

**Construction Bulletin # 01**

Client: Abla Griffin Partnership  
 Project Name: MPS Daycare  
 Project Number: 2450-70304-00

January 14, 2025

Requested by:  Owner  
 Contractor:  
 Salas O'Brien:



To: Mike Abla, Clay Griffin

This Construction Bulletin is issued to:

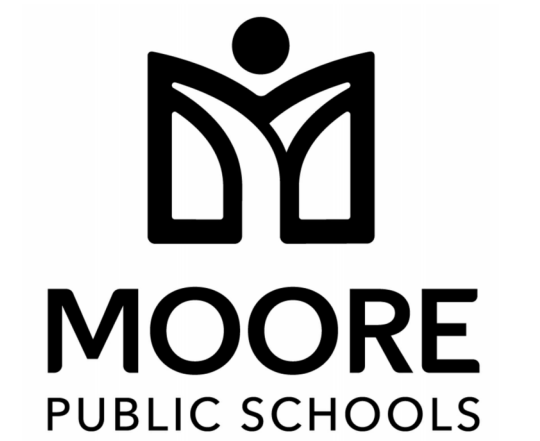
- Offer additional information for clarification or supplemental drawings for layout assistance.
- Request cost and time impact to initiate a change to the Contract Documents. Owner approval is required, do not commence with revisions unless directed in writing. Avoid Work in areas that may be affected by proposed change until approved or rejected. Once approved, forward Change Order documentation as required by the Contract Documents.
- Direct a required change in the Contract Documents. Proceed with change(s) as indicated. Forward Change Order documentation as required by the Contract Documents.
- Response to RFI \_\_\_\_\_.

Item No.	Description	Attachment
1	Refer to clouds and deltas	P001
2	Refer to clouds and deltas	P101
3	Refer to clouds and deltas	P110
4	Refer to clouds and deltas	P301
5	Refer to clouds and deltas	P601

**END OF CB-01**



KS	drawn by
KP	checked by
OCTOBER 2024	date
revisions	
1	11/22/2024 AD 02
2	12/12/2024 AD 03
3	01/14/2025 CB01



CHILD CARE FACILITY  
201 N. EASTERN AVE.

sheet no:

## P001

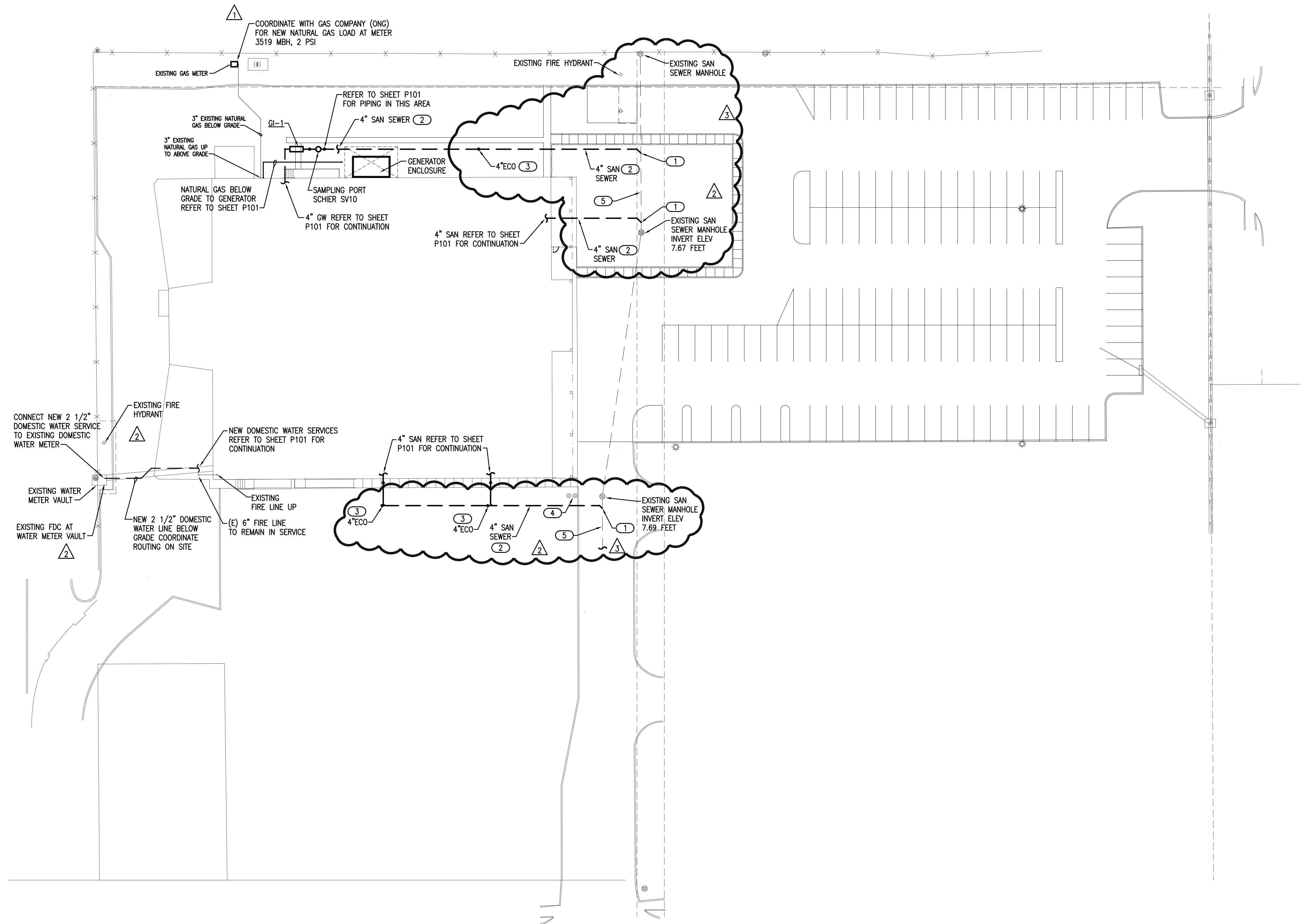
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### GENERAL NOTES

- COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- PRIOR TO COMMENCING WORK, COORDINATE WITH SITE CONTRACTOR FOR SANITARY SEWER AND WATER INVERT ELEVATIONS.
- COORDINATE ALL BELOW GRADE NATURAL GAS PIPE ROUTING WITH EXISTING SITE CONDITIONS.

### KEYED NOTES

- SITE CONTRACTOR TO FIELD VERIFY AND CONNECT NEW 4" SANITARY SEWER TO EXISTING SANITARY SEWER PER CITY REQUIREMENTS.
- PLUMBING CONTRACTOR TO COORDINATE WITH SITE CONTRACTOR FOR INSTALLING NEW BELOW GRADE SANITARY SEWER PIPING.
- PLUMBING CONTRACTOR TO COORDINATE WITH SITE CONTRACTOR FOR INSTALLING NEW EXTERIOR SEWER CLEANOUT.
- COORDINATE WITH SITE CONTRACTOR FOR REMOVAL OF EXISTING GREASE WASTE PIPING, GREASE INTERCEPTOR, CLEANOUTS AND SEWER PIPING TO MANHOLE.
- SITE CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING SANITARY SEWER PIPE.



### 1 PLUMBING SITE PLAN

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



**Salas O'Brien**  
2900 S. Telephone Road, Suite 120  
Moore, OK 73160  
Salas O'Brien Registration: CA# 7058  
Expiration Date: 6/30/2025  
Salas O'Brien Project Number: 2450-70304-00



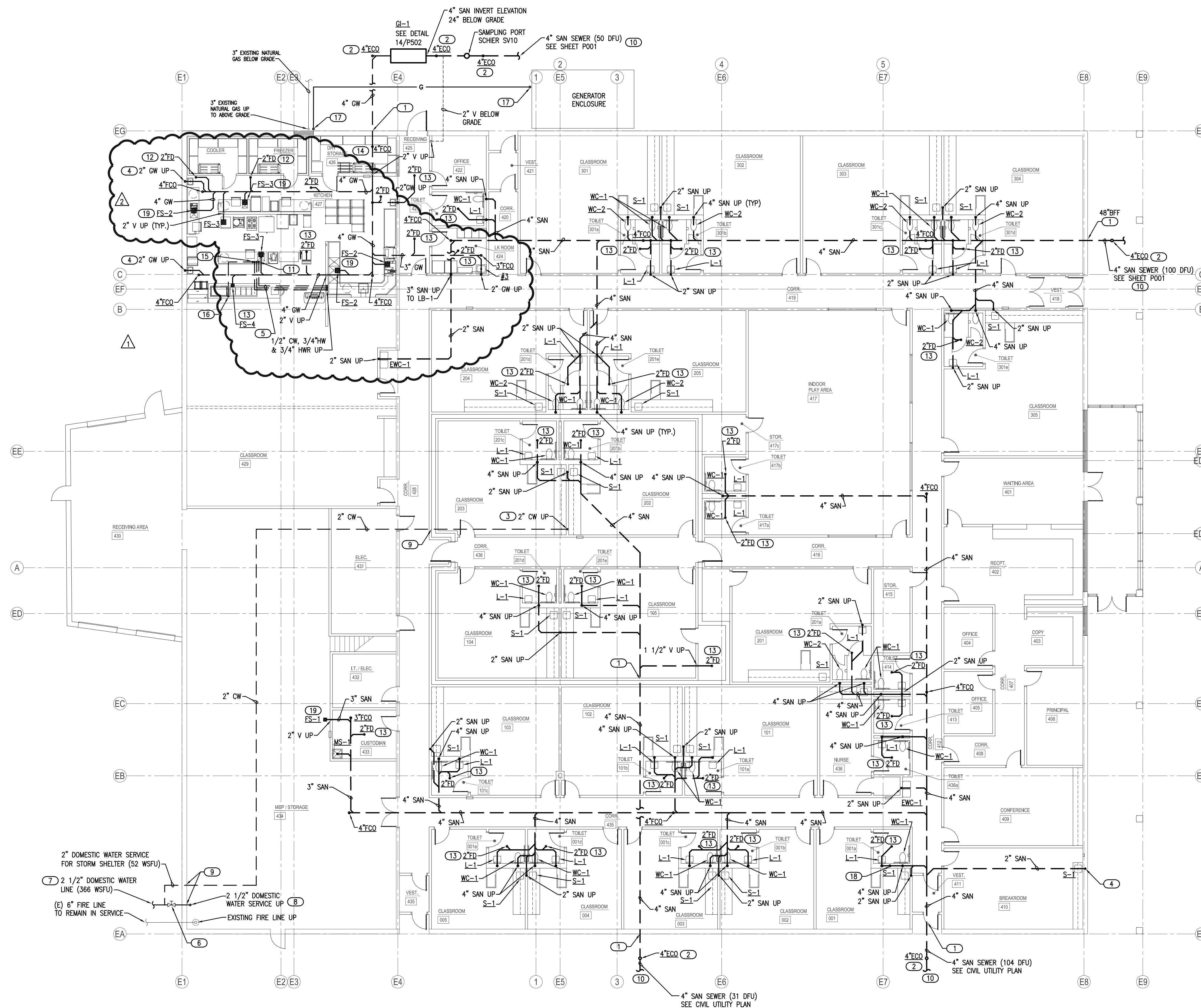


### GENERAL NOTES

- COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
- COORDINATE ALL BELOW GRADE PIPE ROUTING WITH STRUCTURAL FOUNDATIONS AND REQUIRED PIPE SLEEVES THRU FOUNDATION PENETRATIONS.
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- PRIOR TO COMMENCING WORK, COORDINATE WITH SITE CONTRACTOR FOR SANITARY SEWER AND WATER INVERT ELEVATIONS.
- REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P601 FOR FIXTURE ROUGH-IN PIPE SIZES. REFER TO ISOMETRIC SHEETS P301 AND P302 FOR ADDITIONAL PIPE SIZES.
- PIPE TRENCHES SHALL HAVE SAND BEDDING TO A MINIMUM POINT 6" ABOVE THE TOP OF PIPE. REFER TO SPECIFICATIONS.
- TRAP PRIMER LINES SHALL BE COPPER TYPE "K" OR PEX-0 TUBING WITH CONTINUOUS SLOPE TOWARDS DRAIN CONNECTION.
- COORDINATE WITH GENERAL CONTRACTOR FOR ALL REQUIRED FLOOR CUTTING AND PATCHING TO INSTALL NEW BELOW GRADE/FLOOR PIPING.
- INSTALL TRAP PRIMER LINES TO ALL FLOOR DRAINS AND FLOOR SINKS. SEE DETAIL 1/P501.

### KEYED NOTES

- PROVIDE CAST IRON PIPE SLEEVE FOR SANITARY OR GREASE WASTE PIPE BELOW OR THRU FOUNDATION WALL OR GRADE BEAM. INSTALL FOAM SPACER BLOCKS TO MAINTAIN PIPE IN CENTER OF SLEEVE. COORDINATE PIPE SLEEVE INSTALLATION WITH STRUCTURAL.
- INSTALL 4" EXTERIOR CLEANOUT IN CONCRETE PAD AT GRADE. COORDINATE INVERT ELEVATION WITH CIVIL. SEE DETAIL 4/P501.
- INSTALL PVC PIPE SLEEVE THRU CONCRETE FLOOR AND STUB UP 2" AFF FOR WATER LINE. INSTALL FOAM PIPE INSULATION ON WATER LINE IN SLEEVE. SEAL SLEEVE OPENINGS WATERTIGHT.
- ROUTE 2" SANITARY OR GREASE WASTE UP INTO FUR OUT OF EXISTING CMU WALL. COORDINATE PIPE ROUTING WITH EXISTING WALL FOOTING.
- ROUTE 1/2" CW, 3/4" HW AND 3/4" HWR (PEX-0 TUBING) BELOW FLOOR TO COOK'S TABLE PREP SINK.
- INSTALL DOMESTIC WATER CURB STOP IN NEW WATER SERVICE WITH ACCESS COVER AT GRADE.
- REMOVE EXISTING BELOW GRADE 1 1/2" DOMESTIC WATER SERVICE PIPE FROM BUILDING OUT TO WATER METER CONNECTION. REPLACE WITH 2 1/2" PIPE. COORDINATE WORK WITH SITE CONTRACTOR AND CITY WATER UTILITY DEPARTMENT. SEE SHEET P001 FOR CONTINUATION.
- REMOVE EXISTING 1 1/2" DOMESTIC WATER SERVICE PIPE AND REPLACE WITH 2 1/2" PIPE. INSTALL PIPE IN PVC PIPE SLEEVE THRU CONCRETE FLOOR. INSULATE PIPE IN SLEEVE WITH CELLULAR FOAM INSULATION.
- COORDINATE WITH STRUCTURAL FOR ROUTING WATER LINE IN PIPE SLEEVE THRU FOOTING OR FOUNDATION WALL IN THIS AREA.
- COORDINATE 4" SANITARY SEWER CONNECTION TO EXISTING SEWER MANHOLE WITH SITE CONTRACTOR.
- ROUTE 1/2" CW, 3/4" HW AND 3/4" HWR (PEX-0 TUBING) FROM BELOW FLOOR UP TO SERVE COOK'S TABLE PREP SINK. INSTALL PIPE SLEEVE AT FLOOR PENETRATION FOR WATER LINES. INSULATE WATER LINES WITH FOAM INSULATION IN SLEEVE. SEE SHEET P110 FOR CONTINUATION.
- INSTALL FUNNEL FASTENED TO STRAINER FOR CONDENSATE DRAIN LINES FROM FREEZER AND COOLER. MINIMUM FUNNEL HEIGHT 3" AND TOP DIAMETER 4". PROVIDE TRAP PRIMER LINE TO FLOOR DRAIN.
- INSTALL TRAP PRIMER LINE TO FLOOR DRAIN. SEE DETAIL 1/P501.
- INSTALL 4" FLOOR CLEANOUT AND ROUTE 4" GREASE WASTE DOWN AND THRU EXISTING WALL FOOTING. COORDINATE ROUTING WITH STRUCTURAL.
- ROUTE 1/2" HW (PEX-0 TUBING) FROM BELOW FLOOR UP TO HW LINE SERVING SINK. INSTALL PIPE SLEEVE AT FLOOR PENETRATION FOR WATER LINES. INSULATE WATER LINE WITH FOAM INSULATION IN SLEEVE.
- ROUTE 1/2" HW (PEX-0 TUBING) FROM BELOW FLOOR UP SERVING FOOD WELL FAUCET. INSTALL PIPE SLEEVE AT FLOOR PENETRATION FOR WATER LINES. INSULATE WATER LINE WITH FOAM INSULATION IN SLEEVE. SEE SHEET P110 FOR CONTINUATION.
- INSTALL 1" NATURAL GAS (2 PSI) ANODELESS GAS RISER FOR TRANSITION FROM BELOW GRADE MOPE TUBING TO ABOVE GRADE BLACK IRON PIPE. COORDINATE LOCATION ON SITE.
- ROUTE 3" SANITARY UP TO OPEN SITE DRAIN IN CHASE FOR CONDENSATE DRAIN LINES.
- ROUTE TRAP PRIMER LINE ABOVE FLOOR AND OVER FLOOR SINK WITH AIR GAP. SEE DETAIL.



### 1 PLUMBING PLAN - BELOW GRADE

SCALE: 3/32" = 1'-0"

**Salas O'Brien**  
2800 S. Telephone Road, Suite 120  
Moore, OK 73160  
Salas O'Brien Registration: CA# 7058  
Expiration Date: 6/30/2025  
Salas O'Brien Project Number: 2450-70304-00





- KEYED NOTES**
- 36 INSTALL 120 GALLON VERTICAL PROPANE TANK WITH SUPPORT STRAP FASTENED TO WALL. INSTALL 2-STAGE PRESSURE REGULATOR WITH VENT PIPED TO ROOF WITH GOOSENECK. ROUTE 1" PROPANE GAS LINE WITH FLEXIBLE CONNECTION TO GENERATOR. (355 MBH, 10" W.C. PRESSURE). COORDINATE CONNECTION WITH GENERATOR SUPPLIER ON SITE. PRESSURE REGULATOR LOCATED 10'-0" FROM GENERATOR CONNECTION.
  - 37 DUAL FUEL GENERATOR WITH AUTOMATIC SWITCH OVER TO PROPANE WHEN UNIT SENSORS LOSS OF NATURAL GAS PRESSURE IN FUEL INLET 1.
  - 38 INSTALL 2" OPEN SITE DRAIN IN CHASE FOR CONDENSATE DRAIN LINES FROM RTU'S. CONNECT TO SANITARY SERVING LAVATORY. COORDINATE ROUTING WITH MC. COORDINATE WALL ACCESS PANEL WITH GC.
  - 39 INSTALL 1 1/2" OPEN SITE DRAIN IN SINK CABINET FOR CONDENSATE DRAIN LINES FROM RTU'S. CONNECT TO SANITARY SERVING SINK. COORDINATE ROUTING WITH MC.

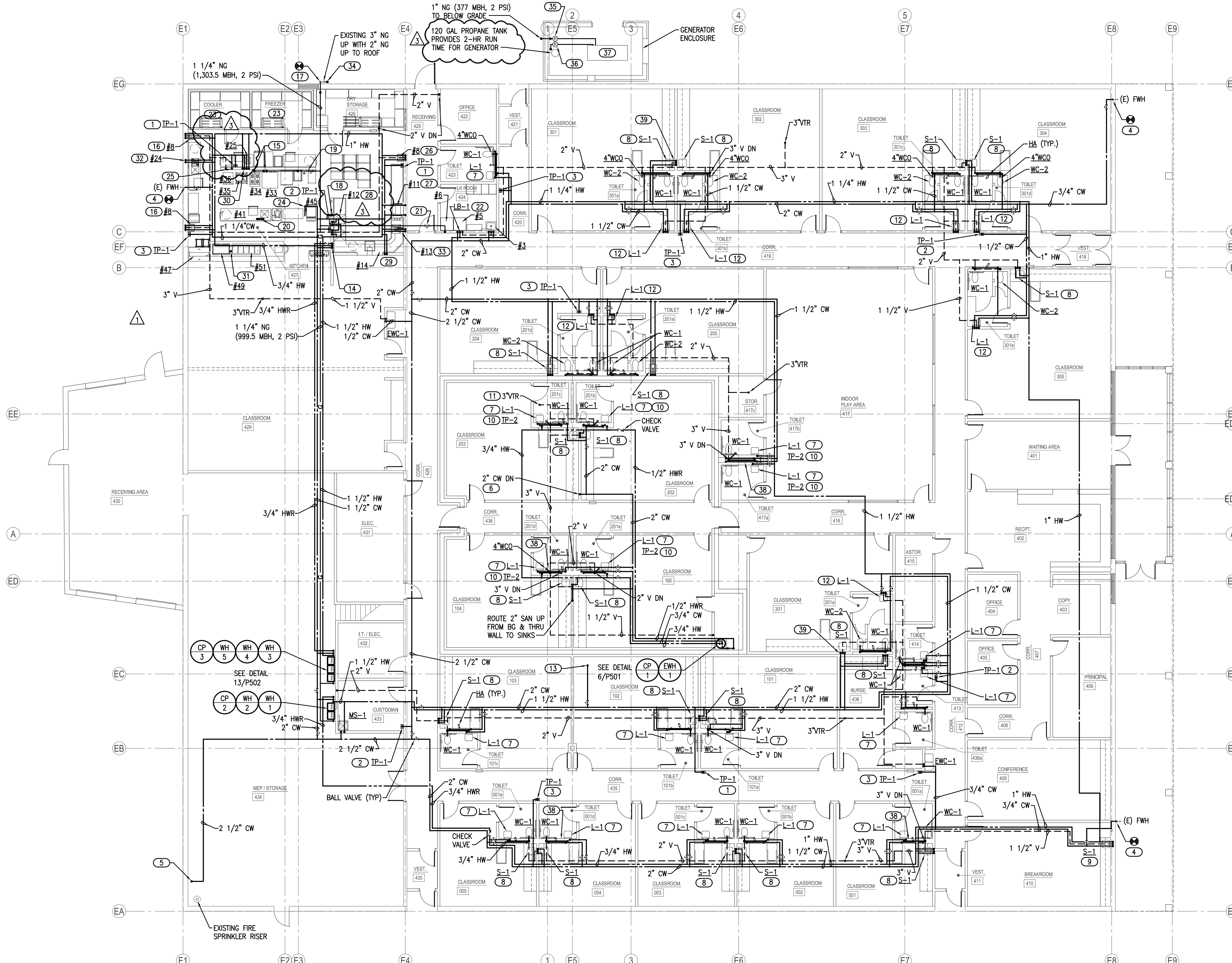
- KEYED NOTES**
- 32 ROUTE 1/2" CW AND 1/2" HW DOWN IN FUR OUT OF EXISTING CMU WALL TO SERVE PREP SINK #24 PROVIDED BY FSC. COORDINATE PIPE ROUTING WITH GC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
  - 33 3/4" CW AND 3/4" HW DROPS IN WALL TO SERVE FAUCET AND HOSE REEL #13 PROVIDED BY FSC. ROUTE DRAIN LINE TO FLOOR SINK WITH AIR GAP. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
  - 34 CONNECT NEW 1" NATURAL GAS LINE (2 PSI) WITH LOCKABLE SHUT-OFF VALVE TO EXISTING 3" NATURAL GAS RISER AND ROUTE DOWN TO BELOW GRADE TO SERVE GENERATOR.
  - 35 INSTALL 1" NATURAL GAS (2 PSI) BALL VALVE, DRIP LEG, PRESSURE REGULATOR, UNION AND FINAL 1" CONNECTION (10" W.C. PRESSURE) WITH FLEXIBLE CONNECTION TO GENERATOR. COORDINATE CONNECTION WITH GENERATOR SUPPLIER ON SITE. PRESSURE REGULATOR LOCATED 10'-0" FROM GENERATOR CONNECTION.

- KEYED NOTES**
- 28 3/4" CW AND 3/4" HW DROPS IN WALL TO SERVE 2 FAUCETS AT #12 3-COMPARTMENT SINK PROVIDED BY FSC. ROUTE DRAIN LINES TO FLOOR SINK WITH AIR GAP. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION. SEE DETAIL 15/P502.
  - 29 ROUTE 3/4" CW AND 3/4" HW DOWN IN WALL TO BELOW COUNTERTOP. STUB OUT. INSTALL BALL VALVES AND CONNECT TO WATER TROUGH MIXING VALVE FURNISHED BY FSC. SEE FSC SHEET FS301.
  - 30 1/2" CW AND 1/2" HW DOWN IN WALL TO SERVE KETTLE #35 FAUCET PROVIDED BY FSC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
  - 31 CONNECT 1/2" HW TO FAUCET AT SERVING COUNTER FOOD WELL. ROUTE 1/2" HW LINE DOWN WITH TRANSITION TO PEX TUBING TO BELOW FLOOR. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTIONS.

- KEYED NOTES**
- 24 ROUTE 1/2" CW DOWN TO WATER FILTER AND CONNECT TO ICE MAKER #45. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION. ICE MAKER PROVIDED BY KEC. ROUTE DRAIN LINE TO FLOOR DRAIN.
  - 25 INSTALL 3/4" CW DROP IN WALL TO SERVE CONVENTION STEAMER PROVIDED BY KEC. ROUTE DRAIN LINE TO FLOOR SINK WITH AIR GAP. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
  - 26 ROUTE 1/2" CW, 1/2" HW AND 2" VENT DOWN IN WALL TO SERVE HAND SINK PROVIDED BY KEC. PROVIDE THERMOSTATIC MIXING VALVE TMV-1 AND PIPE WRAP UNDER FIXTURE. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
  - 27 1/2" CW AND 3/4" HW DROPS IN WALL TO SERVE DISHWASHER #11 PROVIDED BY KEC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION. PROVIDE WATER ARRESTORS, PRVs AND BALL VALVES ON WATER LINES IN ACCESSIBLE LOCATION. ROUTE DRAIN LINE TO FLOOR SINK.

- GENERAL NOTES**
- COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
  - PROVIDE WATER HAMMER ARRESTORS (HA) ON WATER LINES TO FLUSH VALVES, AND QUICK CLOSING VALVES. LOCATE UNITS IN ACCESSIBLE LOCATIONS.
  - SINK AND LAVATORY WATER SUPPLY STUB OUTS SHALL BE COPPER PIPE WITH SUPPORT BRACKET FASTENED IN WALL CAVITY.
  - FIRE SEAL ALL PENETRATIONS THRU RATED STRUCTURES TO MAINTAIN FIRE RATING.
  - REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P601 FOR FIXTURE ROUGH-IN PIPE SIZES. REFER TO ISOMETRIC SHEETS P301 AND P302 FOR ADDITIONAL PIPE SIZES.
  - PROVIDE ACCESS PANELS FOR ALL VALVES/DEVICES ABOVE HARD CEILINGS AND BEHIND WALLS.
  - ALL GAS PIPE SHALL COMPLY WITH IFCC. BRANCH LINES SHALL TAP OFF TOP OF GAS MAINS AND INSTALL SHUT-OFF VALVE ON BRANCH LINE.
  - TRAP PRIMER LINES SHALL BE COPPER TYPE "K" OR PEX-a TUBING WITH CONTINUOUS SLOPE TOWARDS DRAIN CONNECTION.
  - FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.

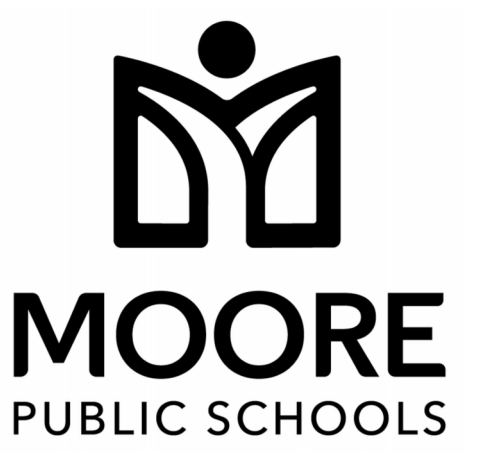
- KEYED NOTES**
- INSTALL ELECTRIC TRAP PRIMER ASSEMBLY (TP-1) ABOVE LAY-IN CEILING IN ACCESSIBLE LOCATION. ROUTE (4) 1/2" DISCHARGE LINES TO FLOOR DRAINS IN THIS AREA. COORDINATE POWER WITH EC. SEE DETAIL 1/P501.
  - INSTALL ELECTRIC TRAP PRIMER ASSEMBLY (TP-1) ABOVE LAY-IN CEILING IN ACCESSIBLE LOCATION. ROUTE (3) 1/2" DISCHARGE LINES TO FLOOR DRAINS OR FLOOR SINKS IN THIS AREA. COORDINATE POWER WITH EC. SEE DETAIL 1/P501.
  - INSTALL ELECTRIC TRAP PRIMER ASSEMBLY (TP-1) ABOVE LAY-IN CEILING IN ACCESSIBLE LOCATION. ROUTE (2) 1/2" DISCHARGE LINES TO FLOOR DRAINS IN THIS AREA. COORDINATE POWER WITH EC. SEE DETAIL 1/P501.
  - FIELD VERIFY LOCATION OF EXISTING WALL HYDRANT AND CONNECT NEW 3/4" CW TO EXISTING PIPE SERVING WALL HYDRANT.
  - ROUTE INSULATED 2 1/2" CW PIPE DOWN WITH BALL VALVE AT 24" AFF. AND CONNECT TO NEW WATER SERVICE.
  - ROUTE 2" CW PIPE DOWN TO BELOW FLOOR. INSTALL ACCESS PANEL IN BACK OF CABINET FOR BALL VALVE. SEE SHEET P101 FOR CONTINUATION.
  - ROUTE 1/2" CW, 1/2" HW AND 1 1/2" VENT IN CHASE TO SERVE LAVATORY. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 5/P501.
  - 1/2" CW, 1/2" HW AND 1 1/2" VENT DOWN IN WALL TO SERVE SINK. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 5/P501.
  - 1/2" CW, 1/2" HW AND 1 1/2" VENT DOWN INTO FUR OUT OF EXISTING CMU WALL TO SERVE SINK. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 5/P501. COORDINATE PIPE ROUTING WITH ARCHITECT AND GC.
  - INSTALL TRAP PRIMER (TP-2) UNDER LAVATORY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAIL 11/P501.
  - COORDINATE WITH STRUCTURAL FOR DEBRIS GUARD BELOW SHELTER ROOF FOR PLUMBING VENT ROOF PENETRATION.
  - 1/2" CW, 1/2" HW AND 1 1/2" VENT DOWN IN WALL TO SERVE LAVATORY. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 5/P501.
  - 3/4" CW UP TO ROOF HYDRANT. SEE SHEET P201 FOR CONTINUATION.
  - ROUTE 1/2" CW, 3/4" HW AND 3/4" HWR DOWN IN WALL WITH PEX TUBING TO BELOW FLOOR TO SERVE ISLAND PREP SINK.
  - ROUTE 1" NG (LOW PRESS) BEHIND EQUIPMENT AND PROVIDE 3/4" GAS TO KITCHEN EQUIPMENT (33 & 34) PROVIDED BY KEC. PROVIDE SHUT-OFF VALVE AND FINAL UNIT CONNECTION. SEE DETAIL 9/P501.
  - ROUTE 1/2" CW, 1/2" HW AND 2" VENT IN FUR OUT OF EXISTING CMU WALL TO SERVE HAND SINK (#8) PROVIDED BY KEC. PROVIDE THERMOSTATIC MIXING VALVE TMV-1 AND PIPE WRAP UNDER FIXTURE. COORDINATE PIPE ROUTING WITH GC.
  - CONNECT NEW 1 1/4" NATURAL GAS LINE (2 PSI) TO EXISTING 3" NATURAL GAS RISER AND ROUTE NEW LINE INTO BUILDING.
  - ROUTE 3/4" CW DOWN IN WALL WITH TRANSITION TO PEX TUBING TO BELOW FLOOR TO SERVE ICE MAKER PROVIDED BY KEC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
  - INSTALL 3/4" NATURAL GAS (2 PSI) BALL VALVE AND PRESSURE REGULATOR (KITCHEN EQUIP). INSTALL GAS SOLENOID VALVE FURNISHED BY KITCHEN EQUIPMENT SUPPLIER AND COORDINATE POWER WITH EC TO INTERLOCK WITH EXHAUST HOOD FIRE SUPPRESSION SYSTEM. ROUTE 1" NG (LOW PRESS) TO KITCHEN EQUIPMENT.
  - ROUTE 1/2" CW, 3/4" HW AND 3/4" HWR UP FROM BELOW FLOOR, TRANSITION TO COPPER PIPE AND CONNECT TO COOK'S TABLE SINK PROVIDED BY KEC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
  - INSTALL 1/2" BALL VALVE AND PRESSURE REGULATOR IN NATURAL GAS LINE SUPPLYING DRYER #6. PROVIDE 1/2" LOW PRESSURE GAS DOWN IN WALL TO GAS VALVE BOX (GVB-1) AND FLEXIBLE CONNECTION TO UNIT.
  - CLOTHES WASHER FURNISHED BY OTHERS. ROUGH-IN AND MAKE FINAL CONNECTION. PROVIDE 1/2" CW AND 1/2" HW LINES DOWN IN WALL TO LAUNDRY BOX. CONNECT FLEXIBLE SUPPLY LINES TO WASHER. ROUTE WASHER DRAIN LINE INTO WALL BOX DRAIN FITTING AND SECURE. COORDINATE WITH EQUIPMENT SUPPLIER.
  - COORDINATE WITH FOOD SERVICE CONTRACTOR FOR ROUTING CONDENSATE DRAIN LINES TO FLOOR DRAIN FROM FREEZER OR COOLER. SEE SHEET FS301.



**1 PLUMBING PLAN - ABOVE GRADE**  
SCALE: 3/32" = 1'-0"



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KP  
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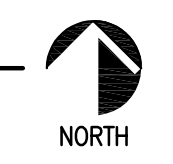


CHILD CARE FACILITY  
201 N. EASTERN AVE.

sheet no:  
**P110**

**Salas O'Brien**  
2800 S. Telephone Road, Suite 120  
Moore, OK 73160  
Salas O'Brien Registration: CA# 7058  
Expiration Date: 6/30/2025  
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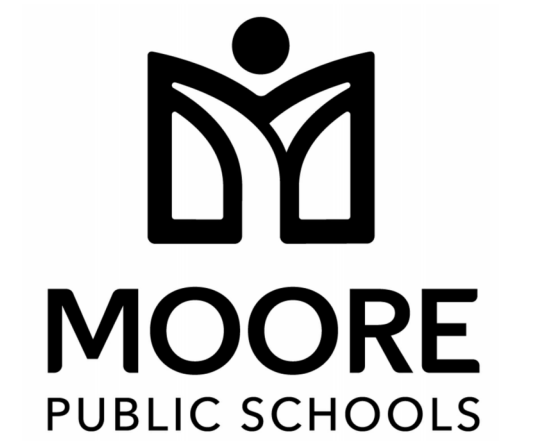






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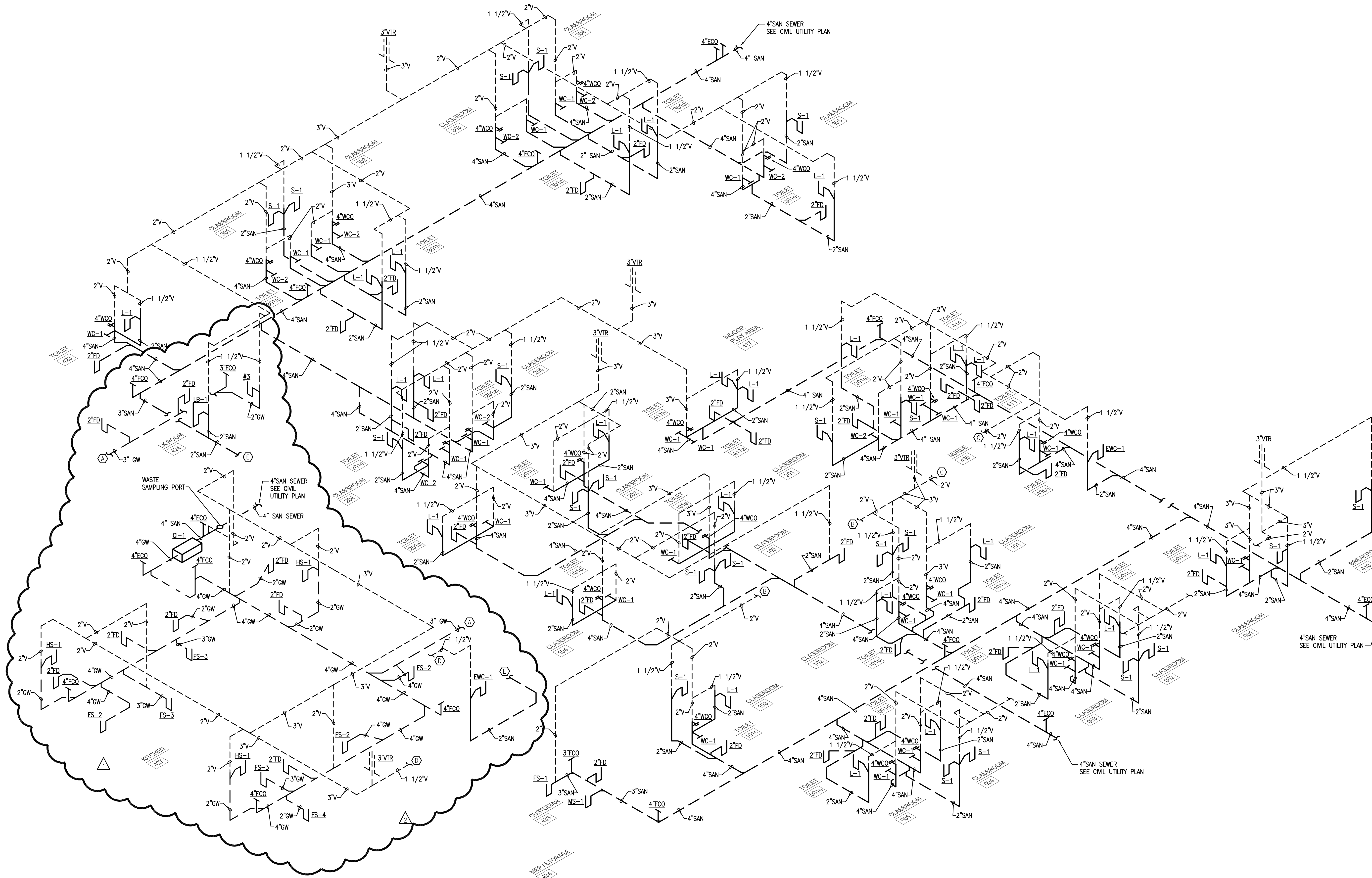
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## P301

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### 1 PLUMBING ISOMETRIC - WASTE & VENT

NO SCALE



GAS LOAD TABLE					
MARK	INPUT (MBH)	REQUIRED PRESSURE	REQUIRED REGULATOR	SYSTEM PRESSURE	NOTES
RTU-1	65	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-2	108	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-3	65	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-4	108	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-5	180	7"	MAXITROL 325-5LB	2 PSI	1,3,4,5
RTU-6	65	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-7	180	7"	MAXITROL 325-5LB	2 PSI	1,3,4,5
RTU-8	180	7"	MAXITROL 325-5LB	2 PSI	1,3,4,5
RTU-9	108	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-10	108	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-11	180	7"	MAXITROL 325-5LB	2 PSI	1,3,4,5
RTU-12	108	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-13	180	7"	MAXITROL 325-5LB	2 PSI	1,3,4,5
RTU-14	65	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-15	65	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
RTU-16	65	7"	MAXITROL 325-3LB	2 PSI	1,3,4,5
DOAS-1	208	7"	MAXITROL 325-5LB	2 PSI	1,3,4,5
WH-1	199.9	7"	MAXITROL 325-5L	2 PSI	1,2,5
WH-2	199.9	7"	MAXITROL 325-5L	2 PSI	1,2,5
WH-3	199.9	7"	MAXITROL 325-5L	2 PSI	1,2,5
WH-4	199.9	7"	MAXITROL 325-5L	2 PSI	1,2,5
KITCHEN	254	10"	MAXITROL 325-5L	2 PSI	1,2,5
DRYER	50	7"	MAXITROL 325-3L	2 PSI	1,2,5
GEN SET	377	10"	MAXITROL 325-5L	2 PSI	1,2,5
TOTAL LOAD	3519 MBH				

NOTES:

- INSTALL AND VENT REGULATOR PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE VENT LIMITING DEVICE FOR INDOOR REGULATORS EQUIPPED WITH INTEGRAL VENT LIMITING GRIFICE MODEL 12A09 OR 12A39.
- COORDINATE WITH MECHANICAL CONTRACTOR FOR EQUIPMENT LOCATIONS AND REQUIRED CONNECTION.
- PROVIDE VENT PROTECTOR DEVICE FOR OUTDOOR REGULATORS MODEL 13A15 OR 13A15-5.
- GAS SYSTEM DESIGN FOR INITIAL METER OUTLET PRESSURE OF 2 PSIG WITH PRESSURE DROP OF 1 PSIG AND TOTAL LENGTH OF 450 FEET.

PLUMBING KITCHEN EQUIPMENT SCHEDULE							
ITEM	DESCRIPTION	INDIRECT DRAIN	DIRECT DRAIN	VENT	CW	HW	GAS
3	MOP SINK	-	2"	1 1/2"	1/2"	1/2"	-
5	WASHER BY OWNER	-	2"	1 1/2"	1/2"	1/2"	-
6	DRYER BY OWNER	-	-	-	-	-	1/2" 50 MBH
8	HAND SINK	-	2"	1 1/2"	1/2"	1/2"	-
11	DISHWASHER	2"	-	-	1/2"	1/2"	-
12	SOILED DISHTABLE	(3) 2"	-	-	(2) 3/4"	(2) 3/4"	-
13	HOSE REEL	-	-	-	1/2"	1/2"	-
14	WATER TROUGH	2"	-	-	3/4"	3/4"	-
24	PREP TABLE	2"	-	-	1/2"	1/2"	-
25	FOOD ALLERGY WORKTABLE	2"	-	-	1/2"	1/2"	-
33	CONVECTION OVEN	-	-	-	-	-	(2) 3/4" 55 MBH
34	RANGE	-	-	-	-	-	3/4" 144 MBH
35	KETTLE	-	-	-	1/2"	1/2"	-
36	CONVECTION STEAMER	(2) 3/4"	-	-	3/4"	-	-
41	COOKS TABLE SINK	2"	-	-	1/2"	1/2"	-
45	ICEMAKER	3/4"	-	-	1/2"	-	-
47	MILK COOLER	3/4"	-	-	-	-	-
48	SERVING COUNTER	-	-	-	1/2"	-	-
49	COLD FOOD WELL	3/4"	-	-	-	-	-
51	HOT FOOD WELL	3/4"	-	-	-	1/2"	-

EQUIPMENT LISTED PROVIDED BY FOOD SERVICE CONTRACTOR (FSC). COORDINATE WITH FSC FOR REQUIRED CONNECTIONS.

GAS WATER HEATER SCHEDULE									
MARK	LOCATION	TEMPERATURE RISE	FLOW RATE GAL/MIN	CAPACITY (GALLONS)	MBH INPUT MAX	AIR INTAKE	FLUE EXHAUST	MANUFACTURER & MODEL NO.	NOTES
WH 1	MEP/STORAGE RM 434	(50F - 120F) 70F	5	TANKLESS	199.9	2"	2"	NAVIEN NPE-240A	ALL
WH 2	MEP/STORAGE RM 434	(50F - 120F) 70F	5	TANKLESS	199.9	2"	2"	NAVIEN NPE-240A	ALL
WH 3	MEP/STORAGE RM 434	(50F - 120F) 70F	5	TANKLESS	199.9	2"	2"	NAVIEN NPE-240A	ALL
WH 4	MEP/STORAGE RM 434	(50F - 120F) 70F	5	TANKLESS	199.9	2"	2"	NAVIEN NPE-240A	ALL
WH 5	MEP/STORAGE RM 434	(50F - 120F) 70F	5	TANKLESS	199.9	2"	2"	NAVIEN NPE-240A	ALL

NOTES:

- INSTALL AND VENT PER MANUFACTURER'S RECOMMENDATIONS.
- COORDINATE POWER SUPPLY WITH ELECTRICAL CONTRACTOR. POWER SUPPLY TO UNIT 120V, 2 AMP (GFCI) OUTLET.
- PROVIDE AMTROL ST-12 THERMAL EXPANSION TANK ON COLD WATER LINE. REFER TO DETAILS SHEET P501.
- PROVIDE CLEAR WATER ENVIRO TECHNOLOGIES SCALEBLASTER MODEL SB-250 ELECTRONIC DESCALER. COORDINATE 120 VOLT OUTLETS WITH EC.
- PROVIDE CIRCULATION PUMP WIRING FROM WATER HEATERS. COORDINATE POWER CONNECTIONS WITH EC.
- PROVIDE NAVIEN CONDENSATE NEUTRALIZER KIT AND OVERFLOW BY-PASS PIPING TO FLOOR SINK PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ONE COMMUNICATION CABLE FOR WH-1 / WH-2 AND TWO CABLES FOR WH-3, WH-4 & WH-5.
- PROVIDE NAVIEN READY-LINK WALL MOUNT PIPING MANIFOLD SYSTEM FOR WATER HEATERS.
- PROVIDE NAVIEN EXHAUST/INTAKE CONCENTRIC VENT KIT THRU ROOF.
- SEE DETAIL 13/P502 FOR MORE INFORMATION.

ELECTRIC WATER HEATER SCHEDULE									
MARK	LOCATION	TEMPERATURE RISE	CAPACITY GALLONS	AMPS	ELEMENT KW	VOLTAGE	PHASE	MANUFACTURER & MODEL NO.	NOTES
EW 1	ELEC RM IN SAFEROOM	70 DEG @ 25 GPM	20	22	4.5	208	1	A.O. SMITH DEL-20	ALL

NOTES:

- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- WATER HEATER OUTLET TEMPERATURE SET TO 120°F. VERIFY TEMPERATURE WITH OWNER.
- PROVIDE AMTROL ST-5 THERMAL EXPANSION TANK ON COLD WATER LINE TO WATER HEATER.
- PROVIDE HOLD RITE WALL SUPPORT PLATFORM MODEL 50-SWHP-W & RESTRAINT STRAP FOR WATER HEATER.
- COORDINATE WIRING WITH E.C.
- SEE DETAIL 6/P501 FOR MORE INFORMATION.

CIRCULATION PUMP SCHEDULE										
MARK	MAXIMUM WORKING PRESSURE	MAXIMUM OPERATING TEMP (°F)	MOTOR				FLANGE SIZE (INCHES)	MATERIAL	MANUFACTURER & MODEL NO.	NOTES
			ELECTRICAL CHAR	F.L. AMPS	HP	RPM				
CP 1	150 PSI	225	115/60/1	3.5	1/6	VARIES	3/4"	S.S.	BELL & GOSSETT EOCIRC+ 20-18	
CP 2	150 PSI	225	115/60/1	3.5	1/6	VARIES	3/4"	S.S.	BELL & GOSSETT EOCIRC+ 20-18	
CP 3	150 PSI	225	115/60/1	3.5	1/6	VARIES	3/4"	S.S.	BELL & GOSSETT EOCIRC+ 20-18	

NOTES:

- PROVIDE GRUNDFOS BRONZE 3/4" FLANGE SET.
- DATA: CP-1: 0.5 GPM AT 10 FEET HEAD.
- DATA: CP-2: 1.5 GPM AT 8 FEET HEAD.
- DATA: CP-3: 1 GPM AT 10 FEET HEAD.
- PROVIDE 24 HOUR TIMER AND AQUASTAT - SET TIMER PER OWNER'S REQUIREMENTS.
- COORDINATE WIRING WITH E.C.
- SEE DETAIL 7/P501 FOR MORE INFORMATION.

GREASE INTERCEPTOR SCHEDULE										
MARK	LOCATION	FLOW RATE (GPM)	LIQUID CAP. (GAL)	GREASE CAP. (LBS)	STANDARD CONNECTION LENGTH	DIMENSIONS (INCHES)			MANUFACTURER & MODEL NO.	NOTES
						WIDTH	HEIGHT	WEIGHT (LBS)		
GI 1	EXTERIOR BELOW GRADE	100	277	1,865	4"	87	33	44	376	SCHIER GB-250 ALL

NOTES:

- INSTALL AND VENT PER MANUFACTURER'S RECOMMENDATION AND LOCAL PLUMBING CODE.
- INSTALL EXTERIOR BELOW GRADE GREASE INTERCEPTOR SO COVERS ARE FLUSH WITH FINISHED CONCRETE. PROVIDE EXTENSION RISER ASSEMBLY AS REQUIRED.
- INSTALL GREASE INTERCEPTOR WITH REQUIRED CLEARANCES FOR ACCESS AND CLEANING.
- PROVIDE SAMPLING PORT SCHIER SV10 WITH EXTENSION RISER DOWNSTREAM OF INTERCEPTOR PER MANUFACTURER'S RECOMMENDATIONS.
- SEE DETAIL 14/P502 FOR ADDITIONAL INFORMATION.

GREASE INTERCEPTOR SIZING									
GREASE INTERCEPTOR SIZED TO COMPLY WITH INTERNATIONAL PLUMBING CODE 2018 AND PDI-G101. FIXTURES DRAINING TO GREASE INTERCEPTOR:									
3-COMPARTMENT SINK: 20" x 20" x 14" x 3 = 16,800 CU INCHES / 231 = 58 GAL x 75% = 54.5 GALLONS									
HANDSINKS: 3 FIXTURES X 1.5 GPM = 4.5 GPM									
COOKS TABLE SINK #41: 18" x 18" x 12" = 3,888 CU INCHES / 231 x 75% = 13 GALLONS									
PREP TABLE SINK #25: 12" x 15" x 10" = 1,800 CU INCHES / 231 x 75% = 6 GALLONS									
DISHWASHER: 36 GALLONS									
PREP DOUBLE SINK: 18" x 18" x 14" = 4,536 CU INCHES x 2 / 231 x 75% = 30 GALLONS									
FLOOR SINKS / FLOOR DRAINS WITH 2" OUTLET: 5 FIXTURES: 2 GPM x 5 = 10 GPM									
PRE-RINSE SINK: 18" x 18" x 10" = 3,240 CU INCHES / 231 x 75% = 10.5 GALLONS									
MOP SINK: 16" x 20" x 12" = 3,840 CU INCHES / 231 x 75% = 12.5 GALLONS									
TOTAL DRAIN FLOW PER 2 MINUTES = 177 GALLONS / 2 MIN = 89 GALLONS USE INTERCEPTOR SIZED FOR FLOW RATE OF 100 GPM.									

PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE	MANUFACTURER	MODEL	MOUNT	ROUGH-IN SCHEDULE				FITTINGS AND REMARKS
					COLD	HOT	WASTE	VENT	
L-1	LAVATORY ADA	AMERICAN STANDARD	0355.012	WALL	1/2"	1/2"	1 1/2"	1 1/2"	COLOR WHITE. PROVIDE CHICAGO FAUCET 420-ABCP. MCGUIRE HD155A GRID STRAINER, 8902C P-TRAP, LFBV216SSC 1/4 TURN SUPPLY STOPS. TRUEBRO LAV GUARD2 PIPE COVERS. ZURN WALL FIXTURE CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE. INSTALL THERMOSTATIC MIXING VALVE TMV-1 UNDER FIXTURE. SEE DETAIL 5/P501.
WC-1	WATER CLOSET ADA	AMERICAN STANDARD	2257.101	WALL	1 1/4"	-	4"	-	COLOR WHITE. PROVIDE SLOAN ROYAL 111-1.6 SFSM BATTERY OPERATED FLUSH VALVE. PROVIDE BEIMS 1655SSCT OPEN FRONT ELONGATED SEAT. EXTERNAL CHECK HINGE. COLOR WHITE. ZURN NARROW WALL CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE. ADA INSTALLATION.
WC-2	WATER CLOSET	AMERICAN STANDARD	2257.101	WALL	1 1/4"	-	4"	-	COLOR WHITE. PROVIDE SLOAN ROYAL 111-1.6 SFSM BATTERY OPERATED FLUSH VALVE. PROVIDE BEIMS 1655SSCT OPEN FRONT ELONGATED SEAT. EXTERNAL CHECK HINGE. COLOR WHITE. ZURN NARROW WALL CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE.
S-1	SINK	ELKAY	LRAD1919602	COUNTERTOP	1/2"	1/2"	1 1/2"	1 1/2"	SINGLE BOWL 6" DEEP, 2 FAUCET HOLES, REAR CENTER DRAIN. PROVIDE ELKAY LK435 DRAIN & ELKAY LK4060Q814 FAUCET. MCGUIRE 8912 P-TRAP & LFBV2165 SUPPLY STOPS. INSTALL MIXING VALVE TMV-1 UNDER SINK.
MS-1	MOP SINK	FIAT	TSB-3000 24x24x12	FLOOR	1/2"	1/2"	3"	1 1/2"	MOLDED STONE, 6" DROP FRONT, SS THRESHOLD. PROVIDE FIAT 832AA HOSE & WALL BRACKET, 889-CC MOP BRACKET, MCG2424 SS WALL GUARDS, PROVIDE T&S BRASS FAUCET B-0665-BSTR. PROVIDE ASSE 1011 APPROVED HOSE CONNECTION VACUUM BREAKER.
EW-1	ELECTRIC WATER COOLER	ELKAY	LZSTL8WSSK	WALL	1/2"	-	1 1/2"	1 1/2"	DUAL LEVEL WITH SENSOR WATER BOTTLE FILLING STATION ON LOWER UNIT. VANDAL-RESISTANT, FILTERED, PUSH BUTTON ACTIVATION, 120 VOLT. PVC P-TRAP AND 1/4 TURN SUPPLY STOP. REFER TO ARCHITECT'S PLANS FOR MOUNTING HEIGHT. ADA INSTALLATION.
FD	FLOOR DRAIN	ZURN	ZN415-BZ1-P -VP	FLOOR	-	-	SEE PLANS	-	6" ROUND NICKEL BRONZE STRAINER, CAST IRON BODY ANCHOR FLANGE, CLAMP COLLAR, ADJUSTABLE COLLAR, ADJUSTABLE STRAINER HEIGHT, VANDAL-PROOF SECURED TOP, 1/2" TRAP PRIMER CONNECTION. SEE DETAIL 1/P501.
FS-1	FLOOR SINK	ZURN	ZN1910-K-2 -23	FLOOR	-	-	3"	-	8"x8" TOP, 6" DEEP. CAST IRON BODY WITH WHITE A.R.E INTERIOR, ANCHOR FLANGE, 1/2" GRATE WITH NICKEL BRONZE FINISH & SEDIMENT BUCKET.
FS-2	FLOOR SINK	ZURN	ZS1901-K-2 -23	FLOOR	-	-	4"	-	12"x12" TOP, 8" DEEP. CAST IRON BODY WITH WHITE A.R.E INTERIOR, ANCHOR FLANGE, STAINLESS STEEL FRAME, 1/2" GRATE, & SEDIMENT BUCKET.
FS-3	FLOOR SINK	ZURN	ZS1900-K-2 -23	FLOOR	-	-	2"	-	12"x12" TOP, 6" DEEP. CAST IRON BODY WITH WHITE A.R.E INTERIOR, ANCHOR FLANGE, STAINLESS STEEL FRAME WITH 1/2" GRATE & SEDIMENT BUCKET.
FS-4	FLOOR SINK	ZURN	ZS1910-K-P -2-23	FLOOR	-	-	2"	-	8"x8" TOP, 6" DEEP. CAST IRON BODY WITH WHITE A.R.E INTERIOR, ANCHOR FLANGE, 1/2" TRAP PRIMER CONNECTION, STAINLESS STEEL FRAME WITH 1/2" GRATE & SEDIMENT BUCKET.
FCO	FLOOR CLEANOUT	ZURN	ZN1400-K-VP	FLOOR	-	-	SEE PLANS	-	ADJUSTABLE, CAST IRON BODY, ANCHOR FLANGE, ABS THREAD PLUG, ROUND SCORRIED TOP WITH NICKEL BRONZE FINISH, VANDAL RESISTANT COVER SCREWS.
WCO	WALL CLEANOUT	ZURN	Z1446-VP	WALL	-	-	SEE PLANS	-	CAST IRON CLEANOUT TEE, THREAD ABS PLUG, STAINLESS STEEL ROUND ACCESS COVER WITH VANDAL RESISTANT SECURING SCREW.
ECO	EXTERIOR CLEANOUT	ZURN	Z1474-N-VP	GRADE	-	-	SEE PLANS	-	CAST IRON CLEANOUT ACCESS HOUSING, ANCHOR FLANGE, SECURED GASKETED COVER WITH CLEANOUT FERRULE WITH ABS PLUG. VANDAL PROOF COVER SCREWS.
HA-1	HAMMER ARRESTOR	WATTS	LF15M2	PIPE	VARIES	-	-	-	LEAD-FREE DESIGN, PDI WH201 LISTED, MAINTENANCE FREE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
TP-1	TRAP PRIMER (ELECTRIC)	PRECISION PLUMBING PRODUCTS	PTS-4	PIPE	3/4"	-	-	-	ELECTRONIC UNIT ENCLOSED IN METAL CABINET WITH 24 HOUR TIMER, SOLENOID VALVE, VACUUM BREAKER, 3/4" CW INLET, HAMMER ARRESTOR & 1/2" OUTLETS, WATER, 120V POWER HARDWIRED. PROVIDE STRAINER PRIOR TO UNIT. COORDINATE 120 VOLT POWER OUTLET WITH EC. SEE DETAIL 1/P501.
TP-2	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	PRO1-ULP500	PIPE	1/2"	-	-	-	UNDER FIXTURE TRAP PRIMER VALVE, CHROME PLATED, 1/2" CW INLET WITH ANGLE STOP, 3/8" OUTLET TO FAUCET, AIR GAP WITH 1/2" OUTLET TO FLOOR DRAIN. WALL ESCUTCHEON. MOUNT MINIMUM 12" ABOVE FLOOR. SEE DETAIL 11/P501.
TMV-1	THERMOSTATIC MIXING VALVE	WATTS	LFMVV-M1	BELOW FIXTURE	1/2"	1/2"	-	-	LEAD FREE MIXING VALVE WITH ADJUSTABLE TEMPERATURE SET-POINT & LOCKABLE, INTEGRAL CHECK STOPS & STRAINERS, 1/2" INLETS & OUTLET. SET OUTLET TEMP AT 105 DEGREES F. ASSE 1070 LISTED.
AP-1	ACCESS PANEL	ACUDOR	UF-5000 14x14 CLSS	WALL	-	-	-	-	14"x14" STEEL, 16 GAGE DOOR & FRAME, 18 GAGE MOUNTING FRAME. CONCEALED HINGE, CYLINDER LOCK & KEY, STAINLESS STEEL FINISH. CONCEALED FASTENING POINTS.
CD-1	CLOTHES DRYER	PROVIDED BY OTHERS	-	FLOOR	-	-	-	-	DRYER INSTALLED BY OTHERS. PC SHALL ROUGH-IN & MAKE FINAL CONNECTIONS. PROVIDE 1/2" DORMONT NATURAL GAS FLEXIBLE GAS LINE WITH BALL VALVE, SWIVEL CONNECTIONS & 36" LENGTH. LOW PRESSURE GAS. COORDINATE WITH UNIT SUPPLIER. 20 MBH GAS LOAD.
WM-1	WASHING MACHINE	PROVIDED BY OTHERS	-	FLOOR	3/4"	3/4"	3"	-	MACHINE INSTALLED BY OTHERS. PC SHALL ROUGH-IN & MAKE FINAL CONNECTIONS. ROUTE DRAIN HOSE TO LAUNDRY BOX DRAIN. CONNECT FLEXIBLE WATER HOSES TO WALL BOX & MACHINE. COORDINATE WITH UNIT SUPPLIER.
LB-1	LAUNDRY BOX	SILOUX CHIEF	696R2313WF	WALL	1/2"	1/2"	2"	1 1/2"	FIRE RATED RECESSED WALL MOUNTED BOX WITH FLANGE, 1/4 TURN BALL VALVES WITH HAMMER ARRESTORS, 3/4" THREADED OUTLETS, DRAIN CONNECTION. COORDINATE INSTALL HEIGHT FOR CLOTHES WASHER.
GVB-1	GAS VALVE BOX	SILOUX CHIEF	696R1020GF	WALL	-	-	-	-	FIRE RATED RECESSED WALL MOUNTED BOX WITH FLANGE, NATURAL GAS 1/4 TURN BALL VALVE, 1/2" THREADED OUTLET. PROVIDE DORMONT FLEXIBLE GAS LINE. COORDINATE INSTALL HEIGHT FOR CLOTHES DRYER GAS CONNECTION.



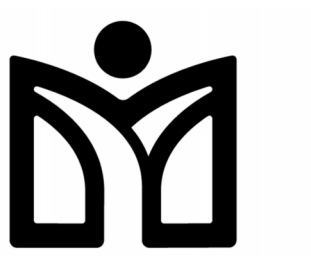
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KFC ENGINEERING  
STRUCTURAL  
SALAS O'BRIEN  
MECHANICAL / ELECTRICAL



KS  
drawn by  
KP  
checked by  
OCTOBER 2024  
date

revisions  
11/22/2024 AD 02  
01/14/2025 CB01



MOORE  
PUBLIC SCHOOLS

CHILD CARE FACILITY  
201 N. EASTERN AVE.

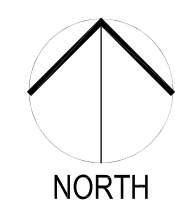
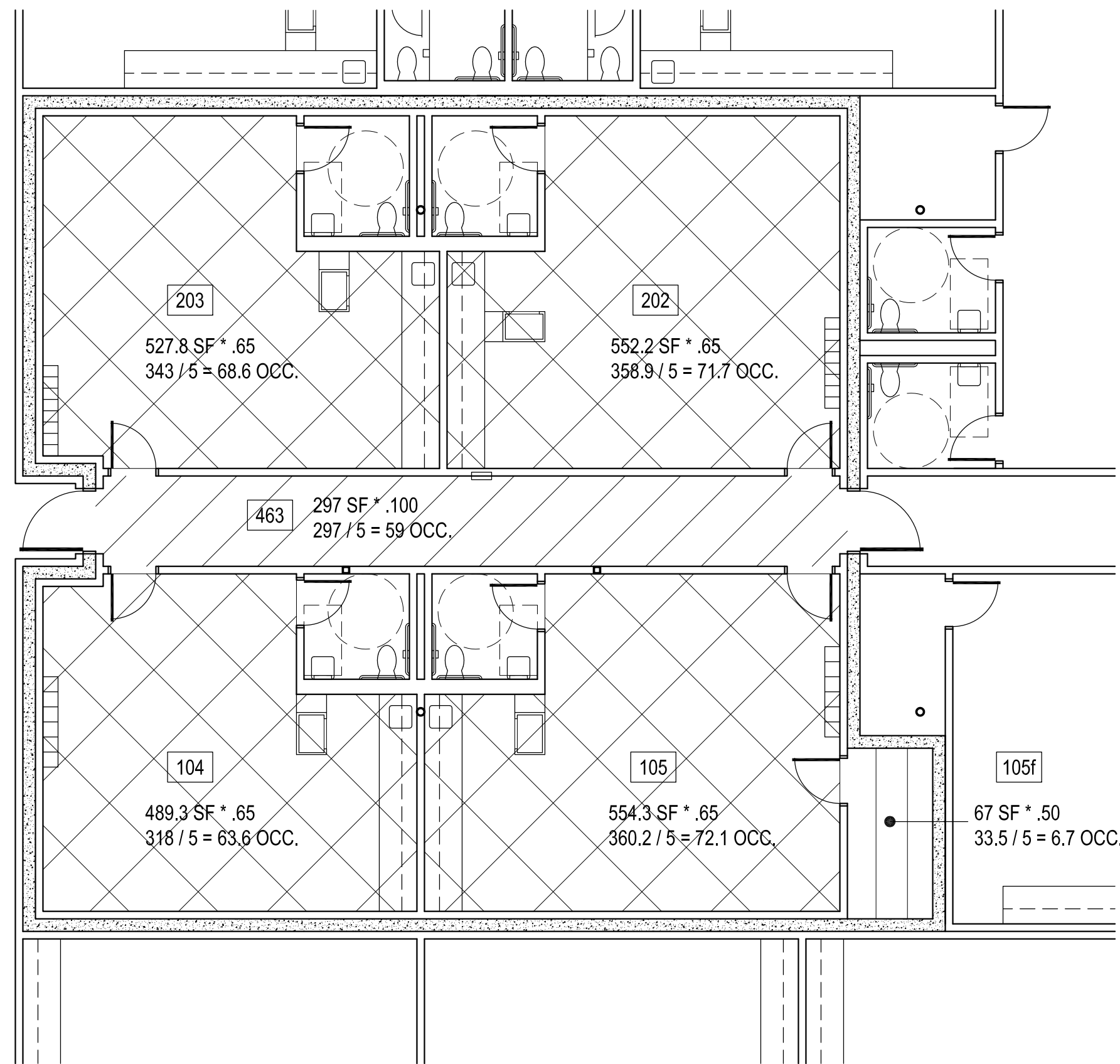
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P601

**Salas O'Brien**  
2900 S. Telephone Road, Suite 120  
Moore, OK 73160  
Salas O'Brien Registration: CA# 7058  
Expiration Date: 6/30/2025  
Salas O'Brien Project Number: 2450-70304-00

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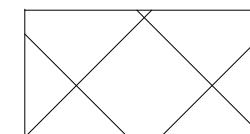


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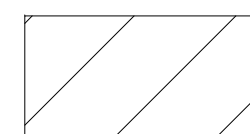
**SHELTER CALCULATION PLAN**

1/8" = 1'-0"

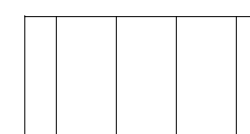
GENERAL NOTES:



INDICATES AREA USED TO CALCULATE  
USABLE SHELTER FLOOR AREA - 65% X 2,122 S.F. = 1,379.3 S.F.



INDICATES AREA USED TO CALCULATE  
USABLE SHELTER FLOOR AREA - 100% X 297 S.F. = 297 S.F.



INDICATES AREA USED TO CALCULATE  
USABLE SHELTER FLOOR AREA - 50% X 67 S.F. = 33.5 S.F.

TOTAL CALCULATION OF USABLE FLOOR AREA (ADJUSTED TO INCL. H.C.) = 1,709.5 S.F. / 5 = 339 OCCUPANTS + 2 H.C. = 341 TOTAL OCCUPANTS

PLUMBING FIXTURE REQUIREMENTS FOR ICC 500 2014 ARE EXCEEDED BY  
IBC 2018 PLUMBING FIXTURE REQUIREMENTS

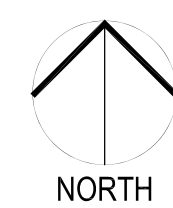
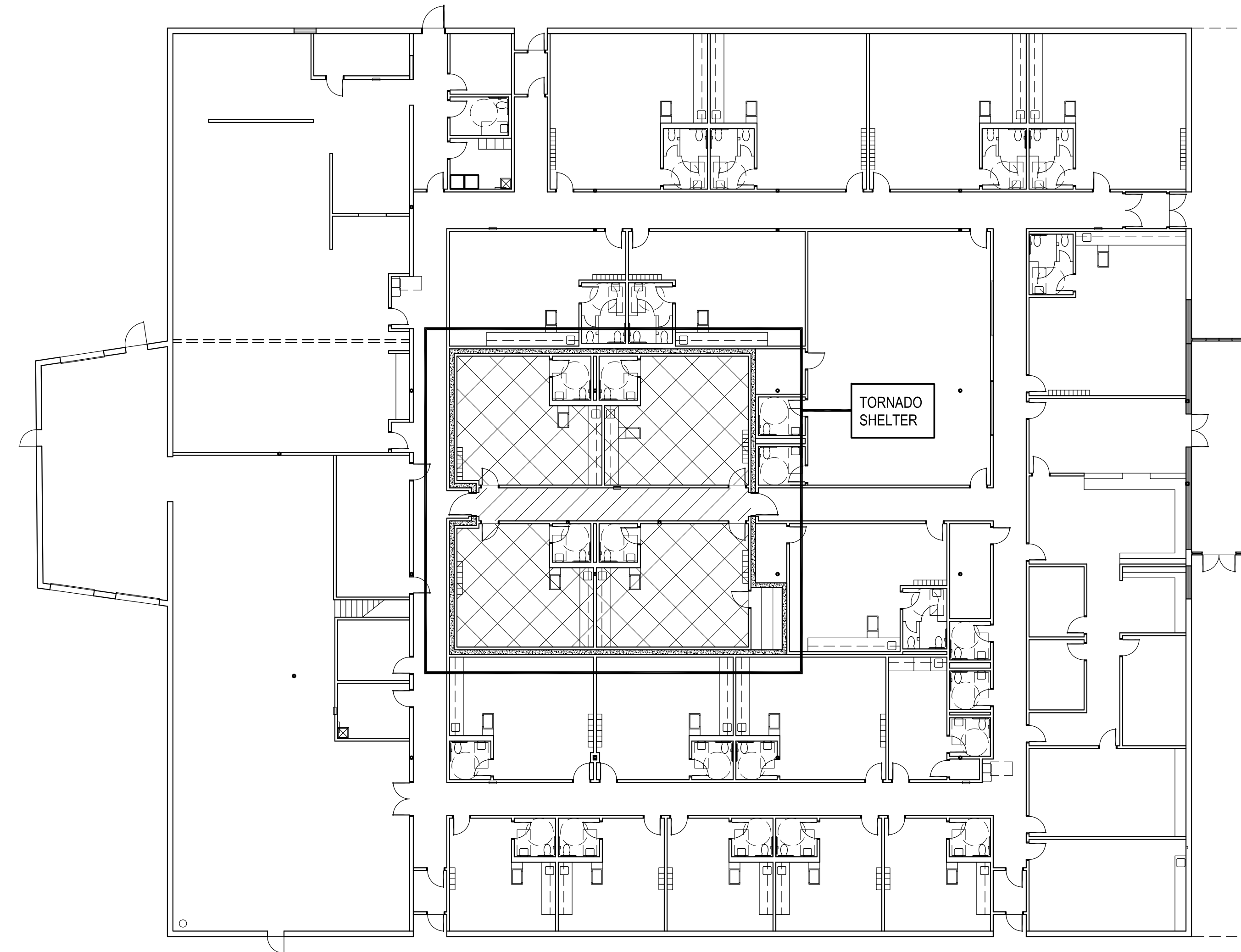


PLUMBING FIXTURES SHELTER CALCULATIONS:

TOTAL OCCUPANT LOAD = 341

TOTAL REQUIRED: WATER CLOSETS = 2  
LAVATORIES = 2

TOTAL PROVIDED: WATER CLOSETS = 4  
LAVATORIES = 4



2

**SHELTER LOCATION PLAN**

NO SCALE

Tornado Storm Shelter Construction:

- A. Storm shelter has been designed and engineered to meet all applicable codes and standards including the following:
- ICC 500-2014 (International Code Council), ICC / NSSA Standard for the Design and Construction of Storm Shelters, American National Standard.
- B. All construction shall comply with the above standards and guidelines including ICC-500 Section 107.2.1:
- Tornado - Community
  - Re: Structural
  - Re: Structural
  - Re: Structural
  - Re: Structural
  - Re: Structural
  - Re: Structural
  - The storm shelter is not located within an area susceptible to flooding.
  - Not applicable
  - components meet pressure & missile impact test requirements.  
\*\* refer specifications, structural drawings & mechanical drawings
  - Re: sheet G101
  - Re: Sheet A301
  - Finish floor elevation - Re: Sheet C300
  - occupant load of shelter = 339 + 2 handicap
  - useable shelter floor area = 1,709.5 s.f.
  - Re: mechanical drawings
  - Re: sheet G101
  - Re: Structural
  - Not applicable
  - Not applicable
  - Not applicable
  - Not applicable
- C. First aid kit shall be provided by owner & stored in the shelter & accessible by occupants

PROVIDE ONE (1) SIGN WITH THE NAME OF THE MANUFACTURER OR CONTRACTOR OF THE SHELTER AND THE STORM TYPE AND RESPECTIVE DESIGN WIND SPEED. THE SIGN SHALL REMAIN LEGIBLE AND VISIBLE - LOCATE AS PER ARCHITECT'S INSTRUCTIONS



SAMPLE OMNI CONSTRUCTION LLC



CHILD CARE FACILITY  
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**G101**

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10/22/24

CG

drawn by

MA

checked by

OCTOBER 2024

date

revisions

1 ADDENDUM #2

2 ADDENDUM #3

3 CB-1



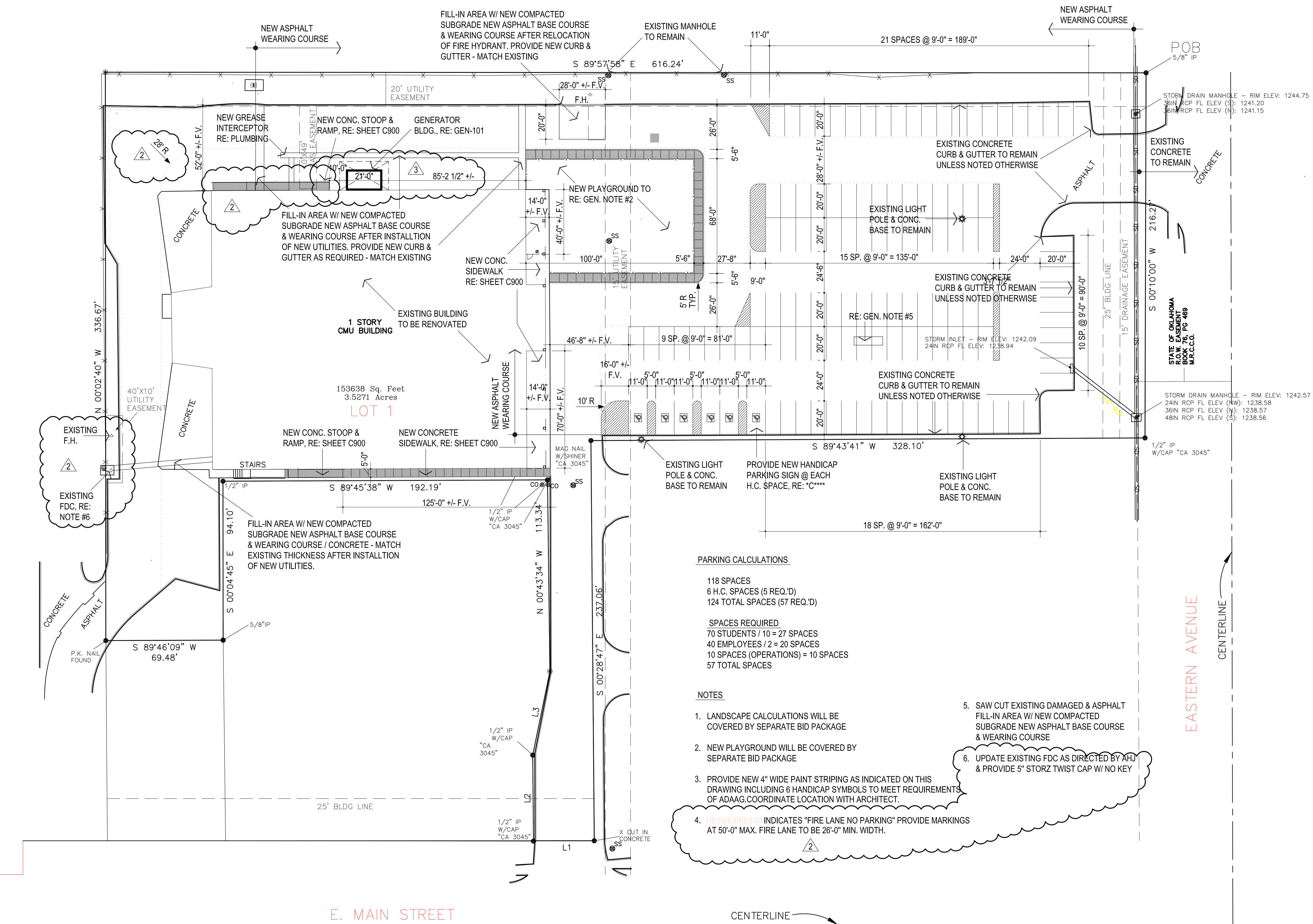
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201 N. EASTERN AVE.

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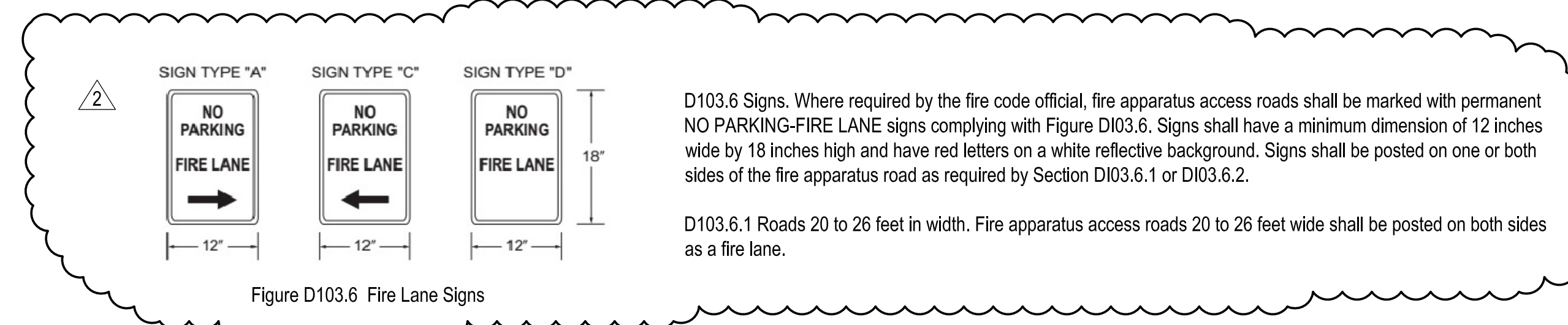
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**1 SITE PLAN - PARKING REQUIREMENTS**  
1" = 30'-0"



1 ENTIRE SHEET





CG  
drawn by  
MA  
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OCTOBER 2024  
date

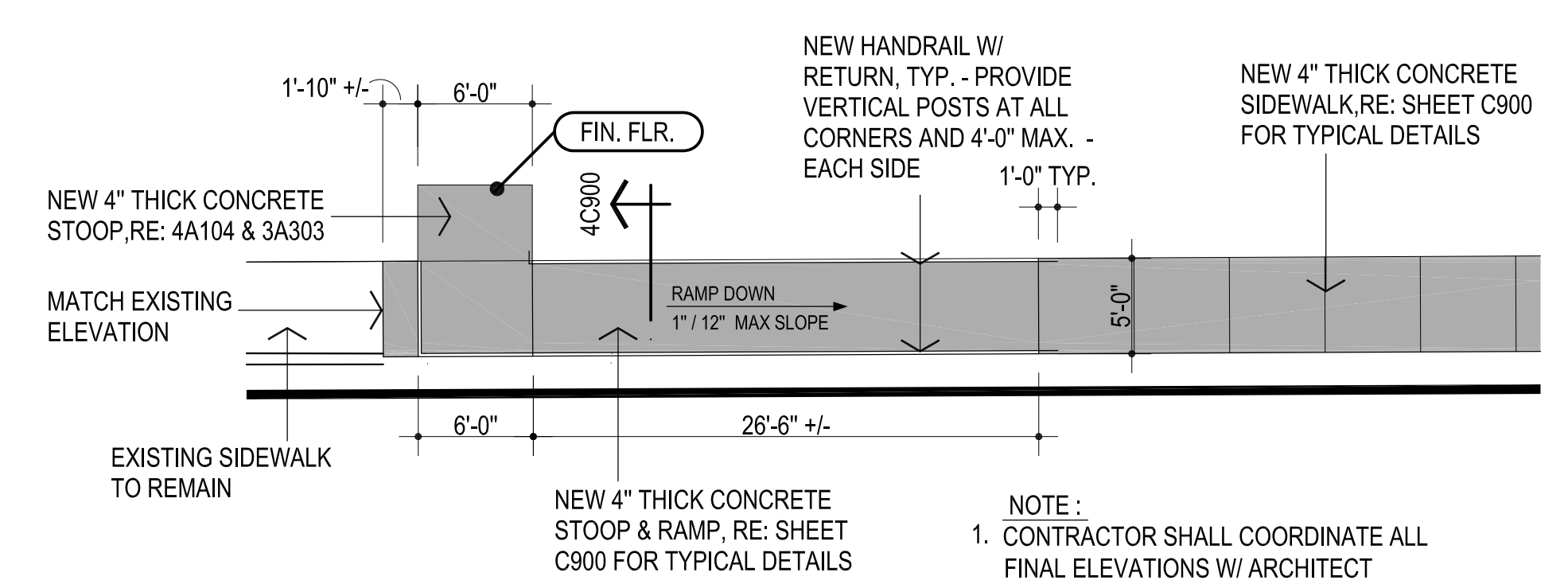
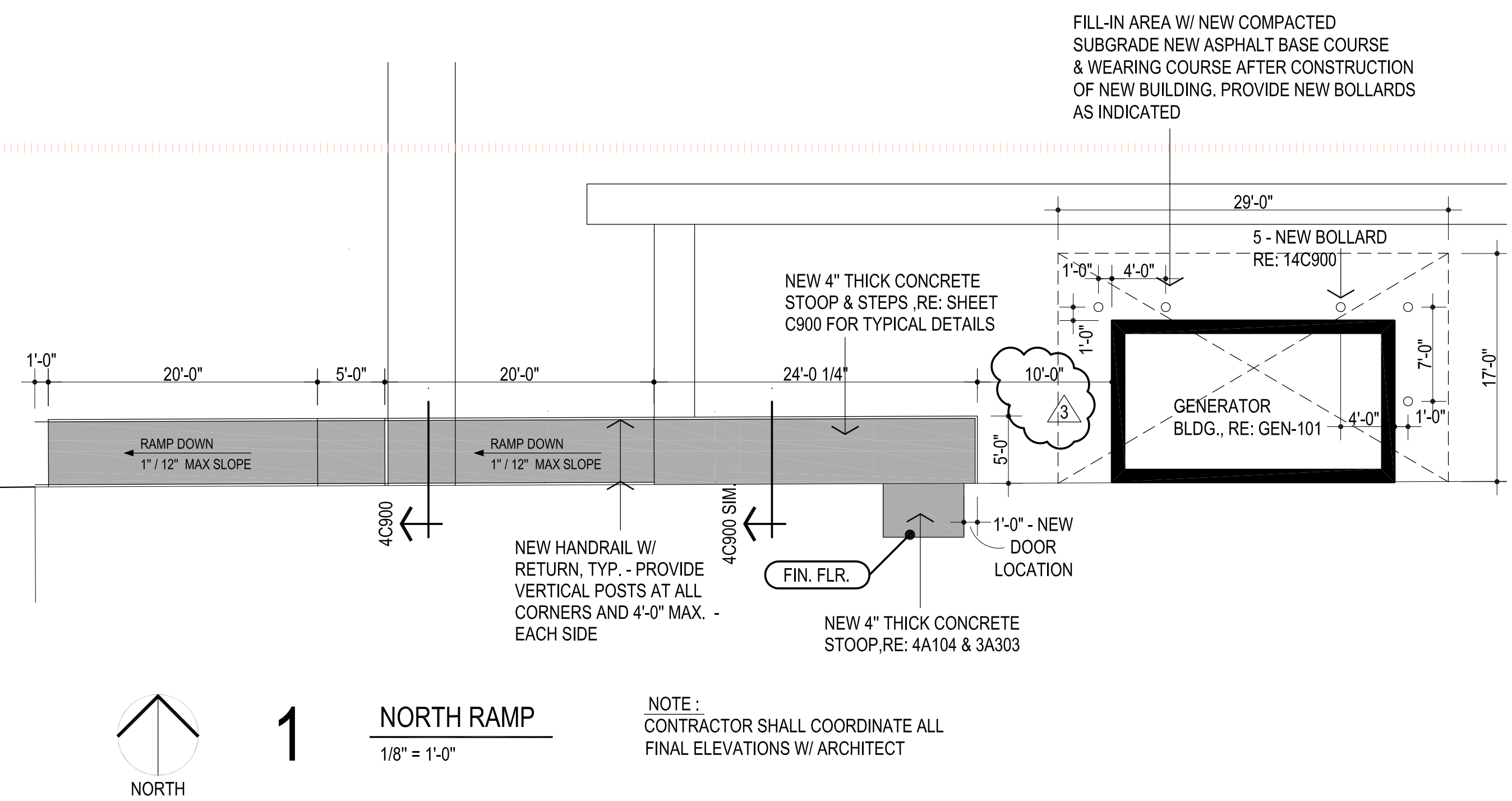
- revisions
- 1 ADDENDUM #2
  - 2 ADDENDUM #3
  - 3 CB-1



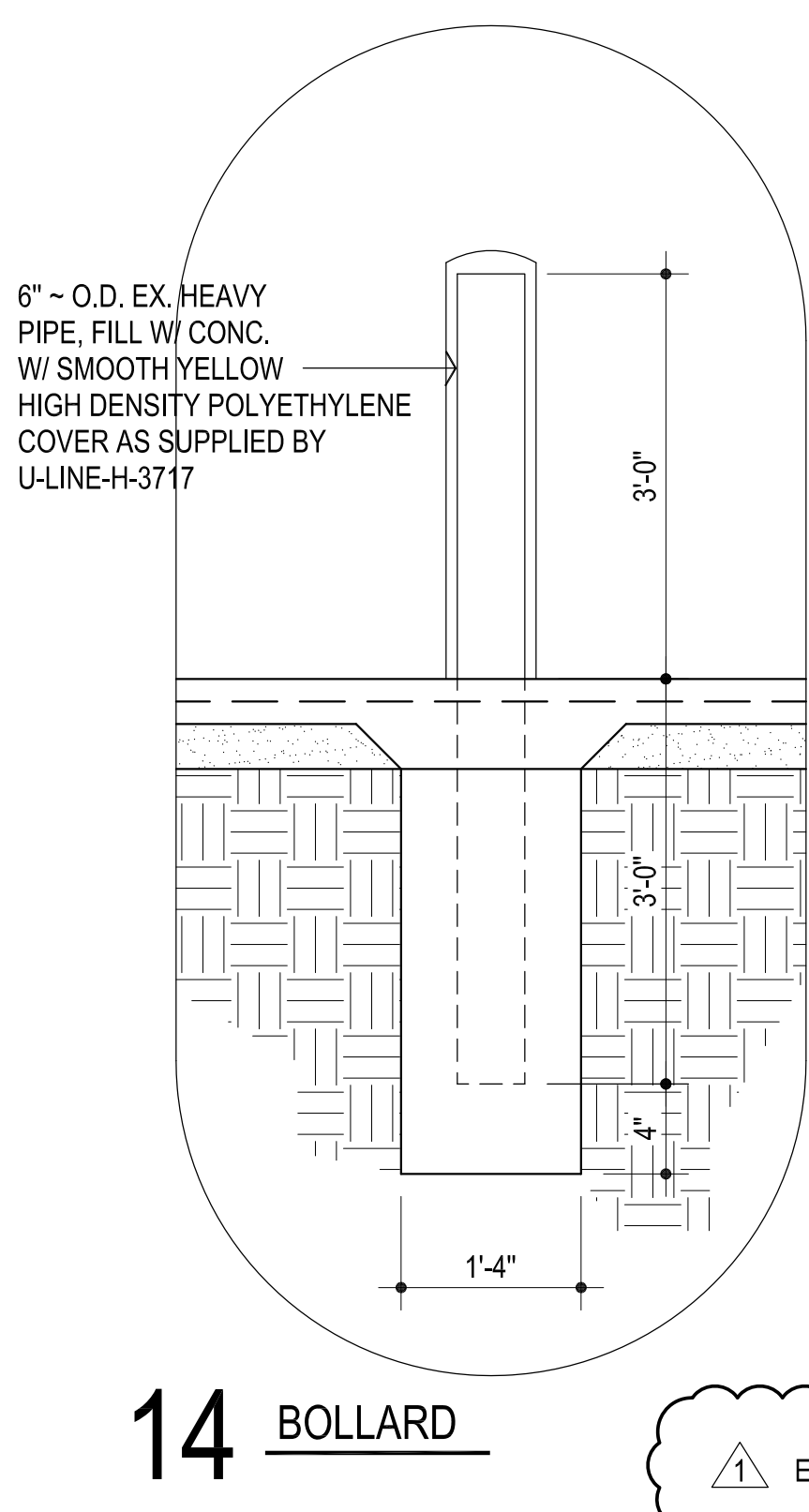
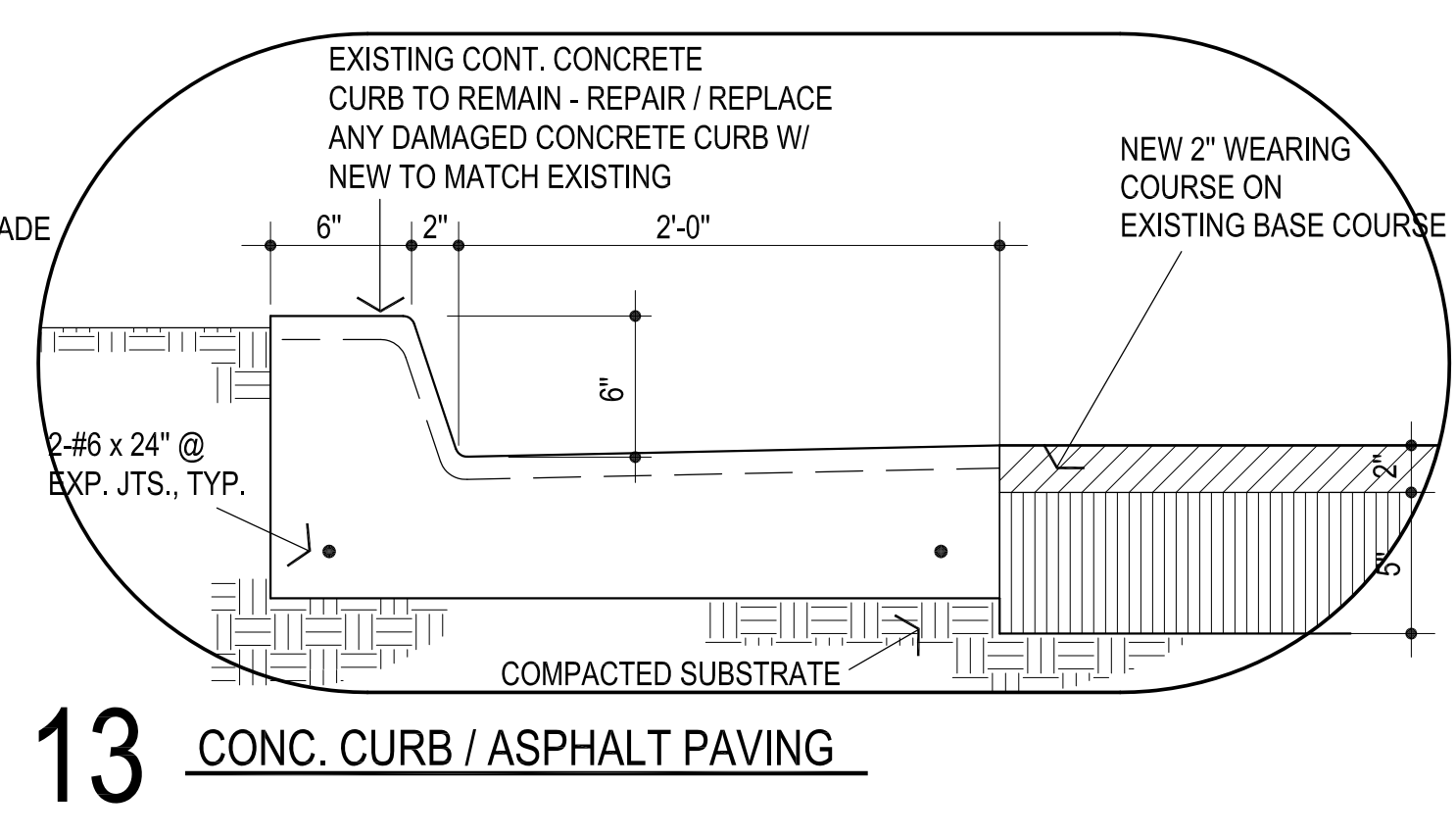
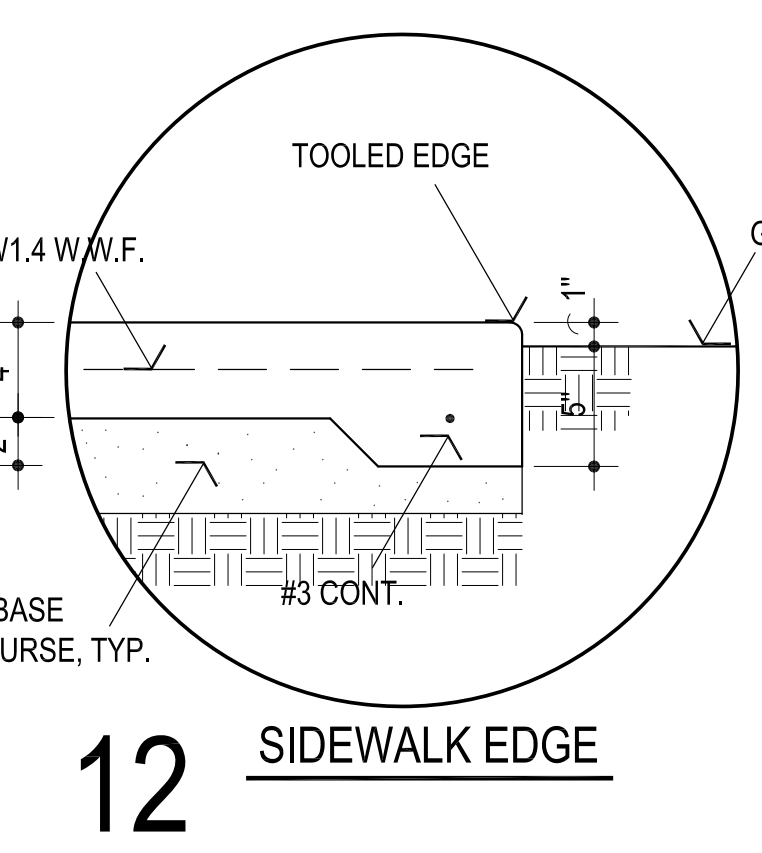
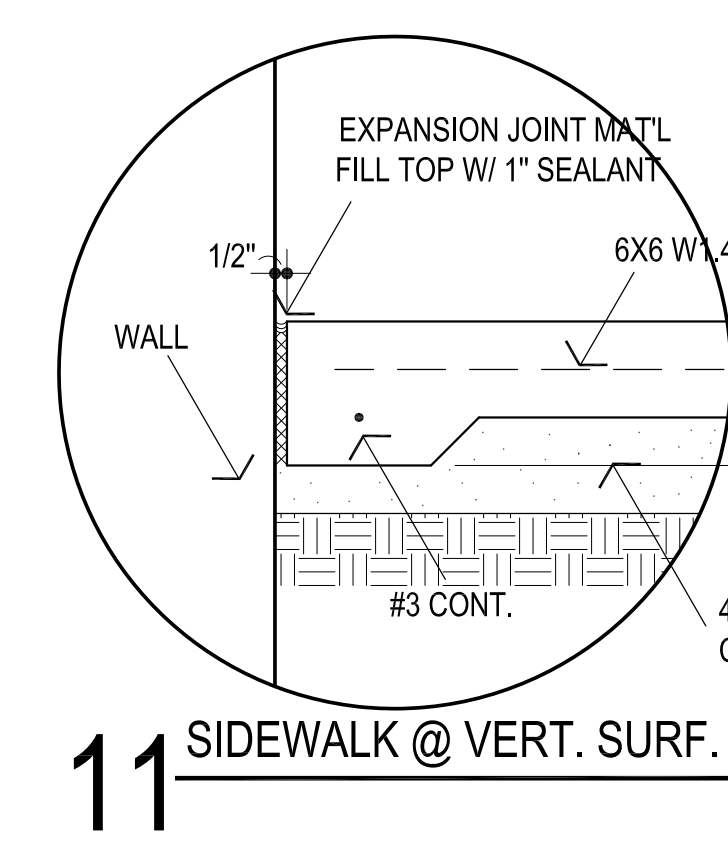
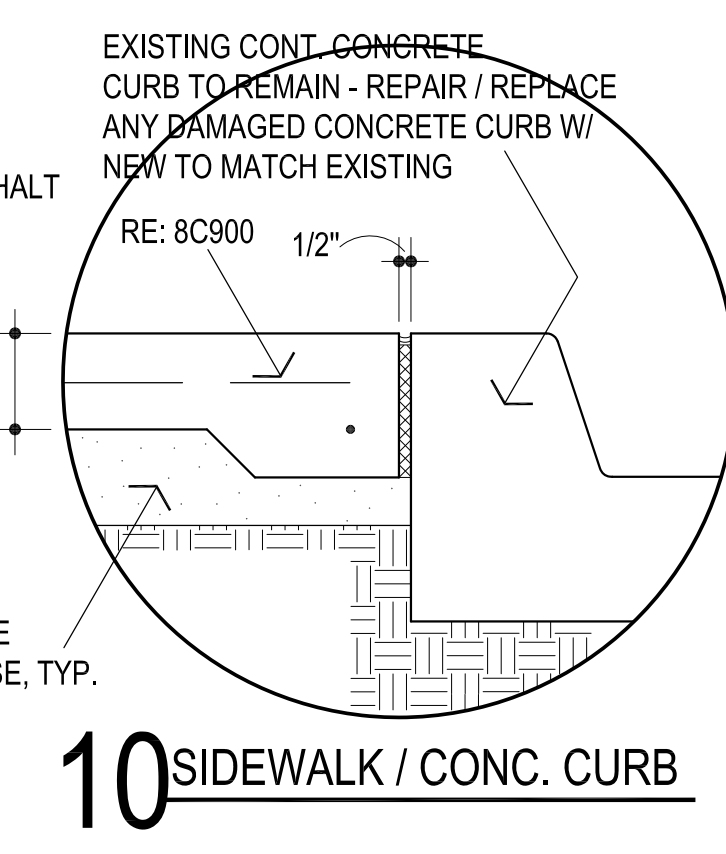
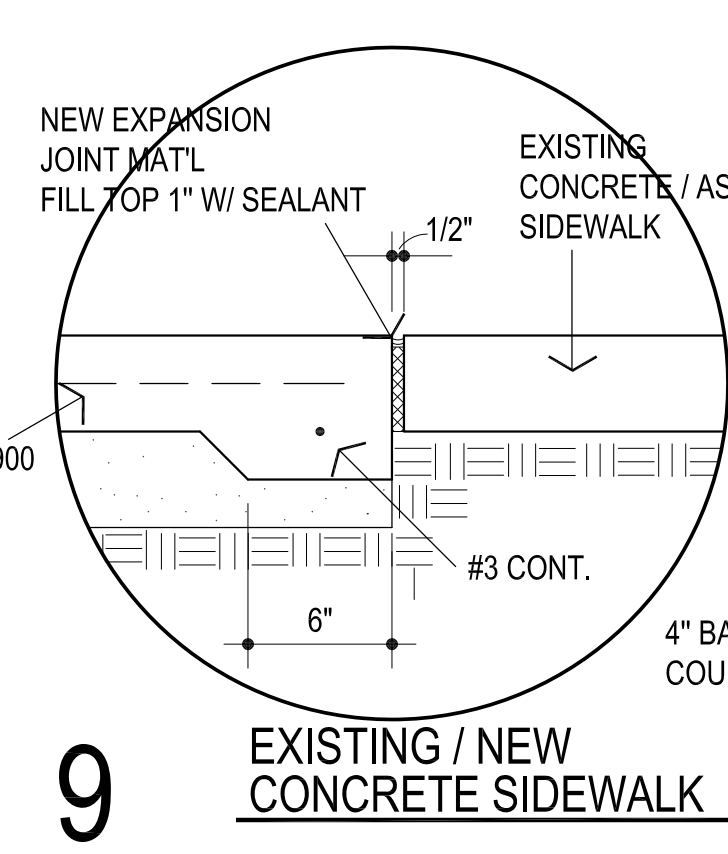
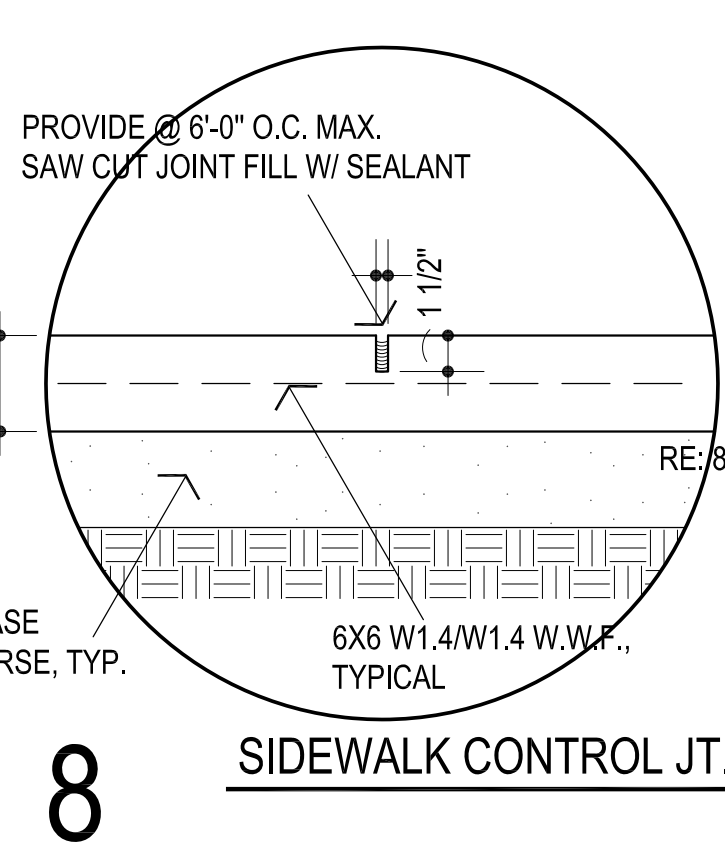
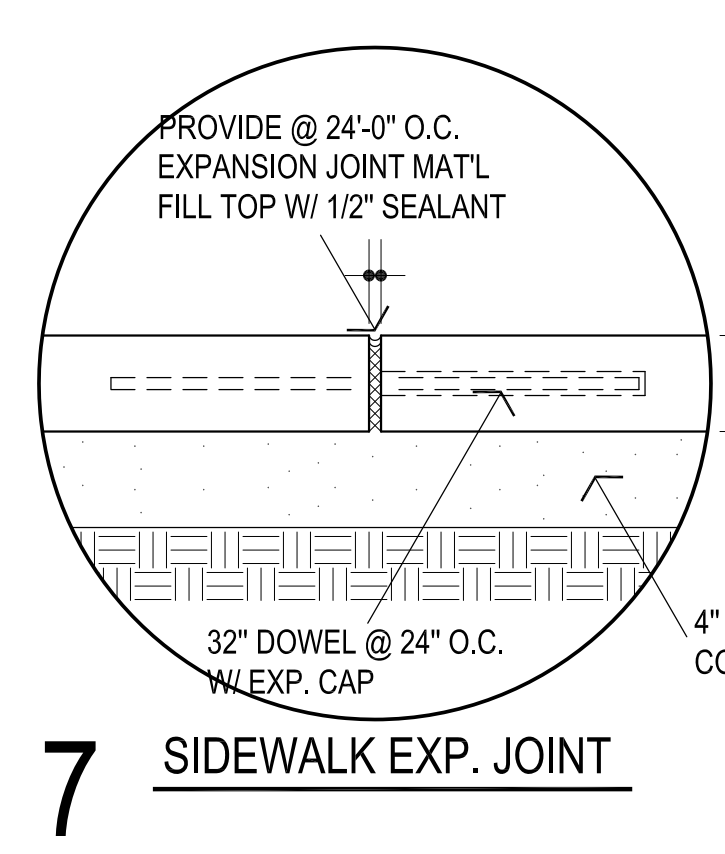
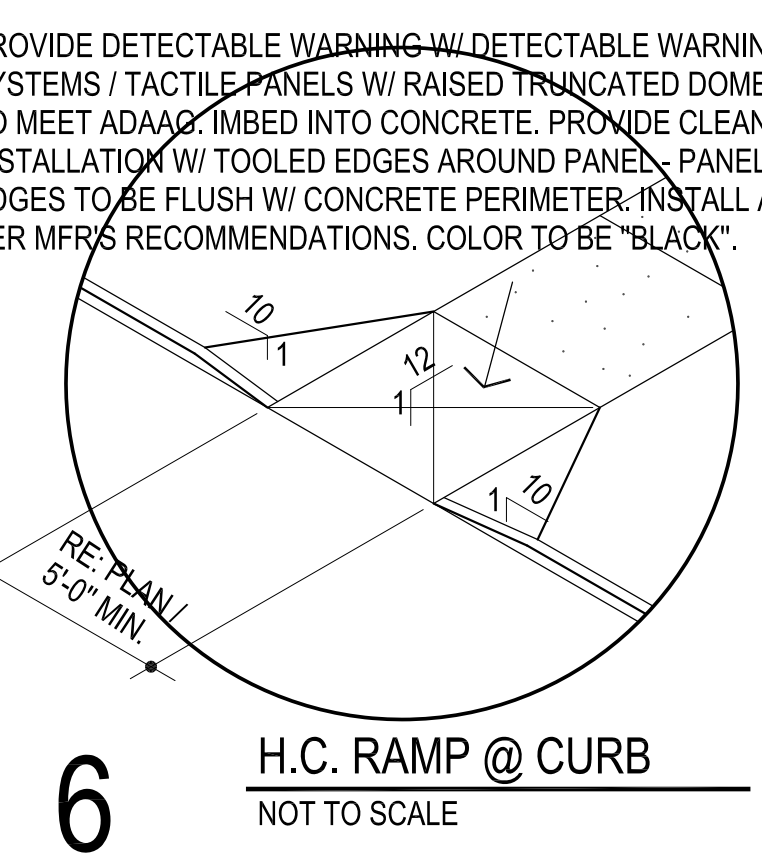
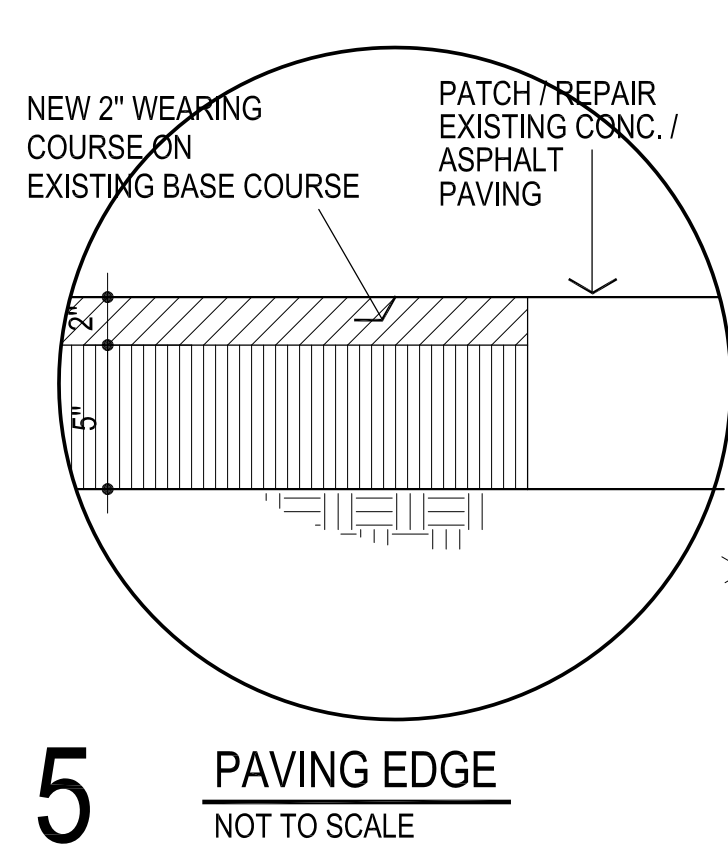
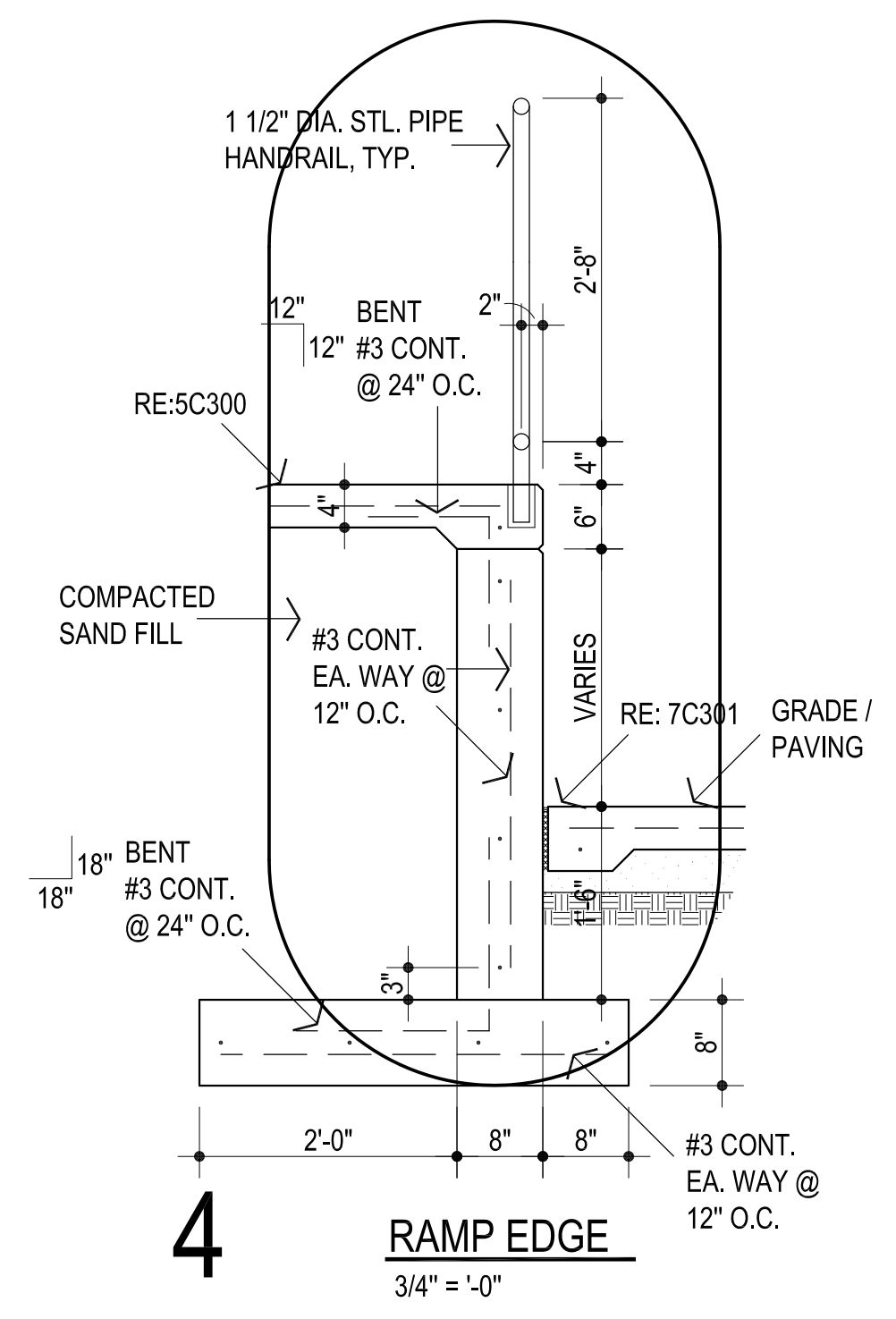
CHILD CARE FACILITY  
201 N. EASTERN AVE.

sheet no:  
**C900**

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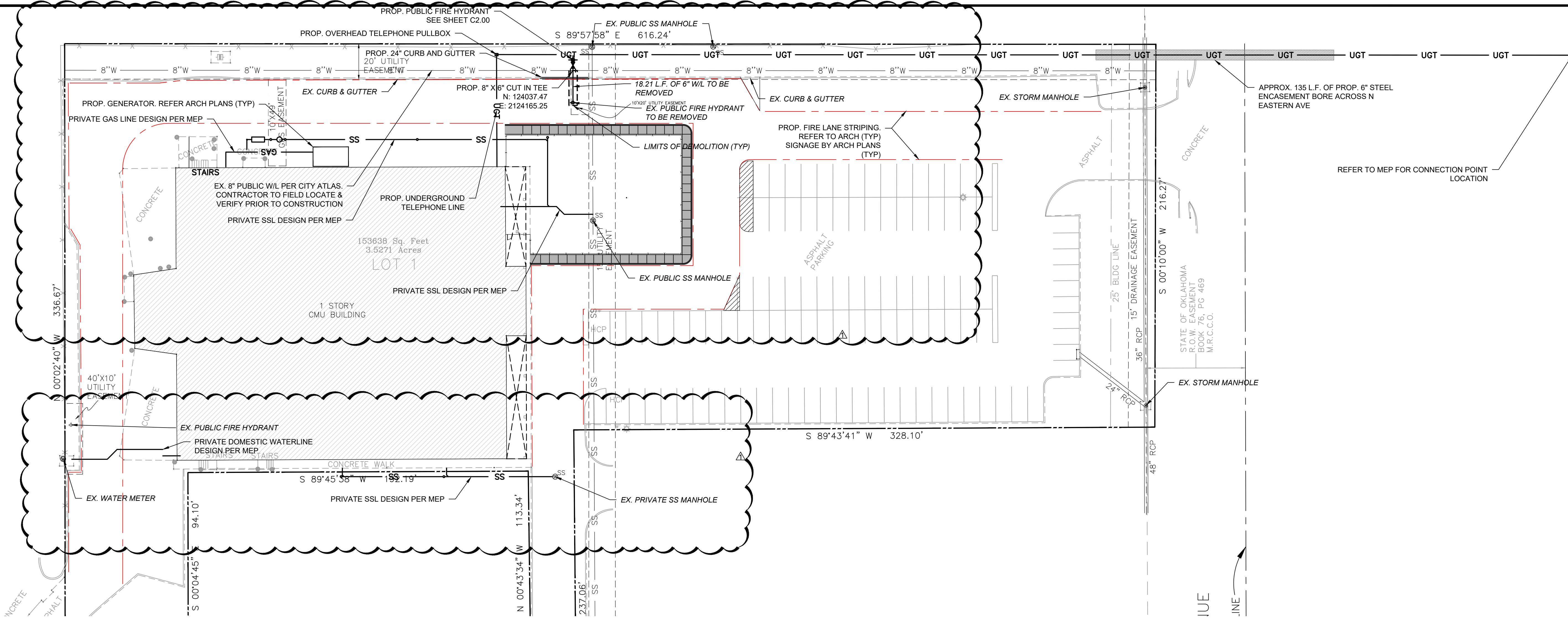


ENTIRE SHEET

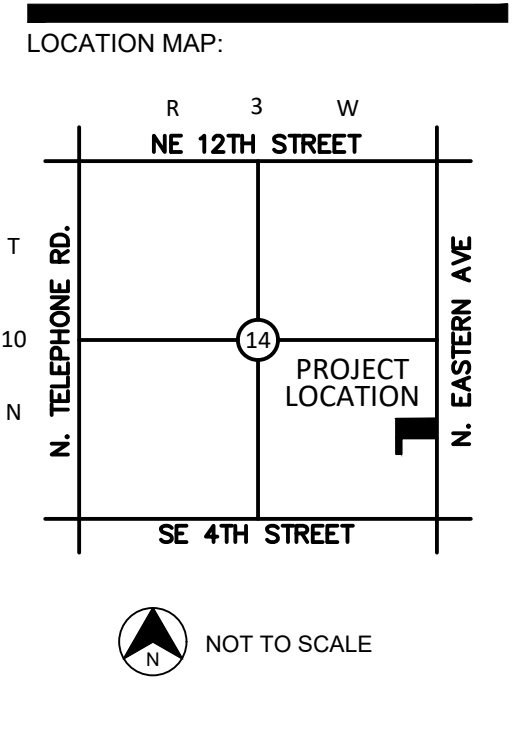








REFER TO MEP FOR CONNECTION POINT LOCATION



PROJECT:  
**MPS DAYCARE**  
 201 N. EASTERN MOORE OK  
 PROJECT NUMBER: 24110  
 DRAWING DATE: 11.05.24  
 ISSUE DATE: 11.05.24

**LEGEND**

	EXISTING 1' CONTOUR		PROP. FIRE HYDRANT
	EXISTING 5' CONTOUR		PROP. WATER VALVE
	PROPOSED 1' CONTOUR		PROP. WATER METER
	PROPOSED 5' CONTOUR		PROP. ELECT. METER
	BOUNDARY LINE		PROP. LIGHT POLE
	RIGHT OF WAY LINE		PROP. BOLLARD
	EASEMENT LINE		PROP. TRANSFORMER
	EXISTING CURB AND GUTTER		PROP. PARKING COUNT
	PROPOSED CURB AND GUTTER		PROP. INLETS (SEE GRADING PLAN FOR TYPE)
	PROPOSED FIRE LANE STRIPING		VERTICAL SEPARATION REQUIREMENT
	OVERHEAD ELECTRIC LINE	*NOTE: REFER TO SURVEYING LEGEND FOR EXISTING STRUCTURES IDENTIFICATION	
	UNDERGROUND ELECTRIC LINE		
	GAS LINE		
	UNDERGROUND TELEPHONE LINE		
	UNDERGROUND FIBER OPTIC LINE		
	SANITARY SEWER LINE		
	WATERLINE		
	RETAINING WALL		
	SCREEN WALL		
	WIRE FENCE		
	CHAIN LINK FENCE		
	BENCHMARK		
	PROP. WHEEL STOP		
	PROP. HC RAMP		
	PROP. POWER POLE		
	PROP. SS MANHOLE		
	PROP. GAS METER		
	PROP. SIGN		
	PROP. FIRE ROUTE SIGN		

**UTILITY NOTES**

- A. CONTRACTOR SHALL REFER TO THE CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO THE WRITTEN SPECIFICATIONS, CONSTRUCTION DRAWINGS, STORM WATER POLLUTION PLAN, AND GEOTECHNICAL REPORT.
- B. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE OWNERS DESIGN GUIDELINES AND SPECIFICATIONS, AND WHERE APPLICABLE SHALL MEET THE REQUIREMENTS OF THE GOVERNING/PERMITTING AUTHORITY HAVING JURISDICTION.
- C. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN HORIZONTAL AND VERTICAL CONTROL, REFERENCE POINTS AND CONSTRUCTION STAKING AS INCIDENTAL TO THE PROJECT.
- D. THE CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS/PROPERTY LINES/UTILITIES/DRAINAGE PRIOR TO CONSTRUCTION START.
- E. ALL WORK NOT CLASSIFIED AS A CONTRACT PAY ITEM SHALL BE CONSIDERED AS INCIDENTAL AND THE COST THEREOF SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS WHICH ARE CLASSIFIED FOR PAYMENT.
- F. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS BEING A PART OF THE CONSTRUCTION DOCUMENTS FOR THE EXACT LOCATIONS AND DIMENSIONS OF ENTRY, EXIT PORCHES, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE, AND DOWNSPOUT LOCATIONS/SPECIFICATIONS/DETAILS.
- G. REFER TO ARCHITECTURE PLANS FOR SITE LIGHTING/LIGHT POLE BASES AND ELECTRICAL CONDUIT PLACEMENT AND SPECIFICATIONS. POLE LOCATIONS ARE SHOWN ON THIS SHEET FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND ADJUST ANY CONSTRUCTED CONFLICTS WITH UNDERGROUND UTILITIES, SIDEWALKS, ETC.
- H. CONTRACTOR IS REQUIRED TO CALL ONE CALL AS WELL AS THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION/CONSTRUCTION ACTIVITIES TAKE PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS.
- I. CONTRACTOR SHALL ENSURE ALL CONSTRUCTED UTILITIES MEET THE MINIMUM SEPARATION AND COVER REQUIREMENTS SET FORTH BY THE PROVIDER, FEDERAL/STATE/LOCAL REGULATIONS, OR SPECIFICATIONS. IN THE EVENT THERE IS A CONFLICT THE MOST STRINGENT SHALL APPLY.
- J. GENERAL CONTRACTOR TO PROVIDE 2'X2'X6" THICK CONCRETE APRON AT ALL CLEANOUTS, VALVES AND METERS OUTSIDE OF BUILDING.
- K. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED, AS WELL AS COST OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDINGS.
- L. THRUST BLOCKING SHALL BE PROVIDED AT ALL BENDS, TEES, AND FIRE HYDRANTS.
- M. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
- N. ALL WATER AND SANITARY SEWER LEADS TO BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END.
- O. ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED GATE VALVE A MAXIMUM OF 5'(UNLESS OTHERWISE SPECIFIED BY CITY OFFICIAL) FROM HYDRANT.
- P. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
- Q. REFER TO FIRE PROTECTION SHEETS FOR LOCATION AND DETAIL OF FIRE LINE LEAD IN. FIRE LINE SHALL BE STUBBED UP 1' ABOVE FFE IN SPRINKLER ROOM.
- R. REFER TO PLUMBING SHEETS FOR LOCATION AND DETAILS OF SEWER, DOMESTIC, AND IRRIGATION CONNECTIONS.
- S. CONTRACTOR SHALL REFER TO IRRIGATION PLANS FOR ACTUAL LOCATION, SIZE, LENGTH AND DEPTH. TEMPORARILY PLUG BOTH ENDS. IRRIGATION CONTRACTOR WILL REMOVE TEMPORARY PLUGS, INSTALL LINES AND PROPERLY SEAL BOTH ENDS.
- T. THE FIRE DEPARTMENT CONNECTION (FDC) SHALL BE LOCATED ON THE STREET SIDE OF ANY STRUCTURE. THE FDC SHALL BE LOCATED AND ARRANGED SO THAT THE HOSE LINES CAN BE READILY ATTACHED TO THE INLETS WITHOUT INTERFERENCE FROM OBJECTS.
- U. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE EXTENSIONS OF ALL UTILITY SERVICE LINES TO THE MAIN UTILITY LINES.
- V. ALL CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED.
- W. CONTRACTOR SHALL REFER TO LANDSCAPE AND IRRIGATION PLAN FOR LOCATION AND CONSTRUCTION DETAILS OF LANDSCAPING AND IRRIGATION.



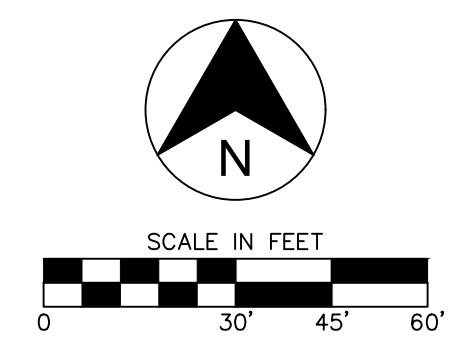
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**PERMIT SET**

REVISIONS:

NO.	DATE	DESCRIPTION
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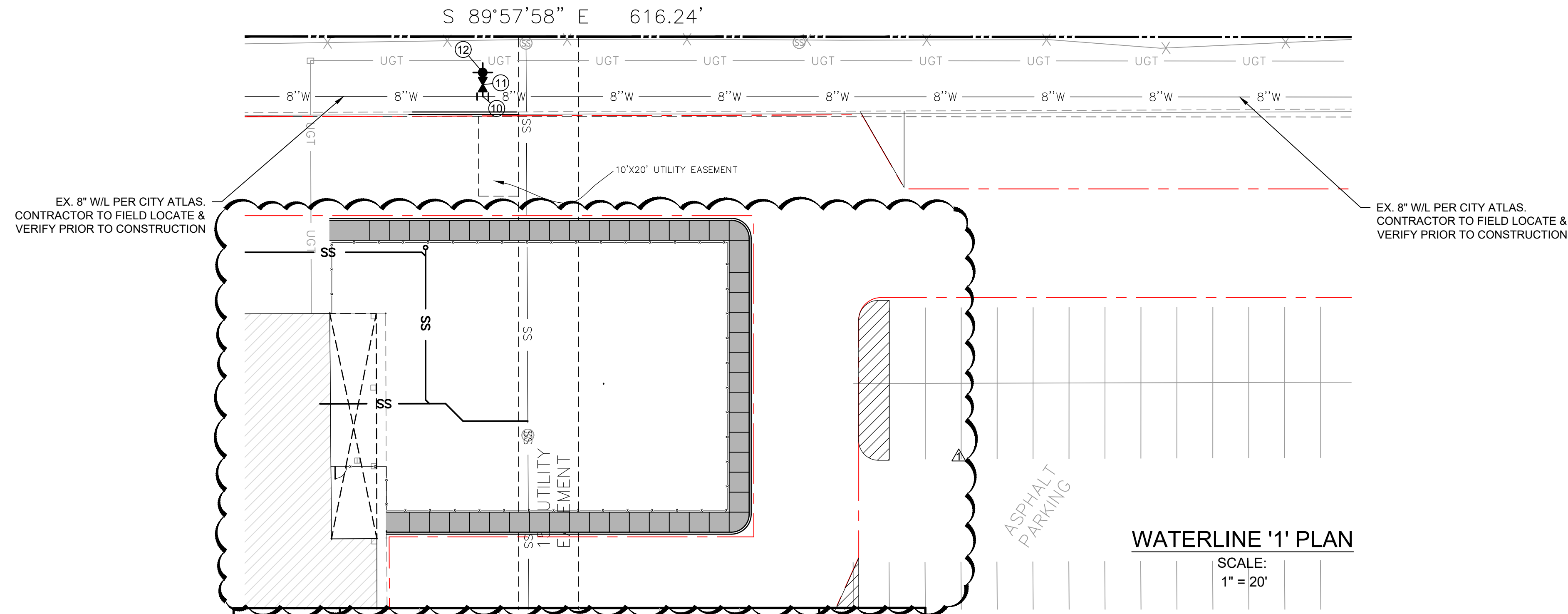
DRAWING TITLE:  
**UTILITY PLAN**  
 SHEET:  
**C1.00**





**WATERLINE '1'**

- ⑩ STA. 10+00.00  
CONST. (1) 8" X 6" CUT IN TEE W/  
MECHANICAL JOINTS  
FL = 1241.37
- ⑪ STA. 10+03.00  
CONST. (1) 6" GATE VALVE & BOX  
FL = 1241.37
- ⑫ STA. 10+06.00  
CONST. (1) FIRE HYDRANT  
CONST. (1) FIRE HYDRANT RISER (IF  
NEEDED)  
FL=1241.37



**WATERLINE '1' PROFILE**

CONST. (1) 6 L.F. OF 6" W/L (C-900)  
SCALE:  
HORIZ: 1" = 10'  
VERT: 1" = 1'

1249		1249
1248		1248
1247		1247
1246	EX. CL OF CONSTRUCTION	1246
1245		1245
1244		1244
1243	EX. 8" W/L	1243
1242	18.21 L.F. OF EX. 6" W/L TO BE REMOVED	1242
1241		1241
1240		1240
1239		1239
1238		1238

STEAMER ELEV = 1247.37

⑩ STA. 10+00.00  
CONST. (1) 8" X 6" CUT IN TEE  
W/MECHANICAL JOINTS  
FL = 1241.37

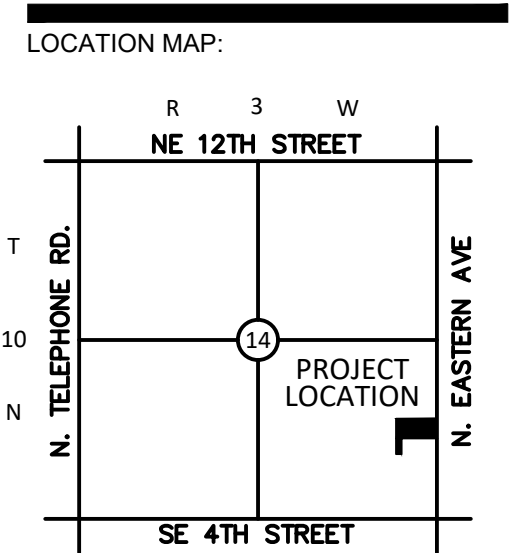
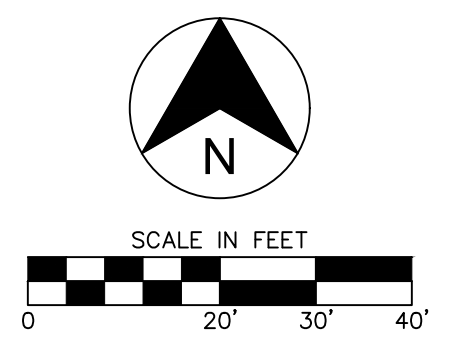
⑪ STA. 10+03.00  
CONST. (1) 6" GATE VALVE & BOX  
FL = 1241.37

⑫ STA. 10+06.00  
CONST. (1) FIRE HYDRANT  
CONST. (1) FIRE HYDRANT RISER (IF  
NEEDED)  
FL=1241.37

**WATERLINE '1' PLAN**

SCALE:  
1" = 20'

- NOTES:**
- WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.
  - CONTRACTOR SHALL FIELD LOCATE AND VERIFY UTILITY CROSSINGS PRIOR TO CONSTRUCTION.



NOT TO SCALE

PROJECT:

**MPS DAYCARE**

201 N. EASTERN  
MOORE OK

PROJECT NUMBER: 24110  
DRAWING DATE: 11.05.24  
ISSUE DATE: 11.05.24

SEAL:



SUBMITTAL:

**PERMIT SET**

REVISIONS:

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DRAWING TITLE:

**WATERLINE '1'  
PLAN &  
PROFILE**

SHEET:

**C2.00**

**WATER NOTES**

1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH CITY OF MOORE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
2. ALL FIRE HYDRANTS & VALVE BOXES TO BE SET TO PROPOSED FINAL GRADE WITH 4 1/2" STEAMER NOZZLE A MINIMUM AT 18" & A MAXIMUM OF 24" ABOVE GROUND LEVEL. ALL FIRE HYDRANTS TO HAVE DUCTILE IRON LEADS.
3. ALL EXISTING WATER MAINS BEING ABANDONED BY THIS PROJECT ARE TO REMAIN THE PROPERTY OF THE CITY OF MOORE AND SHALL BE SALVAGED BY THE WATER/WASTEWATER DEPARTMENT AT THEIR DISCRETION. HOWEVER, ITEMS IN THE WAY OF CONSTRUCTION MAY BE REMOVED AND DELIVERED TO THE WATER DEPARTMENT WAREHOUSE.
4. IN CASES WHERE MINIMUM HORIZONTAL AND VERTICAL SEPARATION FROM ADJACENT SANITARY SEWER LINES (SEE OAC 252.626-19) CANNOT BE MAINTAINED, CONTRACTOR SHALL ENCLOSE WATER MAIN IN APPROPRIATELY SIZED STEEL CASING. CASING SHALL EXTEND A MINIMUM OF 10-FT IN EITHER DIRECTION FROM WHERE HORIZONTAL OR VERTICAL SEPARATION IS LESS THAN MINIMUM ALLOWED BY OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REGULATIONS.
5. WHEN CROSSING STREETS, DRIVEWAYS SUBJECT TO HEAVY TRAFFIC, ALLEYS AND STRUCTURES, ETC., PIPE SHALL BE INSTALLED WITH COMPACTED ODOT TYPE 'A' BACKFILL. ALL OTHER PIPE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS OR CITY SPECIFICATION.
6. SET END OF MAIN STUBS IN CUL-DE-SACS AT A POINT 5.0' OFF PROPERTY LINE. THIS POINT BEING IN LINE WITH SIDE PROPERTY LINE.
7. IN INSTANCES WHERE FLOW LINES ARE NOT INDICATED ON THE DRAWINGS, MAIN SHALL BE CONSTRUCTED WITH A MINIMUM OF 4' COVER OR AS DIRECTED BY THE CITY'S DESIGNATED REPRESENTATIVE.
8. ALL STAKING FOR ALIGNMENT AND GRADE WILL BE DONE UNDER THE SUPERVISION OF LAND SURVEYOR REGISTERED IN THE STATE OF OKLAHOMA. GRADE STAKES WILL BE MARKED AND CUT SHEETS WILL BE FURNISHED TO THE CITY'S DESIGNATED REPRESENTATIVE ON THE PROJECT PRIOR TO CONSTRUCTION.
9. UNLESS SPECIFICALLY AUTHORIZED, ALL GATE VALVES ARE TO BE LOCATED AT P.C. OR P.T. OF STREET CURB. WHEN FIRE HYDRANTS ARE REQUIRED THEY SHALL BE LOCATED WITHIN 5' OF GATE VALVES.
10. POLY WRAP ALL CAST OR DUCTILE STEEL FITTINGS PRIOR TO BACKFILLING.



GENERAL NOTES

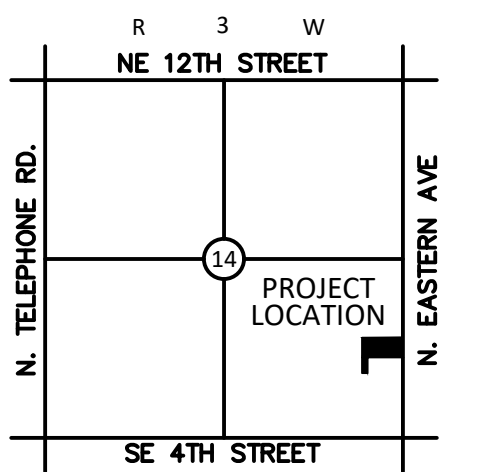
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APPROVED  
09/18/2023







LOCATION MAP:



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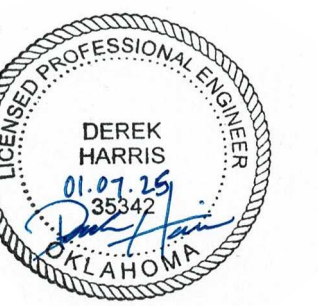
PROJECT:

**MPS DAYCARE**

201 N. EASTERN  
 MOORE OK

PROJECT NUMBER: 24110  
 DRAWING DATE: 11.05.24  
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SEAL:



SUBMITAL:

**PERMIT SET**

REVISIONS:

01.07.25 CB #1

MARK DATE DESCRIPTION

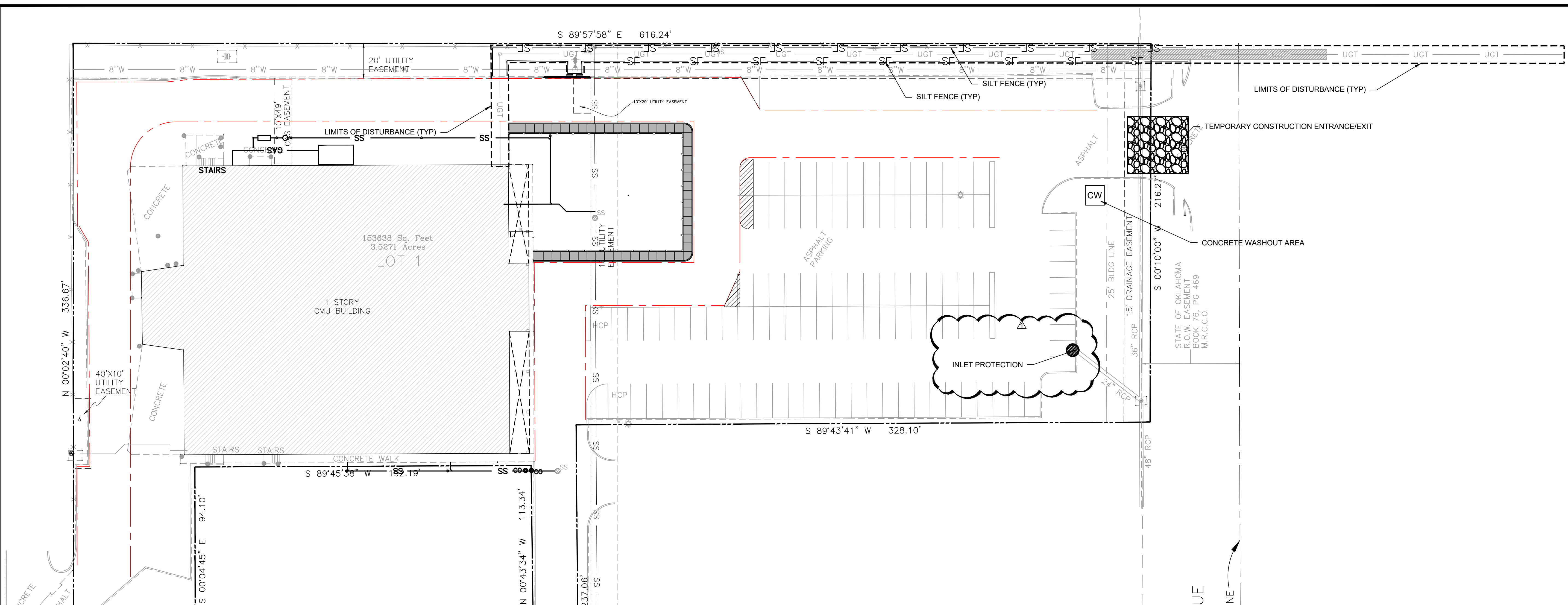
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DRAWING TITLE:

**EROSION CONTROL PLAN**

SHEET:

**C3.00**



**LEGEND**

---	EXISTING 1' CONTOUR	---	EXISTING 5' CONTOUR
---	PROPOSED 1' CONTOUR	---	PROPOSED 5' CONTOUR
---	BOUNDARY LINE	---	RIGHT OF WAY LINE
---	EASEMENT LINE	---	EXISTING CURB AND GUTTER
---	PROPOSED CURB AND GUTTER	---	PROPOSED FIRE LANE STRIPING
---	OHE	---	OVERHEAD ELECTRIC LINE
---	UGE	---	UNDERGROUND ELECTRIC LINE
---	GAS	---	GAS LINE
---	UGT	---	UNDERGROUND TELEPHONE LINE
---	FO	---	UNDERGROUND FIBER OPTIC LINE
---	SS	---	SANITARY SEWER LINE
---	W	---	WATERLINE
---	RETAINING WALL	---	SCREEN WALL
---	WIRE FENCE	---	CHAIN LINK FENCE
---	BENCHMARK	---	PROP. FIRE HYDRANT
---	PROP. WATER VALVE	---	PROP. WATER METER
---	PROP. ELECT. METER	---	PROP. LIGHT POLE
---	PROP. BOLLARD	---	PROP. TRANSFORMER
---	PROP. PARKING COUNT	---	PROP. INLETS (SEE GRADING PLAN FOR TYPE)
---	PROP. WHEEL STOP	---	PROP. FES
---	PROP. HC RAMP	---	PROP. POWER POLE
---	PROP. SS MANHOLE	---	PROP. GAS METER
---	PROP. FIRE ROUTE SIGN	---	PROP. SIGN
---	LIMITS OF DISTURBANCE	---	SILT FENCE
---	TEMPORARY DIVERSION DIKE	---	SODDING
---	INLET PROTECTION	---	CONCRETE WASHOUT AREA

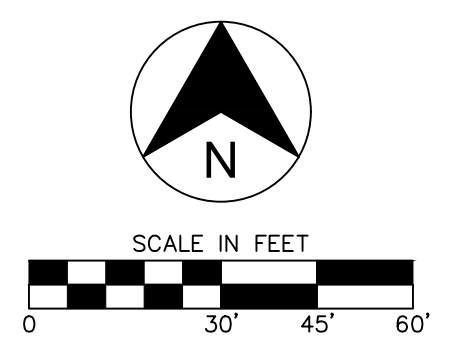
\*NOTE: REFER TO SURVEYING LEGEND FOR EXISTING STRUCTURES IDENTIFICATION

**SEQUENCE OF CONSTRUCTION**

- PHASE 1**
1. A PRE-CONSTRUCTION MEETING SHALL BE HELD BY THE GENERAL CONTRACTOR'S MANAGER, AND THE OPERATOR'S ENGINEER PRIOR TO LAND DISTURBING ACTIVITIES.
  2. PREPARE AND PULL ALL NECESSARY PERMITS.
  3. CONSTRUCT TEMPORARY CONSTRUCTION EXITS AT LOCATIONS SHOWN ON THE SWPPP PLANS AND PREPARE TEMPORARY PARKING AND STORAGE AREA, UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WELL WASH, CONCRETE WASHOUT, MASONS AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGE IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
  4. CONSTRUCT THE SILT FENCES ON THE SITE. HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEERING CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMP'S. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORMWATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND-DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
  5. INSTALL PUBLIC WATER, SEWER AND BOX CULVERT
  6. DEMO, CLEAR AND GRUB THE SITE.
  7. BEGIN GRADING THE SITE.
  8. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
  9. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
- PHASE 2**
1. INSTALL UTILITIES, UNDER DRAINS, STORM SEWERS, CURB AND GUTTERS.
  2. INSTALL INLET PROTECTION DEVICES.
  3. INSTALL RIP RAP AROUND OUTLET STRUCTURES.
  4. FINALIZE PAVEMENT SUBGRADE PREPARATION.
  5. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
  6. PAVE LOT.
  7. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS. (THESE AREAS TO BE PAVED LAST)
  8. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
  9. FINE GRADE AND INSTALL PERMANENT SEEDING AND PLANTINGS.
  10. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS DEvised. (ONLY IF SITE IS STABILIZED)
  11. REMOVE INLET PROTECTIONS AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.

**EROSION CONTROL NOTES**

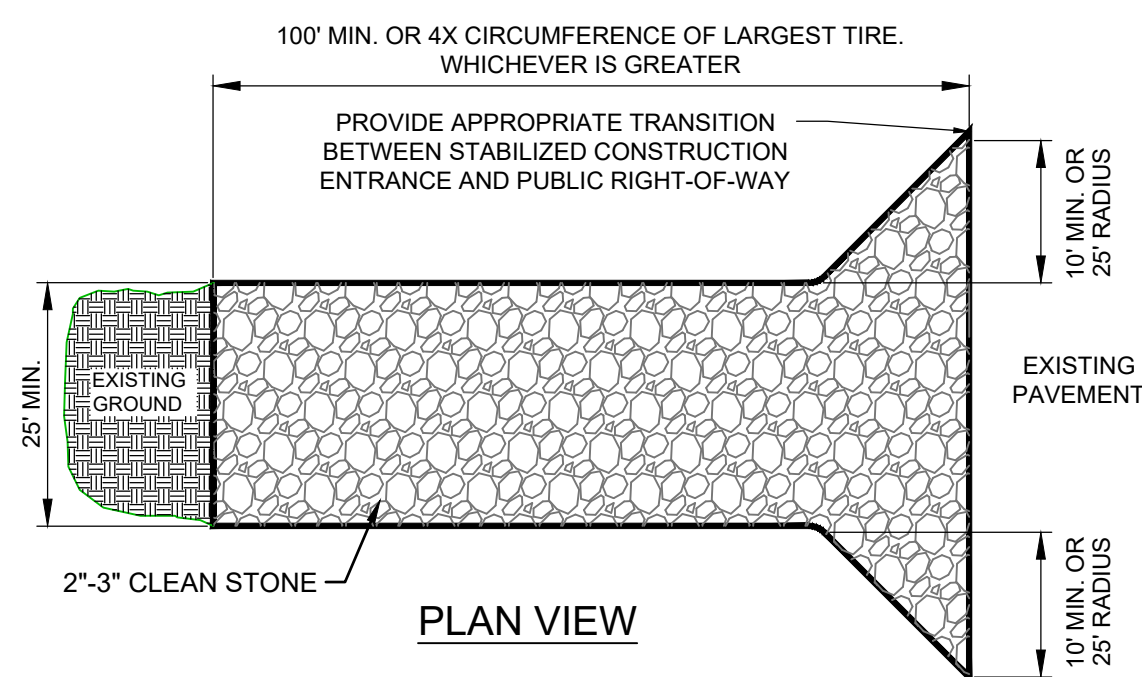
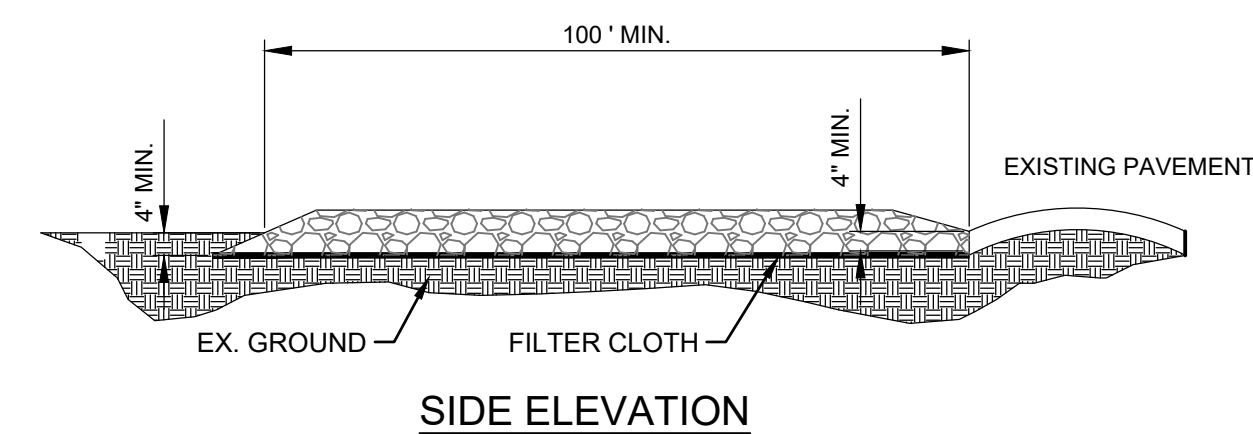
1. SEDIMENT BASINS ARE ATTRACTIVE TO CHILDREN AND CAN BE VERY DANGEROUS. IN ALL CASES, LOCAL ORDINANCES AND REGULATIONS REGARDING HEALTH AND SAFETY MUST BE ADHERED TO.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF OKLAHOMA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER FINAL STABILIZATION. FINAL STABILIZATION HAS OCCURRED WHEN ALL SOIL DISTURBING ACTIVITIES ARE COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE COVER FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES HAS BEEN EMPLOYED.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
5. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
6. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
9. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
12. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 14 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
14. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
16. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
17. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
19. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC.) TO PREVENT EROSION.
20. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
21. A 3' STRIP OF SOD SHALL BE PLACED ALONG THE EDGE OF ALL PAVING TO ACT AS A SEDIMENT BUFFER AND AID IN THE ESTABLISHMENT OF VEGETATION.



**SITE DATA**

TOTAL AREA OF CONSTRUCTION SITE : 0.156 (ACRES)  
 TOTAL AREA TO BE DISTURBED: 0.156 (ACRES)  
 CURRENT (EXISTING) IMPERVIOUS AREA: 0.029 (ACRES)  
 POST-CONSTRUCTION IMPERVIOUS AREA: 0.029 (ACRES)  
 POST CONSTRUCTION RUNOFF COEFFICIENT: 0.584  
 [(IMPERVIOUS(0.95))+PERVIOUS(.50)] \ OVERALL = C

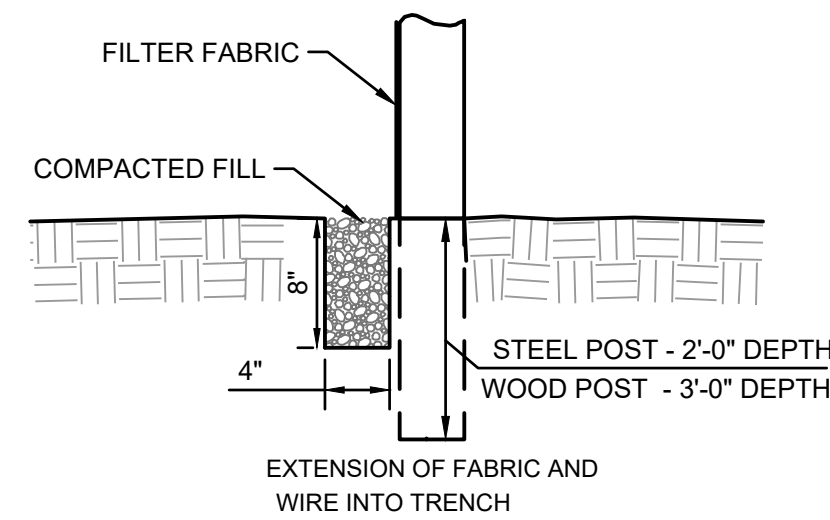
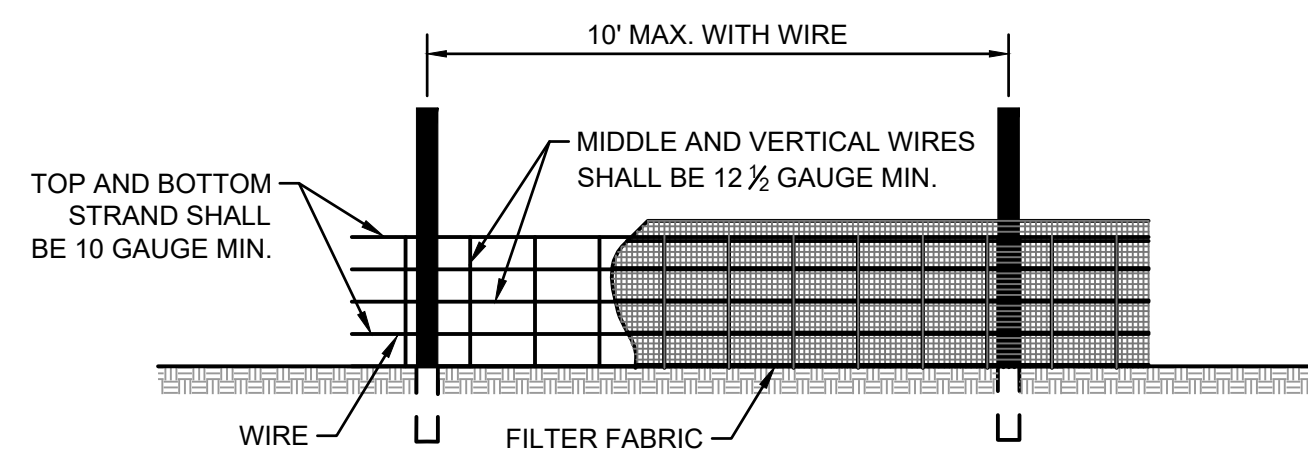




- NOTES:
1. STONE - USE COARSE AGGREGATE (2 - 3 INCH STONE)
  2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 100 FEET.
  3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
  4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
  5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
  6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  7. 12" X 24" METAL GRATE MAY BE USED. GRATE SHALL BE 25' AWAY FROM PAVEMENT AND APPROPRIATE SEDIMENT CONTROL TRAPPING DEVICE SHALL BE USED AT GRATE OUTLET POINT.

**STABILIZED CONSTRUCTION ENTRANCE**

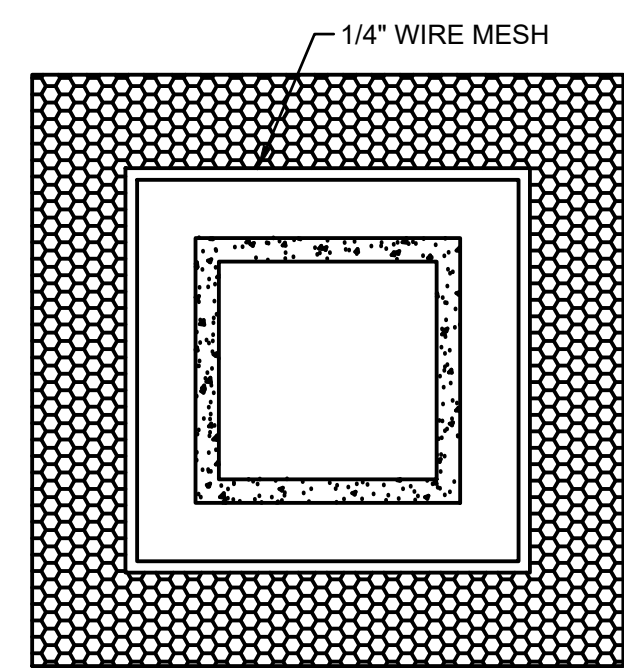
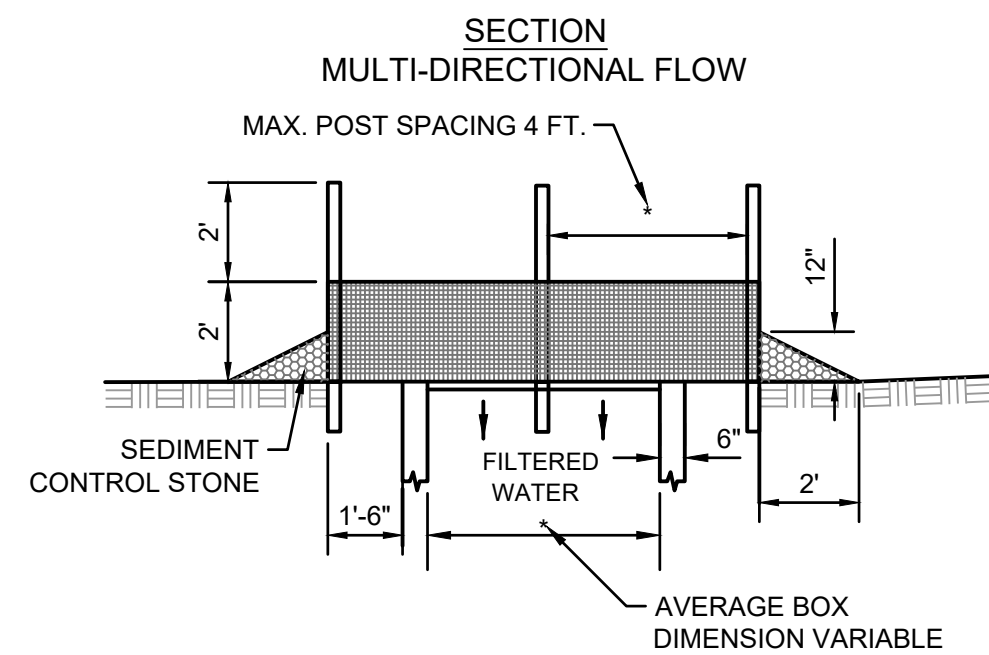
NOT TO SCALE



- NOTES:
1. WIRE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
  2. FILTER FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE.
  3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
  4. WOOD POST SHALL BE 6'-0" IN HEIGHT AND 3" IN DIAMETER.

**SILT FENCE DETAIL**

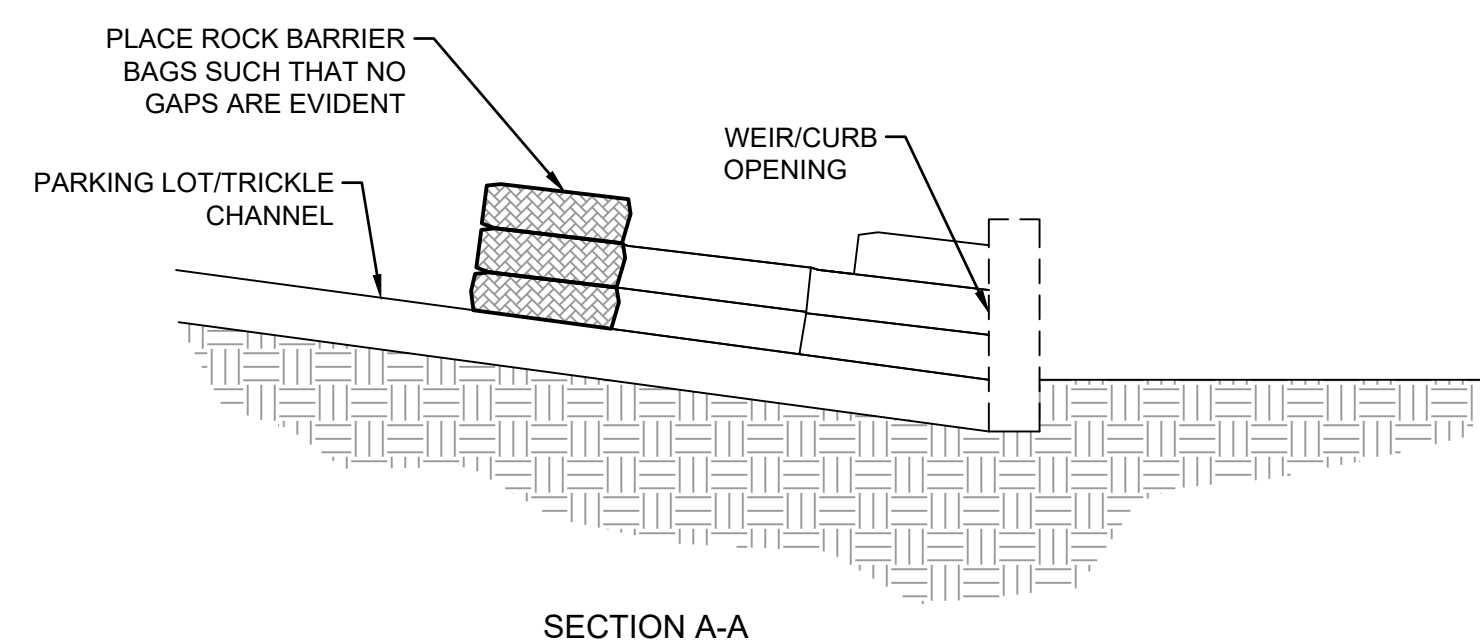
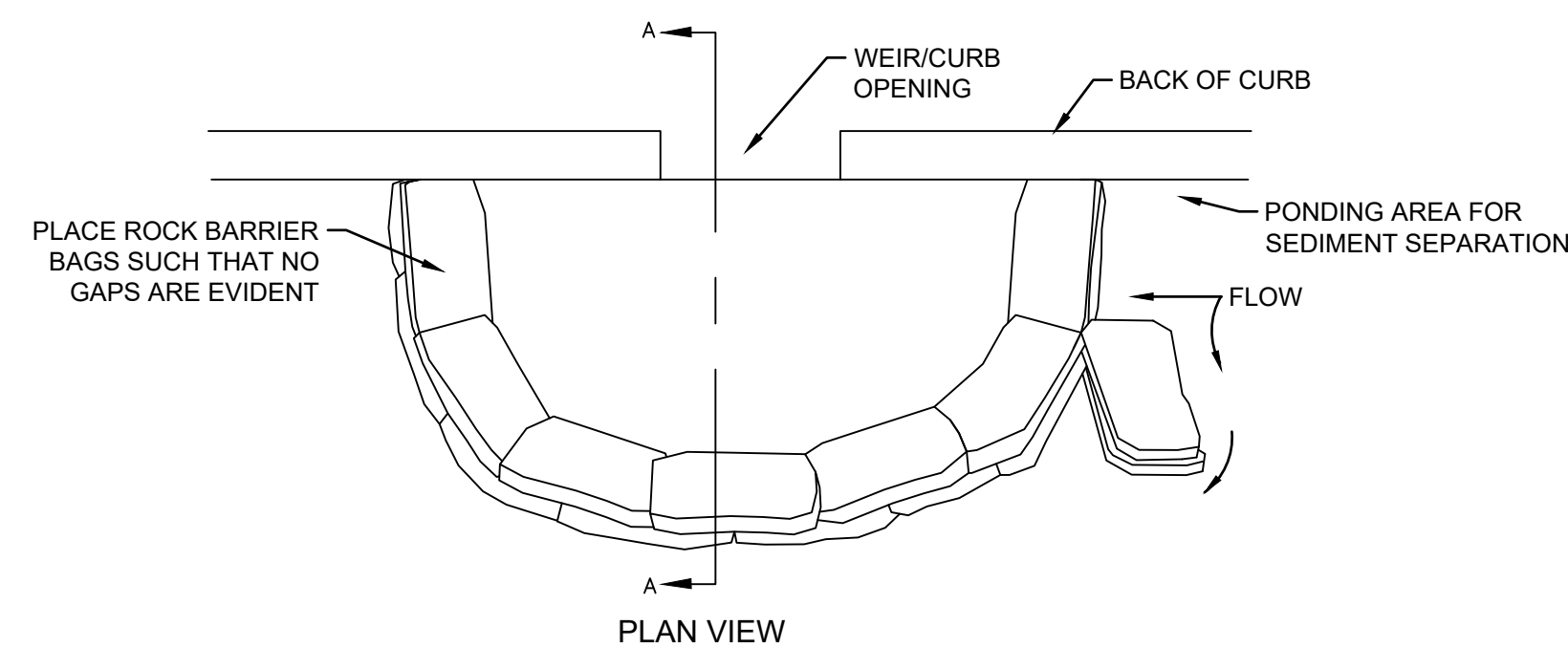
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**INLET PROTECTION DETAIL**

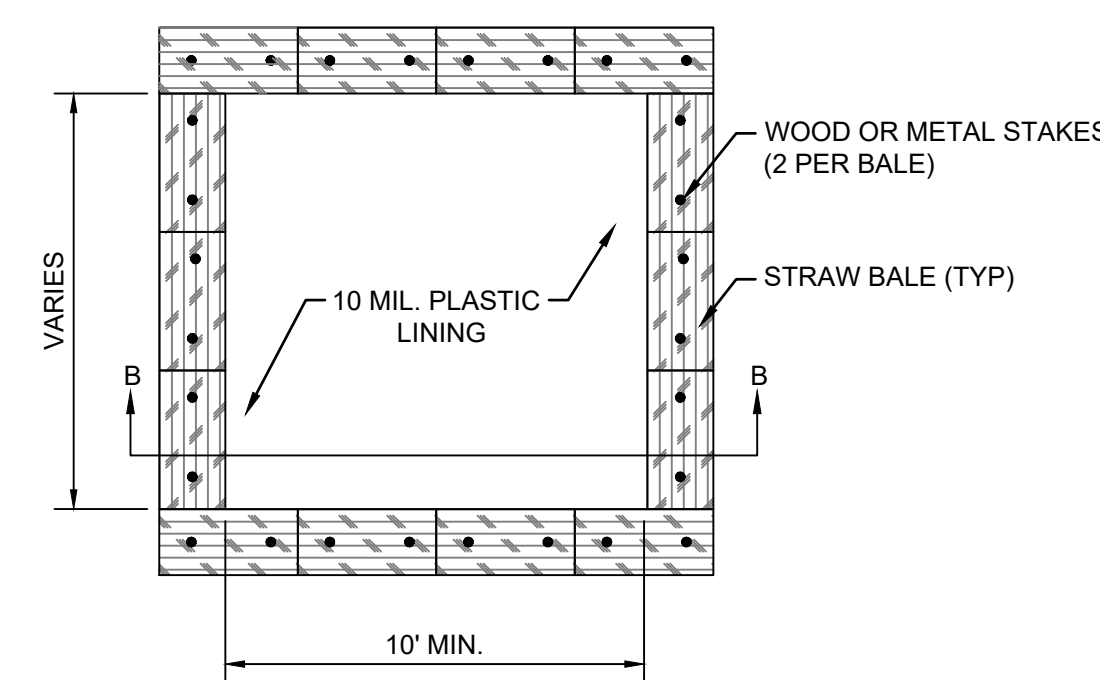
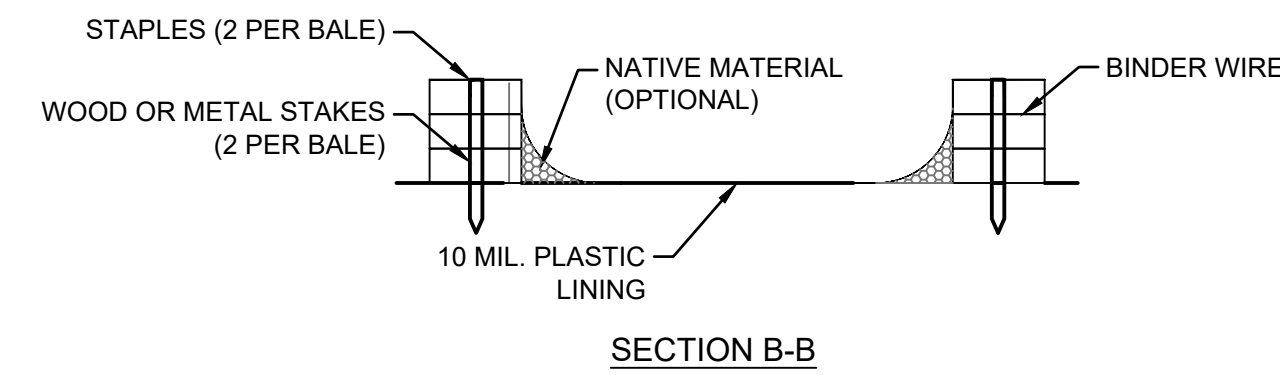
NOT TO SCALE

- NOTES:
1. SEDIMENT CONTROL STONE SHALL BE 3/4" WASHED STONE.
  2. WIRE MESH SHALL BE HARDWARE CLOTH 23 GAUGE MIN. AND SHALL HAVE 1/4" MESH OPENINGS.
  3. TOP OF WIRE MESH SHALL BE A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.
  4. STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 1.5 FT. DEEP MINIMUM, AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
  5. WOOD POST SHALL BE 6 FT. IN HEIGHT, BE INSTALLED TO 1.5 FT. DEEP MINIMUM, AND BE 3 INCHES IN DIAMETER.
  6. POST SPACING SHALL BE A MAXIMUM OF 4 FT.

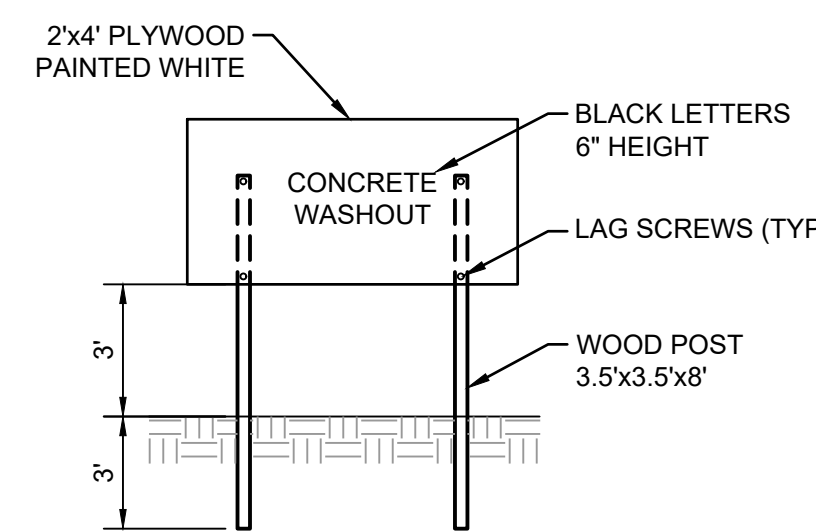


**CURB INLET PROTECTION DETAIL**

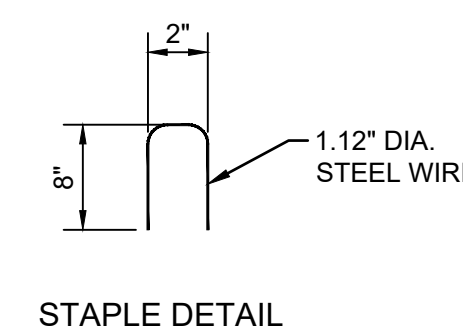
NOT TO SCALE



**TYPE 'ABOVE GRADE' WITH STRAW BALES**



**CONCRETE WASHOUT SIGN DETAIL**

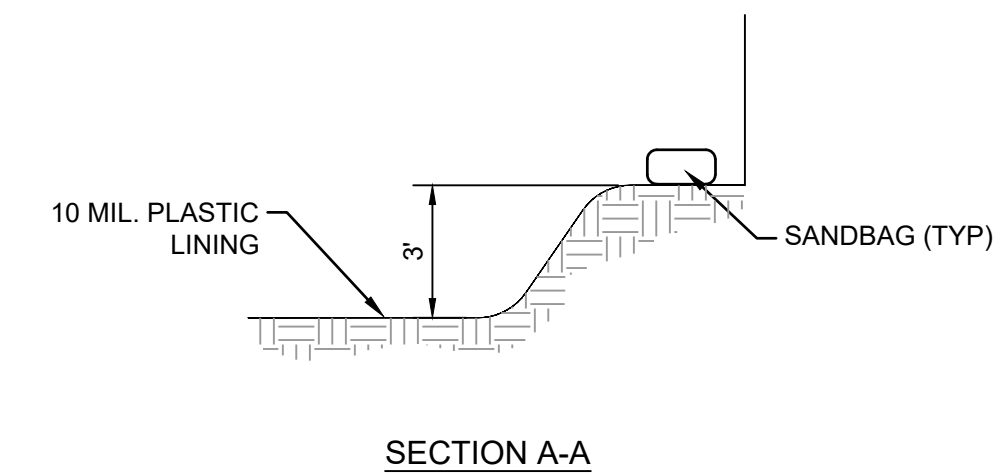


**STAPLE DETAIL**

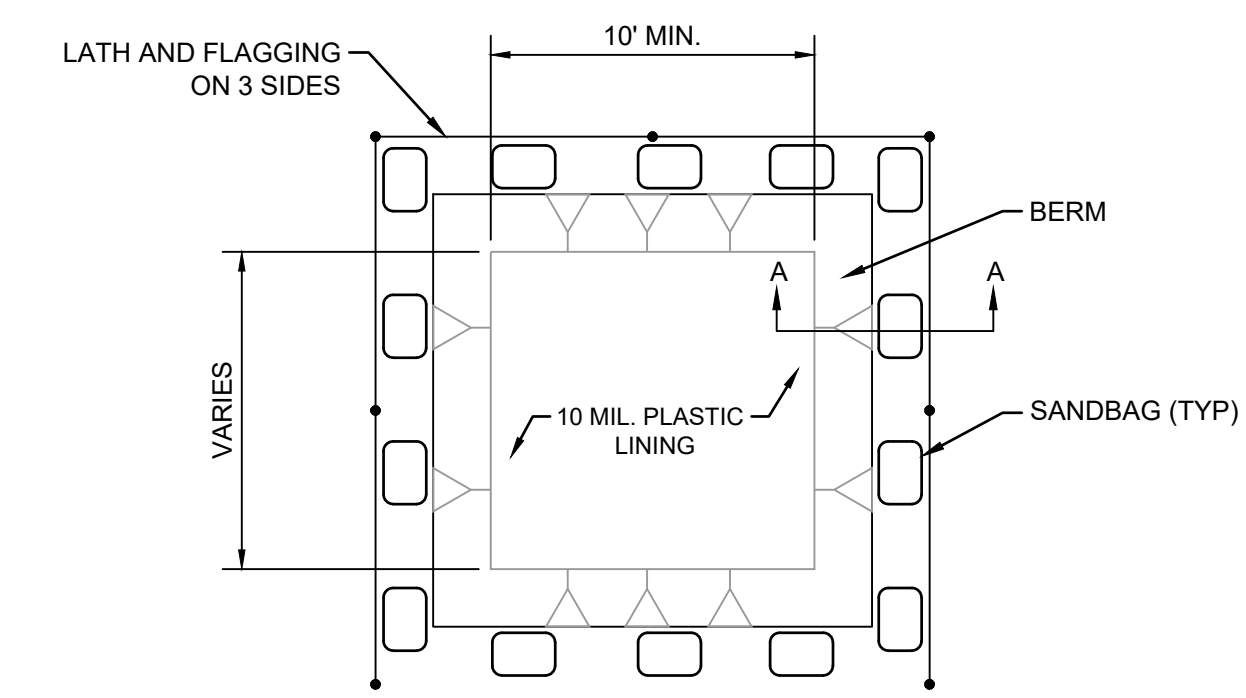
- NOTES:
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
  2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
  3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
  4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED AND STABILIZED TO PREVENT EROSION.

**CONCRETE WASHOUT DETAIL**

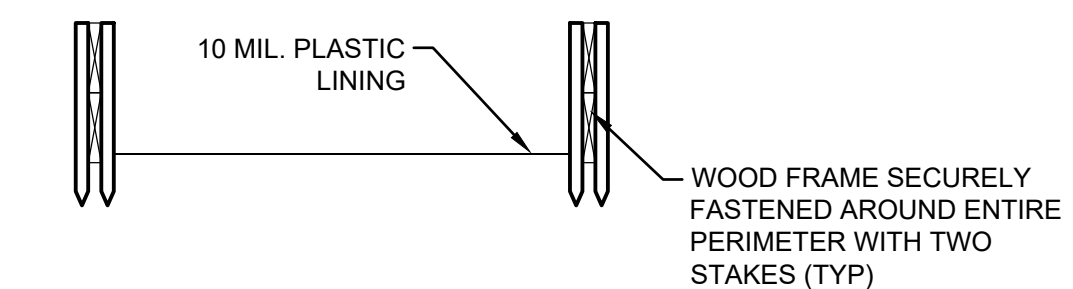
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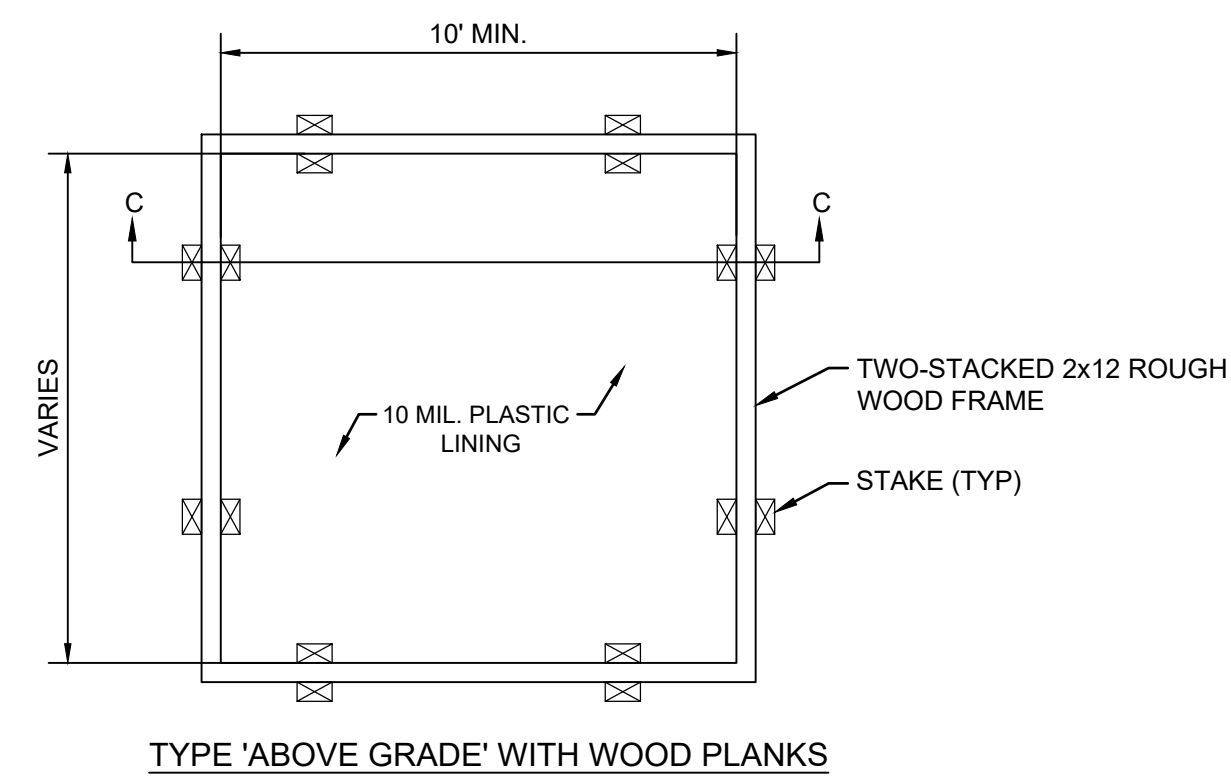
**SECTION A-A**



**TYPE 'BELOW GRADE'**

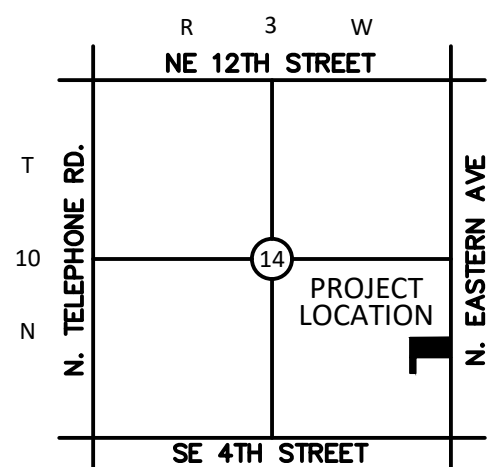


**SECTION C-C**



**TYPE 'ABOVE GRADE' WITH WOOD PLANKS**

LOCATION MAP:



NOT TO SCALE

PROJECT:

**MPS DAYCARE**

201 N. EASTERN  
MOORE OK

PROJECT NUMBER: 24110  
 DRAWING DATE: 11.05.24  
 ISSUE DATE: 11.05.24

SEAL:



SUBMITTAL:

**PERMIT SET**

REVISIONS:

MARK DATE DESCRIPTION

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DRAWING TITLE:

**EROSION CONTROL DETAILS**

SHEET:

**C3.01**





CG  
drawn by  
MA  
checked by  
OCTOBER 2024  
date

- revisions
- 1 ADDENDUM #1
  - 2 ADDENDUM #2
  - 3 ADDENDUM #3
  - 4 CB-1

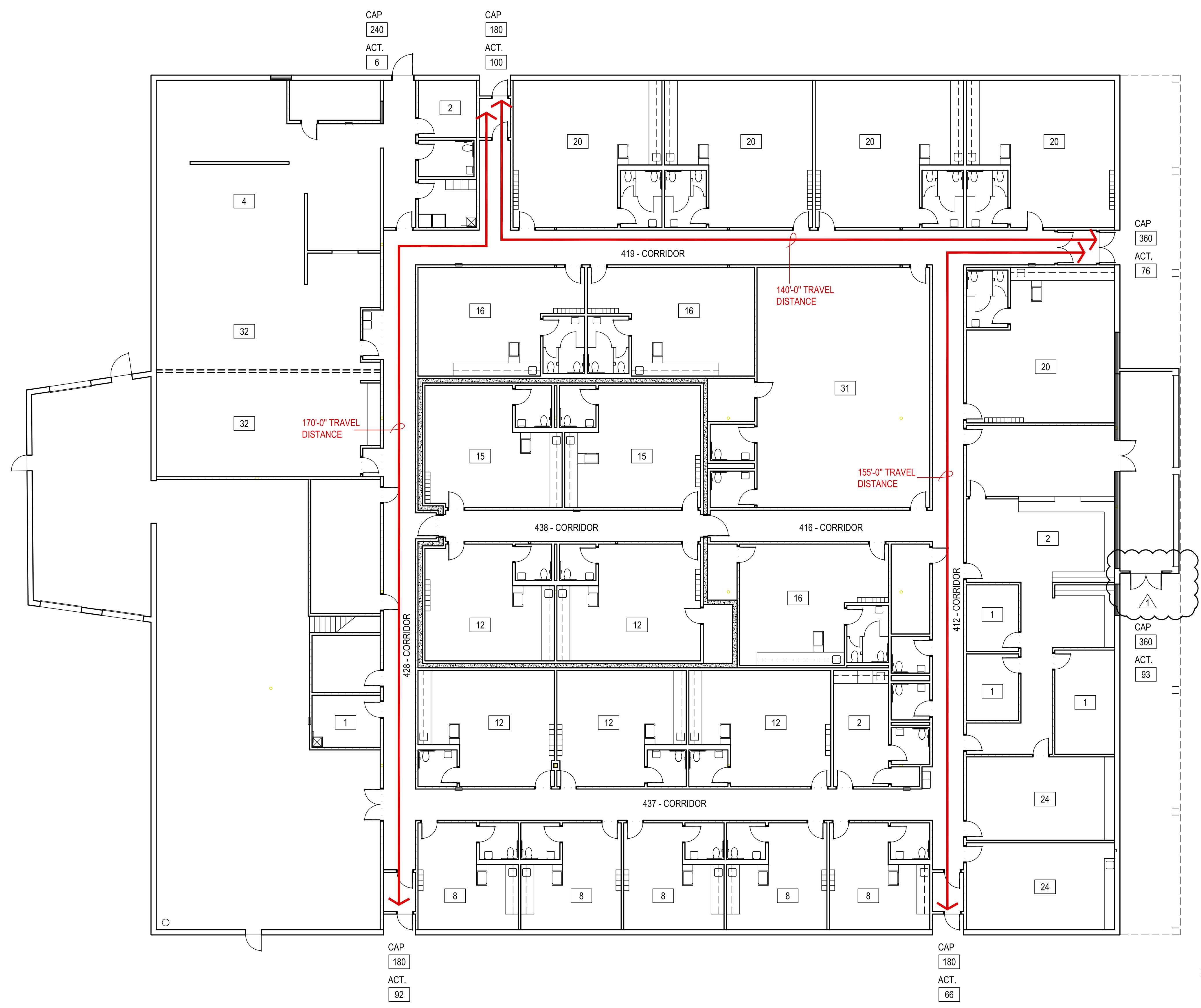


CHILD CARE FACILITY  
201 N. EASTERN AVE.

sheet no:

## A102

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**CONSTRUCTION DATA (TABLE 503):**

OCCUPANCY - I-4  
CONSTRUCTION TYPE - TYPE II - B  
BASIC ALLOWABLE AREA - I-4 - 52,000 S.F. PER FLOOR  
ALLOWABLE STORIES - 3  
ACTUAL STORIES - 1  
ACTUAL HEIGHT - 23'-4"

BUILDING SIZES:  
BUILDING : 1 STORY @ 32,200 S.F.

STRUCTURAL FIRE PROTECTION (TABLE 601):  
EXTERIOR BEARING WALLS 0 HOUR  
INTERIOR BEARING WALLS NONCOMBUSTIBLE  
EXTERIOR NONBEARING WALLS NONCOMBUSTIBLE  
COLUMNS 0 HOUR  
BEAMS 0 HOUR  
PERMANENT PARTITIONS NONCOMBUSTIBLE  
FLOOR ASSEMBLIES 0 HOUR  
ROOF ASSEMBLIES 0 HOUR  
EXTERIOR OPENINGS N/A

PASSIVE FIRE SAFETY SYSTEM:  
PORTABLE FIRE EXTINGUISHERS (RE: SHEETS A104)  
TRAVEL DISTANCE = 250'-0" MAX.  
ACTUAL MAX. TRAVEL DISTANCE = 170'-0"  
DEADEND - 50'-0" MAX.  
ACTUAL DEADEND - NONE

ACTIVE FIRE SAFETY SYSTEMS (EXISTING & NEW ADDITION):  
FIRE SPRINKLER SYSTEM THROUGHOUT  
FIRE ALARM SYSTEM  
SMOKE DETECTION  
AUTOMATIC AIR HANDLING EQUIP. SHUTDOWN  
EXIT LIGHTS/EMERGENCY LIGHTS BATTERY

CODES/REGULATIONS USED (CITY OF MOORE):  
2018 IBC - INTERNATIONAL BUILDING CODE  
AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES  
2020 NATIONAL ELECTRICAL CODE  
2018 INTERNATIONAL PLUMBING CODE  
2018 INTERNATIONAL MECHANICAL CODE  
2018 INTERNATIONAL FIRE CODE  
2009 ENERGY CONSERVATION CODE  
ASSOCIATED SUPPLEMENTS TO EACH CODE

**OCCUPANT LOAD (TABLE 1004.1.1):**

BUILDING RENOVATION: 278 CHILDREN  
12 ADMIN / STAFF  
40 TEACHERS  
  
330 TOTAL OCCUPANTS

**EGRESS WIDTH:**

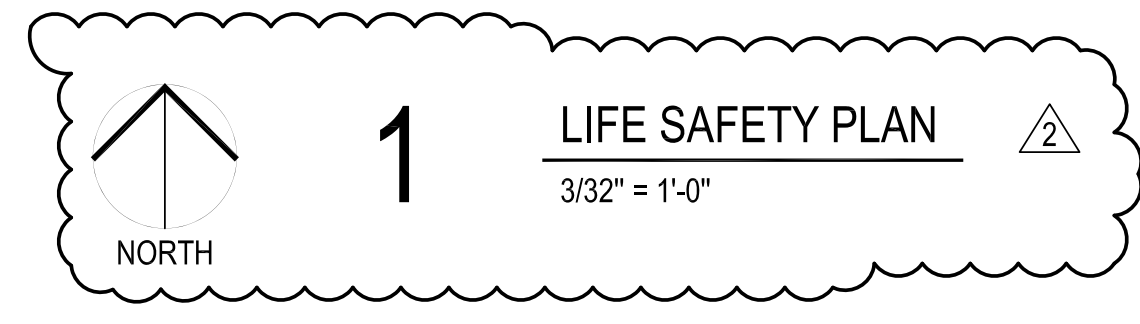
BUILDING RENOVATION: REQUIRED 66"  
BUILDING RENOVATION: PROVIDED 432"

**PLUMBING FIXTURES (TABLE 2902.1):**

TOTAL OCCUPANT LOAD ( INSTITUTIONAL ) = 330

TOTAL REQUIRED:	TOTAL PROVIDED
WATER CLOSETS = 22	WATER CLOSETS = 34
LAVATORIES = 22	URINALS = 0
DRINKING FOUNTAINS = 4	LAVATORIES = 49
SERVICE SINKS = 1	DRINKING FOUNTAINS = 4
	SERVICE SINKS = 2

--- DENOTES 1 HR. RATED PARTITIONS CLOSE-OUT TO BOTTOM OF DECKING - CLOSE-OUT PARTITIONS TO BE CMU WHERE INDICATED ON STRUCTURAL FOR LOAD BEARING CONDITIONS. ALL OTHER INDICATED LOCATIONS TO BE CONSTRUCTED OF 1 LAYER OF 5/8" FIRE RATED GYP. BOARD EACH SIDE ON 6" METAL STUDS @ 16" O.C. STAGGER ALL JOINTS & PROVIDE FIRE TAPE. SEAL ALL PENETRATIONS W/ CONTINUOUS FIRE STOPPING INSULATION &/OR SEALANT.



**CORRIDOR WIDTH REQUIREMENTS :**

\*\*\* DENOTES NUMBER OF OCCUPANTS PER ROOM

412 - CORRIDOR : 78 MAX. OCCUPANTS X 0.20 = 16" REQ'D / 72" PROVIDED  
416 - CORRIDOR : 58 MAX. OCCUPANTS X 0.20 = 12" REQ'D / 72" PROVIDED  
419 - CORRIDOR : 100 MAX. OCCUPANTS X 0.20 = 20" REQ'D / 80" PROVIDED  
428 - CORRIDOR : 92 MAX. OCCUPANTS X 0.20 = 19" REQ'D / 73" PROVIDED  
437 - CORRIDOR : 48 MAX. OCCUPANTS X 0.20 = 10" REQ'D / 72" PROVIDED

ALL CORRIDORS & EXIT DOORS EXCEED MINIMUM CLEARANCES AS REQUIRED BY IBC & ADA





CG  
drawn by  
MA  
checked by  
OCTOBER 2024  
date

- revisions
- 1 ADDENDUM #1
  - 2 ADDENDUM #2
  - 3 ADDENDUM #3
  - 4 CB-1



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