SUMMARY OF QUANTITIES				
ITEM#	ITEM	UNIT	QUANTITY	AS-BUILT
1.	6" WATERLINE (C-900)	L.F.	6	
2.	8" X 6" CUT IN TEE W/ MECHANICAL JOINTS	EA	1	
3.	6" GATE VALVE & BOX	EA	1	
4.	FIRE HYDRANT	EA.	1	
5.	FIRE HYDRANT RISER (IF NEEDED)	EA	1	
6.	CRUSHED ROCK BEDDING	C.Y.	1	
7.	TESTING AND DISINFECTING	L.S.	1	
	SHEET			

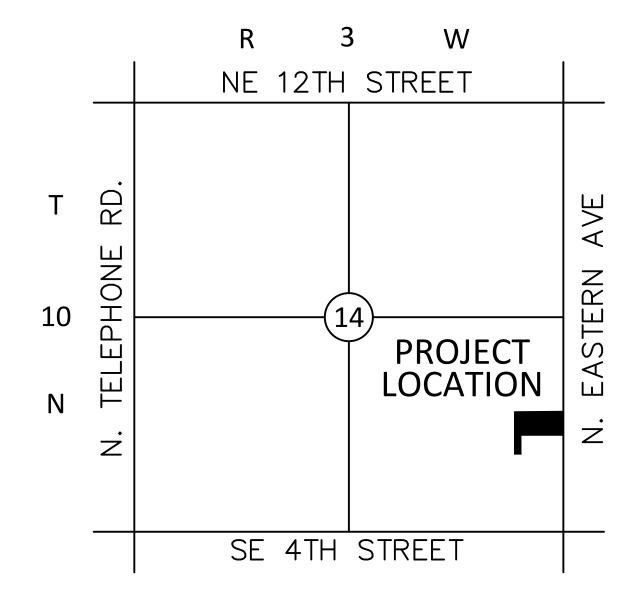
		<u> </u>			
SHEET INDEX					
SHEET NUMBER	SHEET TITLE	DATE	REV/BID/CO/ADD		
C0.00	WATER COVER SHEET	11.05.24			
C1.00	UTILITY PLAN	11.05.24			
C2.00	WATERLINE 1 PLAN AND PROFILE	11.05.24			
C2.01	WATERLINE DETAILS	11.05.24			
C3.00	EROSION CONTROL PLAN	11.05.24			
C3.01	EROSION CONTROL DETAILS	11.05.24			

# PUBLIC WATERLINE PLANS

TO SERVE

# MPS DAYCARE 201 N. EASTERN

A PART OF THE NE/4 OF SEC. 14, T-10-N, R-3-W, I.M. MOORE, CLEVELAND COUNTY, OKLAHOMA





#### **GENERAL NOTES:**

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR RAZING AND REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- B. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- C. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- D. WARRANTY/DISCLAIMER: THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.
- E. SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
- F. ALL CONSTRUCTION WITHIN STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT RESIDENT MAINTENANCE ENGINEER
- G. ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF MOORE STANDARD DETAILS AND CITY OF MOORE STANDARDS AND SPECIFICATIONS

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHEREING TO THE FOLLOWING OKLAHOMA DEQ REQUIREMENTS AND SPECIFICATIONS LISTED OUT FROM OAC 252:626

- a. 252;626-19-2(a) STANDARDS THE STANDARDS IN THIS SECTION APPLY TO THE INSTALLATION OF PIPING IN PUBLIC WATER SUPPLY DISTRIBUTION LINES.
- b. 252:626-19-2(b) BEDDING PROVIDE CONTINUOUS AND UNIFORM BEDDING IN THE TRENCH FOR ALL BURIED PIPE. TAMP BACKFILL MATERIAL IN LAYERS AROUND THE PIPE AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE. REMOVE ALL STONE FOUND IN THE TRENCH TO A DEPTH OF AT LEAST 6 INCHES BELOW THE BOTTOM OF THE PIPE
- c. 252:626-19-2(d) BLOCKING PROVIDE REACTION BLOCKING, TIE RODS, OR JOINTS DESIGNED TO PREVENT MOVEMENT AT ALL TEES, BENDS, PLUGS AND HYDRANTS TO PREVENT MOVEMENT OF THE PIPE
- d. 252:626-19-2(e) PRESSURE AND LEAKAGE TESTING TEST THE INSTALLED PIPE FOR LEAKAGE IN ACCORDANCE WITH AWWA STANDARD SPECIFICATIONS. LEAKAGE MUST NOT EXCEED 10 GAL/INCH DIAMETER PER MILE PER 24 HOURS AT 150 PSI TESTING PRESSURE.
- e. 252:626-19-2(f) DISINFECTION AND TESTING DISINFECT ALL WATERLINES ACCORDING TO AWWA STANDARD SPECIFICATIONS. OBTAIN SAFE BACTERIOLOGICAL SAMPLES ON TWO CONSECUTIVE DAYS BEFORE PLACING THE WATERLINE INTO SERVICE.
- f. 252:626-19-2(j) TRACER WIRE INSTALL METAL TRACER WIRE ON ALL NON-FERROUS PIPING USED FOR PUBLIC WATER SUPPLY MAIN.

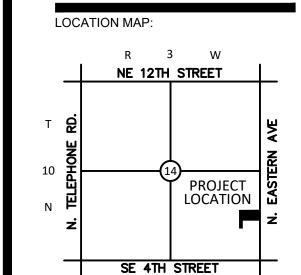
DRAWINGS BASED ON SURVEY PROVIDED BY COWAN GROUP ENGINEERING.
RECEIVED ON 10.08.24

NOTE: TRACER WIRE REQUIRED WITH WATERLINE EXTENSION

NOTE: ALL FITTINGS SHALL BE RESTRAINED. REFER TO CITY OF MOORE DETAILS THAT SHOW MIN. RESTRAINED LENGTH.



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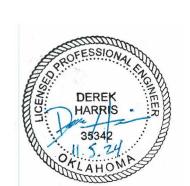
ROJECT:

#### MPS DAYCARE

201 N. EASTERN MOORE OK

PROJECT NUMBER:	24
DRAWING DATE:	11.05
ISSUE DATE:	11.05

SFAL:



PERMIT SET

REV	ISIONS:	

DESCRIPTION

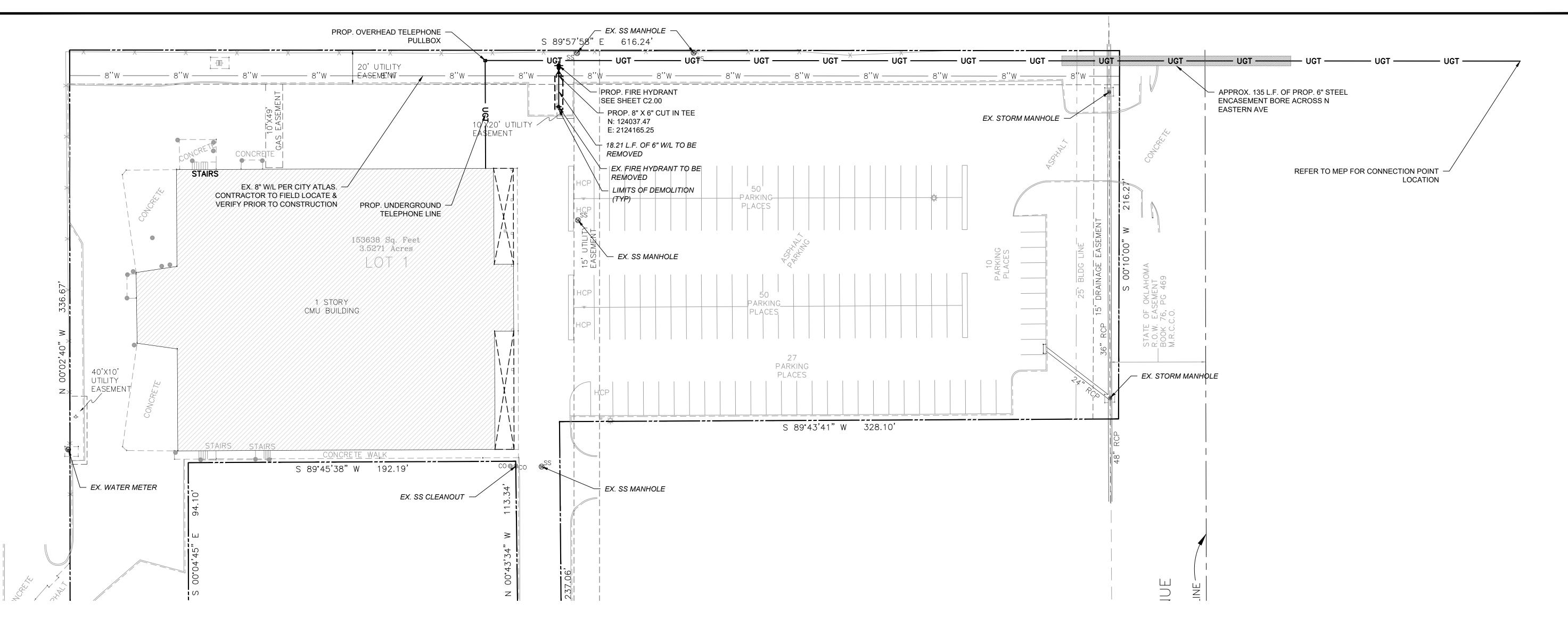
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DRAWING TITLE:

COVER SHEET

CHEET.

C0.00



### 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 OVERHEAD ELECTRIC LINE UNDERGROUND ELECTRIC LINE UNDERGROUND TELEPHONE LINE UNDERGROUND FIBER OPTIC LINE SANITARY SEWER LINE WATERLINE **RETAINING WALL** SCREEN WALL \_\_\_\_X\_\_\_X\_\_\_ WIRE FENCE \_\_\_\_\_ CHAIN LINK FENCE BENCHMARK PROP. FIRE HYDRANT PROP. WHEEL STOP PROP. WATER VALVE ■ PROP. FES PROP. HC RAMP PROP. WATER METER Ø PROP. POWER POLE

PROP. ELECT. METER **G**PE PROP. LIGHT POLE

S PROP. SS MANHOLE

PROP. BOLLARD

PROP. GAS METER

PROP. PARKING COUNT
O PROP. FIRE ROUTE SIGN

#### PROP. INLETS (SEE GRADING PLAN FOR TYPE)

VS: VERTICAL SEPARATION REQUIREMENT

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

PROP. TRANSFORMER TO PROP. 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.
- 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.





PROJECT NUMBER: DRAWING DATE:

ISSUE DATE:

Engineering • Planning • Consulting

P.O. Box 14534 Oklahoma City, OK 73113

OK CA 5864

EXP. 06/30/26

405-778-3385 www.cedarcreekinc.com

NE 12TH STREET

SE 4TH STREET

MPS DAYCARE

201 N. EASTERN MOORE OK

11.05.24

11.05.24

LOCATION

LOCATION MAP:



PERMIT SET

REV	ISIONS:	
	.0.00.	

THESE PLANS AND DRAWINGS ARE NOT TO BE OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSEN F CEDAR CREEK CONSULTING INC. THIS SHEET IS NOT TO BE USED FOR CONSTRUCTION UNLESS THE ISSUE DATE IN THE TITLE BLOCK COINCIDES WITH OR POST DATES THE DRAWING DATE. ANY CHANGES MADE FROM THESE PLANS WITHOUT CONSENT OF CEDAR CREEK CONSULTING INC. ARE

CONSULTING OF RESPONSIBILITY FOR ALL

CONSEQUENCES ARRIVING OUT OF SUCH CHANGES.

DRAWING TITLE:

**UTILITY PLAN** 

#### **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

EX. 8" W/L PER CITY ATLAS.

CONTRACTOR TO FIELD LOCATE &

VERIFY PRIOR TO CONSTRUCTION

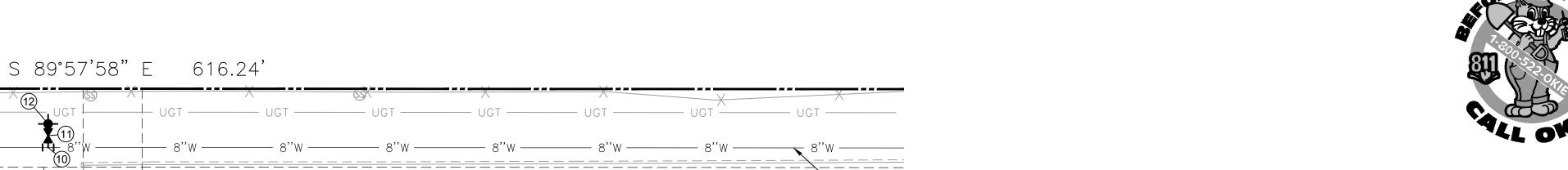
10'X20' UTILITY

EASEMENT

1249

1240

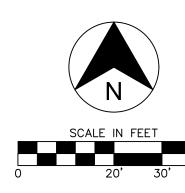
1239



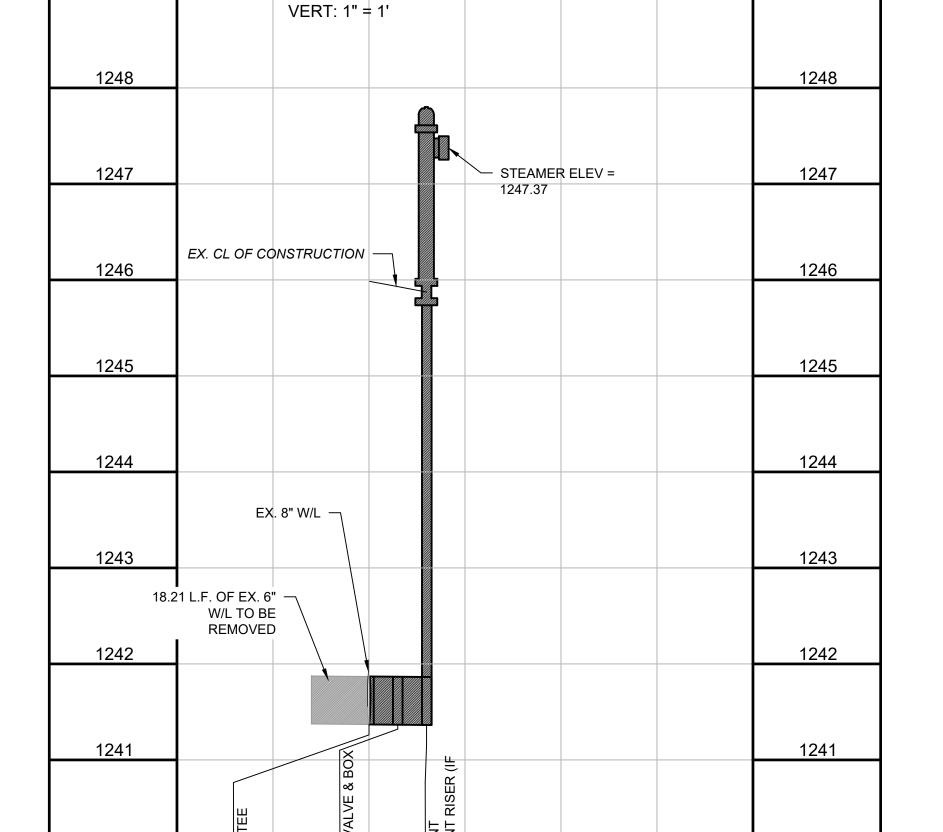
WATERLINE '1' PLAN

1" = 20'





- 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.



10+20

10+30

1249

1240

1239

1238

WATERLINE '1' PROFILE

CONST. (1) 6 L.F. OF 6" W/L (C-900) SCALE:

HORIZ: 1" = 10'

#### WATER NOTES

- EX. 8" W/L PER CITY ATLAS.

CONTRACTOR TO FIELD LOCATE &

VERIFY PRIOR TO CONSTRUCTION

- 1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH CITY OF MOORE STANDARD SPECIFICATIONS FOR PUBLIC
- 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
- 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
- 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.

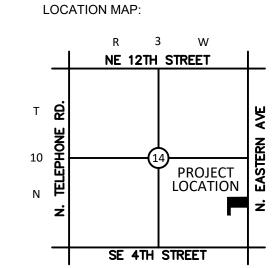


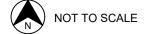
GENERAL NOTES

APPROVED

09/18/2023

**ENGINEERING • PLANNING • CONSULTING** P.O. Box 14534 Oklahoma City, OK 73113 405-778-3385 www.cedarcreekinc.com OK CA 5864 EXP. 06/30/26





PROJECT:

MPS DAYCARE

201 N. EASTERN MOORE OK

PROJECT NUMBER: 11.05.24 DRAWING DATE: ISSUE DATE: 11.05.24



SUBMITTAL: PERMIT SET

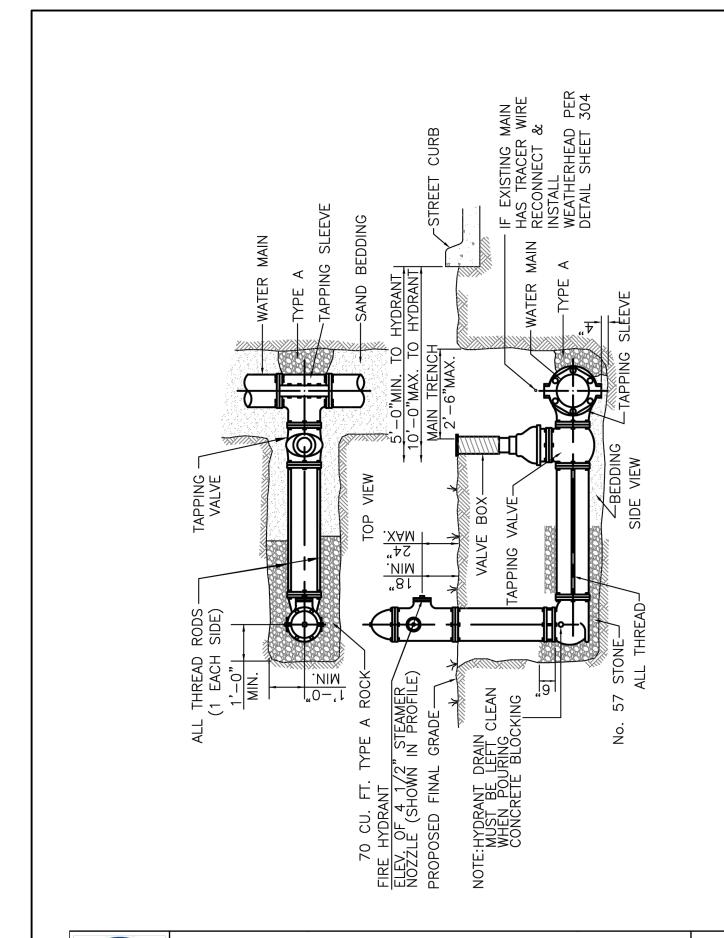
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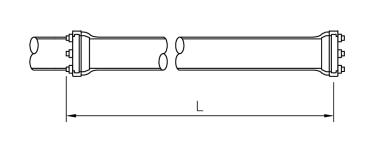
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DRAWING TITLE:

WATERLINE '1' PLAN & **PROFILE** 

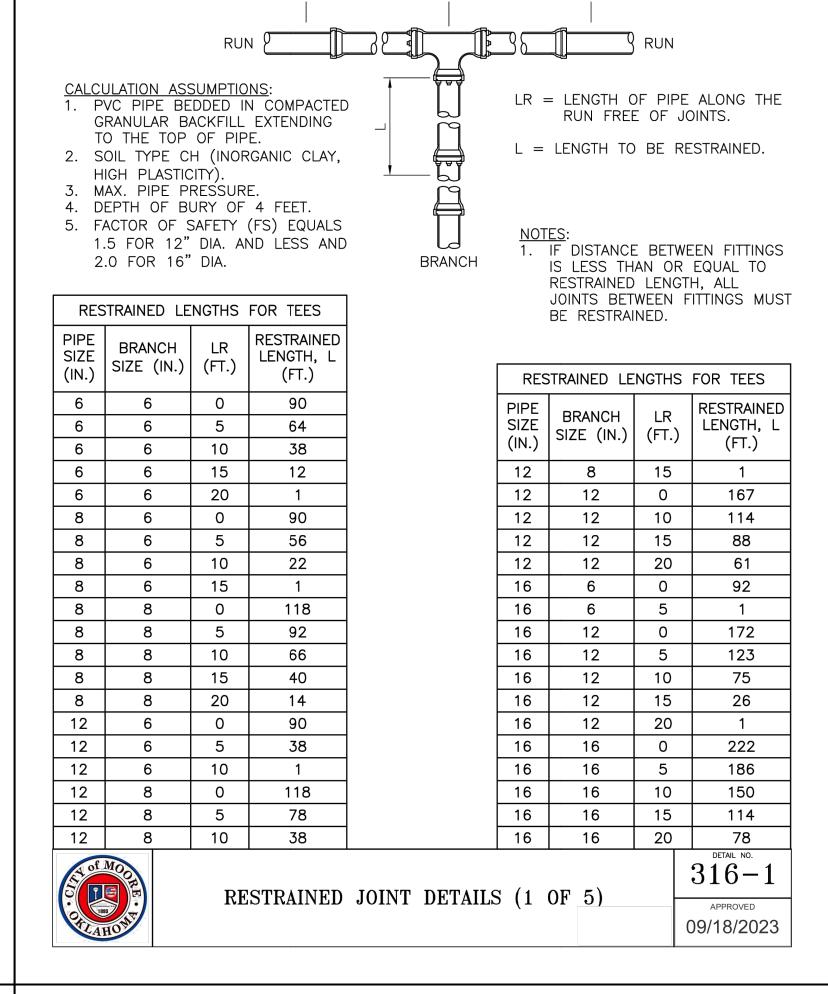
CONSEQUENCES ARRIVING OUT OF SUCH CHANGES.

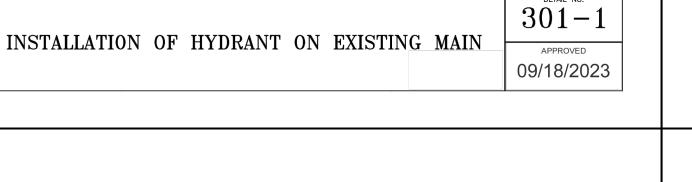


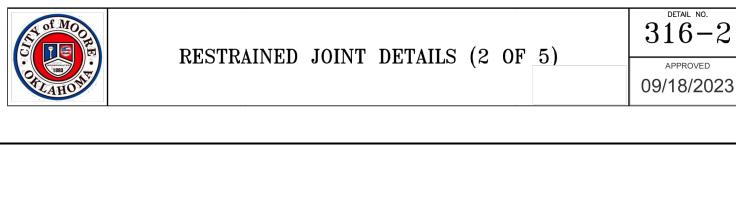


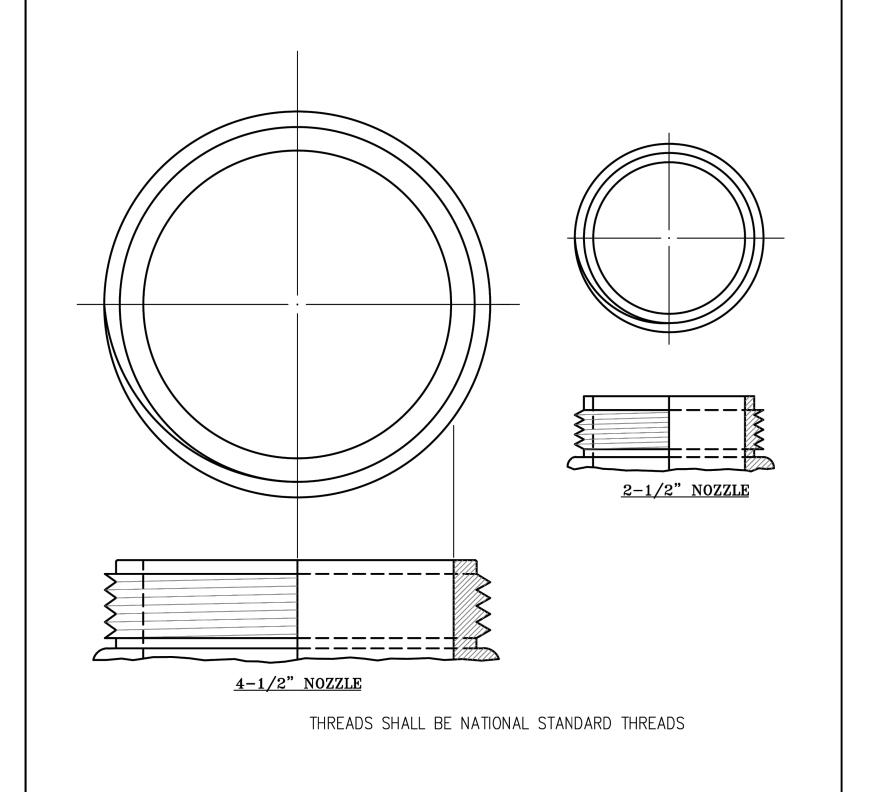
L = LENGTH TO BE RESTRAINED.

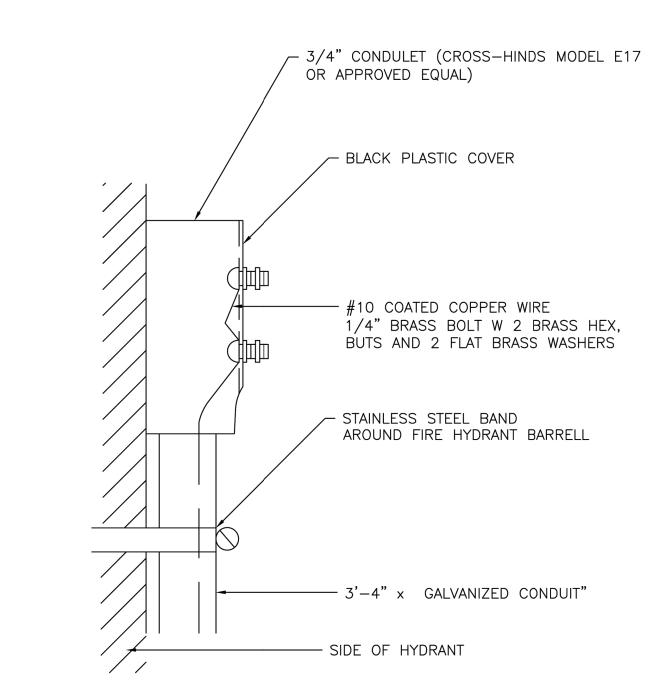
RESTRAINED LENGTHS FOR DEAD ENDS		
PIPE SIZE (INCH)	RESTRAINED LENGTH (FT)	
6	90	
8	118	
12	167	
16	222	



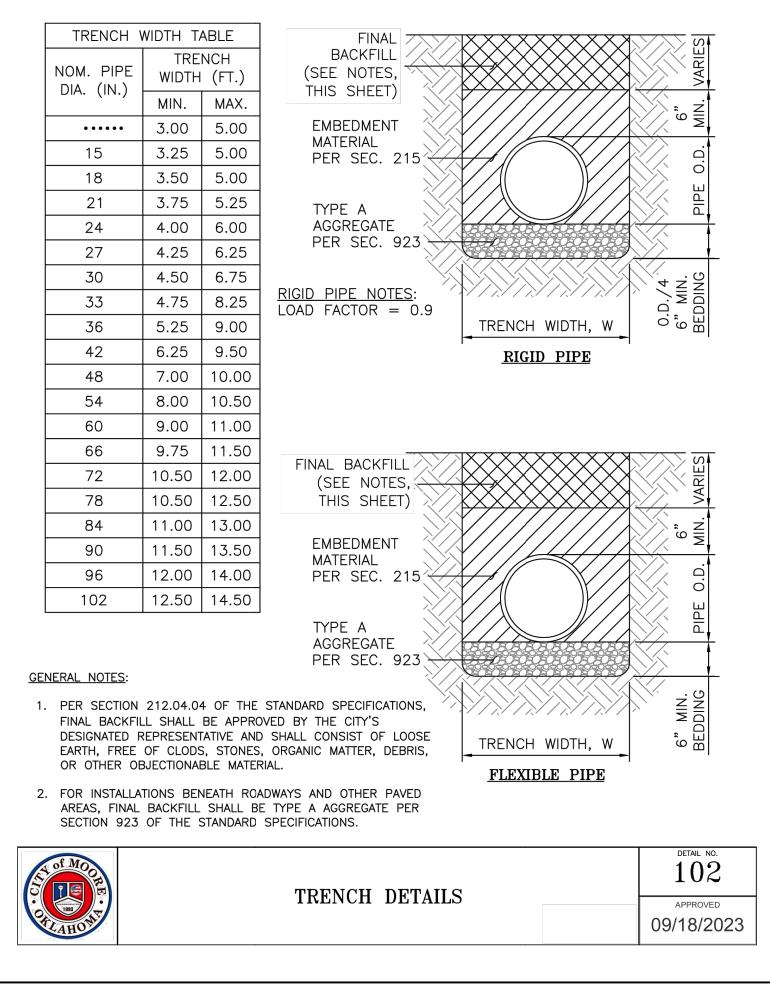


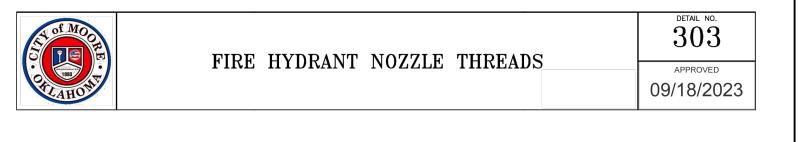




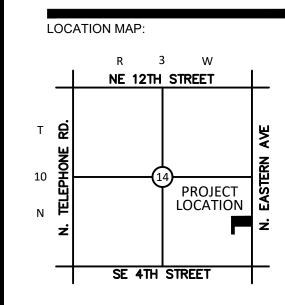


A OF MOOR	TRACER WIRE WEATHER HEAD DETAILS	304
NUMBER BRANCH 1883	TRACER WIRE WEATHER HEAD DETAILS	APPROVED
ALAHOME		09/18/2023









NOT TO SCALE

PROJECT:

MPS DAYCARE

201 N. EASTERN MOORE OK

11.05.24

11.05.24

PROJECT NUMBER: DRAWING DATE: ISSUE DATE:

SE



SUBMITTAL:

PERMIT SET

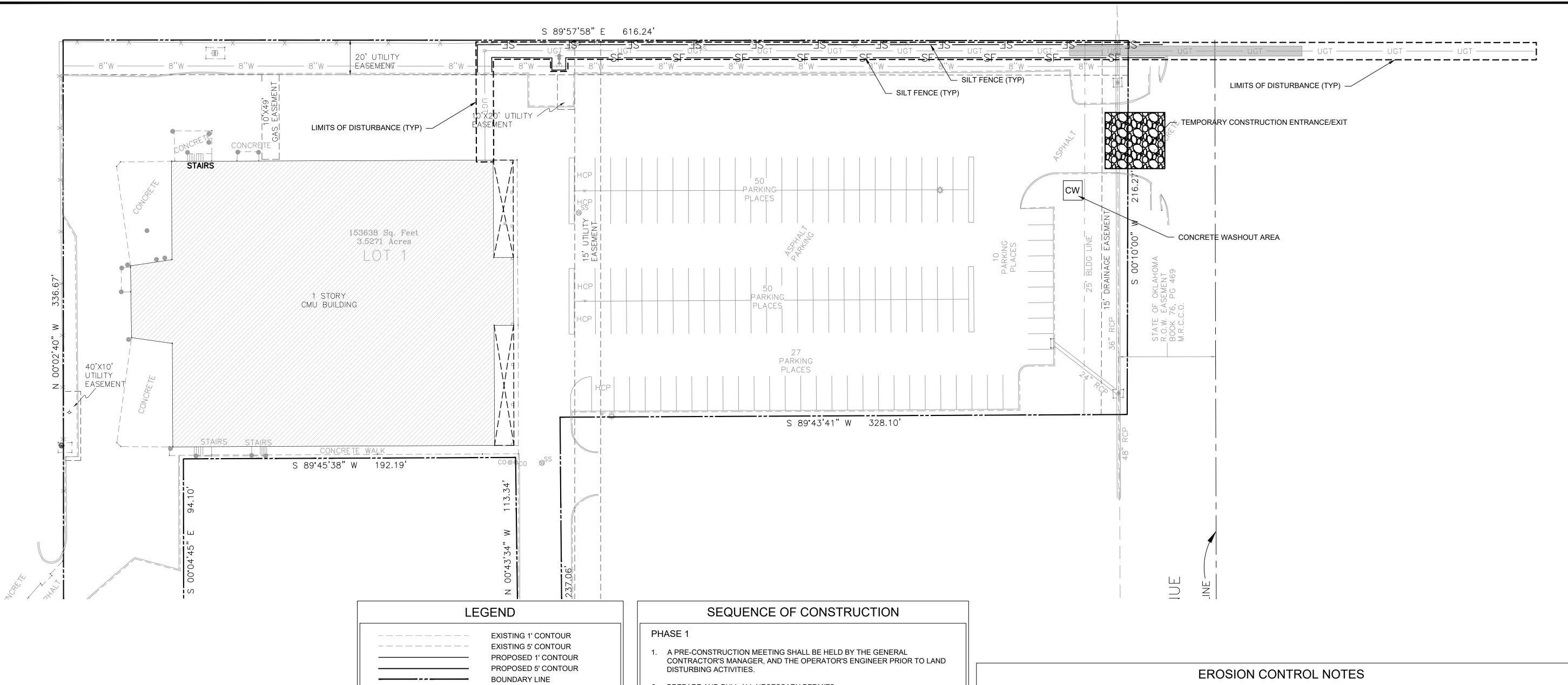

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DRAWING TITLE:

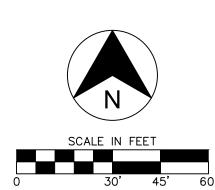
WATERLINE DETAILS

SHEET:

C2.01







#### 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

- 2. PREPARE AND PULL ALL NECESSARY PERMITS.
- 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.
- 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

RIGHT OF WAY LINE

EXISTING CURB AND GUTTER

OVERHEAD ELECTRIC LINE

SANITARY SEWER LINE

PROPOSED CURB AND GUTTER

PROPOSED FIRE LANE STRIPING

UNDERGROUND ELECTRIC LINE

UNDERGROUND TELEPHONE LINE

UNDERGROUND FIBER OPTIC LINE

EASEMENT LINE

**GAS LINE** 

WATERLINE

RETAINING WALL

CHAIN LINK FENCE

PROP. FES

PROP. HC RAMP

PROP. WHEEL STOP

**Ø** PROP. POWER POLE

S PROP. SS MANHOLE

▲ PROP. GAS METER

LIMITS OF DISTURBANCE

INLET PROTECTION

TEMPORARY DIVERSION DIKE

CONCRETE WASHOUT AREA

SCREEN WALL

WIRE FENCE

BENCHMARK

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→ PROP. FIRE HYDRANT

PROP. WATER VALVE

PROP. WATER METER

PROP. ELECT. METER

\_\_\_\_\_ TD-->>\_\_\_\_

STRUCTURES IDENTIFICATION

\*NOTE: REFER TO SURVEYING LEGEND FOR EXISTING

© PROP. PARKING COUNT O PROP. FIRE ROUTE SIGN

PROP. INLETS (SEE GRADING PLAN FOR TYPE)

SILT FENCE

SODDING

PROP. LIGHT POLE

O PROP. BOLLARD

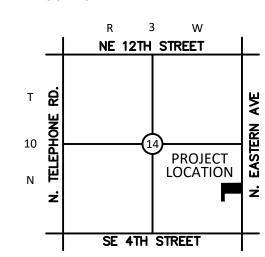
- 1. INSTALL UTILITIES, UNDER DRAINS, STORM SEWERS, CURB AND GUTTERS.
- 2. INSTALL INLET PROTECTION DEVICES.
- 3. INSTALL RIP RAP AROUND OUTLET STRUCTURES.
- 4. FINALIZE PAVEMENT SUBGRADE PREPARATION.
- 5. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
- 6. PAVE LOT.
- 7. REMOVE TEMPORARY CONSTRUCTION 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.

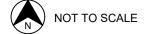
- SEDIMENT BASINS ARE ATTRACTIVE TO CHILDREN AND CAN BE VERY DANGEROUS. IN ALL CASES, LOCAL ORDINANCES AND REGULATIONS REGARDING HEALTH AND SAFETY MUST BE ADHERED TO.
- B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF OKLAHOMA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- C. 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.
- 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.
- CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- 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.
- G. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- 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.
- 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.
- 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.
- K. 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.

- L. 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.
- M. 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.
- N. 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.
- O. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- P. 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.
- Q. 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.
- R. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- S. 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.
- T. 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.
- U. 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.



LOCATION MAP:





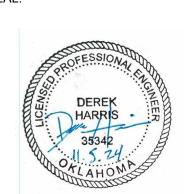
MPS DAYCARE

201 N. EASTERN **MOORE OK** 

11.05.24

11.05.24

PROJECT NUMBER: DRAWING DATE: ISSUE DATE:



SUBMITTAL:

PERMIT SET

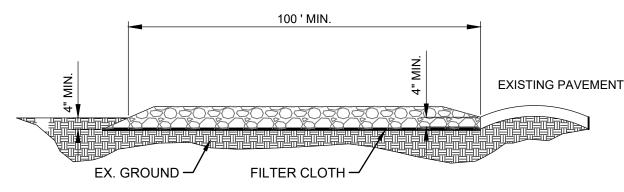
REVI	SIONS:	

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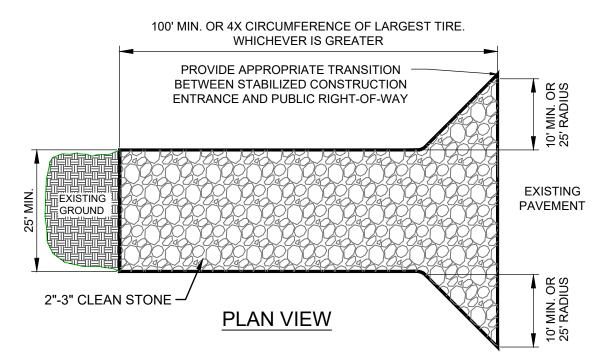
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DRAWING TITLE:

**EROSION** 



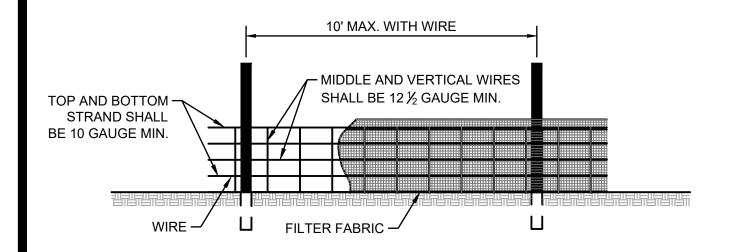
#### SIDE ELEVATION

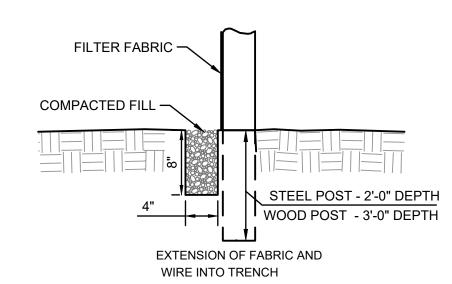


- 1. STONE USE COARSE AGGREGATE (2 3 INCH STONE)
- 2. LENGTH AS EFFECTIVE, BUT NOT LESS THAN 100 FEET.
- 3. THICKNESS NOT LESS THAN EIGHT (8) INCHES.
- 4. WIDTH NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- 5. WASHING WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO 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

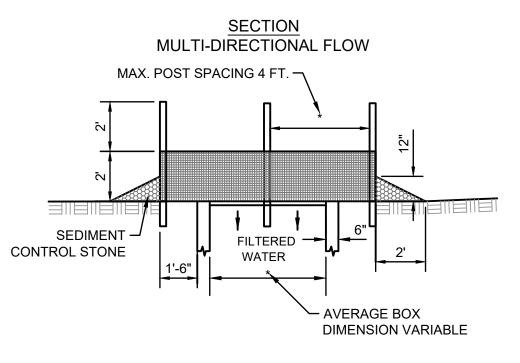
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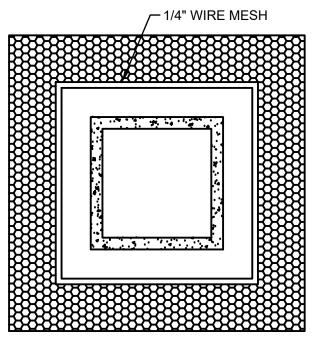




#### NOTES:

- 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.

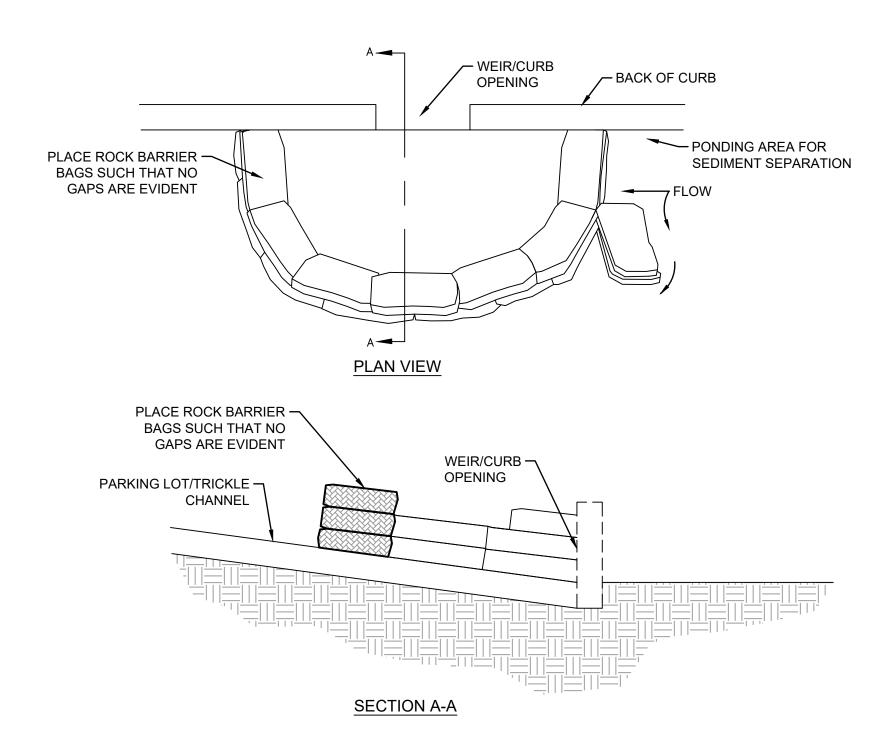




MULTI-DIRECTIONAL FLOW

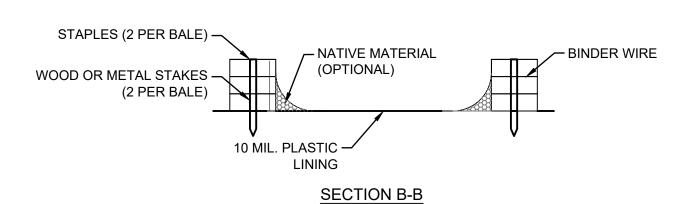
- 1. SEDIMENT CONTROL STONE SHALL BE 3/4" WASHED STONE.
- 2. WIRE MESH SHALL BE HARDWARE CLOTH 23 GAUGE MIN. AND SHALL HAVE 1/4 INCH MESH OPENINGS.
- 3. TOP OF WIRE MESH SHALL BE A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.
- 4. STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 1.5 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.

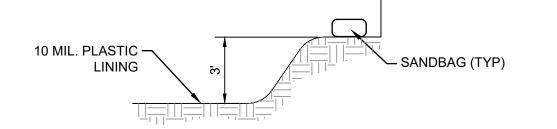
#### INLET PROTECTION DETAIL



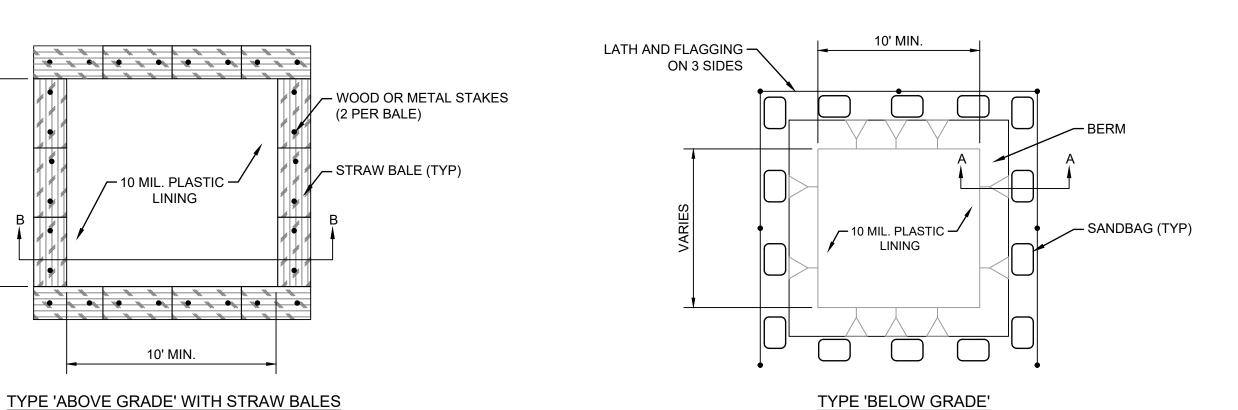
# **CURB INLET PROTECTION DETAIL**

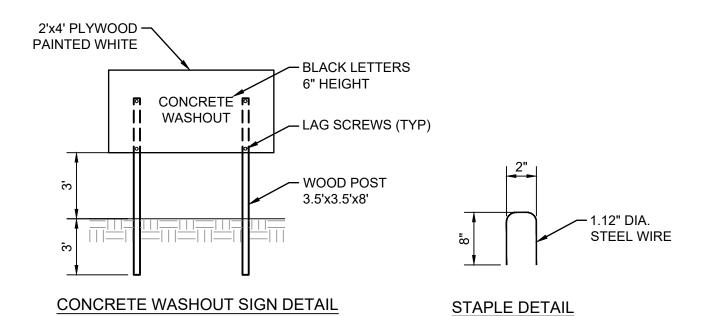
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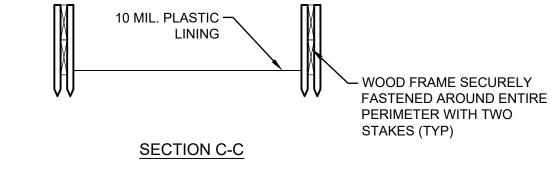


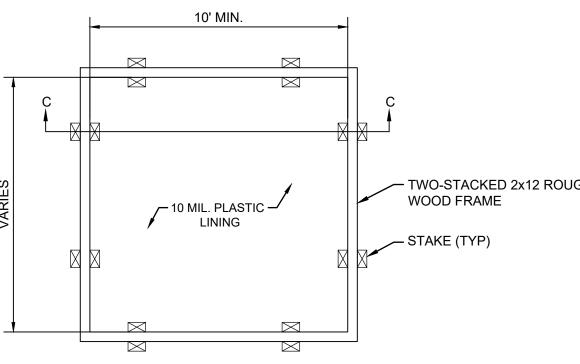


#### **SECTION A-A**









TYPE 'ABOVE GRADE' WITH WOOD PLANKS

- 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 CAUSE BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED AND STABILIZED TO PREVENT EROSION.

CONCRETE WASHOUT DETAIL NOT TO SCALE

PROJECT NUMBER: DRAWING DATE: ISSUE DATE: - TWO-STACKED 2x12 ROUGH

PERMIT SET

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NE 12TH STREET

SE 4TH STREET

MPS DAYCARE

201 N. EASTERN

MOORE OK

11.05.24

11.05.24

LOCATION

LOCATION MAP:

PROJECT:

OK CA 5864 EXP. 06/30/26

REV	'ISIONS:	
MARK	DATE	DESCRIPTION

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DRAWING TITLE:

**EROSION** CONTROL **DETAILS** 

SILT FENCE DETAIL NOT TO SCALE