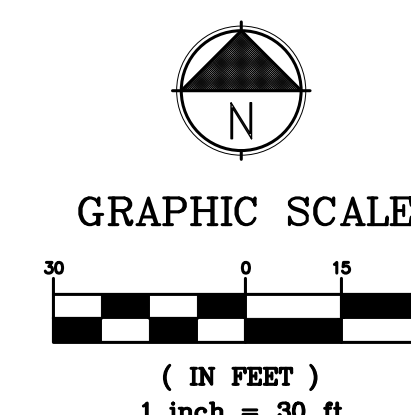
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21. PROVIDE NEW 8" SDR35 PVC STORM DRAINAGE PIPE, SLOPE AND LENGTH PER PLAN.
22. PROVIDE NEW 8" SDR35 PVC STORM DRAINAGE PIPE, SLOPE AND LENGTH PER PLAN.
23. PROVIDE NEW 10" SDR35 PVC STORM DRAINAGE PIPE, SLOPE AND LENGTH PER PLAN.
24. PROVIDE NEW 12" SDR35 PVC STORM DRAINAGE EQUALIZER PIPE. SHALL PROVIDE 0.002% SLOPE BETWEEN DRYWELLS. LENGTH PER PLAN.
25. CONNECT TO BUILDING 6" ROOF DRAIN PIPE. CONTRACTOR SHALL PROVIDE 6"X8" ECCENTRIC REDUCER, MATCHING PIPE CROWN AT CONNECTION. SEE PLUMBING PLANS P3.00, P3.01 AND P3.02 FOR CONTINUATION INSIDE BUILDING.
26. PROVIDE NEW TYPE 2 DRYWELL WITH SOLID LID PER CITY OF SPOKANE STANDARD PLAN 8-102D. SEE DETAIL 9/C5.00.
27. PROVIDE NEW TYPE 1 CATCH BASIN WITH VINED GRATE PER WSDOT STANDARD PLAN 8-5-20. SEE DETAIL 5/C5.00.
28. PROVIDE NEW TYPE 1 CATCH BASIN WITH SOLID LID PER WSDOT STANDARD PLAN 8-5-20. SEE DETAIL 6/C5.00.
29. CONTRACTOR SHALL LOCATE AND CONNECT TO EXISTING 4" DOMESTIC WATER MAIN, COORDINATE WORK WITH CITY OF SPOKANE WATER DEPARTMENT AND JHS FACILITIES.
30. PROVIDE 220's 4" DUCTILE IRON DOMESTIC WATER SERVICE PIPING. SEE PLUMBING PLAN P3.00 FOR CONNECTION TO BUILDING.
31. CONTRACTOR SHALL LOCATED AND CONNECT INTO EXISTING 8" FIRE WATER MAIN. COORDINATE WORK WITH CITY OF SPOKANE WATER DEPARTMENT AND JHS FACILITIES.
32. PROVIDE 70's 8" DUCTILE IRON FIRE SPRINKLER SYSTEM WATER SERVICE. SEE PLUMBING PLANS P3.00 FOR CONNECTION TO BUILDING.
33. PROVIDE 65's NEW 4" DUCTILE IRON PIPE SPRINKLER SERVICE TO BUILDING. SEE PLUMBING PLANS P3.00 FOR CONNECTION TO BUILDING.
34. PROVIDE NEW FIRE DEPARTMENT CONNECTION PER DETAIL 8/C5.00.
35. PROVIDE NEW 20,000 GALLON UNDERGROUND FIBERGLASS FIRE PROTECTION TANK. SEE PLUMBING PLANS P3.00, P6.01, AND P8.01 FOR ADDITIONAL TANK SPECIFICATIONS. ALL TANK LIDS SHALL BE TRAFFIC RATED AND SET TO GRADE.
36. PROVIDE 35's 10" STAINLESS STEEL FIRE WATER CONTAINMENT PIPING FROM BUILDING TO TANK. SEE PLUMBING PLAN P3.01 FOR CONNECTION INSIDE BUILDING AND PLUMBING PLAN P6.01 FOR ADDITIONAL PIPE SPECIFICATIONS.
37. CONNECT TO BUILDING SANITARY SEWER SYSTEM. SEE PLUMBING PLANS P3.01 FOR CONTINUATION INSIDE BUILDING.
38. PROVIDE 6" SDR35 PVC SANITARY SEWER DRAINAGE PIPE, SLOPE AND LENGTH PER PLAN.
39. CONNECT TO BUILDING PROCESS WATER SYSTEM. SEE PLUMBING PLANS P3.01 FOR CONTINUATION INSIDE BUILDING.
40. PROVIDE 8" STAINLESS STEEL PROCESS WATER DRAINAGE PIPE, SLOPE AND LENGTH PER PLAN.
41. PROVIDE NEW CLEANOUT TO GRADE PER DETAIL 7/C5.00.
42. PROVIDE NEW TYPICAL SIDE-SEWER CONNECTION INTO SANITARY SEWER MAIN PER CITY OF SPOKANE STANDARD PLAN Z-116. SEE DETAIL 4/C5.00.
43. PROVIDE TEMPORARY ASPHALT COLD PATCH OR 6" COMPACTED CRUSHED GRAVEL IN ACCESS DRIVE WHERE REMOVED TO INSTALLED NEW SERVICES (WATER, SEWER, ETC.).
44. APPROXIMATE LOCATION OF PROPOSED COOLING TOWER. SEE MECHANICAL PLAN M4.15 FOR DRAIN DAYLIGHT LINE CONNECTION TO CATCH BASIN.
45. PROVIDE CONDUIT/DUCT BANKS AS REQUIRED FOR ELECTRICAL EQUIPMENT (TRANSFORMER, STANDBY OUTDOOR GENERATOR, ETC.). SEE ELECTRICAL PLAN E1.01.
46. PROVIDE NEW 4" RESILIENT SEATED GATE VALVE.
47. PROVIDE NEW 8" RESILIENT SEATED GATE VALVE.
48. NEW GAS METER LOCATION. SEE MECHANICAL PLANS. COORDINATE WITH AVISTA UTILITIES.
49. PROVIDE NEW NATURAL GAS SERVICE TO FROM COOK STREET TO NEW BUILDING ADDITION. CONTRACTOR SHALL COORDINATE ALL WORK WITH AVISTA UTILITIES. CONTRACTOR SHALL PROVIDE 3" DEEP TRENCH WITH 6" OF SAND ON THE BOTTOM FOR THE NEW SERVICE. AVISTA UTILITIES WILL BACKFILL NEW GAS SERVICE PIPE WITH 6" OF SAND (SAND PROVIDED BY CONTRACTOR). CONTRACTOR SHALL BACKFILL EXISTING TRENCH WITH 6" OF SAND.
50. PROVIDE STEEL CASING AT STORM WATER AND DOMESTIC/FIRE WATER LINE CROSSING PER CITY OF SPOKANE STANDARD PLAN A-9. SEE DETAIL 1/C5.01.
51. REMOVE 4" DOUBLE CHECK VALVE ASSEMBLY LOCATED ON 4" DOMESTIC WATER LINE EXISTING WATER VAULT. COORDINATE WITH THE CITY OF SPOKANE.
52. PROVIDE 4" REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) ON 4" DOMESTIC WATER SERVICE, WATTS MODEL 909 LARGE OR APPROVED EQUAL, LOCATED IN INSULATED ENCLOSURE TO HOUSE 4" RPBA, WATER MODEL 909 OR APPROVED EQUAL, WITH HOT BOX 2000W, SINGLE PHASE 208-240V HEATER FOR INSULATED ENCLOSURE. HUBBELL CATALOG ID AC2000W-208/240 OR APPROVED EQUAL. MUST BE FIELD INSULATED TO ENCLOSURE TO OPERATE HEATING UNIT. SEE ELECTRICAL DRAWINGS. RPBA SHALL BE FIELD LOCATED NEAREST THE EXISTING WATER VAULT.
53. PROVIDE CONDUIT AS REQUIRED TO HEATED INSULATED ENCLOSURE. SEE ELECTRICAL PLANS.
54. PROVIDE 8.5' X 3.67' 4" THICK CONCRETE MOUNTING PAD FOR RPBA

ENGINEER'S NOTES:

1. RIM ELEVATIONS OF UTILITY STRUCTURES SHALL BE INSTALLED SO THAT RIM ELEVATIONS MAY BE ADJUSTED 0.50"± TO MATCH FINISHED GRADES.
2. CONTRACTOR SHALL IDENTIFY PROPOSED FUTURE CONCRETE CURB LOCATIONS BEFORE INSTALLING STORM WATER STRUCTURES. CONTRACTOR SHALL NOT LOCATE DRAINAGE STRUCTURE LIDS IN CURB LOCATIONS.
3. CONTRACTOR SHALL CONTACT ENGINEER OF RECORD IF ANY STORM DRAINAGE PIPES ARE RECEIVING LOADING FROM THE BUILDING FOUNDATIONS.
4. FOUNDATION DRAIN AND ALL ASSOCIATED PIPING SHALL BE KEPT EXTERIOR TO PARAPET FROM THE STORM WATER SYSTEM.
5. SEE ELECTRICAL SITE PLAN FOR SITE LIGHTING.
6. ALL NEW UTILITY TRUNKS, RADII, UNIONS, OR CONNECTIONS LOCATIONS SHALL BE RECORDED VERTICALLY AND HORIZONTALLY ON THE AS-BUILT DRAWINGS.
7. ALL SANITARY SEWER PIPES DESIGNED WITH GRADES LESS THAN 2% MUST HAVE INVERT ELEVATIONS VERIFIED BEFORE BACKFILLING.
8. FIRE DEPARTMENT KNOX BOX SHALL BE PROVIDED FOR ACCESS TO THE FIRE SPRINKLER ROOM. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION.
9. VENT PIPING SHALL BE PROVIDED AS REQUIRED FOR THE FIRE CONTAINMENT TANK. SEE PLUMBING PLAN P3.00.

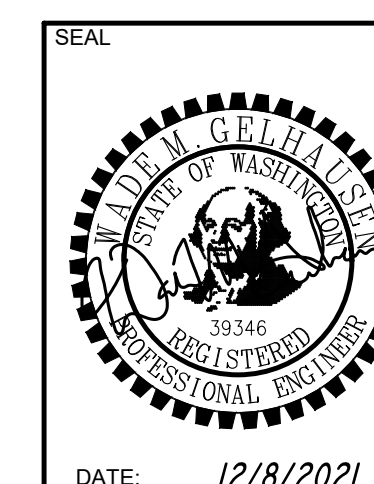


CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED
HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION.
ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN
AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY
OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE
RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY
FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS
CRITICAL TO CONSTRUCTION.

FOR PERMIT

THESE DRAWINGS ARE SUFFICIENTLY COMPLETE FOR SUBMISSION TO THE JURISDICTION HAVING AUTHORITY FOR PERMIT. THE CONTRACTOR SHALL NOT USE THESE DRAWINGS FOR CONSTRUCTION UNTIL THE CONTRACTOR RECEIVES WRITTEN APPROVAL FOR USE IN CONSTRUCTION BY THE JURISDICTION HAVING AUTHORITY AND DCI ENGINEERS.



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CLIENT



3525 N REGAL ST SPOKANE, WA 99207

**JHS LINE 3 EXPANSION
PROJECT**

DRAWING TITLE

STORM WATER AND UTILITY PLAN

ENGINEER	ARCHITECT	DESIGNER	IPS PROJECT #
	SRF	WMG	CAD20343.01
DRAWN BY	REVIEWED BY	SCALE	CADD FILE NAME
DEM	WMG	AS NOTED	

XREF FILE(S)

DRAWING NUMBER

C1.30

