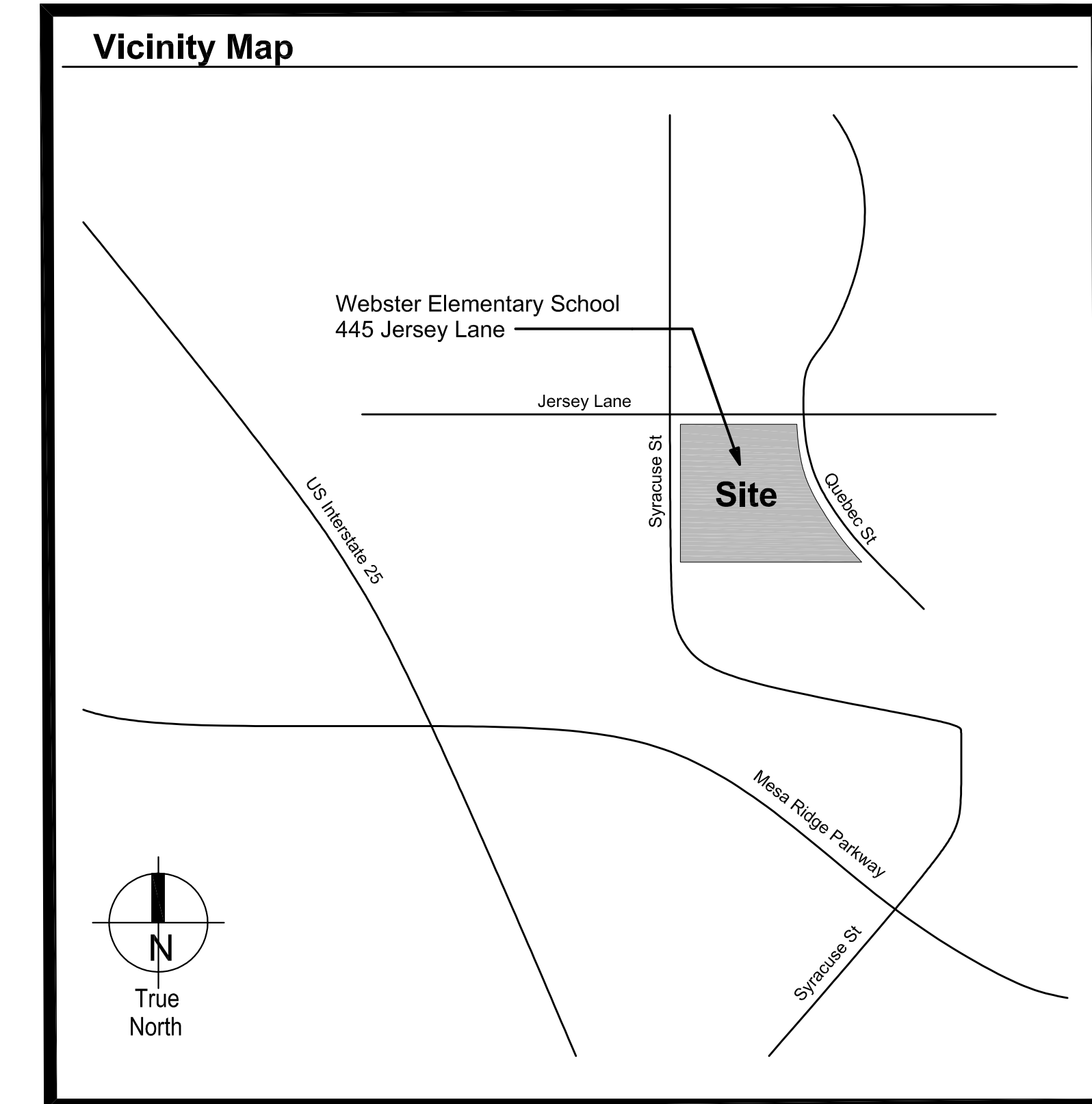


Webster Elementary School Addition and Alterations Widefield School District 3 Site Development Plan

TRACT A, WILSONS WIDEFIELD ADDITION NO. 6, ACCORDING TO REC.# 55193130001, RECORDS OF EL PASO COUNTY LOCATED IN THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER SECTION 19, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE SIXTH P.M., CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO



Sheet Index	
TS1.0	TITLE SHEET
21520-00	TOPOGRAPHIC MAP
SITE DEVELOPMENT	
SD1.0	SITE DEMOLITION PLAN
SD1.1	OVERALL SITE DEVELOPMENT PLAN
SD2.1	ENLARGED SITE DEVELOPMENT PLAN
SD3.1	SITE DETAILS

Contacts	
OWNER Widefield School District 3 1820 Main Street Colorado Springs, CO 80911 (719) 391-3530 Contact: David Gish	CIVIL ENGINEER Kimley-Horn and Associates, Inc. 2 North Nevada Street, Suite 300 Colorado Springs, CO 80903 (719) 453-0180 Contact: Eric Gunderson, P.E.
EL PASO COUNTY El Paso County Planning & Community Development Department 2880 International Circle, Suite 110 Colorado Springs, CO 80910 (719) 520-6300 Contact: Ryan Howser	SURVEYOR Drexel, Barrell & Co. 3 South 7th Street Colorado Springs, CO 80905 (719) 260-0887 Contact: Tim McConnell, P.E.
ARCHITECT The LKA Partners, Inc. 430 North Tejon Street Colorado Springs, CO 80903 (719) 473-8446 Contact: Todd Kimes	

Planning and Community Development Director Approval

Approved
 For the PCD Director
 By: *Justin Kilgore*,
 PCD Planning Manager
 Date: 02/03/2023
 El Paso County Planning & Community Development

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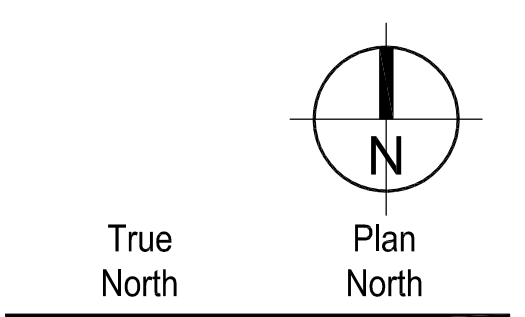
**Webster Elementary School
 Addition and Alterations**
 445 Jersey Lane, Colorado Springs, CO 80911

Widefield School District 3
 1820 Main Street
 Colorado Springs, CO 80911



Construction Documents	
Drawn:	TEK
Checked:	JMS
Issued:	11 January 2022
Revised:	

Area Key Plan



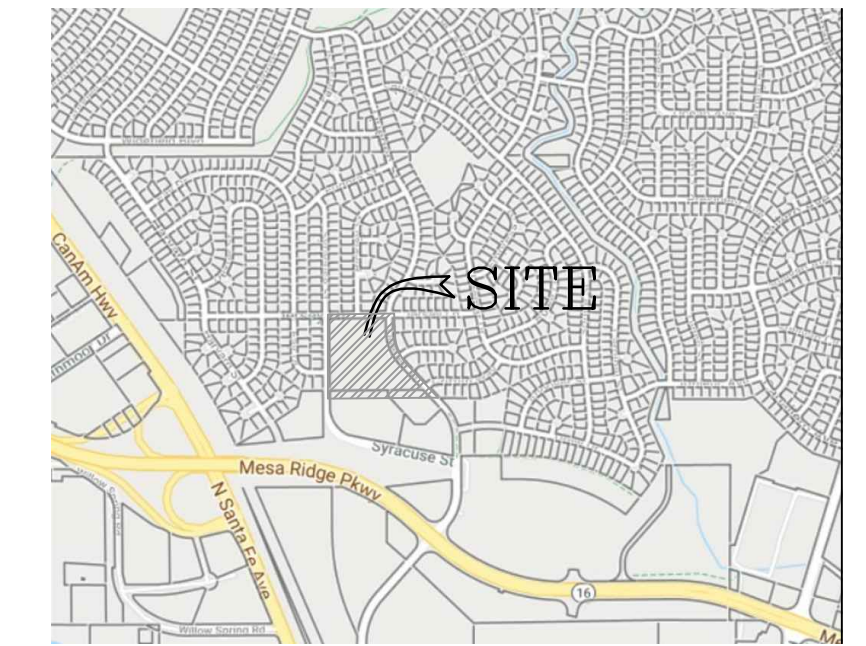
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TS1.0

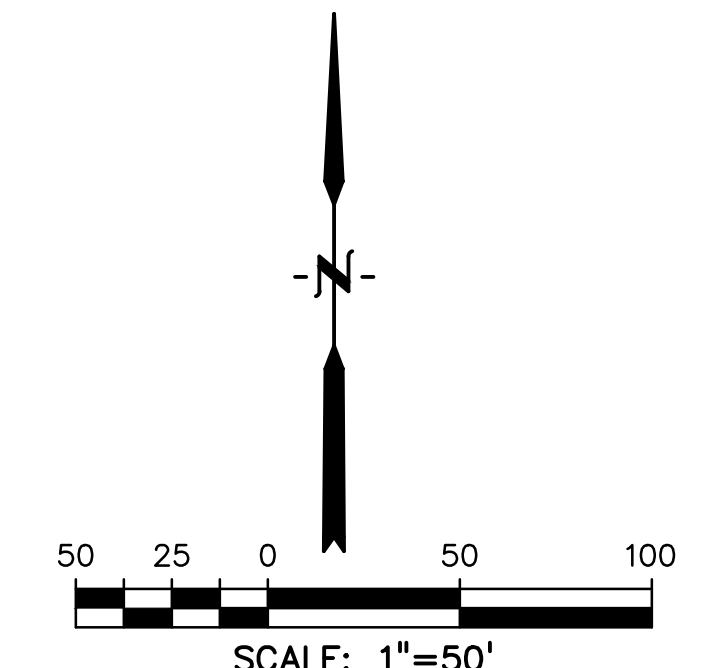
Project No. 21-003
 The LKA Partners Incorporated

TOPOGRAPHIC MAP

TRACT A, WILSONS WIDEFIELD ADDITION NO. 6, ACCORDING TO REC.# 55193130001, RECORDS OF EL PASO COUNTY
 LOCATED IN THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER SECTION 19, TOWNSHIP 15 SOUTH,
 RANGE 65 WEST OF THE SIXTH P.M., CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO



VICINITY MAP
 NOT TO SCALE



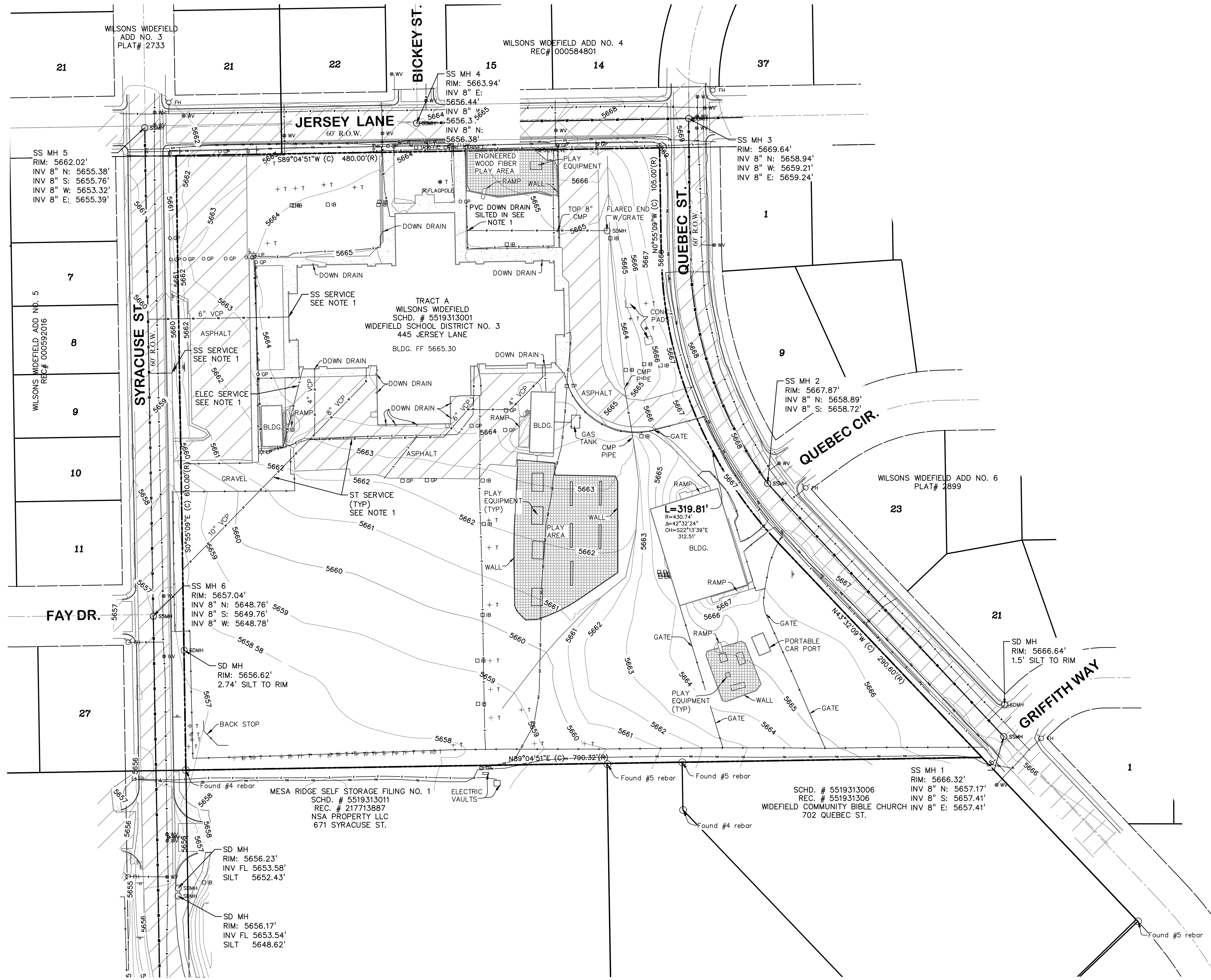
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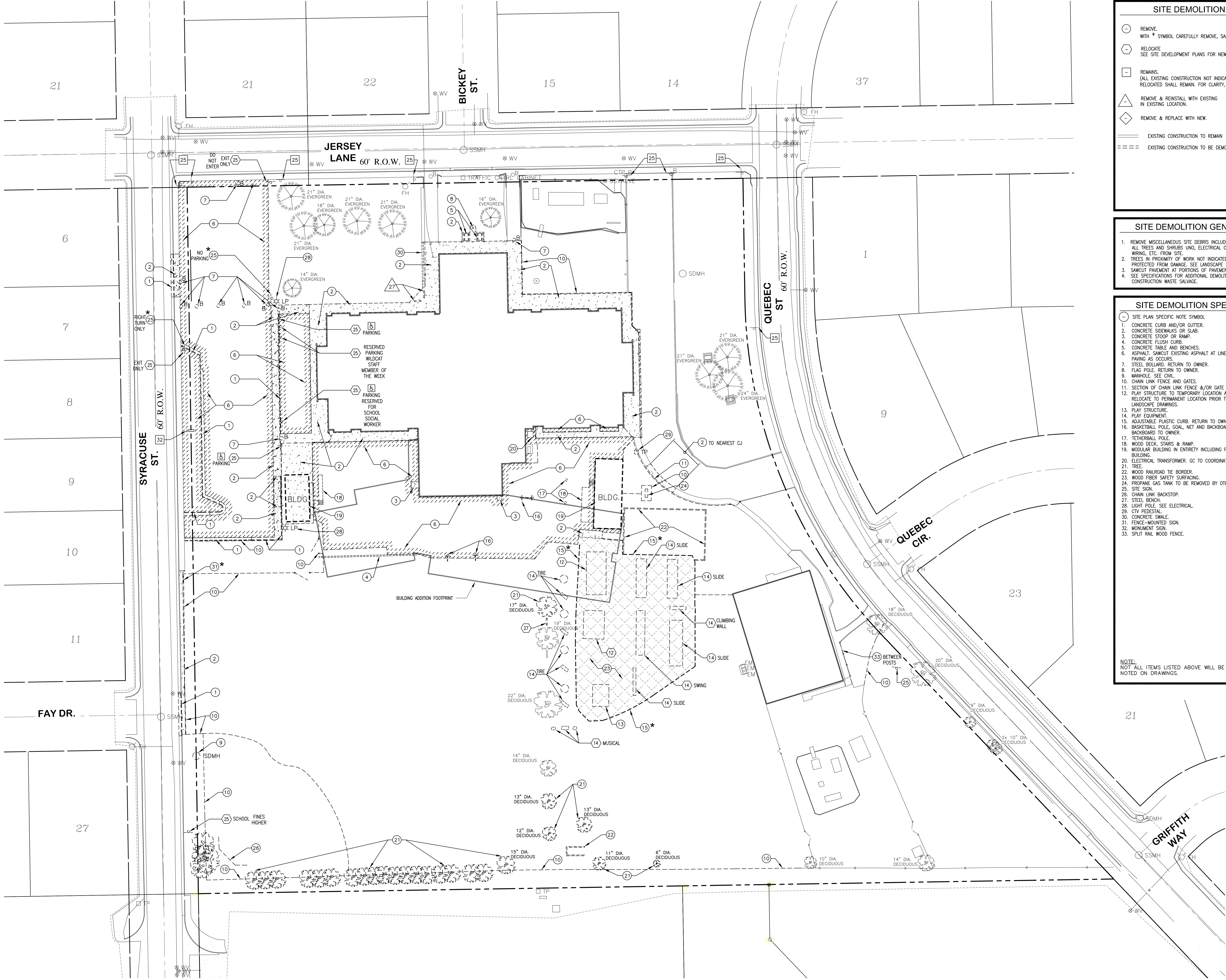
- FOUND SURVEY MONUMENT AS INDICATED
- ⊙ FH FIRE HYDRANT
- ⊙ WV WATER VALVE
- ⊙ LP LIGHT POLE
- ⊙ SDMH STORM MANHOLE
- ⊙ SSMH SEWER MANHOLE
- ⊙ GVALVE GAS VALVE
- ⊙ SIGN
- ⊙ TP TELEPHONE PEDESTAL
- ⊙ IB IRRIGATION CONTROL BOX
- ⊙ GP BOLLARD
- ⊙ EM ELECTRIC METER
- ⊙ CTP CABLE TV PEDESTAL
- ⊙ T TREE
- ⊙ T TREE
- ▨ WALL
- ▬ MONUMENT LINE
- ▬ PROPERTY LINE
- ▬ EASEMENT LINE
- ▬ RIGHT-OF-WAY LINE
- ▬ UNDERGROUND GAS LINE
- ▬ WATER LINE
- ▬ OVERHEAD ELECTRIC
- ▬ UNDERGROUND ELECTRIC
- ▬ TELEPHONE
- ▬ FIBER OPTIC
- ▬ TELEPHONE
- ▬ STORM DRAIN
- ▬ SANITARY SEWER
- ▬ FENCE
- ▨ CONCRETE CONCRETE HATCH COLOR & PATTERN
- ▨ AC PAVT ASPHALT HATCH COLOR & PATTERN
- ▨ RIP RAP RIP RAP
- ▨ ENGINEERED WOOD FIBER ENGINEERED WOOD FIBER

SURVEY NOTE'S:

- 1) THIS UTILITY/FACILITY WAS UNABLE TO BE LOCATED AND IS SHOWN IN AN APPROXIMATE/ASSUMED LOCATION BASED ON RECORD DRAWINGS OR OTHER AVAILABLE INFORMATION OR FIELD EVIDENCES. THE CONTRACTOR IS TO FIELD VERIFY THE LOCATION AND ELEVATION OF THE UTILITY/FACILITY IF IT EXISTS.

PREPARED BY: DREXEL, BARRELL & CO.
 3 SOUTH 7TH STREET
 COLORADO SPRINGS, CO 80905
 (719) 260-0887
 JOB NO. 21286-04
 COLORADO SPRINGS • BOULDER • GREELEY
 DATE OF PREPARATION: JULY 26, 2021
 Drawing No. 21520-00





SITE DEMOLITION LEGEND

- REMOVE.
WITH * SYMBOL CAREFULLY REMOVE, SALVAGE AND RETURN ITEM TO OWNER
- ⬇️ RELOCATE
SEE SITE DEVELOPMENT PLANS FOR NEW LOCATION
- ⊖ REMAINS.
(ALL EXISTING CONSTRUCTION NOT INDICATED TO BE REMOVED OR RELOCATED SHALL REMAIN. FOR CLARITY, THIS SYMBOL MAY BE USED).
- ⚠️ REMOVE & REINSTALL WITH EXISTING
IN EXISTING LOCATION.
- ◇ REMOVE & REPLACE WITH NEW.
- EXISTING CONSTRUCTION TO REMAIN
- - - EXISTING CONSTRUCTION TO BE DEMOLISHED

SITE DEMOLITION GENERAL NOTES

1. REMOVE MISCELLANEOUS SITE DEBRIS INCLUDING CONCRETE, CONCRETE BLOCK, ALL TREES AND SHRUBS UNDO, ELECTRICAL CONDUIT AND BOXES, WOOD, WIRING, ETC. FROM SITE.
2. TREES IN PROXIMITY OF WORK NOT INDICATED TO BE REMOVED SHALL BE PROTECTED FROM DAMAGE. SEE LANDSCAPE DRAWINGS.
3. SAWCUT PAVEMENT AT PORTIONS OF PAVEMENT TO REMAIN.
4. SEE SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS INCLUDING CONSTRUCTION WASTE SALVAGE.

SITE DEMOLITION SPECIFIC NOTES

○ SITE PLAN SPECIFIC NOTE SYMBOL

1. CONCRETE CURB AND/OR GUTTER.
2. CONCRETE SIDEWALKS OR SLAB.
3. CONCRETE STOOP OR RAMP.
4. CONCRETE FLUSH CURB.
5. CONCRETE TABLE AND BENCHES.
6. ASPHALT. SAWCUT EXISTING ASPHALT AT LINE OF NEW CONCRETE OR ASPHALT PAVING AS OCCURS.
7. STEEL BOLLARD. RETURN TO OWNER.
8. FLAG POLE. RETURN TO OWNER.
9. MANHOLE. SEE CIVIL.
10. CHAIN LINK FENCE AND GATES.
11. SECTION OF CHAIN LINK FENCE &/OR GATE TO SUIT NEW CHAIN LINK GATE.
12. PLAY STRUCTURE TO TEMPORARY LOCATION AS DIRECTED BY OWNER. RELOCATE TO PERMANENT LOCATION PRIOR TO PROJECT COMPLETION. SEE LANDSCAPE DRAWINGS.
13. PLAY STRUCTURE.
14. PLAY EQUIPMENT.
15. ADJUSTABLE PLASTIC CURB. RETURN TO OWNER.
16. BASKETBALL POLE, GOAL, NET AND BACKBOARD. RETURN GOAL, NET AND BACKBOARD TO OWNER.
17. TETHERBALL POLE.
18. WOOD DECK, STAIRS & RAMP.
19. MODULAR BUILDINGS IN ENTIRETY INCLUDING FOUNDATIONS & UTILITIES SERVING BUILDING.
20. ELECTRICAL TRANSFORMER. GC TO COORDINATE REMOVAL BY UTILITY COMPANY.
21. TREE.
22. WOOD RAILROAD TIE BORDER.
23. WOOD FIBER SAFETY SURFACING.
24. PROPANE GAS TANK TO BE REMOVED BY OTHERS.
25. SITE SIGN.
26. CHAIN LINK BACKSTOP.
27. STEEL BENCH.
28. LIGHT POLE. SEE ELECTRICAL.
29. CIV PEDESTAL.
30. CONCRETE SWALE.
31. FENCE-MOUNTED SIGN.
32. MONUMENT SIGN.
33. SPLIT RAIL WOOD FENCE.

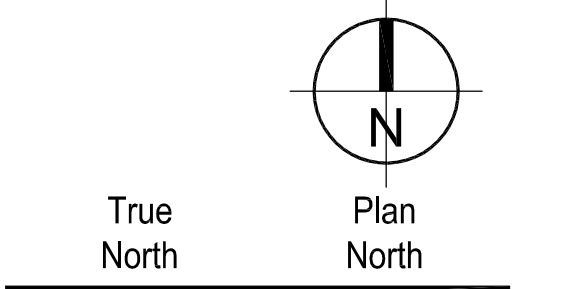
NOTE:
NOT ALL ITEMS LISTED ABOVE WILL BE NOTED ON DRAWINGS.



Construction Documents

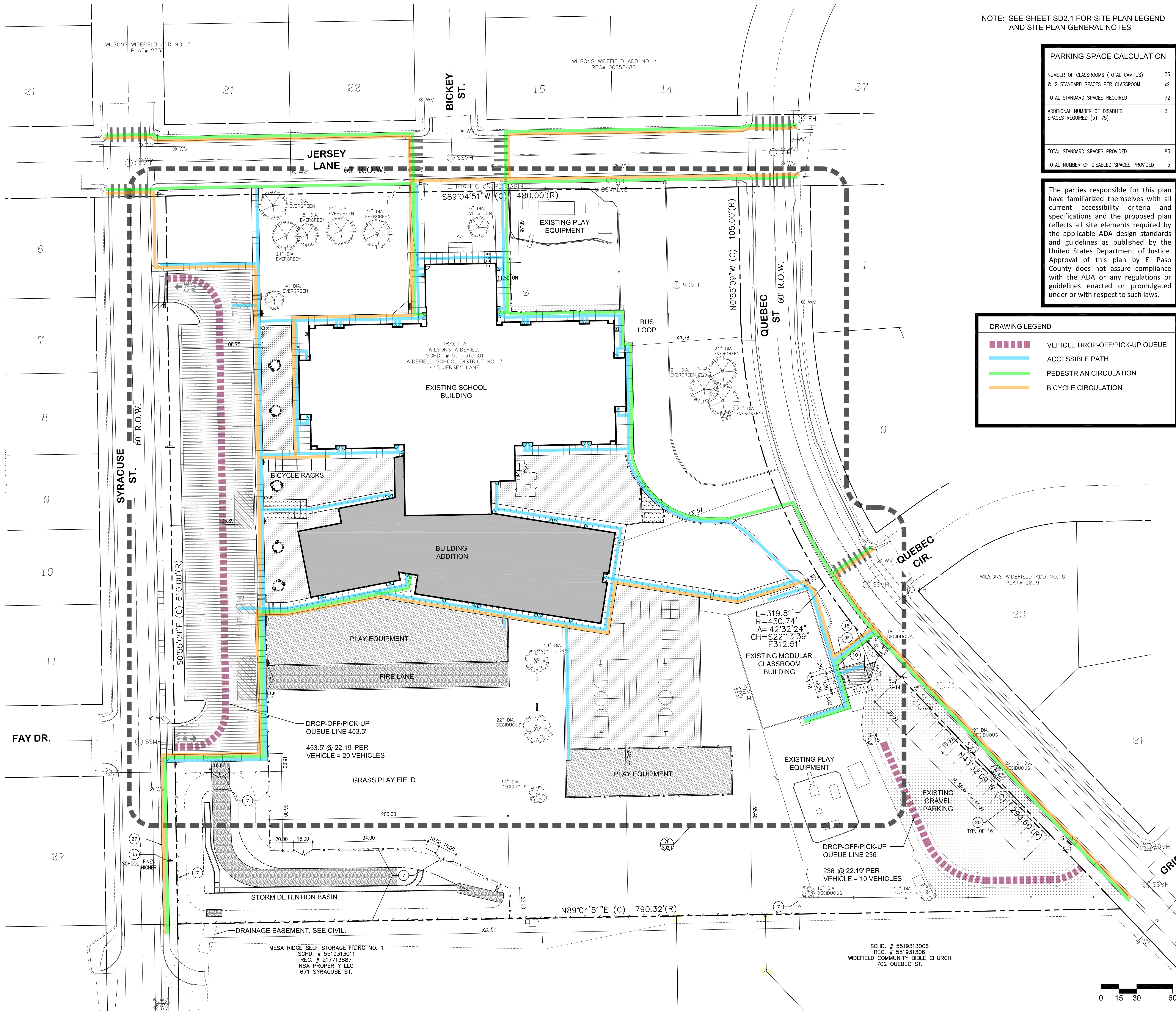
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Checked: _____ JMS
Issued: _____ 11 January 2022
Revised: _____

Area Key Plan



Site Demolition Plan

SD1.0



NOTE: SEE SHEET SD2.1 FOR SITE PLAN LEGEND AND SITE PLAN GENERAL NOTES

PARKING SPACE CALCULATION	
NUMBER OF CLASSROOMS (TOTAL CAMPUS)	36
2 STANDARD SPACES PER CLASSROOM	x2
TOTAL STANDARD SPACES REQUIRED	72
ADDITIONAL NUMBER OF DISABLED SPACES REQUIRED (51-75)	3
TOTAL STANDARD SPACES PROVIDED	83
TOTAL NUMBER OF DISABLED SPACES PROVIDED	5

The parties responsible for this plan have familiarized themselves with all current accessibility criteria and specifications and the proposed plan reflects all site elements required by the applicable ADA design standards and guidelines as published by the United States Department of Justice. Approval of this plan by El Paso County does not assure compliance with the ADA or any regulations or guidelines enacted or promulgated under or with respect to such laws.

DRAWING LEGEND	
	VEHICLE DROP-OFF/PICK-UP QUEUE
	ACCESSIBLE PATH
	PEDESTRIAN CIRCULATION
	BICYCLE CIRCULATION

SPECIFIC NOTE LEGEND	
	SPECIFIC NOTE

- SITE PLAN SPECIFIC NOTES**
- CONCRETE CURB AND GUTTER, (25a & 30a/SD3.1) TYP. UON
 - CONCRETE RAMPED/MOUNTABLE CURB & GUTTER. PAINT CURB RED. (20a/SD3.1)
 - CONCRETE WALK WITH ISOLATION, EXPANSION & CONTRACTION JOINTS AS SHOWN (1/4" PER FOOT MAX. CROSS SLOPE), (24a,b & 29a,b/SD3.1) UON.
 - HC PARKING RAMP: 2% MAX. CROSS SLOPE. (23/SD3.1)
 - UTILITY ENCLOSURE, TYPE 2 CHAIN LINK FENCE & GATES 10'-0" HIGH, UON. ADJUST ENCLOSURE DIMENSIONS TO PROVIDE REQUIRED CLEARANCES TO AS-CONSTRUCTED ELECTRICAL EQUIPMENT. (28/SD3.1)
 - DUMPSTER ENCLOSURE, TYPE 2 CHAIN LINK FENCE & GATES 7'-0" HIGH, UON. 4 SIDES. (28/SD3.1)
 - CHAIN LINK FENCE AND GATES, TYPE 1, 4'H.
 - CHAIN LINK FENCE, TYPE 2, 4'H.
 - TRAFFIC CONTROL AND PARKING STRIPING:
 - A - CENTER LINES: 4" WIDE SOLID DOUBLE YELLOW 3" APART. NOT USED
 - B - LANE LINES: 4" WIDE DASHED WHITE, 10' LONG 10' GAPS. NOT USED
 - C - CHANNELIZING LINES: 8" WIDE SOLID WHITE
 - D - STOP BARS: 24" WIDE SOLID WHITE
 - E - AUTO PARKING STALL LINES: 4" WIDE SOLID WHITE
 - F - HANDICAP / DISABLED PARKING STALL STRIPING & LOADING AREA LINES 4" WIDE SOLID WHITE PERMETER & 24" APART AT CROSSHATCH
 - G - PEDESTRIAN CROSSINGS: 2' X 12" SOLID WHITE BARS, 3' APART.
 - PAINTED TRAFFIC GRAPHICS. (19/SD3.1)
 - BICYCLE RACK.
 - CURB CUT. SEE CIVIL.
 - BASKETBALL GOAL POST AND BACKBOARD (8/SD3.1)
 - FLAGPOLE.
 - GRAVEL SURFACING. SEE CIVIL.
 - BASKETBALL COURT/GAME STRIPING. (21/SD3.1)
 - LANDSCAPING EDGE (SEE LANDSCAPE DRAWINGS).
 - SIDEWALK TRENCH DRAIN AND COVER. CENTER ON GRADED SWALE FLOW LINE (26/SD3.1).
 - DUMPSTERS BY OWNER.
 - PRECAST CONCRETE WHEEL STOP.
 - CONCRETE FLUSH CURB. (13a/SD3.1)
 - CONC HC PLAY AREA RAMP. (11/SD3.1)
 - TETHER BALL POLE (4a & 8/SD3.1)
 - EXG MONUMENT SIGN.
 - BOLLARD. (9a/SD3.1)
 - CATCH BASIN. (12/SD3.1)
 - CONCRETE WALK PER EL PASO COUNTY STANDARDS. SEE CIVIL.
 - CONCRETE TREE RING. (14/SD3.1) SEE LANDSCAPE FOR BOULDERS.
 - HC PARKING RAMP: 2% MAX. CROSS SLOPE. (18/SD3.1)
 - CONCRETE ROLLED CURB & GUTTER FOR SNOW REMOVAL. (25b/SD3.1)
 - PATCH ASPHALT.
 - REINSTALL BENCH.
 - REINSTALL SITE SIGN.
 - SOD INFILL. SEE LANDSCAPE.
 - CONCRETE SWALE. ALIGN WITH AND MATCH EXISTING CONCRETE SWALE WIDTH AND DEPTH. (10b/SD3.1 SIM)
 - REMOVE EXISTING PARKING STRIPING IN PREPARATION FOR NEW PARKING STRIPING.
 - NEW CROSSWALK PAVEMENT MARKING PER EL PASO COUNTY STANDARDS. SEE CIVIL.
 - FLUSH CURB. (20b/SD3.1) PAINT CURB RED.

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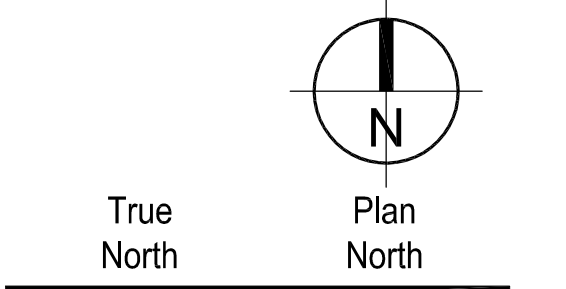
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Construction Documents

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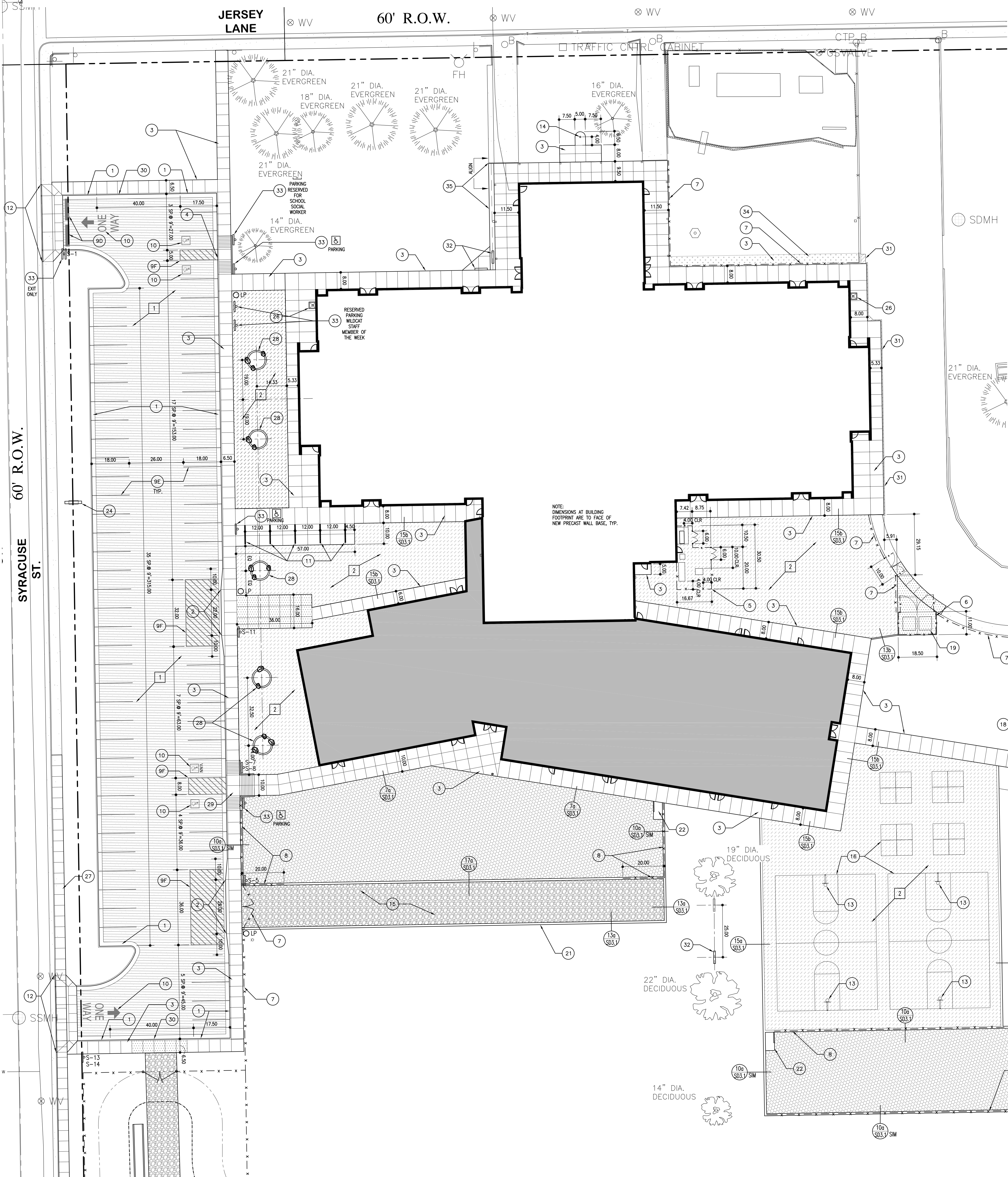
Area Key Plan



Overall Site Development Plan

SD1.1

Project No. 21-003
 The LKA Partners Incorporated



SITE PLAN LEGEND

⊕	PROPERTY BOUNDARY (REFER TO SURVEY)	▨	WOOD FIBER PLAY AREAS (SEE SPECIFICATIONS)
⊕	FIRE HYDRANT	▨	VEHICULAR ASPHALT PAVING (SEE CIVIL)
FDC	FIRE DEPARTMENT CONNECTION	▨	PLAY AREA ASPHALT PAVING (SEE CIVIL)
⊕	TRAFFIC SIGN AND TYPE (SEE DETAIL 2/SD3.1)	—	CURB & GUTTER - CATCH
⊕	LIGHT POLE CONCRETE BASE	—	CURB & GUTTER - SPILL
⊕	ACCESSIBLE PARKING SPACE SYMBOL PROVIDE "VAN" WHERE INDICATED	CR	CURB RAMP FOR DISABLED ACCESSIBILITY
⊕	FIXED STEEL PIPE BOLLARD (SEE DETAIL 9A/SD3.1)	CT	CURB TRANSITION AT CURB RAMP
— X —	CHAINLINK FENCE	TD	TRENCH DRAIN
▨	CONCRETE PEDESTRIAN WALKS & BIKE RACK AREA W/ SCORE OR CONSTRUCTION JOINTS AS SHOWN	BOM	BOTTOM OF MASONRY
▨	REINFORCED CONCRETE PAVING W/ SCORE OR CONSTRUCTION JOINTS AS SHOWN (SEE CIVIL)	RO	CONCRETE RUN-OUT
		MH	MANHOLE
		AD	STORM SEWER INLET
		EJ	EXPANSION JOINT W/ CAULK
		SJ	SCORE JOINT - AS INDICATED
		IE	INVERT ELEVATION
		FL	FLOW LINE
		HP	HIGH POINT
		LP	LOW POINT
		PC	POINT OF CURVATURE
		PT	POINT OF TANGENCY (SEE CIVIL)
		CC	CENTER OF CURVATURE
		FCR	POINT OF CURB RADIUS (RETURN)
		AP	ANGLE POINT
		TC	TOP OF CURB
		TP	TOP OF PAVING (CONC / ASPHALT)
		TG	TOP OF GRATE (DRAIN / INLET)
		WP	WORKING POINT
		C	CENTER LINE
		TOW	TOP OF WALL
		UNO	UNLESS NOTED OTHERWISE

SITE PLAN GENERAL NOTES

- SITE PLAN DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVING, OR FACE OF BUILDING FOUNDATION UNLESS NOTED OTHERWISE.
- REFERENCE TOPOGRAPHIC SURVEY PREPARED BY DREXEL, BARREL & CO, PROJECT NUMBER 21286-04, DATED JULY 26, 2021, FOR BENCHMARKS, SITE UTILITIES AND OTHER SITE INFORMATION.
- REFERENCE GEOTECHNICAL ENGINEERING STUDY PREPARED BY GROUND ENGINEERING, INC. PROJECT NUMBER 21-8005, DATED SEPTEMBER 24, 2021, FOR SOILS INFORMATION AND RECOMMENDATIONS.
- REFERENCE CIVIL DRAWINGS FOR EROSION AND SEDIMENT CONTROL PLANS, GRADING, HORIZONTAL CONTROL, STORM DRAINAGE, AND SITE UTILITIES.
- REMOVE ALL DEMOLITION DEBRIS, IF ANY (BROKEN CONCRETE, ASPHALT, ETC.) FROM SITE. REMOVE EXISTING PLANT MATERIALS, SCRUB, RUBBLE, ETC. DISPOSE OF MATERIAL AT AN APPROVED OFF-SITE LOCATION.
- PROVIDE CONSTRUCTION FENCING AROUND STAGING AND EXTENT OF GRADING AREAS.
- RESEED AREAS OUTSIDE OF CONSTRUCTION FENCE BOUNDARY DISTURBED BY CONSTRUCTION ACTIVITIES WITH NATIVE GRASS SEED MIX (SEE LANDSCAPE DRAWINGS).
- FINISH GRADING SURROUNDING THE EXTERIOR OF THE BUILDING SHALL BE SLOPED TO DRAIN AWAY FROM THE BUILDING IN ALL DIRECTIONS. MINIMUM SLOPE 5% IN FIRST 10' OF UNPAVED AREAS & 2.5% IN FIRST 10' OF PAVED AREAS, U.O.N. ON GRADING PLAN.
- SEE THIS DRAWING FOR SITE SPECIFIC NOTE LIST.
- SEE THIS DRAWING FOR SITE PLAN LEGEND.

SPECIFIC NOTE LEGEND

⊕ SPECIFIC NOTE

- ### SITE PLAN SPECIFIC NOTES
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445 Jersey Lane, Colorado Springs, CO 80911

Widefield School District 3
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Construction Documents

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Revised: _____

Area Key Plan

True North
Plan North

Enlarged Site Development Plan

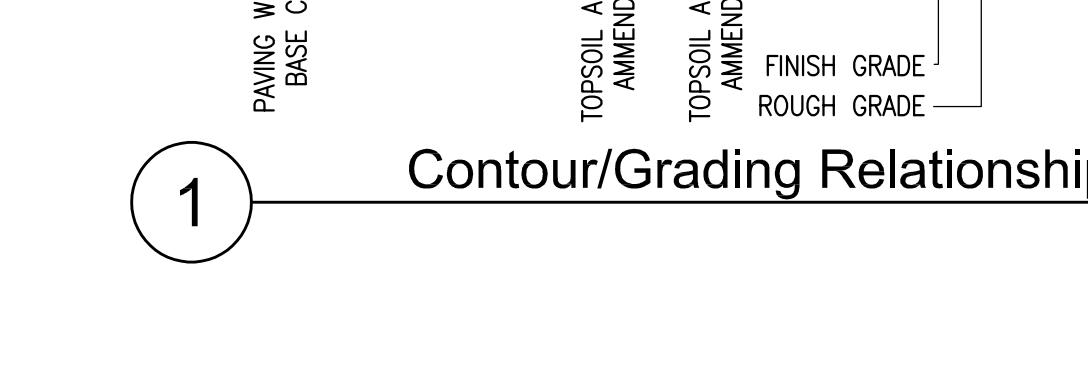
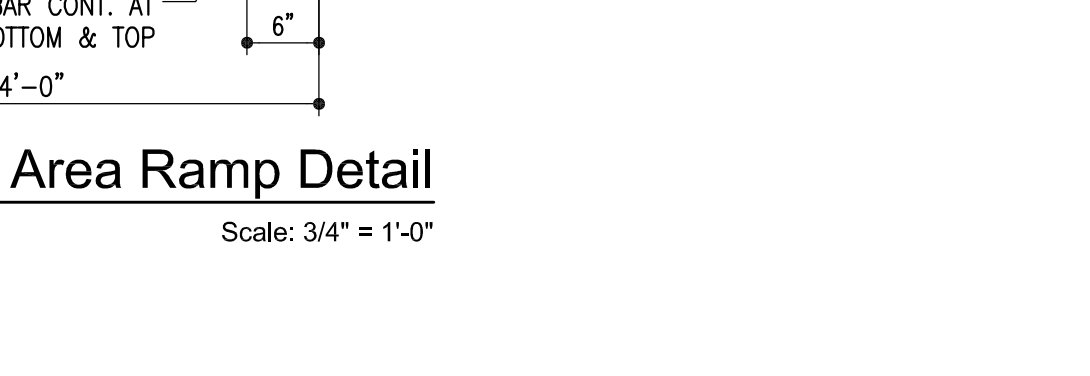
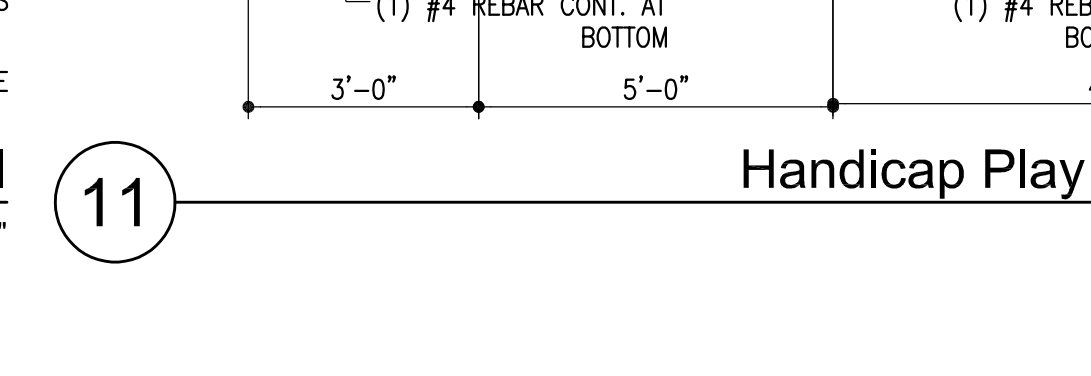
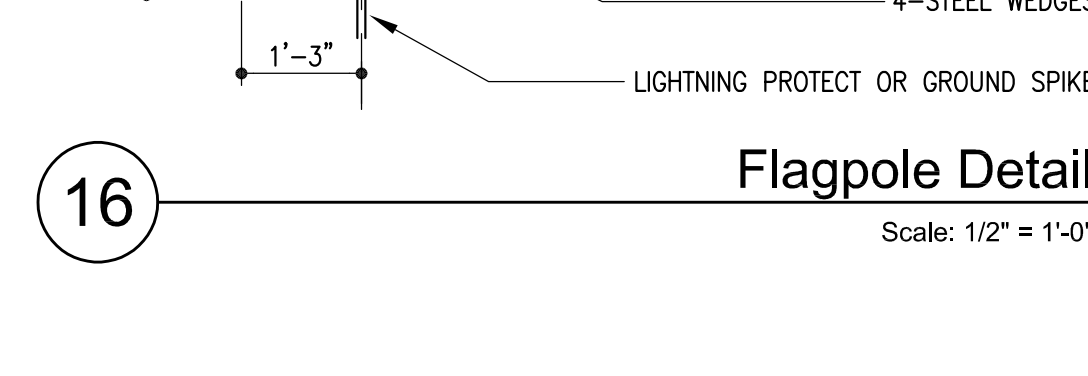
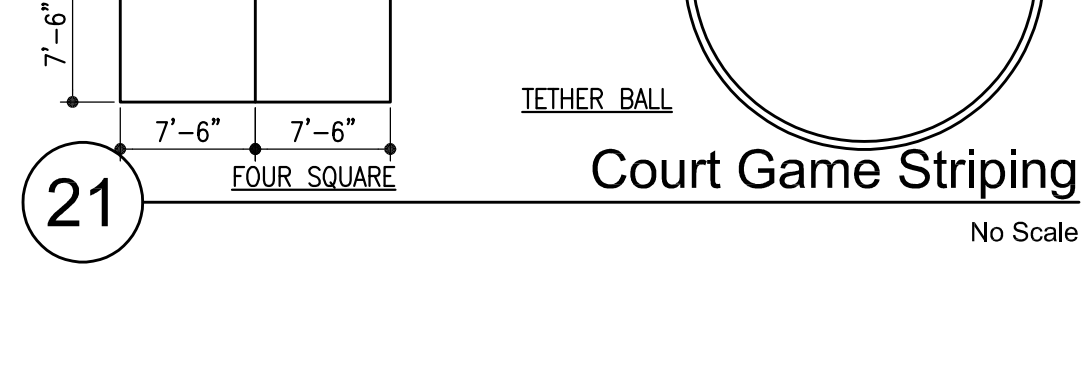
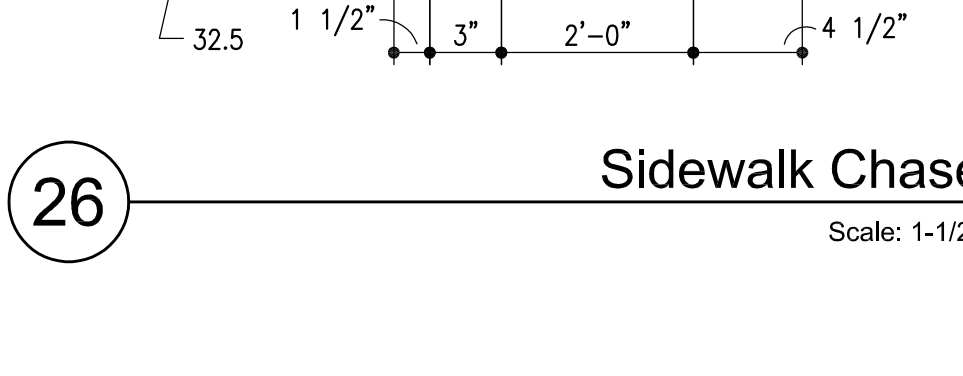
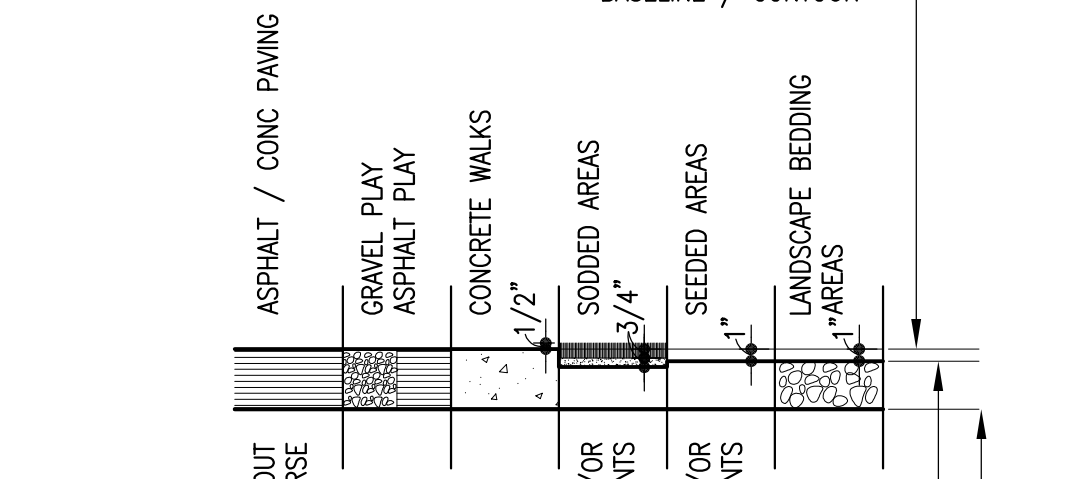
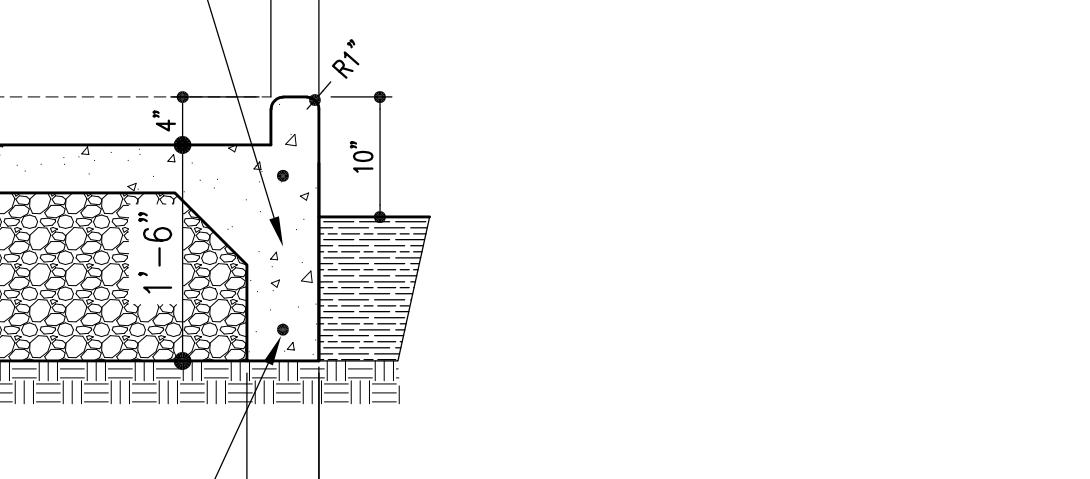
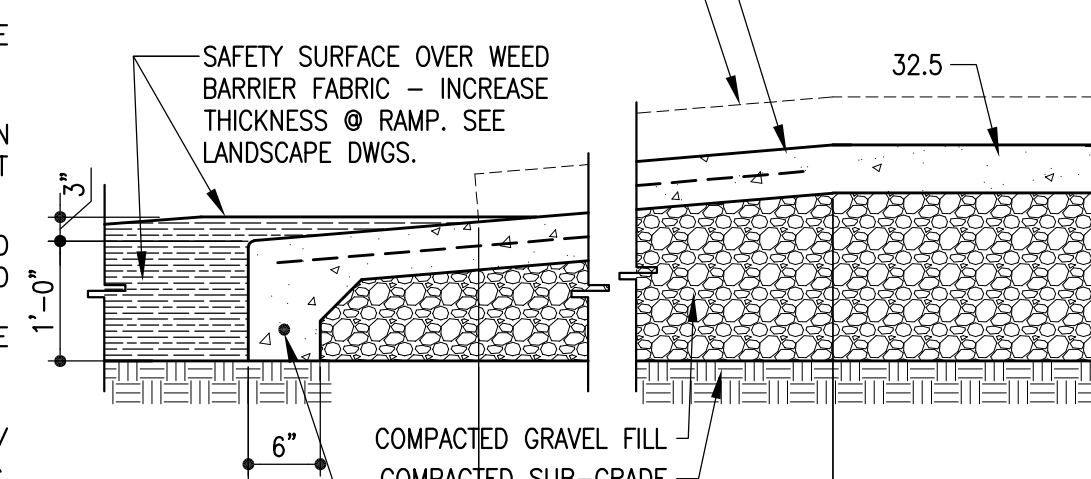
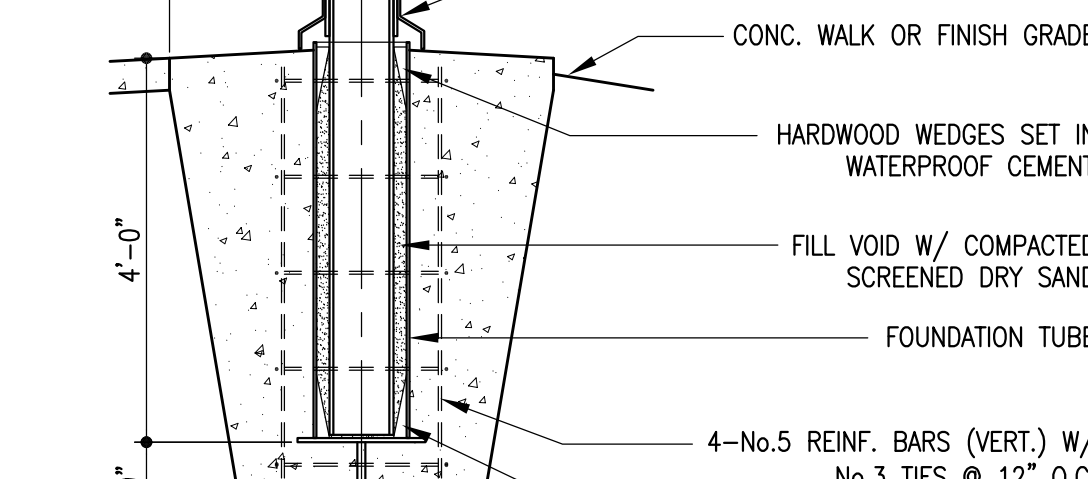
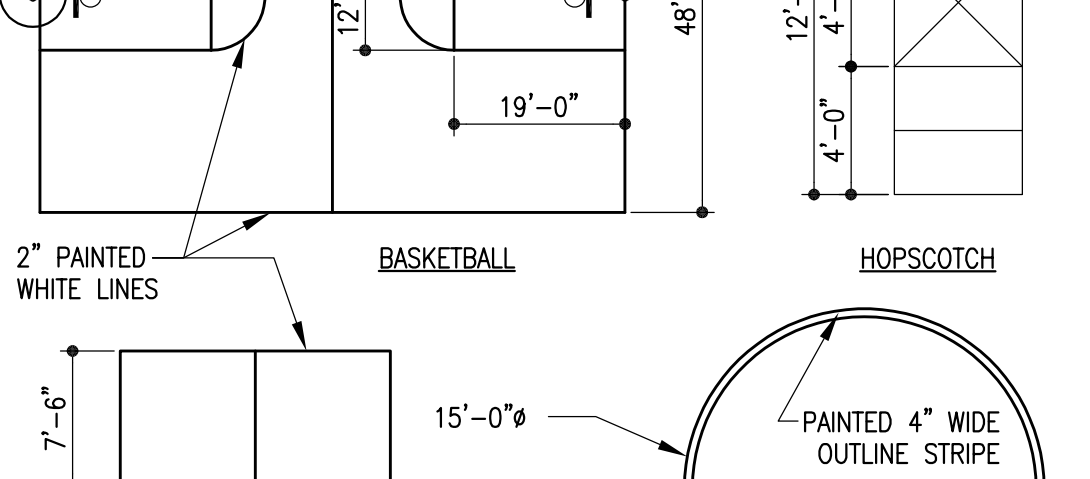
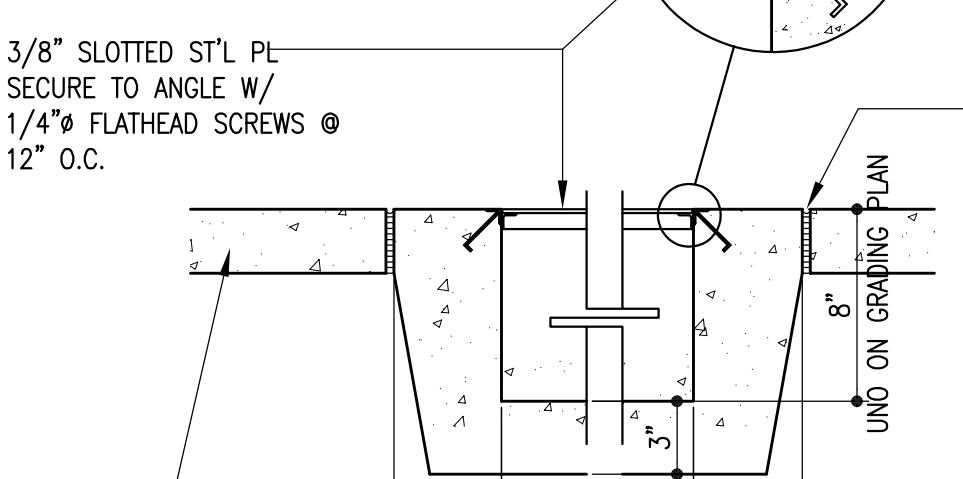
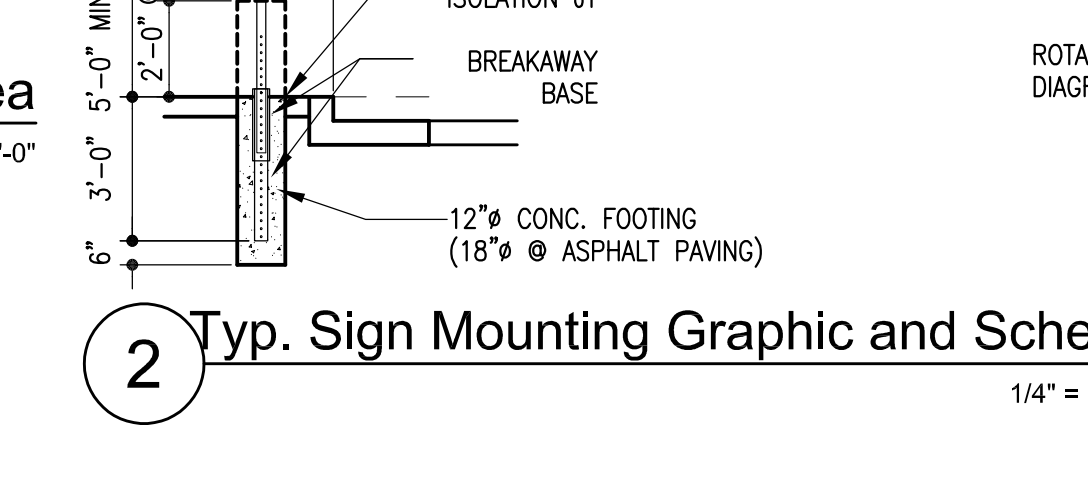
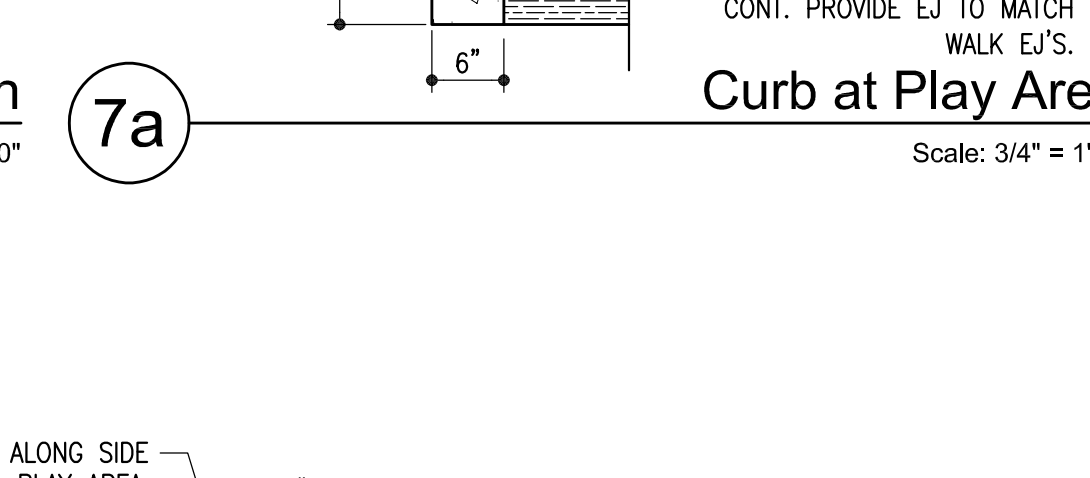
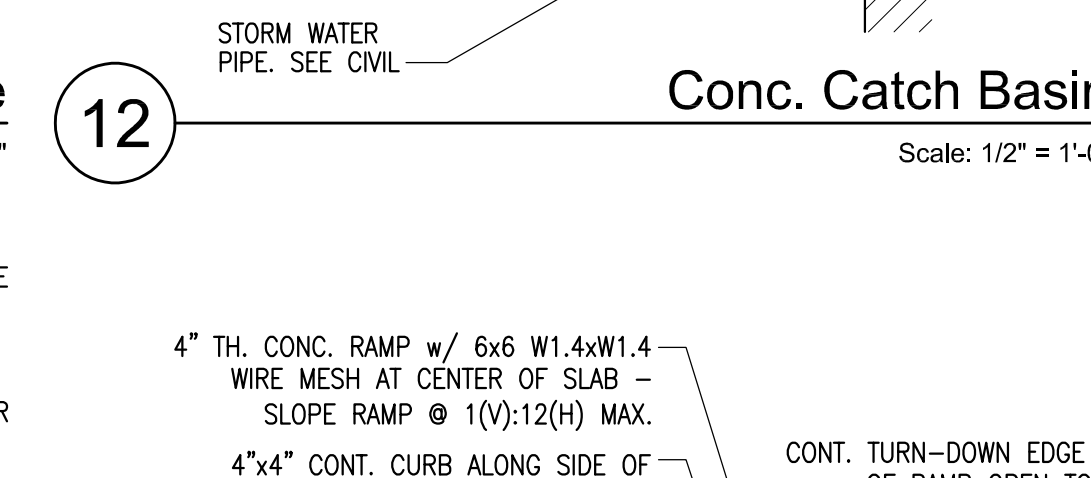
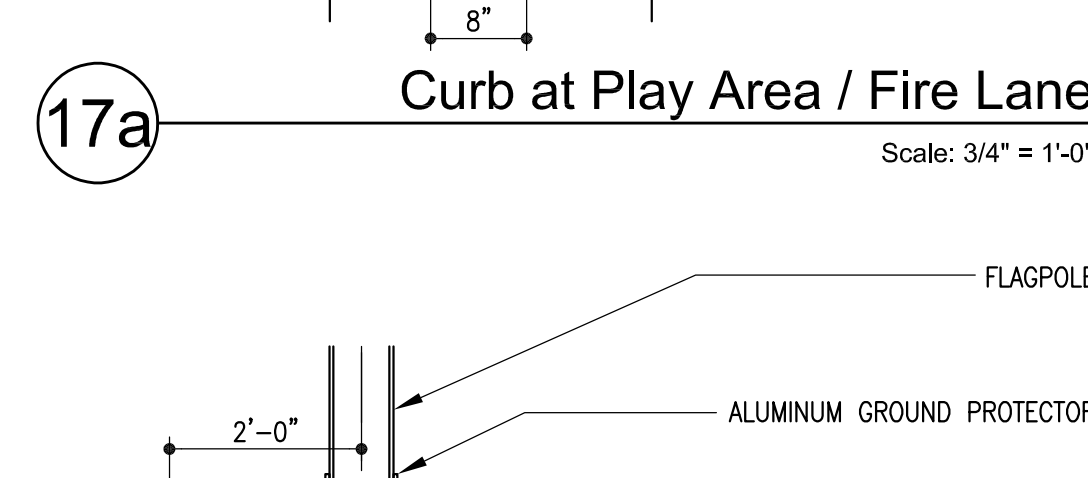
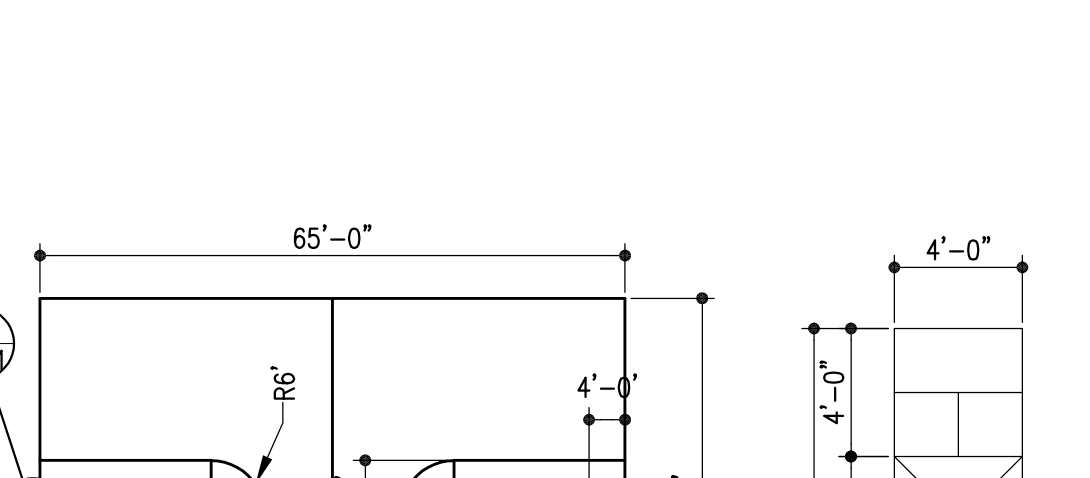
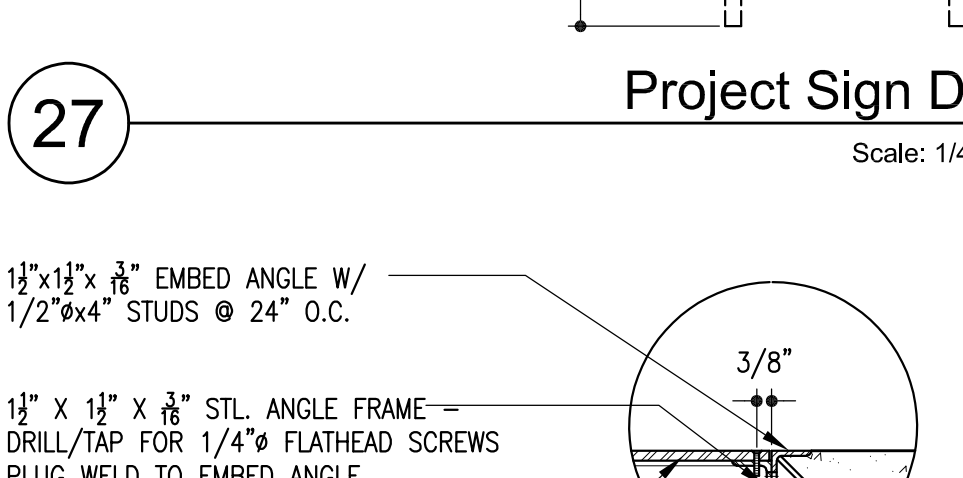
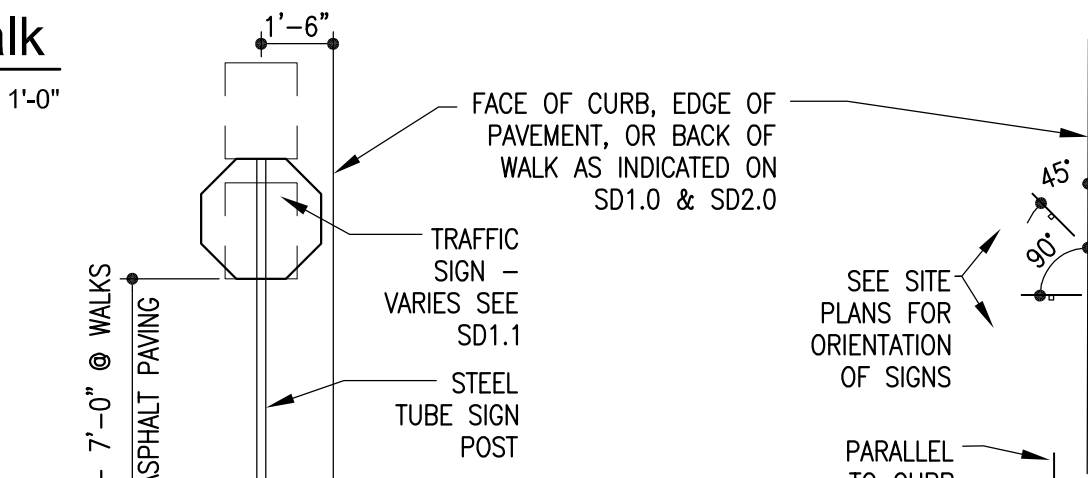
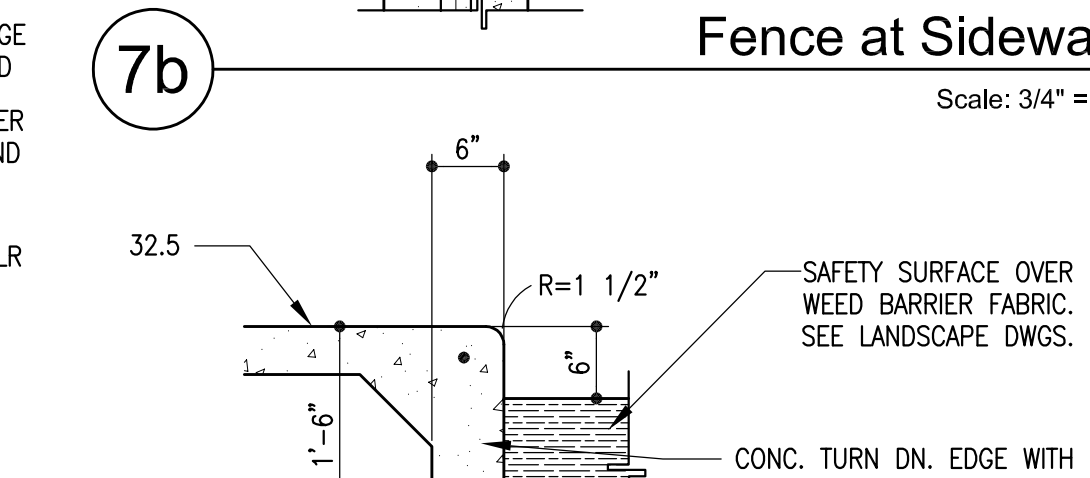
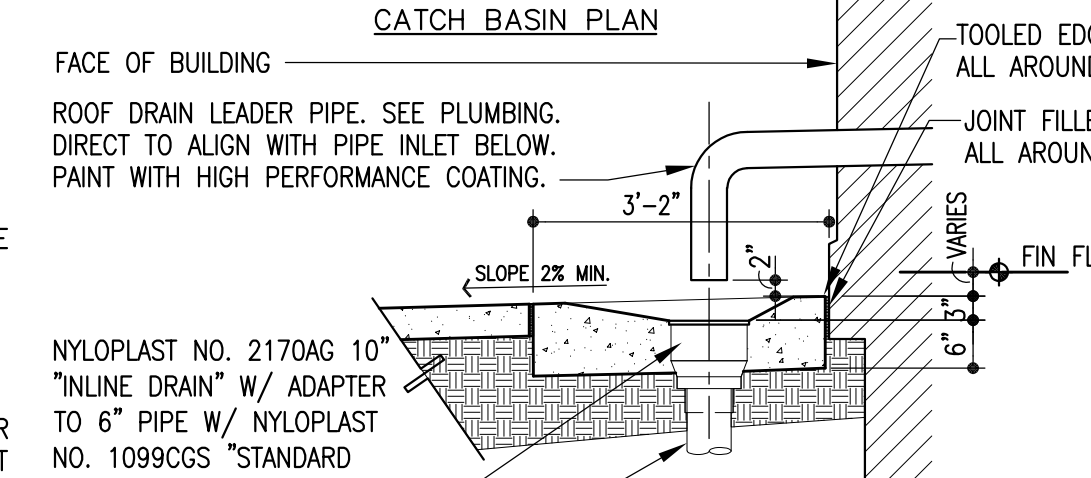
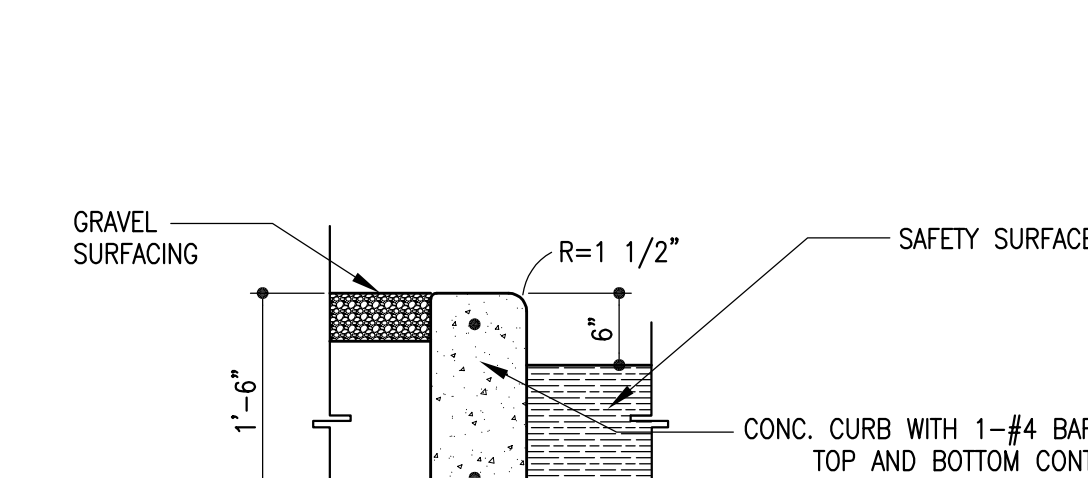
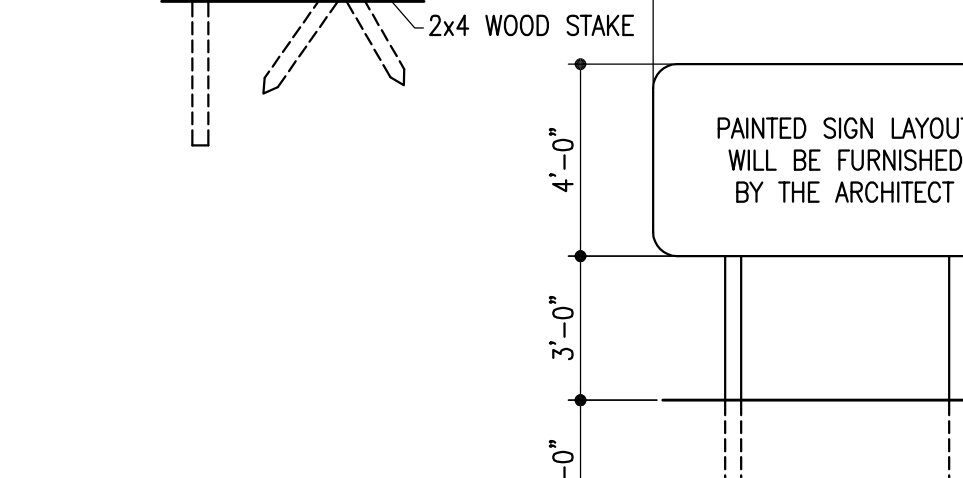
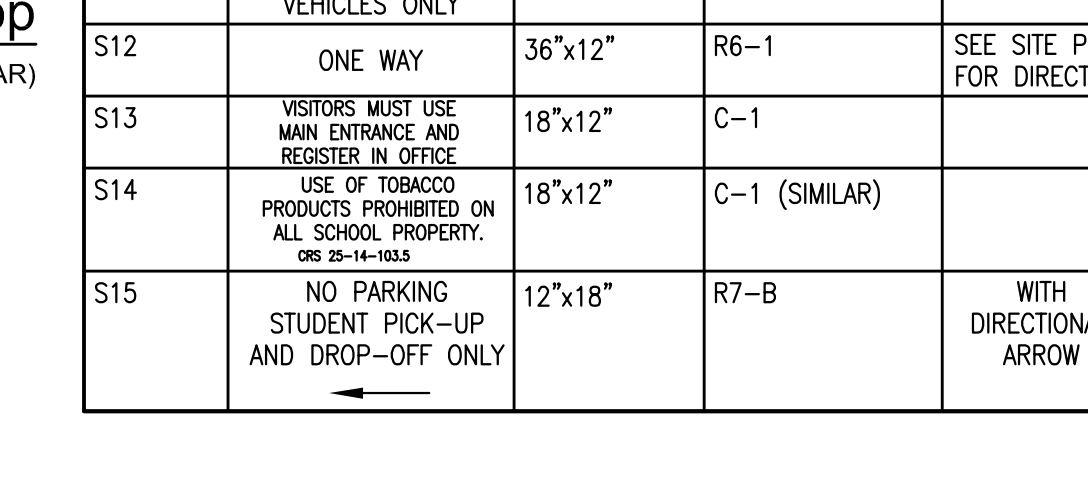
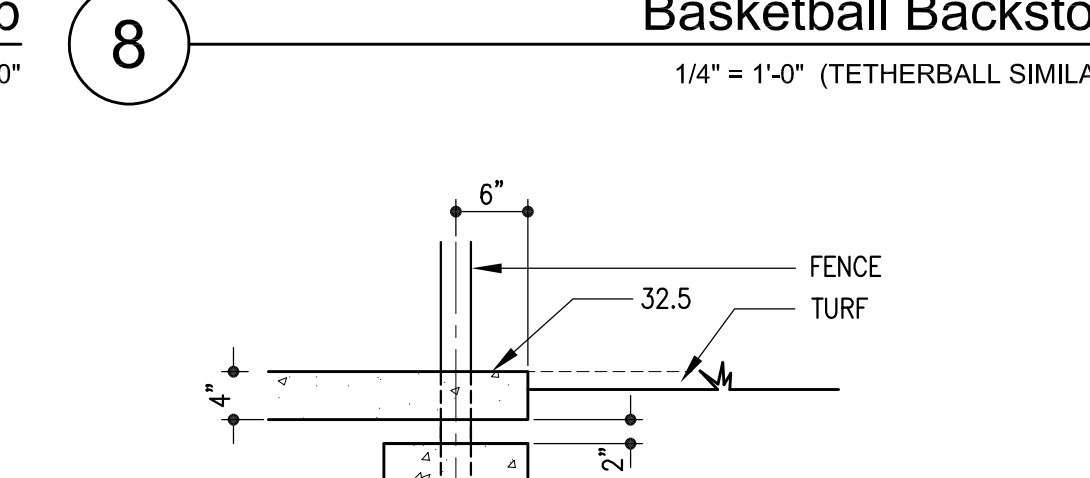
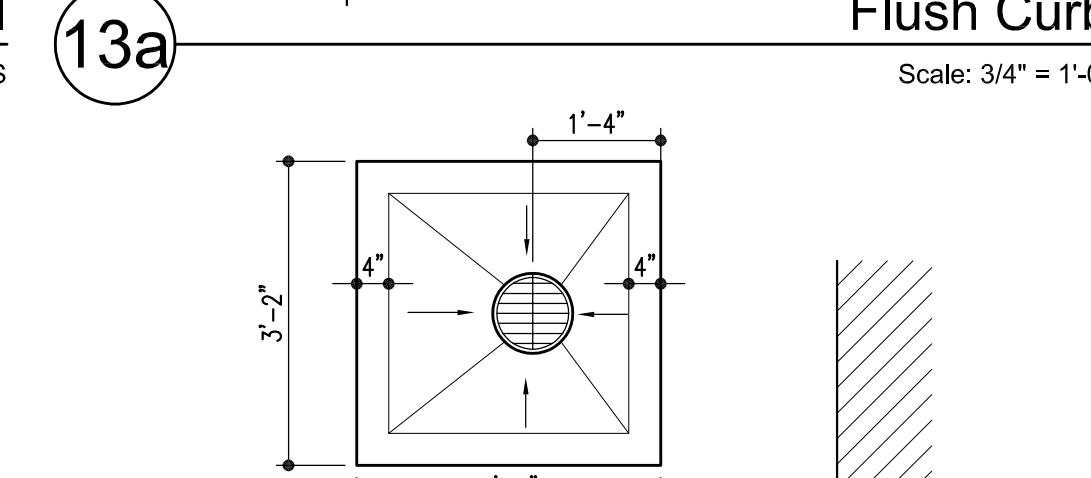
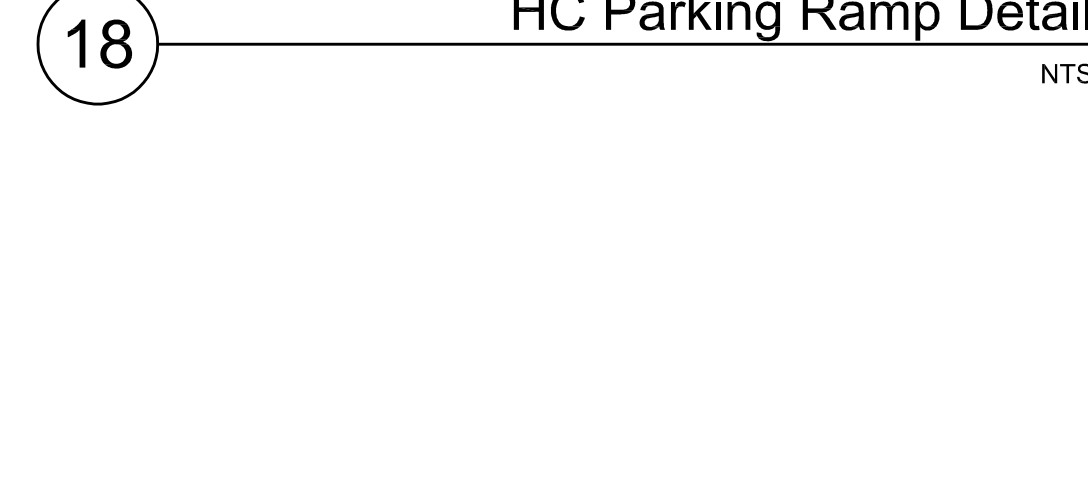
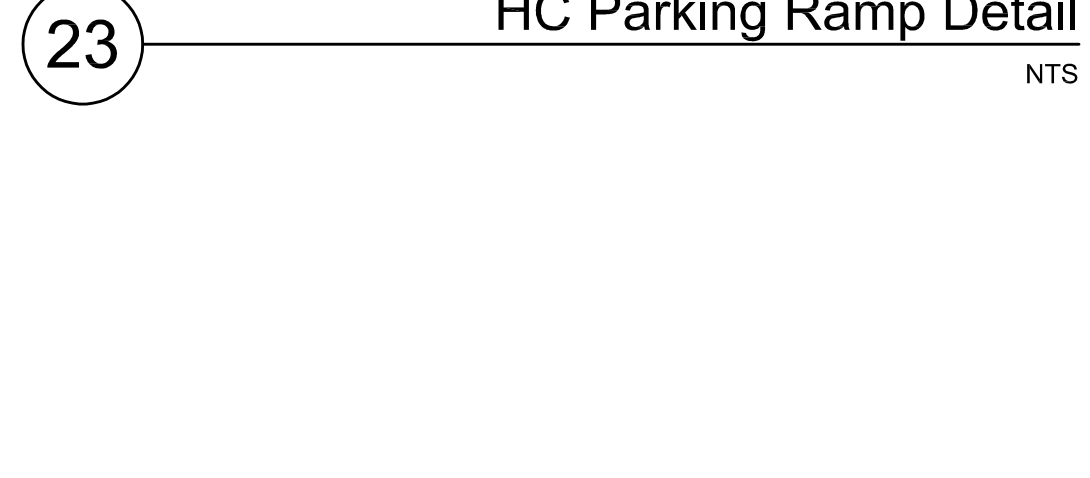
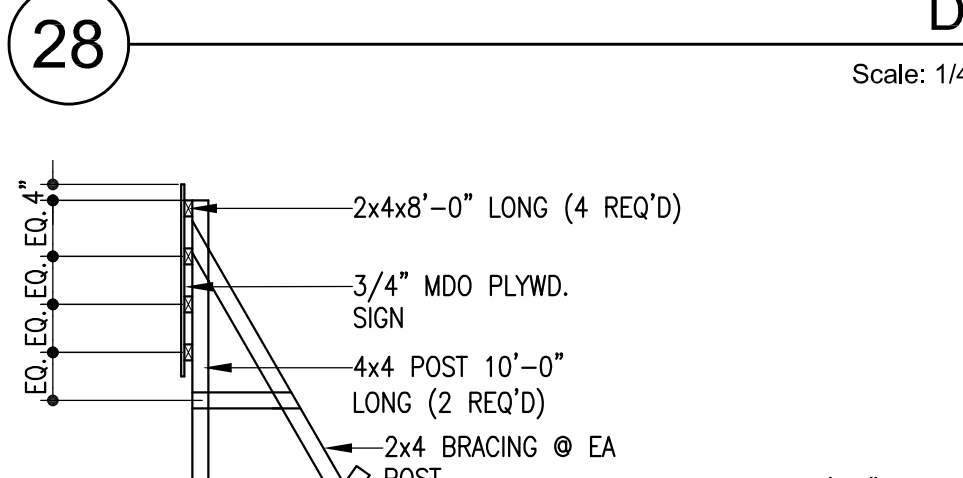
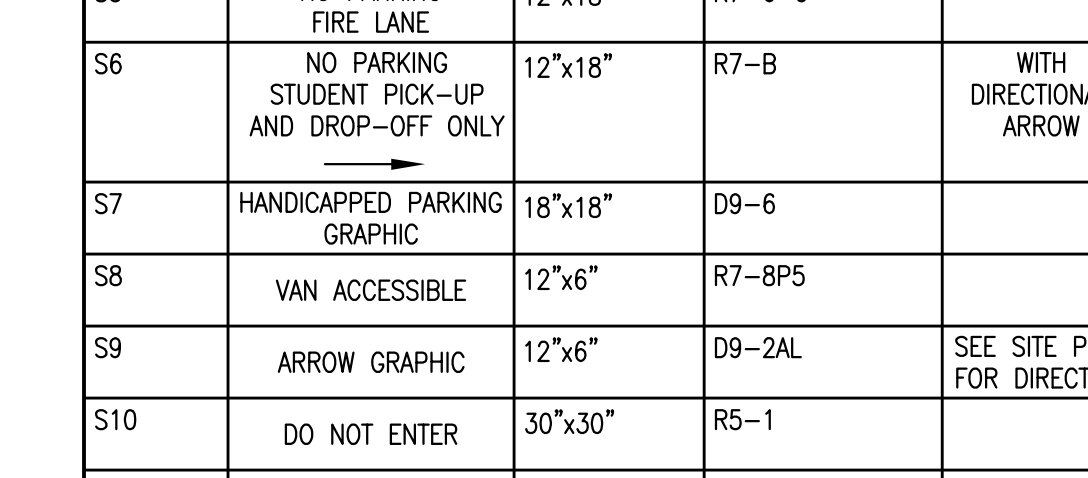
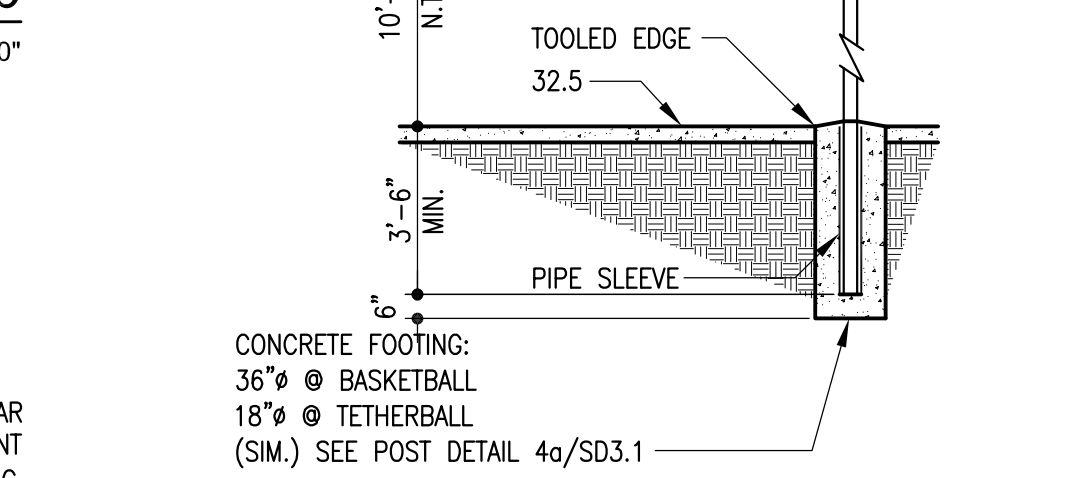
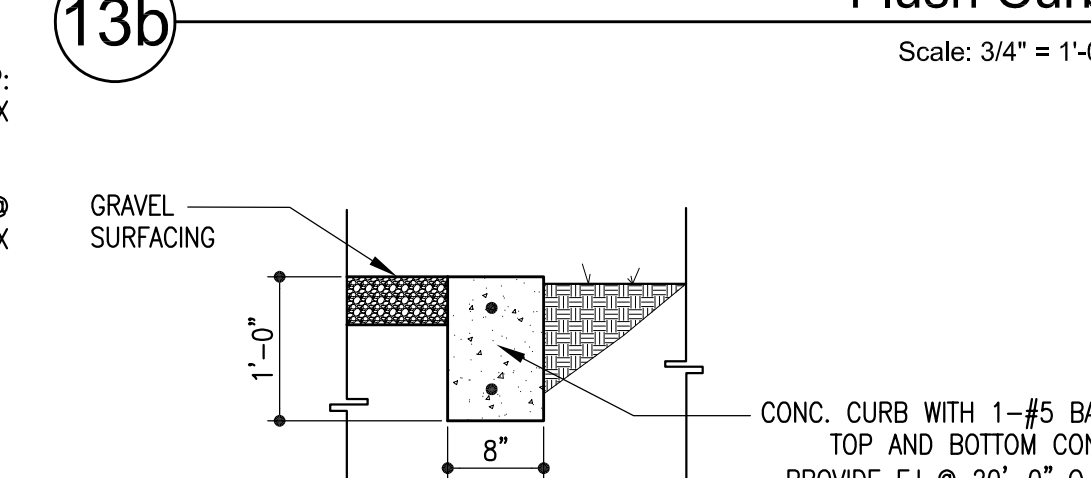
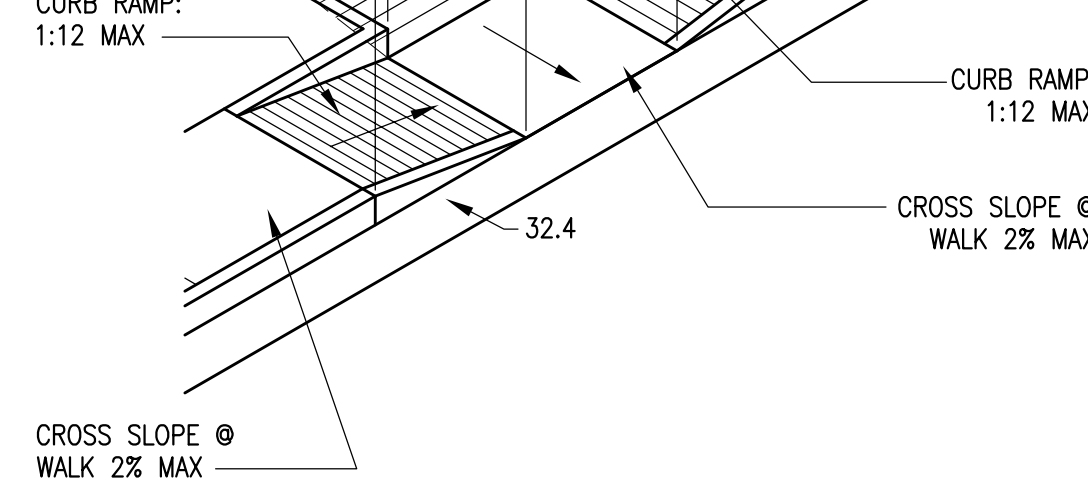
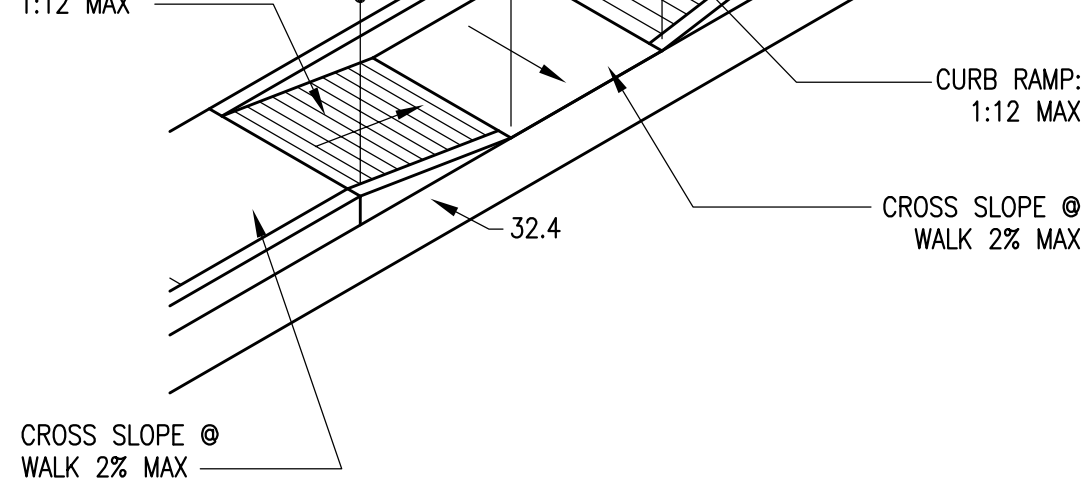
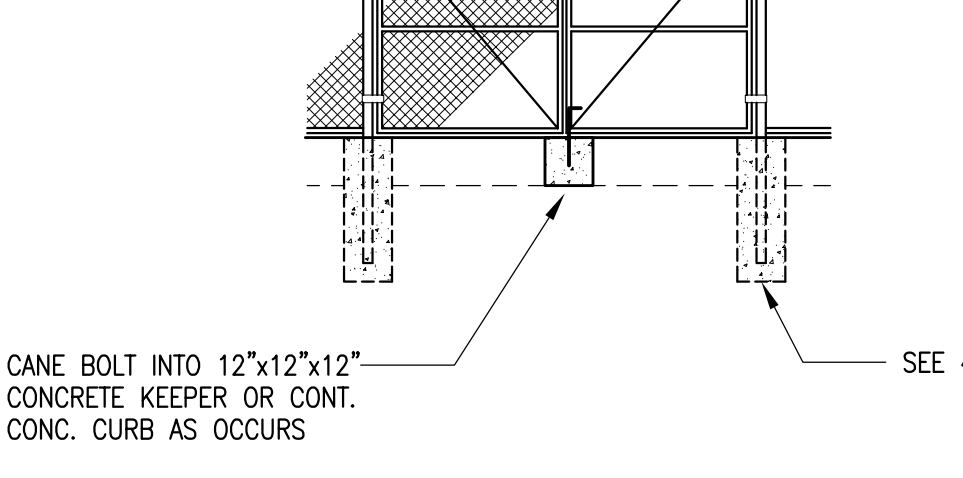
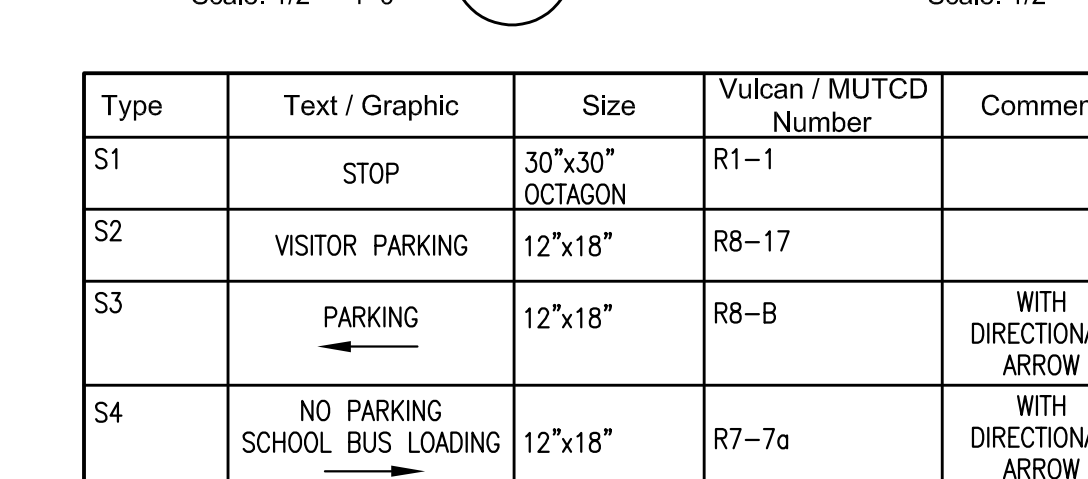
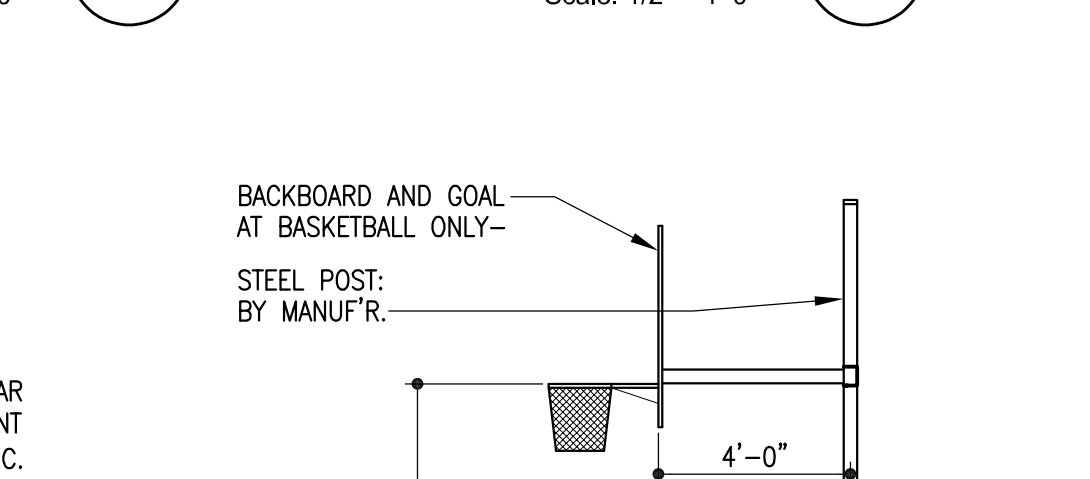
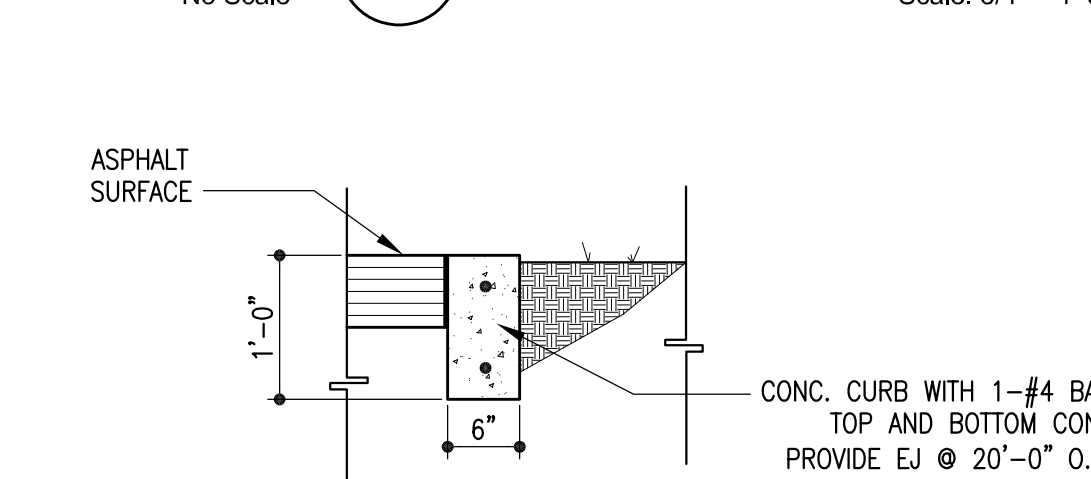
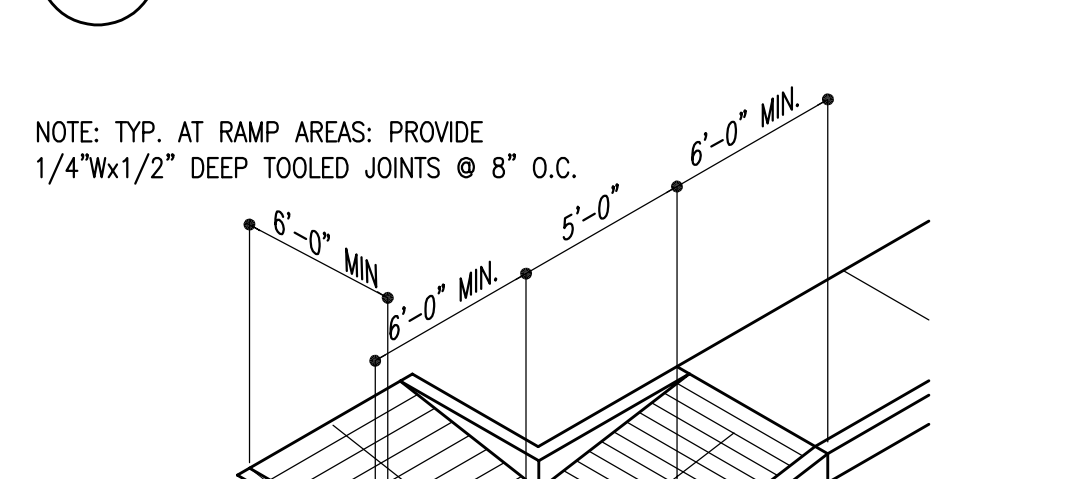
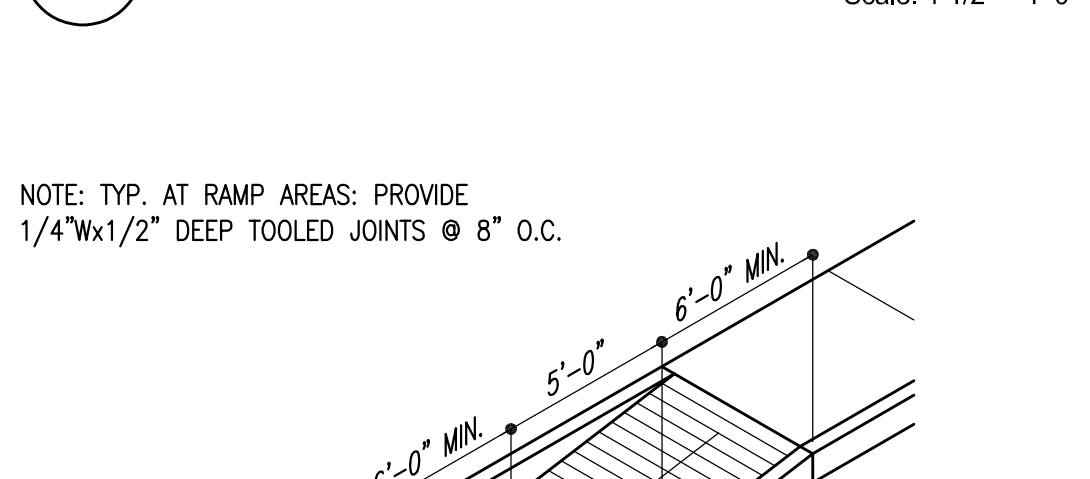
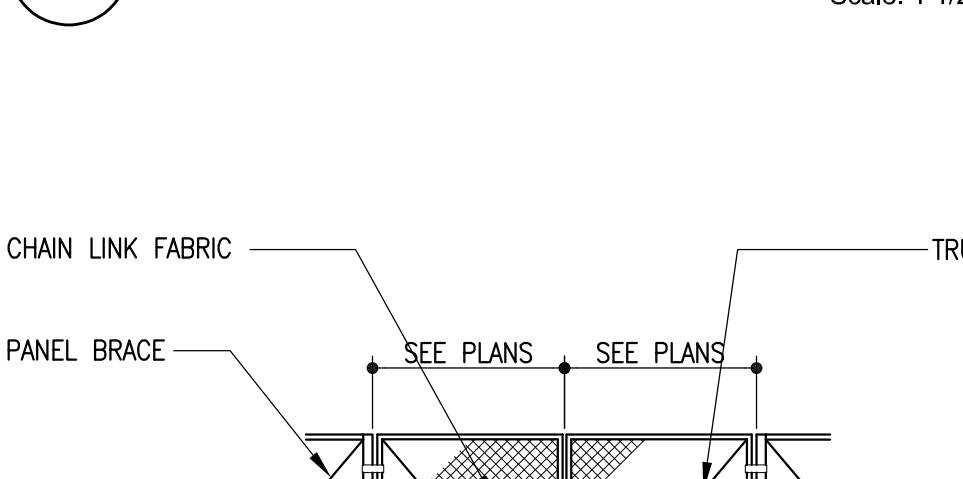
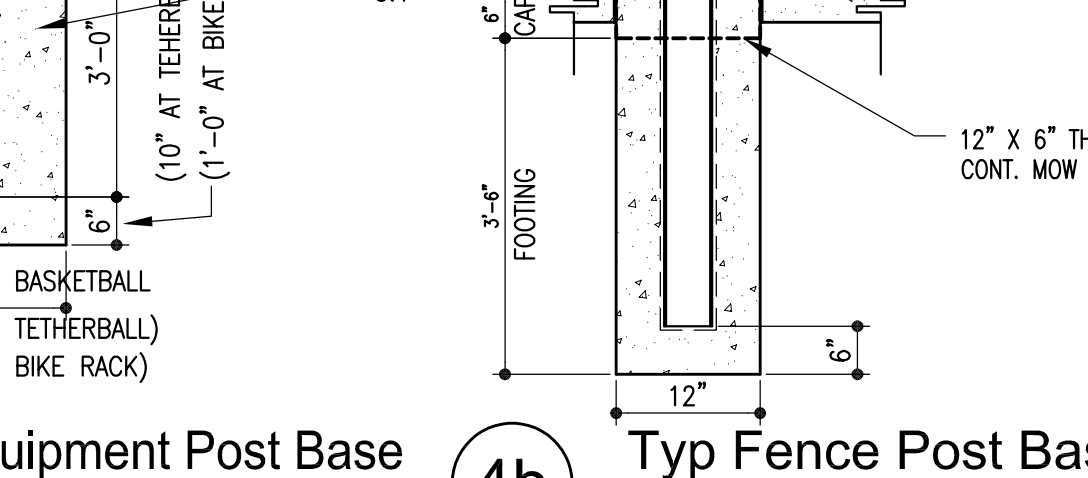
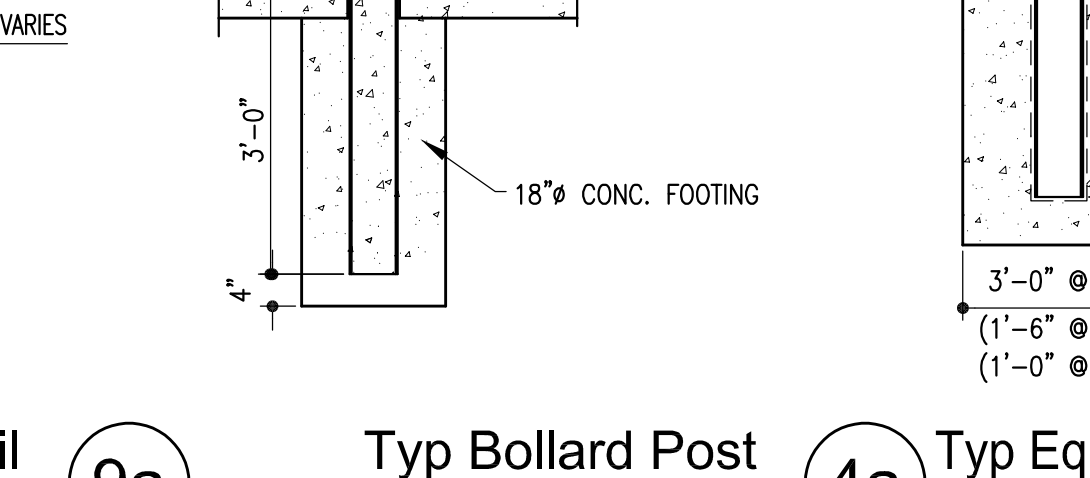
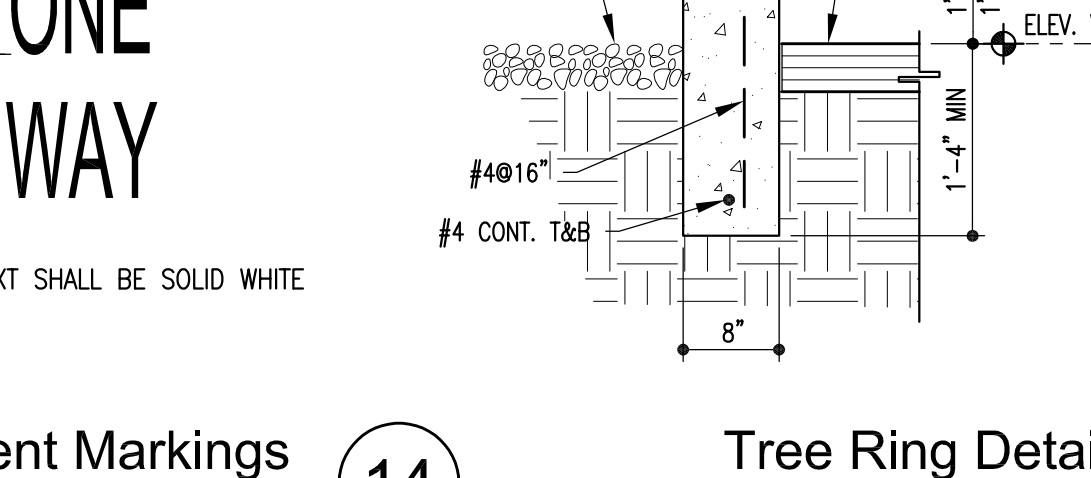
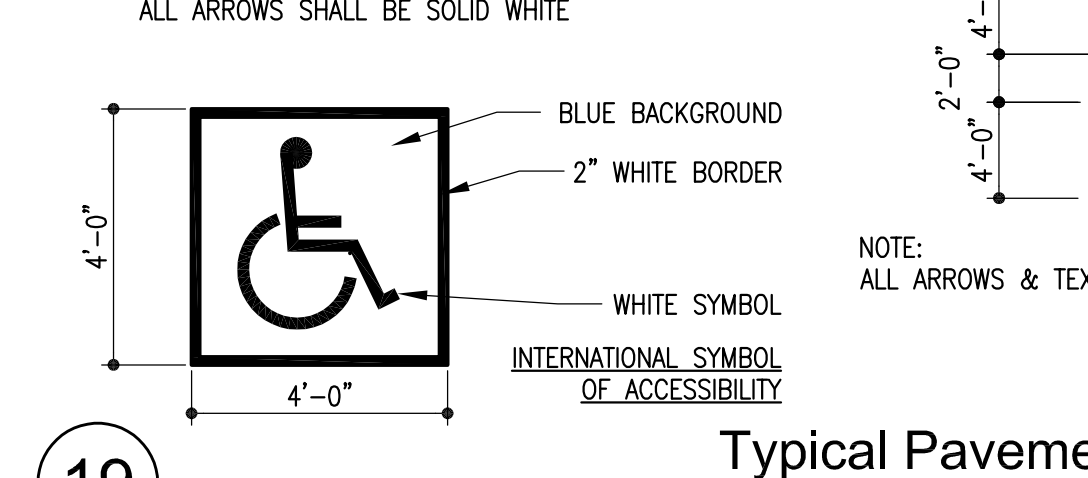
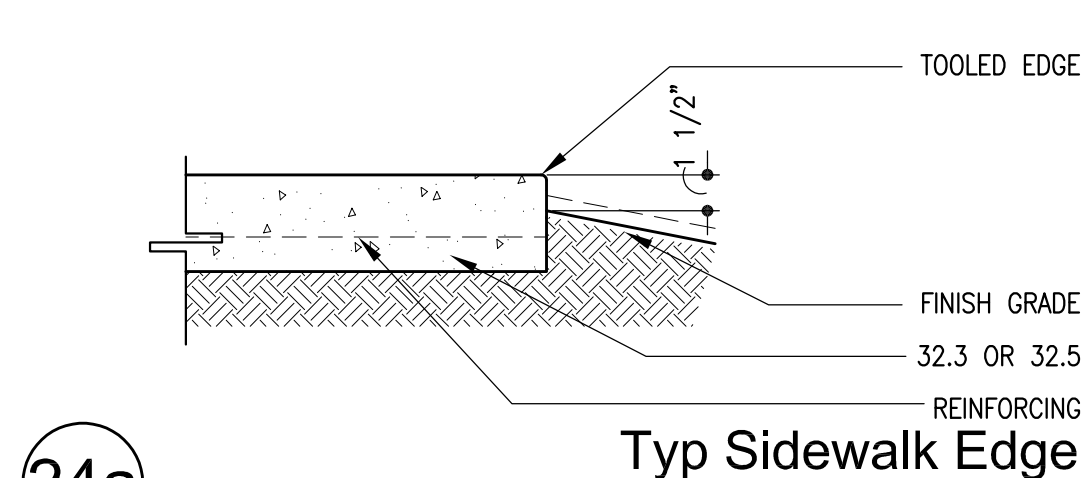
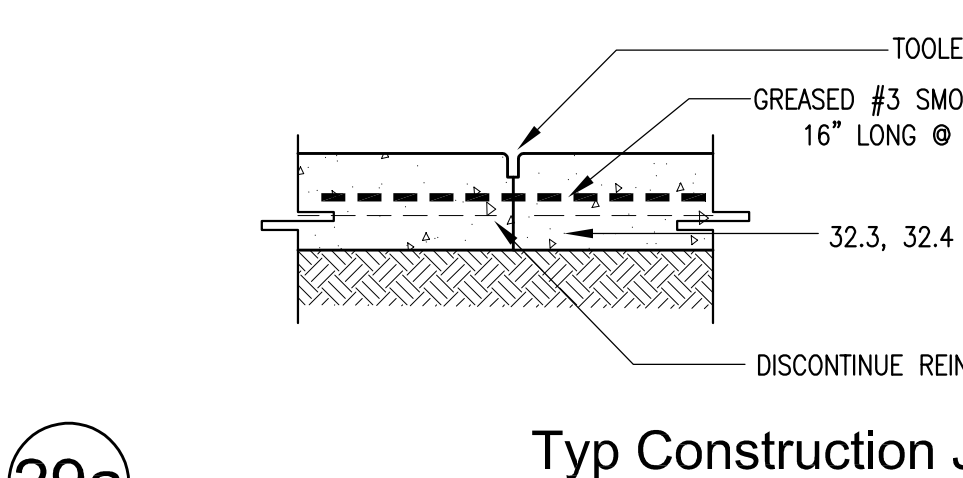
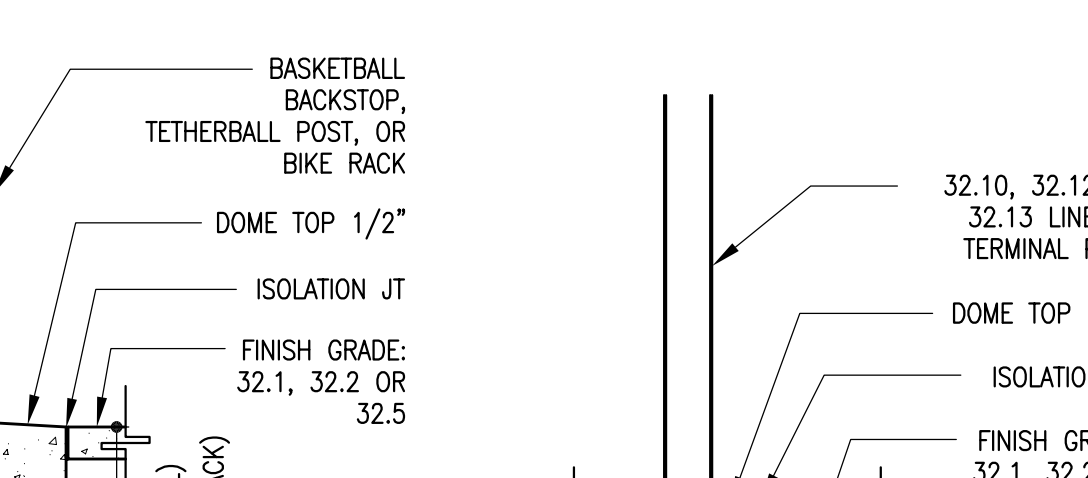
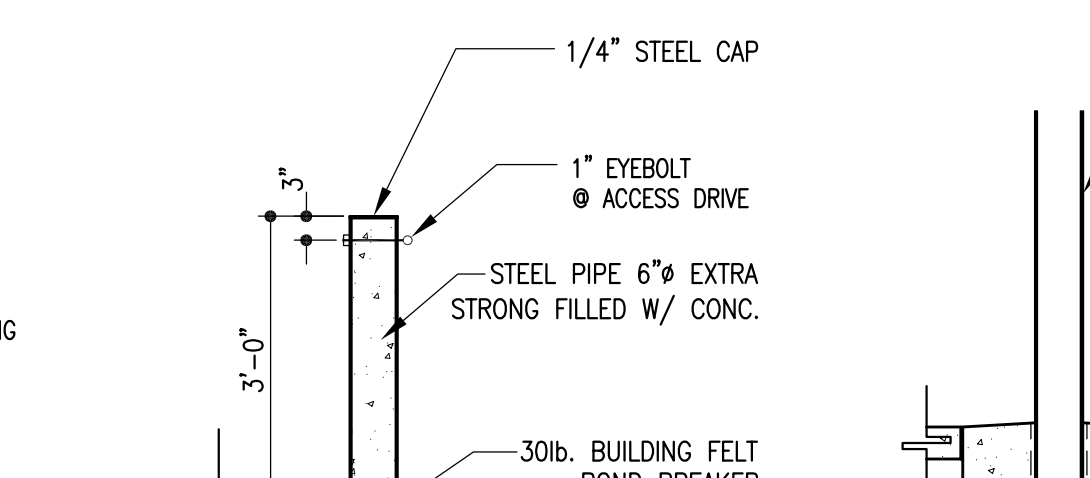
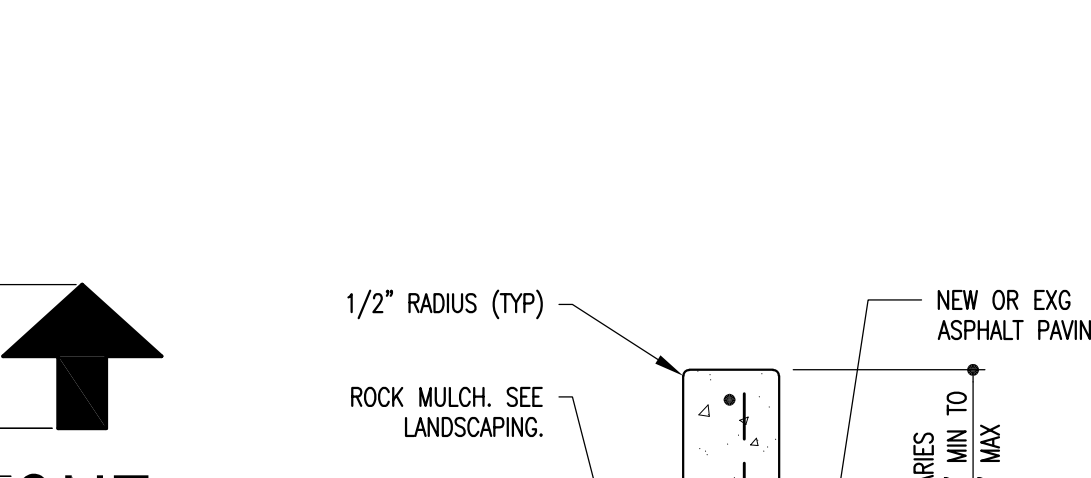
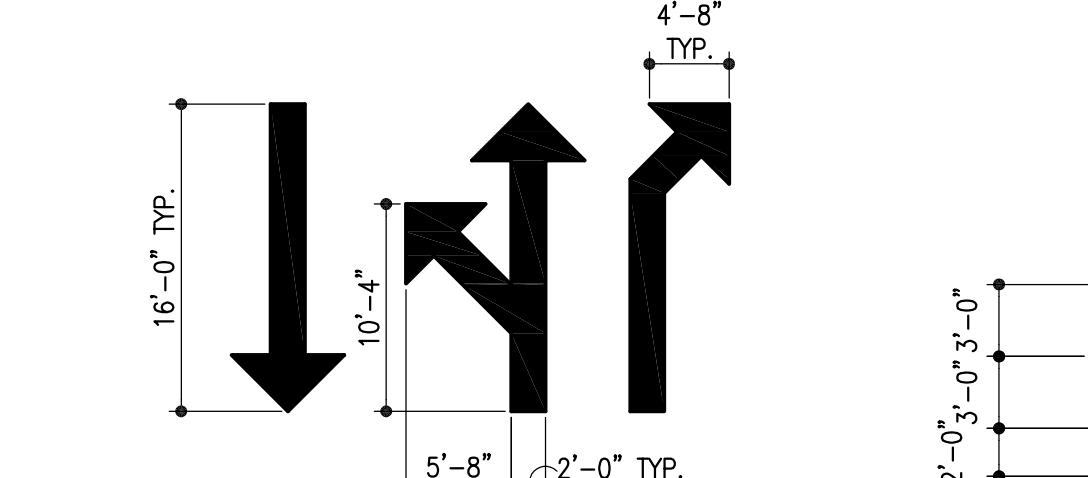
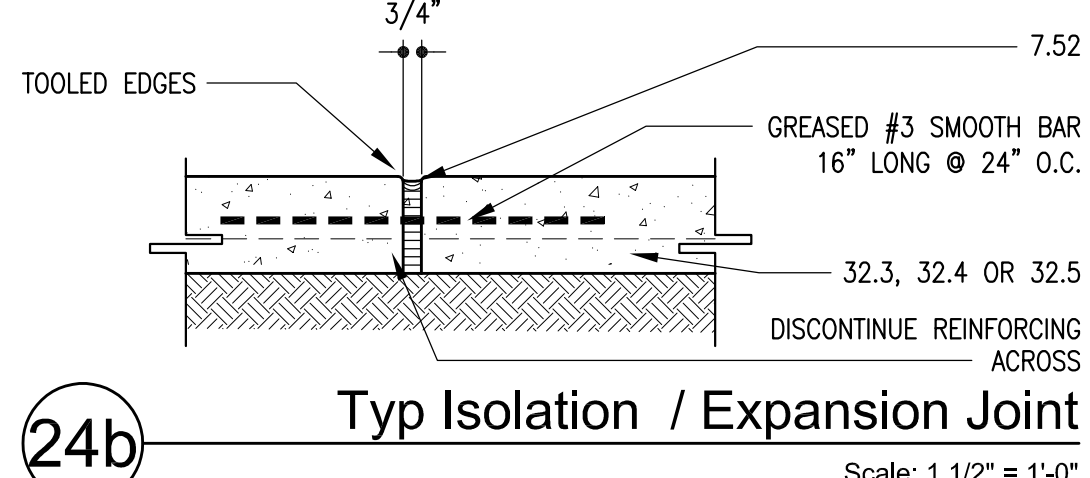
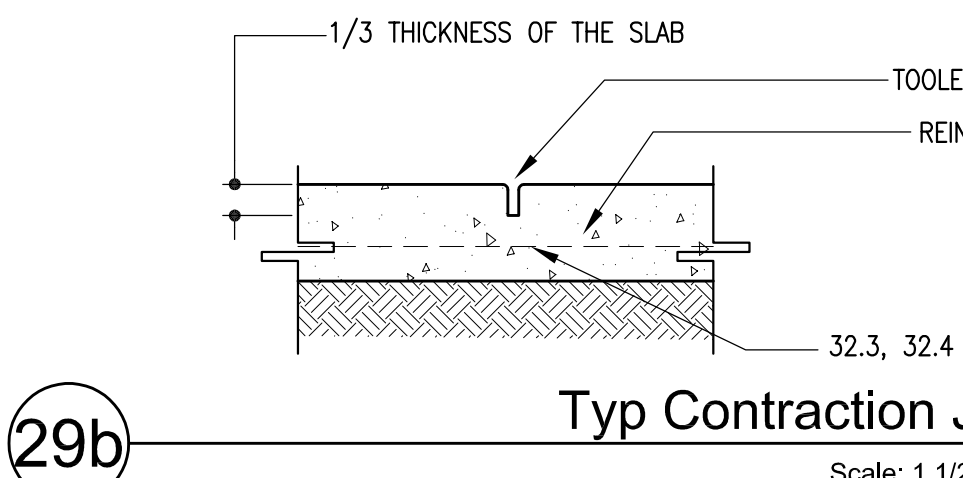
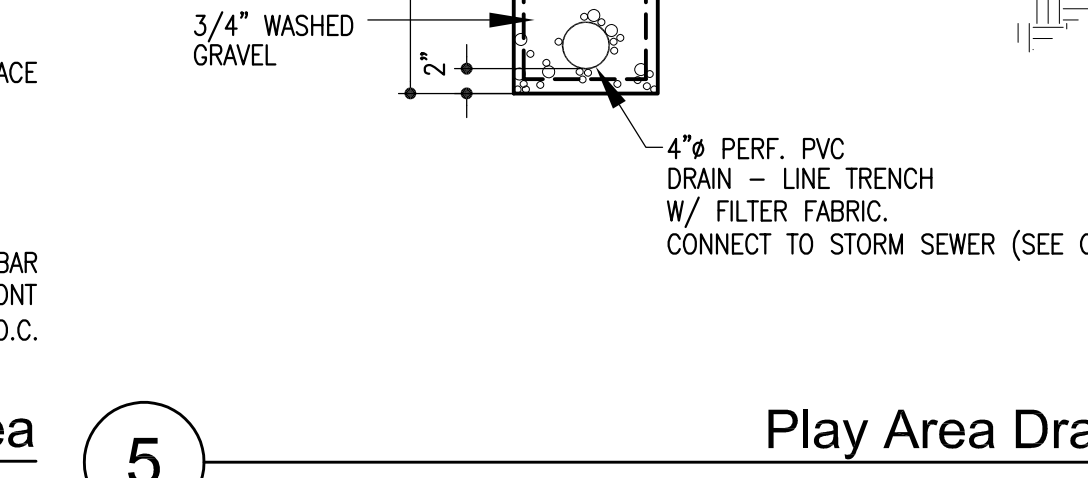
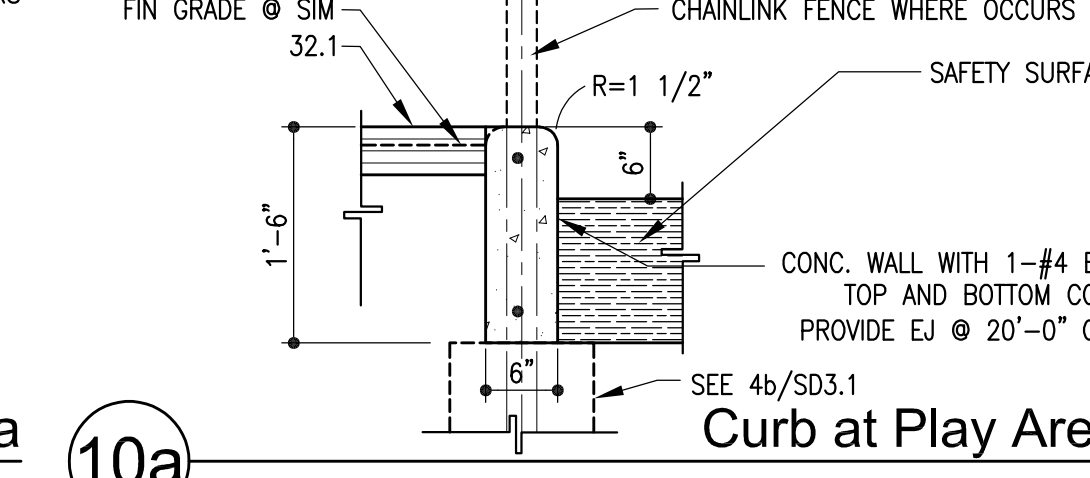
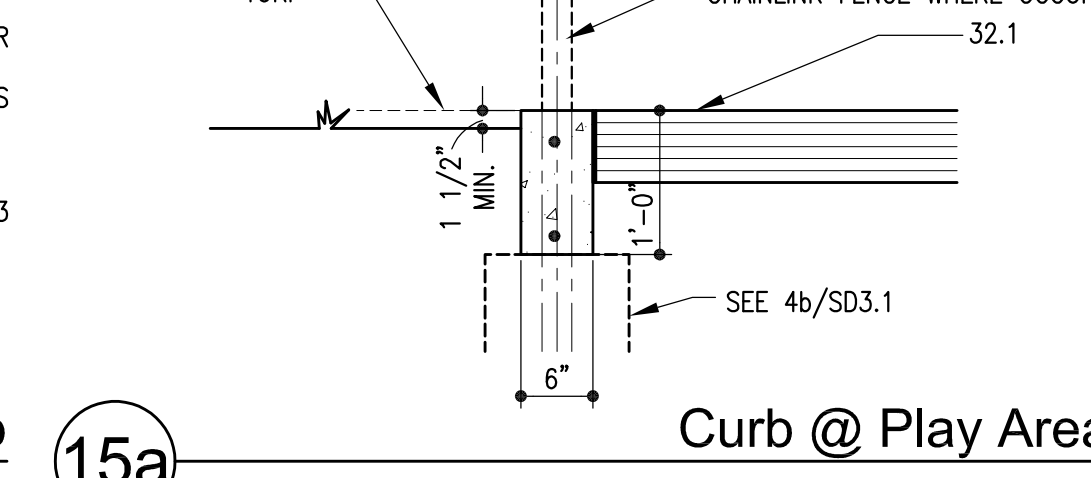
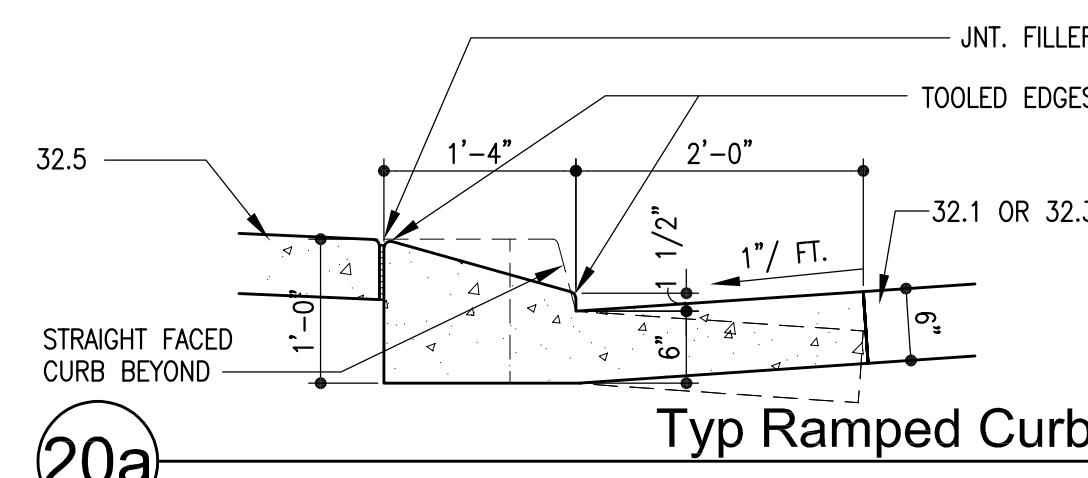
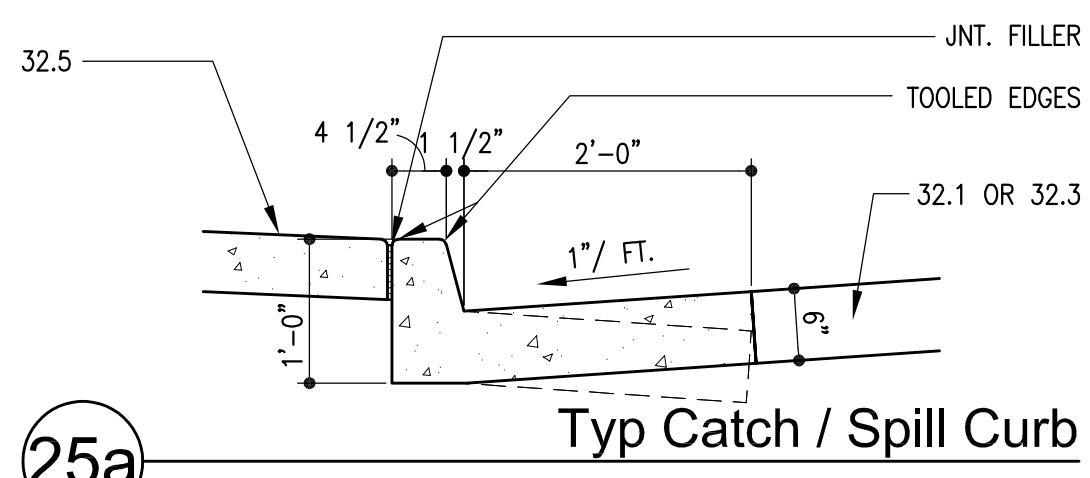
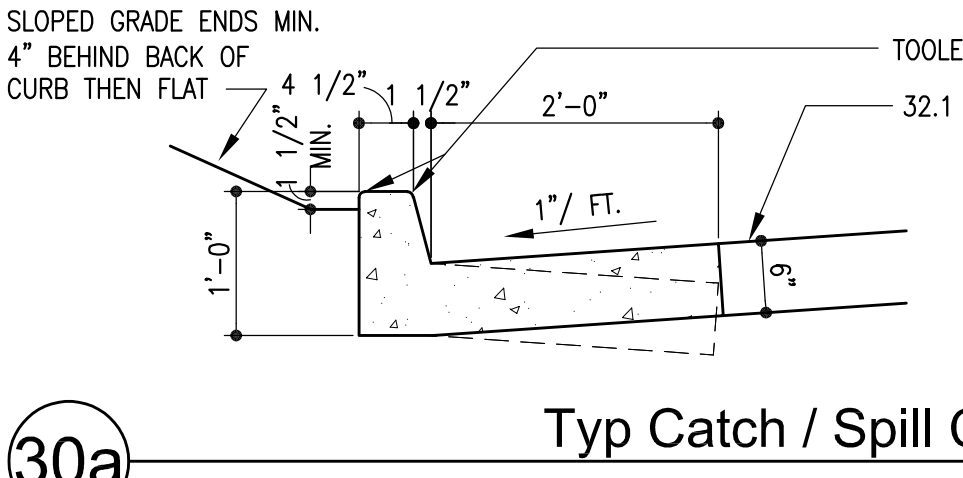
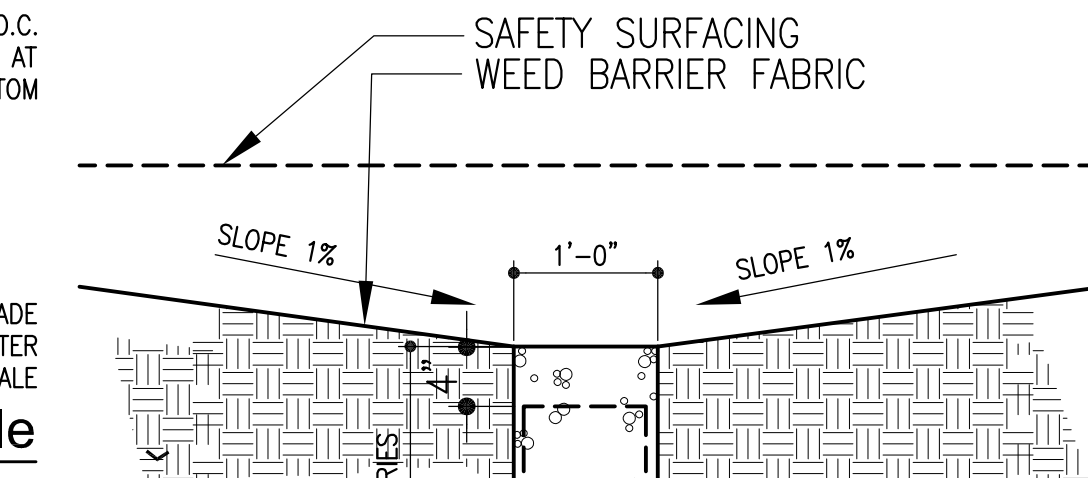
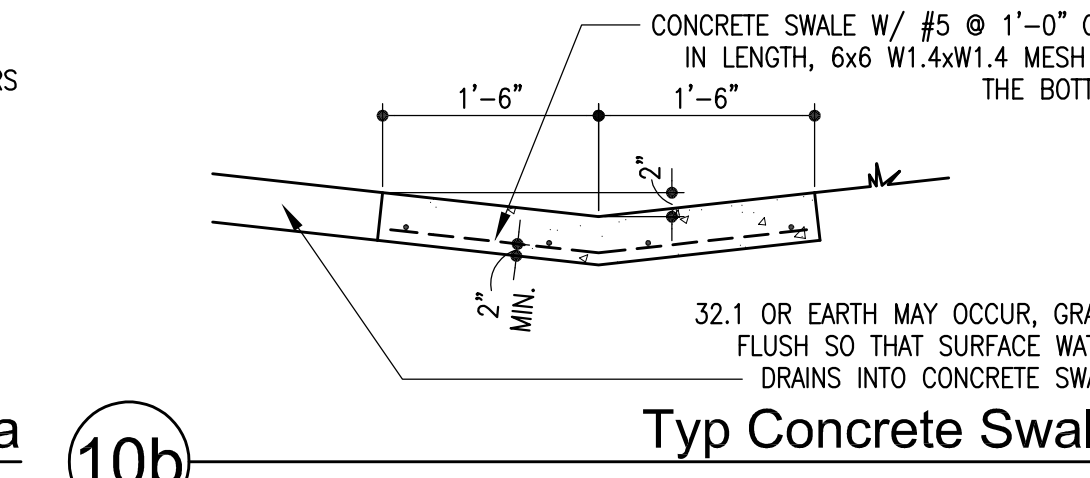
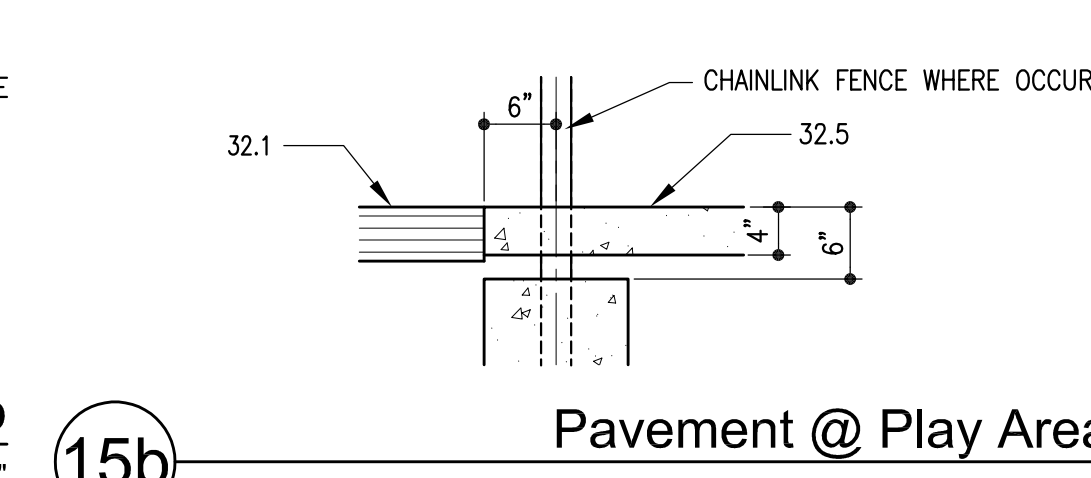
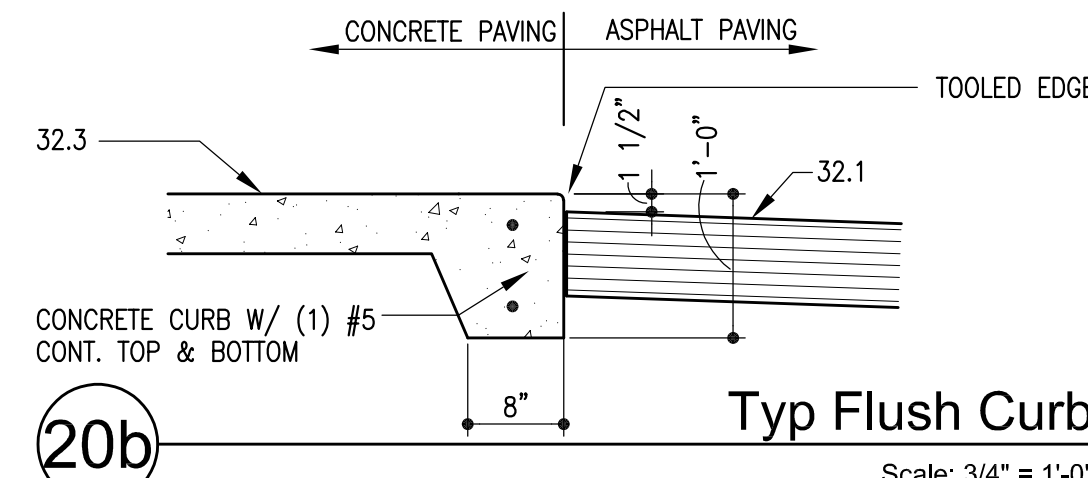
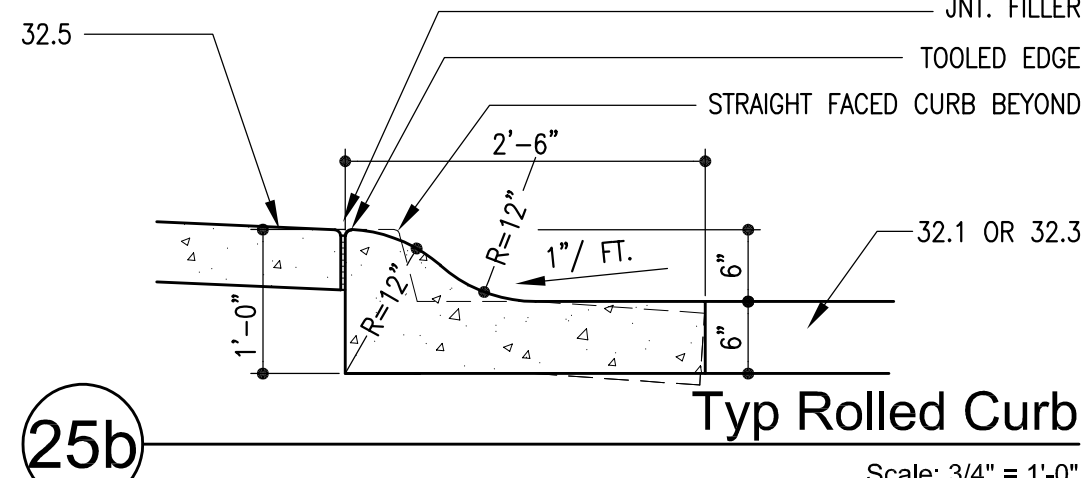
SD2.1

Project No. 21-003
The LKA Partners Incorporated

Enlarged Site Development Plan
Scale: 1" = 20'

Curb and Gutter General Notes

1. PROVIDE EJ AT EACH END OF CURB AND DIRECTIONAL CHANGES
2. CATCH OR SPILL GUTTER TO MATCH THE SLOPE OF ADJACENT PAVEMENT



Key Notes List

3.1 CONG FOUNDATION	9.2 ACoustical PLASTER
3.2 CONG GRADE BEAM	9.3 VENEER
3.3 CONG SLAB	9.4 ACrylic THIN
3.4 UNDERSLAB GAVOL	9.5 PORTLAND CEMENT
3.5 UNDERSLAB VAPOR	9.6 DRYWALL STUD
3.6 UNDERSLAB VAPOR	9.7 ACoustical INSUL
3.7 BUTTER LAMBER	9.8 GYPSUM BOARD
3.8 CONG COLUMN	9.9 ABSL. RESISTANT
3.9 CONG BEAM	9.10 WATER RESISTANT
3.10 PRECAST CONG COL	9.11 GYPSUM SHEATING
3.11 PRECAST CONG BEAM	9.12 PARTIAL SYSTEM
3.12 PRECAST CONG WALL PANEL	9.13 GYPSUM BOARD
3.13 PRECAST CONG DOUBLE TEE	9.14 SUPPLEMENT
3.14 CONG SPLASH BLOCK	9.15 ACoustical TILE
3.15 1/2" LIGHT CONG	9.16 QUARRY TILE
3.16 3/8" CONG BR	9.17 CERAMIC TILE BASE
3.17 WELDED WIRE FABRIC	9.18 PORCELAN TILE
3.18 PREMOULDED JOINT FILLER	9.19 WOOD FLOOR
3.19 WATERSTOP	9.20 POLYETHYLENE W/ FILTER FABRIC
3.20 WATERSTOP	9.21 WEIGHT ROOM FLOORING
3.21 CMU	9.22 WEIGHT ROOM FLOORING
3.22 CMU-SOLID UNIT	9.23 VINYL COMPOSITION
3.23 SHEET VINYL FLOORING	9.24 SHEET VINYL FLOORING
3.24 CMU-SOLID UNIT	9.25 STOMES FLOWLED FLOORING
3.25 CMU-SOLID UNIT	9.26 STOMES FLOWLED FLOORING
3.26 FACE BRICK	9.27 BRICK
3.27 GLASS BLOCK	9.28 RUBBER BASE
3.28 GROUT FILL	9.29 CONG STAIR SHT
3.29 MASONRY ANCHOR	9.30 MASONRY ANCHOR
3.30 MASONRY ANCHOR	9.31 MASONRY ANCHOR
3.31 MASONRY ANCHOR	9.32 ACoustical WALL PANEL
3.32 MASONRY ANCHOR	9.33 TACKABLE WALL PANEL
3.33 MASONRY ANCHOR	9.34 PAINT
3.34 MASONRY ANCHOR	10.1 METAL TOILET PARTITION
3.35 MASONRY ANCHOR	10.2 METAL TOILET PARTITION
3.36 MASONRY ANCHOR	10.3 METAL TOILET PARTITION
3.37 MASONRY ANCHOR	10.4 METAL TOILET PARTITION
3.38 MASONRY ANCHOR	10.5 METAL TOILET PARTITION
3.39 MASONRY ANCHOR	10.6 METAL TOILET PARTITION
3.40 MASONRY ANCHOR	10.7 METAL TOILET PARTITION
3.41 MASONRY ANCHOR	10.8 METAL TOILET PARTITION
3.42 MASONRY ANCHOR	10.9 METAL TOILET PARTITION
3.43 MASONRY ANCHOR	10.10 METAL TOILET PARTITION
3.44 MASONRY ANCHOR	10.11 METAL TOILET PARTITION
3.45 MASONRY ANCHOR	10.12 METAL TOILET PARTITION
3.46 MASONRY ANCHOR	10.13 METAL TOILET PARTITION
3.47 MASONRY ANCHOR	10.14 METAL TOILET PARTITION
3.48 MASONRY ANCHOR	10.15 METAL TOILET PARTITION
3.49 MASONRY ANCHOR	10.16 METAL TOILET PARTITION
3.50 MASONRY ANCHOR	10.17 METAL TOILET PARTITION
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4.00 MASONRY ANCHOR	10.67 METAL TOILET PARTITION

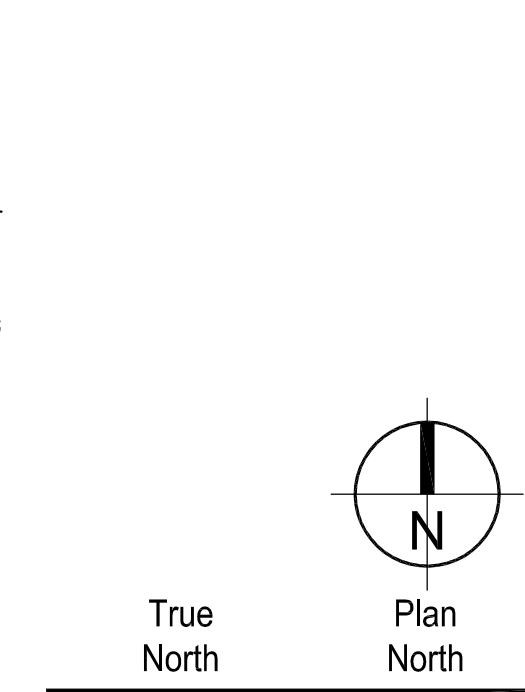
Webster Elementary School Addition and Alterations
445 Jersey Lane, Colorado Springs, CO 80911



Construction Documents

Drawn: TEK
Checked: JMS
Issued: 11 January 2022
Revised:

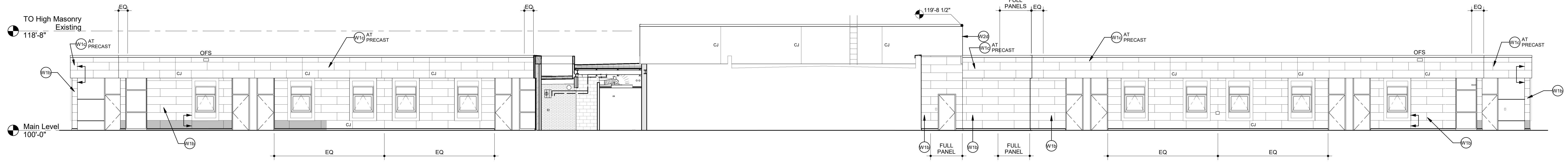
Area Key Plan



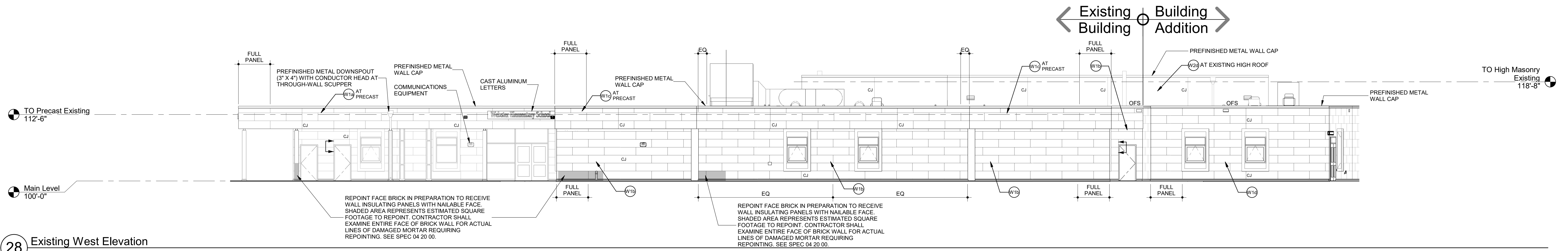
Site Details

SD3.1

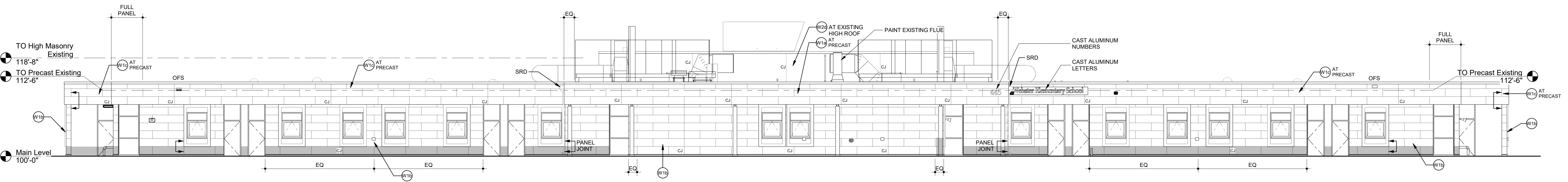
Project No. 21-003
The LKA Partners Incorporated



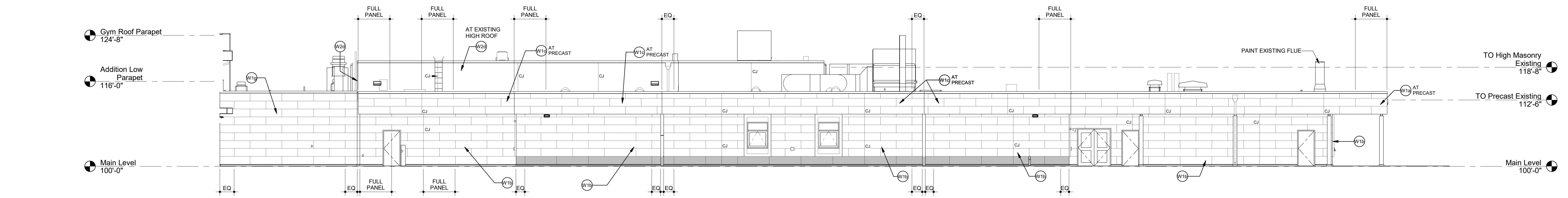
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28 Existing West Elevation
Scale: 1/8" = 1'-0"



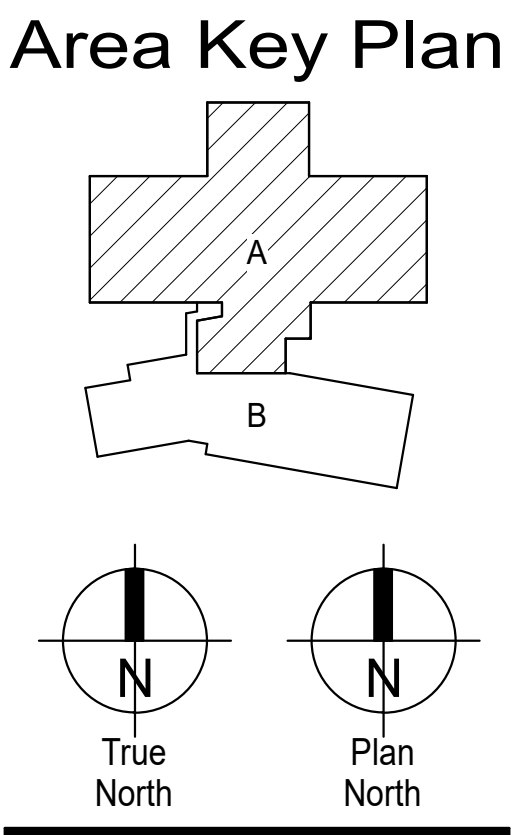
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26 Existing East Elevation
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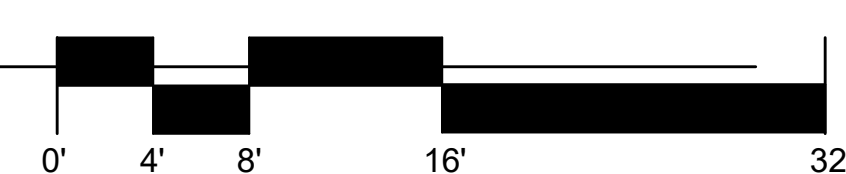
Construction Documents

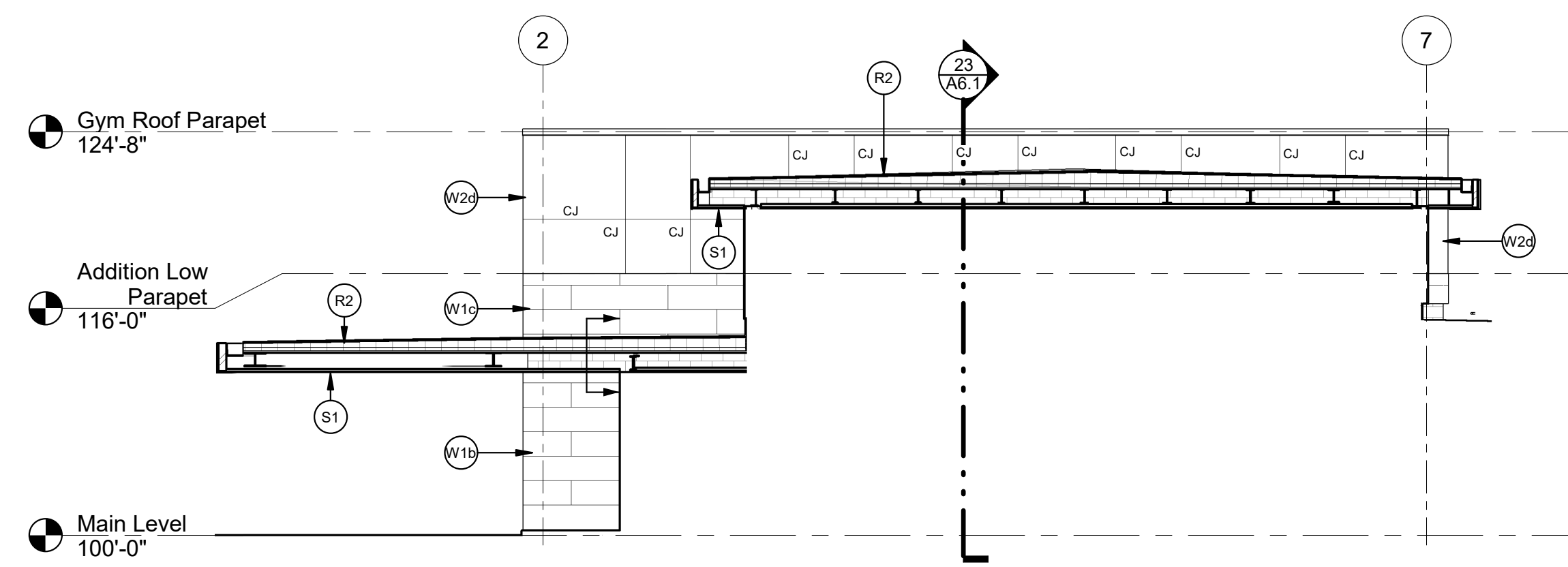
Drawn:	TAH
Checked:	JMS
Issued:	11 January 2022
Revised:	



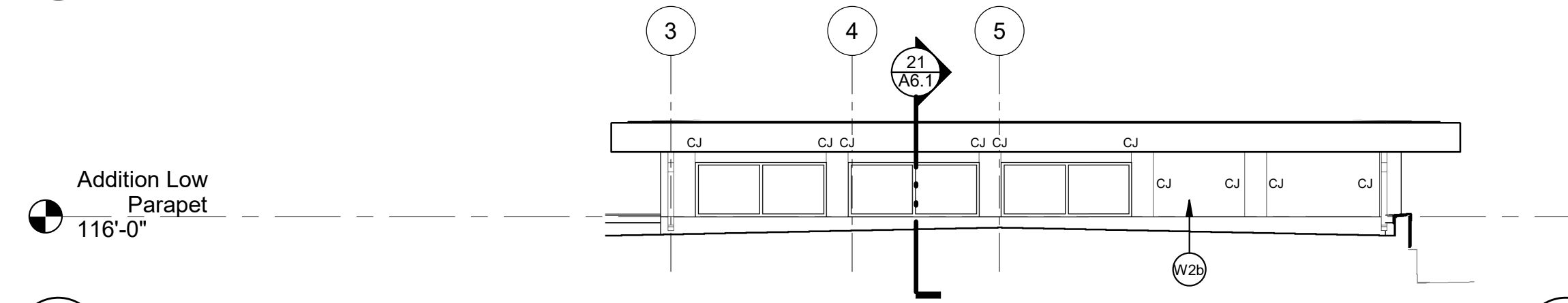
EXISTING BUILDING
EXTERIOR ELEVATIONS

1/11/2022 8:59:47 PM

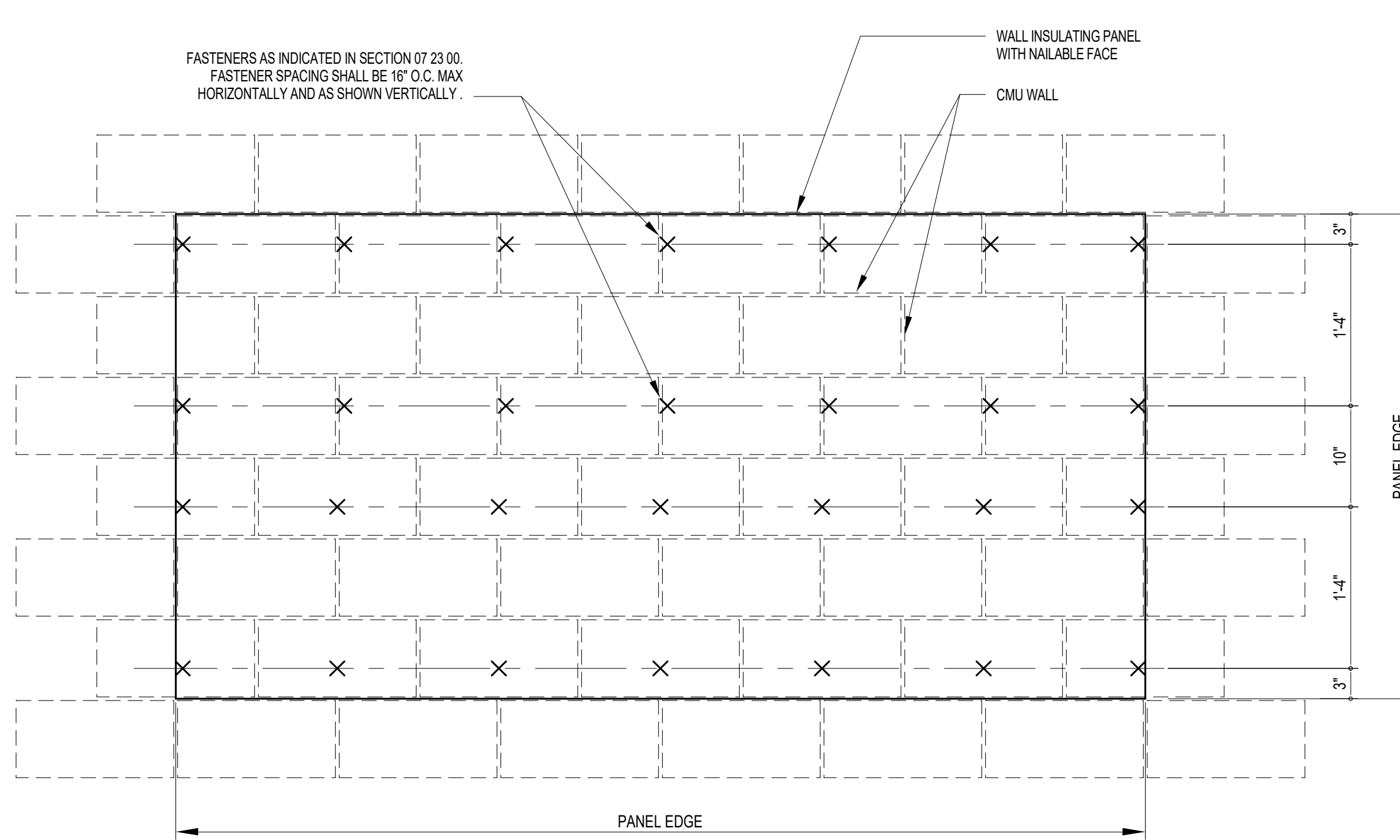




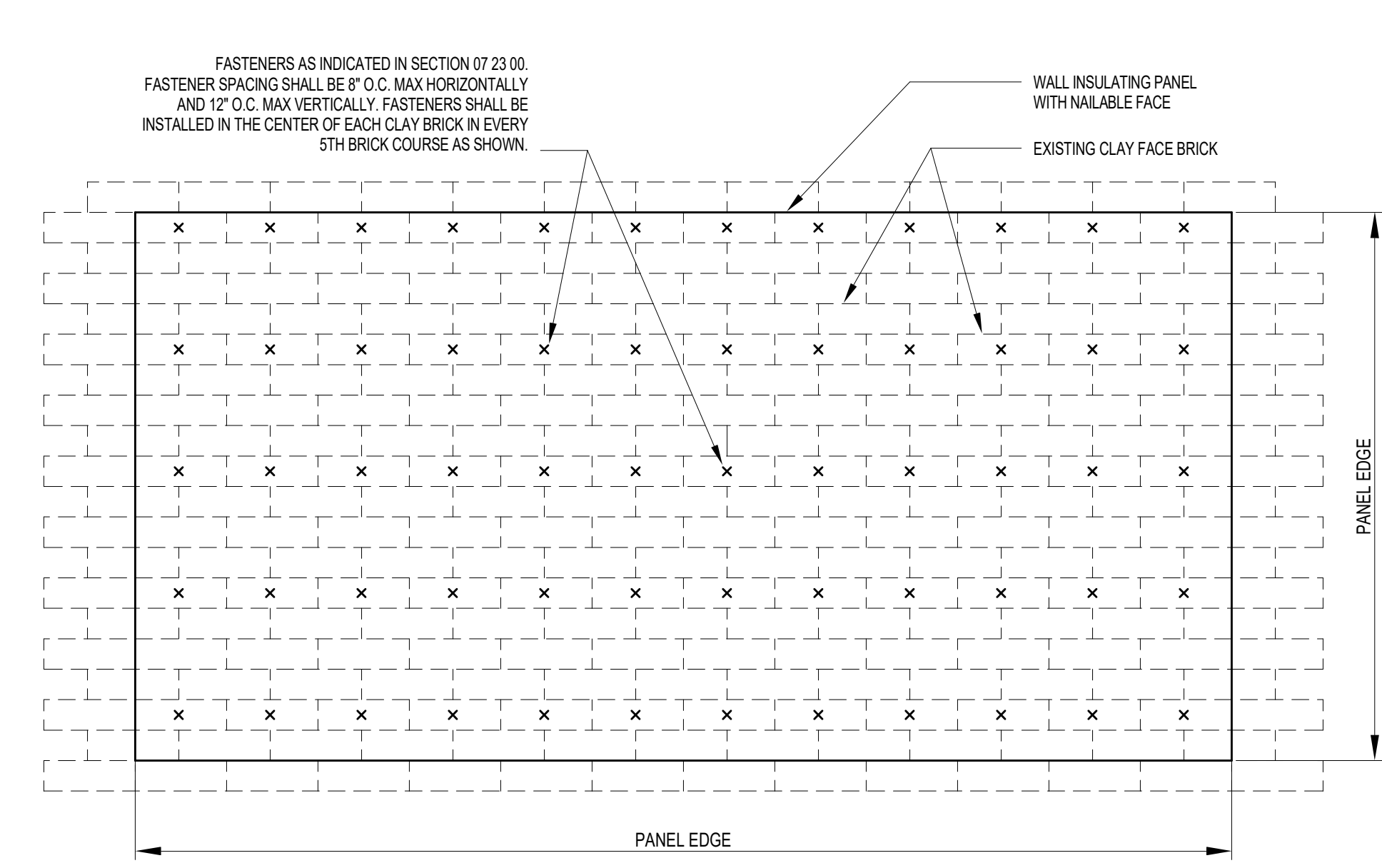
30 Addition Gym East Elevation
Scale: 1/8" = 1'-0"



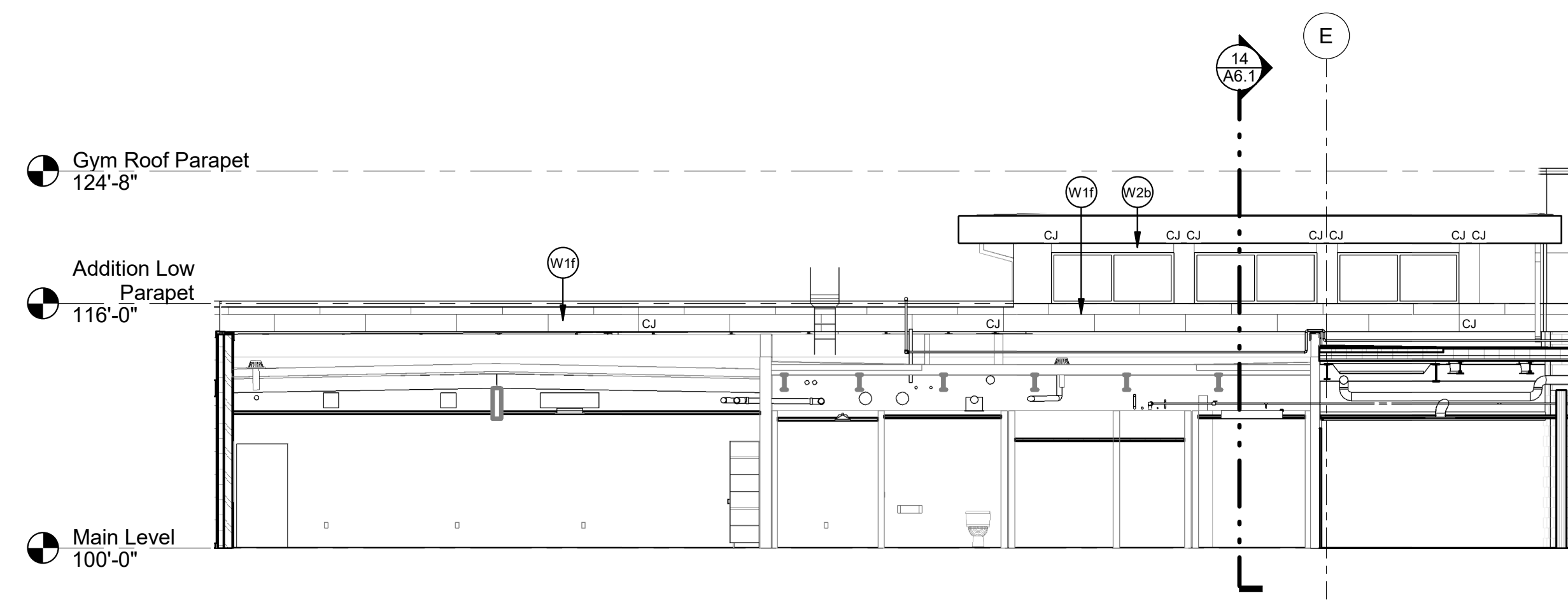
29 Addition Lobby South Elevation
Scale: 1/8" = 1'-0"



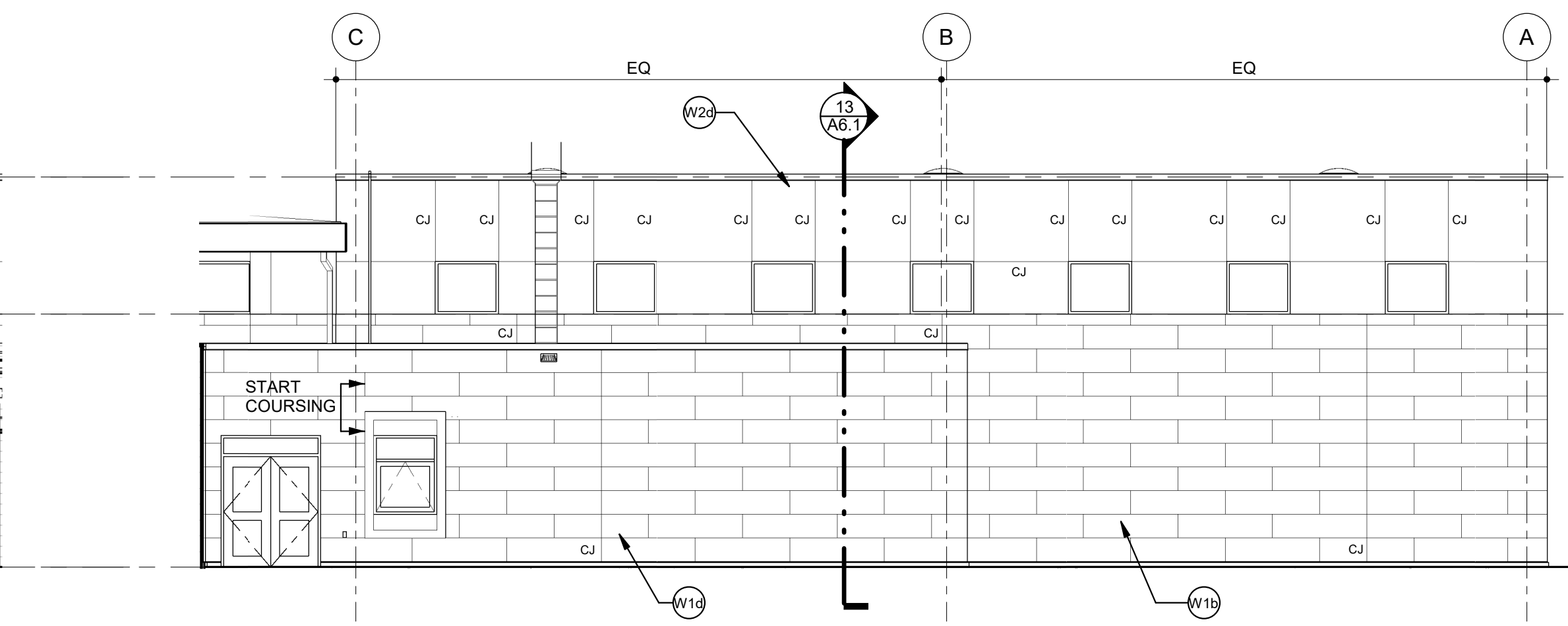
19 Anchor Pattern - Wall Insulating Panels with Nailable Face Over CMU
Scale: 1" = 1'-0"



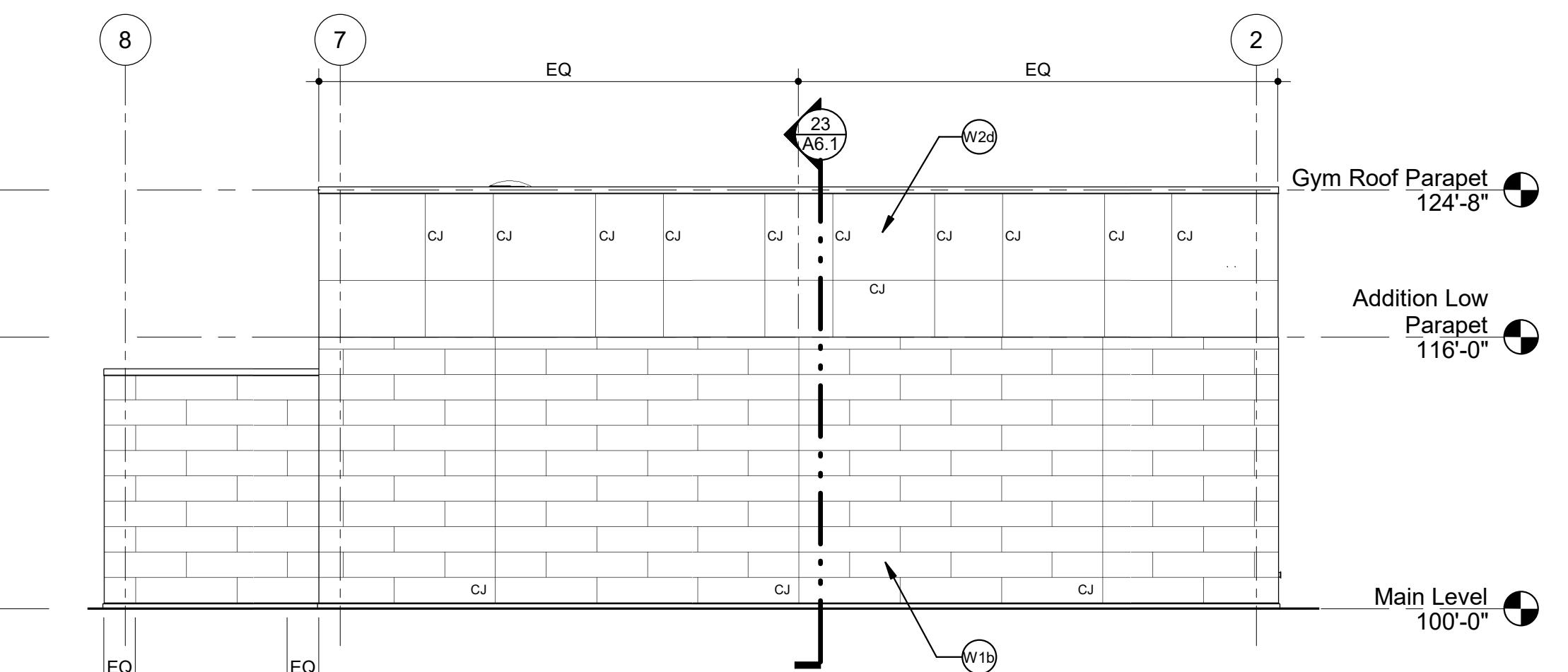
9 Anchor Pattern - Wall Insulating Panels with Nailable Face Over Existing Face Brick
Scale: 1" = 1'-0"



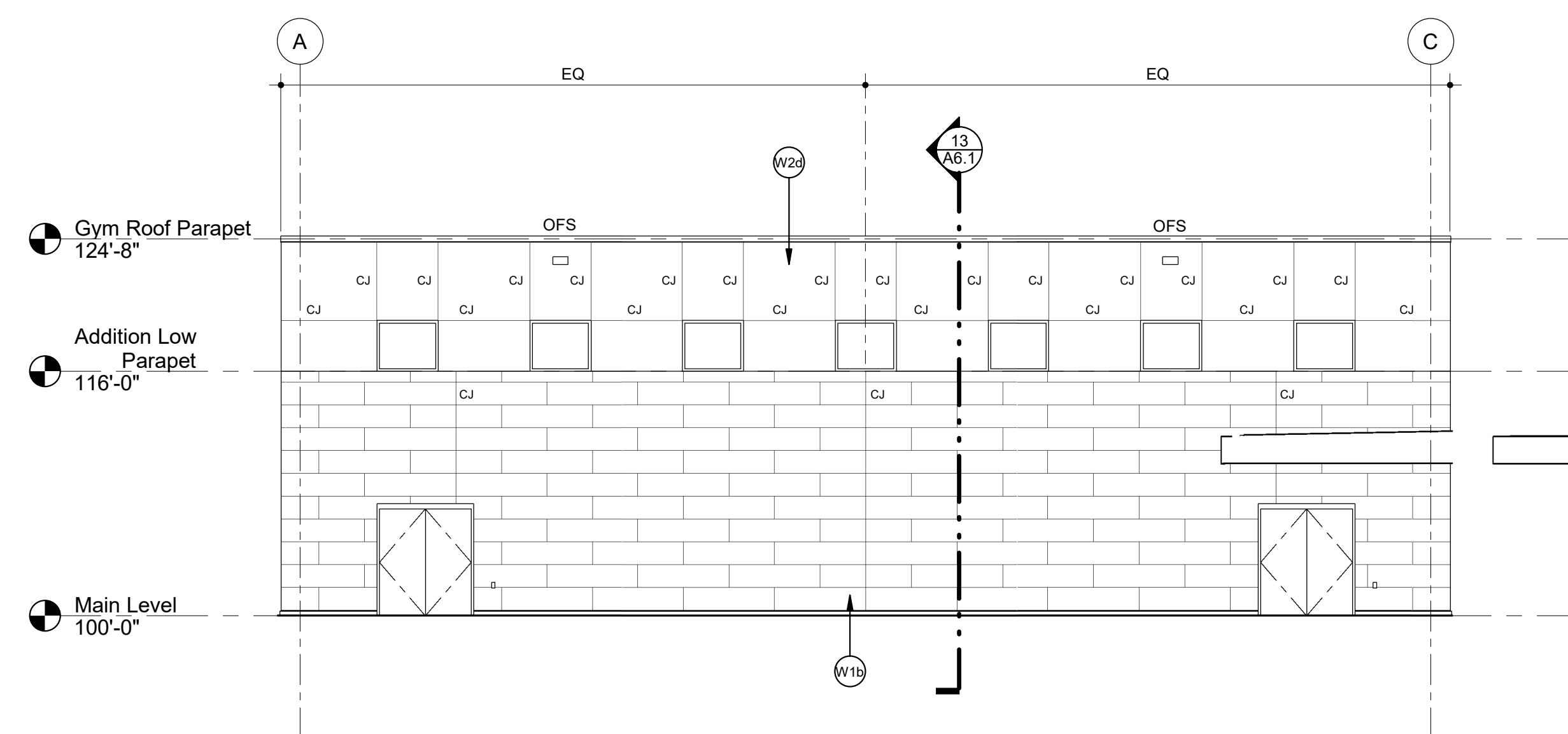
28 Addition Lobby & Classroom North Elevation
Scale: 1/8" = 1'-0"



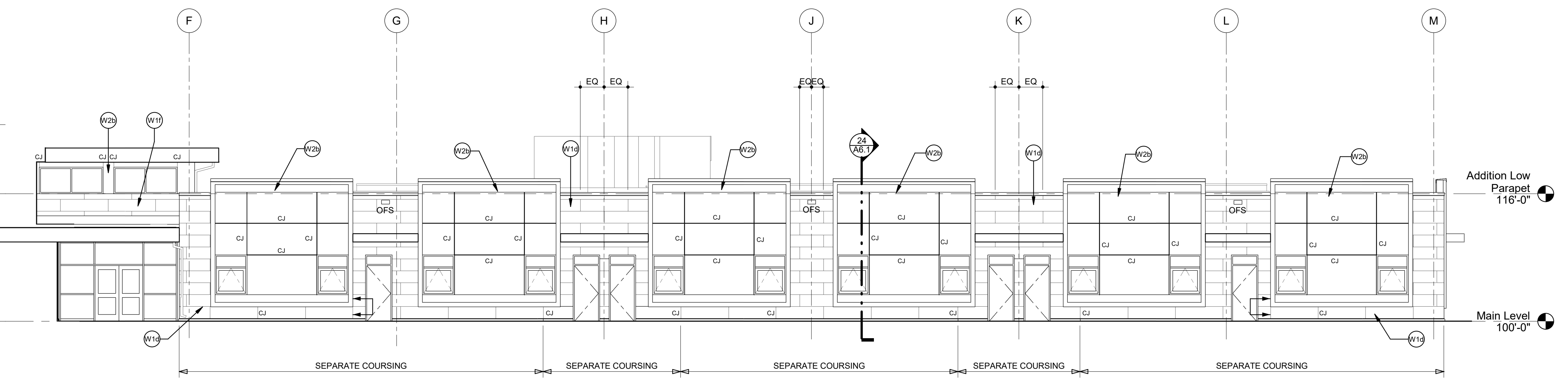
18 Addition Gym North Elevation
Scale: 1/8" = 1'-0"



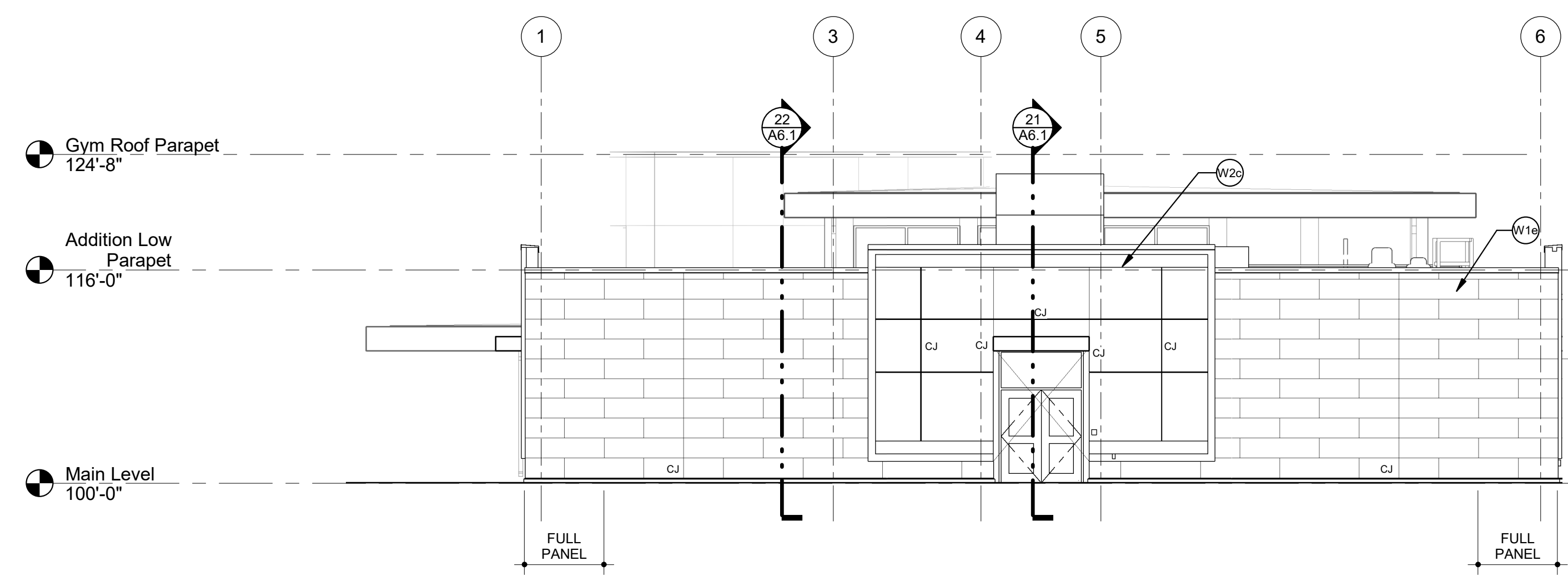
8 Addition Gym West Elevation
Scale: 1/8" = 1'-0"



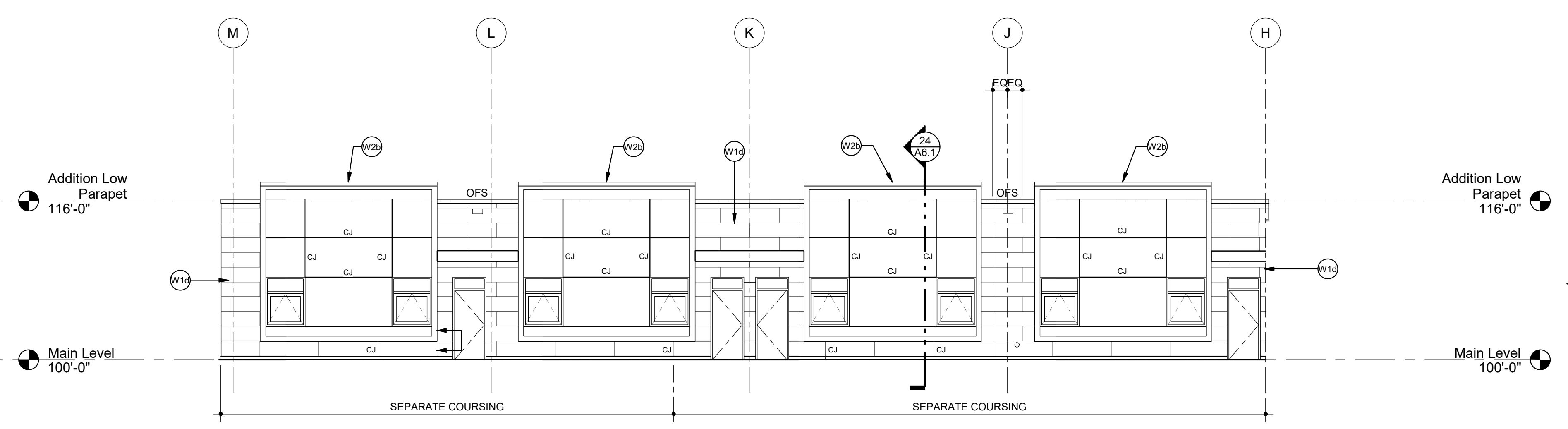
27 Addition Gym South Elevation
Scale: 1/8" = 1'-0"



17 Addition South Classroom Elevation
Scale: 1/8" = 1'-0"



26 Addition East Elevation Classroom
Scale: 1/8" = 1'-0"

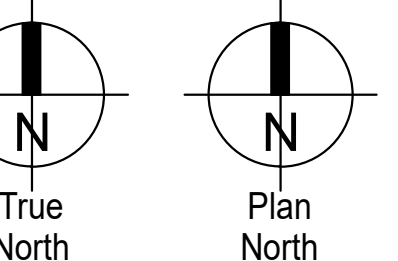
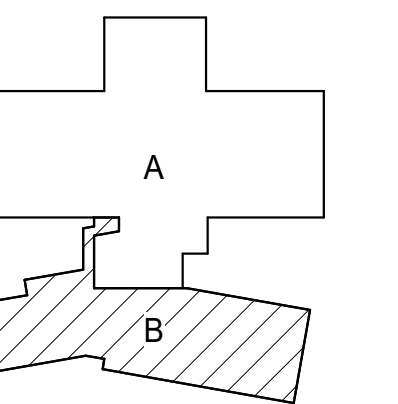


11 Addition North Classroom Elevation
Scale: 1/8" = 1'-0"

Construction Documents

Drawn: TAH
Checked: JMS
Issued: 11 January 2022
Revised:

Area Key Plan



ADDITION EXTERIOR ELEVATIONS

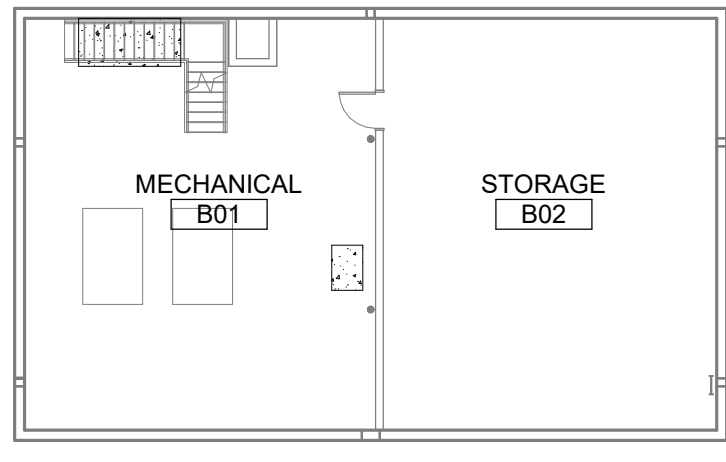
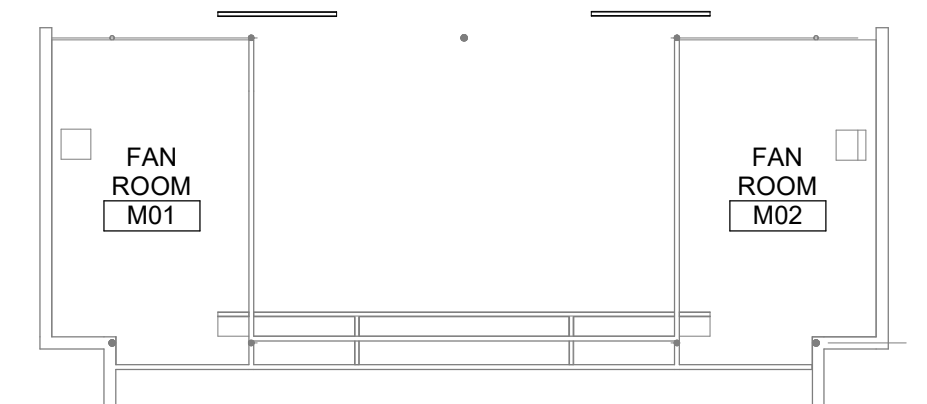
A5.2

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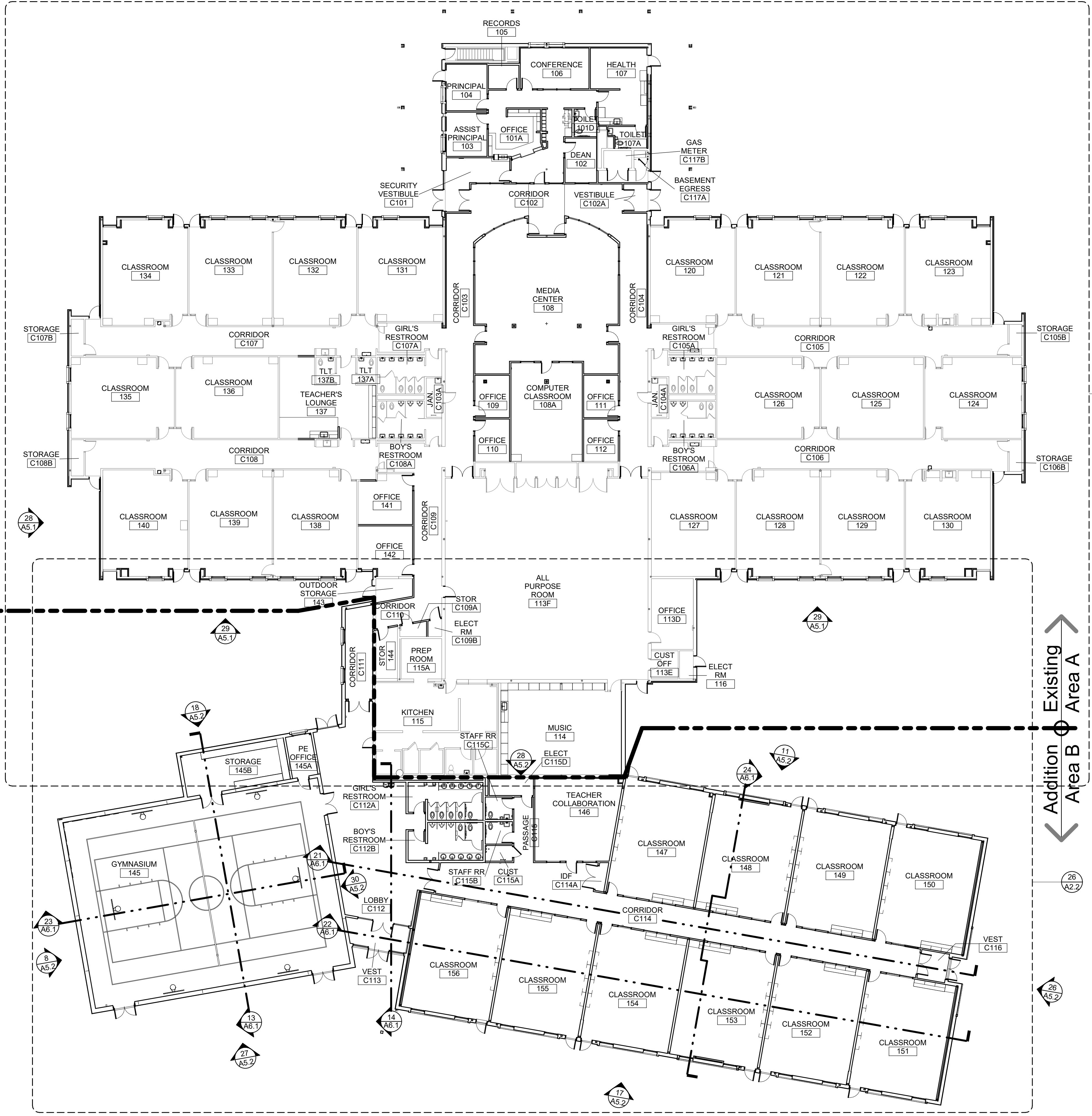
Key Note List

- | | |
|----------------------|-------------------------|
| 31 CONC FOUNDATION | 91 PORTLAND CEMENT |
| 32 CONC GIRDER BEAM | 92 ACUSTICAL |
| 33 CONC SLAB | 93 VENEER PLASTER |
| 34 UNDERSLAB GRAVEL | 94 ACUSTICAL THIN |
| 35 UNDERSLAB VAPOR | 95 PORTLAND CEMENT |
| 36 RETURNER | 96 STUCCO |
| 37 UNDERSLAB | 97 DRYWALL STUD |
| 38 BUTTERFLAYER | 98 ACUSTICAL INSUL |
| 39 CONC COLUMN | 99 GYPSUM BOARD |
| 40 CONC BEAM | 100 ABUSE RESISTANT |
| 41 CONC WALL | 101 GYPSUM BOARD |
| 42 PRECAST CONC COL | 102 WATER RESISTANT |
| 43 PRECAST CONC | 103 GYPSUM BOARD |
| 44 BEAM | 104 GYPSUM SHEATHING |
| 45 PRECAST CONC | 105 SHAWT WALL SYSTEM |
| 46 WALL PANEL | 106 GYPSUM BOARD |
| 47 PRECAST CONC | 107 CEILING |
| 48 DOOR TIE | 108 GYPSUM BOARD |
| 49 CONC SPLASH | 109 CEILING SYSTEM |
| 50 BLOCK TIE | 110 ACUSTICAL TILE |
| 51 1/2" WEIGHT CONC | 111 QUARRY TILE |
| 52 REINFORCING BAR | 112 CERAMIC TILE |
| 53 WELDED WIRE | 113 CERAMIC TILE |
| 54 FABRIC | 114 CERAMIC TILE |
| 55 PREMOLDED JOINT | 115 PORCELAIN TILE |
| 56 FILLER | 116 POLYETHYLENE |
| 57 WATERSTOP | 117 POLYETHYLENE |
| 58 CMU | 118 POLYETHYLENE |
| 59 CMU SOLID UNIT | 119 POLYETHYLENE |
| 60 CMU-GROUTED | 120 POLYETHYLENE |
| 61 SOLID | 121 POLYETHYLENE |
| 62 SAND FILL | 122 VINYL COMPOSITION |
| 63 ACUSTICAL | 123 SHEET VINYL |
| 64 BOND BEAN | 124 POLYURETHANE |
| 65 FACE BRICK | 125 POLYURETHANE |
| 66 GLASS BLOCK | 126 SEAMLESS TROWELED |
| 67 GROUT FILL | 127 CARPET |
| 68 HORIZ MASONRY | 128 RUBBER BASE |
| 69 REINFORCING | 129 RUBBER TREADS & |
| 70 MASONRY ANCHOR | 130 RUBBER STAR SKIRT |
| 71 DOWEL ANCHOR | 131 VINYL WALL COVERING |
| 72 MASONRY VENEER | 132 ACUSTICAL WALL |
| 73 WALL TIE | 133 ACUSTICAL WALL |
| 74 MASONRY FLASHING | 134 ACUSTICAL WALL |
| 75 WEEP SYSTEM | 135 ACUSTICAL WALL |
| 76 SEM RIGID WALL | 136 ACUSTICAL WALL |
| 77 NON-ASPHALTIC | 137 ACUSTICAL WALL |
| 78 FIBERBOARD | 138 ACUSTICAL WALL |
| 79 CONC PAVER | 139 METAL TOILET |
| 80 METAL DRAINER | 140 METAL TOILET |
| 81 COLLECTION SYSTEM | 141 PLASTIC TOILET |
| 82 PARTITION | 142 PLASTIC TOILET |
| 83 STEEL COLUMN | 143 BRASS SCREEN |
| 84 STEEL BEAM | 144 SHOWER |
| 85 STEEL JOIST | 145 COMPARTMENT |
| 86 STEEL ANGLE | 146 CURBIE TRACK |
| 87 WELD PLATE | 147 CURBIE TRACK |
| 88 STEEL ROOF DECK | 148 METAL WALL |
| 89 STEEL ACUSTICAL | 149 METAL WALL |
| 90 LOUVER | 150 METAL WALL |
| 91 CORRUGATED METAL | 151 FLAGPOLE |
| 92 FORMING | 152 CORRUGATED METAL |
| 93 JOIST | 153 CORRUGATED METAL |
| 94 COLD-FORMED | 154 CORRUGATED METAL |
| 95 METAL FRAMING | 155 CORRUGATED METAL |
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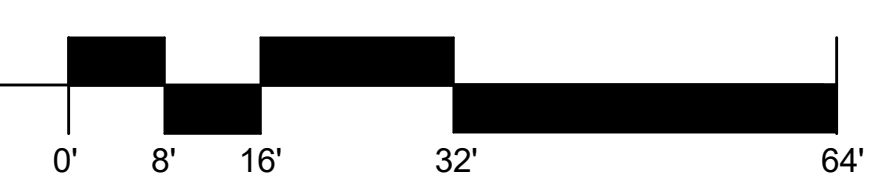
15 Fan Room Plan
Scale: 1/16" = 1'-0"



24 Basement Floor Plan
Scale: 1/16" = 1'-0"



16 Overall Main Level Plan
Scale: 1/16" = 1'-0"



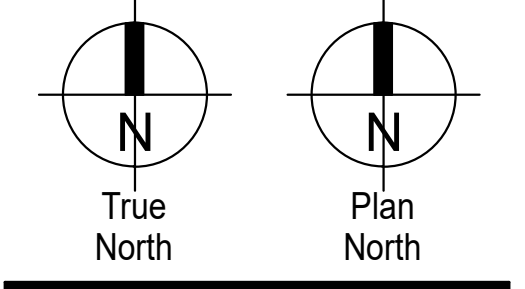
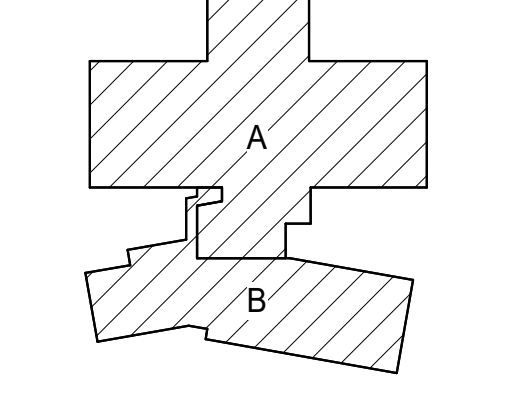
Webster Elementary School
Addition and Alterations
445 Jersey Lane, Colorado Springs, CO 80911
Widefield School District 3
1820 Main Street
Colorado Springs, CO 80911



Construction Documents

Drawn: FWK, SLH
Checked: JMS
Issued: 11 January 2022
Revised:

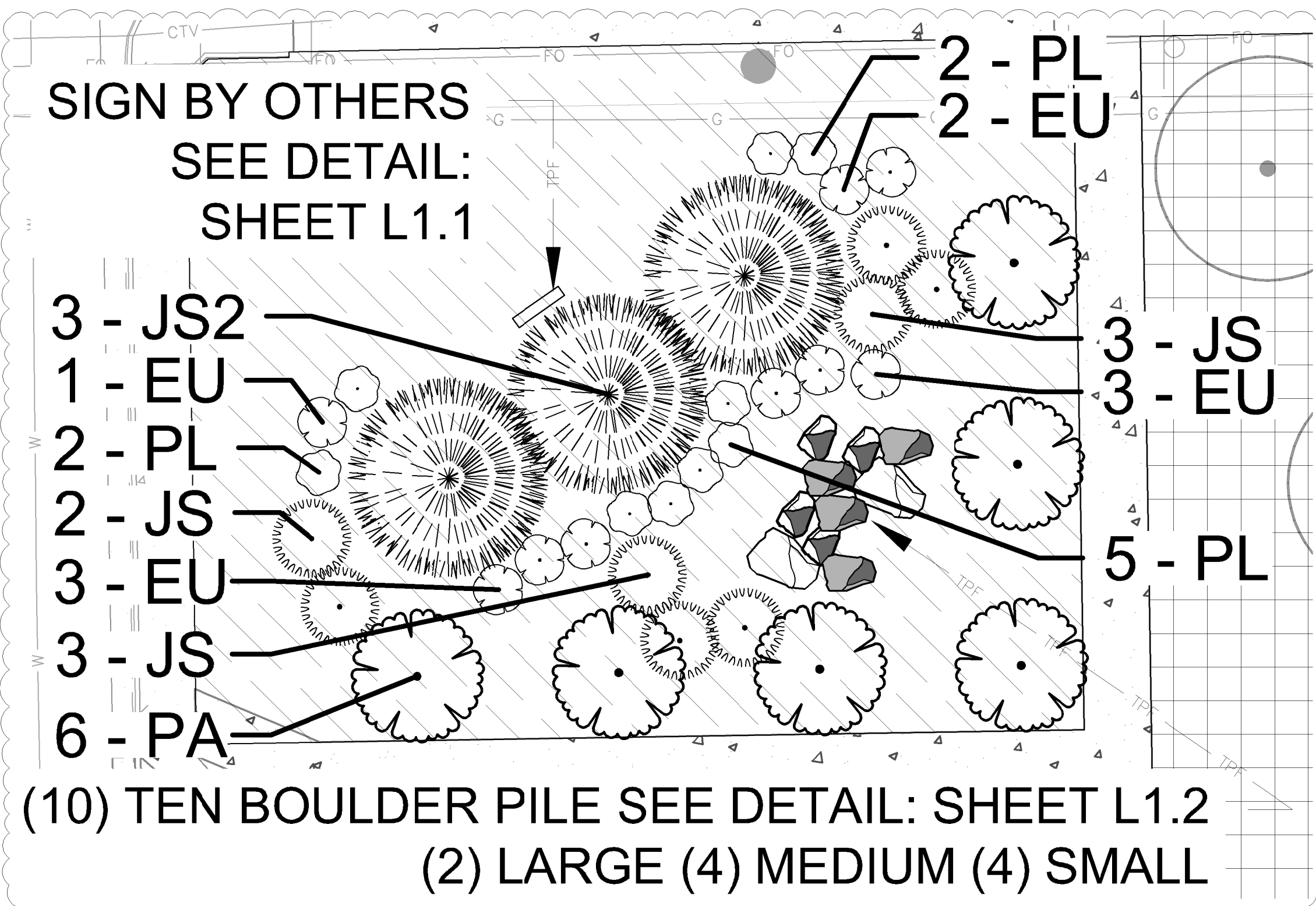
Area Key Plan



OVERALL MAIN LEVEL PLAN

A1.1
Project No. 21-003
The LKA Partners Incorporated

NOTE: THE KEYNOTE REFERENCE NUMBERS SHOWN ABOVE MAY OR MAY NOT CORRESPOND TO SPECIFICATION SECTIONS IN THE PROJECT MANUAL.

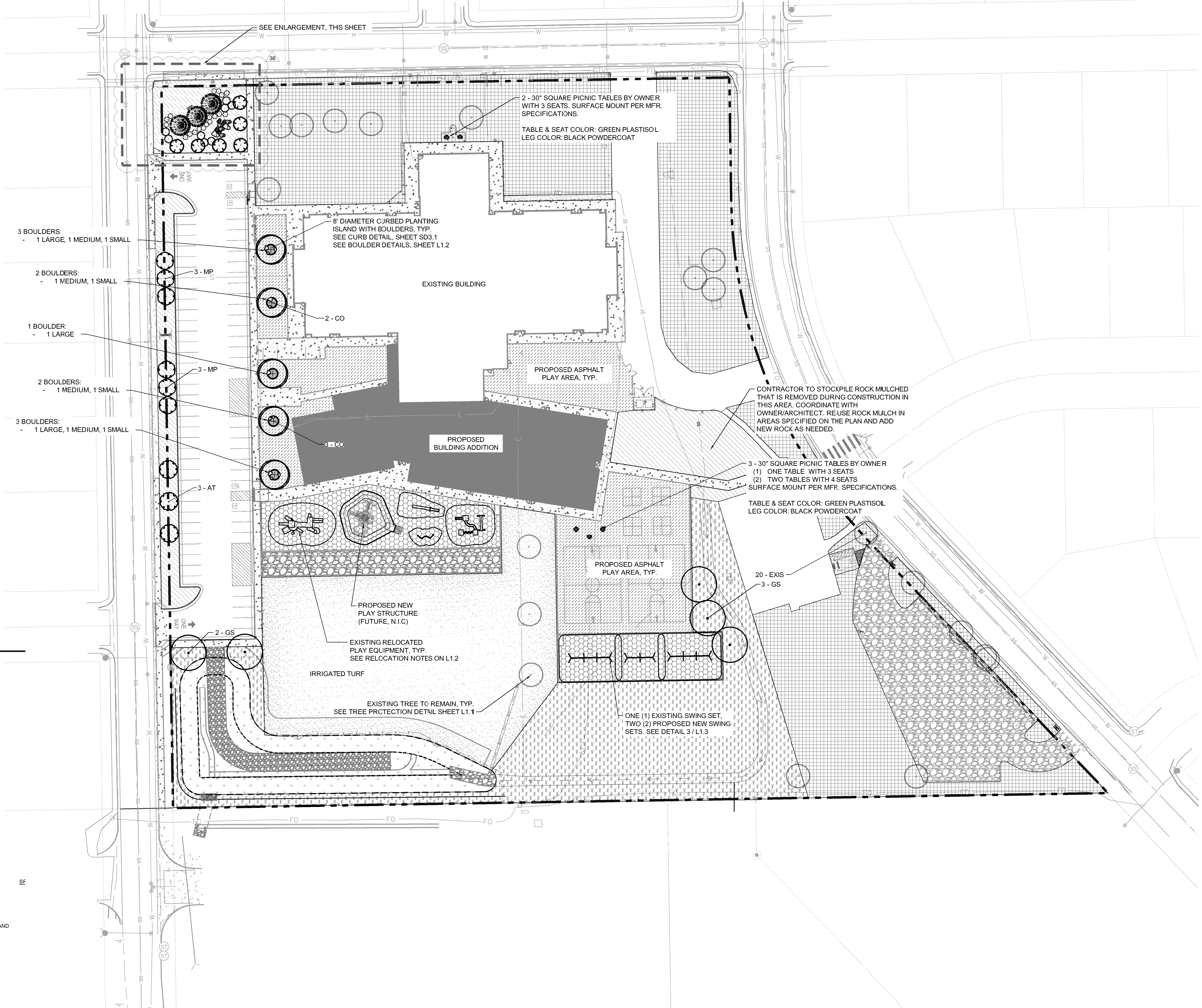


36

1 XERIC PLANTING ENLARGEMENT L1.0 PLAN 1" = 10'-0"

PLANT SCHEDULE

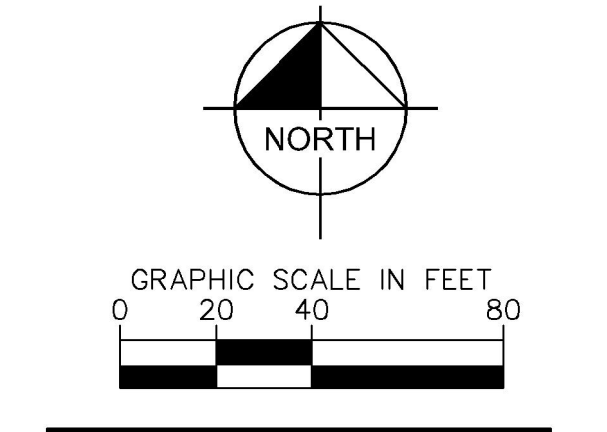
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT. SIZE	SIZE/CAL.	WIDTH	HEIGHT	
	AT	3	ACER TATARICUM 'HOT WINGS'	HOT WINGS TATARIAN MAPLE	B & B	2" CAL MIN	15'-20'	15'-20'	
	CO	5	CELTIS OCCIDENTALIS	COMMON HACKBERRY	B & B	2" CAL MIN	30'-40'	40'-50'	
	EXIS	20	EXISTING TREE TO REMAIN						
	GS	5	GLEDITSIA TRICANTHOS 'SKYLINE'	SKYLINE HONEY LOCUST	B & B	2" CAL MIN	30'-40'	40'-50'	
	JS2	3	JUNIPERUS SCOPULORUM	ROCKY MOUNTAIN JUNIPER	B & B	6" HGT.	15'-20'	30'-40'	
	MP	6	MALLUS X 'PRAIRIE ROSE'	PRAIRIE ROSE CRABAPPLE	B & B	2" CAL MIN	15'-20'	15'-20'	
	PA	6	PRUNUS AMERICANA	AMERICAN PLUM	B & B	1.5" CAL MIN	10'-15'	20'-30'	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT. SIZE	SPACING	WIDTH	HEIGHT	
	EU	9	ERICAMERIA NAUSEOSA GLABRATA	TALL GREEN RABBITRUSH	5 GAL	SEE PLAN	2'-6"	2'-6"	
	JS	8	JUNIPERUS X MEDIA 'SEA GREEN'	SEA GREEN JUNIPER	5 GAL	SEE PLAN	6'-4"	5'-6"	
	PL	9	PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'	LITTLE SPIRE RUSSIAN SAGE	5 GAL	SEE PLAN	2'-3"	2'-3"	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	TYPE	INSTALL RATE	WEED FABRIC	MFR.	SE
	COBL A	5,105 SF	SQUEEGEE COVER	1/4"-3/8" NATURAL EARTHTONE COLOR	GRAVEL	3" DEPTH	NO		
	COBL B	12,841 SF	ROCK MULCH	1 1/2"-3" RIVER ROCK	ROCK MULCH	4"	YES	PIONEER SAND	
	EX	70,510 SF	EXISTING AREA TO REMAIN		EXISTING				
	SEED	15,618 SF	PBSI WETLAND PRAIRIE MIX	BY PAVNEE BUTTES SEED CO.	SEED				
	SEED2	34,404 SF	LOW GROW NATIVE SEED MIX	BY ARKANSAS VALLEY SEED	SEED	20-25 LBS / ACRE			
	SOD	37,174 SF	POA PRATENSIS	KENTUCKY BLUEGRASS	SOD				



Construction Documents

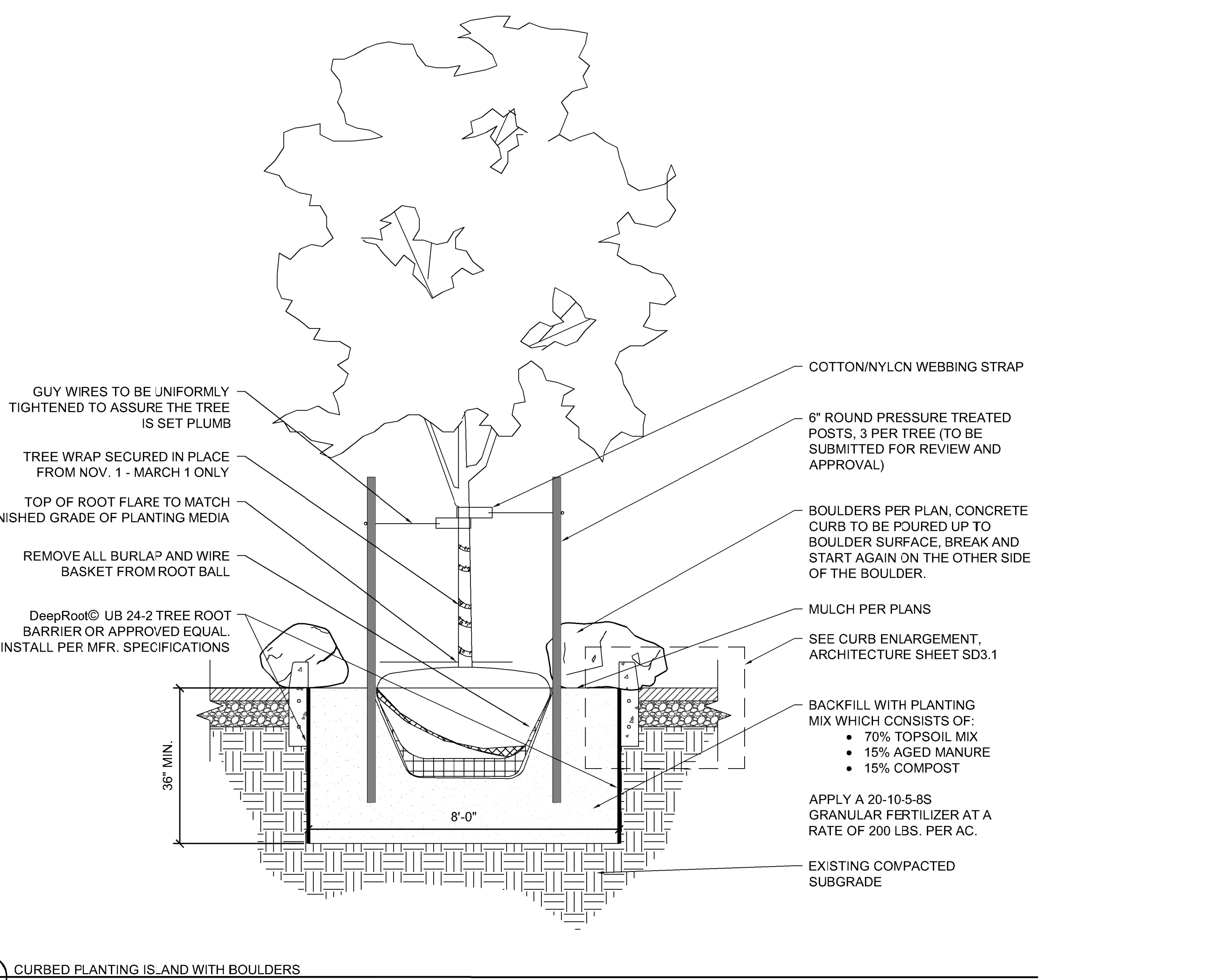
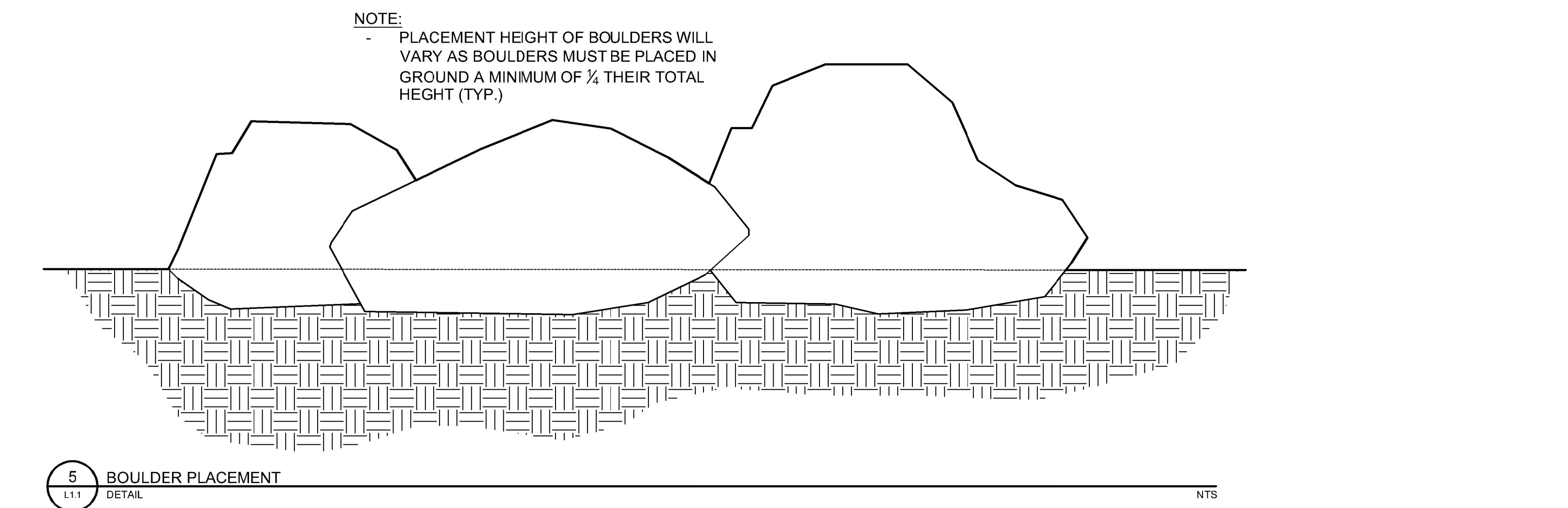
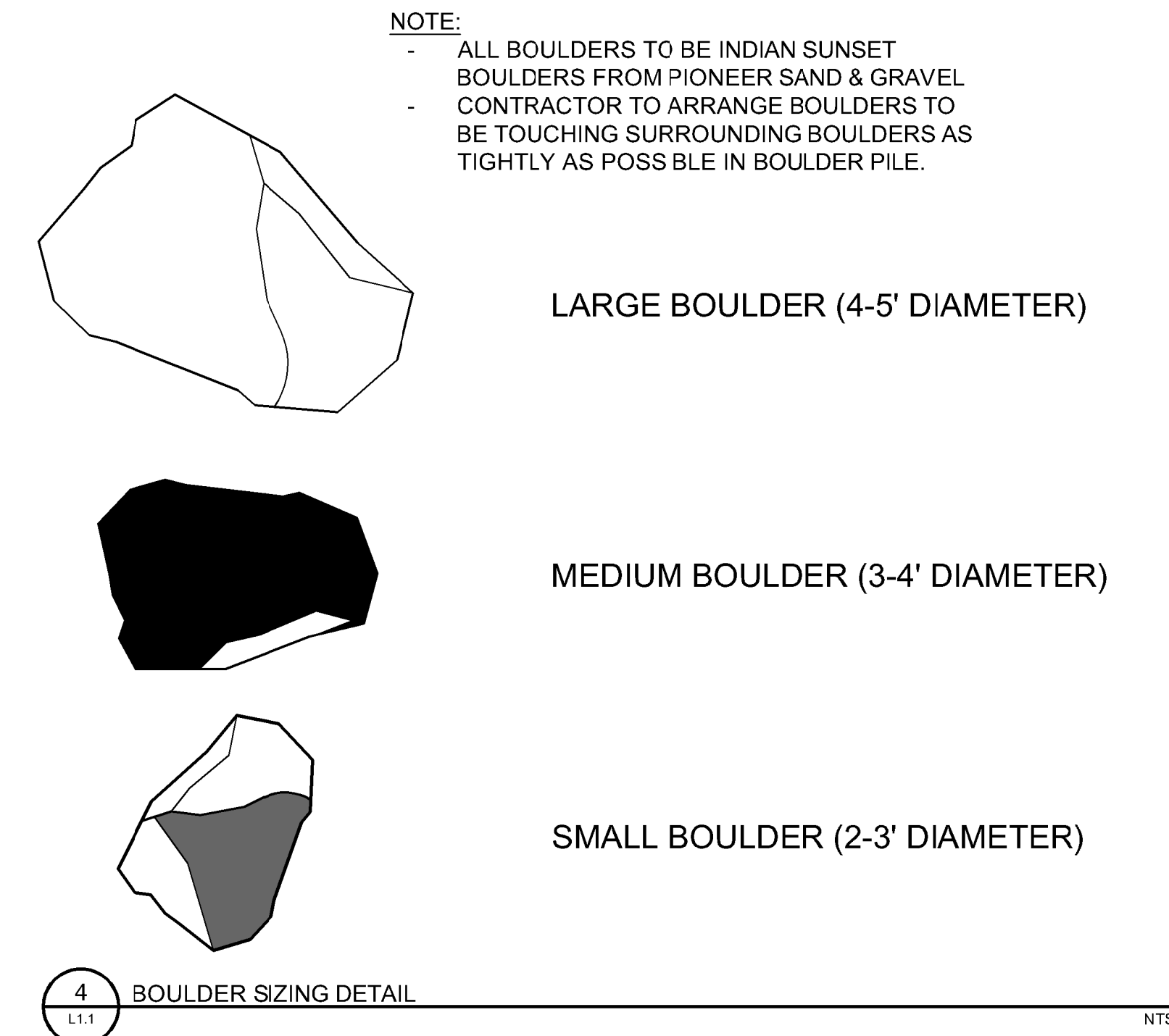
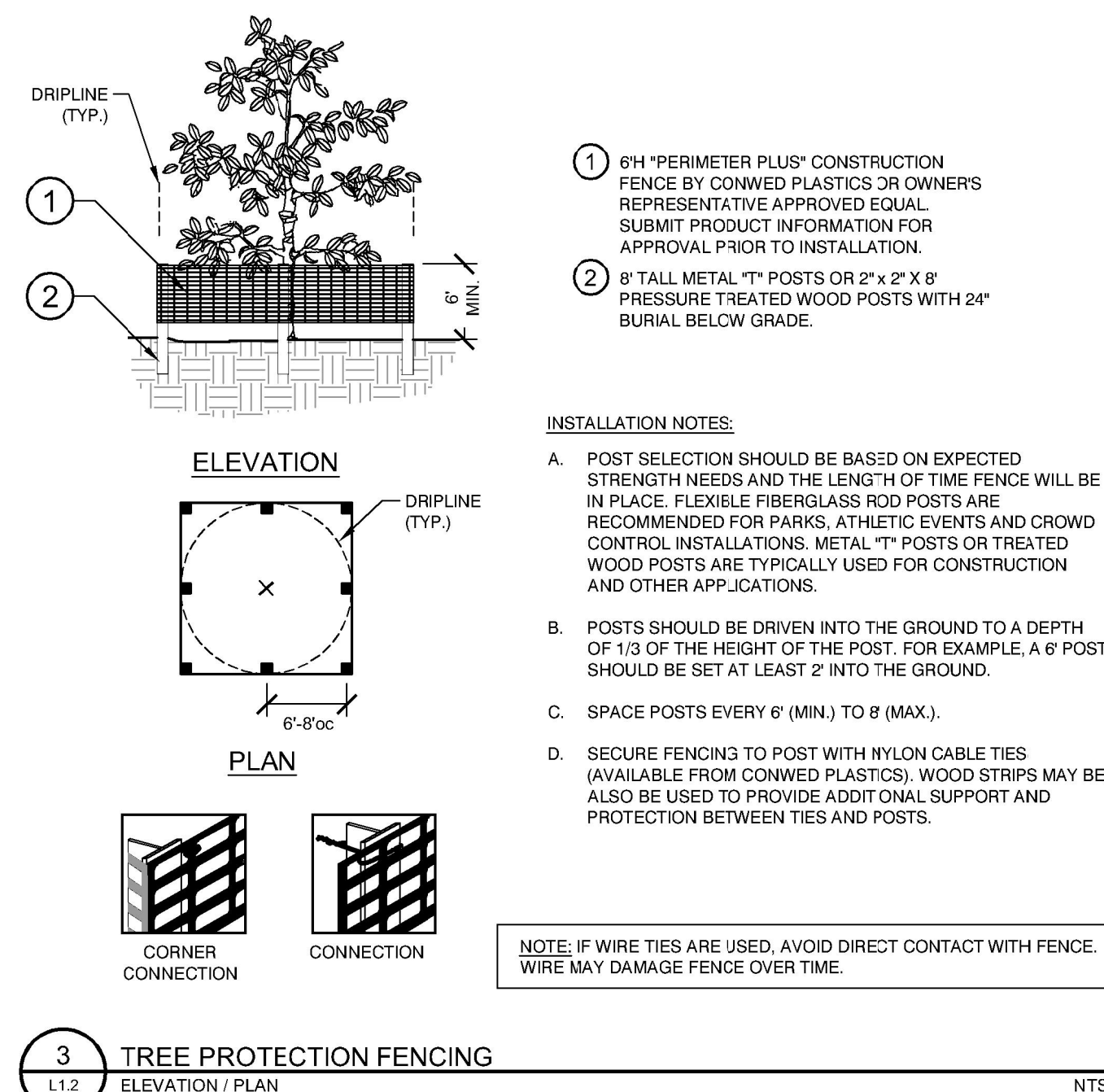
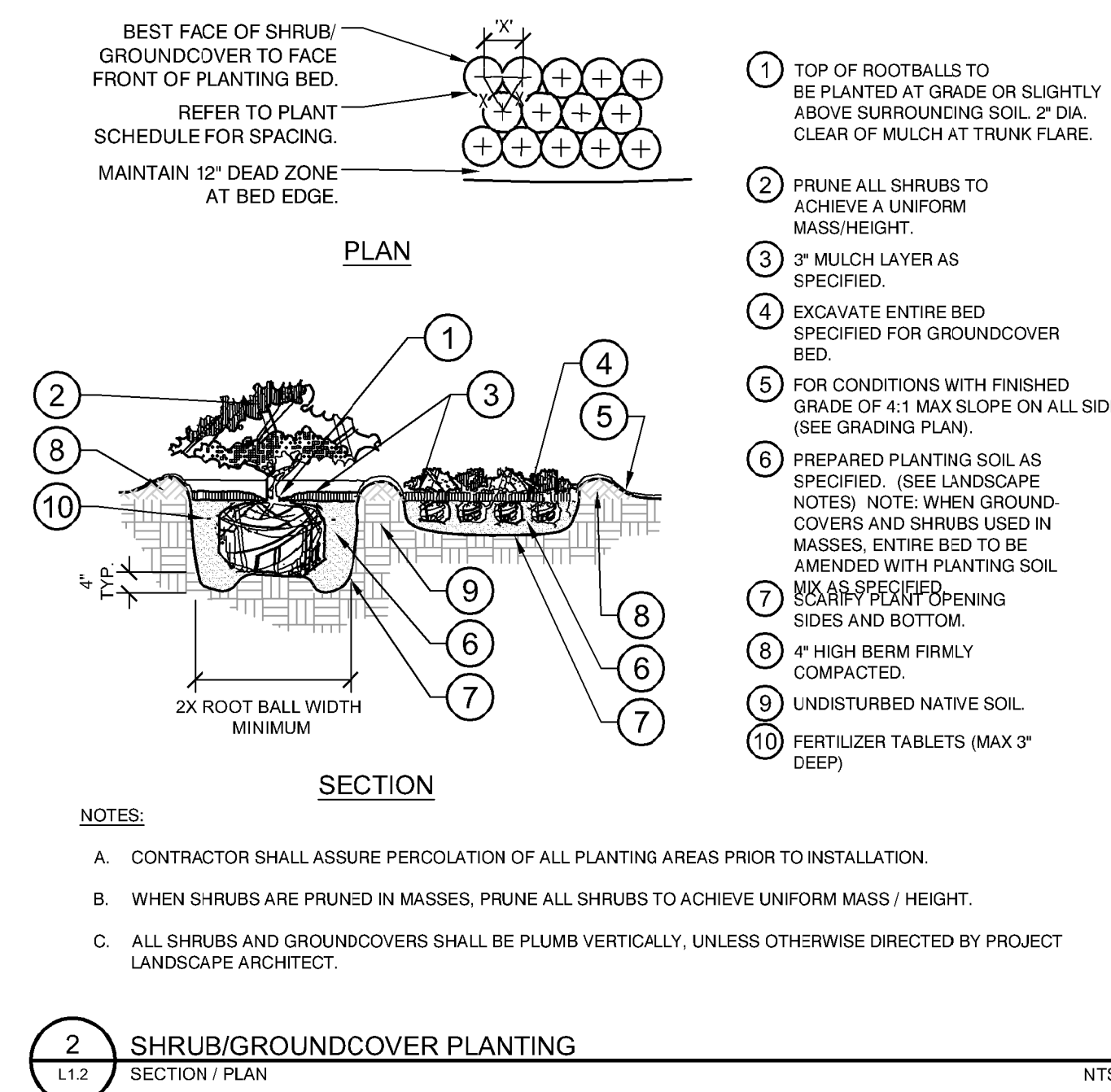
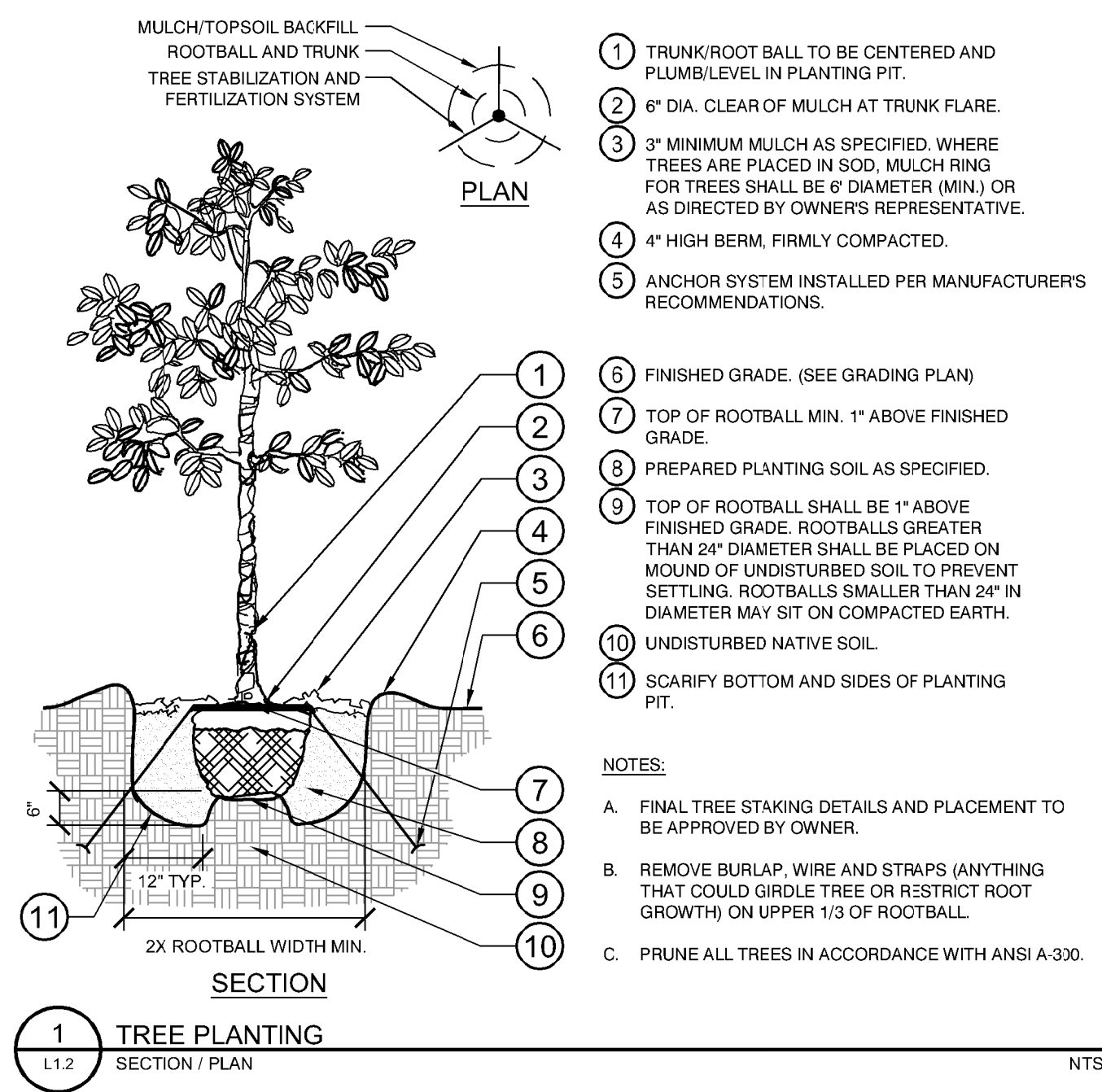
Drawn: SB
Checked: JCP
Issued: 6 APRIL, 2022
Revised: DECEMBER 13, 2022

Area Key Plan



LANDSCAPE PLAN

L1.0



- PLAYGROUND EQUIPMENT RELOCATION**
1. THE PLAYGROUND DESIGN SHALL COMPLY WITH EL PASO COUNTY'S PLAYSAPCE POLICIES.
 2. CONTRACTOR TO DISASSEMBLE EXISTING PLAYGROUND EQUIPMENT AND COORDINATE TEMPORARY STORAGE WITH OWNER/ARCHITECT.
 3. REMOVE ALL ENGINEERED WOOD FIBER AND PLASTIC PLAYGROUND EDGER AND RELOCATE TO TEMPORARY LOCATION DURING CONSTRUCTION. COORDINATE LOCATION AND TIMING WITH OWNER/ARCHITECT.
 4. CONTRACTOR TO CONSULT WITH THE PLAYGROUND SUPPLIER OR A CERTIFIED PLAYGROUND SAFETY INSPECTOR (CPSI) IN ORDER TO HAVE EQUIPMENT INSPECTED AND REPAIRED PRIOR TO REINSTALLATION.
 5. PROVIDE 12" OF ENGINEERED WOOD FIBER (SEE DETAIL) IN AREAS SPECIFIED ON THE PLAN AND INSTALL TO MANUFACTURER'S SPECIFICATIONS.
 6. CONTRACTOR TO REASSEMBLE EXISTING EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS AND REPLACE HARDWARE AS NEEDED DURING REASSEMBLY.
 7. CONTRACTOR TO INSTALL EQUIPMENT PER THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS AND ALL CITY, STATE AND FEDERAL LAWS. THE EQUIPMENT IS TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN. VERIFY THAT FALL SAFETY ZONES DO NOT OVERLAP. COORDINATE INSPECTION BY SUPPLIER OR CPSI AFTER INSTALLATION. CONTRACTOR SHALL MAKE REPAIRS AND ADJUSTMENTS AS REQUIRED BY THE PLAYGROUND INSPECTOR BEFORE EQUIPMENT IS UTILIZED.
 8. ALL NEW, EXISTING OR RE-USED PLAY EQUIPMENT IS TO PROPERLY FIT WITHIN THE INTENDED SAFETY USE ZONE AS ORIGINALLY SPECIFIED BY THE MANUFACTURER OR CPSI. THE SAFETY USE ZONE IS MEASURED FROM THE OUTERMOST EDGE OF THE EQUIPMENT, ON ALL SIDES (ASTM 1487-11 SECTION 9).
 9. PLAY AREA, PATHS AND EQUIPMENT SHALL COMPLY WITH CURRENT AMERICAN DISABILITIES ACT 2010 ADA STANDARDS.
 10. ALL CONCRETE FOOTINGS SHOULD HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI IN WELL COMPACTED SOIL THAT MEETS MANUFACTURER'S SPECIFICATION.
 11. PLAY AREA AND SITE EQUIPMENT MUST COMPLY WITH THE MOST RECENT GUIDELINES, SPECIFICATIONS AND RECOMMENDATIONS OF THE CONSUMER PRODUCT SAFETY COMMISSION (CPSC) HANDBOOK FOR PUBLIC PLAYGROUND SAFETY, ASTM SPECS FOR PLAYGROUND EQUIP. FOR PUBLIC USE (ASTM F1487) AND ASTM SPEC FOR IMPACT ATTENUATION OF SURFACE SYSTEMS UNDER AND AROUND PLAYGROUND EQUIP (ASTM F1292).
 12. APPLICANT TO PROVIDE TO THE COUNTY AND OWNER, CERTIFICATION FROM PLAY EQUIPMENT MANUFACTURER, THAT PLAY EQUIPMENT HAS BEEN INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND THAT THE PLAY EQUIPMENT IS SAFE FOR USE.
 13. A PLAYGROUND AUDIT OF PLAY AREAS AND A GMAX FIELD SAFETY SURFACING TEST ARE REQUIRED UPON COMPLETION OF INSTALLATION.
 14. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL BY OWNER PRIOR TO INSTALLATION.



assembly procedures, cont'd:

STEP 8
Attach (A-) top to the outside of the square mounting frame (C). See FIG. 3. Use eight (F) and (K) using two (J) and one (M) per (F). Draw the fasteners to a snug fit with wrenches.

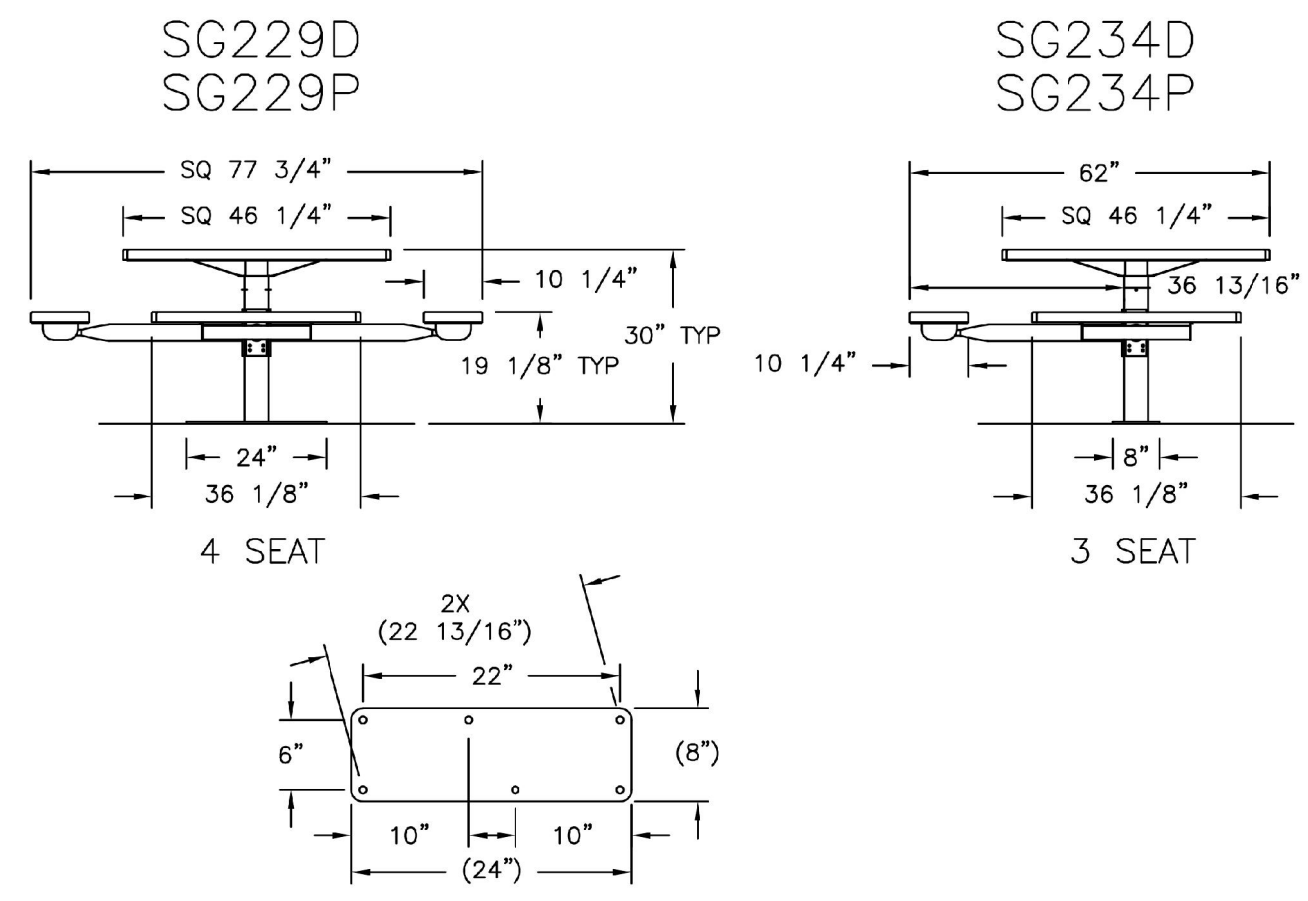
NOTE:
Secure the umbrella AFTER the seat arms are assembled.

UMBRELLA SECUREMENT
Insert the umbrella extension tube into the square inground/surface mount tube through the table top hole.

STEP A
Before drilling, be sure desired umbrella height is established. Drill a #1/4" hole thru umbrella extension tube using the #3/8" hole directly under table top as a template.

STEP B
Secure umbrella extension to table leg tube using one (R), two (Q) and one (P). Tighten to snug fit.

product dimensions:



NOTES

- TABLE TO MATCH THE EXISTING BENCHES AT THE SCHOOL.
- COLOR TO BE GREEN.
- THREE TABLE IS TO BE A 3 BENCH ADA COMPLIANT, ALL OTHER TABLES ARE TO BE 4-SEAT.
- TABLES TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
- UMBRELLA EXTENSION TUBE TO BE KEPT OFF TABLES YET GIVEN TO OWNER FOR FUTURE USE.

page 4

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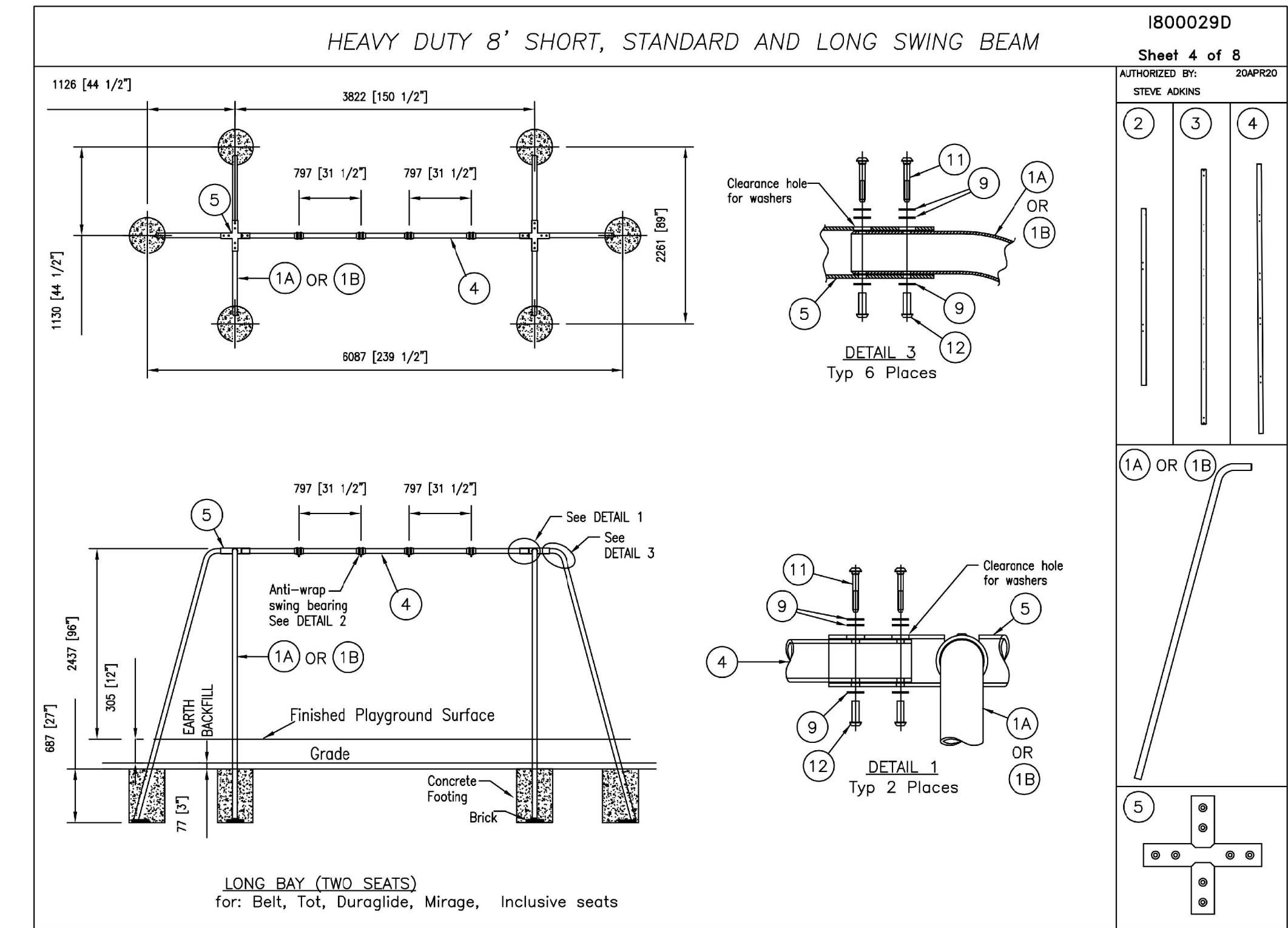
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NOTES

- COLOR TO BE DETERMINED

NTS



EXISTING SWINGSET

COLOR IS GRAY WITH BLUE BELT SWINGS



NOTES

- SWING SET IS TO MATCH EXISTING IN STYLE AND SIZE.
- SEAT COLOR TO BE BLACK, FRAME COLOR TO BE FOREST GREEN.
- ONE SWING SET TO BE A 4-BELT MODEL, ONE IS TO BE A 6-BELT SWING PER PLAN
- INSTALL PER MANUFACTURERS SPECIFICATION.



Independent Events - Swings

STANDARD SWINGS

Product #: 200096595

Contact Us for Price

Age Group: 2-12

Space Required: 32'-0" x 29'-0"

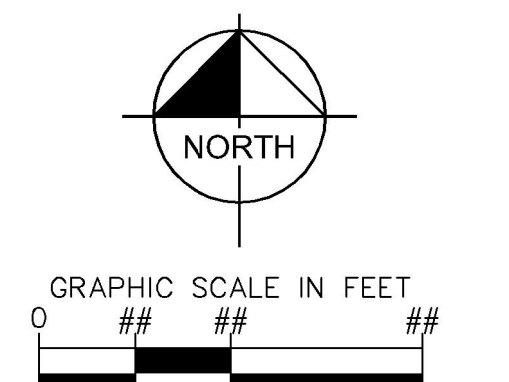
Weight: 177.58 lb

Certification: ASTM, CPSC

Quantity:

- +

NTS



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
25	RAIN BIRD 5006-SAM-PC-FC-MPR 25 TURF ROTOR, 6.0" POP-UP, PLASTIC RISE, MATCHED PRECIPITATION ROTOR (MPR NOZZLE), ARC AND RADIUS AS PER SYMBOL, 25 FT-RED, 30 FT-GREEN, 35FT-BEIGE, WITH SEAL-A-MATIC CHECK VALVE.	17	45	25'	
30	RAIN BIRD 5006-SAM-PC-FC-MPR 30 TURF ROTOR, 6.0" POP-UP, PLASTIC RISE, MATCHED PRECIPITATION ROTOR (MPR NOZZLE), ARC AND RADIUS AS PER SYMBOL, 25 FT-RED, 30 FT-GREEN, 35FT-BEIGE, WITH SEAL-A-MATIC CHECK VALVE.	7	45	30'	
35	RAIN BIRD 5006-SAM-PC-FC-MPR 35 TURF ROTOR, 6.0" POP-UP, PLASTIC RISE, MATCHED PRECIPITATION ROTOR (MPR NOZZLE), ARC AND RADIUS AS PER SYMBOL, 25 FT-RED, 30 FT-GREEN, 35FT-BEIGE, WITH SEAL-A-MATIC CHECK VALVE.	69	45	35'	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY			
1	RAIN BIRD XCZ-150-PRB-COM HIGH FLOW CONTROL 2" NIP KIT FOR LARGE COMMERCIAL DRIP ZONES, EXISTING BACKFLOW PREVENTOR	1			
50	RAIN BIRD PC-05 SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS WITH SELF-PIERCING BARB INLET, FLOW RATE: 5 GPH/LIGHT BROWN, 7 GPH/VIOLET, 10 GPH-GREEN, 12 GPH-DARK BROWN, 18 GPH-WHITE, 24 GPH-ORANGE.	50			
850.0 S.F.	AREA TO RECEIVE DRIP EMITTERS RAIN BIRD XB-PC SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS, FLOW RATES OF 0.5 GPH/BLACK, 1.0 GPH-BLACK, AND 2.0 GPH-RED, COMES WITH A SELF-PIERCING BARB INLET X BARB OUTLET. Emitter Notes: 1.0 GPH emitters (2 assigned to each 5 GAL plant)	850.0 S.F.			
52	1.0 GPH emitters (2 assigned to each 5 GAL plant)	52			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY			
8	RAIN BIRD PEB 1" 1-1/2" 2" PLASTIC INDUSTRIAL VALVES, LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	8			
1	WATTS LF00M1 2" LEAD-FREE REDUCED PRESSURE BACKFLOW PREVENTOR.	1			
1	POINT OF CONNECTION 2"	1			
3,746 L.F.	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 PVC CLASS 200 IRRIGATION PIPE, ONLY LATERAL TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.	3,746 L.F.			
642.3 L.F.	IRRIGATION LATERAL LINE: PVC CLASS 200	642.3 L.F.			
1,092 L.F.	IRRIGATION MAINLINE: PVC SCHEDULE 40	1,092 L.F.			
436.8 L.F.	PIPE SLEEVE: PVC SCHEDULE 40	436.8 L.F.			

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
1	RAIN BIRD PEB	2"	TURF ROTOR	42.74	57.1	72.5	0.69 in/h	
2	RAIN BIRD PEB	2"	TURF ROTOR	44.45	56.3	73.0	0.67 in/h	
3	RAIN BIRD PEB	2"	TURF ROTOR	49.29	51.9	70.6	0.68 in/h	
4	RAIN BIRD PEB	2"	TURF ROTOR	53.13	53.5	73.4	0.77 in/h	
5	RAIN BIRD PEB	2"	TURF ROTOR	65.34	53.2	80.4	0.76 in/h	
6	RAIN BIRD PEB	2"	TURF ROTOR	65.83	57.8	84.1	0.59 in/h	
7	RAIN BIRD PEB	2"	TURF ROTOR	64.74	53.2	79.2	0.62 in/h	
8	RAIN BIRD PEB	2"	TURF ROTOR	41.71	57.1	74.4	0.65 in/h	
9	RAIN BIRD XCZ-150-PRB-COM	1-1/2"	DRIP EMITTER	4.42	30.6	46.7	0.19 in/h	

CRITICAL ANALYSIS

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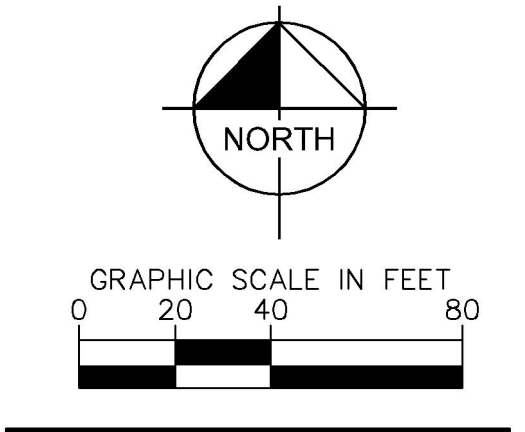
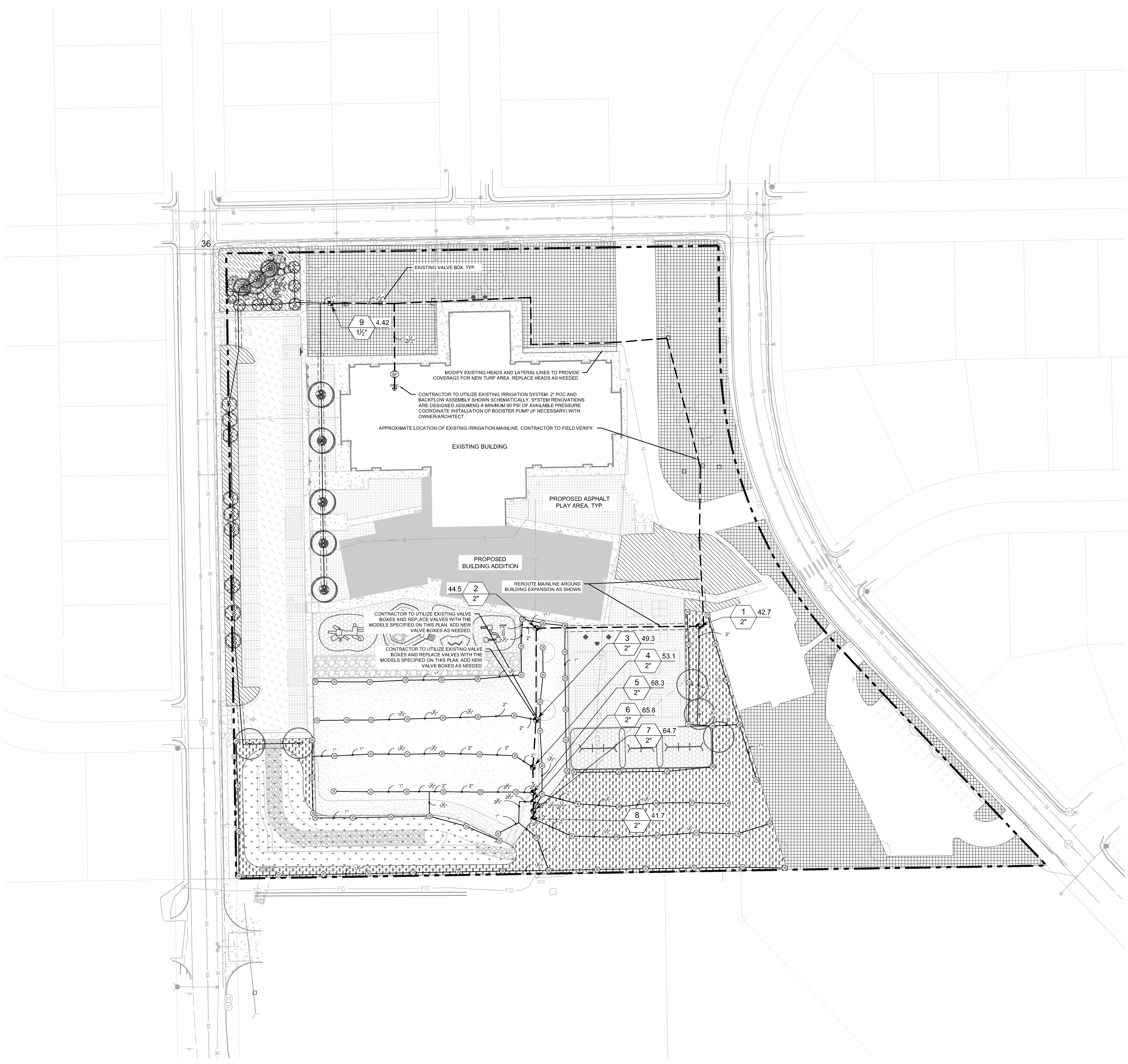
P.O.C. NUMBER: 01
Water Source Information:

FLOW AVAILABLE
Point of Connection Size: 2"
Flow Available: 70.56 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 90 PSI
Pressure Available: 90 PSI

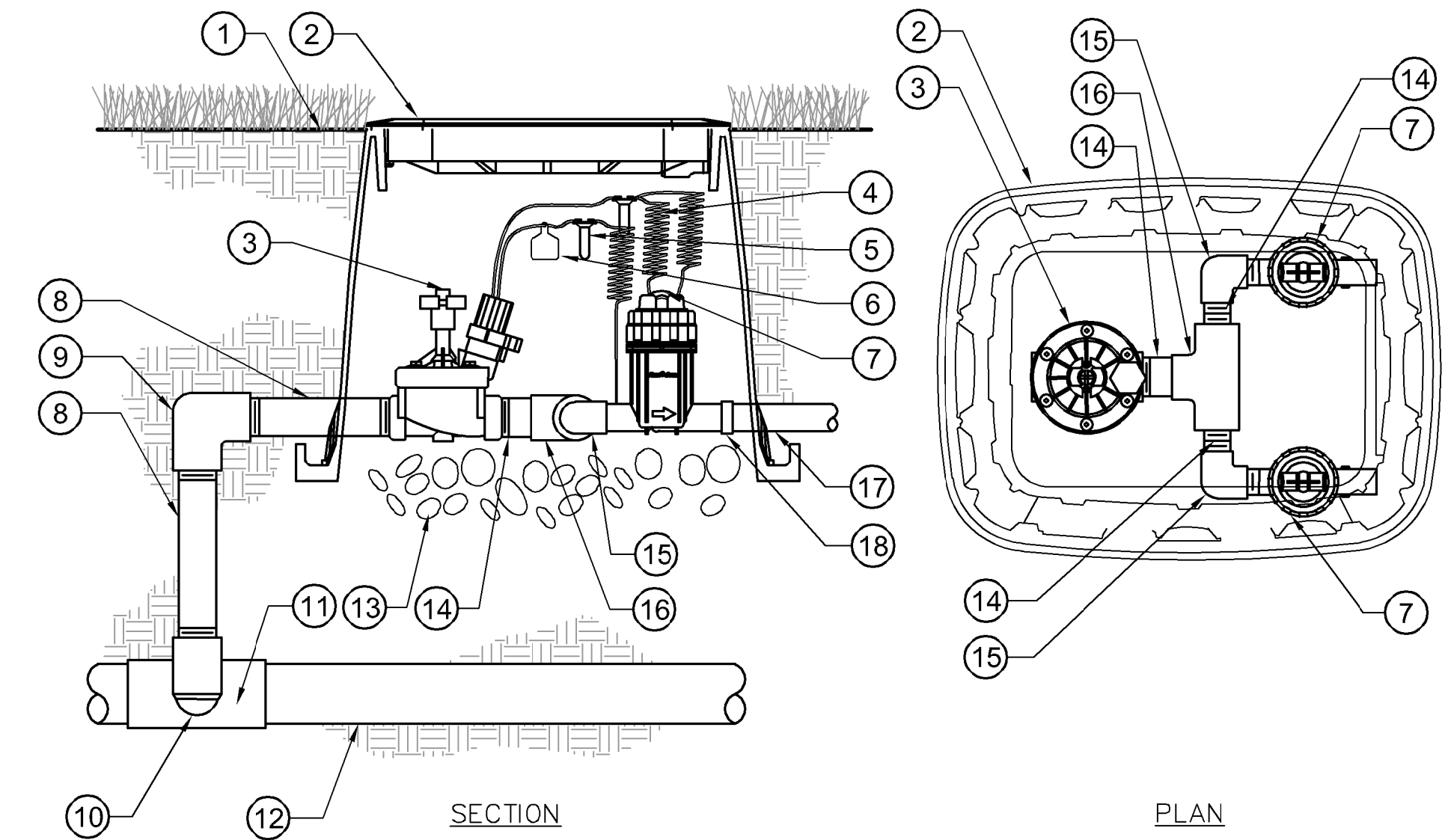
DESIGN ANALYSIS
Minimum Station Flow: 68.34 GPM
Flow Available at POC: 70.56 GPM
Residual Flow Available: 2.21 GPM

Critical Station: 6
Design Pressure: 45 PSI
Friction Loss: 6.9 PSI
Fittings Loss: 0.69 PSI
Elevation Loss: 0 PSI
Loss Through Valve: 5.18 PSI
Pressure Req. at Critical Station: 57.78 PSI
Loss for Fittings: 1.3 PSI
Loss for Main Line: 12.97 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 12 PSI
Critical Station Pressure at POC: 84.06 PSI
Pressure Available: 90 PSI
Residual Pressure Available: 5.95 PSI



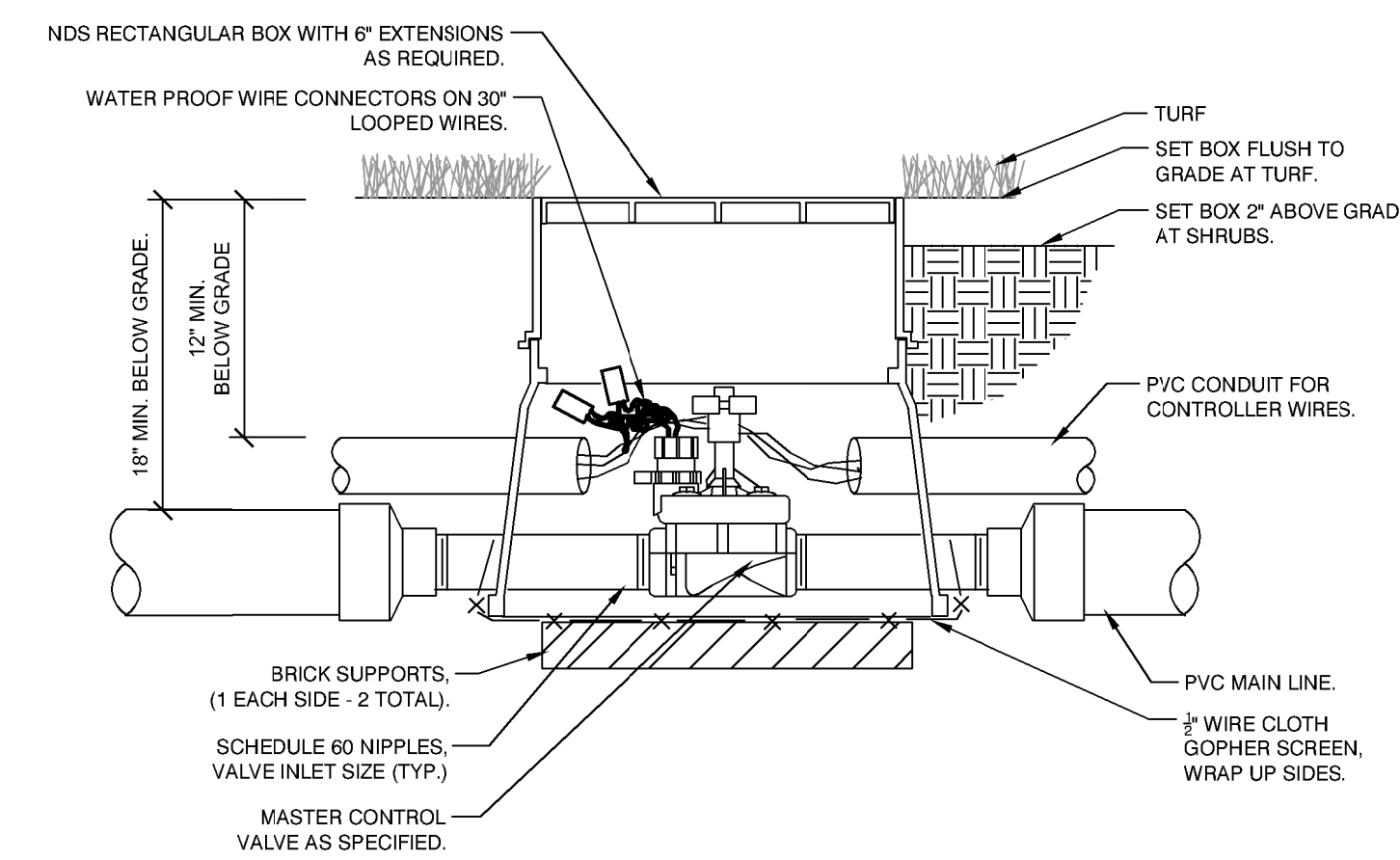
GENERAL IRRIGATION SPECIFICATIONS AND NOTES

- THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK. THIS PLAN IS SCHEMATIC AND DUE TO THE NATURE OF CONSTRUCTION SLIGHT FIELD MODIFICATIONS MAY BE NECESSARY TO IMPLEMENT PLAN.
- THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL CONSTRUCTION SHALL CONFORM TO TOWN, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS.
- VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS. CONTRACTOR SHALL FIELD VERIFY.
- CONTRACTOR TO VERIFY ACTUAL AVAILABLE WATER PRESSURE BEFORE BEGINNING INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE WATER PRESSURE EXCEEDS 5 PSI HIGHER OR LOWER THAN AVAILABLE WATER PRESSURE. REFER TO CRITICAL ANALYSIS FOR ASSURED STATIC PRESSURE.
- CONTRACTOR TO FIELD VERIFY ALL POINTS OF CONNECTION. SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.
- IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
- CONTRACTOR SHALL PROVIDE "AS BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT.
- IRRIGATION CONTRACTOR TO COORDINATE POWER SUPPLY TO ELECTRIC CONTROLLERS WITH ELECTRICAL CONTRACTOR.
- IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.
- IRRIGATION LATERAL LINES, MAIN LINES AND EQUIPMENT MAY BE SHOWN OUTSIDE PROPERTY LINES ON THIS PLAN. ALL IRRIGATION LINES AND EQUIPMENT ARE TO BE WITHIN AND INSTALLED WITHIN THE LIMITS OF THE PROPERTY LINE.
- LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.
- IRRIGATION SYSTEMS CONNECTED TO PCTABLE WATER SUPPLY, SHALL HAVE A BACKFLOW PREVENTER INSTALLED.
- SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. BACKFLOW PREVENTER TO BE PROVIDED BY IRRIGATION CONTRACTOR. IRRIGATION CONTRACTORS POINT OF CONNECTION TO BEGIN AFTER THE IRRIGATION WATER METER.
- INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNERS AUTHORIZED REPRESENTATIVE.
- CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.
- THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.
- EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
- ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES. ALL IRRIGATION SLEEVING TO BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. SEE SLEEVING DETAIL.
- ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
- SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.
- NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.
- THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: CAUTION, IRRIGATION LINE BURIED BELOW. THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.
- ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN VALVE BOXES.
- ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.
- LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2" FROM THE EDGE OF PAVEMENT OR CURB.
- IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIFLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.
- ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND DRIP INDICATOR.
- IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND RAIN SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)
- IRRIGATION CONTRACTOR SHALL REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNERS REPRESENTATIVE.
- LOCATE THE AUTOMATIC RAIN / FREEZE SENSOR SHUTOFF DEVICE IN AN AREA THAT IS UNOBSTRUCTED BY TREES, ROOF OVERHANGS, OR ANY OTHER OVERHEAD OBJECT. THE SENSOR SHALL NOT BE PLACED WITHIN THE SPRAY ZONE OF ANY SPRINKLER HEAD. INCLUDING OFF-SITE IRRIGATION CONTRACTOR SHALL LOCATE SENSOR WITHIN CLOSE PROXIMITY TO THE IRRIGATION CONTROLLER.
- CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.
HYDRO-TESTING TO BE PERFORMED AS LISTED:
THE CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNERS REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNERS REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

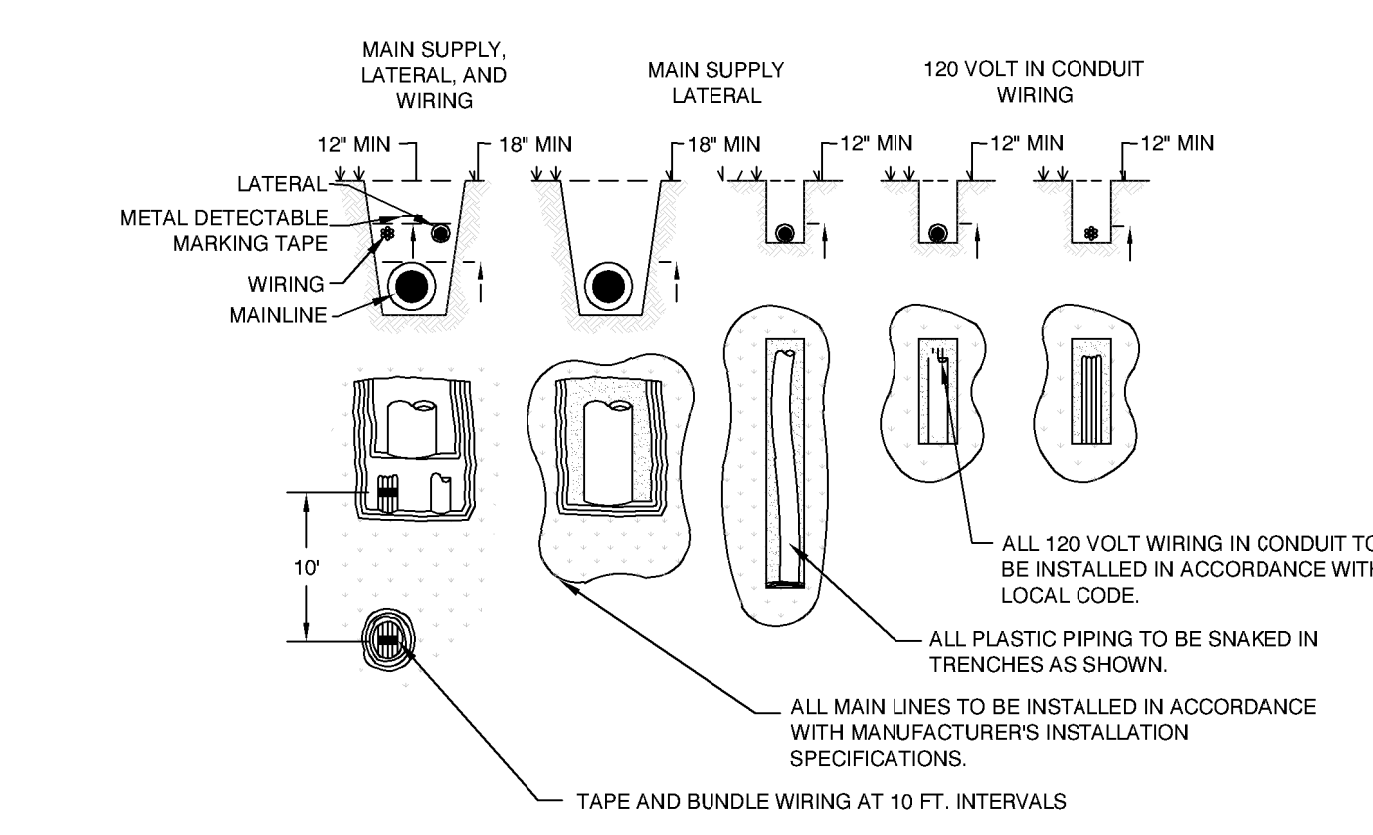


1 DRIP ZONE VALVE KIT
IR1.1 SECTION / PLAN NTS

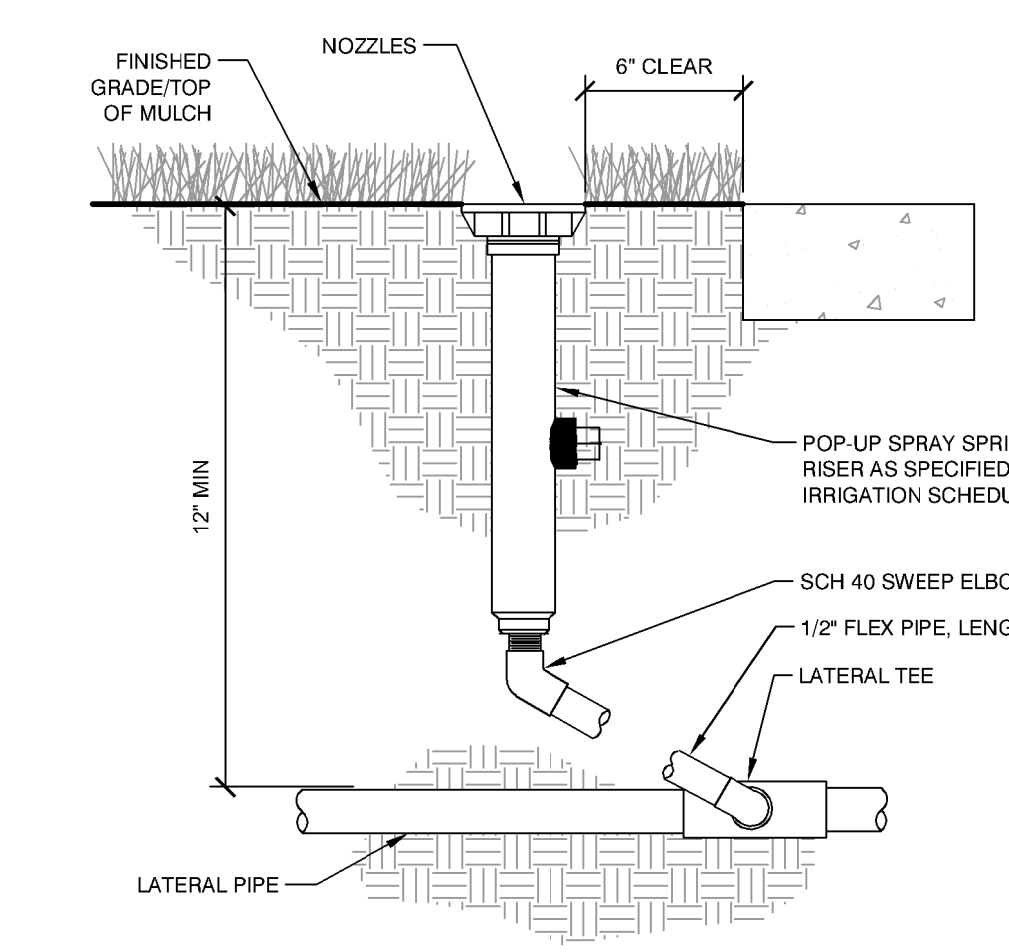
- FINISH GRADE/TOP OF MULCH
- VALVE BOX WITH LOCKING COVER
- REMOTE CONTROL VALVE
- 30-INCH LINEAR LENGTH OF WIRE, COILED
- WATERPROOF CONNECTION
- ID TAG
- PRESSURE REGULATING QUICK CHECK BASKET FILTER
- PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- PVC SCH 40 ELL
- PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
- PVC SCH 40 TEE OR ELL
- MAINLINE PIPE
- 8-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- PVC SCH 80 NIPPLE, CLOSE
- PVC SCH 40 ELL
- PVC SCH 40 TEE
- LATERAL PIPE
- PVC SCH 40 FEMALE ADAPTOR



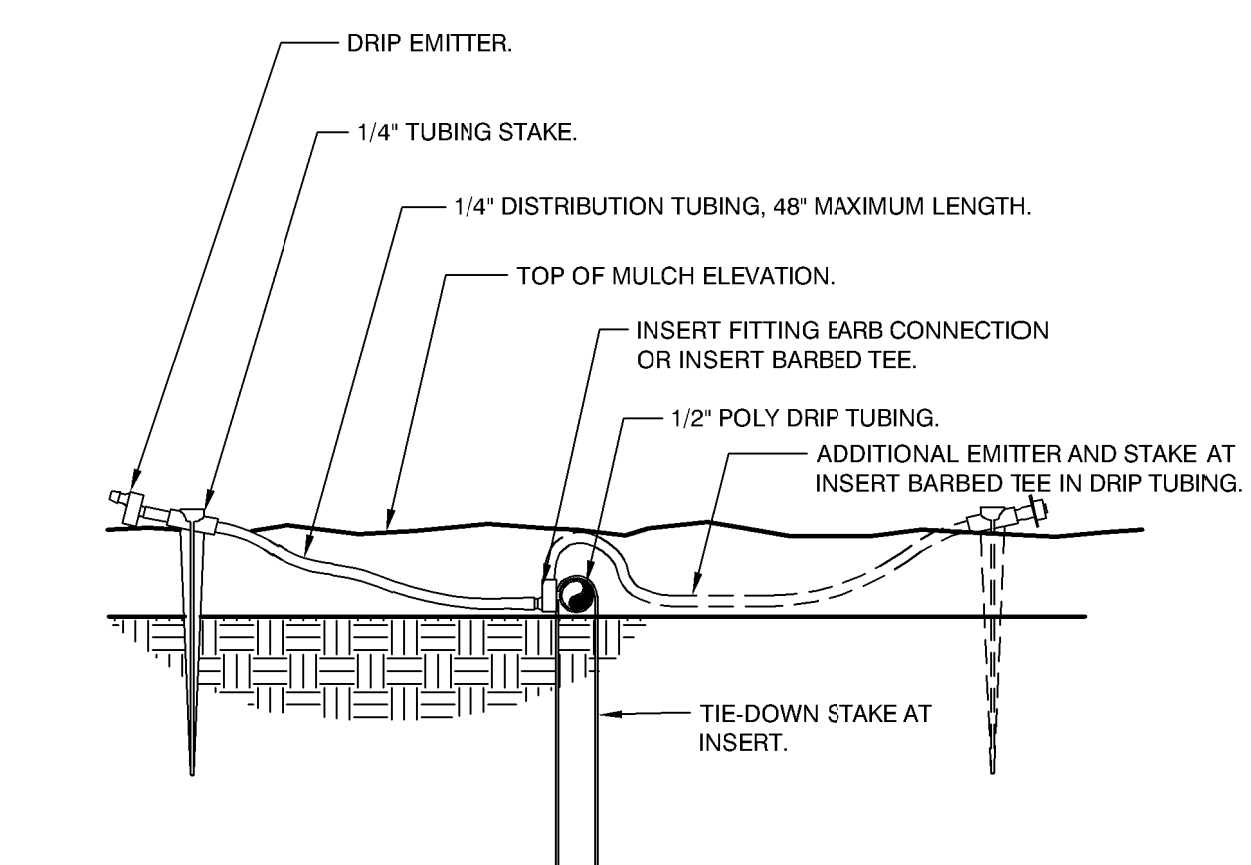
2 MASTER CONTROL VALVE
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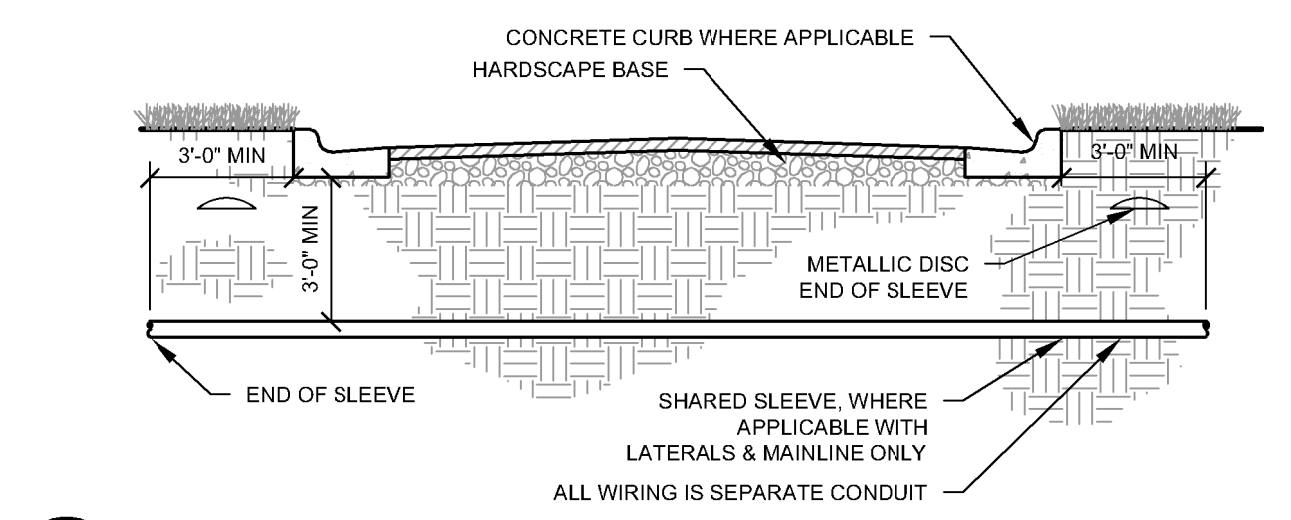
3 TYPICAL TRENCHING
IR1.1 SECTION NTS



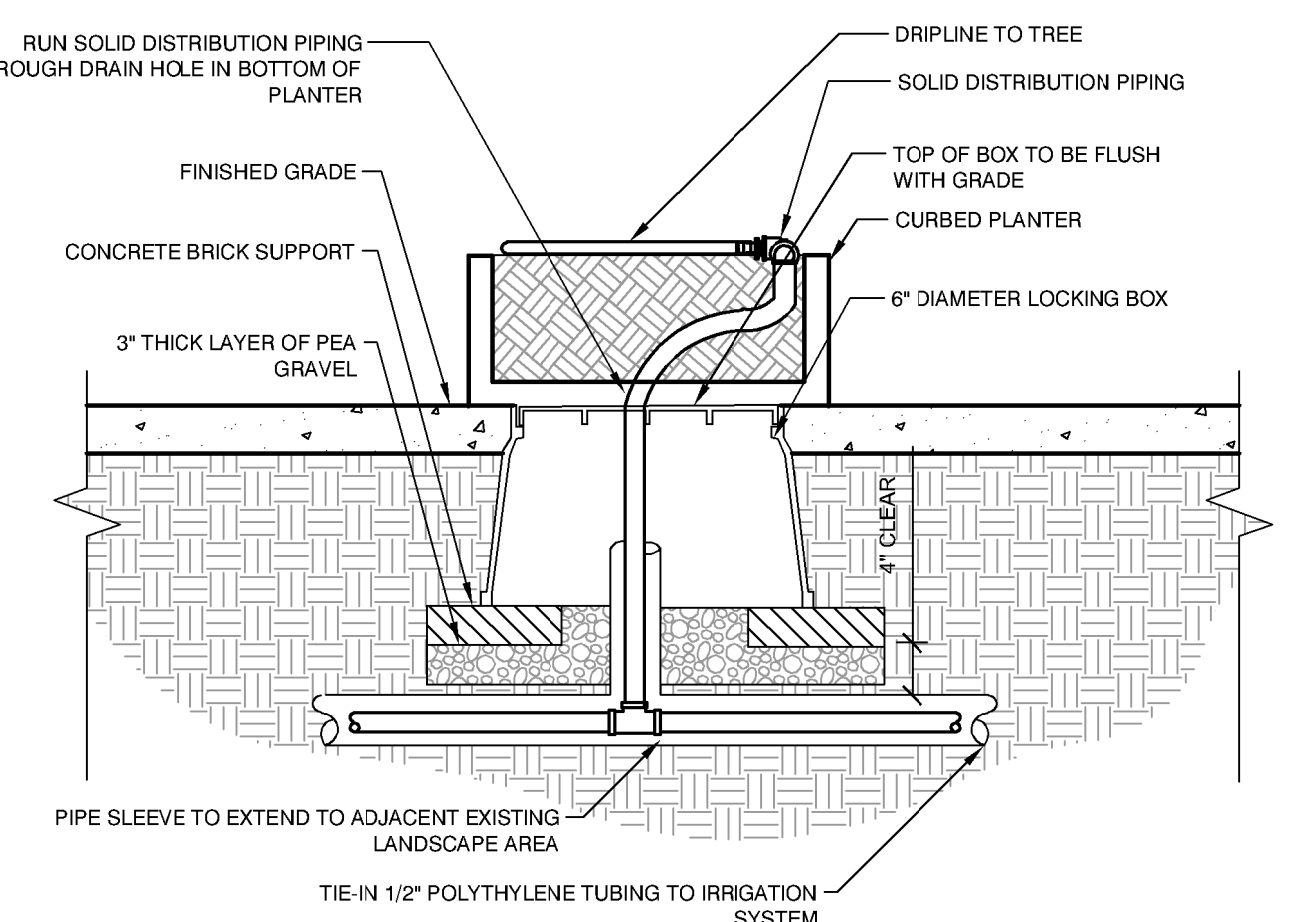
4 TYPICAL SPRAY / ROTAR HEAD
IR1.1 SECTION NTS



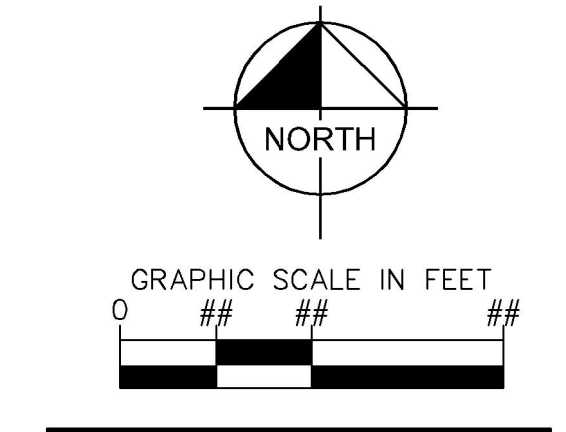
5 DRIP EMITTER AT 1/4\"/>



6 TYPICAL SLEEVING
IR1.1 SECTION NTS



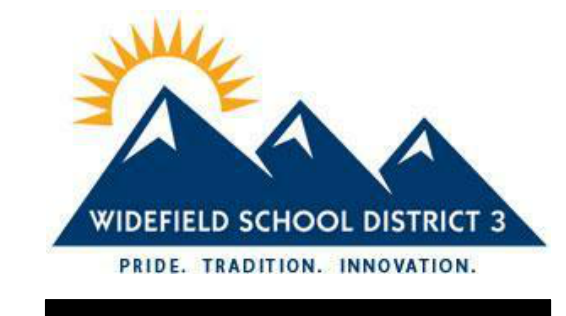
7 DRIP EMITTER THROUGH PLANTER
IR1.1 SECTION NTS



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**Webster Elementary School
Addition and Alterations**
445 Jersey Lane, Colorado Springs, CO 80911

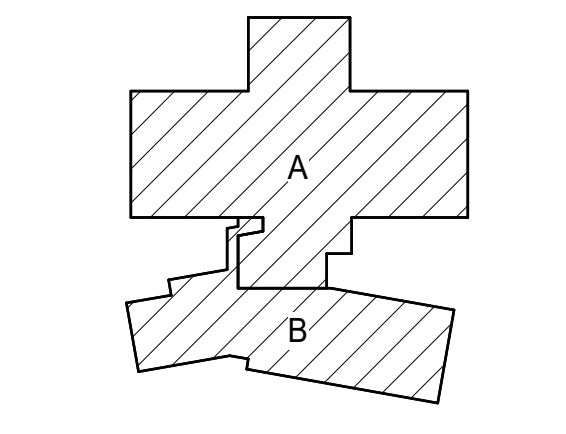
Widefield School District 3
1820 Main Street
Colorado Springs, CO 80911



CONSTRUCTION DOCUMENTS

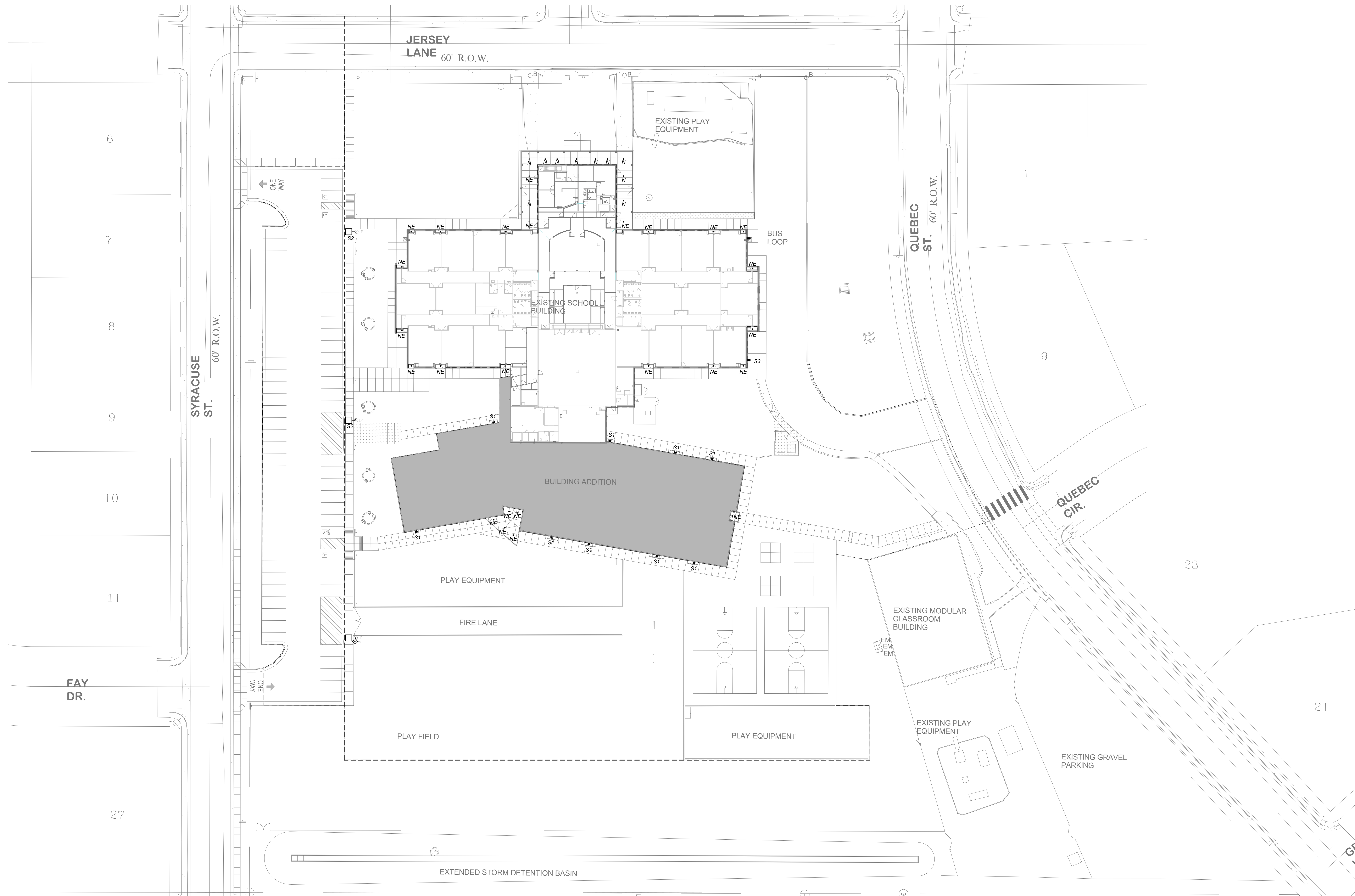
Drawn: _____ CBW
Checked: _____ JTV
Issued: _____ 4 April 2022
Revised: _____

Area Key Plan

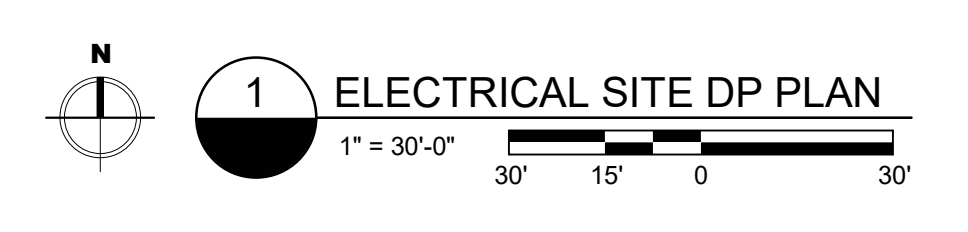


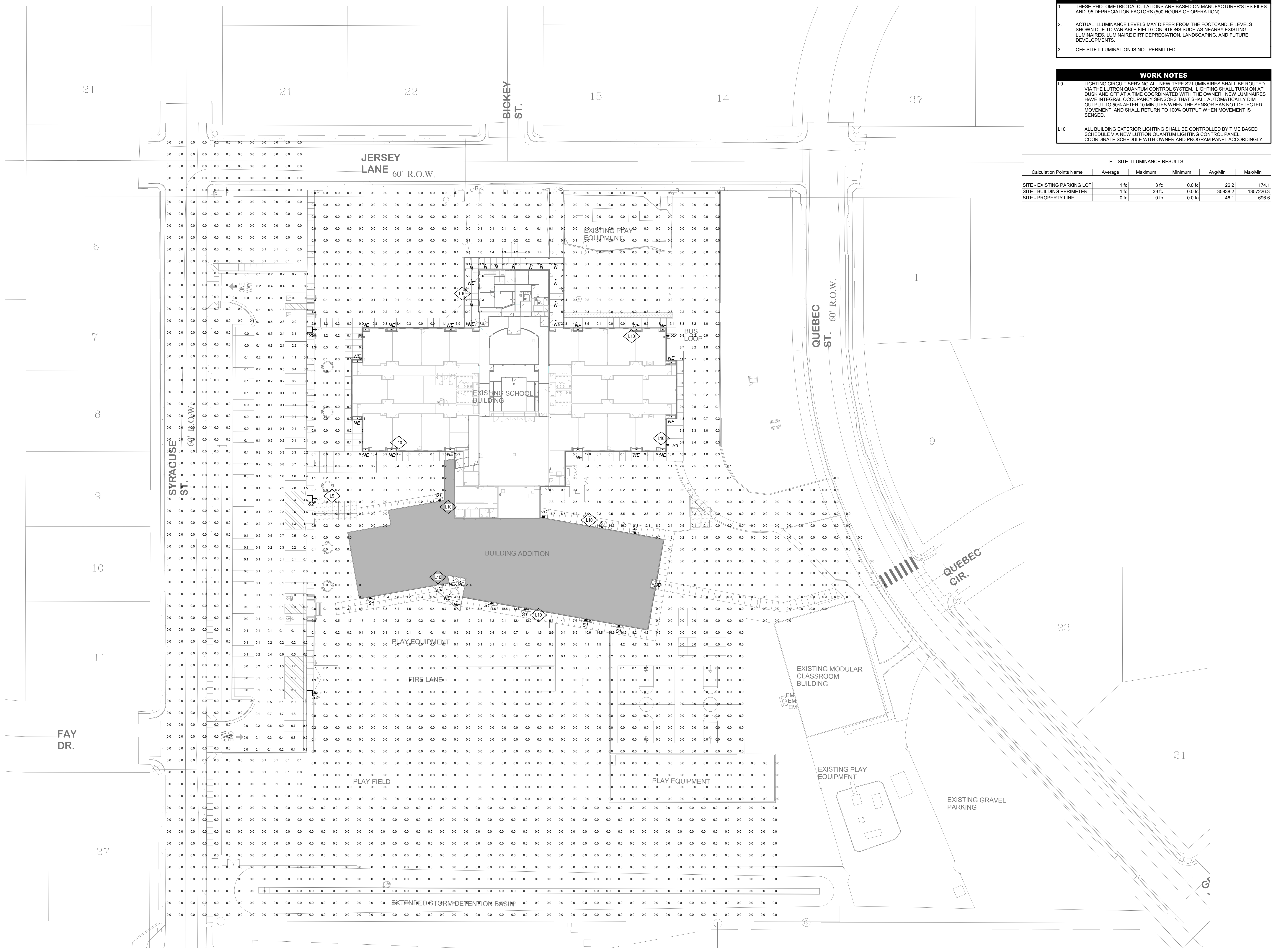
ELECTRICAL SITE DP PLAN

E1.0S
Project No. 21-003
The LKA Partners Incorporated



EXTERIOR LUMINAIRE SCHEDULE																
KEY	SOURCE			POWER				DESCRIPTION	FINISH	MOUNTING			MANUFACTURER	CATALOG #	NOTES	
	TYPE	CRI	CCT	DELIVERED LUMENS	VOLT	VA	DRIVER/BALLAST			DIMMING	TYPE	DEPTH				MOUNT HEIGHT
N	LED	80+	4000K	3158	277 V	34	0-10V	1%	6" ROUND LED DOWNLIGHT WITH DAMP LISTING	SEMI-SPECULAR	RECESSED	6.68"		PRESCOLITE	LTR-6RD-H-ML30L-DM1-LTR-6RD-T-ML40K8WD-SSWT	
NE	LED	80+	4000K	3158	277 V	34	0-10V	1%	6" ROUND LED DOWNLIGHT WITH DAMP LISTING AND BATTERY BACKUP	SEMI-SPECULAR	RECESSED	6.68"		PRESCOLITE	LTR-6RD-H-ML30L-DM1EM-LTR-6RD-T-ML40K8WD-SSWT	
S1	LED	80+	4000K	9922	277 V	87	0-10V	10%	LED WALL MOUNTED FULL CUT OFF AREA LIGHT W/ BATTERY BACKUP	VFY WITH ARCH	WALL		+9'-0" TO CENTER	HUBBELL	TRP2-24L-70-4K8-3-UNV-ARCH TO SELECT	
S2	LED	70+	4000K	12275	277 V	110	0-10V	10%	LED PARKING LOT LUMINAIRE ON 20'-0" ROUND TAPERED STEEL POLE	VFY WITH ARCH	POLE			BEACON	VPS-48L-110-4K7-3-UNV-A4-ARCH TO SELECT-NXSP40F POLE-RTS-B-20-70-A-1-SS-ARCH TO SELECT-SBC	
S3	LED	80+	4000K	8864	277 V	65	0-10V	10%	LED WALL MOUNTED FULL CUT OFF AREA LIGHT W/ TYPE IV WIDE DISTRIBUTION	VFY WITH ARCH	WALL		+9'-6" TO CENTER	BEACON	VPS-36L-65-4K7-4W-UNV-WB-ARCH TO SELECT-NXSP	





GENERAL NOTES

- THESE PHOTOMETRIC CALCULATIONS ARE BASED ON MANUFACTURER'S IES FILES AND .95 DEPRECIATION FACTORS (500 HOURS OF OPERATION).
- ACTUAL ILLUMINANCE LEVELS MAY DIFFER FROM THE FOOTCANDLE LEVELS SHOWN DUE TO VARIABLE FIELD CONDITIONS SUCH AS NEARBY EXISTING LUMINAIRES, LUMINAIRE DIRT DEPRECIATION, LANDSCAPING, AND FUTURE DEVELOPMENTS.
- OFF-SITE ILLUMINATION IS NOT PERMITTED.

WORK NOTES

L0 LIGHTING CIRCUIT SERVING ALL NEW TYPE S2 LUMINAIRES SHALL BE ROUTED VIA THE LUTRON QUANTUM CONTROL SYSTEM. LIGHTING SHALL TURN ON AT DUSK AND OFF AT A TIME COORDINATED WITH THE OWNER. NEW LUMINAIRES HAVE INTEGRAL OCCUPANCY SENSORS THAT SHALL AUTOMATICALLY DIM OUTPUT TO 50% AFTER 10 MINUTES WHEN THE SENSOR HAS NOT DETECTED MOVEMENT, AND SHALL RETURN TO 100% OUTPUT WHEN MOVEMENT IS SENSED.

L10 ALL BUILDING EXTERIOR LIGHTING SHALL BE CONTROLLED BY TIME BASED SCHEDULE VIA NEW LUTRON QUANTUM LIGHTING CONTROL PANEL. COORDINATE SCHEDULE WITH OWNER AND PROGRAM PANEL ACCORDINGLY.

E - SITE ILLUMINANCE RESULTS

Calculation Points Name	Average	Maximum	Minimum	Avg/Min	Max/Min
SITE - EXISTING PARKING LOT	1 fc	3 fc	0.0 fc	26.2	174.1
SITE - BUILDING PERIMETER	1 fc	39 fc	0.0 fc	35838.2	1357226.3
SITE - PROPERTY LINE	0 fc	0 fc	0.0 fc	46.1	696.6

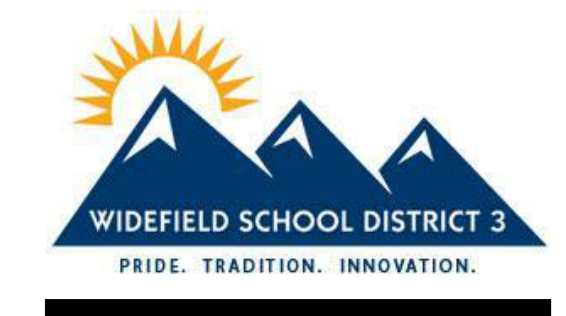
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Webster Elementary School Addition and Alterations
 445 Jersey Lane, Colorado Springs, CO 80911

Widefield School District 3
 1820 Main Street
 Colorado Springs, CO 80911



CONSTRUCTION DOCUMENTS

Drawn: CBW
 Checked: JTV
 Issued: 4 April 2022
 Revised:

Area Key Plan

True North
 Plan North

ELECTRICAL SITE LIGHTING PLAN - PHOTOMETRY

E1.1S
 Project No. 21-003
 The LKA Partners Incorporated

1 ELECTRICAL SITE PLAN - PHOTOMETRY
 1" = 30'-0"
 30' 15' 0'

4/4/2022 5:00:19 PM

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prescolite
LTR-6RD
LITEISTRY 6" ROUND DOWNLIGHT

DATE: LOCATION:
TYPE: N & N3 PROJECT:
CATALOG #:

LITEISTRY

RELATED PRODUCTS

U.S. SR DLC US BUILT AMERICAN
LITEISTRY 6" ROUND DOWNLIGHT

CONTROL TECHNOLOGY

NX DISTRIBUTED INTELLIGENCE

SPECIFICATIONS

CONSTRUCTION

- Standard Non-IC, Chicago Plenum and IC Options
- Pre-fabricated black durable steel platform with pre-installed bar hangers
- Pre-wired junction box with snap-on covers for easy access
- Snap-on connection for driver component allows easy installation
- Light Engine connections use premium rated CLM3 cable
- Light Engine is free of distracting bright spots or glare and the perimeter has a smooth transition
- Optical grade silicone lens integral to light engine
- High quality cast aluminum reflector, self-forged
- Flush Mount Range option with flush-in ring available
- Large selection of end-of-roof finishes and colors
- Planted covers and fange options available

RELECTED PRODUCTS

LTR-6RD-BEH Retrofit
LITEISTRY Range
LITEISTRY 6" ROUND DOWNLIGHT
LITEISTRY 6" ROUND DOWNLIGHT

KEY DATA

Key Data	Value
Lumen Range	600-9000
Wattage Range	8-99
Efficacy Range (LPW)	94-104*
Reported Life (Hours)	150,000
Input Current Range (Amps)	0.55-25.0 (2W)

prescolite
LTR-6RD
LITEISTRY 6" ROUND DOWNLIGHT

DATE: LOCATION:
TYPE: N & N3 PROJECT:
CATALOG #:

LITEISTRY

ORDERING GUIDE

Example: LTR-6RD-4H-SLUL-CMI-LTR-6RD-1-SL36BMD-5

HOUSING

LTR-6RD-H

Lumen Package	Driver Options	Control Options	Voltage	Housing Options
SL Standard Lumen	DM8 0-10V Dimming to 1% DM9 0-10V Dimming to 1% DM10 0-10V Dimming to 1% DALI DALI Dimming to 1% DALI DALI Dimming to 1% DALI DALI Dimming to 1% DALI DALI Dimming to 1%	NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled	277V 277V 347V 347V 347V 347V 347V 347V 347V 347V 347V 347V	CP Chicago Plenum IC Chicago Plenum EM Emergency Battery Pack with integral test and load EM Emergency Battery Pack with integral test and load EM Emergency Battery Pack with integral test and load EM Emergency Battery Pack with integral test and load

TRM

LTR-6RD-T

Lumen Package	Driver Options	Control Options	Voltage	Housing Options
SL Standard Lumen	DM8 0-10V Dimming to 1% DM9 0-10V Dimming to 1% DM10 0-10V Dimming to 1% DALI DALI Dimming to 1% DALI DALI Dimming to 1% DALI DALI Dimming to 1%	NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled	277V 277V 347V 347V 347V 347V 347V 347V 347V 347V 347V 347V	CP Chicago Plenum IC Chicago Plenum EM Emergency Battery Pack with integral test and load EM Emergency Battery Pack with integral test and load EM Emergency Battery Pack with integral test and load EM Emergency Battery Pack with integral test and load

TRM CONTINUED

Reflector Finish	Reflector Color	Range Color Option	Control Options	Reflector Option
Reflector Finish	Reflector Color	Range Color Option	Control Options	Reflector Option

HUBBELL
GEOPAK Series 2
SIZE 2 - TRP2/QSP2/RD/2

DATE: LOCATION:
TYPE: S1 PROJECT:
CATALOG #:

GEOPAK Series 2

RELATED PRODUCTS

RDR-Geopak
TRP-Geopak
QSP-Geopak

SPECIFICATIONS

CONSTRUCTION

- Die-cast aluminum housing and door
- Seven power cord standard finishes, plus custom color options
- Up to 146 lumens per watt
- Different lenses offer a variety of distribution patterns - Type I, II, III and IV (Forward throw)
- 3000K - 70 CRI, 4000K - 70 CRI and 5000K - 70 CRI, CCT
- Power cord available in 18', 24' and 30'
- 3000K - 70 CRI, 4000K - 70 CRI and 5000K - 70 CRI, CCT
- Power factor > 90%
- TyD (Total Harmonic Distortion) < 20%
- Ambient operating temperature -40C to 40C
- 20kA surge protection (beta)
- Automatically blank fixture outline when power is consumed

ELECTRICAL (CONTINUED)

- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Includes a long-life Lithium Iron Phosphate battery with optional battery heater for cold temperature application
- Utilizes a LEDs in emergency mode with EET lumens. Each of the 4 LEDs in emergency are designed to function independently in the unlikely event of a single LED malfunction
- Spectrophotometric self-diagnostic electronics are included standard
- Independent dedicated driver and LED array for battery emergency mode operation

INSTALLATION

- Quick-install adapter with gasket seal provides easy installation to wall or to recessed junction box (IP 20, IP 30, IP 40, IP 54)
- Flush Mount Adapter (IP 30, IP 40, IP 54)
- Black box accessory available for surface or recessed application

KEY DATA

Key Data	Value
Lumen Range	3,200-11,600
Wattage Range	28-87
Efficacy Range (LPW)	102-146*
Reported Life (Hours)	170-60K
Input Current Range (Amps)	16-18 (17.8-2)

HUBBELL
GEOPAK Series 2
SIZE 2 - TRP2/QSP2/RD/2

DATE: LOCATION:
TYPE: S1 PROJECT:
CATALOG #:

GEOPAK Series 2

RELATED PRODUCTS

RDR-Geopak
TRP-Geopak
QSP-Geopak

ACCESSORIES (ORDERED SEPARATELY)

Accessory Name	Description
BCP-IMOTIP	Remote control for 50' system. Order at least per pair
BB-60-XX	Black box with 412" recessed canopy lens. Specify finish by replacing "XX" with finish selection, eg. Dark Bronze 'DB'

KEY DATA

Key Data	Value
Lumen Range	3,200-11,600
Wattage Range	28-87
Efficacy Range (LPW)	102-146*
Reported Life (Hours)	170-60K
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BEACON
VIPER S
SMALL VIPER LUMINAIRE

DATE: LOCATION:
TYPE: S2 & S3 PROJECT:
CATALOG #:

VIPER S

RELECTED PRODUCTS

VIPER Large

CONTROL TECHNOLOGY

WISCAPe energent Sitebyline

SPECIFICATIONS

CONSTRUCTION

- Corrosion resistant, die-cast aluminum housing with powder coat paint finish rated for 1000 hour salt spray
- External hardware is corrosion resistant
- Designed to replace HID lighting up to 400W MH or HPS
- Substitue for wet locations

RELECTED PRODUCTS

VIPER Large

KEY DATA

Key Data	Value
Lumen Range	1,045-18,276
Wattage Range	39-136
Efficacy Range (LPW)	100-124*
Reported Life (Hours)	170,000-20,000
Input Current Range (Amps)	0.1-1.1

BEACON
VIPER S
SMALL VIPER LUMINAIRE

DATE: LOCATION:
TYPE: S2 & S3 PROJECT:
CATALOG #:

VIPER S

ORDERING GUIDE

Example: VPS-24L-39-39W-LED-4R-LINVA-A-DIB-TL-GEN-04-BC

VPS

Series	LED Engine	OCC/OB	Distribution	Basis	Voltage
VPS Viper Small	24L-39 39W LED array 24L-39 39W LED array 36L-65 65W LED array 36L-65 65W LED array 48L-102 102W LED array 60L-138 138W LED array	3K7 300K, 70 CRI 4K7 400K, 70 CRI 5K7 500K, 70 CRI	FR Type I Front Row FR Type II FR Type III FR (Front Row 4) FR Type I Flood FR Type II Flood FR Type III Flood FR Type IV Flood FR Type V Flood FR Type VI Flood FR Type VII Flood FR Type VIII Flood FR Type IX Flood FR Type X Flood FR Type XI Flood FR Type XII Flood FR Type XIII Flood FR Type XIV Flood FR Type XV Flood FR Type XVI Flood FR Type XVII Flood FR Type XVIII Flood FR Type XIX Flood FR Type XX Flood FR Type XXI Flood FR Type XXII Flood FR Type XXIII Flood FR Type XXIV Flood FR Type XXV Flood FR Type XXVI Flood FR Type XXVII Flood FR Type XXVIII Flood FR Type XXIX Flood FR Type XXX Flood	NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled NIKE No Wireless Enabled	120V 120V 277V 277V 480V 480V

House Side Shield Accessories

Mounting Accessories

KEY DATA

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Lumen Range	1,045-18,276
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Input Current Range (Amps)	0.1-1.1

HUBBELL
TRP2/RDR/QSP2/LR-5PC

DATE: LOCATION:
TYPE: S1 PROJECT:
CATALOG #:

TRP2/RDR/QSP2/LR-5PC

RELATED PRODUCTS

RDR-Geopak
TRP-Geopak
QSP-Geopak

SPECIFICATIONS

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- TyD (Total Harmonic Distortion) < 20%
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HUBBELL
TRP2/RDR/QSP2/LR-5PC

DATE: LOCATION:
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TRP2/RDR/QSP2/LR-5PC

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ENGINEERING | TECHNOLOGY | LIFE SAFETY
BCER PROJECT 2352-1038

CONSTRUCTION DOCUMENTS

Drawn: CBW
Checked: JTV
Issued: 4 April 2022
Revised:

Area Key Plan

ELECTRICAL SITE DP CUT SHEETS

True North Plan North

E1.2S

Project No. 21-003
The LKA Partners Incorporated