

# CITY OF GLENWOOD SPRINGS WASTEWATER TREATMENT FACILITY STORAGE BUILDING

**NOTES:**

THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF TRASH OR LITER, AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS. THE CONTRACTOR SHALL NOT PARK ANY VEHICLES OR EQUIPMENT IN, OR DISTURB ANY AREA NOT APPROVED BY THE CITY.

ALL EXISTING ACCESSES SHALL REMAIN OPEN TO TRAFFIC THROUGHOUT CONSTRUCTION, WITH THE EXCEPTION OF MINOR CLOSURES OF LESS THAN ONE HOUR. THE CONTRACTOR SHALL REQUEST APPROVAL FROM THE CITY FOR ALL MINOR CLOSURES PER TRAFFIC CONTROL PLAN - GENERAL SPECIAL PROVISIONS.

SANITARY FACILITIES SHALL BE LOCATED ON SITE. SANITARY FACILITY PAY ITEM SHALL INCLUDE CLEANING A MINIMUM OF ONCE A WEEK.

ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE GLENWOOD SPRINGS ENGINEERING DEPARTMENT, OR THEIR ASSIGNED REPRESENTATIVE. THE CITY AND THEIR ASSIGNED REPRESENTATIVES RESERVE THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DO NOT CONFORM TO THE PLANS AND SPECIFICATIONS LISTED HEREIN.

ALL WORK WILL BE PERFORMED PER THE PLANS AND DETAILS WITHIN THIS DESIGN PACKET AND PER THE CITY CODE FOR CONSTRUCTION AND TESTING.

PROJECT TESTING WILL BE PROVIDED BY THE CONTRACTOR AND OVERSEEN BY THE CITY ENGINEER DEPARTMENT. ALL MATERIAL TESTING WILL BE COMPLETED BY THE CONTRACTOR AND REPORTS SENT TO THE CITY ENGINEERING DEPARTMENT REPRESENTATIVE.

EXISTING UTILITIES SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. SEE EXISTING UTILITY DETAIL SHEET FOR AS BUILT CONDITIONS. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS WITH PROPER UNCC NOTIFICATIONS/LOCATING.

IF FIELD CONDITIONS ARE FOUND TO BE DIFFERENT THAN SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT APPROPRIATE ACTION CAN BE TAKEN BY THE OWNER.

EROSION CONTROL MEASURES MUST BE IMPLEMENTED BEFORE CONSTRUCTION AND GRADING OPERATIONS BEGIN. CONTRACTORS VEHICLES AND EQUIPMENT SHALL BE WASHED AND FREE OF SOIL AND DEBRIS CAPABLE OF TRANSPORTING NOXIOUS WEED SEEDS OR ROOTS FROM OTHER AREAS BEFORE BEING BROUGHT ON THE PROJECT SITE.

CLEARING AND GRUBBING SHALL INCLUDE REMOVAL OF ALL TRASH AND DEBRIS WITHIN THE PROJECT LIMITS. ALL SURFACE OBJECTS, TREES, TREE STUMPS, ROOTS, BUSHES, LANDSCAPING AND OTHER PROTRUDING OBSTRUCTIONS WITHIN THE LIMITS OF CUTS AND FILLS SHALL BE CLEARED AND GRUBBED, INCLUDING MOWING AS REQUIRED. ALL OTHER TREES AND BUSHES SHALL BE PROTECTED.

WHERE CUTTING OF ASPHALT PAVEMENT IS REQUIRED, THE CUTTING SHALL BE DONE TO A NEAT WORK LINE WITH A SAW OR CUTTING WHEEL AS APPROVED BY THE ENGINEER AND PER CITY OF GLENWOOD SPRINGS STREET CUT STANDARDS.

ALL EXCESS MATERIAL GENERATED WITHIN THE PROJECT LIMITS SHALL BE PLACED JUST OUTSIDE THE PROPOSED FENCE RELOCATION LINE AS PER THE DIRECTION OF THE ENGINEER.

DUST CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE EARTHWORK ITEM. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. WATER FACILITIES ARE AVAILABLE AT THE WWTF.

RELOCATED FIRE HYDRANT WILL CUT INTO THE EXISTING 10" LINE WITH A 10"x6"x10" TEE, SOLID SLEEVE AND TRUST BLOCK. SEE DETAIL FOR THRUST BLOCKING AND HYDRANT SETTING REQUIREMENTS. A CAP WILL BE PLACED ON THE END OF THE 8" LINE, JUST PAST THE BUILDING FEED WITH A THRUST BLOCK. LINES WILL TESTED AND CLEANED PER CITY CODE.

EXISTING 10" WATERLINE WILL BE EXTENDED 25' PER DRAWINGS, REMOVAL OF EXISTING THRUST BLOCK AND CAP, WITH INSTALLATION OF NEW LINE AND PROPOSED THRUST BLOCK AND CAP.

ANY WATER OR STORM SEWER LINE, FIXTURES OR MANHOLES WILL BE REMOVED FROM THE SITE BY THE EXCAVATION CONTRACTOR AND BROUGHT TO THE CITY LANDFILL. LANDFILL FEE WILL BE COVERED BY THE OWNER, TRUCK AND REMOVAL TO BE PAID WITHIN PROPOSAL FEE.

ALL ELECTRIC LINE PULLS TO BE COMPLETED BY THE ELECTRICAL CONTRACTOR AND PAID FOR WITHIN THE PROPOSAL COSTS.

PROPOSED 4" ELECTRICAL CONDUIT TO BE INSTALLED BY THE EXCAVATOR PER THE DRAWINGS. GRAY ELECTRICAL CONDUIT TO BE UTILIZED FOR ELECTRICAL RUNS.

PROPOSED NATURAL GAS SERVICE LINE TO BE COORDINATED AND INSTALLED BY EXCAVATION CONTRACTOR. BLACK HILLS ENERGY WILL BE NOTIFIED OF THE PROJECT BY THE OWNER, FINAL COORDINATION FOR SERVICE LINE INSTALL WILL BE THROUGH THE CONTRACTOR.

CONTRACTOR TO VERIFY ALL STORM SEWER INVERTS AND OUTLET PRIOR TO ORDERING PIPE AND MANHOLES. ANY DISCREPANCIES IN THE PLAN INFORMATION VERSUS CONTRACTOR VERIFICATIONS WILL BE BROUGHT TO THE OWNERS ATTENTION PRIOR TO ORDERING MATERIALS.

ALL PIPE CONNECTIONS AT MANHOLES WILL BE GROUTED WITH 6000 PSI NON-SHRINK GROUT FOR A PROPER SEAL. STORM PIPE WILL BE DOUBLE GASKET SANITITE HP, SMOOTHER WALL ADS PIPE PER SIZING AND SLOPE INFORMATION ON PLAN SET.

MINIMUM TRENCH WIDTH FOR 15" ADS PIPE IS 34" PER MANUFACTURER. SEE ALL INSTALLATION RECOMMENDATIONS THROUGH ADS PIPE MANUFACTURE WEBSITE.



**VICINITY MAP  
NTS**

**SHEET INDEX:**

<b>COV-1</b>	<b>TITLE SHEET</b>
<b>SHT1</b>	<b>CHATFIELD RANCH PLAT</b>
<b>EX-1</b>	<b>EXISTING SITE CONDITIONS/DEMO PLAN</b>
<b>C-1</b>	<b>SITE PLAN/UTILITY PLAN</b>
<b>C-2</b>	<b>GRADING, DRAINAGE AND EROSION CONTROL</b>
<b>C-3</b>	<b>STORM DRAIN PLAN</b>
<b>PP-1</b>	<b>EXISTING EFFLUENT LINE PROFILE</b>
<b>DET-01</b>	<b>DETAIL SHEET - GENERAL</b>
<b>DET-02</b>	<b>DETAIL SHEET - FENCING</b>
<b>DET-03</b>	<b>DETAIL SHEET - TRENCH AND DRAIN</b>
<b>DET-04</b>	<b>DETAIL SHEET - WATER</b>
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<b>A100</b>	<b>ARCHITECTURAL PLANS</b>
<b>A101</b>	<b>ARCHITECTURAL PLANS</b>
<b>A102</b>	<b>ARCHITECTURAL PLANS</b>
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<b>A104</b>	<b>ARCHITECTURAL PLANS</b>
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<b>A106</b>	<b>LIGHTING PLANS</b>

**NOTES:**

WATER FOR COMPACTION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK. ANY WATER USED FOR CONSTRUCTION PURPOSES MUST BE APPROVED BY THE CITY. CONSTRUCTION WATER MUST BE METERED AND EQUIPPED WITH A CITY-APPROVED CROSS-CONNECTION CONTROL DEVICE. CONTACT THE W/WW DEPARTMENT PRIOR TO USING ANY WATER FOR CONSTRUCTION PURPOSES.

THE THICKNESS OF TOPSOIL SHALL BE 4 INCHES COVERING ALL SURFACES ON FILL SLOPE BANK, WEST AND NORTH SIDE OF PROJECT. TOPSOIL SHALL BE STRIPPED AND STORED SEPARATELY DURING CONSTRUCTION ACTIVITIES IN LOCATIONS APPROVED BY THE ENGINEER. TOPSOIL SHALL BE PLACED ON AREAS TO BE RECLAIMED JUST PRIOR TO SOIL CONDITIONING, RE-SEEDING AND MULCHING TO MINIMIZE COMPACTION FROM CONSTRUCTION EQUIPMENT.

ANY OPEN EXCAVATION LEFT UNATTENDED SHALL BE BARRICADED OR FENCED OFF BY THE CONTRACTOR.

PAVING SHALL NOT BEGIN UNTIL THE ENGINEER HAS APPROVED THE SUB-GRADE. THE PAVEMENT SUB-GRADE SHALL BE PROOF ROLLED WITH A FULLY LOADED WATER TRUCK AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY PAVEMENT.

ALL SURVEY NECESSARY TO COMPLETE THE WORK SHALL BE DONE BY THE OWNER AND PAID FOR BY THE OWNER.

ANY NECESSARY CONSTRUCTION TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE LATEST VERSION OF THE MUTCD.

THE CONTRACTOR SHALL KEEP ALL FACILITIES/ACCESS ROADS AROUND THE CITY'S WWTF OPEN FOR NORMAL OPERATIONS OF THE PLAN, INCLUDING REMOVALS AND DELIVERIES FROM THE PLANT.

THE PLANTS SEWER/BATHROOM FACILITIES WILL NOT BE AVAILABLE TO THE CONTRACTOR OR HIS WORKERS FOR SECURITY REASONS.

THE WWTF AUTOMATED GATE WILL BE CONTROLLED BUY THE MAIN CONTRACTORS SITE SUPERVISOR OR PROJECT MANAGER ONLY. THE WWTF IS A SECURED LOCATION AND ADDITIONAL HOLDERS OF THE GATE CODE WILL NOT BE PERMITTED.

OWNER OR OWNERS REPRESENTATIVES WILL HAVE THE RIGHT TO REQUEST CONTRACTOR ONSITE TO CLEAN THE WORK SITE AREA AT ANY TIME IF IT BECOMES CLUTTERED AND DEBRIS CAUSES WWTF WORKING ISSUES OR IS ALLOWED TO BLOW AROUND THE SITE. CONTRACTOR RESPONSIBLE FOR THE WASTE WILL BE THE CONTRACTOR TO PROPERLY REMOVE OR RESTRAIN THE TRASH OR DEBRIS.

STAGING AND STORAGE AREAS ARE AVAILABLE AT THE SITE.

THE GEO-LOOP THAT CURRENTLY EXISTS UNDER THE ASPHALT PARKING AREA MUST BE EMPTIED OF FLUID, FLUID STORED AND THE SYSTEM AIR PRESSURIZED TO WATCH FOR DAMAGE TO THE SYSTEM DURING CONSTRUCTION. SYSTEM IS ESTIMATED TO HAVE 200 GALLONS OF GLYCOL/WATER MIXTURE TO REMOVE. THE GEO-LOOP SYSTEM WAS DESIGNED AT A DEPTH OF 9', IT APPEARS THAT IT WILL NOT BE AFFECTED BY THE OVER-DIG FOR FOOTER STRUCTURE, BUT CAUTION WILL NEED TO BE TAKE DURING CONSTRUCTION FOR LOOP LOCATION AND SUPPLY AND RETURN LINES. PRESSURE GAUGES WILL NEED TO BE INSTALLED ON THE MONITORING END OF THE LOOPS.

ALL MODIFICATIONS TO CITY INFRASTRUCTURE MUST CONFORM TO CITY STANDARDS.

THE CITY'S WATER DEPARTMENT STAFF MUST BE ONSITE TO OBSERVE, INSPECT AND APPROVE ANY WORK THAT MANY AFFECT WATER MAINS.

**PROJECT TEAM:**

CITY ENGINEER	
TERRI PARTCH	970-384-6413
GLENWOOD SPRINGS ELECTRIC	
DOUG HAZZARD	970-384-6353
PUBLIC WORKS	
ROBIN MILLIYARD	970-384-6409
WATER/WASTE WATER	
TRENT MAHAFFEY	970-384-6384
BRAD ZACHMAN	970-384-6388
BLACK HILLS ENERGY	
MATT RAPER	970-928-0407

**CITY OF GLENWOOD SPRINGS**

**LEGEND**

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**KEY MAP**

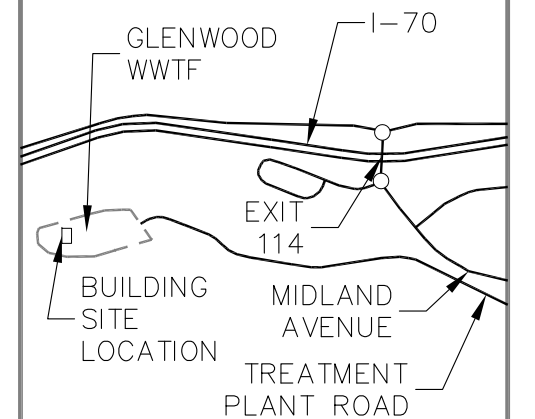
KEY MAP NOT TO SCALE

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<b>DATE</b>	<b>COV-01</b>
3.15.2017	
<b>FILE NAME</b>	
64.110.9540_COV	

**LEGEND**

	EX. MAJOR CONTOUR
	EX. MINOR CONTOUR
	EX. MINOR CONTOUR
	EX. MINOR CONTOUR
	EX. ASPHALT
	EX. CONCRETE
	EX. MINOR CONTOUR
	EX. CURB & GUTTER
	EX. CONCRETE PAN
	EX. FLOWLINE
	EX. STORM SEWER
	EX. STORM SEWER
	MANHOLE
	EX. STORM SEWER INLET
	EX. FENCE
	PR. ASPHALT
	PR. CONCRETE
	PR. BUILDING
	PR. FLOWLINE
	PR. FENCE
	PR. STORM
	RELOC. EX. FLARED END SECTION

**KEY MAP**

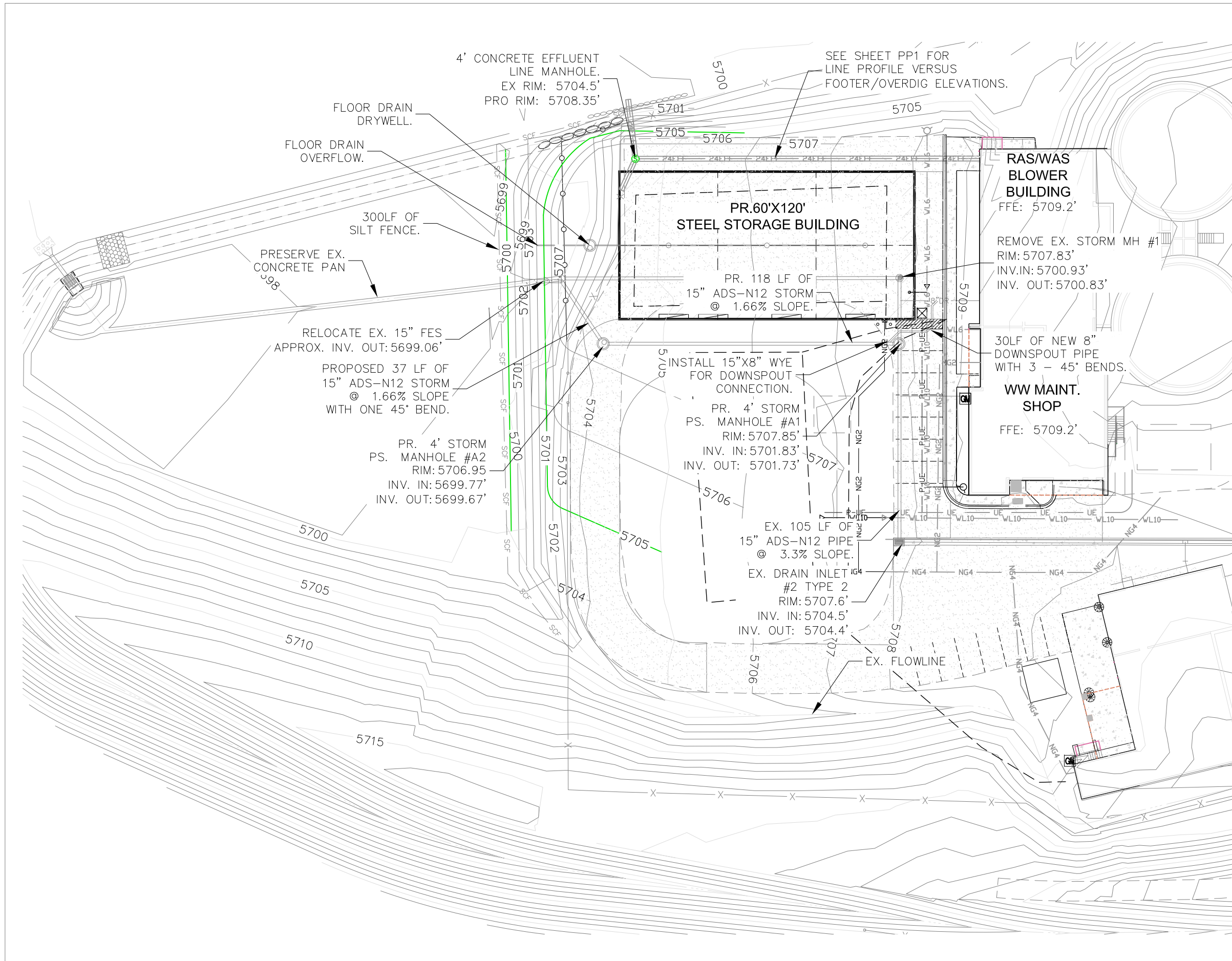


KEY MAP NOT TO SCALE



<b>SCALE</b>	<b>SHEET</b>
1" = 30'	<b>C-3</b>
<b>DATE</b>	
3.15.2017	

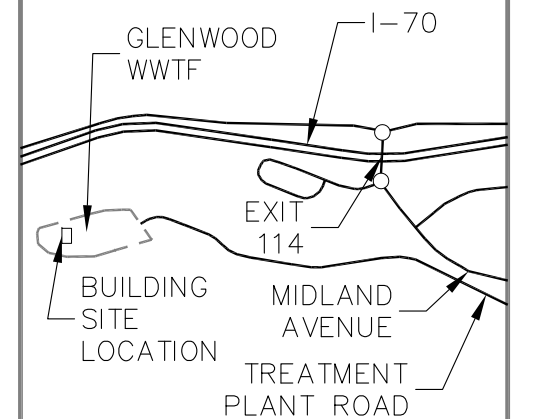
**FILE NAME**  
64.110.9540\_DRN



**LEGEND**

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---	5701	EX. MINOR CONTOUR
---	5700	EX. MINOR CONTOUR
---	5701	EX. MINOR CONTOUR
---		EX. ASPHALT
---		EX. CONCRETE
---		EX. MINOR CONTOUR
---		EX. CURB & GUTTER
---		EX. CONCRETE PAN
---		EX. FLOWLINE
---		EX. STORM SEWER
---		EX. STORM SEWER
---		MANHOLE
---		EX. STORM SEWER INLET
---		EX. FENCE
---		PR. ASPHALT
---		PR. CONCRETE
---		PR. BUILDING
---		PR. FLOWLINE
---		PR. FENCE
---		PR. STORM
---		RELOC. EX. FLARED END SECTION

**KEY MAP**



KEY MAP NOT TO SCALE



**SCALE SHEET**

1" = 20'

**DATE**

3.15.2017

**FILE NAME**

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**PP-1**

