK	PRODUCT TYPE	FINISH MANUFACTURER	STYLE	SIZE	COLOR	FINISH	NOTES
RF-1	RESILIENT FLOOR	TARKETT	CONTOUR PROPER OAK	6" X 36"	4632 ACTION	---	INSTALL: ASHLAR
TS-1	TRANSITION STRIP	SCHLUTER	VINPRO-U	SEE DRAWINGS	ALUMINUM	---	---
WB-1	WALL BASE	JOHNSONITE	MATCH EXISTING	6"	40 BLACK	---	--

Keynote Legend	
Key Value	Keynote Text
0913	PATCH, REPAIR, AND PAINT EXISTING WALL AS NEEDED. MATCH EXISTING FINISH
0926	PATCH & REPAIR EXISTING FLOOR FOR NEW FLOORING FINISH AS SCHEDULED.
0928	ALIGN NEW TILE TRANSITION WITH FACE OF EXISTING WALL AS SHOWN.

SCOPE LEGEND

NO ARCHITECTURAL WORK IN THIS AREA FOR WORK DESCRIBED ON THIS PAGE. WORK MAY BE INCLUDED IN THESE AREAS ON OTHER SHEETS.

ROOM FINISH TAG LEGEND & NOTES

A. SEE A14.X SERIES FOR FINISHES AS TAGGED WITHIN EACH ROOM. ALL ROOMS TO RECEIVE FINISH MATERIAL AS INDICATED ON ROOM FINISH TAG, UNLESS OTHERWISE NOTED. EXCEPTIONS TO ALL FINISHES NOTED ON ROOM FINISH TAG SHALL BE IDENTIFIED ON FINISH PLANS, CEILING PLANS, AND/OR ELEVATIONS.

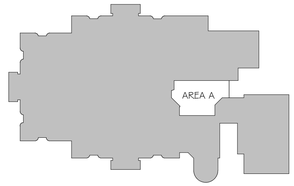
B. WHERE GENERIC FINISH MATERIALS ARE NOTED IN THE ROOM FINISH TAG (I.E. "PNT" OR "VB"), SEE A4.X, A10.X, A11.X & A14.X SERIES SHEETS FOR MORE INFORMATION REGARDING MULTIPLE FINISHES AND/OR OTHER MATERIALS USED WITHIN A ROOM AND/OR AS PART OF THE DESIGN INTENT AS NOT SPECIFICALLY IDENTIFIED ON THE ROOM FINISH TAG.

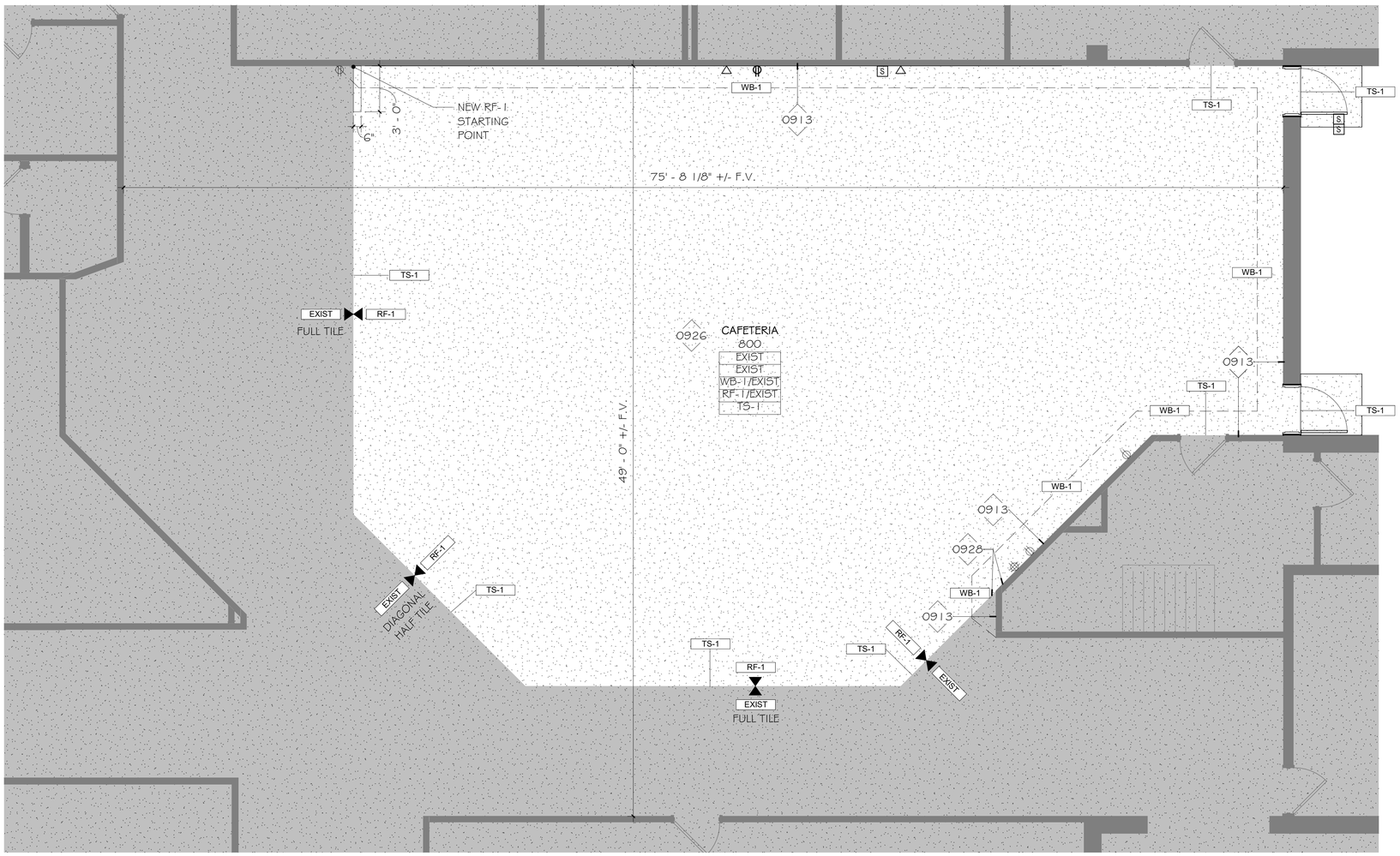
C. WHERE IDENTIFIED, ROOM REMARKS NOTED ON ROOM FINISH TAG ARE SPECIFIC TO ROOM & SUPERCEDE GENERAL ROOM FINISH NOTES.

D. INFORMATION ON ROOM FINISH TAG IS AS FOLLOWS:

ROOM NAME
ROOM NUMBER

CEILING FINISH
WALL FINISH
WALL BASE FINISH
FLOORING FINISH
ROOM REMARKS





N FINISH FLOOR PLAN - CAFETERIA
A14.1 1/4" = 1'-0"

GENERAL ROOM FINISH NOTES

A. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY MANUFACTURERS' LEAD TIME REQUIREMENTS FOR ALL FINISHES AND/OR MATERIALS IDENTIFIED IN THE DRAWINGS AND WRITTEN SPECIFICATIONS AND THEREFORE ORDER FINISHES AND/OR MATERIALS IN A TIMELY MANNER TO MEET THE PROJECT COMPLETION SCHEDULE.

B. FINISH SYSTEMS DESCRIBE THE FINISH SPECIFICATION FOR THE VERTICAL SURFACE OF ALL FINISHES APPLIED TO A PARTITION. IF DISCREPANCY OCCURS, CONTACT THE ARCHITECT FOR CLARIFICATION PRIOR TO STARTING WORK WITHIN THE SUBJECT AREA.

C. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY MANUFACTURERS' MINIMUM MATERIAL REQUIREMENTS REQUIRED FOR PURCHASE ORDERS FOR ALL FINISHES AND/OR MATERIALS IDENTIFIED IN THE DRAWINGS AND WRITTEN SPECIFICATIONS.

D. WORKMANSHIP SHALL BE THE BEST OF ITS RESPECTIVE KINDS FOR EACH OF THE VARIOUS TRADES EMPLOYED.

E. FINISH SUBSTITUTIONS SHALL BE APPROVED BY ARCHITECT ONLY. SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS FOR ANY SUBSTITUTIONS.

F. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. SUBSTRATE SHALL BE SMOOTH, FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISH MATERIAL MANUFACTURERS WRITTEN RECOMMENDATIONS.

G. GYP. CEILINGS AND SOFFITS, EXISTING AND NEW, TO BE PAINTED TO MATCH EXISTING, UNLESS OTHERWISE NOTED. REFER TO ROOM FINISH TAGS AND REFLECTED CEILING PLANS FOR MORE INFORMATION.

H. SEE A14.X SERIES SHEETS FOR ALL FLOORING MATERIAL LOCATIONS, PATTERNS, MATERIAL INSTALLATION DIRECTION, CHANGE IN BASE MATERIALS AND/OR BASE COLORS AT NOTED LOCATIONS/ADJACENCIES.

I. SEE A14.X SERIES SHEETS FOR ROOM FINISH TAGS, INDICATING CEILING, WALL, BASE & FLOOR MATERIALS. SEE ROOM FINISH TAG LEGEND FOR INFORMATION REGARDING SCHEDULED FINISHES.

J. ALL KEYNOTES IDENTIFIED BY OVAL SHAPE ON A14.X SERIES FINISH FLOOR PLAN, REFER TO WALL AND/OR COLUMN PAINT COLORS AS INDICATED, UNLESS OTHERWISE NOTED. WHERE NOTES INDICATE PAINT COLORS AT COLUMNS, ALL SIDES OF COLUMN TO BE PAINTED ACCENT COLOR.

K. UNLESS NOTED OTHERWISE ON THE DRAWINGS, REFER TO WRITTEN SPECIFICATIONS FOR ALL PAINT FINISHES. COLORS WILL BE IDENTIFIED ON FINISH LEGEND.

L. PROVIDE LEVEL AND SMOOTH TRANSITIONS BETWEEN CHANGE IN FLOORING MATERIALS, TYP.

M. PROVIDE FLOORING TRANSITION STRIPS, ADAPTORS AND/OR FLOORING REDUCERS AS REQUIRED BETWEEN CHANGE IN FLOORING MATERIAL SEE ROOM FINISH LEGEND "TRN-X" FOR DETAILS. CONTRACTOR TO VERIFY THE SUITABILITY OF SPECIFIED TRANSITIONS AND INFORM ARCHITECT OF ANY DISCREPANCIES. IF DISCREPANCIES DO OCCUR, CONTRACTOR TO PROVIDE RECOMMENDED SUBSTITUTIONS FOR ARCHITECT APPROVAL PRIOR TO INSTALLATION. ALL RECOMMENDATIONS MUST ADHERE TO ADA GUIDELINES.

N. UNLESS OTHERWISE NOTED, TRANSITION BETWEEN CHANGE IN MATERIALS SHOULD OCCUR AT CENTER OF DOOR THRESHOLD.

O. FLOORING TO BE INSTALLED UNDER ALL CASEWORK, TYP.

P. WHERE THE SAME FLOORING MATERIAL & INSTALLATION DIRECTION ARE USED IN ADJACENT ROOMS, THE MATERIAL SHOULD CONTINUOUSLY ALIGN BETWEEN ROOMS & DOORS, TYP.

Q. ELECTRICAL DEVICES AND PLATES COLORS: TO MATCH EXISTING

R. WHERE ANY WALL FINISH IS DAMAGED DUE TO DEMOLITION OR NEW CONSTRUCTION, PAINT TO MATCH EXISTING ADJACENT FINISH, COLOR AND SHEEN. PROVIDE SMOOTH FLUSH TRANSITION.

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Carman Trails Elementary School
555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd.
Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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NUMBER A-2021031961
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11/12/26

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DATE: 11/12/2026

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FINISH LEGEND & FINISH FLOOR PLAN

A14.1

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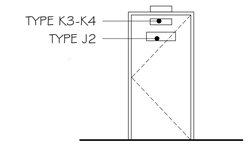


3 / A15.0 SIGNAGE MOUNTING HEIGHTS
NOT TO SCALE

GENERAL SIGNAGE NOTES

A. ALL LABELED ROOMS TO RECEIVE SIGN OUTSIDE EACH POINT OF ENTRY, U.N.O.

B. GRAVOTECH SIGNS, FULL VIEW SERIES, AS BASIS OF DESIGN. SUBSTITUTIONS TO BE APPROVED BY ARCHITECT.

C. ALL SIGNAGE TO COMPLY WITH APPLICABLE REGULATIONS, INCLUDING THE AMERICANS WITH DISABILITIES ACT AND ICC 500

D. ROOM NUMBERING TO BE VERIFIED WITH OWNER AND ARCHITECT PRIOR TO ORDERING.

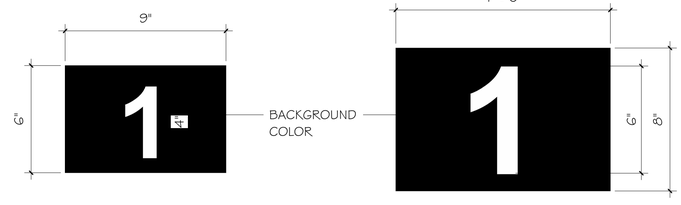
E. INSTALL SIGN TYPE K1 - K4 AT ALL EXTERIOR DOORS.

F. REFERENCE SPEC SECTION FOR ALL OTHER SIGNAGE TYPES AND REQUIREMENTS

G. OTHER EXISTING SIGNS AFFIXED TO DOOR TO BE REMOVED BY OWNER, STORED AND REINSTALLED BY OWNER.

SIGNAGE SCHEDULE

Door Number	Door Name	SIGN TYPE	TOTAL QUANTITY	Sign Type J2 Decal Text	K3 & K4 Decal Text	SIGNAGE BACKGROUND COLOR	SIGNAGE COMMENTS
EXD-800A	CAFETERIA SERVERY	K3, K4, J2	K3(1), K4(1), J2(1)	800	32	RED	
EXD-800B	CAFETERIA SERVERY	K3, K4, J2	K3(1), K4(1), J2(1)	800	33	RED	



K4

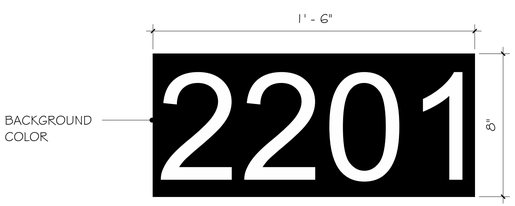
LETTERING LOCATED AT EXTERIOR DOORS TO BE APPLIED TO INTERIOR DOOR SURFACE. BACKGROUND COLOR TO MATCH ZONE COLOR PER SIGNAGE SHEDULE.

K3

LETTERING LOCATED AT EXTERIOR DOORS TO BE APPLIED AT CENTER TOP OF EXTERIOR DOOR SURFACE. LOCATE BETWEEN 1/2 AND 3/4 OF DOOR HEIGHT ADJACENT TO ALL OVERHEAD AND COILING DOORS. BACKGROUND COLOR TO MATCH ZONE COLOR PER SIGNAGE.

TYPE K1-K4

EXTERIOR DOOR SIGNS
MATERIAL: ALUM-CLAD FOAM PVC
FINISH: UV CURED INK
MOUNTING: TAPE ADHESIVE
K3 COPY: ARIAL 6"
K4 COPY: ARIAL 4"
COPY COLOR: WHITE
BACKGROUND COLOR: TO MATCH ZONE COLOR PER SIGNAGE SCHEDULE



TYPE J2

EXTERIOR DOOR SIGN
MATERIAL: ALUM-CLAD FOAM PVC
FINISH: UV CURED INK
MOUNTING: TAPE ADHESIVE
COPY: ARIAL 6"
COPY COLOR: WHITE
LOCATED AT EXTERIOR DOORS TO BE APPLIED DIRECTLY BELOW SIGN TYPE K1 AND/OR K3, ON EXTERIOR DOOR SURFACE.
BACKGROUND COLOR: TO MATCH ZONE COLOR PER SIGNAGE SCHEDULE.

1 / A15.0 SIGNAGE TYPES
3" = 1'-0"

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Revisions

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SIGNAGE TYPES & ELEVATIONS

A15.0

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STRUCTURAL ABBREVIATIONS

#	POUND(S), NUMBER
&	AND
(E)	EXISTING
@	AT
AB	ANCHOR BOLT (S)
ADDL	ADDITIONAL
ALT	ALTERNATE
ARCH	ARCHITECT(URAL)
B/FTG	BOTTOM OF FOOTING
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BMD	BOTTOM OF METAL DECK
BN	BOUNDARY NAIL
BOT	BOTTOM
BP	BASE PLATE
BRG	BEARING
BS	BOUNDARY SCREW
BTWN	BETWEEN
CANT	CANTILEVER(ED)
CFS	COLD-FORMED STEEL
CIP	CAST-IN-PLACE
CJ	CONTROL OR CONST JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CTR	CENTER
DBL	DOUBLE
DC	DEMAND CRITICAL (WELD)
deg	DEGREE
DET	DETAIL(S)
DF	DOUGLAS FIR
DFL	DOUGLAS FIR LARCH
dia	DIAMETER
DIM	DIMENSION
DWG	DRAWING
DWL	DOWEL
EA	EACH
EE	EACH END
EF	EACH FACE
EL	ELEVATION
ELEV	ELEVATOR
EMB	EMBEDMENT
EN	EDGE NAIL
EOJ	END OF JOIST
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ	EQUAL
ES	EDGE SCREW
ETC	ET CETERA
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FF	FINISH FLOOR
FIN FLR	FINISH FLOOR
FLR	FLOOR
FN	FIELD NAILING
FRMG	FRAMING
FRT	FIRE-RETARDENT TREATED
FS	FAR SIDE
FS	FIELD SCREW
FTG	FOOTING
FV	FIELD VERIFY
ga	GAUGE
GALV	GALVANIZE(D)
GLB	GLULAM BEAM
HDR	HEADER
HGR	HANGER

STRUCTURAL ABBREVIATIONS

HK	HOOK
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
INT	INTERIOR
ISF	INSIDE FACE
J/BRG	JOIST BEARING
JG	JOIST GIRDER
JG/BRG	JOIST GIRDER BEARING
JST	JOIST
JT	JOINT
kip	1,000 POUNDS
ksi	kips PER SQUARE INCH
LB	POUND
LG	LONG
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NIC	NOT IN CONTRACT
NS	NEAR SIDE
NTS	NOT TO SCALE
oc	ON CENTER
OH	OPPOSITE HAND
OPNG	OPENING
OSF	OUTSIDE FACE
PAF	POWER-ACTUATED FASTENER
PARA	PARAPET
PEMB	PRE-ENGINEERED METAL BUILDING (MANUFACTURER)
PIL	PILASTER
PL	PLATE
PLBG	PLUMBING
PLYWD	PLYWOOD
psf	POUNDS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
QT	QUANTITY
REINF	REINFORCED, REINFORCING
REQD	REQUIRED
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SD	SNOW DRIFT
SHTG	SHEATHING
SIM	SIMILAR
SL	SNOW LOAD
SOG	SLAB ON GRADE
SPF	SPRUCE PINE FIR
STD	STANDARD
STL	STEEL
STRUC	STRUCTURAL
SYP	SOUTHERN YELLOW PINE
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T/BRG	TRUSS BEARING
T/CONC	TOP OF CONCRETE
T/FTG	TOP OF FOOTING
T/PARA	TOP OF PARAPET
T/PIL	TOP OF PILASTER
T/STL	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
USGS	US GEOLOGICAL SURVEY
VAR	VARIES
VERT	VERTICAL
w/	WITH
WHS	WELDED HEADED STUD(S)
WP	WORK POINT
WWR	WELDED WIRE REINFORCEMENT

SHOP DRAWING AND SUBMITTAL NOTES

1. SHOP DRAWINGS AND/OR SUBMITTALS SHALL BE FURNISHED FOR ALL STRUCTURAL COMPONENTS. UNLESS OTHERWISE NOTED, THESE SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION IN ACCORDANCE WITH THESE CONTRACT DRAWINGS AND PROJECT SPECIFICATIONS (IF APPLICABLE). CONTRACTOR SHALL ALLOW A MINIMUM OF 2 WEEKS FROM RECEIPT OF SHOP DRAWINGS FOR CASE ENGINEERING INC. TO PROVIDE RESPONSE.
2. PRIOR TO SUBMITTAL TO CASE ENGINEERING, THE CONTRACTOR AND ARCHITECT SHALL HAVE REVIEWED THE SHOP DRAWINGS AND MADE ANY CORRECTIONS REQUIRED. THE CONTRACTOR AND ARCHITECT SHALL STAMP THE DRAWINGS, INDICATING THE SUBMITTAL HAS BEEN REVIEWED.
3. STRUCTURAL DRAWINGS ARE THE SOLE PROPERTY OF CASE ENGINEERING. REPRODUCTION OF STRUCTURAL DRAWINGS FOR USE IN SHOP DRAWING SUBMITTALS IS NOT ACCEPTABLE WITHOUT OUR WRITTEN AGREEMENT.
4. SHOP DRAWING REVIEW IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE RESPONSIBILITY FOR FINAL COMPLETENESS AND CORRECTNESS SHALL RESIDE WITH THE PREPARER OF THE SHOP DRAWINGS.

BUILDING CODES AND STANDARDS USED FOR DESIGN

1. INTERNATIONAL BUILDING CODE 2024 EDITION
   ASCE 7-22
   RISK CATEGORY: I

DESIGN LOADS

1. DESIGN LOADS

FLOOR LIVE LOAD:	100 psf
FLOOR DEAD LOAD:	SELF WEIGHT
VEHICLE SURCHARGE LOAD:	250 psf
YARDS & TERRACES; PEDESTRIAN:	100 psf

2. SNOW LOAD DESIGN CRITERIA
   MINIMUM FROST DEPTH: 2'-6"
3. SEISMIC LOAD DESIGN CRITERIA

IMPORTANCE FACTOR, I:	1.0
SITE CLASS:	D - ASSUMED
SPECTRAL RESPONSE ACCELERATIONS:	Ss=0.58g, S1=0.18g Sds=0.42g, Sd1=0.24g
SEISMIC DESIGN CATEGORY:	D

GENERAL STRUCTURAL NOTES

1. THIS DRAWING SET IS TO BE VIEWED AS A WHOLE AND COORDINATED WITH ARCHITECTURAL, MECHANICAL, CIVIL, AND OTHER DISCIPLINES. ALL WORK PERTAINING TO A SPECIFIC CONTRACTOR MAY OR MAY NOT BE SHOWN ON SPECIFIC DRAWING SECTIONS. IT IS EACH SUBCONTRACTOR'S RESPONSIBILITY TO PREPARE HIS BID FROM A COMPLETE SET OF PLANS.
2. THE CONTRACTOR SHALL FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT SCALE DRAWINGS. DIMENSIONS NOT SHOWN ON PLAN TO BE COORDINATED WITH ARCHITECTURAL PLANS.
3. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY AT ANY SIMILAR SITUATION ELSEWHERE ON THE JOB, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
4. THE STRUCTURE SHALL BE ADEQUATELY BRACED AND SHORED DURING ERECTION AGAINST WIND AND ERECTION LOADS. STRUCTURAL MEMBERS ARE DESIGNED FOR "IN-PLACE" LOADS ONLY.
5. THE GENERAL CONTRACTOR SHALL COORDINATE ALL OPENING SIZES, PAD SIZES, AND LOCATIONS WITH THE RESPECTIVE CONTRACTORS.
6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS.
7. SEE ARCHITECTURAL PLANS FOR ADDITIONAL DETAILS AND INFORMATION.
8. ALL ELEVATIONS GIVEN ARE REFERENCED TO FINISHED FLOOR ELEVATIONS AT 100'-0" OR 0'-0", UNLESS SHOWN AS USGS ELEVATIONS.
9. WHERE GENERAL NOTES OR TYPICAL DETAILS CONTRADICT INFORMATION PROVIDED IN BUILDING SECTIONS, THE BUILDING SECTIONS TAKE PRECEDENCE.
10. ALL HOLES THROUGH CONSTRUCTION SHALL BE CORE DRILLED OR SAWCUT.
11. WHERE INFORMATION PROVIDED IN THESE STRUCTURAL DRAWINGS CONTRADICTS INFORMATION PROVIDED IN PROJECT SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE.
12. FOR ARCHITECTURAL, MEP, & STRUCTURAL COORDINATION: MODELED ELEMENTS SHOWN ON STRUCTURAL DRAWINGS SUCH AS TRUSSES, OPEN-WEB JOISTS, AND JOIST GIRDERS, ARE NOT THE FINAL CONFIGURATION. ALL COORDINATION SHALL BE PERFORMED BETWEEN THE VARIOUS TRADES AND THE SUPPLIERS OF THESE ELEMENTS FOR THE STRUCTURE, NOT WITH THE STRUCTURAL MODEL.
13. THIS DRAWING SET IS TO BE VIEWED AS A WHOLE, ALL TYPICAL DETAILS AND GENERAL NOTES SHOWN IN THESE DRAWINGS ARE APPLICABLE TO THE PROJECT EVEN IF THEY ARE NOT SHOWN ON PLANS OR SECTIONS.
14. DESIRED ALTERATIONS TO ANY DETAIL, MEMBER SIZE, MEMBER TYPE, OR ANY OTHER STRUCTURAL COMPONENT SHOWN ON THE DRAWINGS, SHALL BE SUBMITTED AS A REQUEST IN WRITING TO CASE ENGINEERING. CASE ENGINEERING WILL NOT BE RESPONSIBLE FOR CHANGES TO THE DESIGN OR DETAILS MADE DURING SHOP DRAWINGS DEVELOPMENT, DURING CONSTRUCTION, OR AT ANY OTHER TIME WITHOUT WRITTEN CONSENT.

EXISTING CONSTRUCTION NOTES

1. ALL DIMENSIONS AND ELEVATIONS TO EXISTING CONSTRUCTION ARE FOR REFERENCE ONLY. FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO PREPARING SHOP DRAWINGS, FABRICATING MEMBERS (STRUCTURAL ITEMS), AND INSTALLATION.
2. ALL HOLES THROUGH EXISTING CONSTRUCTION SHALL BE CORE-DRILLED OR SAWCUT. DO NOT CUT ANY REINFORCING STEEL WHILE DRILLING INTO EXISTING CONCRETE. DO NOT TORCH CUT.
3. PRIOR TO SUBMITTING ANY SHOP DRAWINGS, DIMENSIONS BETWEEN NEW CONSTRUCTION AND EXISTING CONSTRUCTION SHALL BE SURVEYED BY THE GC AND PROVIDED TO THE SHOP DRAWING DETAILERS.
4. NOTIFY CASE ENGINEERING IMMEDIATELY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND STRUCTURAL DRAWINGS.
5. FOR ALL EXISTING CONSTRUCTION: DUE TO LIMITED OBSERVATION, OR NOT BEING ABLE TO VISIT THE EXISTING BUILDING DURING THE PREPARATION OF THESE DOCUMENTS, CASE ENGINEERING HAS ASSUMED THE EXISTING STRUCTURE IS IN LIKE-NEW CONDITION WITH NO CORROSION, DETERIORATION, OR DAMAGE, AND WAS CONSTRUCTED PER ANY ORIGINAL CONSTRUCTION DOCUMENTS PROVIDED (IF ANY EXIST). CONTRACTOR SHALL VERIFY THESE ASSUMPTIONS TO THE BEST OF THEIR ABILITY AND NOTIFY CASE ENGINEERING OF ANY CONCERNS, ISSUES, OR DISCREPANCIES.
6. CONTRACTOR TO VERIFY TOP OF ROOF SLOPE IS AT LEAST 1/4 INCH PER FOOT AFTER PLACEMENT OF ANY NEW LOADS APPLIED TO ROOF OR HUNG FROM ROOF FRAMING. LOADS FROM NEW OR REPLACED ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO, ROOF TOP MECHANICAL UNITS (RTU'S) AND ASSOCIATED DUCTWORK, HUNG HOODS, MAKE-UP AIR UNITS, CONDENSERS, COMPRESSORS, EXHAUST FANS, HUNG TRANSFORMERS, ROOFTOP GENERATOR(S), RE-ROOF MATERIALS, NEW CEILINGS, HUNG SIGNAGE, HUNG SPRINKLER PIPING, ETC. ALSO VERIFY THAT ALL ROOF DRAINS AND ANY WALL SCUPPERS ARE CLEAR AND FREE-DRAINING. REPORT RESULTS IN WRITING TO ARCHITECT AND STRUCTURAL ENGINEER AS SOON AS PRACTICAL DURING THE CONSTRUCTION PROCESS.

POST-INSTALLED ANCHOR NOTES

POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM CASE ENGINEERING PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR. HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED ON THESE DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO CASE ENGINEERING ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING, AT A MINIMUM, THE PERTINENT EQUIVALENT PERFORMANCE VALUES OF THE SPECIFIED PRODUCT USING THE BUILDING CODE.

1. TYPICAL POST-INSTALLED ANCHORS IN CONCRETE AND CMU SHALL COMPLY WITH THE LATEST OF THEIR RESPECTIVE ICC EVALUATION REPORTS.
2. WHEN INSTALLING ANCHORS IN CONCRETE AND CMU, CONTRACTOR SHALL LOCATE EXISTING REINFORCING STEEL, CONDUITS, ETC, PRIOR TO DRILLING FOR ANCHORS. CONTRACTOR SHALL USE CARE AND CAUTION TO PREVENT DAMAGE TO EXISTING REINFORCING BARS.
3. CONTRACTOR SHALL PROVIDE 1" MINIMUM CLEARANCE BETWEEN EDGES OF ANY HOLES FOR POST-INSTALLED ANCHORS AND EXISTING REINFORCING STEEL.
4. CONTRACTOR SHALL PROVIDE INSPECTION AND TESTING AS REQUIRED PER THE "SPECIAL INSPECTIONS" SECTION OF THESE GENERAL STRUCTURAL NOTES.
5. CONTRACTOR SHALL USE A HOLLOW DRILL BIT AND VACUUM SYSTEM WHEN DRILLING INTO CEMENTITIOUS MATERIALS.

REINFORCING STEEL NOTES

1. NON-WELDED STEEL BAR REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60. WELDED STEEL BAR REINFORCING SHALL CONFORM TO ASTM A706.
2. WELDING OF REINFORCING STEEL SHALL BE PERFORMED BY AWS QUALIFIED WELDERS IN CONFORMANCE WITH AWS D1.1 USING E90 ELECTRODES FOR ASTM A615 REBAR, AND E80 ELECTRODES FOR ASTM A706 REBAR UNLESS OTHERWISE NOTED ON THE DRAWINGS.
3. WELDED WIRE REINFORCEMENT (WWR) SHALL BE SMOOTH WIRE PER ASTM A185 WITH MINIMUM YIELD STRENGTH, fy = 65 ksi, OR DEFORMED WIRE PER ASTM A497 WITH MINIMUM YIELD STRENGTH, fy = 70 ksi, UNLESS NOTED OTHERWISE.
4. MINIMUM CONCRETE COVER FOR REINFORCING STEEL IN CAST-IN-PLACE (NON-PRESTRESSED) CONCRETE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON THE DRAWINGS:
   A. CONCRETE CAST AGAINST EARTH = 3"
   B. CONCRETE EXPOSED TO EARTH OR WEATHER:
      - #6 BAR AND LARGER = 2"
      - #5 BAR AND SMALLER = 1 1/2"
   C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER (SLABS, WALLS, & JOISTS):
      - #14 BARS AND LARGER = 1 1/2"
      - #11 BARS AND SMALLER = 3/4"
   D. CONCRETE NOT EXPOSED TO EARTH OR WEATHER (BEAMS & COLUMNS):
      - PRIMARY REINFORCEMENT, TIES, STIRRUPS, & SPIRALS = 1 1/2"
5. ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITION OF ACI 315 (SP-66), DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.
6. LAP SPLICE LENGTHS FOR BARS INSTALLED IN CONCRETE AND CMU SHALL BE IN ACCORDANCE WITH THE TABLE(S).

EXCAVATION AND EARTHWORK NOTES

1. THE NET ALLOWABLE SOIL BEARING VALUE AND LATERAL EARTH PRESSURES USED IN THE FOUNDATION DESIGN IS BASED ON (IBC CONSERVATIVE ENGINEERING VALUES:

• SPREAD FOOTINGS	1,500 psf
• CONT. WALL FOOTINGS	1,500 psf
• ACTIVE PRESSURE	60 psf/ft
• AT-REST PRESSURE	100 psf/ft
• PASSIVE PRESSURE	100 psf/ft (CONSERVATIVE PER IBC)
• FRICTION COEFFICIENT	0.25

2. ALL EXCAVATION, FILL, COMPACTION, AND GRADING OF THE SITE SHALL BE COMPLETED PRIOR TO CONSTRUCTING FOUNDATIONS
3. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED, PRIOR TO CONCRETE PLACEMENT, BY A SOILS ENGINEER TO VERIFY SUITABLE BEARING MATERIAL OF CAPACITY AS SPECIFIED.
4. NOTIFY THE OWNER'S REPRESENTATIVE WHEN ADDITIONAL EXCAVATION IS REQUIRED TO REACH SUITABLE BEARING MATERIAL.
5. THE SOILS ENGINEER SHALL CERTIFY IN WRITING THAT ALL FOUNDATIONS WERE PLACED ON SOIL WITH THE BEARING VALUE AS SPECIFIED.
6. WITHIN THE EXCAVATION AREA OF FOUNDATIONS, ALL VEGETATION, TOPSOIL, PREVIOUSLY PLACED FILL AND UNSUITABLE SOILS SHALL BE REMOVED. ALL FOOTINGS TO BEAR ON VIRGIN SOIL OR PROPERLY PLACED AND COMPACTED ENGINEERED FILL.
7. FOUNDATION DESIGN DOES NOT ACCOUNT FOR WINTER CONSTRUCTION. ANY UNENCLOSED / UNHEATED SPACES SHALL BE ADEQUATELY PROTECTED AGAINST FROST DURING WINTER CONSTRUCTION BY THE CONTRACTOR.
8. IF ANY SOFT SPOTS, OR AREAS QUESTIONABLE FOR ANY REASONS ARE ENCOUNTERED BY THE CONTRACTOR, ARCHITECT/ENGINEER SHALL BE NOTIFIED IMMEDIATELY SO THAT ANY REQUIRED ACTION MAY BE TAKEN PRIOR TO CONTINUATION OF CONSTRUCTION IN THAT AREA.

DEVELOPMENT LENGTH OF STANDARD HOOKS IN CONCRETE NOTES

1. VALUES IN TABLE ARE BASED ON 60ksi REBAR. FOR OTHER REBAR YIELD STRENGTHS, MULTIPLY VALUES IN THE TABLE BY THE SPECIFIED YIELD STRENGTH DIVIDED BY 60.
2. REBAR IN ALL CONCRETE MEMBERS SHALL HAVE STANDARD HOOKS WHERE SHOWN ON SECTIONS IN ACCORDANCE WITH "DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION" TABLE, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.

DEVELOPMENT LENGTH OF STANDARD HOOKS IN CONCRETE - 60 ksi...

BAR SIZE	f'c = 4,000 psi	f'c = 4,500 psi	f'c = 5,000 psi
#3	8	7	7
#4	10	9	9
#5	12	12	11
#6	15	14	13
#7	17	16	15
#8	19	18	17
#9	22	21	20
#10	25	23	22
#11	27	26	24

TENSION LAP SPLICE LENGTH IN CONCRETE NOTES

1. FOR HORIZONTAL BARS, VALUES IN THE TABLE SHALL BE MULTIPLIED BY 1.3 WHERE MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE BAR.
2. WHERE CLEAR SPACING OF BARS BEING SPLICED IS AT LEAST 2 BAR DIAMETERS AND CLEAR COVER AT LEAST 1 BAR DIAMETER, USE CASE 1. FOR ALL OTHER BAR ARRANGEMENTS, USE CASE 2.
3. VALUES IN THE TABLE ARE BASED ON 60ksi REBAR. FOR OTHER REBAR YIELD STRENGTHS, MULTIPLY VALUES IN THE TABLE BY THE SPECIFIED YIELD STRENGTH DIVIDED BY 60.
4. WHERE BARS OF DIFFERENT SIZES ARE SPLICED, PROVIDE THE LAP LENGTH OF THE LARGER BAR.
5. WELDED WIRE REINFORCEMENT (DEFORMED OR PLAIN WIRE) SHALL BE LAPPED ONE FULL MESH SQUARE PLUS 2 INCHES MINIMUM, BUT NOT LESS THAN 12 INCHES.
6. REBAR IN ALL CONCRETE MEMBERS SHALL BE SPLICED IN ACCORDANCE WITH "TENSION LAP SPLICE LENGTH" TABLE, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.

TENSION LAP SPLICE LENGTH IN CONCRETE - 60 KSI REBAR TABLE (INCHES)

f'c =	3,500psi	3,500psi	4,000psi	4,000psi	4,500psi	4,500psi	5,000psi	5,000psi
BAR SIZE	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	20	30	19	28	18	27	17	25
#4	27	40	25	37	24	35	23	34
#5	33	50	31	47	30	44	28	42
#6	40	60	37	56	35	53	34	50
#7	58	87	54	81	51	77	49	73
#8	66	99	62	93	59	88	56	83
#9	75	112	70	105	66	99	63	94
#10	84	126	79	118	74	111	71	106
#11	93	140	87	131	82	123	78	117

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Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
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Project No: 26015

Revisions

Description	Date

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11/06/26

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GENERAL NOTES

S1.0

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SCALE: 3/4" = 1'-0" 0 0.25' 0.5' 1'
SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2'
SCALE: 1" = 1'-0" 0 0.5' 1' 2'
SCALE: 3/4" = 1'-0" 0 1' 2' 3'
SCALE: 1/2" = 1'-0" 0 1' 2' 4'
SCALE: 1/4" = 1'-0" 0 2' 4' 8'
SCALE: 3/8" = 1'-0" 0 4' 8' 16'
SCALE: 1/16" = 1'-0" 0 8' 16' 32'

CONCRETE NOTES

1. ALL CONCRETE WORK INCLUDING FORMING, REINFORCING, MIXING, PLACING, FINISHING AND CURING SHALL BE DONE IN ACCORDANCE WITH THE ACI MANUAL OF CONCRETE PRACTICE INCLUDING "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", ACI 318, AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE", ACI 301 LATEST EDITIONS.
2. IT SHALL BE THE RESPONSIBILITY OF THE MIX DESIGN SUPPLIER TO PROPORTION MIXES APPROPRIATELY TO REACH THE REQUIRED PROPERTIES NOTED, AND SHALL BE APPROPRIATE FOR THEIR INTENDED USE. ADMIXTURES MEETING ASTM C494 ARE OPTIONAL. HOWEVER, AIR-ENTRAINING ADMIXTURES MEETING ASTM C260 SHALL BE USED FOR CONCRETE EXPOSED TO THE EXTERIOR OR FREEZE-THAW CYCLES.
3. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR EACH INTENDED USE ON THE PROJECT FOR REVIEW AND APPROVAL BY CASE ENGINEERING. CONTENTS OF THE MIX DESIGN SHALL COMPLY WITH, AND INCLUDE ALL INFORMATION REQUIRED BY, ACI 318, CHAPTER 5 (FOR 2011 AND EARLIER CODE EDITIONS), & CHAPTER 26 (FOR 2014 CODE EDITION). THIS INCLUDES, BUT IS NOT LIMITED TO NUMBER OF TESTS AND AGE OF TESTS INCLUDED IN THE MIX DESIGN REPORT.
4. ALL CONCRETE DENSITY SHALL BE NORMAL WEIGHT (145 pcf +/- 5) UNLESS OTHERWISE INDICATED.
5. FLY ASH ALLOWANCES:
   - 20% MAXIMUM BY WEIGHT OF CEMENTITIOUS IN FOOTINGS
   - 15% MAXIMUM BY WEIGHT OF CEMENTITIOUS MATERIAL IN SLABS
   - 0% (NONE) IN SLABS TO RECEIVE SHAKE ON HARDENERS
6. COORDINATE CONCRETE WORK WITH THAT OF OTHER TRADES TO ALLOW FOR SETTING OF SLEEVES, ACCESSORIES, ETC.
7. ALL REINFORCING STEEL, ANCHOR RODS, DOWELS, AND INSERTS SHALL BE WELL-SECURED IN POSITION PRIOR TO PLACING CONCRETE. DO NOT "WET SET" OR "FLOAT" INTO CONCRETE.
8. TEST CYLINDERS WILL BE REQUIRED, AND RECORDS OF RESULTS SHALL BE SUBMITTED TO CASE ENGINEERING. PROVIDE A MINIMUM OF (4) 6"x12" OR (5) 4"x8" CYLINDERS OF EACH MIX DESIGN FOR TESTING AT THE FREQUENCIES LISTED BELOW. TEST 1 AT 7 DAYS, 2 AT 28 DAYS FOR 6"x12" CYLINDERS, OR 3 AT 28 DAYS FOR 4"x8" CYLINDERS. KEEP 1 SPARE FOR FURTHER TESTING IF NEEDED. CYLINDERS SHALL BE TAKEN AND TESTED NO LESS THAN THE FOLLOWING: (SLUMP TESTS ARE RECOMMENDED)
   A. ONCE A DAY
   B. FOR EACH 150 CUBIC YARDS POURED
   C. FOR EACH 5,000 SQ. FT. OF SURFACE AREA POURED
9. CONSTRUCTION JOINTS IN CONCRETE INDICATED WITH A ROUGH, CLEAN SURFACE SHALL HAVE A 1/4" AVERAGE AMPLITUDE.
10. ALL COLD JOINTS SHALL BE ROUGHENED AND CLEANED PRIOR TO PLACING CONCRETE.
11. SLUMP: CONCRETE MIXES SHALL BE PROPORTIONED TO ACHIEVE A MAXIMUM SLUMP OF 8" FOR CONCRETE CONTAINING HIGH RANGE WATER REDUCING ADMIXTURE. 6" FOR CONCRETE CONTAINING A MID-RANGE WATER REDUCING ADMIXTURE. MIXES SHALL HAVE A WATER SLUMP OF 2"-3" PRE-ADDITIVE (3" TO 4" FOR CONCRETE RECEIVING A "DRY-SHAKE" HARDENER). MAXIMUM 4" WATER SLUMP FOR ALL OTHER CONCRETE NOT CONTAINING A WATER REDUCER.
12. DEPOSIT AND CONSOLIDATE CONCRETE FOR FLOORS AND SLABS IN A CONTINUOUS OPERATION, WITHIN LIMITS OF CONSTRUCTION JOINTS, UNTIL PLACEMENT OF A PANEL OR SECTION IS COMPLETE.
   A. CONSOLIDATE CONCRETE DURING PLACEMENT OPERATIONS, SO CONCRETE IS THOROUGHLY WORKED AROUND REINFORCEMENT AND OTHER EMBEDDED ITEMS AND INTO CORNERS.
   B. MAINTAIN REINFORCEMENT IN POSITION ON CHAIRS DURING CONCRETE PLACEMENT.
   C. SCREED SLAB SURFACES WITH A STRAIGHT EDGE AND STRIKE OFF TO CORRECT ELEVATIONS.
   D. UTILIZE A VIBRATORY SCREED FOR CONCRETE THAT WILL RECEIVE DIAMOND POLISH FINISH. KEEP VIBRATING SCREED MOVING CONTINUOUSLY ACROSS SURFACE. DO NOT STOP SCREED IN ANY ONE PLACE WHILE VIBRATING.
   E. SLOPE SURFACES UNIFORMLY TO DRAINS WHERE REQUIRED.
   F. BEGIN INITIAL FLOATING USING BULL FLOATS OR DARBIES TO FORM A UNIFORM AND OPEN-TEXTURED SURFACE PLANE BEFORE EXCESS BLEED WATER APPEARS ON THE SURFACE. DO NOT FURTHER DISTURB SLAB SURFACES BEFORE STARTING FINISHING OPERATIONS.
   G. THE USE OF HIGHWAY STRAIGHT EDGES OR "BUMP CUTTERS" ON CONCRETE SLABS TO BE POLISHED IS PROHIBITED.
13. ALL SLABS-ON-GRADE SHALL MEET THE SPECIFIED OVERALL FLOOR FLATNESS (FF) AND OVERALL FLOOR LEVELNESS (FL) MEASUREMENTS PROVIDED BASED ON BUILDING USE. COORDINATE WITH THE ARCHITECT, EQUIPMENT MANUFACTURERS AND OWNER/TENANT FOR MORE STRINGENT SPECIFIED OVERALL REQUIREMENTS AND FOR ANY MINIMUM LOCAL VALUES UNDER SPECIFIC EQUIPMENT. TESTING SHALL BE DONE ON SLABS REQUIRED TO BE "FLAT" OR "SUPER FLAT" OR AT OWNER / TENANT REQUEST IN ACCORDANCE WITH ASTM E 1155 AND WITHIN 16 TO 72 HOURS OF THE FINAL TROWELLING OPERATION.
   A. MODERATELY FLAT; COMMERCIAL BUILDINGS
      - F_F = 25, F_L = 20
14. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH IN ACCORDANCE WITH THE FOLLOWING:
   A. AIR ENTRAINMENT IS NOT RECOMMENDED FOR SURFACES TO BE GIVEN A SMOOTH, DENSE, HARD-TROWELED FINISH. COORDINATE FINISH REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND/ OR SPECIFICATIONS.

CONCRETE TABLE

INTENDED USE	EXPOSURE CLASS	MIN 28 DAY STRENGTH (psi)	MAX WATER-CEMENT RATIO	% TOTAL AIR LIMITS	% MAX SHRINKAGE @ 28 DAYS
INTERIOR SLAB ON GRADE	F0	4,000	0.50	3	0.04
CONCRETE EXPOSED TO DE-ICERS	F3	5,000	0.40	4.5 TO 7.5	0.05

SPECIAL INSPECTIONS

1. REFER TO THE SPECIAL INSPECTION TABLES FOR THE LIST OF ELEMENTS OF CONSTRUCTION THAT SHALL REQUIRE SPECIAL INSPECTION. THIS SHALL BE CONSIDERED A GUIDE, AND THE CONTRACTOR AND INSPECTOR SHALL REFER TO THE IBC FOR COMPLETE REQUIREMENTS, QUALIFICATIONS, EXCEPTIONS, AND SUBMITTALS. REFER TO IBC CHAPTER 17. THE OWNER SHALL BE RESPONSIBLE FOR EMPLOYING THE SPECIAL INSPECTION AGENCY. ANY "OBSERVATIONS" BY CASE ENGINEERING WILL NOT BE TO PERFORM SPECIAL INSPECTIONS AND SHALL NOT BE INTERPRETED AS SUCH.
2. COPIES OF ALL INSPECTION REPORTS THAT REPORT COMPLIANCE SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD, CASE ENGINEERING, AND BUILDING INSPECTOR WITHIN 7 CALENDAR DAYS OF COMPLETION OF THAT PORTION OF WORK. A MINIMUM OF ONE (1) PROGRESS REPORT PER MONTH FOR EACH TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION SHALL BE SUBMITTED TO CASE ENGINEERING.
3. SPECIAL INSPECTOR SHALL INFORM CASE ENGINEERING IMMEDIATELY OF NON-COMPLIANCE WITH CONSTRUCTION DOCUMENTS OR APPROVED SUBMITTALS. CONTACT CASE ENGINEERING THE SAME DAY NON-COMPLIANCE IS DISCOVERED AND FOLLOW UP WITH AN OFFICIAL REPORT WITHIN 2 BUSINESS DAYS.
4. THE SPECIAL INSPECTIONS IDENTIFIED ON THE PLANS ARE IN ADDITION TO, AND NOT A SUBSTITUTE FOR THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A BUILDING INSPECTOR.
5. SPECIAL INSPECTIONS ARE NOTED AS EITHER "CONTINUOUS" OR "PERIODIC". A "CONTINUOUS" INSPECTION REQUIRES THE PRESENCE OF A QUALIFIED INSPECTOR IN THE VICINITY OF THE WORK BEING PERFORMED FOR 100% OF THAT WORK. A "PERIODIC" INSPECTION REQUIRES PART-TIME OBSERVATION OF THE WORK BEING PERFORMED. THE INSPECTOR SHALL ALSO OBSERVE THE FINAL CONDITION OF THE WORK BEFORE IT IS CLOSED FROM VIEW.
6. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED, IT SHALL BE THE RESPONSIBILITY OF THE AGENT TO EMPLOY A SUFFICIENT NUMBER OF SPECIAL INSPECTORS TO ASSURE THAT ALL WORK IS CONTINUOUSLY INSPECTED IN ACCORDANCE WITH THOSE PROVISIONS.
7. SPECIAL INSPECTIONS AND TESTS ARE NOT REQUIRED FOR PORTIONS OF STRUCTURES DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION PROVISIONS OF SECTION 2211 OF THE IBC OR THE CONVENTIONAL LIGHT-FRAME CONSTRUCTION PROVISIONS OF SECTION 2308 OF THE IBC.

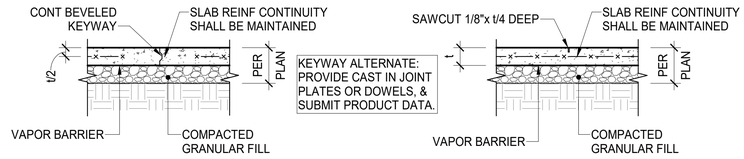
SPECIAL INSPECTIONS - SOILS AND FOUNDATIONS TABLE

ITEM	INSPECTION FREQUENCY	SCOPE
SOILS	PERIODIC	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY; VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL; PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS; PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY
SOILS	CONTINUOUS	VERIFY USE OF PROPER MATERIALS, DENSITIES, LIFT THICKNESSES, AND COMPACTION OF FILL; VERIFY MATERIALS AND PROCEDURES COMPLY WITH THE GEOTECHNICAL REPORT / SOILS ENGINEER

SPECIAL INSPECTIONS - CONCRETE TABLE

ITEM	INSPECTION FREQUENCY	SCOPE
REINFORCEMENT	PERIODIC	INSPECT REINFORCEMENT AND PLACEMENT; VERIFY CONFORMANCE WITH CONSTRUCTION DOCUMENTS, AND THAT BARS ARE FREE FROM MATERIALS THAT COULD PREVENT BOND, ARE ADEQUATELY LAPPED, SPLICED, TIED, AND SUPPORTED
ANCHOR INSTALLATION	PERIODIC	INSPECT POST-INSTALLED MECHANICAL AND ADHESIVE ANCHORS NOT OTHERWISE SPECIFIED
ANCHOR INSTALLATION	CONTINUOUS	INSPECT POST-INSTALLED MECHANICAL AND ADHESIVE ANCHORS PER THE REQUIREMENTS IN THEIR RESPECTIVE ICC-ES REPORTS
MIX DESIGN	PERIODIC	VERIFY USE OF APPROVED MIX DESIGN
SAMPLING AND TESTING	CONTINUOUS	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTING; PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE TEMPERATURE OF THE CONCRETE
CONCRETE PLACEMENT	PERIODIC	VERIFY MAINTENANCE OF CURING TEMPERATURE AND TECHNIQUES
CONCRETE PLACEMENT	PERIODIC	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF CONCRETE MEMBER BEING FORMED
CONCRETE PLACEMENT	CONTINUOUS	CONCRETE PLACEMENT

NOTES:
1. SAW-CUT CONTROL JOINTS TO BE CUT AS SOON AS SURFACE WILL NOT BE TORN, ABRADED, OR OTHERWISE DAMAGED BY CUTTING ACTION. (WITHIN 8 TO 10 HOURS OF BURNISHING)
2. SPACE CONTROL JOINTS AT 36 TIMES THE SLAB THICKNESS MAX. FOR INTERIOR SLABS UNO ON PLANS.
3. CONSTRUCTION JOINTS TO BE USED AT END OF EACH POUR.

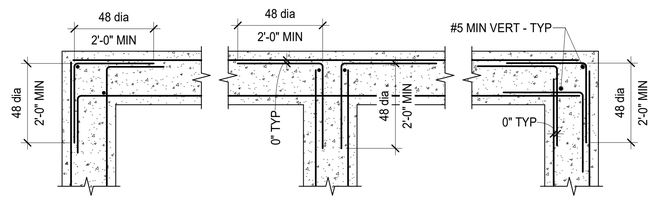


CONSTRUCTION JOINT **CONTROL JOINT**

A S1.1 TYP SLAB-ON-GRADE CONSTRUCTION JOINT DETAILS

N.T.S.

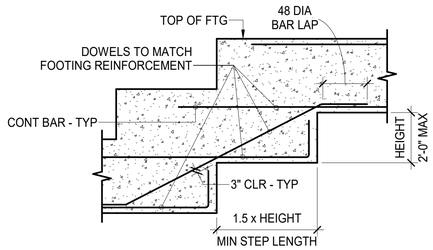
NOTES:
1. WHERE SINGLE CURTAIN OF REINFORCING OCCURS, BEND BARS AS SHOWN FOR OUTSIDE BARS.
2. FOR MORE THAN 2 BARS PER LAYER, EXTEND INNER BARS 12" INTO PERPENDICULAR FOOTING. OUTER BARS SHALL BE PLACED AS INDICATED.
3. CORNER BARS TO MATCH WALL REINFORCEMENT.



PLAN OF TYPICAL CORNER **PLAN OF INTERSECTION** **PLAN OF ALTERNATE CORNER**

B S1.1 TYP CONCRETE FOOTING, FOUNDATION, & WALL REINFORCEMENT DETAIL

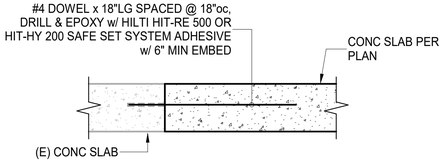
N.T.S.



C S1.1 TYP FOOTING STEP DETAIL

N.T.S.

NOTES:
1. NEW SLAB TO BE 4,000 PSI MIN.
2. MATCH EXISTING SLAB DEPTH.
3. COORD w/ARCH DRAWINGS.



D S1.1 TYP SLAB REPAIR DETAIL

N.T.S.

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Project No: 26015

Revisions

Description	Date

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GEN NOTES & TYP DETAILS

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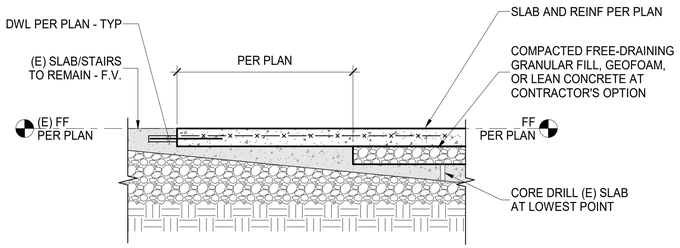
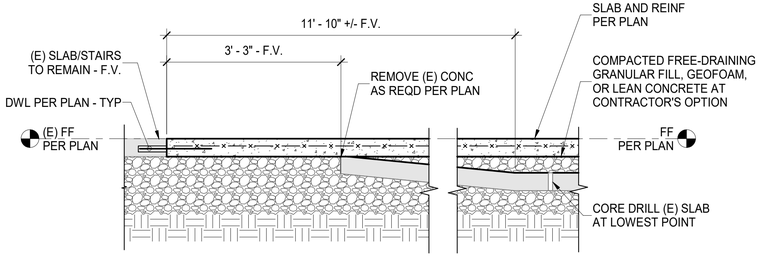


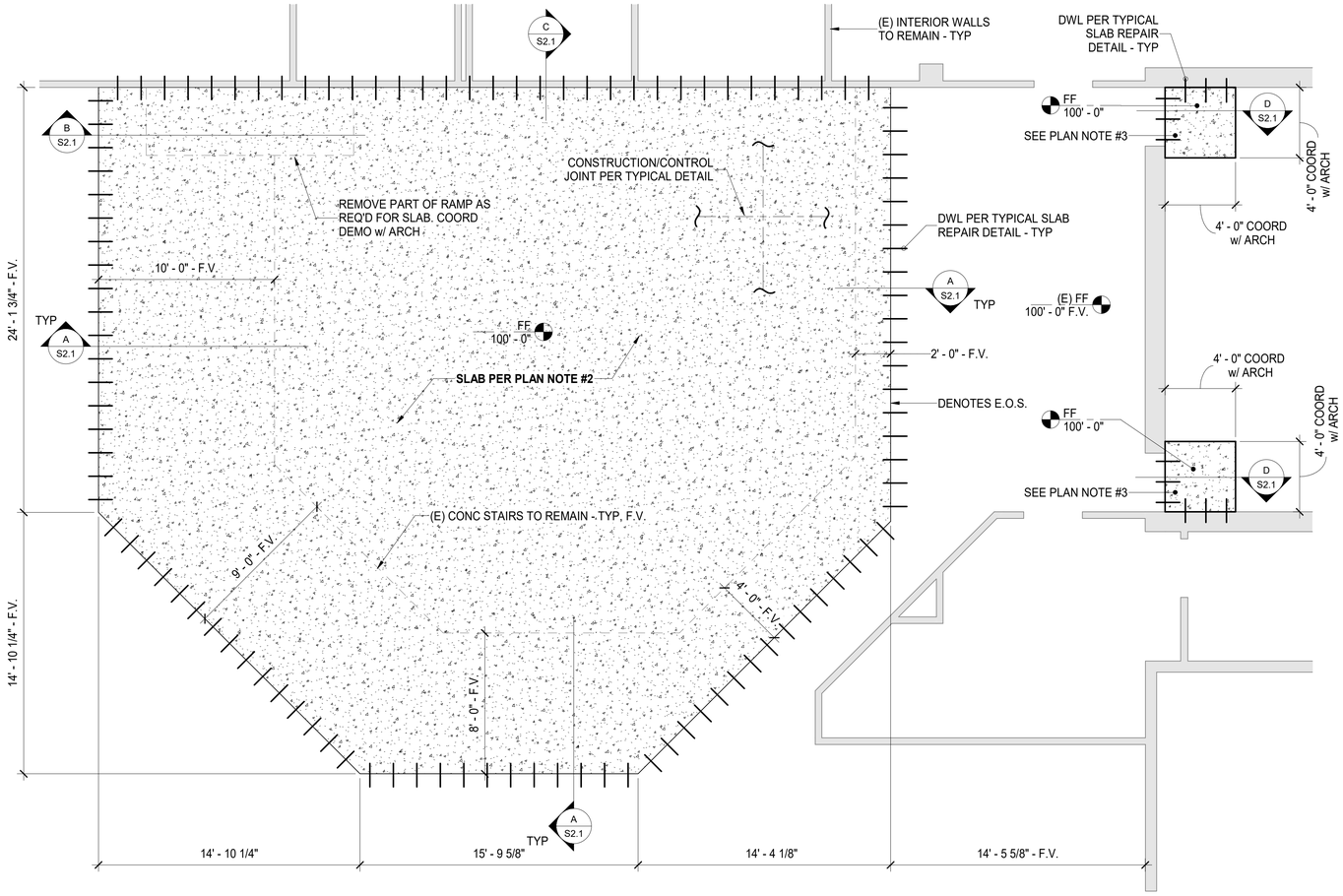
A S2.1 FOUNDATION SECTION

3/4" = 1'-0"



B S2.1 FOUNDATION SECTION

3/4" = 1'-0"

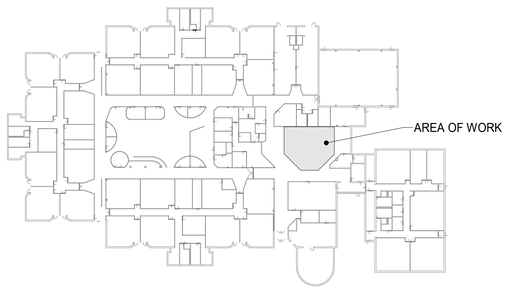


FOUNDATION PLAN

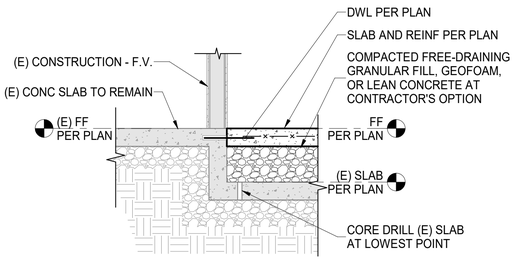
PLAN NOTES

SCALE: 1/4" = 1'-0"

1. SEE SHEETS S1.0 - S1.1 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. 4" CONCRETE SLAB REINFORCED WITH ONE LAYER OF 6x6 - W2.1xW2.1 WWR ON 15 MIL. POLY VAPOR BARRIER OVER 4" MINIMUM COMPACTED FREE-DRAINING GRANULAR MATERIAL. REINFORCEMENT TO BE LOCATED IN THE MIDDLE OF THE SLAB.
3. 4" CONCRETE SLAB REINFORCED WITH ONE LAYER OF 6x6 - W2.1xW2.1 WWR. REINFORCEMENT TO BE LOCATED IN THE MIDDLE OF THE SLAB.
4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SECTIONS, AND ELEVATIONS NOT SHOWN HEREON.
5. ALL ELEVATIONS ARE REFERENCED FROM FINISHED MAIN FLOOR = 100'-0"
   - T/CONC = TOP OF CONCRETE = PER PLAN

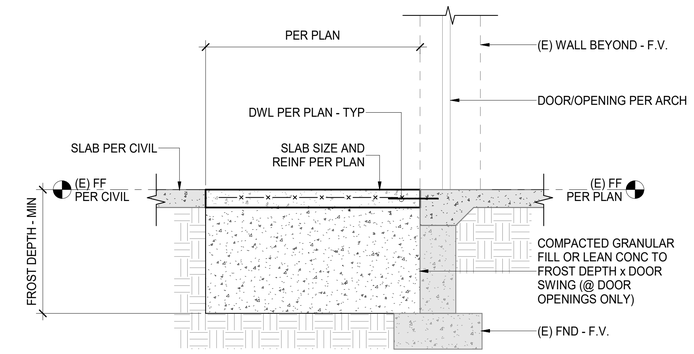


KEY PLAN



C S2.1 FOUNDATION SECTION

3/4" = 1'-0"



D S2.1 FOUNDATION SECTION

3/4" = 1'-0"

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PINCHIN, LLC
Hazardous Materials Design
Project Number: R262.00457.004
Certificate of Authority #
2 Cityplace Drive, Suite 195,
St. Louis, Missouri 63141
314.230.0182 tel
Contact: Megan Kienker
Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School
555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd.,
Chesterfield, MO 63017
314.415.6231 tel

Project No: 26015

Revisions

Description	Date

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KYLE LINDNFELSER
NUMBER PE-2010036255
PROFESSIONAL ENGINEER
11/06/26

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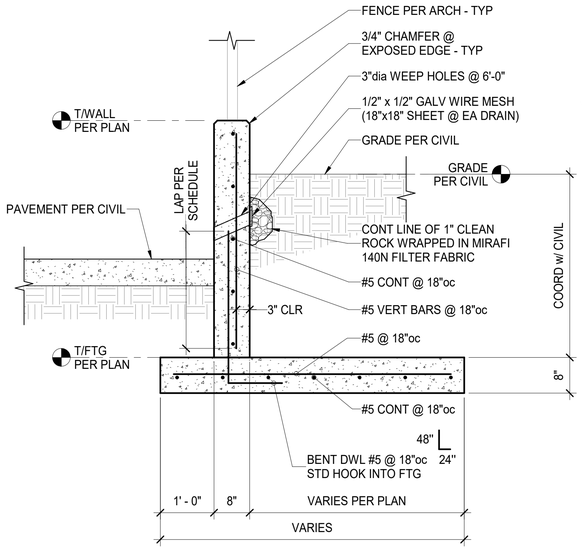
DATE: 11/12/2026

BID/PERMIT SET

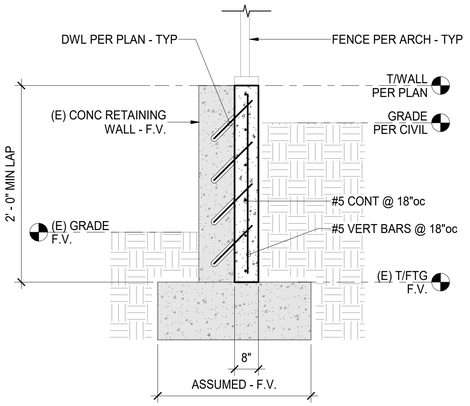
SLAB INFILL AT CAFETERIA

S2.1

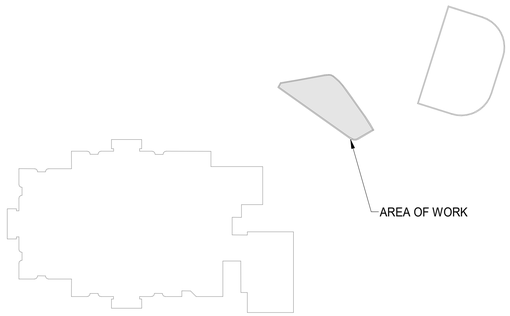
11/6/2026 3:14:15 PM



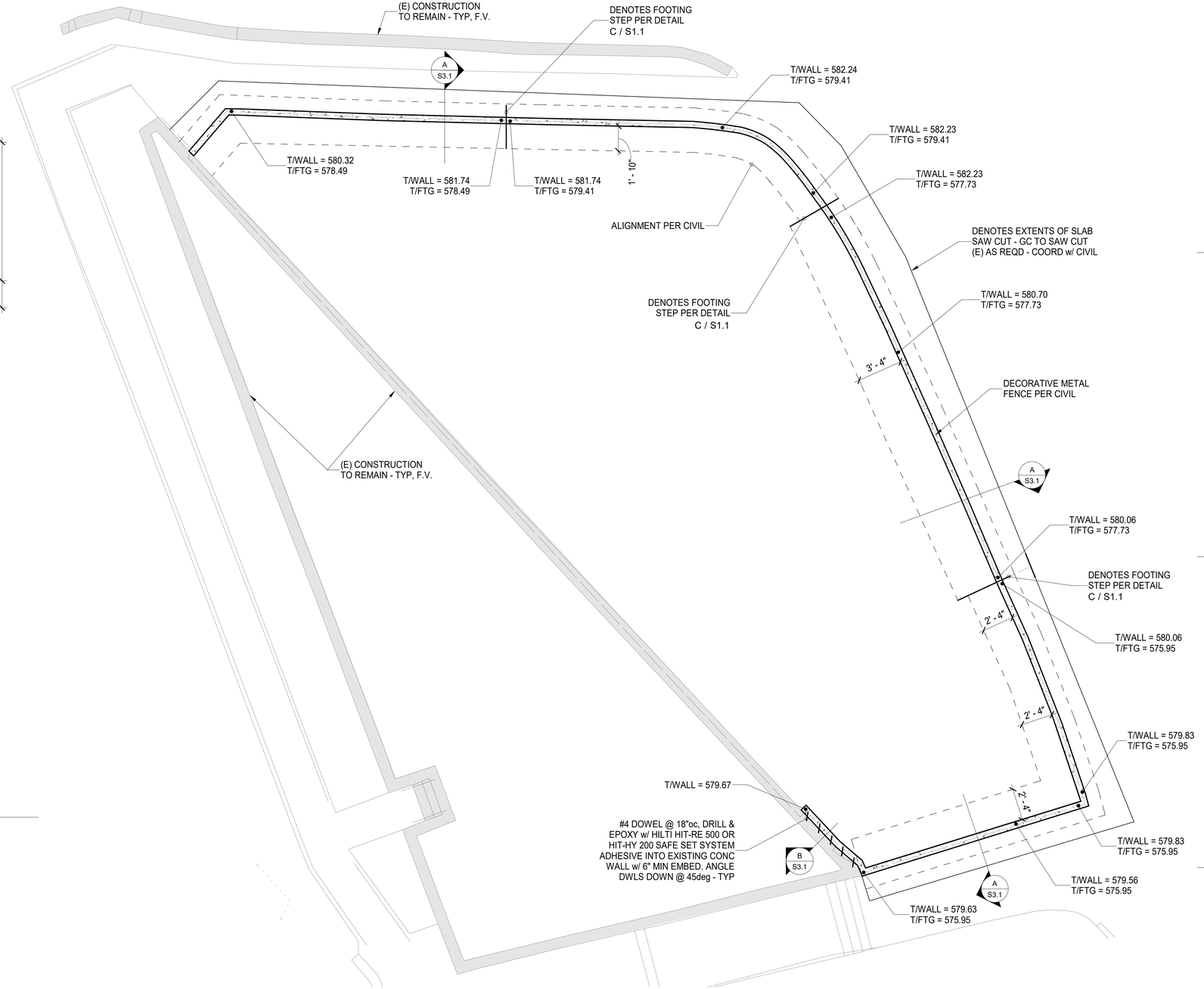
A S3.1 RETAINING WALL DETAIL
3/4" = 1'-0"



B S3.1 RETAINING WALL AT STAIRS DETAIL
1/2" = 1'-0"



KEY PLAN



FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES

1. SEE SHEETS S1.1 - S1.2 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. ALL ELEVATIONS ARE REFERENCED FROM CIVIL GRADING PLAN. SEE CIVIL GRADING PLAN FOR ALL ADDITIONAL ELEVATIONS NOT SHOWN HEREON.
   - T/WALL = TOP OF WALL = PER PLAN (COORD w/ CIVIL)

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BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
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Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

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PROFESSIONAL ENGINEER
11/06/26

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FOUNDATION PLAN AT PLAYGROUND

S3.1

11/6/2026 3:14:17 PM

ELECTRICAL COMPONENTS EARTHQUAKE LOAD RESISTANCE

OCCUPANCY CATEGORY: III — SEISMIC DESIGN CATEGORY: D

LISTING OF EQUIPMENT AND SYSTEM COMPONENTS IP=1.0	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS.				COMMENTS
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	ON CONST. DOCUMENTS		SUBSEQUENT SUBMITTAL		
					DWG. NO.	SPEC SECT.	SHOP DWGS	SEP. PERMIT	
EMERGENCY OR STANDBY EQUIP. AND SYSTEM COMPONENTS: N/A									
OTHER EQUIPMENT AND SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF SEISMIC GROUP III FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION: N/A									
OTHER GENERAL EQUIPMENT AND SYSTEM COMPONENTS:									
DISTRIBUTION PANELS	X		X						PANELS ARE EXISTING.
LIGHTING FIXTURES	X		X						LIGHT FIXTURES ARE EXISTING.

NOTES:

1. TABLE 4.4, GENERAL EXEMPTION - SEISMIC BRACING NOT REQUIRED FOR ALL MEP COMPONENTS IN SEISMIC DESIGN CATEGORY A OR B.
2. TABLE 4.4, GENERAL EXEMPTION - SEISMIC BRACING NOT REQUIRED FOR ALL MEP COMPONENTS IN SEISMIC DESIGN CATEGORY C AND THE COMPONENT IMPORTANCE FACTOR = 1.0.
3. TABLE 4.4, GENERAL EXEMPTION - SEISMIC BRACING NOT REQUIRED FOR ALL MEP COMPONENTS IN SEISMIC DESIGN CATEGORY D, E OR F, AND THE COMPONENT IMPORTANCE FACTOR = 1.0, AND COMPONENTS HAVE APPROVED FLEXIBLE CONNECTIONS NO LESS THAN 3 FEET IN LENGTH TO THE ASSOCIATED DUCTWORK, PIPING AND CONDUIT, AND THE COMPONENTS ARE EITHER:
   A. MOUNTED 4 FEET OR LESS ABOVE THE FLOOR LEVEL AND WEIGH 400 POUNDS OR LESS.
   B. WEIGH 20 POUNDS OR LESS, OR FOR DISTRIBUTION SYSTEMS WEIGHING 5 LB/FT OR LESS.
4. TABLE 4.4 LIGHT FIXTURE, SIGN, CEILING FAN EXEMPTIONS - NOT CONNECTED TO DUCTS OR PIPING, SUPPORTED BY CHAINS OR OTHERWISE SUSPENDED FROM THE STRUCTURE, PROVIDED ALL THE FOLLOWING CRITERIA ARE MET:
   A. THE EDSIGN LOAD FOR SUCH ITEMS SHALL BE EQUAL TO 1.4 TIMES THE OPERATING WEIGHT ACTING DOWN WITH A SIMULTANEOUS HORIZONTAL LOAD EQUAL TO 1.4 TIMES THE OPERATING WEIGHT. THE HORIZONTAL LOAD SHALL BE APPLIED IN THE DIRECTION THAT RESULTS IN THE MOST CRITICAL LOADING FOR DESIGN.
   B. SEISMIC INTERACTION EFFECTS SHALL BE CONSIDERED PER SECTION 13.2.3 OF ASCE 7-10.
   C. THE CONNECTION TO THE STRUCTURE SHALL ALLOW A 360 DEGREE RANGE OF MOTION IN THE HORIZONTAL PLANE.
5. FLEXIBLE CONNECTION REQUIRED BETWEEN EQUIPMENT AND COMPONENTS IF INSTALLATION OTHER THAN MOUNTED TO WALLS AND FLOORS.
6. IT IS THE BASIC INTENT OF THIS CODE BLOCK TO DECLARE WHETHER OR NOT ANCHORAGE AND SWAY BRACING IS BEING PROVIDED ON THE PROJECT. IF SO, TO DECLARE WHETHER OR NOT THE DETAILS ARE SHOWN ON THE PLANS OR WILL BE SHOWN ON A SUBSEQUENT SUBMISSION. IF SEISMIC RESTRAINT OF A COMPONENT IS NOT REQUIRED BY CODE THIS SHOULD BE STATED IN COMMENTS. IF SEISMIC RESTRAINT, WHICH IS NOT REQUIRED BY CODE, IS BEING PROVIDED DUE TO OWNER/DESIGNER REQUIREMENTS, THIS SHOULD ALSO BE STATED IN THE COMMENTS.
7. SHOP DRAWINGS NEED TO BE SUBMITTED TO THE COUNTY A MINIMUM OF TWO WEEKS PRIOR TO THE PLANNED INSTALLATION TO ALLOW FOR PLAN REVIEW AND DISTRIBUTION TO THE INSPECTOR. ADDITIONAL TIME MAY BE NEEDED IF SUCH SUBMISSIONS ARE DEFICIENT.

TECHNOLOGY COMMUNICATION SYSTEM COMPONENTS EARTHQUAKE LOAD RESISTANCE

OCCUPANCY CATEGORY: IV — SEISMIC DESIGN CATEGORY: D

LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS.			
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	ON CONST. DOCUMENTS		SUBSEQUENT SUBMITTAL	
					DWG. NO.	SPEC SECT.	SHOP DWGS	SEP. PERMIT
TECHNOLOGY COMMUNICATION EQUIPMENT & SYSTEM COMPONENTS								
DATA RACKS LESS THAN 400 LBS	X		X				X	
DATA RACKS MORE THAN 400 LBS		X	X					
PANELS FOR NON-LIFE SAFETY EQUIPMENT	X		X					
CABLE TRAY AND RACEWAYS FOR NON-LIFE SAFETY EQUIPMENT	X		X					
CABLE TRAY AND RACEWAYS FOR LIFE SAFETY EQUIPMENT		X		X				
FIRE PROTECTION, DETECTION & ALARM EQUIPMENT & SYSTEM COMPONENTS:								
FIRE ALARM CONTROL PANEL		X	X				X	X
FIRE ALARM WIRING		X		X				
LIFE SAFETY EMERGENCY SYSTEM DEVICES AND COMPONENTS - SUSPENDED		X		X				
LIFE SAFETY EMERGENCY SYSTEM DEVICES AND COMPONENTS - FLOOR OR WALL MOUNTED		X	X					

NOTES:

1. IT IS THE BASIC INTENT OF THIS CODE BLOCK TO DECLARE WHETHER OR NOT ANCHORAGE AND SWAY BRACING IS BEING PROVIDED ON THE PROJECT. IF SO, TO DECLARE WHETHER OR NOT THE DETAILS ARE SHOWN ON THE PLANS OR WILL BE SHOWN ON A SUBSEQUENT SUBMISSION. IF SEISMIC RESTRAINT OF A COMPONENT IS NOT REQUIRED BY CODE THIS SHOULD BE STATED IN COMMENTS. IF SEISMIC RESTRAINT, WHICH IS NOT REQUIRED BY CODE, IS BEING PROVIDED DUE TO OWNER/DESIGNER REQUIREMENTS, THIS SHOULD ALSO BE STATED IN THE COMMENTS.
2. SHOP DRAWINGS NEED TO BE SUBMITTED TO THE COUNTY A MINIMUM OF TWO WEEKS PRIOR TO THE PLANNED INSTALLATION TO ALLOW FOR PLAN REVIEW AND DISTRIBUTION TO THE INSPECTOR. ADDITIONAL TIME MAY BE NEEDED IF SUCH SUBMISSIONS ARE DEFICIENT.
3. IF EQUIPMENT IS ROOF, FLOOR OR WALL MOUNTED, SWAY BRACING IS NOT APPLICABLE. ANCHORAGE TO RESIST SEISMIC LOADS ONLY IS ADDRESSED HEREIN. ANCHORAGE MAY BE NEEDED TO RESIST WIND, GRAVITY, AND VIBRATION LOADS REGARDLESS OF SEISMIC REQUIREMENTS.
4. ROD HANGERS SHALL NOT BE CONSTRUCCTED IN A MANNER THAT SUBJECTS THE ROD AND ATTACHMENTS TO BENDING MOMENTS.

ELECTRICAL SHEET INDEX:

SHEET NO.	SHEET NAME
E0.0	ELECTRICAL & TECHNOLOGY SEISMIC CODE BLOCK
E0.1	LOW VOLTAGE DIVISION OF RESPONSIBILITY
E0.2	ELECTRICAL & TECHNOLOGY LEGEND
E0.3	ELECTRICAL & TECHNOLOGY NOTES
ED2.1A	DEMO PLAN - AREA A
E2.1A	AREA A - ELECTRICAL
E7.0	DETAILS - ELECTRICAL & TECHNOLOGY

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MICHAEL D. MITCHELL
MO License# PE-2010019577 Date: 11/12/2026
Certificate of Authority 2014033926

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ELECTRICAL & TECHNOLOGY SEISMIC CODE BLOCK

E0.0

11/3/2026 10:30:38 AM

Save

SCALE: 3" = 1'-0" 0 0.25' 0.5' 1'

SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2'

SCALE: 1" = 1'-0" 0 0.5' 1' 2'

SCALE: 3/4" = 1'-0" 0 1' 2' 3'

SCALE: 1/2" = 1'-0" 0 1' 2' 4'

SCALE: 1/4" = 1'-0" 0 2' 4' 8'

SCALE: 1/8" = 1'-0" 0 4' 8' 16'

SCALE: 1/16" = 1'-0" 0 8' 16' 32'

11/3/2026 10:30:38 AM

LOW VOLTAGE SYSTEMS - DIVISION OF RESPONSIBILITY SCHEDULE

	SYSTEM / RESPONSIBILITY	PARKWAY SCHOOLS (THE OWNER)	ELECTRICAL CONTRACTOR (SUBCONTRACTOR)	CERTIFIED SMARTBOARD/PROJECTOR INSTALLER (SUBCONTRACTOR)	PUBLIC ADDRESS SYSTEM SERVICE CONTRACTOR (SUBCONTRACTOR)	DATA/TELEPHONE SERVICE CONTRACTOR (SUBCONTRACTOR)	FIRE ALARM SYSTEM CONTRACTOR (SUBCONTRACTOR)	BUILDING AUTOMATION CONTROLS CONTRACTOR (SUBCONTRACTOR)	DOOR HARDWARE VENDOR / INSTALLER (SUBCONTRACTOR)
1	DATA AND/OR VOICE SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.		X						
2	DATA AND/OR VOICE SYSTEM - CONDUIT AND OUTLET BOX IN WALL: PROVIDE, INSTALL, AND RELOCATE.		X						
3	DATA AND/OR VOICE SYSTEM - JACKS, PLATES, AND WIRING SYSTEM: PROVIDE, INSTALL, AND RELOCATE.		X						
4	DATA AND/OR VOICE SYSTEM - PATCH CORD FROM PATCH PANEL TO NETWORK EQUIPMENT.	X							
5	DATA AND/OR VOICE SYSTEM - DUAL CHANNEL RACEWAY CONTAINING 120 VOLT POWER AND DATA AND/OR VOICE: PROVIDE, INSTALL, AND RELOCATE.		X						
6	SMART-BOARD/PROJECTOR - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION: NOTHING TO SALVAGE.		X						
7	SMART-BOARD/PROJECTOR - EQUIPMENT AND DEVICE REMOVAL: SAVE FOR RE-INSTALLATION.			X					
8	SMART-BOARD/PROJECTOR - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE, INSTALL, OR RELOCATE.			X					
9	120 VOLT POWER FOR SMART BOARD/PROJECTOR.		X						
10	PA (PUBLIC ADDRESS) SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.		X						
11	PA SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE, INSTALL OR RELOCATE.				X				
12	PA SYSTEM- TERMINATING FROM DEVICE TO PUNCH DOWN BLOCK.				X				
13	PA SYSTEM - WIRING FROM PUNCH DOWN BLOCK TO P/A CHASSIS (PANEL).				X				
14	PA SYSTEM - SYSTEM PROGRAMMING AND CHECKOUT				X				
15	FIRE ALARM - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.		X						
16	FIRE ALARM - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE WIRING; INSTALL, AND RELOCATE ALL.		X						
17	FIRE ALARM - EQUIPMENT AND DEVICES: INSTALL, AND RELOCATE.		X						
18	FIRE ALARM - SUPPLY EQUIPMENT AND DEVICES.						X		
19	FIRE ALARM - SYSTEM PROGRAMMING AND CHECKOUT.						X		
19	CCTV (CLOSED CIRCUIT TELEVISION) SECURITY SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.		X						
20	CCTV (CLOSED CIRCUIT TELEVISION) SECURITY SYSTEM - REMOVE EXIST CAMERA(S) STORE FOR REINSTALLATION.	X							
21	CCTV SECURITY SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE, INSTALL, AND RELOCATE.		X						
22	CCTV SECURITY SYSTEM - CAMERAS: PROVIDE NEW CAMERA(S) AND FINAL INSTALLATION AND REINSTALL EXIST CAMERA(S)	X							
23	120 VOLT POWER FOR CCTV CAMERAS OR CAMERA HEATERS.		X						
24	CATV (CABLE TELEVISION) SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.		X						
25	CATV SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE, INSTALL, AND RELOCATE.		X						
26	SECURITY SENSOR SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.	X							
27	SECURITY SENSOR SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE, INSTALL, AND RELOCATE.	X							
28	HVAC LOCAL CONTROL (IF NO BAS CONTROL IN PROJECT SCOPE) - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.		X						
29	HVAC LOCAL CONTROL (IF NO BAS CONTROL IN PROJECT SCOPE) - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE, INSTALL, AND RELOCATE.		X						
30	HVAC LOCAL CONTROL (IF BAS CONTROL IS IN PROJECT SCOPE) - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.							X	
31	HVAC LOCAL CONTROL (IF BAS CONTROL IS IN PROJECT SCOPE) - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE, INSTALL, AND RELOCATE.							X	
32	BAS (BUILDING AUTOMATION SYSTEM) SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM DEMOLITION.							X	
33	BAS SYSTEM - EQUIPMENT, DEVICE, AND WIRING SYSTEM: PROVIDE, INSTALL, AND RELOCATE.							X	
34	ACCESS CONTROL SYSTEM - REMOVE EXISTING DOOR HARDWARE AND DEVICE(S) STOR FOR REINSTALLATION		X						
35	ACCESS CONTROL SYSTEM - DEVICE(S) WIRING: PROVIDE, INSTALL, AND/OR REINSTALL		X						
36	ACCESS CONTROL SYSTEM - WIRING CATEGORY 6 HOME RUN: PROVIDE AND INSTALL TO NEAREAST MDF OR IDF		X						
37	ACCESS CONTROL SYSTEM - PROGRAMMING ACCESS CONTROL	X							
38	ACCESS CONTROL SYSTEM - PROVIDE FINAL CONNECTIONS AT PATCH PANEL	X							
39	ACCESS CONTROL SYSTEM - DOOR HARDWARE, DEVICES, CABLING FROM DOOR HARDWARE TO ACCESSIBLE CEILING OR SIMILAR								X

GENERAL NOTES:

A. THE TERM "WIRING SYSTEM" AS USED IN THIS SCHEDULE INCLUDES SUPPORTS, SLEEVES, CONDUITS, AND RACEWAYS ASSOCIATED WITH THE WIRING.
B. Certified Smart Board/Projector Installer: Schiller's A/V. Contact David Wyne at 314-968-1184 or email: dwyne@schillers.com.
C. Public Address (PA) System for all other buildings: Primary Systems. Contact Andy Ernstein or Randy Sites at 314-880-9977 or email: aernstein@primary-systems.com or rsites@primary-systems.com.
D. Fire Alarm System Contractor: ABF, Inc. Contact Mike Wagner 636-600-4705, or email: mikew@abfsecurity.com.
E. Parkway IT CCTV Security System - Julian Erber 314-415-8043, cell 314-343-7945 or email jerber@parkwayschools.net or Gerry Fosdick 314-415-8085 or email gfosdick@parkwayschools.net.
F. Building Automation Controls System (BAS): ACES. Contact Justin Vogt at 314-581-4476 or email: jmvogt@automaticcontrols.net.
G. Parkway Locksmith and Access Control Programming - Daniel Martinez 314-415-8274, cell 314-681-6161 or email dmartinez@parkwayschools.net.

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Email: Megan.Kienker@pinchin.com

Carman Trails Elementary School
555 S Weidman Rd, Ballwin, MO 63021
Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd.
Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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STATE OF MISSOURI
MICHAEL D MITCHELL
NUMBER
PE-2010019977
PROFESSIONAL ENGINEER

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DATE: 11/12/2026

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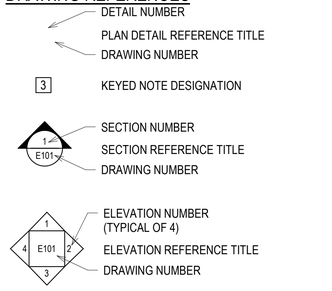
LOW VOLTAGE DIVISION OF RESPONSIBILITY

E0.1

ELECTRICAL AND TECHNOLOGY LEGEND AND ABBREVIATIONS (SEE SPECIFICATIONS & SCHEDULES)

NOTES:
1. NOT ALL SYMBOLS AND ABBREVIATIONS ARE USED ON THESE PLANS.
2. ALL MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICES AND EQUIPMENT UNLESS NOTED OTHERWISE.
3. IN GENERAL, SYMBOLS SHOWN WITH LIGHT LINES DENOTE EXISTING WORK. SYMBOLS SHOWN WITH HEAVY LINES DENOTE PROPOSED WORK.

DRAWING REFERENCES



JUNCTION AND PULL BOXES

- J — JUNCTION BOX (4"x4"x1/2" MINIMUM)
- P — PULL BOX

WIRING DEVICES, RECEPTACLES - MISC.

TYPICAL MOUNTING HEIGHT - 18" AFF

- SINGLE RECEPTACLE OUTLET
- DUPLEX RECEPTACLE OUTLET
- DUPLEX RECEPTACLE OUTLET - GROUND FAULT TYPE
- USB — COMBINATION DUPLEX RECEPTACLE AND USB OUTLET
- IG — DUPLEX RECEPTACLE OUTLET WITH ISOLATED GROUND
- DOUBLE DUPLEX RECEPTACLE OUTLET
- DOUBLE DUPLEX RECEPTACLE OUTLET - GROUND FAULT TYPE
- OC — DUPLEX RECEPTACLE OUTLET MOUNTED +8" ABOVE COUNTER
- OC — DUPLEX RECEPTACLE OUTLET MOUNTED +8" ABOVE COUNTER - GROUND FAULT TYPE
- FLOOR BOX - SYMBOL DESIGNATES TYPE OF SERVICE
- SPECIAL PURPOSE OUTLET AS NOTED

SECURITY SYMBOLS

- S CR — CARD READER: DEVICE SHALL BE MOUNTED AT APPROXIMATELY 48" A.F.F. TO CENTER OF DEVICE.
- S ICM — INTERCOM MASTER STATION WITH REMOTE DOOR RELEASE
- S IC — AUDIO/VIDEO INTERCOM STATION
- VIDEO SURVEILLANCE CAMERA
- EXISTING OR DEMOLITION VIDEO SURVEILLANCE CAMERA
- NEW VIDEO SURVEILLANCE CAMERA

COMMUNICATION SYMBOLS

▽ ▼ ▽ ▼ — COMMUNICATION OUTLET. REFER TO SPECIFICATIONS AND COMMUNICATION DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS. REFER TO COMMUNICATION OUTLET IDENTIFIERS AND CABLING IDENTIFICATION LISTED BELOW.

- ▽ — EXISTING OR DEMOLITION COMMUNICATION OUTLET
- ▼ — NEW COMMUNICATION OUTLET
- ▽ — EXISTING OR DEMOLITION WIRELESS ACCESS POINT OUTLET
- ▼ — NEW WIRELESS ACCESS POINT OUTLET

▼X — COMMUNICATION OUTLET IDENTIFIER. REFER TO COMMUNICATION OUTLET DESIGNATION DETAIL FOR MOUNTING HEIGHTS. "X" DENOTES ONE OF THE FOLLOWING:

- A = MOUNTED AT CEILING
- C = MOUNTED AT COUNTER ABOVE BACKSPLASH ELEMENT
- F = MOUNTED IN FLOOR BOX OR POKE THROUGH DEVICE
- R = MOUNTED IN SURFACE MOUNT RACEWAY
- W = WALL MOUNT PHONE LOCATION
- WAP = WIRELESS ACCESS POINT MOUNTED AT OR ABOVE CEILING

▼# X — COMMUNICATION CABLING IDENTIFICATION. REFER TO CABLING DESIGNATION SCHEME DETAIL.

- "#" = DENOTES TOTAL NUMBER OF CABLES
- "X" = DENOTES ONE OF THE FOLLOWING:
  - C = COAXIAL CABLE
  - D = DATA COMMUNICATION CABLE
  - F = FIBER OPTIC CABLE
  - V = VOICE COMMUNICATION CABLE
  - AV = AUDIO/VIDEO CABLE

ABBREVIATIONS

A.C.S.	-	ACCESS CONTROL SYSTEM
A.F.F.	-	ABOVE FINISHED FLOOR
ATS	-	AUTOMATIC TRANSFER SWITCH
B.C.	-	BELOW CEILING
C	-	CONDUIT
CAM	-	CAMERA
CB	-	CIRCUIT BREAKER
CC	-	CONTROL CONTACTOR
CCTV	-	CLOSED CIRCUIT TELEVISION
CCW	-	COUNTER CLOCKWISE
CW	-	CLOCKWISE
DCU	-	DISTRIBUTED CONTROLLER UNIT
DN	-	DOWN
DP	-	DISTRIBUTION PANEL
DT	-	DUSTTIGHT
DWG	-	DRAWING
E.C.	-	ELECTRICAL CONTRACTOR
ELEC	-	ELECTRIC OR ELECTRICAL
EMT	-	ELECTRICAL METALLIC TUBING
ER	-	EXISTING RELOCATED
ETR	-	EXISTING TO REMAIN
EWC	-	ELECTRIC WATER COOLER
FA	-	FIRE ALARM
FM	-	F/O MODEM
F/O	-	FIBER OPTIC
FS	-	FUSIBLE SWITCH
G.C.	-	GENERAL CONTRACTOR
GF	-	GROUND FAULT
GFCI	-	GROUND FAULT CIRCUIT INTERRUPTER
GRD	-	GROUND
GRS	-	GALVANIZED RIGID STEEL
HH	-	HANDHOLE
ILSM	-	INTERIM LIFE SAFETY MEASURES
IMC	-	INTERMEDIATE METAL CONDUIT
I/O	-	INPUT/OUTPUT
LAN	-	LOCAL AREA NETWORK
LP	-	LIGHTING PANEL
MATV	-	MASTER ANTENNA TELEVISION
MC	-	METAL CLAD
MCC	-	MOTOR CONTROL CENTER
MCP	-	MOTOR CONTROL PANEL
MH	-	MANHOLE
MT	-	EMPTY CONDUIT
NC	-	NURSE CALL
NL	-	NIGHT LIGHT
PA	-	PUBLIC ADDRESS
PI	-	PORTABLE INTERFACE
P.I.R.	-	PASSIVE INFRA RED
PP	-	POWER PANEL
PR.	-	PAIR
PVC	-	POLYVINYL CHLORIDE CONDUIT
R	-	RECESSED
RF	-	RADIO FREQUENCY
RGS	-	RIGID GALVANISED STEEL
RT	-	RAINTIGHT
SHLD	-	SHIELDED (AS IN CABLE)
SWBD	-	SWITCHBOARD
T	-	TELEPHONE
TYP.	-	TYPICAL
UNG	-	UNGROUNDED
UPS	-	UNINTERUPTIBLE POWER SUPPLY
U.O.N.	-	UNLESS OTHERWISE NOTED
VFD	-	VARIABLE FREQUENCY DRIVE
VT	-	VAPORTIGHT
WT	-	WATERTIGHT
XP	-	EXPLOSION PROOF
WP	-	WEATHER-PROOF

SCALE: 3" = 1'-0" 0 0.25' 0.5' 1'
SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2'
SCALE: 1" = 1'-0" 0 0.5' 1' 2'
SCALE: 3/4" = 1'-0" 0 1' 2' 3'
SCALE: 1/2" = 1'-0" 0 1' 2' 4'
SCALE: 1/4" = 1'-0" 0 2' 4' 8'
SCALE: 1/8" = 1'-0" 0 4' 8' 16'
SCALE: 1/16" = 1'-0" 0 8' 16' 32'

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ELECTRICAL & TECHNOLOGY LEGEND

E0.2

GENERAL DEMOLITION NOTES

A. THE ELECTRICAL CONTRACTOR SHALL REMOVE, CAP AND/OR RELOCATE EQUIPMENT, OUTLETS, CONDUIT, WIRE, ETC., [AS SHOWN AND SPECIFIED ON THE DRAWINGS] [WHETHER INDICATED ON THE DRAWINGS OR NOT], AND AS MAY BECOME NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VISIBLY EXAMINE ALL EXISTING WALLS DESIGNATED FOR REMOVAL OR MODIFICATION TO DETERMINE THE CONDUIT AND THE WIRING THAT WILL REQUIRE CAPPING AND/OR REMOVAL. THE CONTRACTOR SHALL BE HELD TO HAVING VISITED THE SITE AND TAKEN ALL EXISTING CONDITIONS INTO CONSIDERATION.

B. PROTECT ADJACENT MATERIALS INDICATED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER DEMOLITION OPERATIONS ARE COMPLETE.

C. LOCATE, IDENTIFY, AND PROTECT ELECTRICAL SERVICES PASSING THROUGH DEMOLITION AREA AND SERVING OTHER AREAS OUTSIDE THE DEMOLITION LIMITS. MAINTAIN SERVICES TO AREAS OUTSIDE DEMOLITION LIMITS. WHEN SERVICES MUST BE INTERRUPTED, INSTALL TEMPORARY SERVICES FOR AFFECTED AREAS.

D. MAINTAIN AND PROTECT EXISTING BUILDING SERVICES WHICH TRANSIT THE AREA AFFECTED BY SELECTIVE DEMOLITION.

E. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING FIXTURES, EQUIPMENT, OUTLETS, ETC., TO REMAIN IN USE WHETHER NOTED ON THE PLANS OR NOT. FIELD VERIFY EXISTING ITEMS TO REMAIN IN USE. WIRING FOR EXISTING CIRCUITS WHICH MUST BE RE-ROUTED OR WHICH ARE PARTIALLY ABANDONED, SHALL BE RECONNECTED TO SERVICE THE REMAINING OUTLETS ON THE CIRCUIT.

F. IN THE DEMOLITION WORK, REMOVE ALL UNUSED WIRING AND CABLES AND UNUSED CONDUIT THAT IS EXPOSED OR WITHIN ACCESSIBLE CEILINGS WHICH IS AFFECTED BY AND IS IN THE AREA OF THE WORK OF THIS CONTRACT.

G. THE INTENTION OF THE ELECTRICAL DEMOLITION IS TO DISCONNECT AND REMOVE ALL ELECTRICAL WORK MADE VOID BY THE SCOPE OF THE CONSTRUCTION AND ALTERATION. FIELD VERIFY EXACT MATERIAL QUANTITIES REQUIRED TO BE REMOVED.

H. WHERE ELECTRICAL EQUIPMENT, CONDUIT, BOXES, AND SUPPORTING HARDWARE ARE REMOVED, PATCH, AND FINISH THE SURFACE AS REQUIRED TO MATCH THE EXISTING, UNLESS OTHERWISE NOTED.

I. WHERE BURIED CONDUITS EXTENDING OUT OF A CONCRETE SLAB BECOME ABANDONED, CUT AND GRIND THE CONDUITS OFF FLUSH WITH TOP OF SLAB AND PLUG WITH NON-SHRINK WATERPROOF GROUT FILL.

J. ALL REMOVED MATERIALS, OTHER THAN REMOVED MATERIALS TO BE RELOCATED, OR STORED, OR TURNED OVER TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE.

K. ACCEPTANCE OF CONTRACT MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.

L. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.

M. IN WALLS OR FLOORS WHERE A FLUSH DEVICE IS BEING REMOVED, BUT THE WALL OR FLOOR REMAINS OR FOR ANY OUTLET WHICH MUST REMAIN, BUT HAS A DEVICE REMOVED, PROVIDE A BLANK COVER OVER THE OUTLET. MATCH THE COLOR AND MATERIAL OF EXISTING REMAINING COVERS IN THE ROOM OR SPACE.

N. LEGALLY DISPOSE OF HAZARDOUS MATERIALS AND BALLASTS OR OTHER EQUIPMENT CONTAINING PCB'S AND LAMPS CONTAINING MERCURY. COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS.

O. MODIFY EXISTING PANEL DIRECTORIES (OR REPLACE) FOR PANELS WHICH HAVE HAD ALTERATIONS TO THE CIRCUITS ORIGINATING THEREIN. DESCRIBE THE LOAD AND LOCATION.

P. WHERE WORK IS TO BE PERFORMED ABOVE EXISTING ACCESSIBLE CEILINGS, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING CEILING TILES AND GRID WITHOUT DAMAGE; STORAGE OF EXISTING TILES AND GRID WHILE WORK IS BEING PERFORMED, AND INSTALLATION OF EXISTING GRID AND TILES AFTER DIVISION 26 WORK IS COMPLETED.

Q. ALL EXISTING ELECTRICAL WORK AND ASSOCIATED RACEWAY AND WIRING WHICH HAS BEEN MADE OBSOLETE BY THE WORK AND/OR IS SHOWN DASHED ON THE ELECTRICAL DEMOLITION DRAWINGS, SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. ALTHOUGH AN ATTEMPT HAS BEEN MADE TO INDICATE ALL OF THIS WORK, TOTAL ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VISIBLY EXAMINE ALL AREAS AND WALLS AND CEILINGS SCHEDULED FOR REMOVAL TO DETERMINE EXISTING ELECTRICAL ITEMS TO REMAIN.

GENERAL NOTES - ELECTRICAL

A. THE ELECTRICAL DRAWINGS HAVE BEEN PREPARED UTILIZING EXISTING DRAWINGS AND BUILDING OBSERVATIONS AND MAY NOT SHOW ALL CONDITIONS. CONTRACTOR SHALL VISIT THE BUILDING PRIOR TO BID SUBMISSION AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. CONTRACTOR WILL NOT BE ALLOWED ADDITIONAL FUNDS OR TIME DUE TO THE CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS.

B. ACCEPTANCE OF CONTRACT MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.

C. COORDINATE INSTALLATION WITH EXISTING CONDITIONS. FIELD VERIFY EXISTING CONDITIONS.

D. CONTRACTOR SHALL SCHEDULE ALL ELECTRICAL SYSTEM POWER OUTAGES WITH THE OWNER'S REPRESENTATIVE AT LEAST 14 CALENDAR DAYS IN ADVANCE OF A SHUTDOWN.

E. ALL PENETRATIONS THROUGH CONCRETE OR MASONRY WALLS AND FLOOR SLABS SHALL BE CORE DRILLED. AFTER CONDUITS HAVE BEEN INSTALLED, SEAL WALL AROUND CONDUIT TO MAINTAIN 2-HOUR FIRE RATING USING UL LISTED METHODS AND MATERIALS. EXTERIOR WALLS SHALL BE SEALED WATERTIGHT.

F. CONTRACTOR SHALL UPDATE EXISTING PANELBOARD CIRCUIT DIRECTORIES TO REFLECT ALL CHANGES MADE TO EXISTING PANELBOARDS DURING THIS PROJECT.

G. WHEN INSTALLING CIRCUIT BREAKERS IN EXISTING PANELBOARDS, MATCH EXISTING CIRCUIT BREAKER TYPES AND INTERRUPTING RATINGS.

H. CONTRACTOR SHALL REFER TO "ARCHITECTURAL REFLECTED CEILING PLANS" FOR PLACEMENT OF ALL LIGHTING FIXTURES, CEILING SPEAKERS, AND SMOKE DETECTORS. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES THAT AFFECT THE PLACEMENT OF CEILING MOUNTED EQUIPMENT.

I. PROVIDE ELECTRICAL METALLIC TUBING (EMT) SLEEVES WITH INSULATED BUSHINGS ON EACH END FOR ALL TELEPHONE, DATA, FIRE ALARM, AND PUBLIC ADDRESS SYSTEM CABLES PASSING THROUGH WALLS AND FLOORS. SEAL AROUND CABLES TO MAINTAIN FIRE RATING OF WALL OR FLOOR.

J. CONTRACTOR SHALL PROVIDE BARRIERS IN BOXES, INCLUDING SWITCHBOXES, TO PROVIDE SEPARATION OF LIFE SAFETY AND CRITICAL BRANCH CIRCUIT WIRING FROM ALL OTHER WIRING AND EQUIPMENT.

K. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXISTING DIVISION 26 RELATED ITEMS TO REMAIN IN PLACE WITH THE INSTALLATION OF GENERAL CONSTRUCTION WORK, DUCTWORK, PIPING, ETC. ALL ATTEMPTS SHALL BE MADE PRIOR TO THE START OF CONSTRUCTION TO AVOID THE REMOVAL AND RELOCATION OF EXISTING DIVISION 26 RELATED ITEMS WHICH ARE NOT AFFECTED BY WORK OF THIS CONTRACT.

L. CONTRACTOR SHALL PROVIDE A SET OF HAND MARKED RECORD DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE PROJECT INDICATING ACTUAL INSTALLED CONDITIONS. THE HAND MARKING SHALL BE CLEARLY LEGIBLE AND SHALL BE MARKED IN RED. MARKS SHALL INCLUDE ITEMS SUCH AS CIRCUITING CHANGES, DEVICE AND EQUIPMENT LOCATION CHANGES, MAJOR FEEDER AND CABLING ROUTING CHANGES, ETC.

M. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL DEVICE LOCATIONS (RECEPTACLES, VOICE/DATA OUTLETS, SWITCHES, ETC.) WITH ARCHITECTURAL ELEVATIONS AND FURNITURE SUBMITTALS PRIOR TO ROUGH-IN TO ENSURE THAT DEVICES ARE NOT LOCATED BEHIND CABINETS OR FURNITURE. FAILURE TO COORDINATE SHALL NOT RESULT IN ADDITIONAL COST TO THE PROJECT, AND THE DEVICE(S) SHALL BE RELOCATED AT THE CONTRACTORS EXPENSE.

N. ALL RECESSED AND SURFACE MOUNTED LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE BUILDING STRUCTURE WITH TWO (2) #12 GAUGE SUPPORT WIRES PER FIXTURE. THE WIRE AND ATTACHMENTS SHALL BE CAPABLE OF SUPPORTING THE FULL WEIGHT OF THE FIXTURE. PROVIDE ALL NECESSARY COMPONENTS AND MOUNTING HARDWARE FOR A COMPLETE INSTALLATION.

O. WHERE CIRCUIT NUMBERS ONLY ARE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL PROVIDE CONDUIT AND CONDUCTORS AND SHALL MAKE FINAL CONNECTIONS FOR A COMPLETE INSTALLATION.

P. PROVIDE A MINIMUM OF 6 INCHES OF HORIZONTAL OFFSET BETWEEN RECEPTACLES ON OPPOSITE SIDES OF THE SAME WALL TO MINIMIZE SOUND TRANSMISSION THROUGH WALLS. DO NOT INSTALL RECEPTACLES ON OPPOSITE SIDES OF THE SAME WALL "BACK-TO-BACK".

Q. PROVIDE #10 CONDUCTORS FOR ALL 120V, 20A CIRCUITS EXCEEDING 75'-0" IN LENGTH. PROVIDE #8 CONDUCTORS FOR ALL 120V, 20A CIRCUITS EXCEEDING 150'-0" IN LENGTH.

R. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE.

S. PROVIDE FIRE CAULKING AT ALL RECESSED ELECTRICAL DEVICES INSTALLED IN FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED ASSEMBLIES.

T. PROVIDE A SEPARATE INSULATED NEUTRAL CONDUCTOR FOR EACH UNGROUNDED CONDUCTOR IN A MULTI-WIRE BRANCH CIRCUIT SERVING LINE-TO-NEUTRAL LOADS PER NEC ARTICLE 210.4(B). DO NOT USE HANDLE TIES TO SATISFY THIS REQUIREMENT.

GENERAL NOTES - COMMUNICATION

A. ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT.

B. THE DRAWINGS HAVE BEEN PREPARED UTILIZING EXISTING DRAWINGS AND BUILDING OBSERVATIONS AND MAY NOT SHOW ALL CONDITIONS. CONTRACTOR SHALL VISIT THE BUILDING AND SITE PRIOR TO BID SUBMISSION AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. CONTRACTORS SHALL NOT BE ALLOWED ADDITIONAL FUNDS OR TIME DUE TO FAILURE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS.

C. ACCEPTANCE OF CONTRACT MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.

D. COORDINATE INSTALLATION WITH EXISTING CONDITIONS. FIELD VERIFY EXISTING CONDITIONS.

E. CONTRACTOR SHALL SCHEDULE ALL OUTAGES WITH THE OWNER'S REPRESENTATIVE AT LEAST 14 CALENDAR DAYS IN ADVANCE OF A SHUTDOWN.

F. ALL PENETRATIONS THROUGH CONCRETE OR MASONRY WALLS AND FLOOR SLABS SHALL BE CORE DRILLED. AFTER CONDUITS HAVE BEEN INSTALLED, SEAL WALL AROUND CONDUIT TO MAINTAIN FIRE RATING OF FLOOR OR WALL USING UL LISTED METHODS AND MATERIALS. EXTERIOR WALLS SHALL BE SEALED WATER TIGHT.

G. PROVIDE EMT SLEEVES WITH INSULATED BUSHINGS ON EACH END FOR ALL CABLES PASSING THROUGH WALLS AND FLOORS. ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE FIRE STOPPED. SEAL AROUND OUTSIDE OF CONDUITS AND SEAL INSIDE OF CONDUIT SLEEVES OR UTILIZE AN APPROVED FIRE RATED ASSEMBLY.

H. CABLING TO BE LOCATED INSIDE BUILDINGS SHALL BE CONCEALED WHERE POSSIBLE AND SHALL BE INSTALLED AS FOLLOWS: CABLES CONCEALED INSIDE HOLLOW WALL CONSTRUCTION SHALL BE INSTALLED IN CONDUITS STUBBED INTO ACCESSIBLE PORTION OF CEILING CAVITY AND SHALL BE SUPPORTED UTILIZING J-HOOK PATHWAYS. CABLES LOCATED IN ROOMS WITH AN EXPOSED CEILING STRUCTURE SHALL BE INSTALLED IN CONDUIT. CABLES INSTALLED ABOVE DRYWALL CEILINGS SHALL BE INSTALLED IN CONDUIT. CABLES INSTALLED IN SOLID MASONRY WALLS SHALL BE INSTALLED IN SURFACE RACEWAY. ROUTE CONDUIT AND CABLES TO SUIT FIELD CONDITIONS. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

I. CONTRACTOR SHALL COORDINATE ALL CONDUIT AND CABLE ROUTING WITH EXISTING CONDITIONS PRIOR TO INSTALLATION.

J. CONTRACTOR SHALL TERMINATE AND TEST ALL COMMUNICATION SYSTEM CABLES PER SPECIFICATIONS AND LATEST TIA/EIA STANDARDS.

K. COMMUNICATION CABLING SHALL NOT EXCEED 90 METERS (295 FEET) PER TIA/EIA STANDARDS.

L. CONTRACTOR SHALL LABEL ALL CABLES AND CONNECTORS (OUTLETS, PATCH PANELS, FACEPLATES, PUNCH DOWN BLOCKS, ETC.) PER SPECIFICATIONS AND OWNER STANDARDS. ALL CABLES SHALL BE PERMANENTLY LABELED WITH A PRE-PRINTED, STICK ON, SELF ADHERING LABELING SYSTEM. REFER TO SPECIFICATIONS.

M. PROVIDE WORK SPECIFIED BUT NOT SHOWN ON DRAWINGS AND PROVIDE WORK SHOWN ON DRAWINGS BUT NOT SPECIFIED AS THOUGH EXPRESSLY REQUIRED BY BOTH.

N. CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR PLACEMENT OF CEILING MOUNTED EQUIPMENT. COORDINATE WITH ALL OTHER TRADES.

O. CONTRACTOR SHALL PROVIDE PULL STRINGS IN ALL EMPTY OR SPARE CONDUIT.

P. COMMUNICATION EQUIPMENT, COMPONENTS AND CABLING SHALL BE FREE FROM PAINT AND PAINT OVERSPRAY.

Q. COMMUNICATION EQUIPMENT, COMPONENTS AND CABLING SHALL BE FREE FROM CONSTRUCTION DIRT AND DEBRIS.

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ELECTRICAL & TECHNOLOGY NOTES

E0.3

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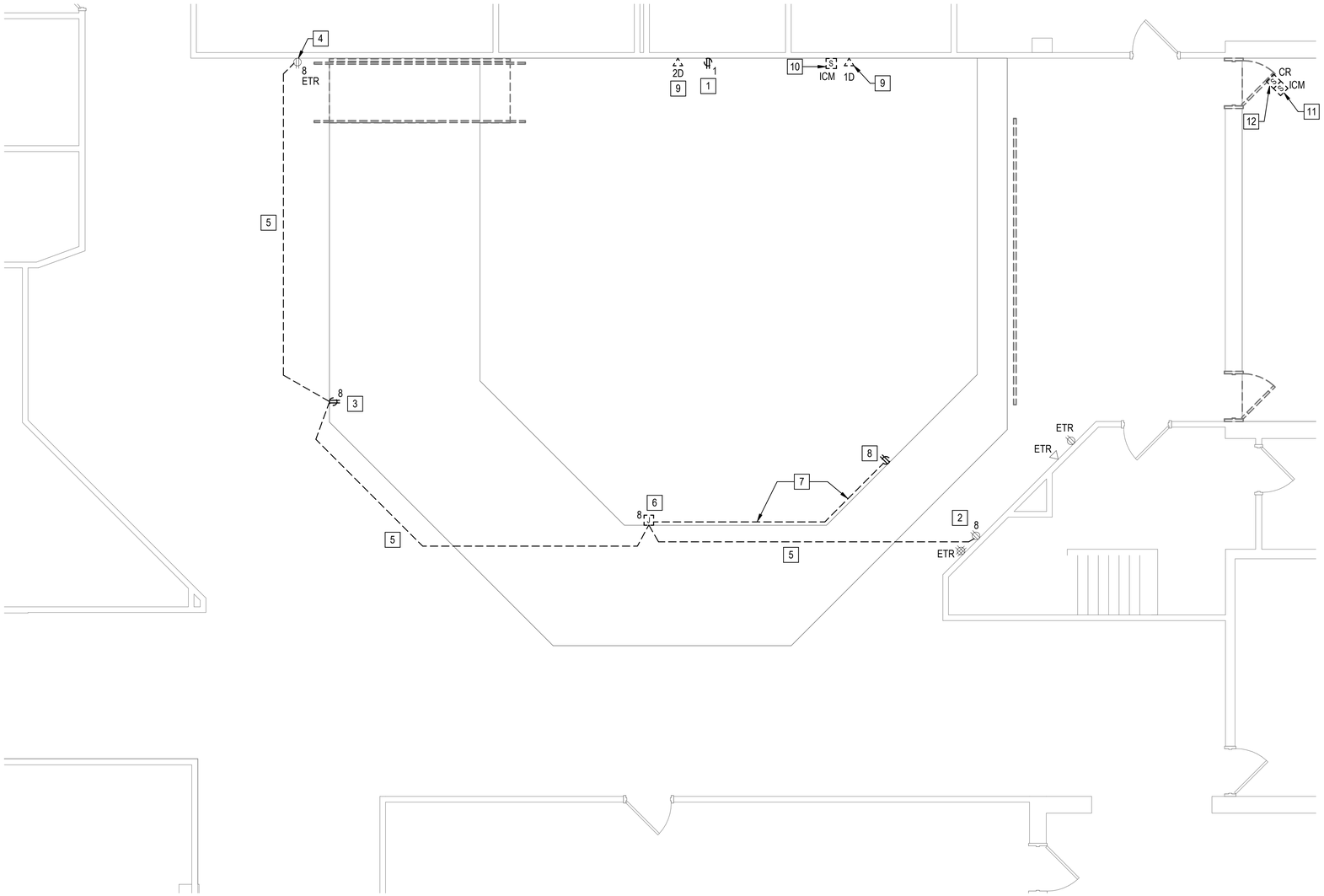
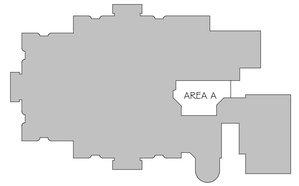


CAFETERIA INFILL DEMOLITION PLAN
ED2.1A 1/4" = 1'-0"



KEY PLAN
NOT TO SCALE

GENERAL NOTES

A. INFORMATION ON DRAWINGS WAS OBTAINED FROM AS-BUILT DRAWINGS AND CASUAL FIELD OBSERVATION. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BID.

B. CONTRACTOR SHALL REPAIR AND/OR REROUTE EXISTING CIRCUITS THAT REMAIN AND ARE DISRUPTED BY DEMOLITION.

C. CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR EXECUTION OF DEMOLITION WORK.

KEYED NOTES

1. DEMO EXISTING WIRING DEVICE AND OUTLET BOX. MAINTAIN CIRCUIT FOR REUSE. SEE SHEET E2.1A FOR NEW WORK.
2. REMOVE EXISTING WIRING DEVICE. MAINTAIN OUTLET BOX AND CIRCUITS FROM PANELBOARD PTL-001 FOR REUSE. SEE SHEET E2.1A FOR NEW WORK.
3. DEMOLISH EXISTING WIRING DEVICE AND OUTLET BOX IN FACE OF STEP.
4. REMOVE EXISTING RECEPTACLE. MAINTAIN OUTLET BOX AND DOWNSTREAM CIRCUIT CONDUCTORS FOR REUSE. SEE SHEET E2.1A FOR NEW WORK.
5. DEMOLISH EXISTING CIRCUIT CONDUCTORS (2 CIRCUITS) AND ABANDON CONDUIT BELOW CONCRETE SLAB.
6. DEMOLISH EXISTING SURFACE RACEWAY BOX AND OUTLET BOX IN FACE OF STEP.
7. DEMOLISH EXISTING SURFACE RACEWAY ON FACE OF STEP AND CIRCUIT CONDUCTORS.
8. DEMOLISH EXISTING WIRING DEVICE AND SURFACE RACEWAY BOX ON FACE OF STEP.
9. REMOVE EXISTING COMMUNICATIONS FACE PLATE. REMOVE EXISTING COMMUNICATIONS CABLING FROM PATHWAY. CABLE(S) SHALL BE REMOVED FROM EXISTING PATHWAY AND SHALL BE PROTECTED, COILED AND MANAGED AT CEILING FOR RE-USE. SEE SHEET E2.1A FOR NEW WORK.
10. DISCONNECT EXISTING VIDEO INTERCOM MASTER STATION, LABEL WITH ROOM NUMBER AND RETURN TO OWNER FOR TEMPORARY STORAGE. CABLE SHALL BE REMOVED FROM EXISTING PATHWAY AND SHALL BE PROTECTED, COILED AND MANAGED AT CEILING FOR RE-USE. SEE SHEET E2.1A FOR NEW WORK.
11. DISCONNECT AND REMOVE EXISTING VIDEO INTERCOM STATION FROM DOOR. EXISTING CABLING SHALL BE REMOVED FROM EXISTING PATHWAY AND SHALL BE PROTECTED, COILED AND MANAGED AT CEILING FOR RE-USE. SEE SHEET E2.1A FOR NEW WORK.
12. DISCONNECT AND REMOVE EXISTING CARD READER (AS PART OF HANDSET). CABLE(S) SHALL BE REMOVED FROM EXISTING PATHWAY AND REMOVED.

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Carman Trails Elementary School
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Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

Parkway School District
363 N. Woods Mill Rd.
Chesterfield, MO 63017
314.415.8231 tel

Project No: 26015

Revisions

Description	Date

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DATE: 11/12/2026

BID/PERMIT SET

DEMO PLAN - AREA A

ED2.1A

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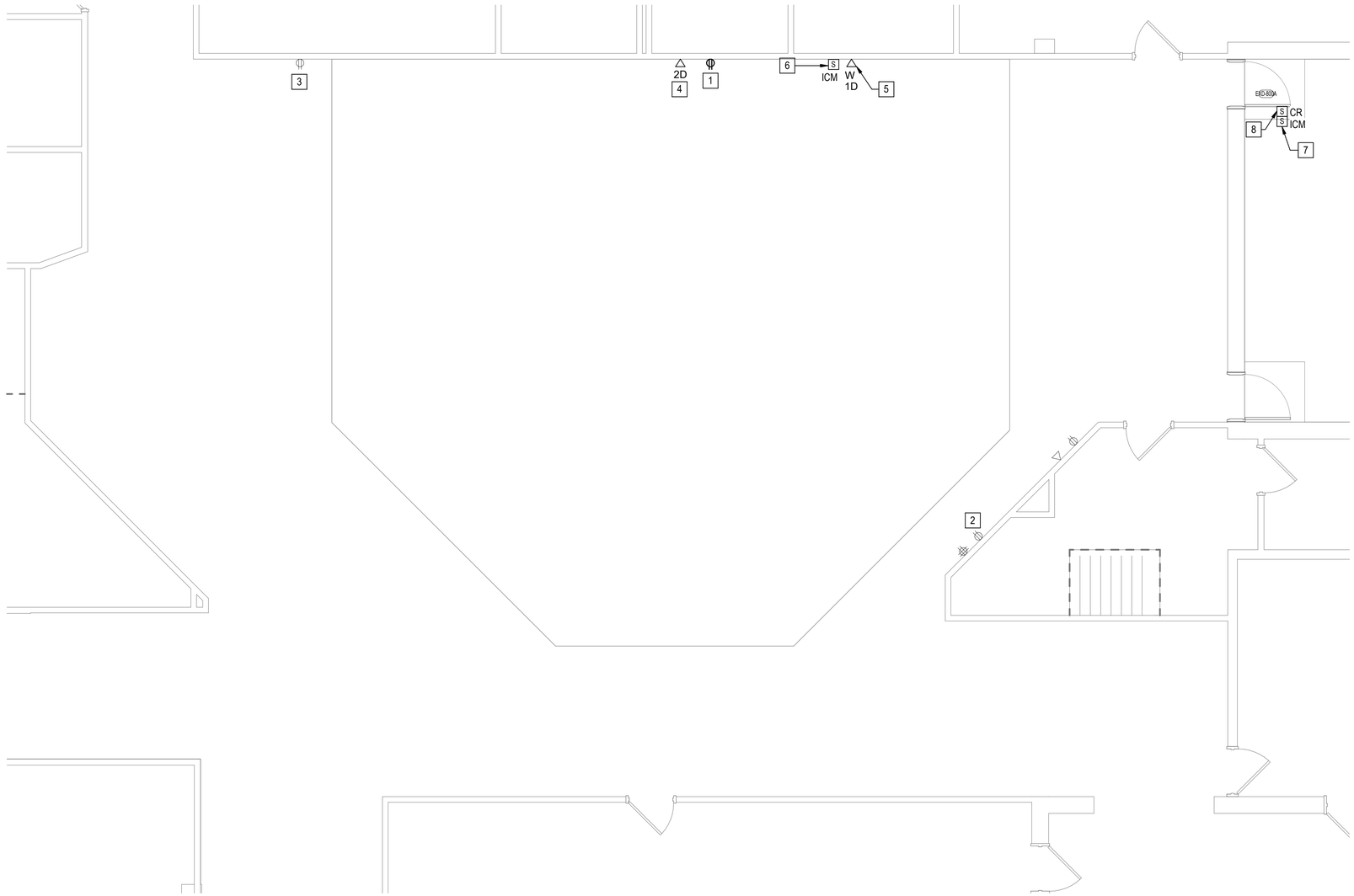
SCALE: 3" = 1'-0" 0 0.25' 0.5' 1'
SCALE: 1 1/2" = 1'-0" 0 0.5' 1' 2'
SCALE: 1" = 1'-0" 0 0.5' 1' 2'
SCALE: 3/4" = 1'-0" 0 1' 2' 3'
SCALE: 1/2" = 1'-0" 0 1' 2' 4'
SCALE: 1/4" = 1'-0" 0 2' 4' 8'
SCALE: 1/8" = 1'-0" 0 4' 8' 16'
SCALE: 1/16" = 1'-0" 0 8' 16' 32'



N

1 / E2.1A CAFETERIA INFILL ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL NOTES

A. VERIFY CABLE PATHWAY (CABLE TRAY, CONDUIT OR J-HOOKS) WITHIN BUILDING AND ADJUST ELEVATIONS AND ROUTING TO FACILITATE INSTALLATION. COORDINATE WITH ALL OTHER BUILDING TRADES. UTILIZE EXISTING PATHWAYS WHERE APPLICABLE. WHERE PATHWAYS DO NOT EXIST, PROVIDE NEW.

B. VERIFY MOUNTING HEIGHT OF COMMUNICATION DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. WHERE CONFLICTS EXIST, CONTRACTOR SHALL NOTIFY ENGINEER AND ARCHITECT FOR RESOLUTION.

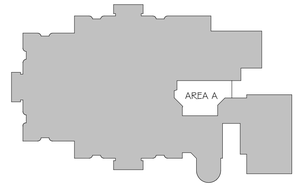
C. DEVICES SHOWN LIGHT ARE EXISTING. DEVICES SHOWN DARKER/BOLD ARE TO BE PROVIDED UNDER THIS CONTRACT UNLESS NOTED OTHERWISE.

D. ALL COMMUNICATION CABLES SHALL TERMINATE IN COMMUNICATION ROOM LOCATED ON THIS FLOOR, UNLESS NOTED OTHERWISE.

E. PROVIDE ALL CUTTING AND PATCHING AS REQUIRED TO COMPLETE THE WORK.

KEYED NOTES

1. RAISE EXISTING OUTLET LOCATION TO 18" AFF RELATIVE TO INFILLED FLOOR SLAB. PROVIDE NEW OUTLET BOX, WIRING DEVICE, AND WALL PLATE. CONNECT TO EXISTING CIRCUIT.
2. EXTEND 4#12 AND 1#12 GRD IN 3/4" C. FROM EXISTING OUTLET BOX TO EXISTING RECEPTACLE (SEE KEYED NOTE 3, THIS SHEET). RECONNECT EXISTING CIRCUITS DISRUPTED BY DEMOLITION. PROVIDE NEW WIRING DEVICE AND WALL PLATE.
3. PROVIDE NEW WIRING DEVICE AND WALL PLATE. CONNECT TO NEW CIRCUIT CONDUCTORS FROM EXISTING OUTLET (SEE KEYED NOTE 2, THIS SHEET).
4. PROVIDE NEW COMMUNICATION OUTLET AT EXISTING LOCATION. BOX SHALL BE LOCATED AT EXISTING COMMUNICATIONS OUTLET AND SHALL BE INSTALLED AT 18" AFF RELATIVE TO IN-FILLED FLOOR SLAB. REINSTALL COMMUNICATIONS CABLING IN NEW FACEPLATE AND RETEST CABLE FOR CONTINUITY. NEW FACEPLATE SHALL BE LABELED PER OWNER STANDARDS.
5. PROVIDE NEW COMMUNICATION OUTLET AT EXISTING LOCATION. BOX SHALL BE LOCATED AT EXISTING COMMUNICATIONS OUTLET AND SHALL BE INSTALLED AT 48" AFF RELATIVE TO IN-FILLED FLOOR SLAB. REINSTALL COMMUNICATIONS CABLING IN NEW FACEPLATE AND RETEST CABLE FOR CONTINUITY. NEW FACEPLATE SHALL BE LABELED PER OWNER STANDARDS.
6. EXISTING MASTER VIDEO INTERCOM STATION SHALL BE REINSTALLED AT 48" AFF RELATIVE TO IN-FILLED FLOOR SLAB. UTILIZE EXISTING CABLING FOR REINSTALLATION.
7. EXISTING VIDEO INTERCOM STATION SHALL BE REINSTALLED ON DOOR UTILIZING EXISTING CABLE INFRASTRUCTURE. COORDINATE WITH EXISTING CONDITIONS AND DOOR HARDWARE.
8. PROVIDE CATEGORY CABLING FROM NEAREST IDF TO DOOR FOR NEW CARD READER. COORDINATE WITH EXISTING CONDITIONS AND DOOR HARDWARE. REFER TO DETAIL 1/E7.0 FOR ADDITIONAL REQUIREMENTS.



KEY PLAN
NOT TO SCALE

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Parkway Project # PN212501B
BUILDING RENOVATION & SITE IMPROVEMENTS

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Project No: 26015

Revisions

Description	Date

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BID/PERMIT SET

AREA A - ELECTRICAL

E2.1A

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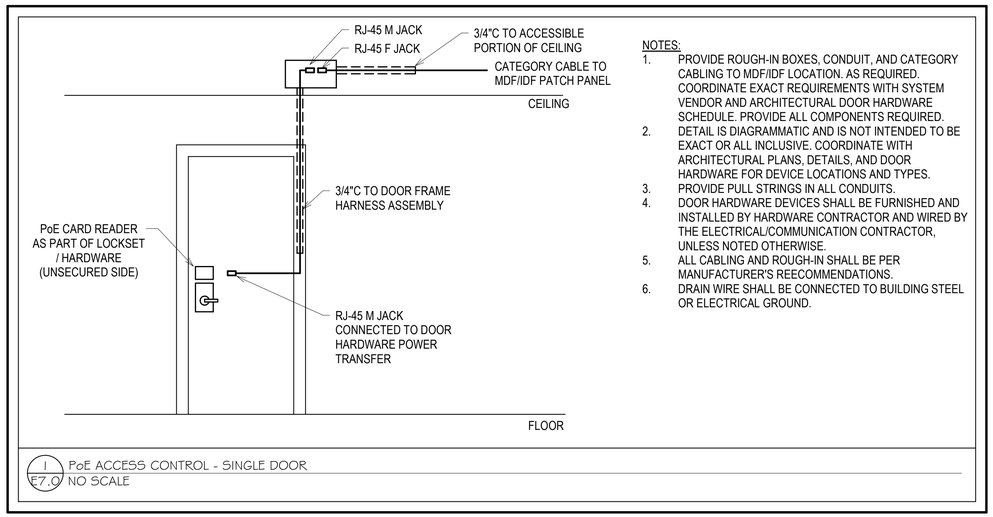
SCALE: 1 1/2" = 1'-0" 2 1 0.5 0
SCALE: 1" = 1'-0" 2 1 0.5 0
SCALE: 3/4" = 1'-0" 3 2 1 0
SCALE: 1/2" = 1'-0" 4 2 1 0
SCALE: 1/4" = 1'-0" 8 4 2 0
SCALE: 1/8" = 1'-0" 16 8 4 0
SCALE: 1/16" = 1'-0" 32 16 8 0



NOTES:

1. PROVIDE ROUGH-IN BOXES, CONDUIT, AND CATEGORY CABLING TO MDF/IDF LOCATION. AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH SYSTEM VENDOR AND ARCHITECTURAL DOOR HARDWARE SCHEDULE. PROVIDE ALL COMPONENTS REQUIRED.
2. DETAIL IS DIAGRAMMATIC AND IS NOT INTENDED TO BE EXACT OR ALL INCLUSIVE. COORDINATE WITH ARCHITECTURAL PLANS, DETAILS, AND DOOR HARDWARE FOR DEVICE LOCATIONS AND TYPES.
3. PROVIDE PULL STRINGS IN ALL CONDUITS.
4. DOOR HARDWARE DEVICES SHALL BE FURNISHED AND INSTALLED BY HARDWARE CONTRACTOR AND WIRED BY THE ELECTRICAL/COMMUNICATION CONTRACTOR, UNLESS NOTED OTHERWISE.
5. ALL CABLING AND ROUGH-IN SHALL BE PER MANUFACTURER'S REECOMMENDATIONS.
6. DRAIN WIRE SHALL BE CONNECTED TO BUILDING STEEL OR ELECTRICAL GROUND.

1 / E7.0 PoE ACCESS CONTROL - SINGLE DOOR
NO SCALE

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DETAILS - ELECTRICAL & TECHNOLOGY

E7.0

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