

DEVELOPMENT PLAN FOR:

THE FLATS AT ALPINE JUNCTION

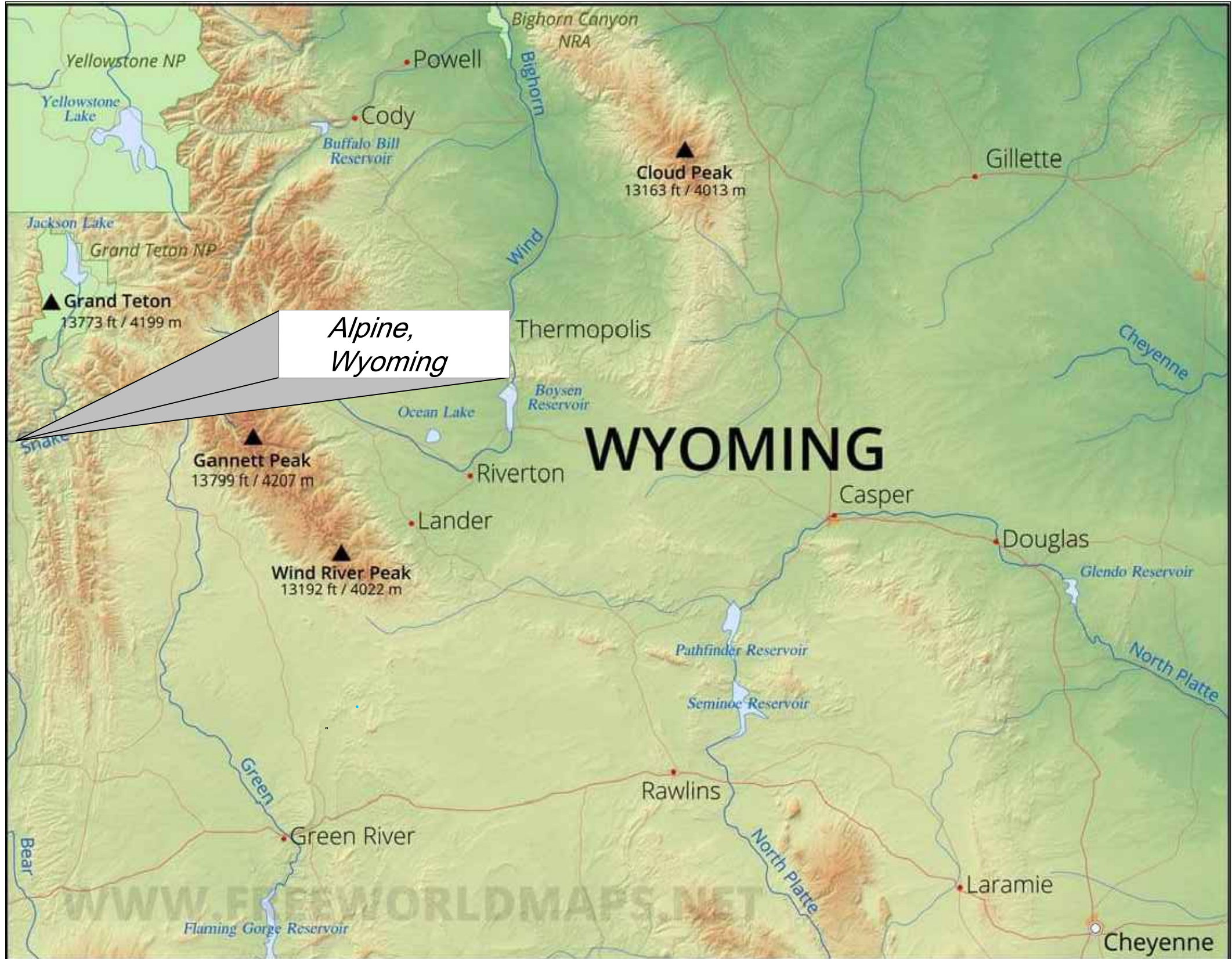
ALPINE, WYOMING
AS-BUILT MARCH 2023

APPROVAL SIGNATURES:



Date: _____
HLE, Inc.

Date: _____
Town of Alpine



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PROJECT LOCATION



CIVIL & STRUCTURAL ENGINEERING
MATERIALS TESTING & LAND SURVEYING
 101 S. Park Avenue, Idaho Falls, ID 83402, (208)524-0212
 800 W. Judicial Street, Blackfoot, ID 83221, (208)785-2977
 460 Lincoln Street, American Falls, ID 83211, (208)226-5764



NOTES FOR: THE FLATS AT ALPINE JUNCTION

GENERAL NOTES

- All materials, workmanship, and construction of site improvements shall meet or exceed the work standards and specifications set forth by the TOWN OF ALPINE Water, Street, and Sanitation Departments and/or requirements of the Wyoming Public Works Standard Specifications, (WPWSS) current edition outside of ROW and WYDOT STANDARD SPECIFICATIONS within the ROW .
- All material furnished on or for the project must meet the minimum requirements of the approving agencies or as set forth herein, whichever is more restrictive.
- The Contractor is cautioned that the location and/or elevation of existing utilities, as shown on these plans, is based on records of the various utility companies and where possible, measurements taken in the field. The Contractor must call the local utility location center at least 48 hours before any excavation to request exact field locations of the utilities.
- A Pre-Construction Conference shall be held a minimum of three (3) working days prior to start of work. All Contractors, Subcontractors and/or Utility Contractors shall be present.
- The Contractor shall maintain all existing drainage facilities within the construction area until the drainage improvements are in place and functioning.
- All Contractors working within the project boundaries are responsible for compliance with all applicable safety laws of any jurisdictional body including but not limited to, barricades, safety devices, control of traffic, excavation, trenching, shoring, and security within and around the construction area.
- Contractors must furnish proof that all materials installed on this project meet the requirements of Note # 2 above at the request of the agency and/or Engineer.
- HLE must give approval prior to (a) backfilling trenches for pipe; (b) placing of aggregate base; (c) placing of concrete; (d) placing of asphalt pavement. Work done without such approval shall not relieve the Contractor from the responsibility of performing the work in an acceptable manner. Contract work will not be accepted by the TOWN OF ALPINE without the approval of the Project Engineer.
- Each Contractor shall be responsible for acquiring any necessary NPDES permits, filing any NOI's or NOT's, and preparing a Storm Water Pollution Prevention Plan (SWPPP) in accordance with the WYOMING DEQ.
- The Contractor shall be responsible for keeping roadways free and clear of all construction debris and dirt tracked in from the site.
- All measures possible shall be taken to ensure erosion control with Best Management Practices.
- Quantities shown are estimates by the Engineer. The Contractor must verify all quantities. If there is a large discrepancy contact the Engineer.
- All work must meet standards set forth by the American Disabilities Act (ADA).
- Trench backfill Type 2A compaction "Water Settling" will not be an acceptable method of trench backfill compaction.
- All water valves, blow-offs and manholes will be placed so as not to conflict with any concrete curb, gutter, valley gutter, and sidewalk improvements.
- HLE and/or Inspector shall make periodic visits to the project location to ensure that the site improvements meet or exceed standards and design as per the approved construction drawings.
- To receive final acceptance, Contractor must submit copy of field plans complete with construction notes and As-Built information, corrections, changes, etc.
- Contractor must have WPWSS Manual (current edition) and WYDOT Standard Specifications on-site during all phases of construction.

WATER NOTES

- The water system shall be constructed to conform with the standards set forth in the "Wyoming Administrative Rules on Water Quality" Chapters 3, 11, and 12 and the current WPWSS standard drawings and specifications.
- The pipe shall be installed in a workmanlike manner by persons properly qualified to perform said work and shall be in conformance with the manufacturer's recommendations as approved by the City Engineer. All work and materials must conform to current requirements of the WPWSS. Water distribution mains shall be constructed with C900 DR18 PVC pipe.
- All water services shall have a minimum cover of 6 feet and follow the standards and specifications per WPWSS Section 02665. The trenches shall be compacted to 95% of maximum density to prevent further settlement. All mains shall be leak-tested, disinfected, flushed and bacteria tested before connecting to the municipal system.
- Where it is necessary for sewer, storm drain or irrigation and water to cross each other and the sewer line is less than 18" below the water main, the crossing shall conform to WPWSS Section 02655 Part 3.01.F.
- All tees, plugs, caps and bends, and at other locations where unbalanced forces exist, shall be secured and anchored by concrete thrust blocks as shown on WPWSS Standard Drawing 02665-03.
- Harper-Leavitt Engineering, Inc. will provide one (1) set of construction stakes for each of the following items: water main lines, fire hydrants, and service connections.
- Contractor to field verify all valve box lid elevations to assure that said lid elevations match final street grade.
- The paving contractor shall be responsible for constructing concrete collars and final adjustments of water valves to grade.
- Pipes laid on a curve: the maximum joint deflection shall be 5 percent or the manufacturer's recommendation, whichever is less.
- The developer will test the compaction of the water pipeline bedding in accordance with the TOWN OF ALPINE construction inspection policy. Testing will be done by an outside testing laboratory. The cost of this service shall be paid by the developer. However, if the test fails, the cost of the test and any retesting shall be paid by the water contractor. The contractor shall coordinate with the developer's engineer and testing laboratory to schedule the tests, his backfilling, and pipe laying operation.
- The developer's engineer or designated representative shall be present during all testing of the water line.
- The horizontal separation of the water and sanitary sewer, or storm drain shall be a minimum of ten (10) feet.
- The water line construction shall conform to the depth of public health and welfare regulations of public drinking Standard 6-foot of cover of water lines water systems and disinfection specifications.
- Fire hydrants or temporary blow-offs shall be installed on dead-end water lines and all hydrants shall be tested for pressure and flow rate with results reported to EOR with as-built plans.
- Water lines shall not exceed 8' in depth from finished grade unless specified in plans by engineer.
- At all times, when laying pipe is not in progress, open ends of the pipe shall be closed by a watertight plug or other approved means. At the close of the day's work, or whenever workmen are absent from the job, the end of the last laid section shall be plugged, capped, or tightly closed to prevent entry of foreign material.
- All water main fittings on 4" to 8" pipe to be PVC and conform to AWWA C-907 or an approved equal.

STORMWATER NOTES

- The stormwater system shall be constructed to conform with the standards set forth in the current WPWSS standard drawings and specifications.
- The pipe shall be installed in a workmanlike manner by persons properly qualified to perform said work and shall be in conformance with the manufacturer's recommendations as approved by the City Engineer. All work and materials must conform to current requirements of the WPWSS. Stormwater distribution pipe shall be 12" N12 HDPE or equivalent.
- Stormwater facilities shall be installed and maintained by developer or his assigns.

SEWER NOTES

- Prior to construction, it shall be the responsibility of the contractor to inform all the utility companies of the construction schedule.
- All existing utility locations and depths are approximate and shall be verified by the contractor.
- All elevations are based on the NAVD 88 datum.
- Manhole rim elevations as shown on the Construction Drawings are approximate. The manhole frames and covers shall be constructed in accordance with WPWSS Standard Drawings. Rim elevations shall be determined by the engineer in the field during construction.
- Contractor shall repave any existing paved streets disturbed during construction. Crossings of county roads shall be cased and backfilled per WPWSS Section 02225 with Type A backfill. Cement Treated fill required below pavement per county specification.
- Retain and protect all irrigation and drainage crossings. The contractor shall coordinate with the owner for the inspection of the exposed irrigation and/or drainage pipe crossings. If existing pipes are damaged, the affected pipe will be replaced by the contractor.
- The developer's engineer or owner's representative shall be present during all testing of the sewer construction.
- Retain and protect existing curb, gutter and sidewalk if encountered. If removal is necessary, replacement shall be incidental to project.
- The following type and class of pipe will be permitted: gravity pipe shall conform to ASTM D-3034, PVC, SDR 35 or greater, or other pipe approved in WPWSS Section 02700.
- All work shall be constructed to the Wyoming Public Works Standard Specifications. All work shall be approved by the TOWN OF ALPINE.
- Sanitary sewer manhole cones shall be set a maximum of one (1) foot below specified ring elevations by sewer contractor. All remaining manhole materials, other than concrete collars necessary to construct manhole to finished grade, shall be furnished by the sewer contractor for placement at finished grade by street paving contractor. All materials for concrete around manhole rings shall be supplied and constructed to finished grade by street contractor. The owner's engineer shall be contacted 24 hours prior to placing concrete collars.
- The trench backfill above the pipe zone will be inspected by the owner's engineer or representative in accordance with the latest edition of the Wyoming Public Works Standard Specifications and the TOWN OF ALPINE Ordinances and Resolutions.
- Where PVC is utilized, a rubber ring or approved equivalent is to be installed where the pipe is in contact with manhole base and/or manhole channel in order to insure a watertight seal.
- Where it is necessary for sewer and water to cross each other and the sewer line is above or less than 18 inches below the water main, the sewer line crossing shall conform to WPWSS Section 02655 Part 3.01.F.
- Where the sewer main depth will allow, all sewer service lines shall be constructed to a depth of 9.5' at property line. The contractor shall use PVC pipe or approved equivalent for all service lines. All sewer service lines shall be constructed at a minimum grade of 1% but 2% if possible.
- Where sewer service stubs are installed lines shall be PVC and constructed as shown on plan.
- The horizontal separation of the water and sewer mains shall be a minimum of ten (10) feet.
- Contractor shall notify the TOWN OF ALPINE Engineer and the developer's engineer or owner's representative 48 hours in advance of construction.
- Water levels shall be maintained below the trench bottom during the pipe laying and joining operation. The dewatering method shall be discussed with the engineer and approved prior to construction. Ditches and storm drain facilities that are silted up due to the contractor's dewatering shall be cleaned and restored to their original state.
- Contractor shall locate and protect all underground utilities during construction.
- The developer will test the compaction of the sewer pipeline bedding in accordance with the WPWSS, and will be done by an outside testing laboratory. The cost of this service shall be paid by the developer. However, if the test fails, the cost of the test and any retesting shall be paid by the sewer contractor. The contractor shall coordinate with the developer's engineer or owner's representative and the testing laboratory to schedule the tests, his backfilling, and pipe laying operation.
- After all utilities are constructed and just prior to paving, the contractor shall perform an air test on the sewer system. The developer's engineer or owner's representative shall be present to witness the test. The contractor shall contact the engineer 24 hours prior to testing.
- The contractor shall leave the excavation for the upstream end of all service lines open for field verification of the invert elevation by the engineer's inspector or owner's representative. The contractor shall not backfill the ends of service lines until he has obtained approval from the engineer's inspector or owner's representative or made other arrangements for verification of service line invert elevations.
- Service and main piping shall be in accordance with ASTM 3034 and shall be SDR 35 or greater plastic pipe or approved equal.
- At all times, when laying pipe is not in progress, open ends of the pipe shall be closed by a watertight plug or other approved means. At the close of the day's work, or whenever workmen are absent from the job, the end of the last laid section shall be plugged, capped, or tightly closed to prevent entry of foreign material.
- All visible leaks shall be repaired - even if the leakage is below allowable limits.
- The developer's engineer or owner's representative shall be present during all testing of the sewer line.

STREET STRIPING AND SIGNING NOTES

- All road striping and traffic signing shall be designed, constructed, and placed according to the current Manual of Uniform Traffic Control Devices (MUTCD)

STREET CONSTRUCTION NOTES

- All roadways and parking areas shown herein are to be constructed and maintained by the developer or his assigns.
- Work done within the drive an parking areas will need to be coordinated with and tested and inspected by the corresponding authority.
- All construction within county right-of-way shall conform to the standards and specifications used by the governing authority as stated above. These include but are not limited to the WPWSS. No exceptions to Policy Standards will be allowed unless specifically and previously approved in writing by the corresponding authority.
- No construction shall begin before the Pre-Construction meeting, which the Contractor is required to attend.
- Sanitary sewer and storm drain manholes, cones and structures shall be set to specified elevation by their respective contractors. All remaining manhole materials, except concrete collars, necessary to construct manhole to finished grade in pavement areas shall be furnished by the Contractor for placement at finished grade. For manholes not within pavement areas, the manhole rings shall be set to finished grade by their respective contractor. Contractor shall contact the TOWN OF ALPINE twenty-four (24) hours prior to pouring concrete collars.
- Contractor shall construct four inches (4") of asphalt pavement thickness at joint locations for all pavement matches.
- All reinforced concrete pipe shall conform to ASTM C-76 Specifications for the class of pipe indicated, and shall be installed watertight.
- All work will be inspected by HLE, owner's representative, or other qualified testing and inspection agency and monitored by the TOWN OF ALPINE in accordance with the respective standard drawings and specifications.
- Borrow shall be obtained from sources designated or approved in writing by the Engineer.
- Clearing and grubbing shall consist of removing all natural and artificial objectionable materials. Under no circumstances shall roadways be placed on frozen or objectionable material.
- The subgrade shall be excavated and bladed to remove all uneven areas and to secure a uniform surface true to grade and line. The subgrade material shall then be scarified to a depth of eight inches (8"), adjusted to within approximately 2% of optimum moisture content and compacted to the minimum density required as stated in ISPW.C.
- All concrete used shall be Class 4 and have a strength of four thousand (4000) PSI in twenty-eight (28) days. The mix design for this concrete shall be approved by the Engineer. All concrete shall be cured by a liquid membrane-forming curing compound method, unless otherwise specified in writing by the Engineer.
- All road stripping and excess topsoil shall be stockpiled out of the right-of-way and stored at Contractor's expense.
- A traffic control plan based on the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) shall be approved by the TOWN OF ALPINE Public Works Department prior to construction.
- Parked equipment and stored materials shall be kept as far away from the travelway as feasible. Items left overnight within 30 feet of the travel way shall be marked and/or protected.

SITE PLAN NOTES

- This site plan conforms to an actual survey that was performed on the ground by a licensed land surveyor or in and for the State of Idaho. It is the owner's responsibility to construct all structures shown on this site plan in accordance with said survey.
- All on-site improvements shall be constructed in accordance with current TOWN OF ALPINE ordinances and resolutions and WPWSS.
- Approximate locations of some known existing underground utilities are shown hereon. It shall be the contractors responsibility to determine exact locations of all existing utilities prior to beginning work. The contractor agrees to be fully responsible for any and all damages to existing utilities.
- See landscaping plan for location of irrigation sleeves. Contractor to verify and coordinate irrigation sleeve locations and sizes with irrigation designer prior to installation of curb, gutter , paving and sidewalks.
- All buildings are to be built according to the IBC current edition with commercial water and sewer services. See architectural plans for all building details.
- Dumpster area is to be enclosed. If gated owner will be required to open doors for sanitation dept. Minimum 8' x 8' interior.
- Within five (5) working days after the completion of work, the contractor shall submit a set of as-built plans to HLE, Inc.

FIRE SPRINKLER NOTES

- The fire sprinkler underground water supply is to be installed by, or under the supervision of, a licensed fire sprinkler contractor. Installation cannot begin until the State Fire Marshal approves and stamps plans, or gives written permission to advance on the project, and this information has been received by the Fire Chief of the Alpine Fire Department. The private fire service main must meet the requirements of NFPA 24 and pass all inspection points. All joints and connections must be inspected prior to covering.

CONTACTS

DEVELOPER/OWNER

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DEPARTMENT OF ENVIRONMENTAL QUALITY

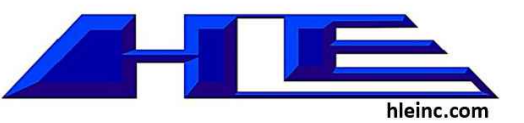
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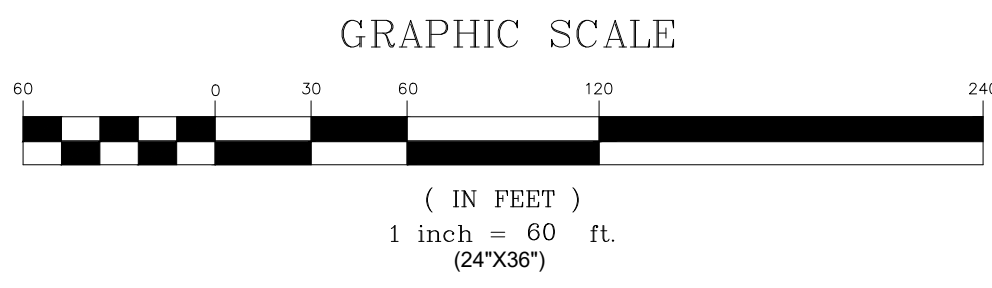
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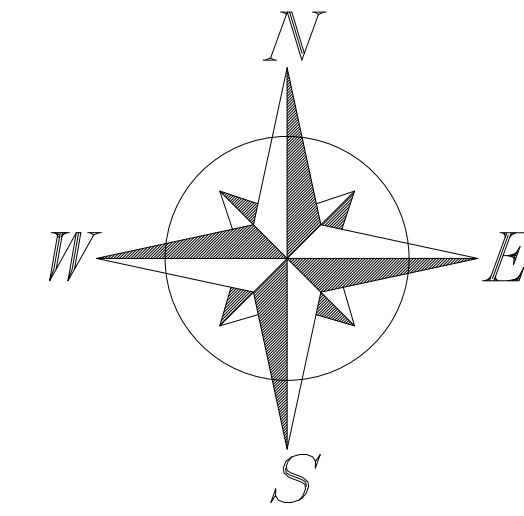
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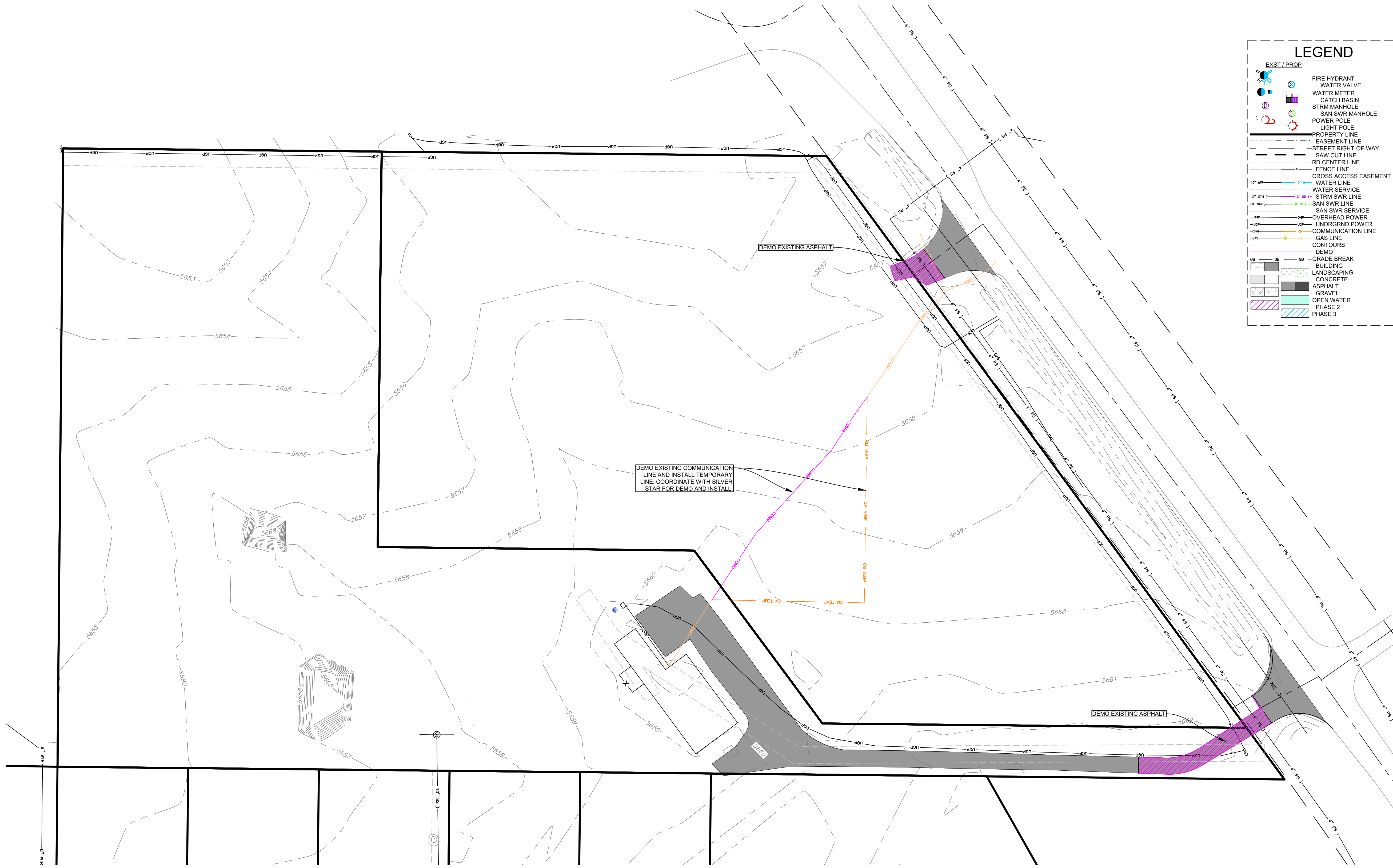


EXISTING CONDITIONS & DEMO FOR: THE FLATS AT ALPINE JUNCTION



LEGEND

EXST / PROP	DESCRIPTION
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	10" WATER LINE
	12" WATER SERVICE
	12" STRM SWR LINE
	12" SAN SWR LINE
	12" SAN SWR SERVICE
	OP OVERHEAD POWER
	UG UNDERGRND POWER
	UG COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GB GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



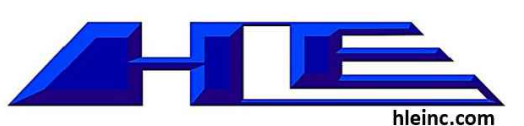
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RESIN ARCHITECTURE

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Professional Engineer
WYOMING

RUNNING ASBUILT
MARCH 2, 2023
ORIGINAL APPROVAL
JUNE 13, 2022



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Alpine Flats
West Side of U.S. HWY 26 Alpine WY 83128

EXISTING AND DEMO

Issue	ID	DATE	DESCRIPTION

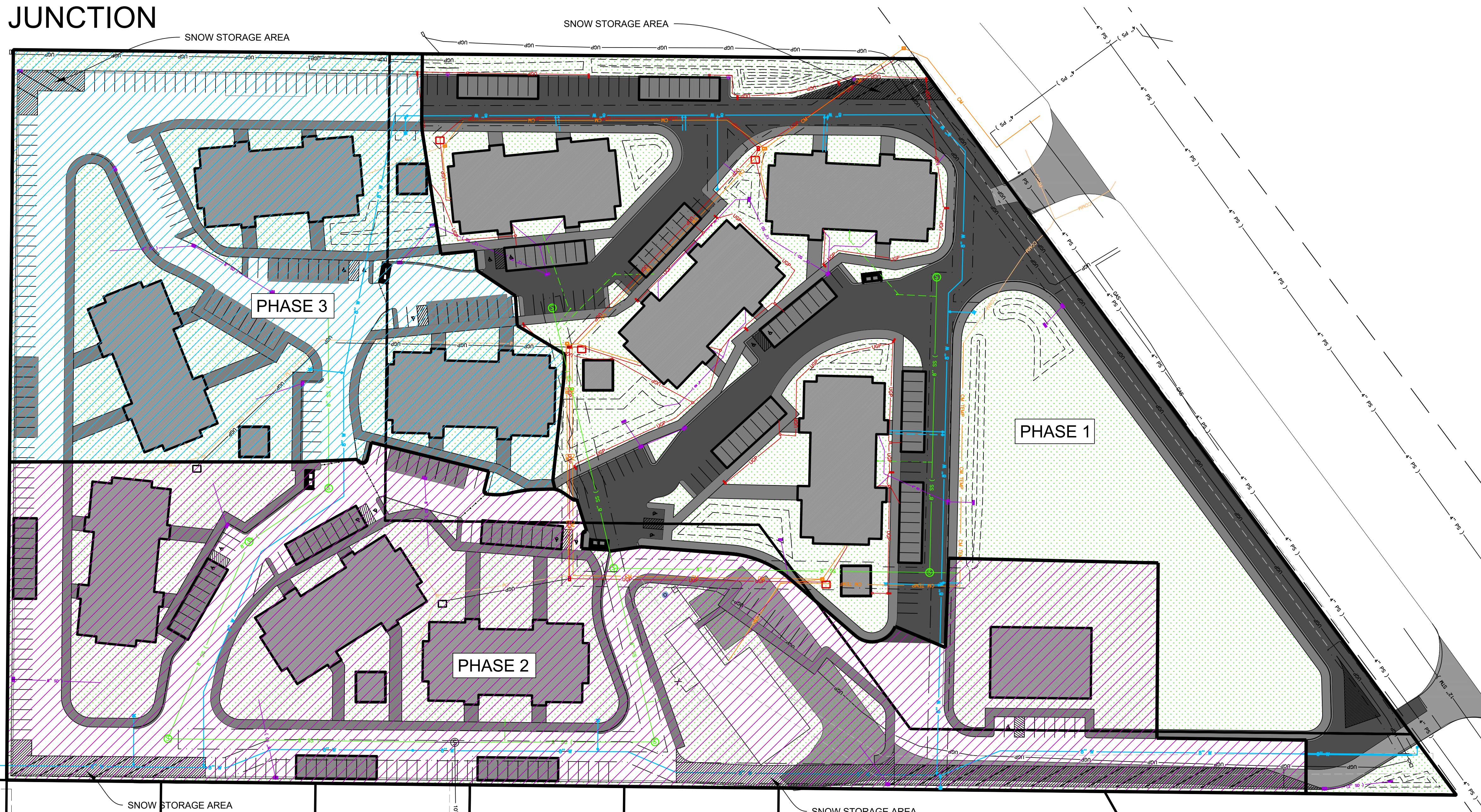
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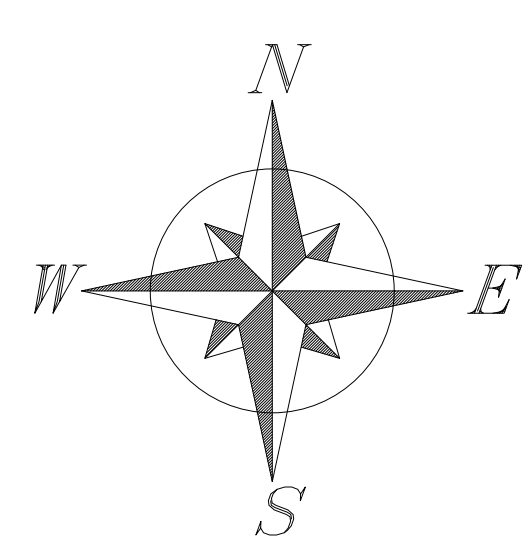
MASTER PLAN FOR: THE FLATS AT ALPINE JUNCTION



LEGEND

EXST / PROP

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- CATCH BASIN
- STRM MANHOLE
- SAN SWR MANHOLE
- POWER POLE
- LIGHT POLE
- PROPERTY LINE
- EASEMENT LINE
- STREET RIGHT-OF-WAY
- SAW CUT LINE
- RD CENTER LINE
- FENCE LINE
- CROSS ACCESS EASEMENT
- 10" WTR
- 12" WTR
- 18" WTR
- 24" WTR
- 36" WTR
- 48" WTR
- 60" WTR
- 12" SWR
- 18" SWR
- 24" SWR
- 36" SWR
- 48" SWR
- 60" SWR
- OVERHEAD POWER
- UNDERGRND POWER
- COMMUNICATION LINE
- GAS
- CONTOURS
- DEMO
- GRADE BREAK
- BUILDING
- LANDSCAPING
- CONCRETE
- ASPHALT
- GRAVEL
- OPEN WATER
- PHASE 2
- PHASE 3



SITE INFORMATION

CURRENT ZONING = MU
 PROPOSED USE = MRC, MIXED RESIDENTIAL AND COMMERCIAL
 PROPERTY DESCRIPTION AND SIZE = EAST TRACT BOOK 826-082 (9.7 AC), WEST TRACT BOOK 826-086 (9.7 AC) (422,532 SF EACH 845,064 SF TOTAL)
 PROPOSED BUILDINGS
 PHASE 1 = 4
 PHASE 2 = 4
 PHASE 3 = 3
 SITES CONTAIN 20' P.U.E ALONG NORTH EDGE

STORMWATER NOTES

EXISTING STORM POND VOLUME = 0 CY
 PROPOSED PHASE 1 STORM POND VOLUME
 ABOVE GROUND = 36,444 CY
 BELOW GROUND = 3,464 CY
 CALCULATED STORM VOLUME FROM PHASE 1 WATERSHEDS = 2,550 CY (834,844 SF X 1.3/12)
 ALL STORM PIPE TO BE ADS N-12 OR EQUIVALENT
 CATCH BASINS IN HIGH BACK CURB
 BUBBLE UP CATCH BASIN IN PONDS

BUILDING INFORMATION

RESIDENTIAL LOW-RISE 16-PLEX (23,486 SF PER BUILDING)
 TWO STORY BUILDING WITH FOUR 2 BED 2 BATH UNITS AND FOUR 1 BED 1 BATH UNITS PER STORY. TOTAL OF 8 2 BED 2 BATH UNITS AND 8 1 BED 1 BATH UNITS PER BUILDING.
 SERVICE CONNECTIONS:
 2" COMMERCIAL POTABLE WATER
 6" COMMERCIAL SANITARY SEWER
 4" FIRE SPRINKLER WATER
 HEIGHT TO ROOF RIDGE ~ 38'-4"

PARKING NOTES

PARKING SPACES REQUIRED = 240 (7 ADA) 1.5 STALLS PER UNIT, 201-300 STALLS = 7 ADA(2 VAN)
 TOTAL PARKING SPACES PROVIDED = 354 (17 ADA VAN ACCESSIBLE)
 COVERED PARKING SPACES PROVIDED = 160

LANDSCAPE NOTES

OPEN SPACE REQUIRED = 32% OVERALL (6.208 ACRES OF 19.40 ACRES)
 OPEN SPACE PROVIDED = 49% OVERALL (9.635 ACRES OF 19.40 ACRES)
 ASSUMES LANDSCAPING THE STORMWATER POND AREAS

SEWER NOTES

ALL BUILDINGS ARE TO DRAIN TO EXISTING GRAVITY SYSTEM ON OATGRASS STREET IN ALPINE MEADOWS SUBDIVISION. THIS WILL FLOW THROUGH THE EXISTING MEADOWS LIFT STATION. SEE EXISTING AND PROPOSED CONDITIONS FOR LIFT STATION BELOW.
 EXISTING LIFT STATION DETAILS
 PUMPS: 2 x PENTAIR HYDRAMATIC S4N (1750 RPM, 7.5 HP, 7.75" TRIM)
 PUMP 1 RUN TIME: 96.1 MINUTES
 PUMP 1 OFF TIME: 1,383.9 MINUTES
 PUMP 2 RUN TIME: 58.5 MINUTES
 PUMP 2 OFF TIME: 1,381.5 MINUTES
 TOTAL RUN TIME: 114.6 MINUTES
 TOTAL FLOW: 31,601 GALLONS
 PROPOSED FLOW: 33.3 GPM (AVG), 40 GPM (PEAK)
 ASSUMPTIONS: 50 GPD/PERSON (AVG), 120 GPD/BEDROOM (PEAK), FLOW RATE CALCULATED AS GPD, DIVIDED INTO 12 HOUR FLOW DURATION
 FULL BUILD
 160 UNITS WITH 240 BEDROOMS, 2 PERSONS MAX PER BEDROOM
 ADDITIONAL RUN TIME: 85.7 MINUTES
 NEW TOTAL RUN TIME: 200.3 MINUTES
 NEW TOTAL OFF TIME: 1239.7 MINUTES
 NEW AVERAGE TOTAL FLOW: 55,601 GALLONS

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RUNNING ASBUILT
 MARCH 2, 2023
 ORIGINAL APPROVAL
 JUNE 13, 2022

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 H/E, INC.
 101 S PARK AVE #210
 IDAHO FALLS, ID 83402
 PHONE: (208) 524-0212

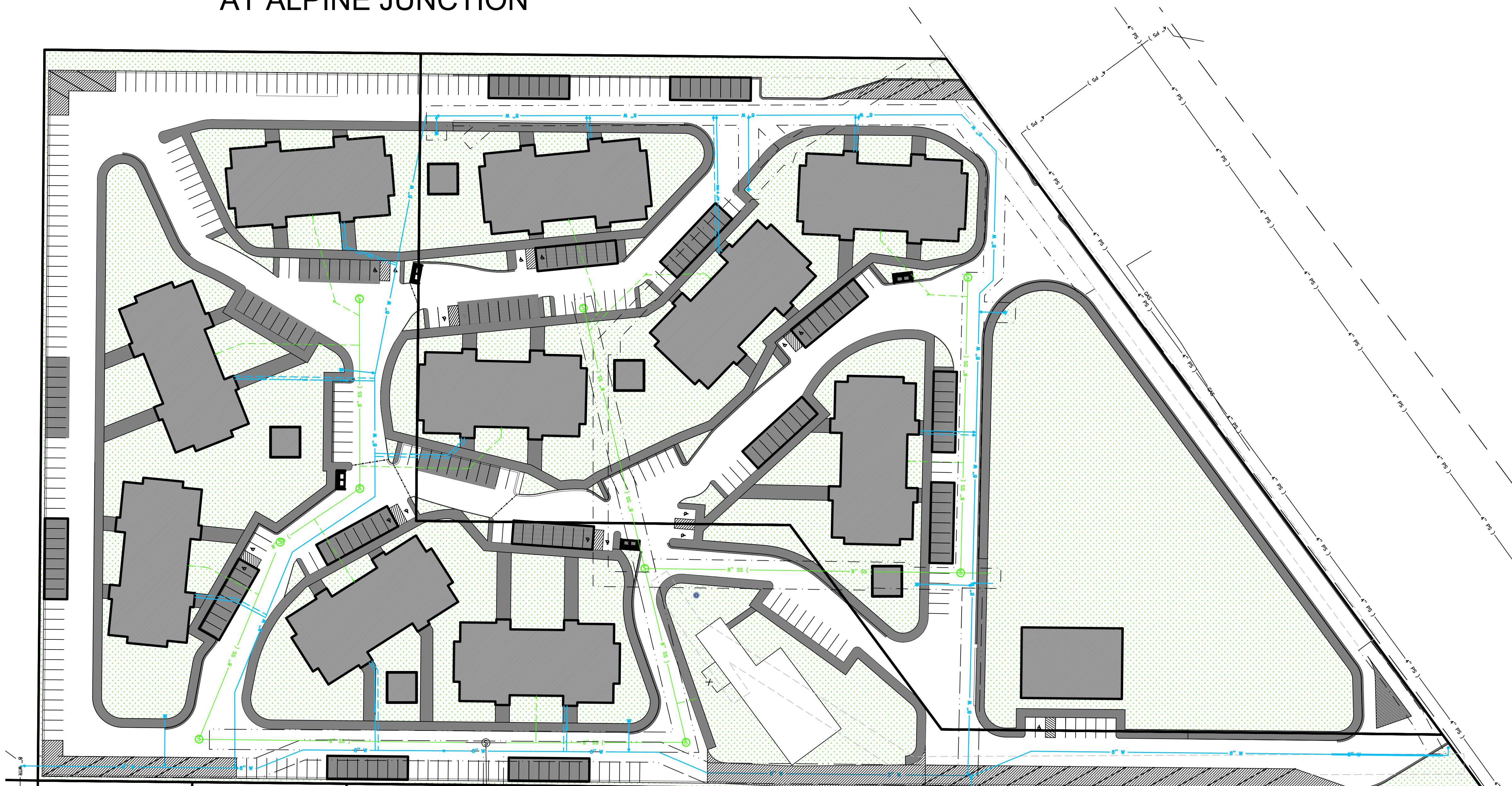
Alpine Flats
 West Side of U.S. HWY 26 Alpine WY 83128

MASTER PLAN

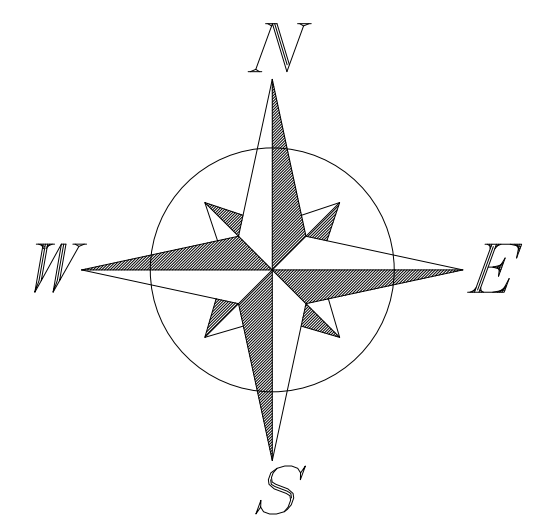
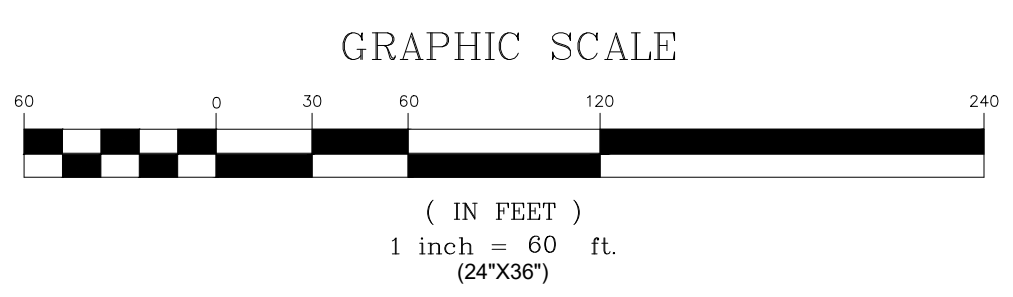
Issue	ID	DATE	DESCRIPTION

20-535

WATER AND SEWER MASTER PLAN FOR: THE FLATS AT ALPINE JUNCTION



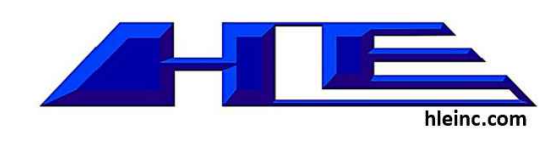
LEGEND	
EXST / PROP	
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STORM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	12" WTR
	WATER SERVICE
	12" STW
	STORM SWR LINE
	4" SWR
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



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Professional Engineer
 RUNNING ASBUILT
 MARCH 2, 2023
 ORIGINAL APPROVAL
 JUNE 13, 2022
 WYOMING



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 HLE, INC.
 101 S PARK AVE #210
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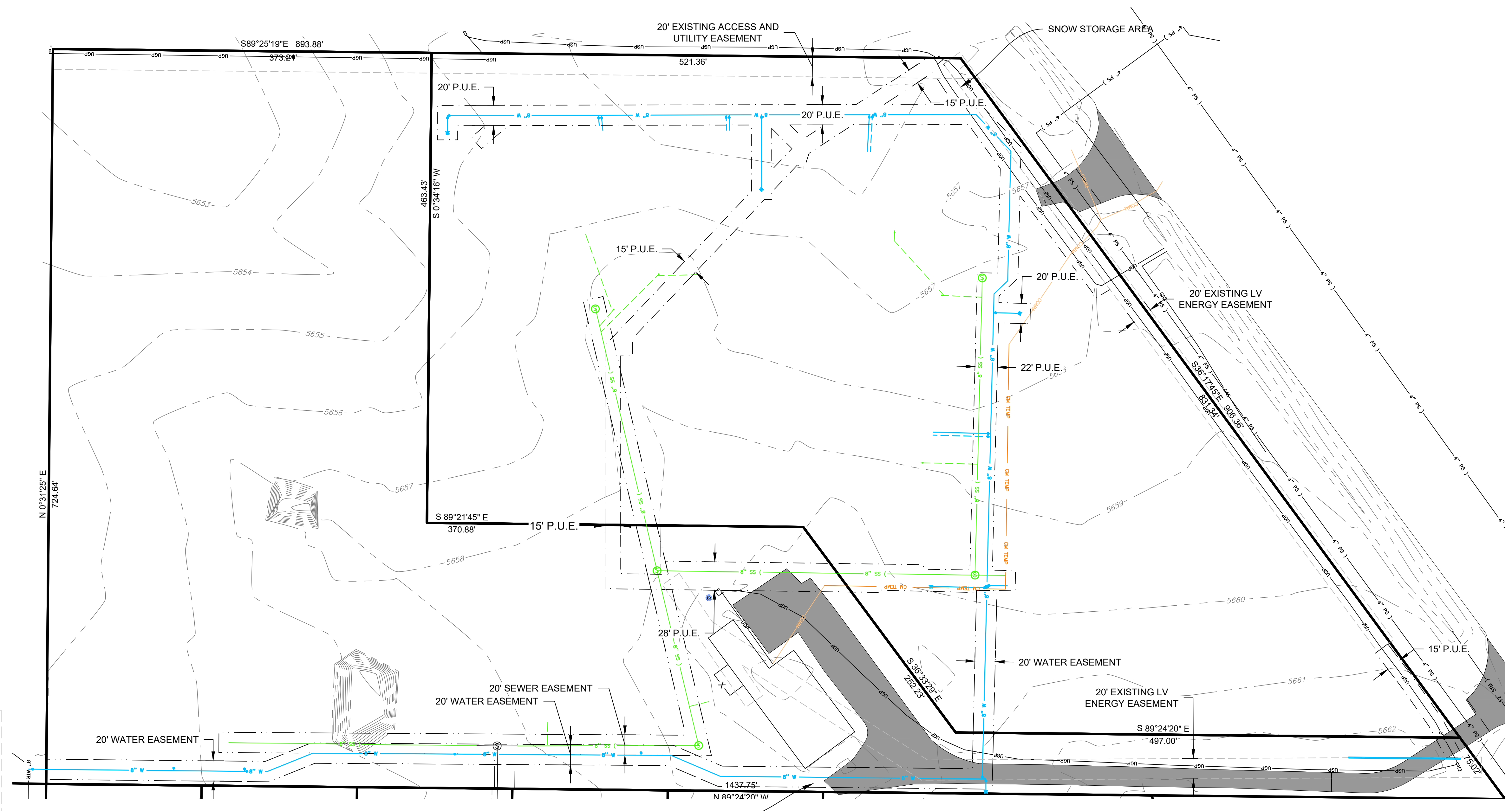
Alpine Flats West Side of U.S. HWY 26 Alpine WY 83128	
WATER & SEWER MASTER PLAN	
Issue	ID / DATE / DESCRIPTION

20-535

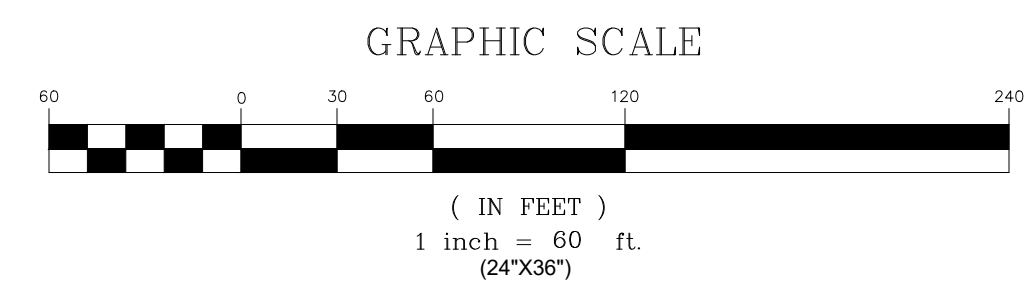
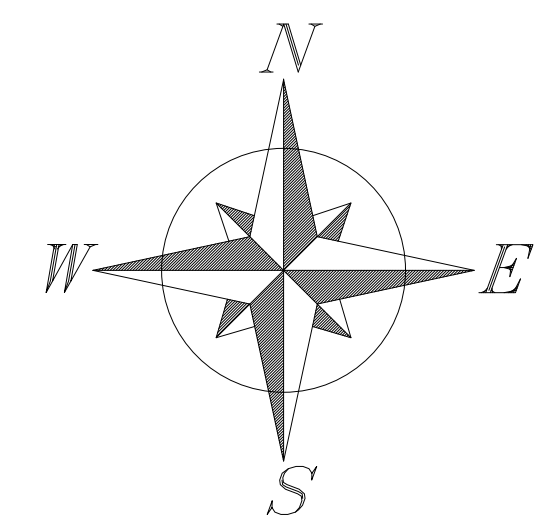
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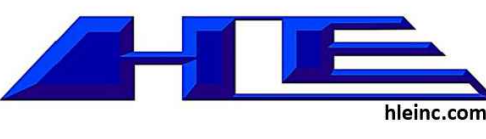
GENERAL LAYOUT FOR: THE FLATS AT ALPINE JUNCTION



LEGEND	
	EXST / PROP
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	12" SWR
	18" SWR
	24" SWR
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



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PHONE: (208) 524-0212

Alpine Flats West Side of U.S. Hwy 26 Alpine WY 83128		
GENERAL LAYOUT		
Issue ID	DATE	DESCRIPTION

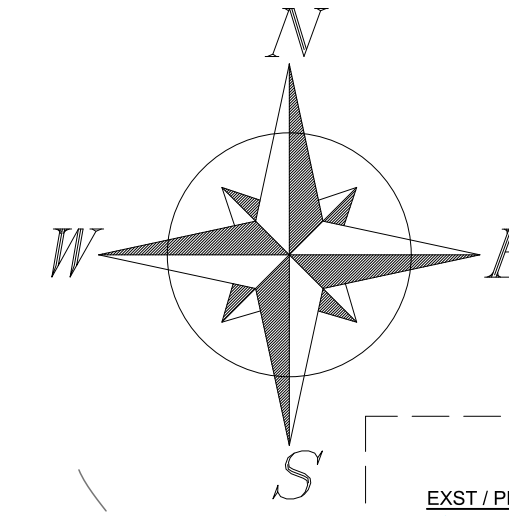
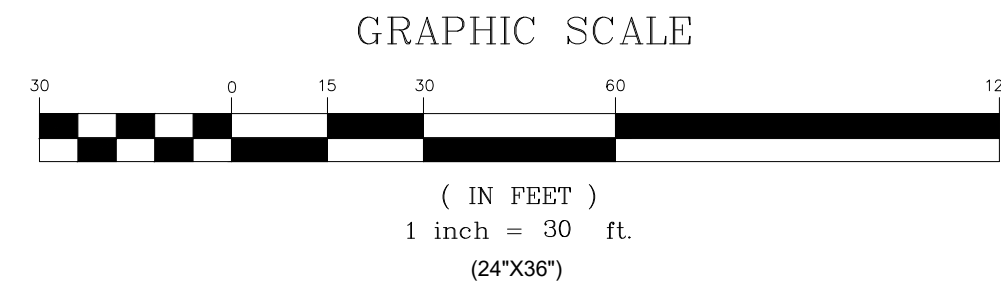
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UTILITY PLAN 1 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND	
EXST / PROP	DESCRIPTION
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STORM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STORM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDRGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3

UTILITY NOTES:

- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"X8" TEE. FIELD VERIFY LOCATION.
- (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
- (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPSS STD. DWG. NO. 02645-01.
- (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
- (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
- (100-6) INSTALL 8" GATE VALVE PER WPSS 02665-D.
- (100-7) INSTALL 8" X 8" TEE
- (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
- (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
- (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
- (100-11) INSTALL 6" GATE VALVE PER WPSS 02665-D.
- (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
- (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
- (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPSS 02700.
- (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
- (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUANCE.
- (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPSS STD. DWG. NO. 02700-05.

TRENCHING AND UTILITY GENERAL NOTES:

- RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.
- TRENCH AND BACKFILL PER WPSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPSS 02225.
- RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

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Professional Engineer
LAKE JOHNSON
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MARCH 2, 2023
ORIGINAL APPROVAL
JUNE 13, 2022
WYOMING



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PHONE: (208) 524-0212

Alpine Flats	
West Side of U.S. Hwy 26 Alpine WY 83128	
UTILITY PLAN 1	
Issue	ID DATE DESCRIPTION

20-535

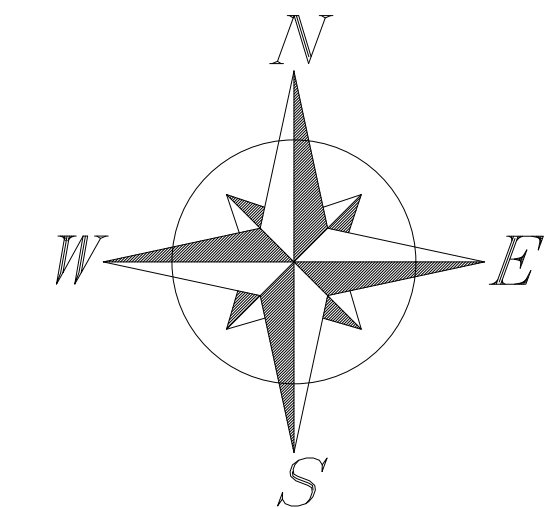
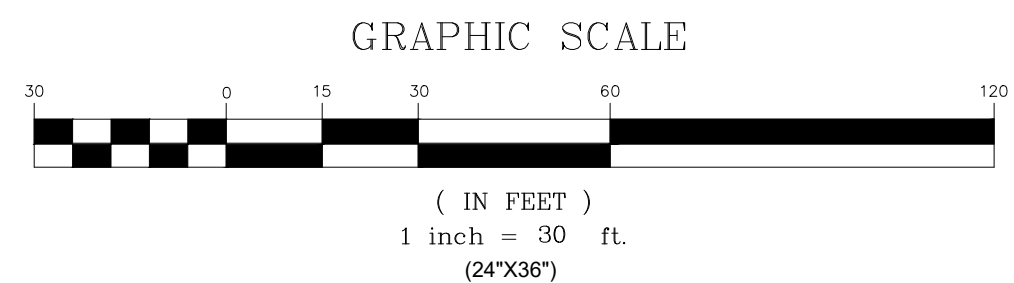
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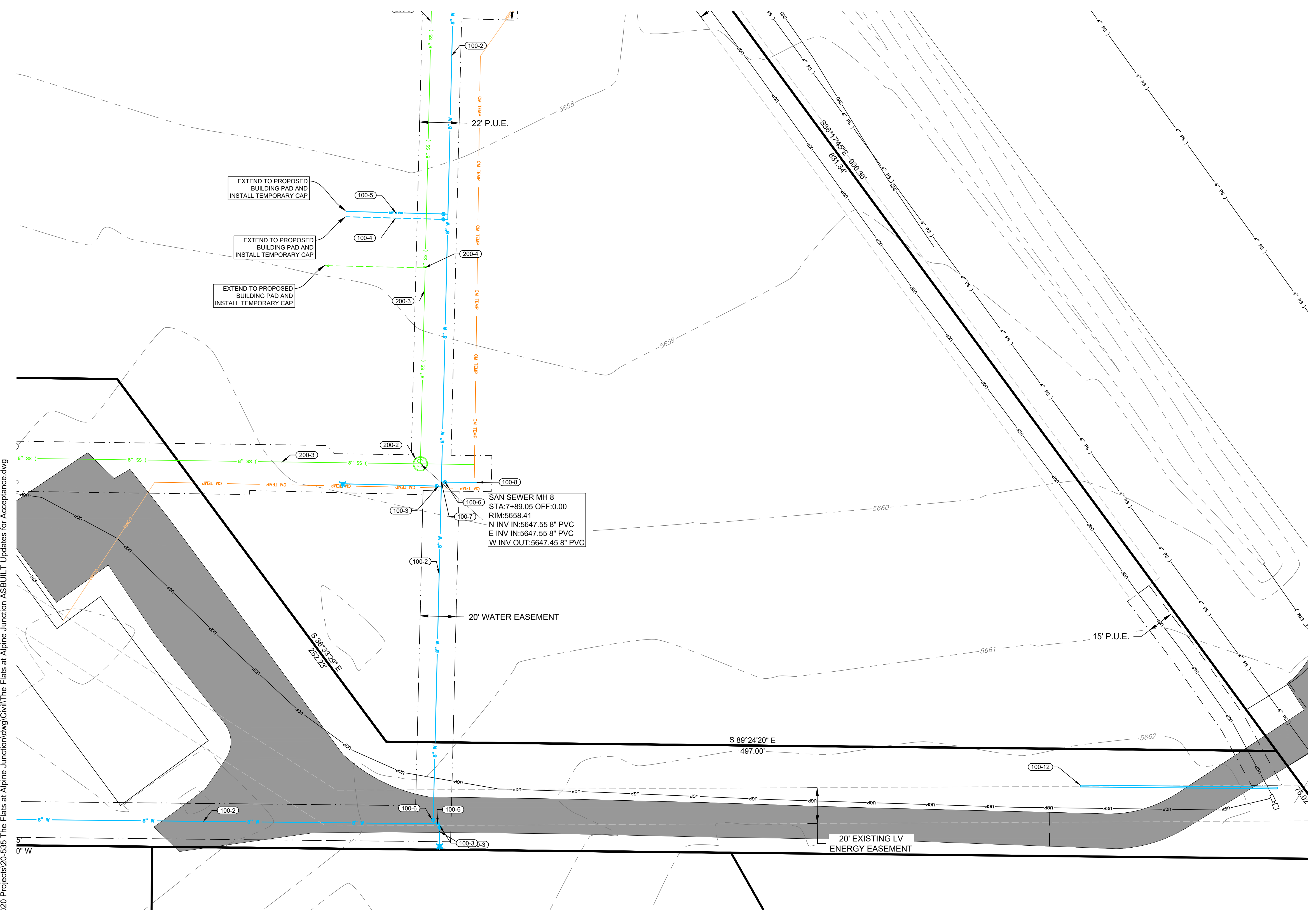
UTILITY PLAN 2 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND

EXST./PROP.

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- CATCH BASIN
- STRM MANHOLE
- SAN SWR MANHOLE
- POWER POLE
- LIGHT POLE
- PROPERTY LINE
- EASEMENT LINE
- STREET RIGHT-OF-WAY
- SAW CUT LINE
- RD CENTER LINE
- FENCE LINE
- CROSS ACCESS EASEMENT
- WATER SERVICE
- WATER LINE
- STRM SWR LINE
- SAN SWR LINE
- OVERHEAD POWER
- UNDERGRND POWER
- COMMUNICATION LINE
- GAS LINE
- CONTOURS
- DEMO
- GRADE BREAK
- BUILDING
- LANDSCAPING
- CONCRETE
- ASPHALT
- GRAVEL
- OPEN WATER
- PHASE 2
- PHASE 3



UTILITY NOTES:

- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"X8"X8" TEE. FIELD VERIFY LOCATION.
- (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
- (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
- (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
- (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
- (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
- (100-7) INSTALL 8" X 8" TEE
- (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
- (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND PLUG FOR HYDRANT IN FUTURE PHASING.
- (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
- (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
- (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
- (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
- (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
- (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
- (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUANCE.
- (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.

TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.

RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

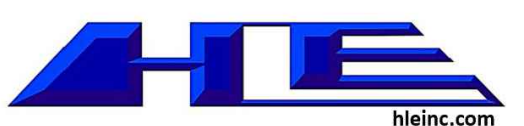
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Professional Engineer
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WYOMING



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IDAHO FALLS, ID 83402
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Alpine Flats
West Side of U.S. Hwy 26 Alpine WY 83128

UTILITY PLAN 2

Issue	ID	DATE	DESCRIPTION

20-535

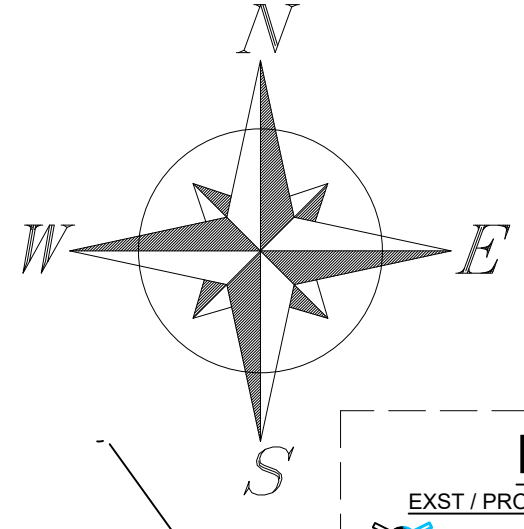
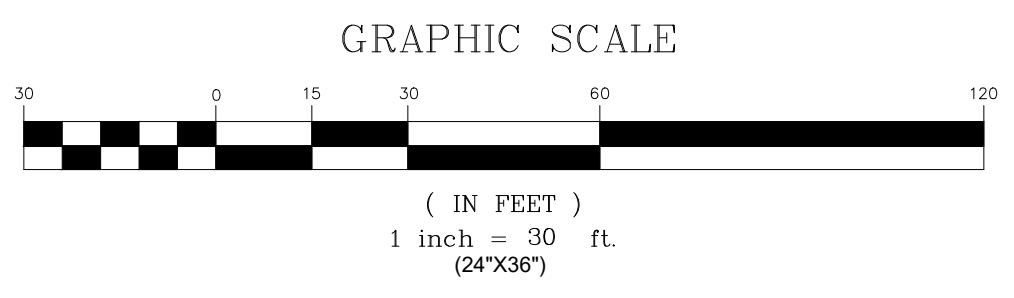
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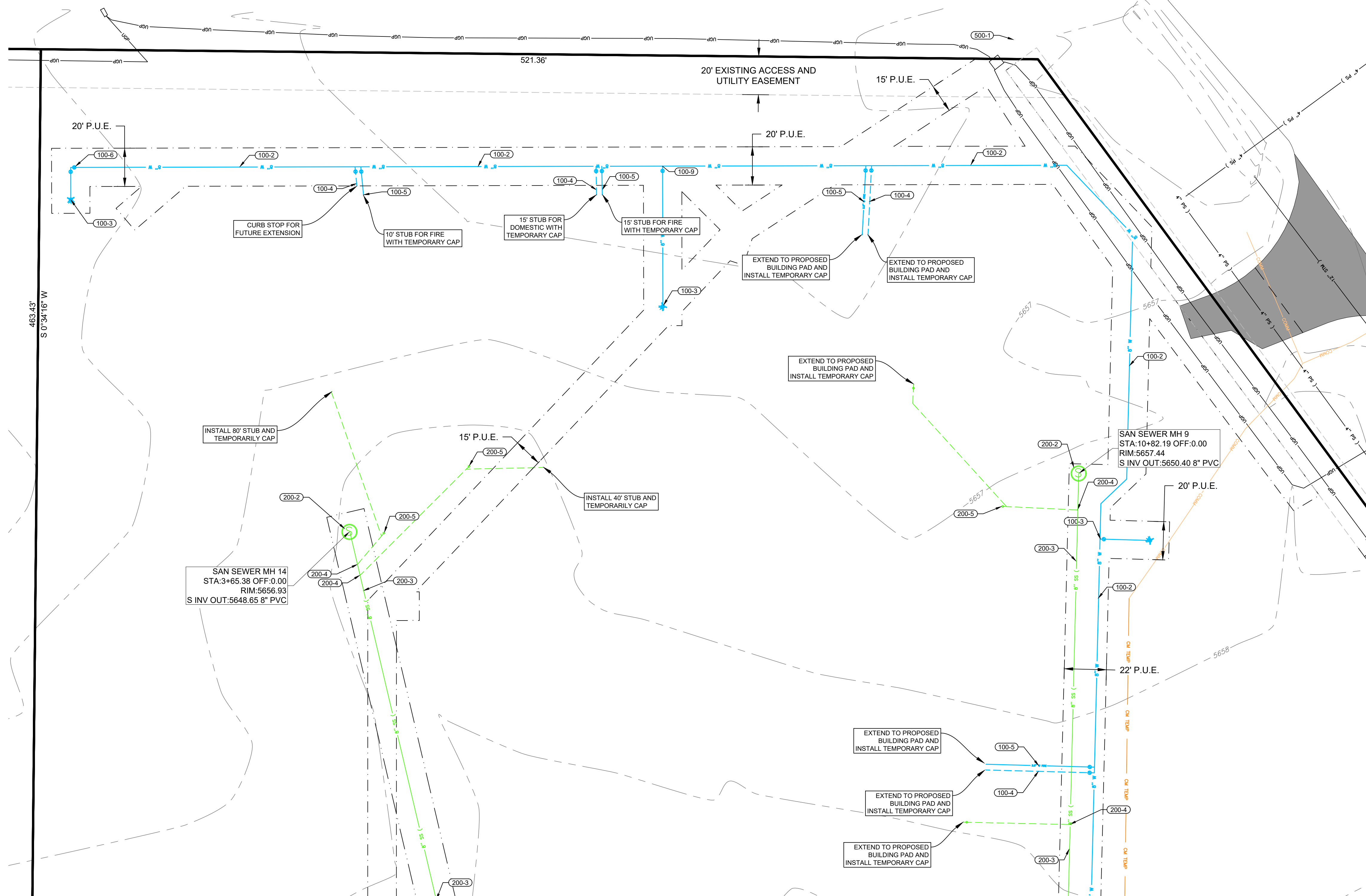
UTILITY PLAN 3 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND

EXST / PROP

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- CATCH BASIN
- STRM MANHOLE
- SAN SWR MANHOLE
- POWER POLE
- LIGHT POLE
- PROPERTY LINE
- EASEMENT LINE
- STREET RIGHT-OF-WAY
- SAW CUT LINE
- RD CENTER LINE
- FENCE LINE
- CROSS ACCESS EASEMENT
- WATER LINE
- WATER SERVICE
- 12" STRM
- 12" SWR
- 12" SWR
- SAN SWR LINE
- SAN SWR SERVICE
- OVERHEAD POWER
- UNDRGRND POWER
- COMMUNICATION LINE
- GAS LINE
- CONTOURS
- DEMO
- OB
- OB
- OB
- GRADE BREAK
- BUILDING
- LANDSCAPING
- CONCRETE
- ASPHALT
- GRAVEL
- OPEN WATER
- PHASE 2
- PHASE 3



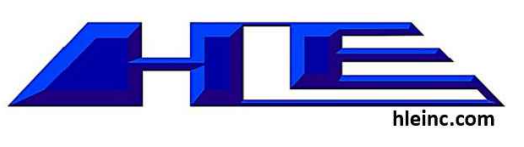
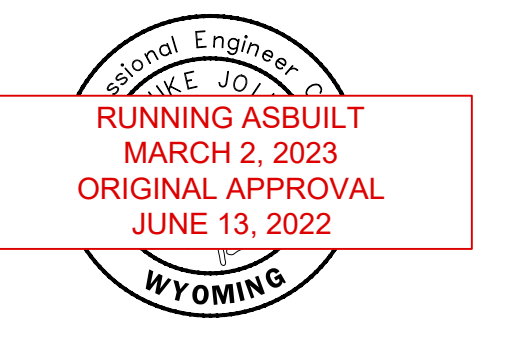
- #### UTILITY NOTES:
- CONNECT TO EXISTING 8" WATER MAIN WITH 8"x8"x8" TEE. FIELD VERIFY LOCATION.
 - INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
 - INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
 - INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665.01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - INSTALL 8" GATE VALVE PER WPWSS 02665-D.
 - INSTALL 8" X 8" TEE
 - INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
 - INSTALL 6" GATE VALVE PER WPWSS 02665-D.
 - INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
 - CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
 - INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
 - INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
 - INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
 - INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.

TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.

RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.



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PHONE: (208) 524-0212

Alpine Flats
West Side of U.S. Hwy 26 Alpine WY 83128

UTILITY PLAN 3

Issue	ID	DATE	DESCRIPTION

20-535

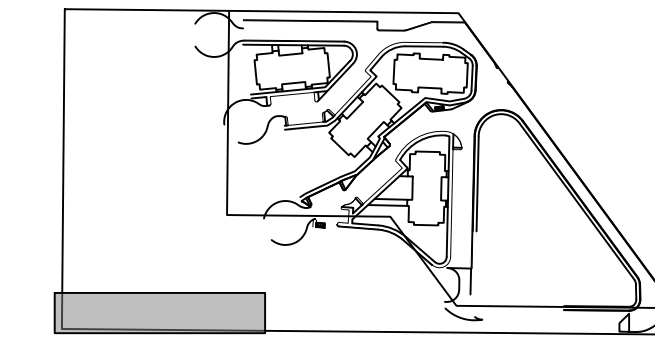
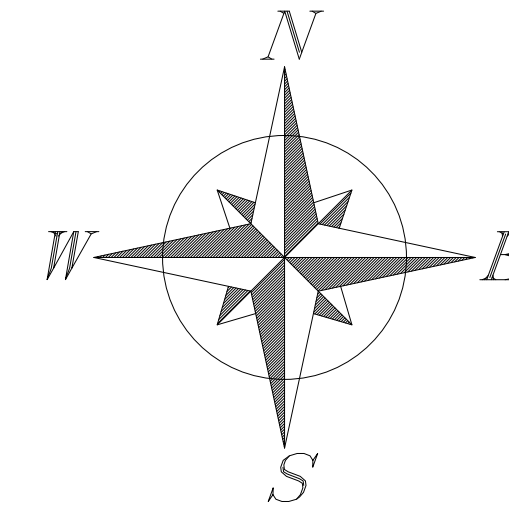
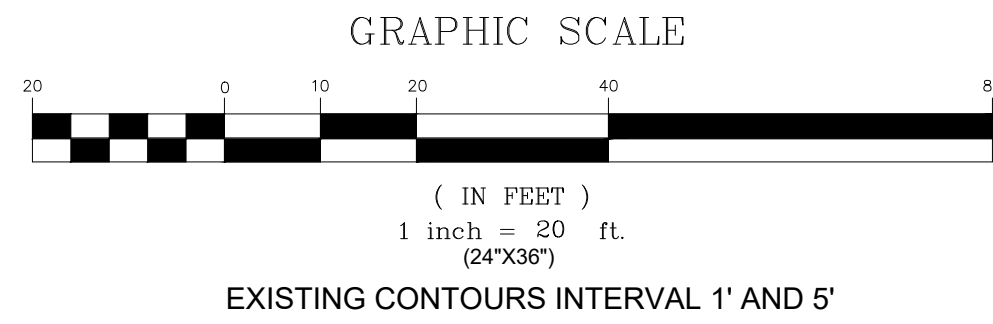
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WATER PLAN AND PROFILE 1 FOR: THE FLATS AT ALPINE JUNCTION



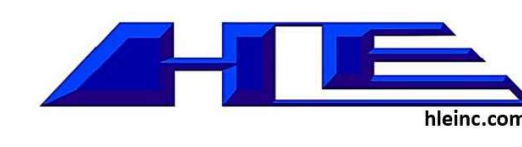
LEGEND

EXST / PROP

	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3

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305 1st STREET, Idaho Falls, ID 83401
PH: 208.757.5700

Professional Engineer
WYOMING
RUNNING ASBUILT
MARCH 2, 2023
ORIGINAL APPROVAL
JUNE 13, 2022



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Alpine Flats
West Side of U.S. HWY 26 Alpine WY 83128

WATER PLAN & PROFILE 1

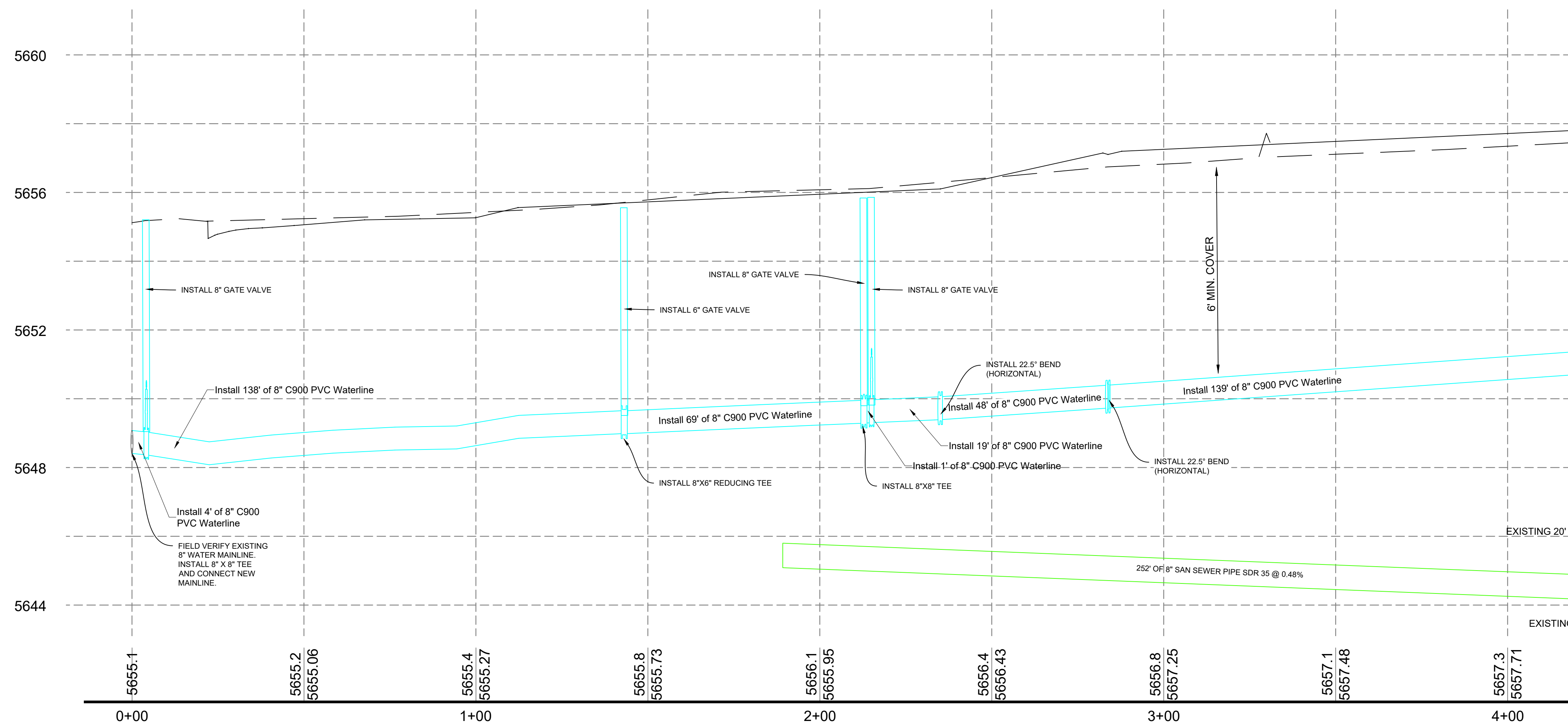
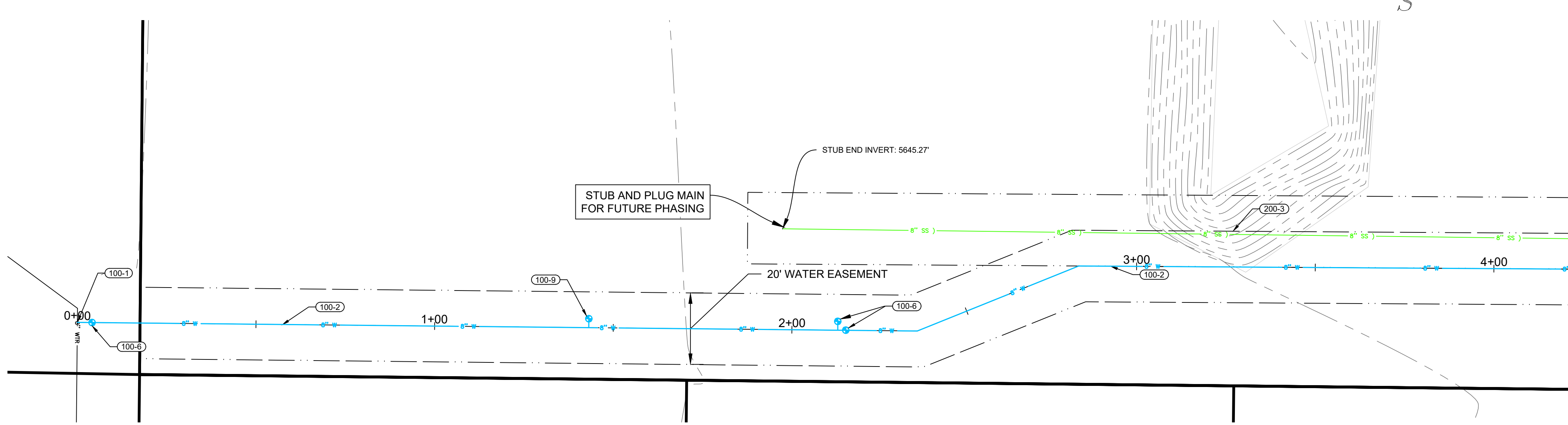
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20-535

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SHEET # OF 25

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UTILITY NOTES:

- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"x8"x8" TEE. FIELD VERIFY LOCATION.
- (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
- (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
- (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
- (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
- (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665-D.
- (100-7) INSTALL 8" X 8" TEE
- (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
- (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
- (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
- (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665-D.
- (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
- (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
- (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
- (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
- (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUANCE.
- (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

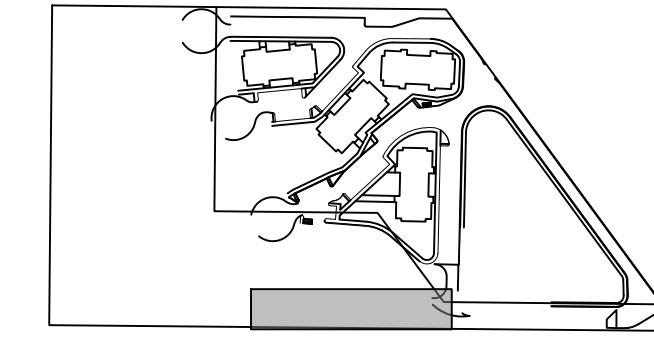
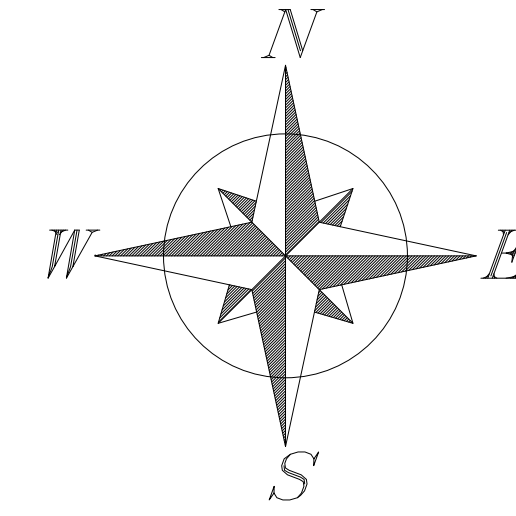
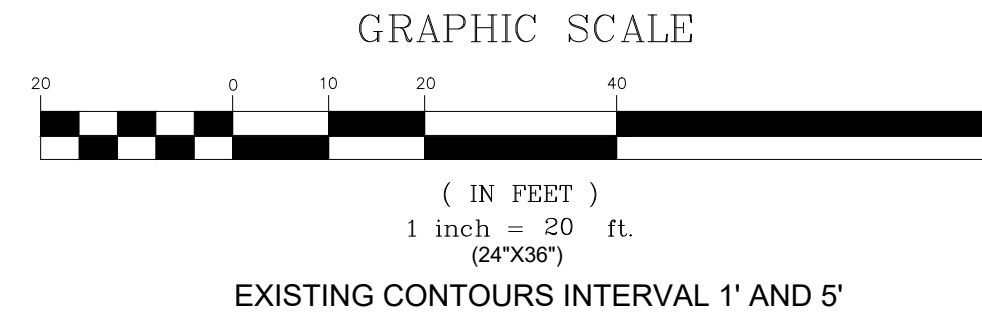
TRENCHING AND UTILITY GENERAL NOTES:

- RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.
- TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.
- RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

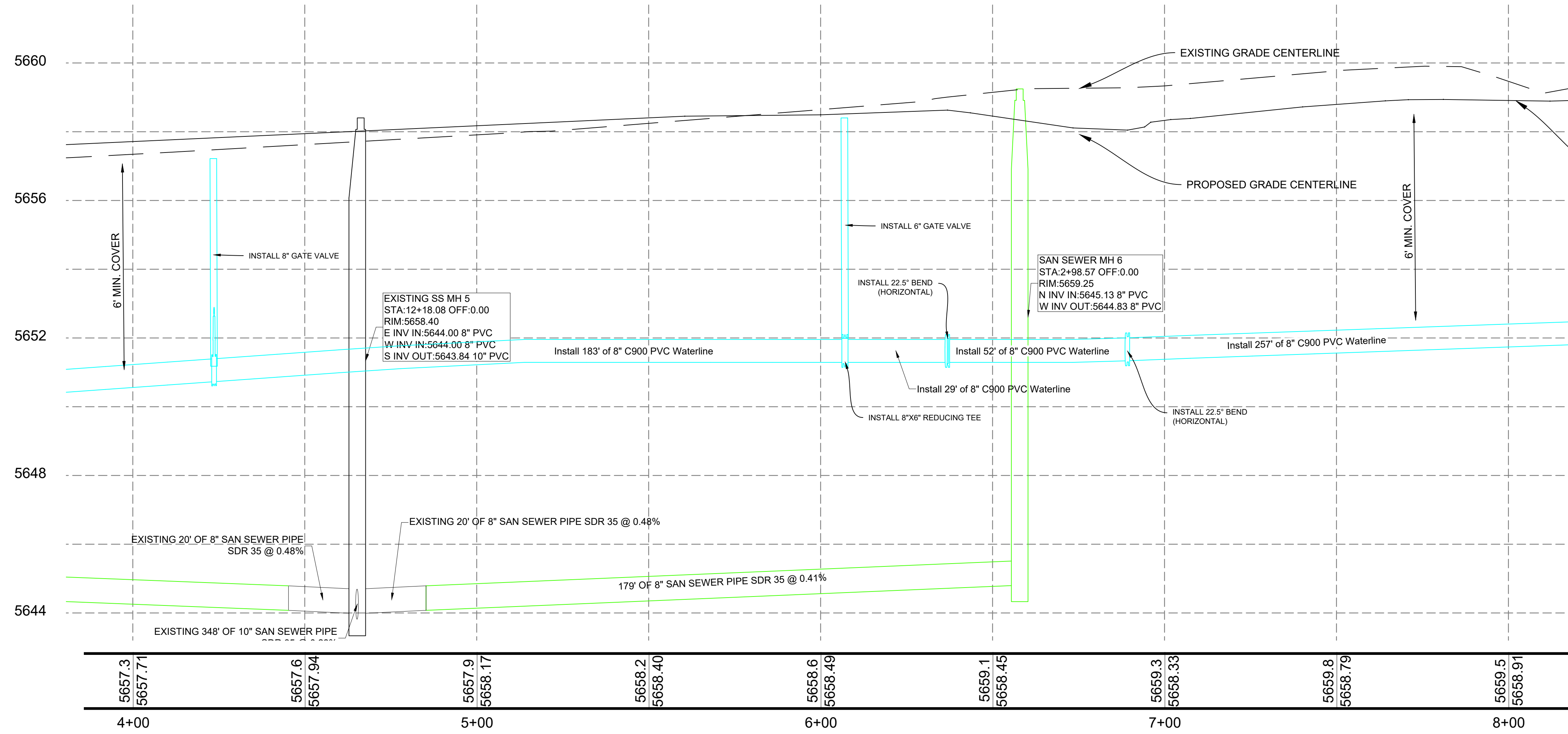
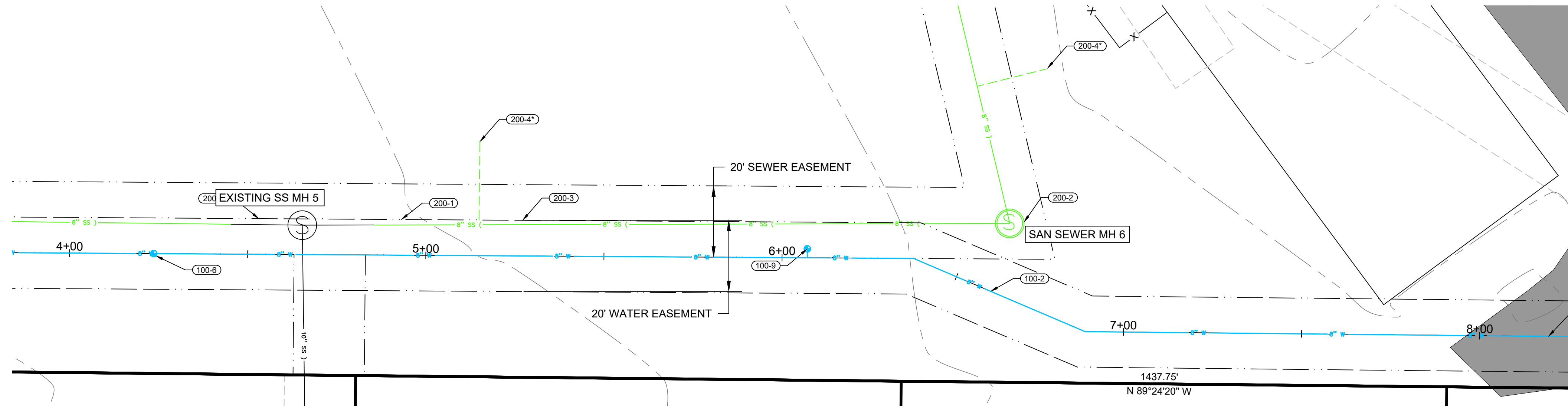
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HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

WATER PLAN AND PROFILE 2 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND	
EXST / PROP	DESCRIPTION
	FIRE HYDRANT WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



- UTILITY NOTES:**
- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"X8" TEE. FIELD VERIFY LOCATION.
 - (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
 - (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
 - (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
 - (100-7) INSTALL 8" X 8" TEE
 - (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
 - (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
 - (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
 - (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
 - (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
 - (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
 - (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
 - (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

- TRENCHING AND UTILITY GENERAL NOTES:**
- RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.
 - TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.
 - RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

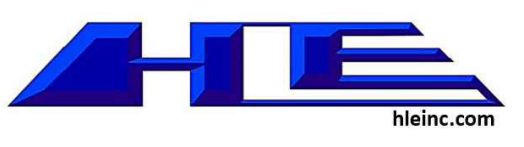
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HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

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PH: 208.757.5700

Professional Engineer
Running Asbuilt
MARCH 2, 2023
ORIGINAL APPROVAL
JUNE 13, 2022
WYOMING



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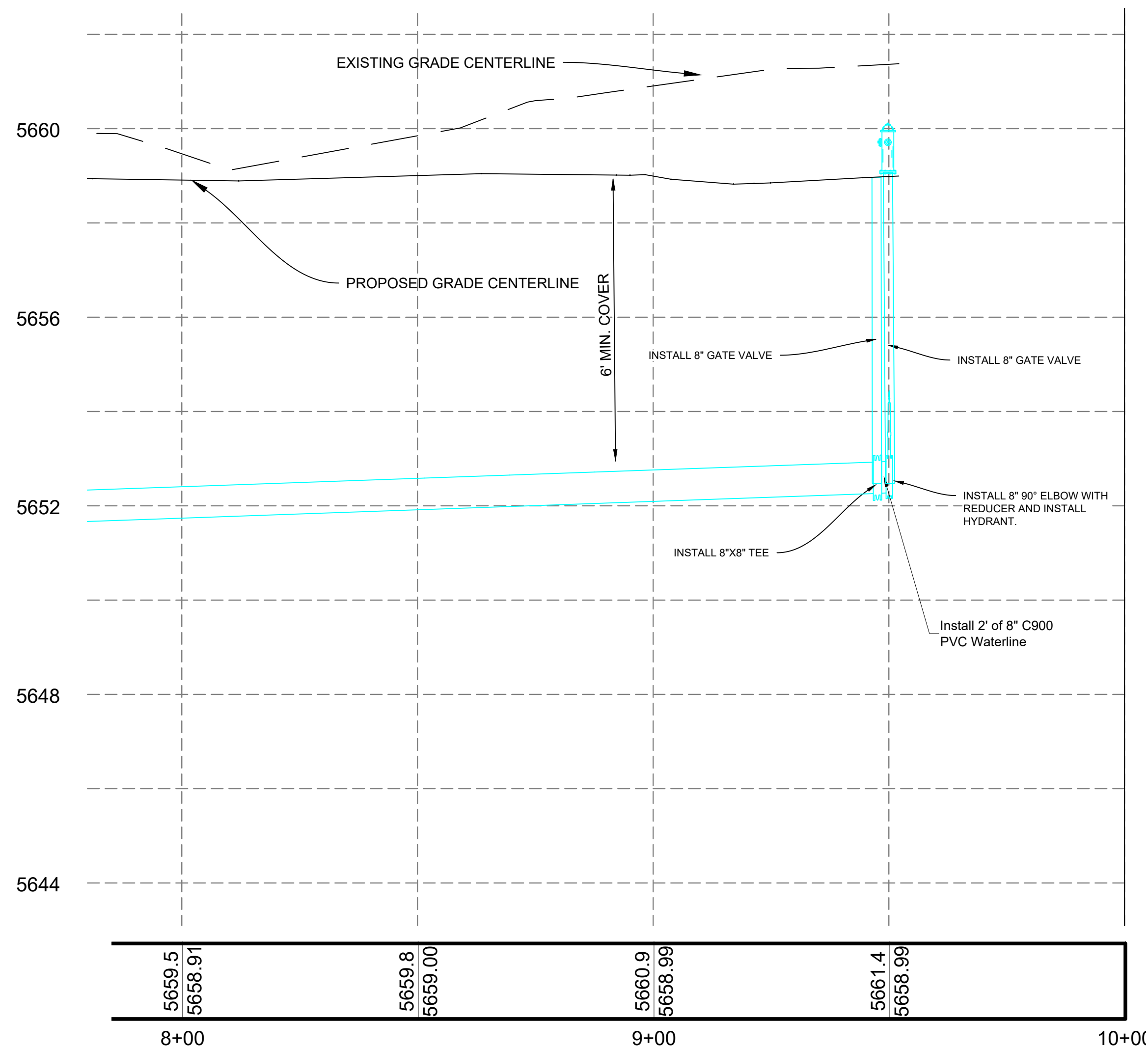
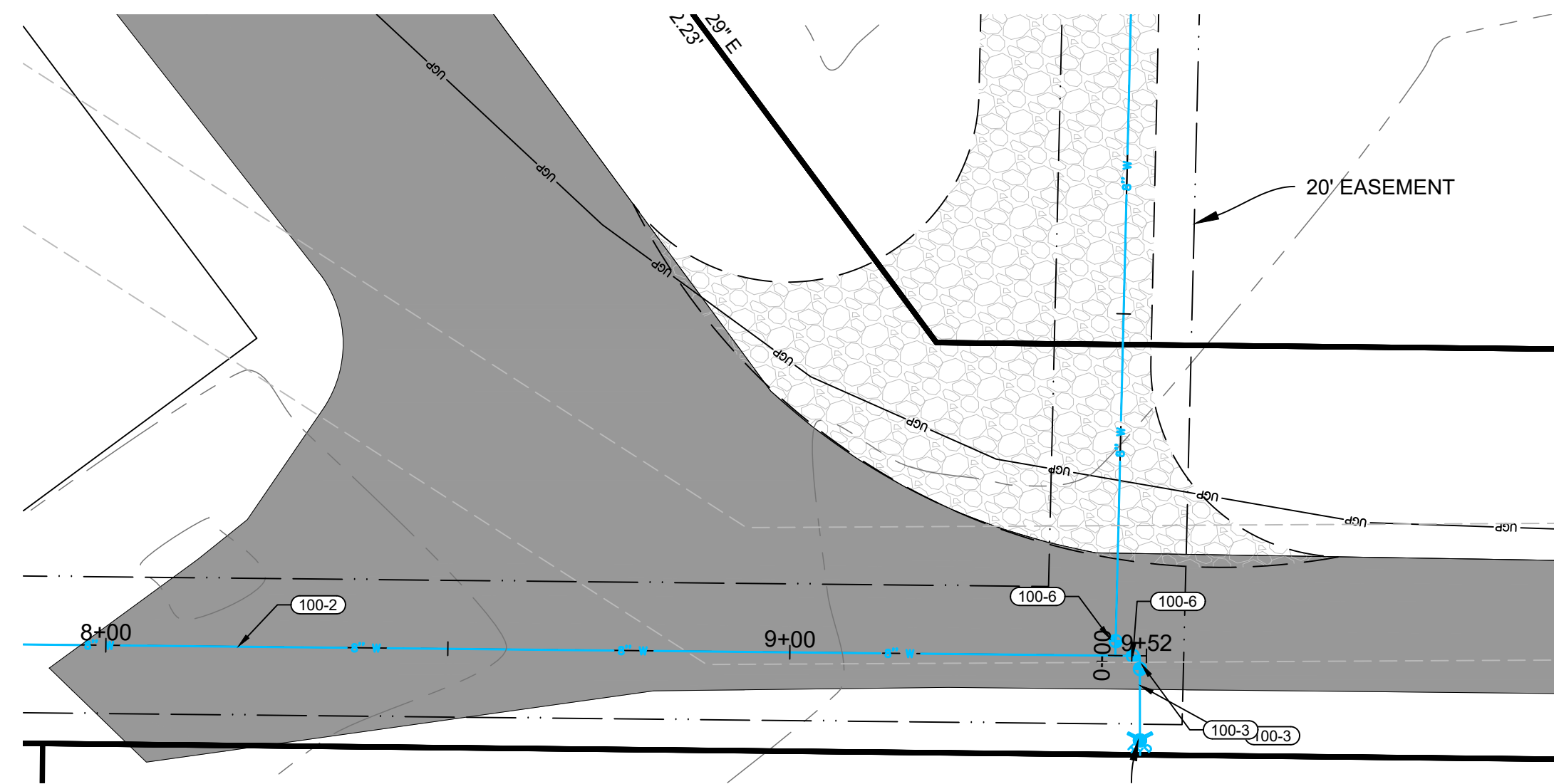
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101 S PARK AVE #210
IDAHO FALLS, ID 83402
PHONE: (208) 524-0212

Alpine Flats	
West Side of U.S. HWY 26 Alpine WY 83128	
WATER PLAN & PROFILE 2	
Issue	DATE DESCRIPTION

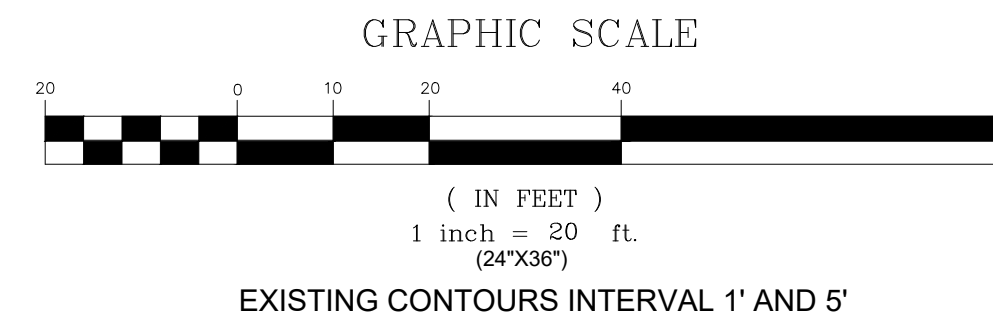
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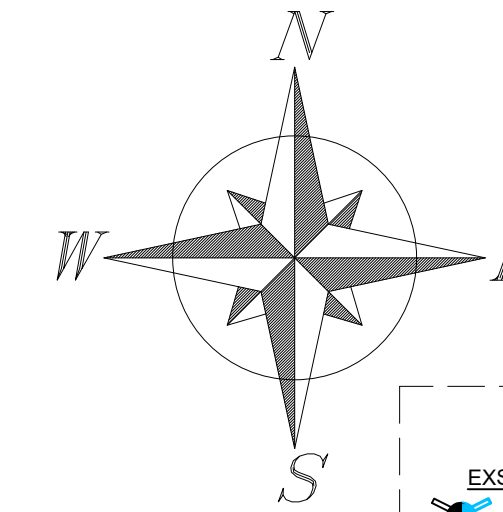
WATER PLAN AND PROFILE 3 FOR: THE FLATS AT ALPINE JUNCTION



HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)



EXISTING CONTOURS INTERVAL 1' AND 5'



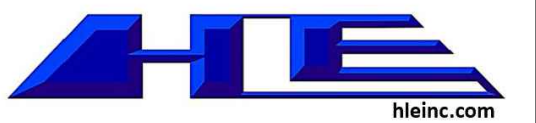
LEGEND	
EXST / PROP	
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3

UTILITY NOTES:

- 100-1 CONNECT TO EXISTING 8" WATER MAIN WITH 8"x8" TEE. FIELD VERIFY LOCATION.
- 100-2 INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
- 100-3 INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPSS STD. DWG. NO. 02845-01.
- 100-4 INSTALL 2" COMMERCIAL WATER SERVICE PER WPSS STD. DWG. NO. 02685-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
- 100-5 INSTALL 2.5" MIN. FIRE WATER LINE PER WPSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
- 100-6 INSTALL 8" GATE VALVE PER WPSS 02665 D.
- 100-7 INSTALL 8" X 8" TEE
- 100-8 INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
- 100-9 INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
- 100-10 INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
- 100-11 INSTALL 6" GATE VALVE PER WPSS 02665 D.
- 100-12 INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
- 200-1 CONNECT TO EXISTING 6" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
- 200-2 INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPSS 02700.
- 200-3 INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
- 200-4 INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
- 200-5 INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

- RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.
- TRENCH AND BACKFILL PER WPSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPSS 02225.
- RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.



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101 S PARK AVE #210
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PHONE: (208) 524-0212

Alpine Flats	
West Side of U.S. HWY 26 Alpine WY 83128	
WATER PLAN & PROFILE 3	
Issue	ID DATE DESCRIPTION

20-535

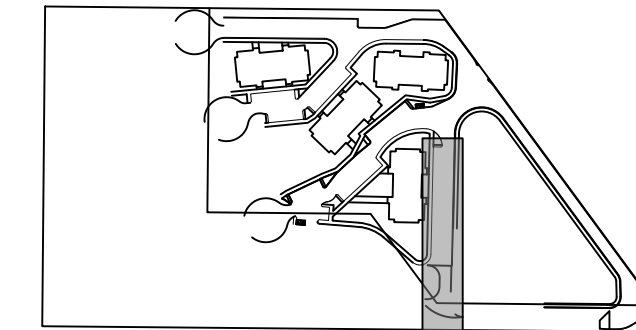
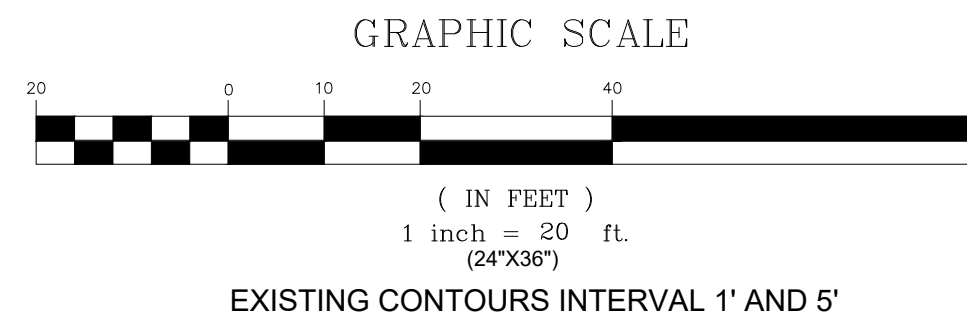
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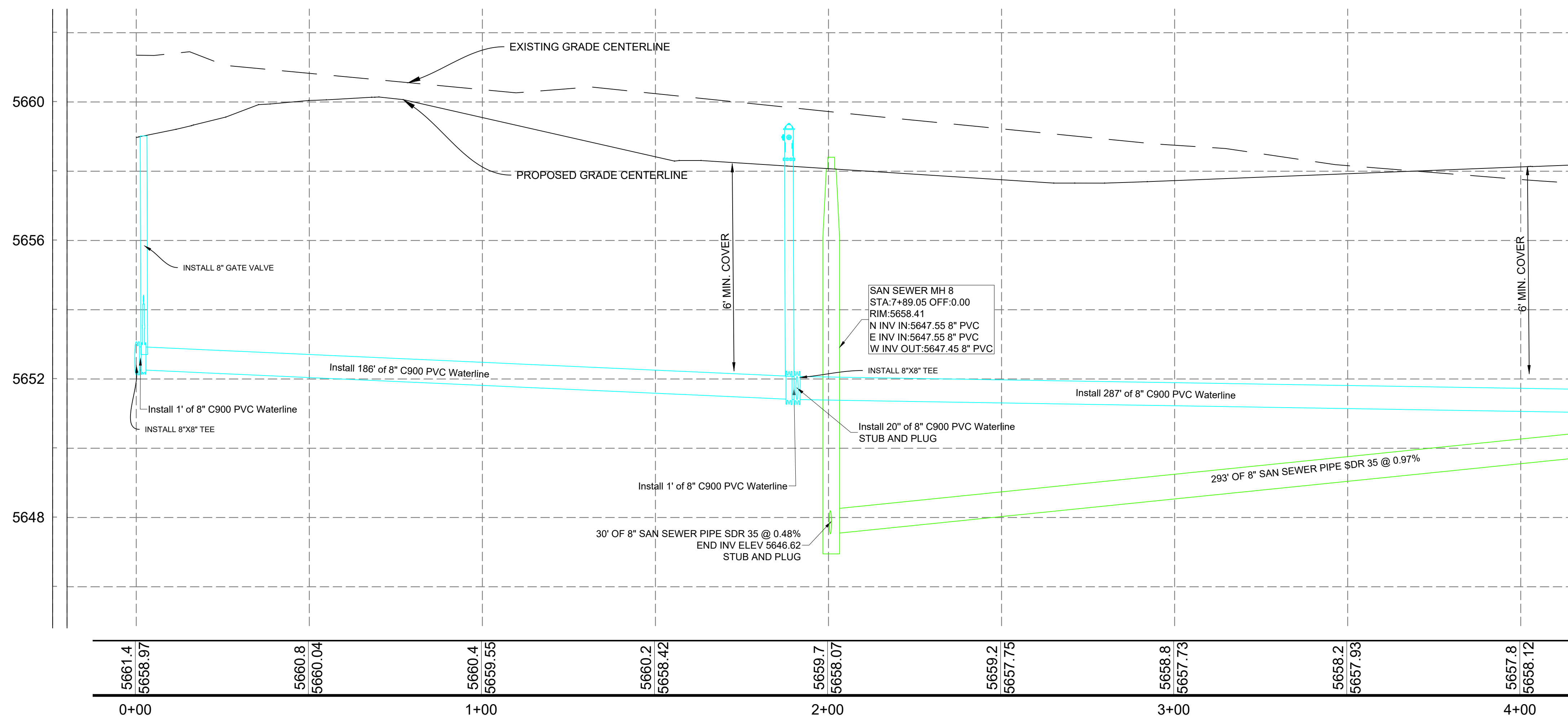
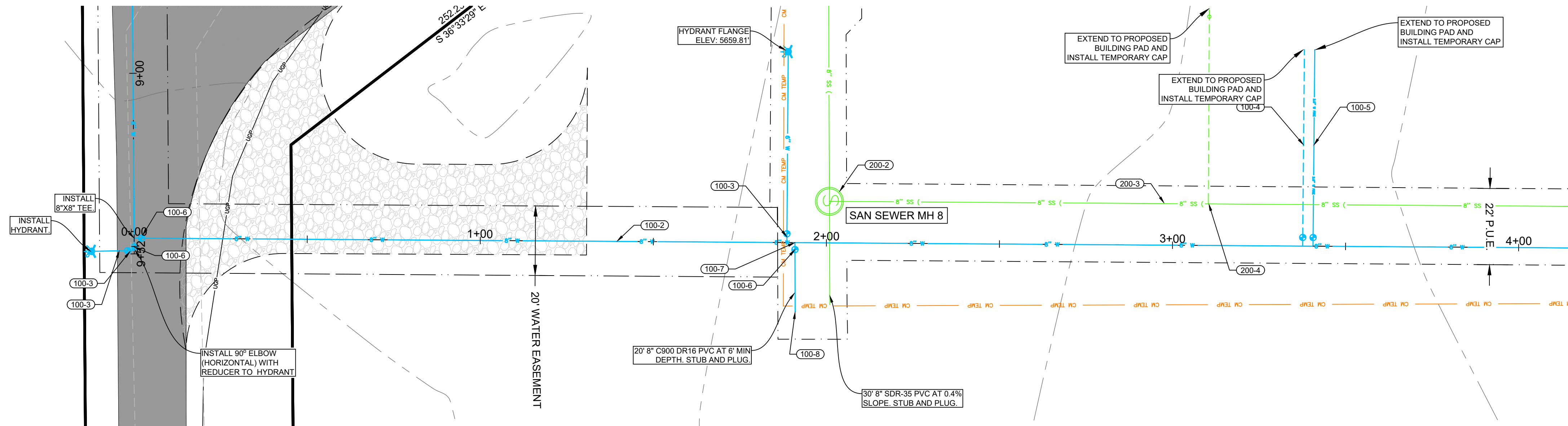
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WATER PLAN AND PROFILE 4 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND

EXST / PROP	DESCRIPTION
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	GAS LINE
	COMMUNICATION LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDINGS
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



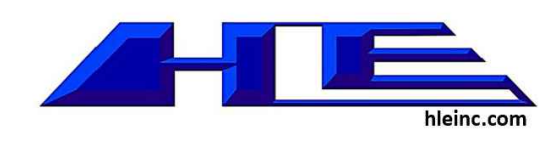
- UTILITY NOTES:**
- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"X8" TEE. FIELD VERIFY LOCATION.
 - (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
 - (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPSS STD. DWG. NO. 02645-01.
 - (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - (100-6) INSTALL 8" GATE VALVE PER WPSS 02665 D.
 - (100-7) INSTALL 8" X 8" TEE
 - (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
 - (100-11) INSTALL 6" GATE VALVE PER WPSS 02665 D.
 - (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
 - (200-1) CONNECT TO EXISTING 6" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
 - (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPSS 02700.
 - (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
 - (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
 - (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.

TRENCH AND BACKFILL PER WPSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPSS 02225.

RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.



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Alpine Flats	
West Side of U.S. HWY 26 Alpine WY 83128	
WATER PLAN & PROFILE 4	
Issue	ID DATE DESCRIPTION

20-535

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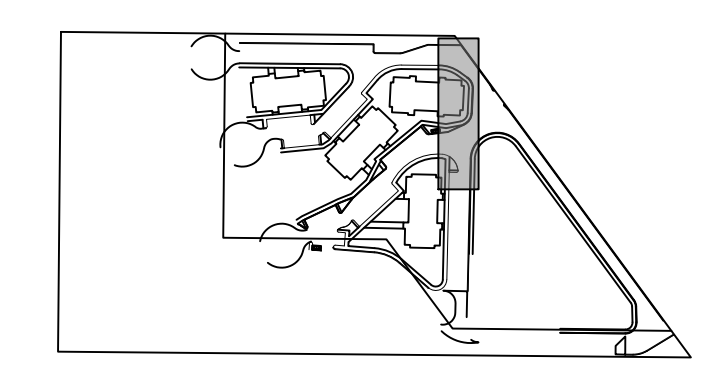
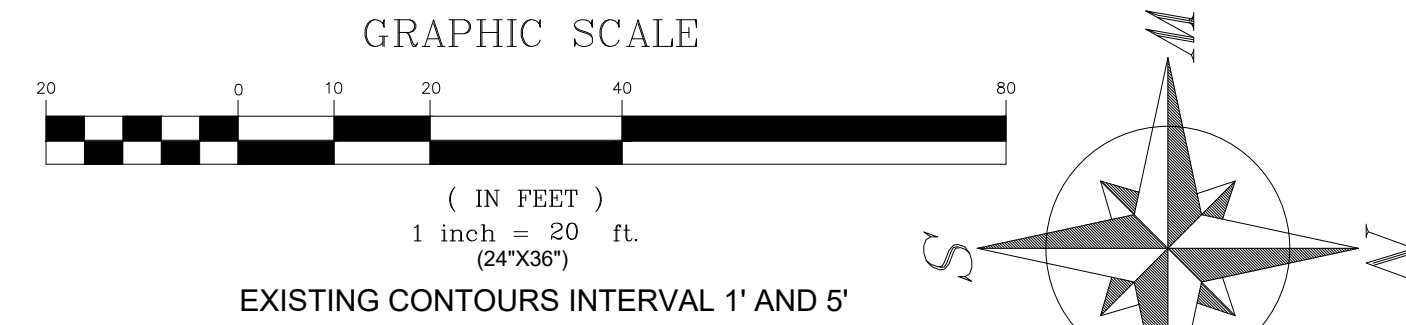
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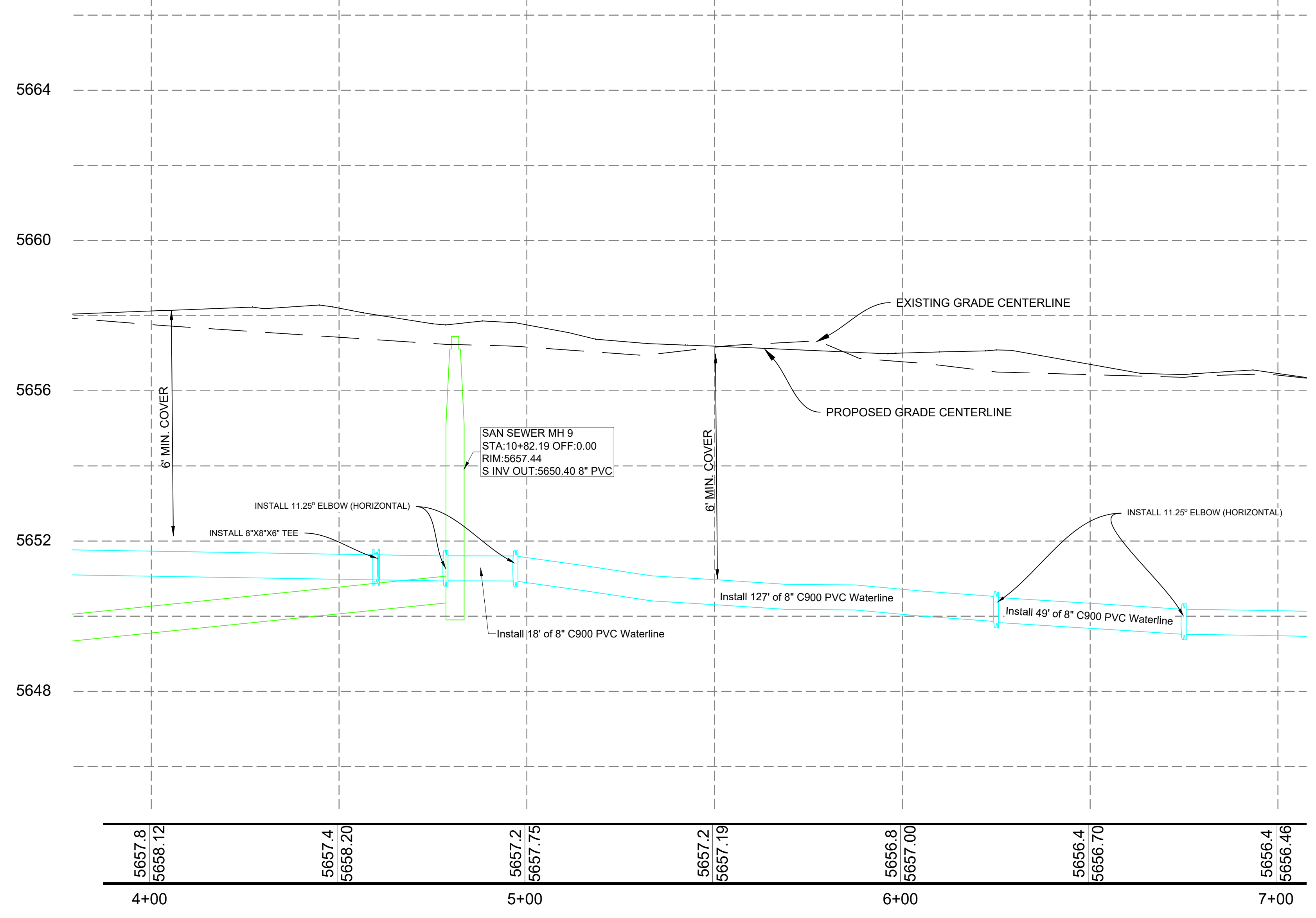
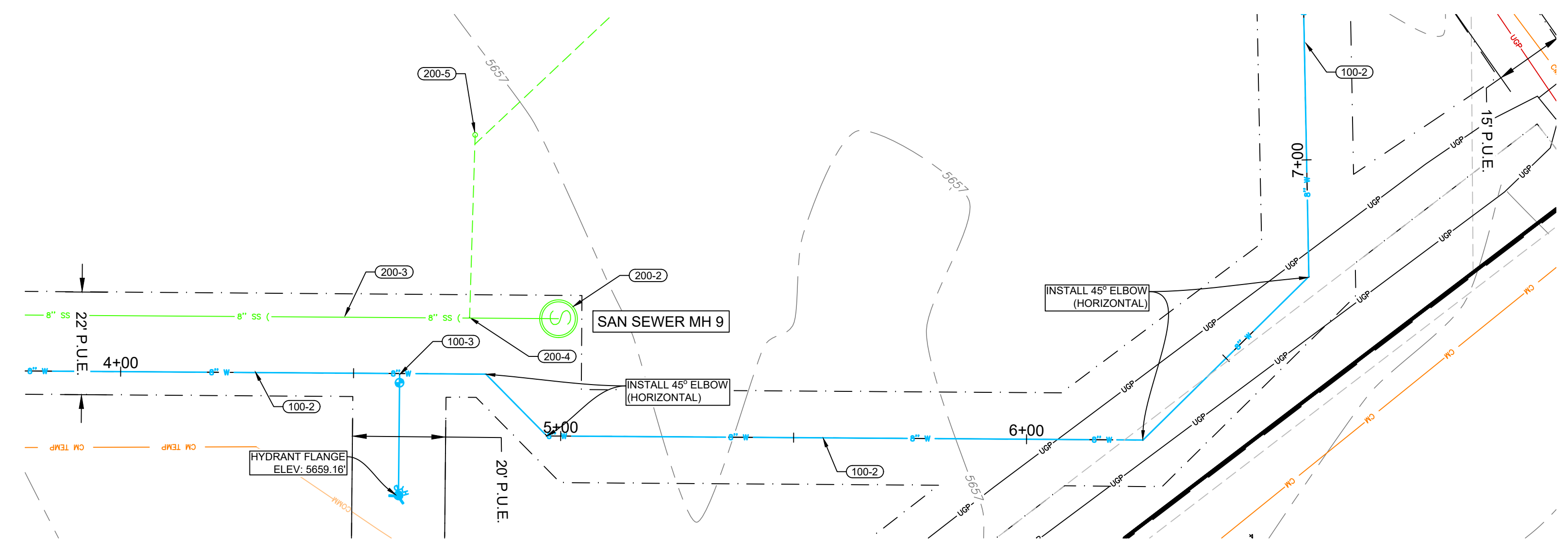
HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

WATER PLAN AND PROFILE 5 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND

EXST / PROP	DESCRIPTION
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



- UTILITY NOTES:**
- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"X8"X6" TEE. FIELD VERIFY LOCATION.
 - (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
 - (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
 - (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
 - (100-7) INSTALL 8" X 8" TEE
 - (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
 - (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
 - (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
 - (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
 - (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
 - (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
 - (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
 - (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.

TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.

RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

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Professional Engineer
Mike Joy

RUNNING ASBUILT
MARCH 2, 2023
ORIGINAL APPROVAL
JUNE 13, 2022

WYOMING

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Alpine Flats
West Side of U.S. HWY 26 Alpine WY 83128

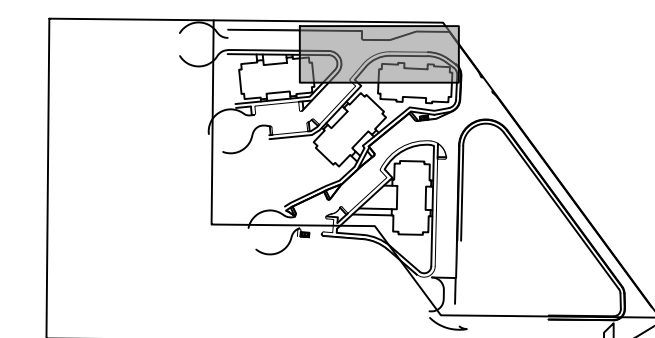
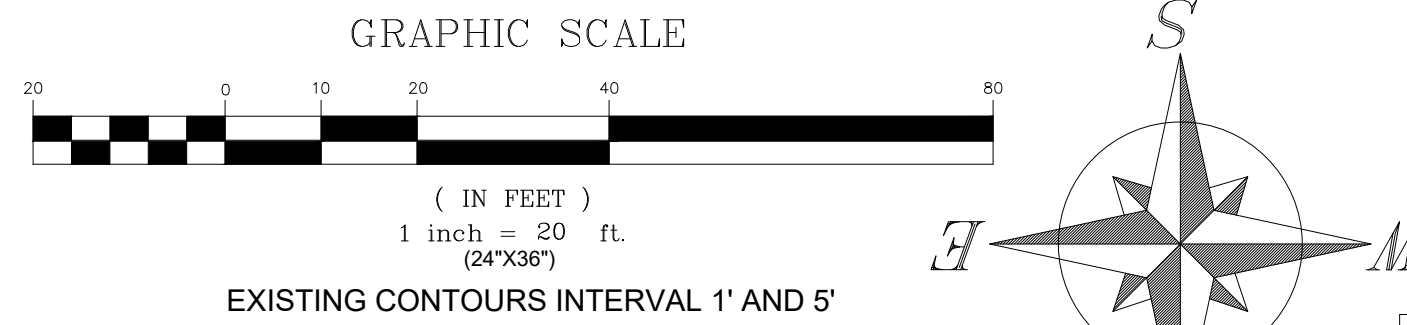
WATER PLAN & PROFILE 5

Issue	ID	DATE	DESCRIPTION

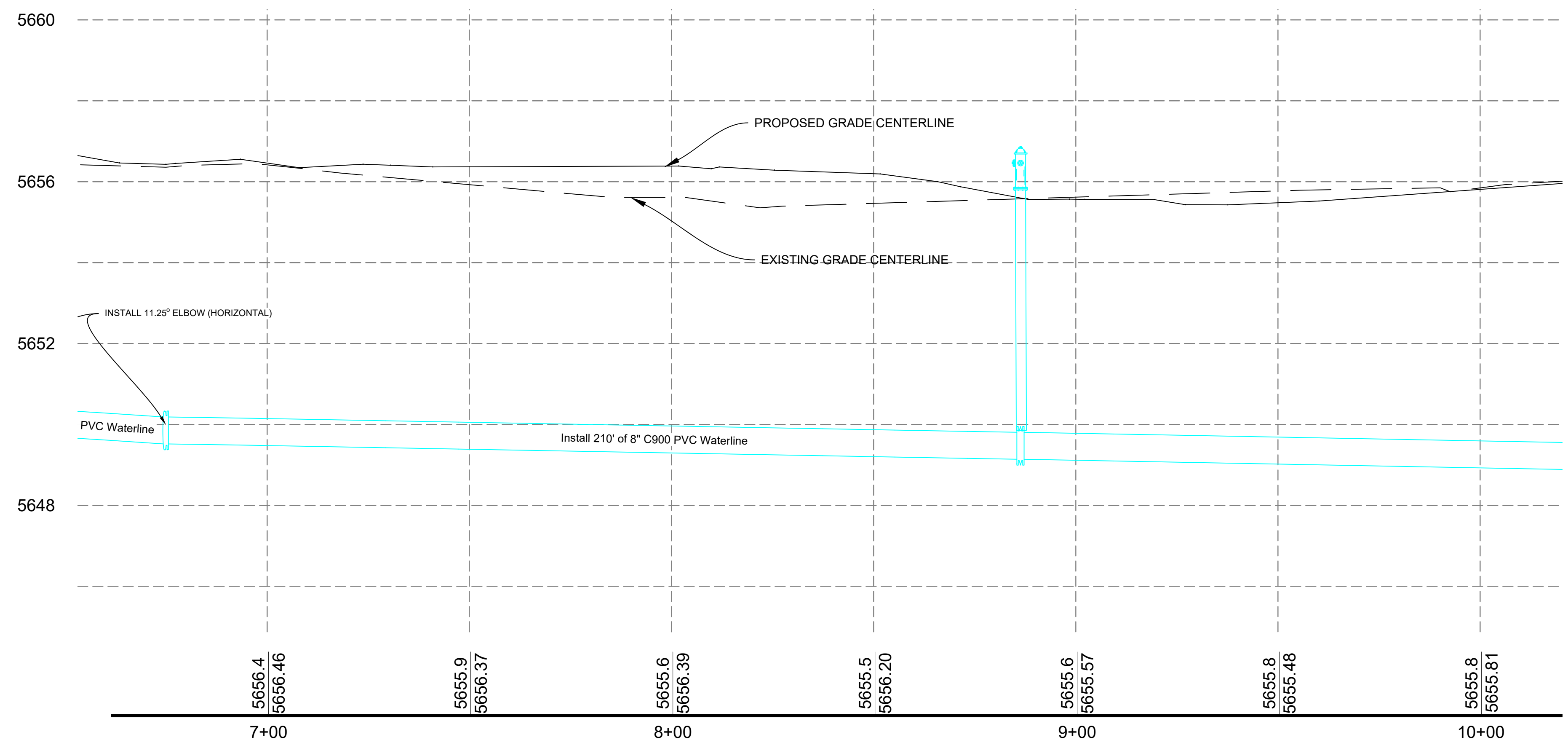
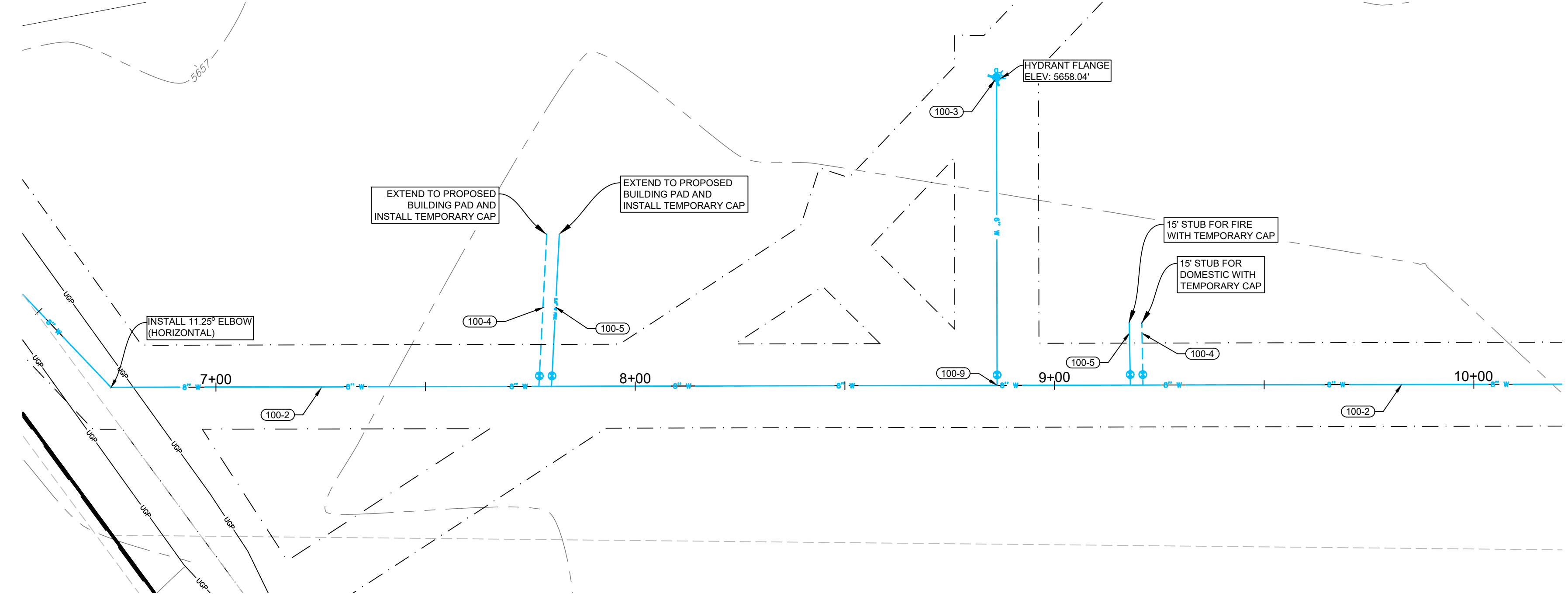
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WATER PLAN AND PROFILE 6 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND	
EXST / PROP	
	FIRE HYDRANT VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

UTILITY NOTES:

- 100-1 CONNECT TO EXISTING 8" WATER MAIN WITH 8"x8"x8" TEE. FIELD VERIFY LOCATION.
- 100-2 INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
- 100-3 INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
- 100-4 INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
- 100-5 INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
- 100-6 INSTALL 8" GATE VALVE PER WPWSS 02665 D.
- 100-7 INSTALL 8" X 8" TEE
- 100-8 INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
- 100-9 INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
- 100-10 INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
- 100-11 INSTALL 6" GATE VALVE PER WPWSS 02665 D.
- 100-12 INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
- 200-1 CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
- 200-2 INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
- 200-3 INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
- 200-4 INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
- 200-5 INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

- RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.
- TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.
- RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

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Alpine Flats West Side of U.S. HWY 26 Alpine WY 83128	
WATER PLAN & PROFILE 6	
Issue	DESCRIPTION

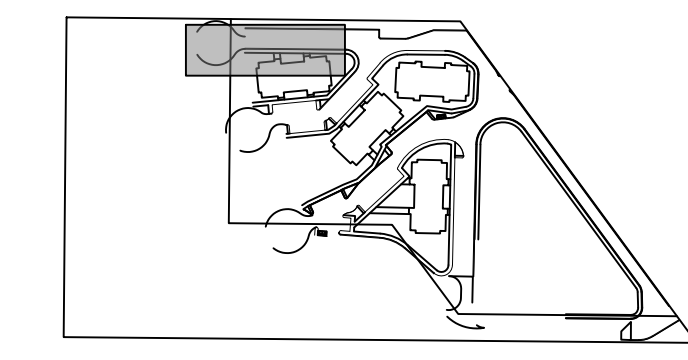
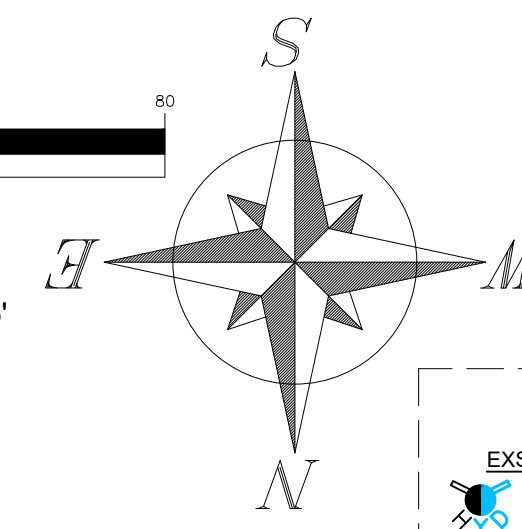
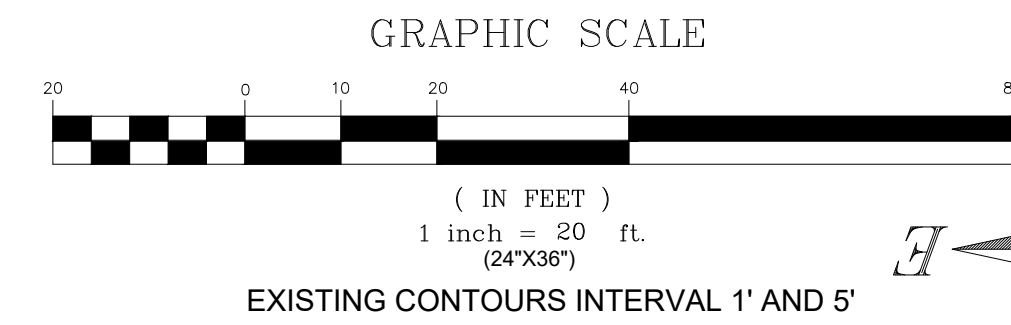
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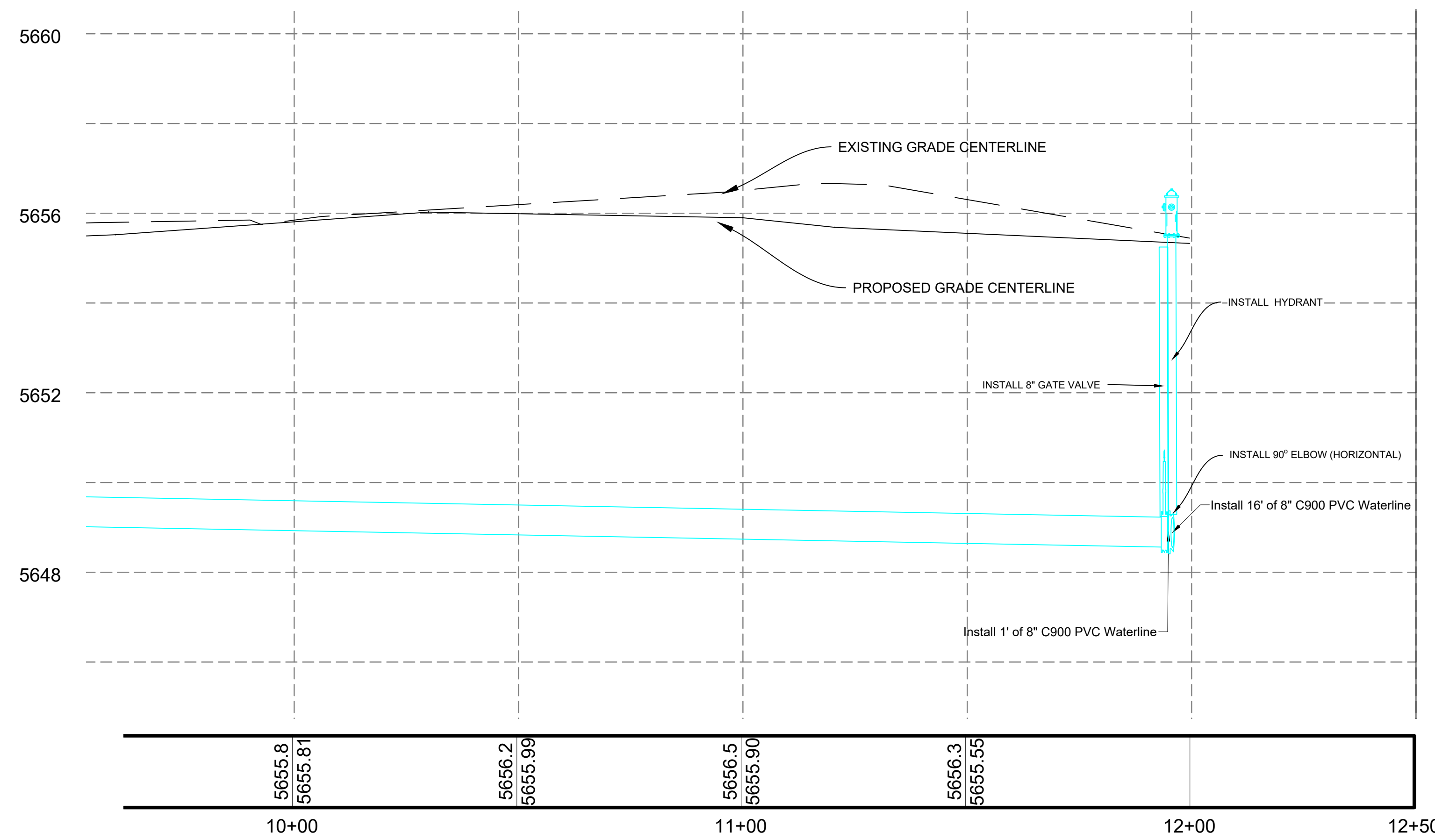
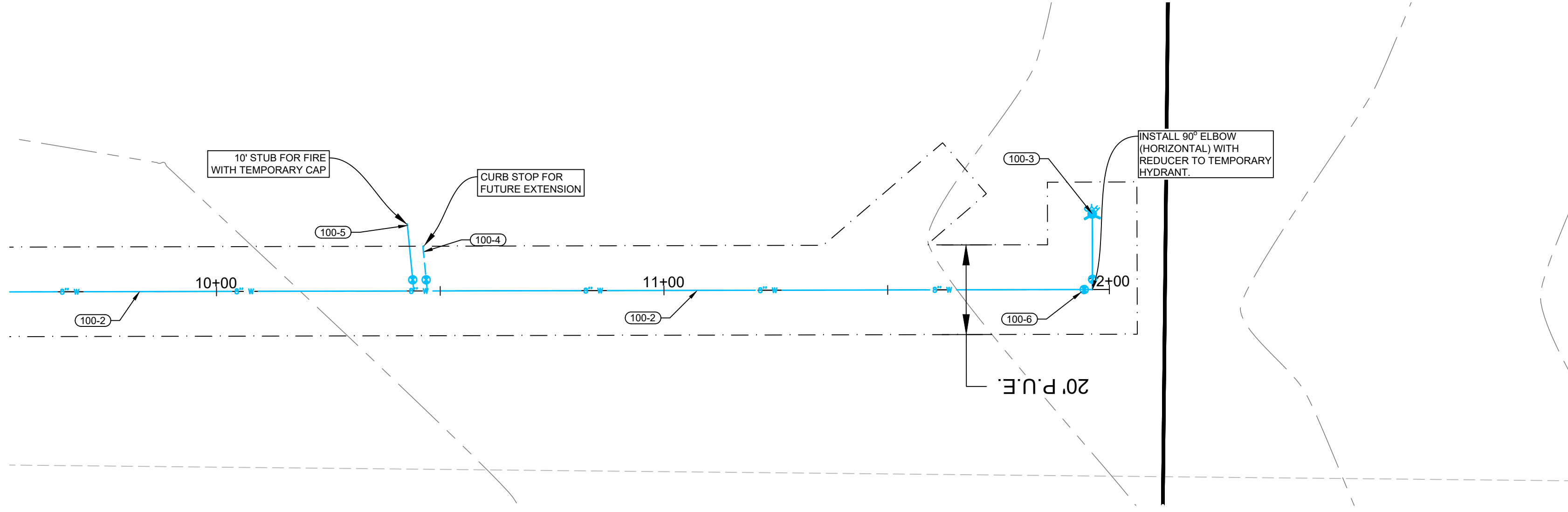
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WATER PLAN AND PROFILE 7 FOR: THE FLATS AT ALPINE JUNCTION

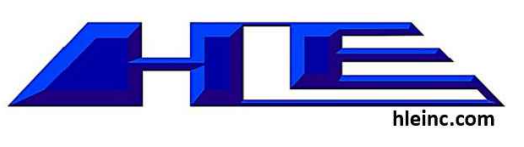
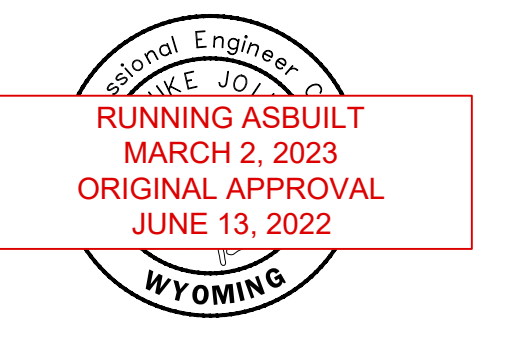


LEGEND	
EXST / PROP	DESCRIPTION
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	GAS LINE
	COMMUNICATION LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



- UTILITY NOTES:**
- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"x8"x8" TEE. FIELD VERIFY LOCATION.
 - (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6" MIN COVER.
 - (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
 - (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
 - (100-7) INSTALL 8" X 8" TEE
 - (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6" MIN COVER.
 - (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
 - (100-12) INSTALL 10" OR LARGER DR-36 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
 - (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
 - (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
 - (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
 - (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
 - (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:
 RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.
 TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.
 RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.



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 HLE, INC.
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Alpine Flats	
West Side of U.S. HWY 26 Alpine WY 83128	
WATER PLAN & PROFILE 7	
Issue	ID DATE DESCRIPTION

20-535

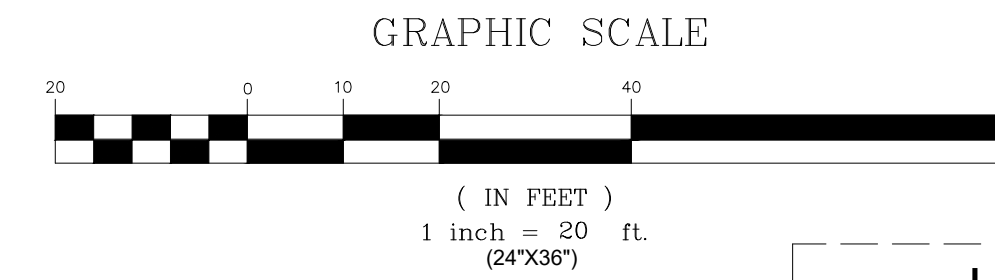
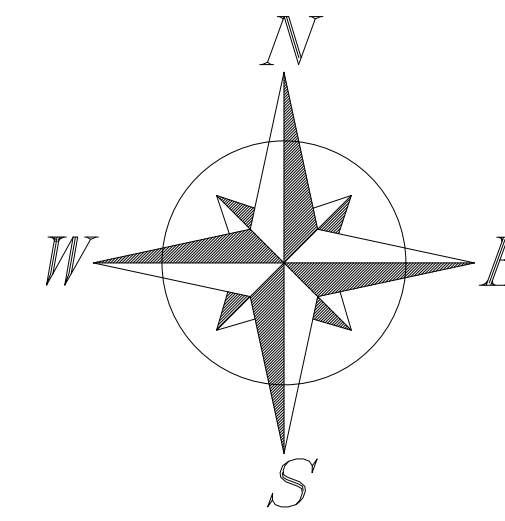
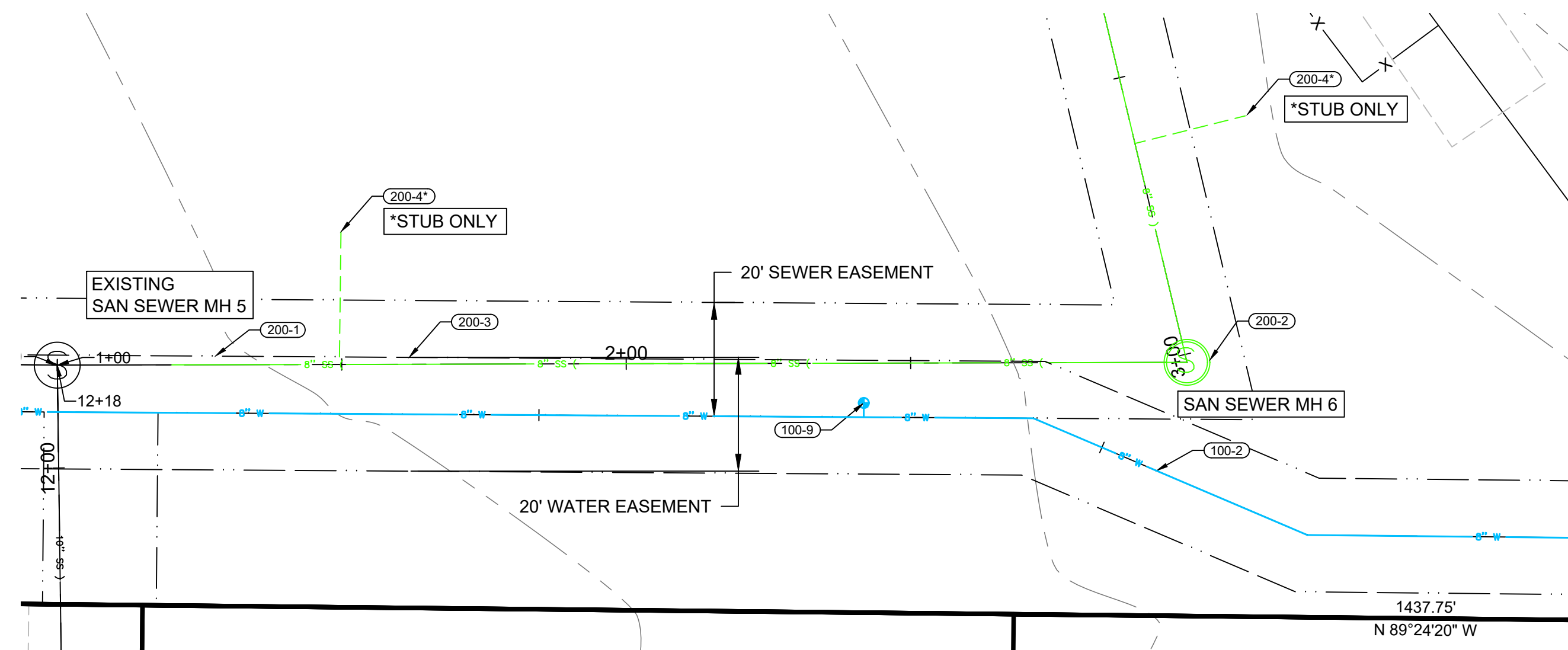
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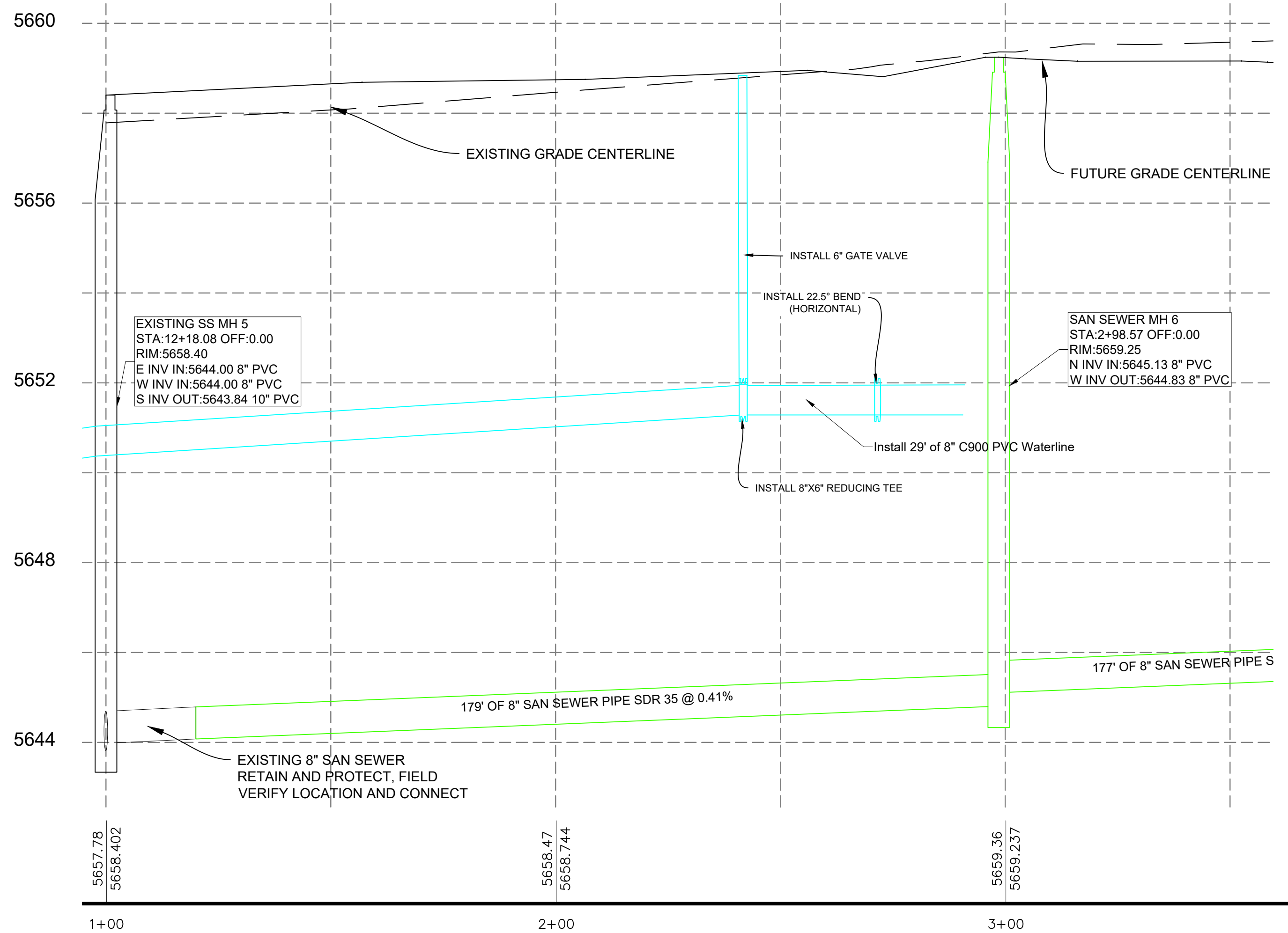
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SEWER PLAN AND PROFILE 1 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND	
EXIST / PROP	
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMCO
	GB - GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

UTILITY NOTES:

- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"x8"x8" TEE. FIELD VERIFY LOCATION.
- (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
- (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
- (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
- (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
- (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
- (100-7) INSTALL 8" X 8" TEE
- (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
- (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
- (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
- (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
- (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
- (200-1) CONNECT TO EXISTING 6" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
- (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
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- (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

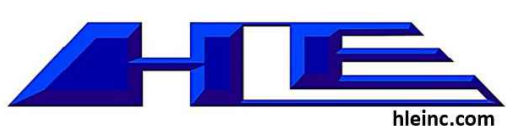
TRENCHING AND UTILITY GENERAL NOTES:

- RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.
- TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.
- RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

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LAKE JOHNSON
RUNNING ASBUILT
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JUNE 13, 2022
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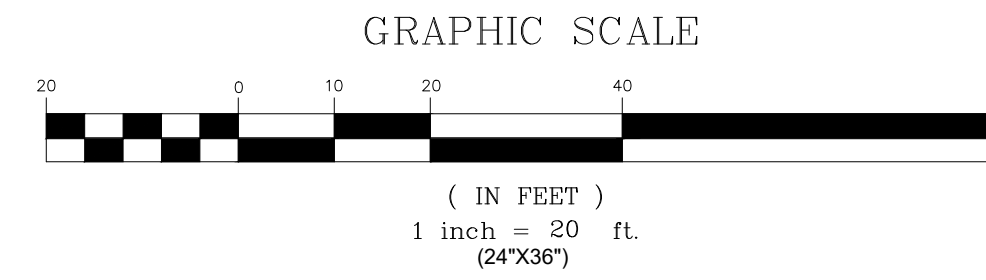
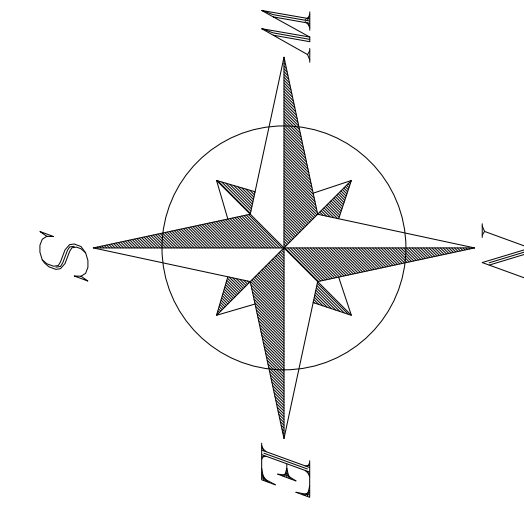
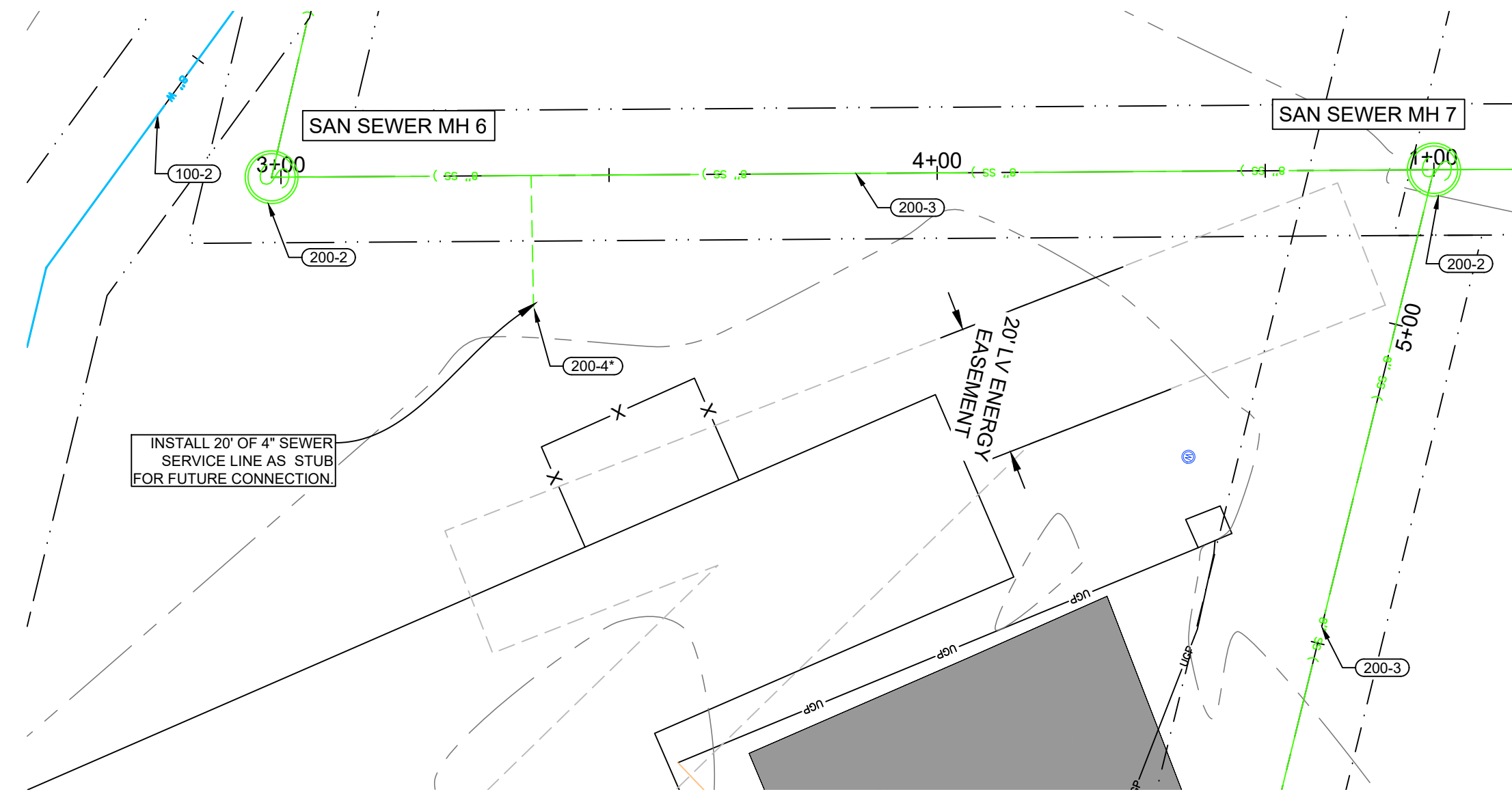
Alpine Flats	
West Side of U.S. HWY 26 Alpine WY 83128	
SEWER PLAN & PROFILE 1	
Issue	DESCRIPTION

20-535

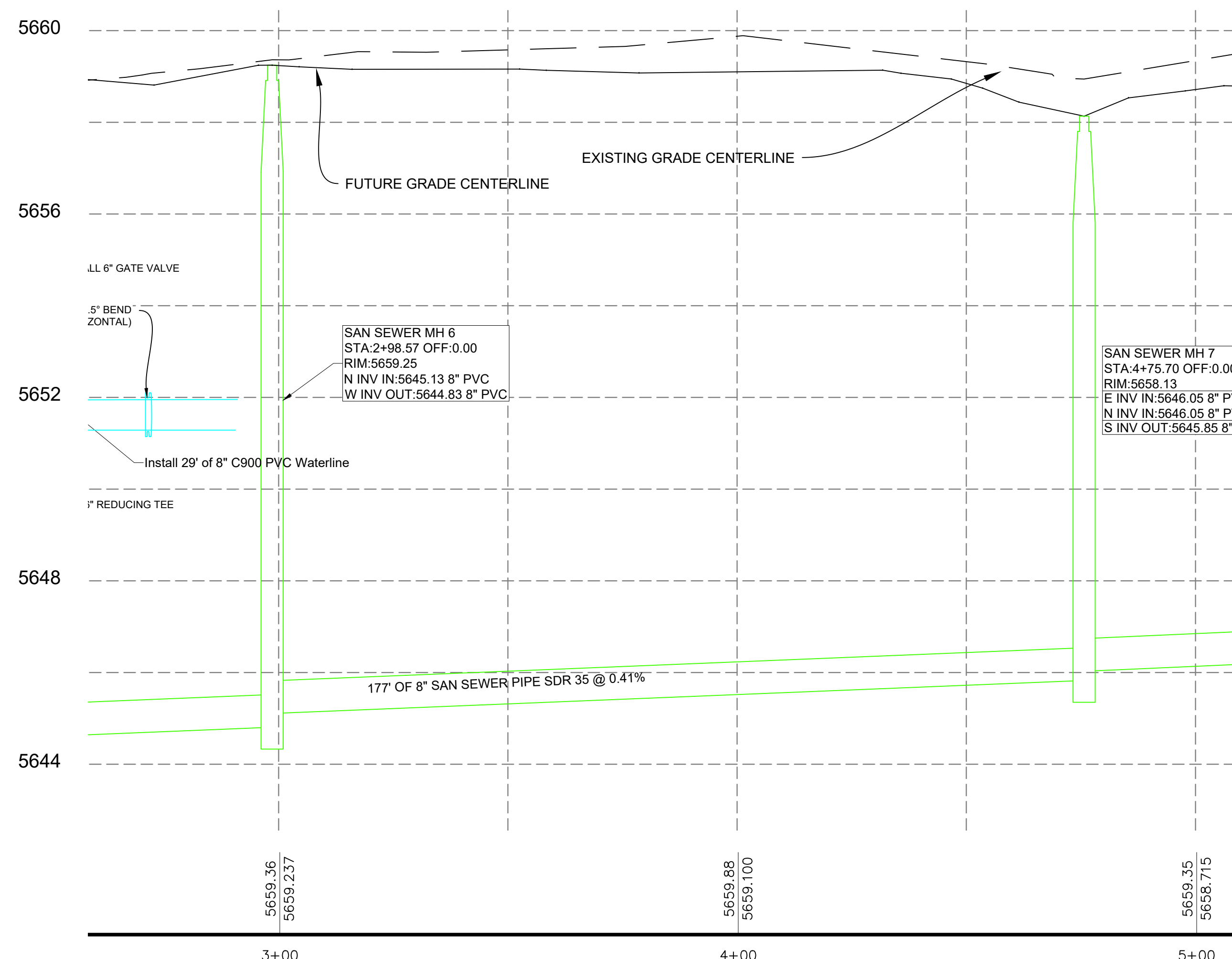
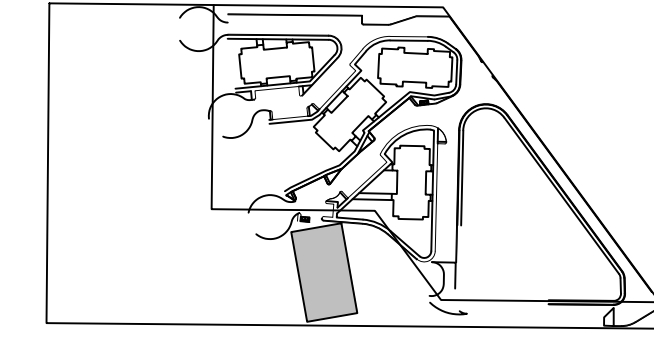
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SEWER PLAN AND PROFILE 2 FOR: THE FLATS AT ALPINE JUNCTION



LEGEND	
EXST / PROP	
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDRGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



- UTILITY NOTES:**
- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"X8" TEE. FIELD VERIFY LOCATION.
 - (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
 - (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
 - (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
 - (100-7) INSTALL 8" X 8" TEE
 - (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
 - (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
 - (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
 - (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
 - (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
 - (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
 - (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
 - (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.

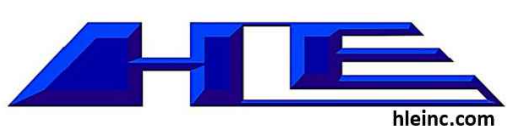
TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.

RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

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305 1st STREET, Idaho Falls, ID 83401
PH: 208.757.5700

Professional Engineer
Michael Joy
RUNNING ASBUILT
MARCH 2, 2023
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JUNE 13, 2022
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H/E, INC.
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Alpine Flats West Side of U.S. Hwy 26 Alpine WY 83128	
SEWER PLAN & PROFILE 2	
Issue	ID DATE DESCRIPTION

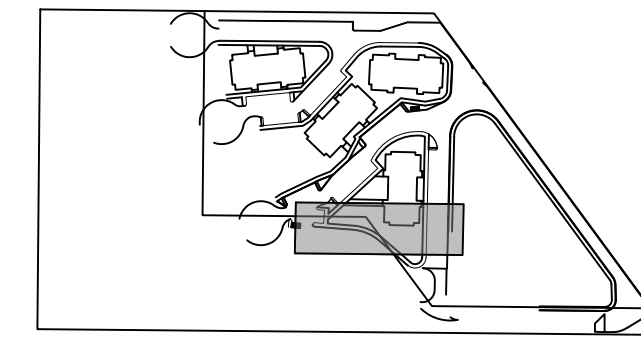
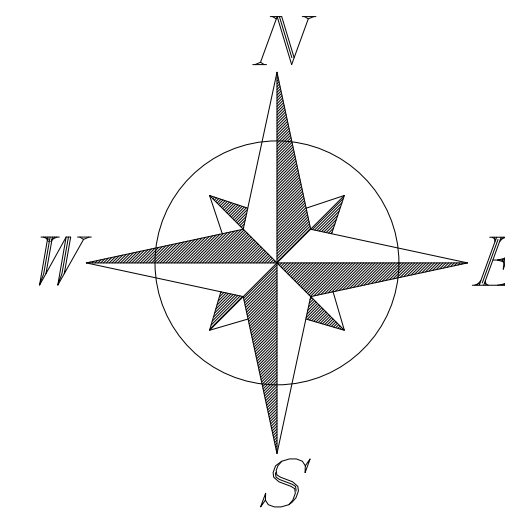
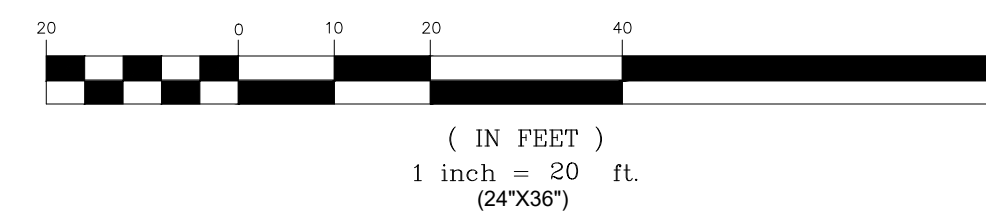
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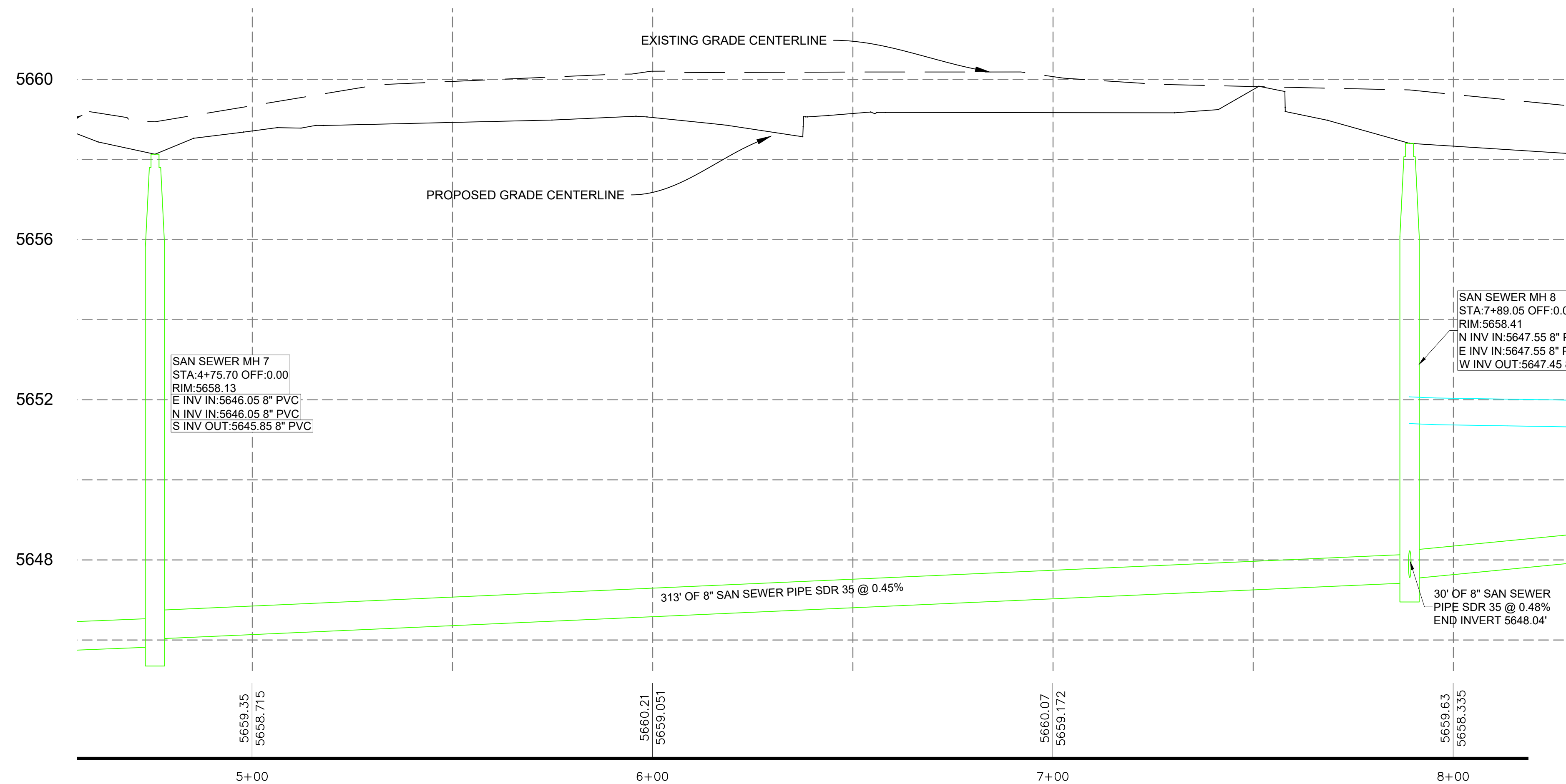
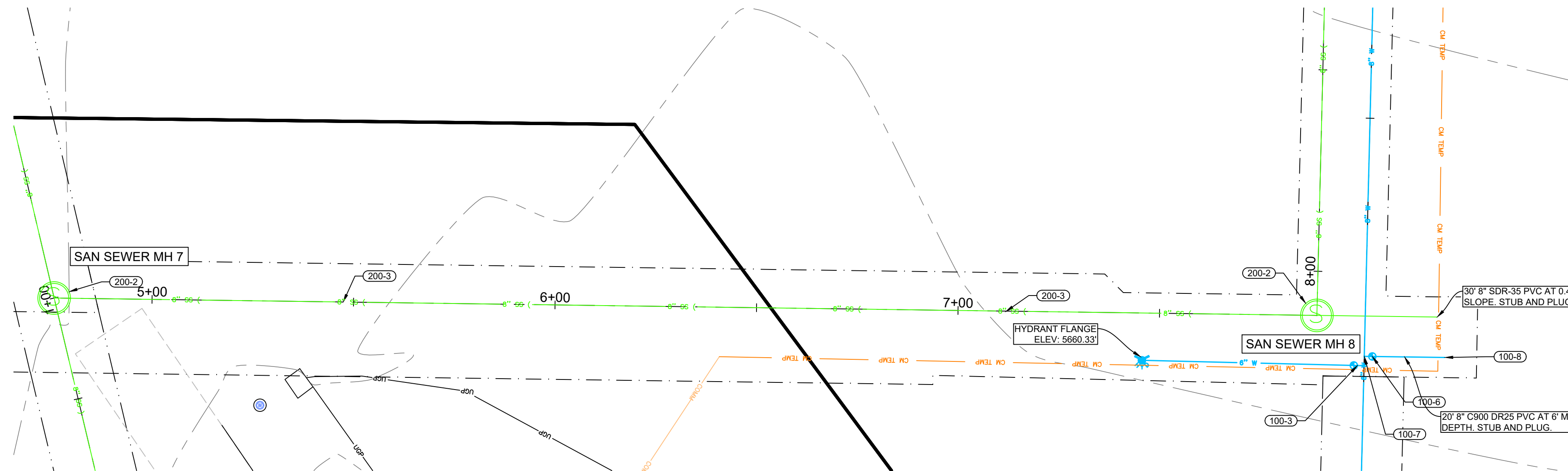
SEWER PLAN AND PROFILE 3

THE FLATS AT ALPINE JUNCTION

GRAPHIC SCALE



LEGEND	
EXST / PROP	
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDRGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



UTILITY NOTES:

- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"x8"x8" TEE. FIELD VERIFY LOCATION.
- (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
- (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
- (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
- (100-5) INSTALL 2 1/2" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
- (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
- (100-7) INSTALL 8" X 8" TEE
- (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
- (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
- (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
- (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
- (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
- (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
- (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
- (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
- (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
- (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

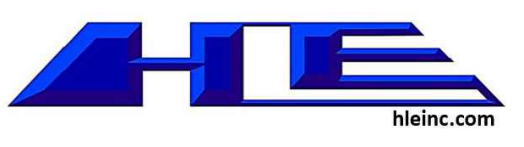
TRENCHING AND UTILITY GENERAL NOTES:

- RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.
- TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.
- RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

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Professional Engineer
Michael Joy
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Alpine Flats	
West Side of U.S. Hwy 26 Alpine WY 83128	
SEWER PLAN & PROFILE 3	
Issue	ID DATE DESCRIPTION

20-535

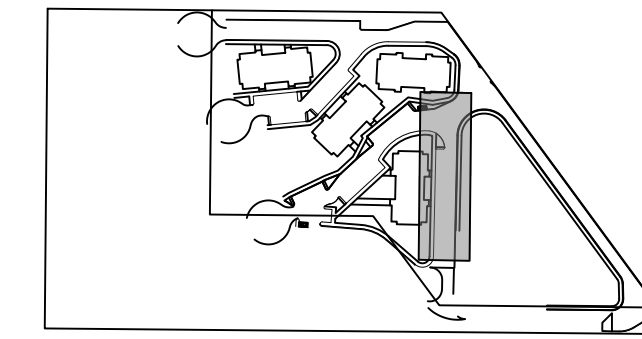
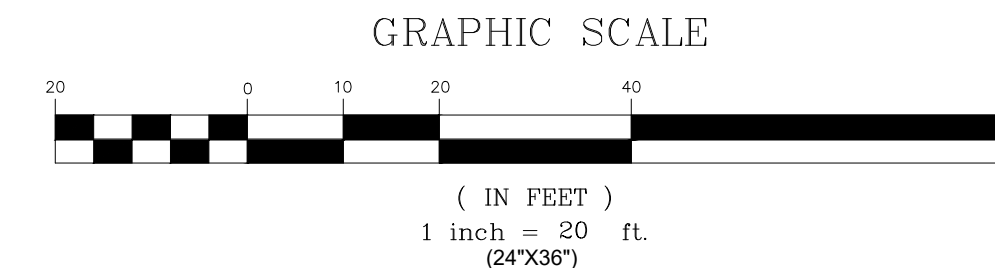
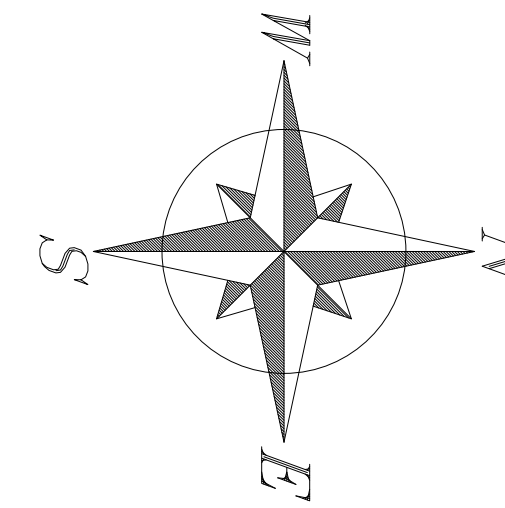
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HORIZONTAL SCALE 1"=20'
 VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

SEWER PLAN AND PROFILE 4

THE FLATS AT ALPINE JUNCTION



LEGEND

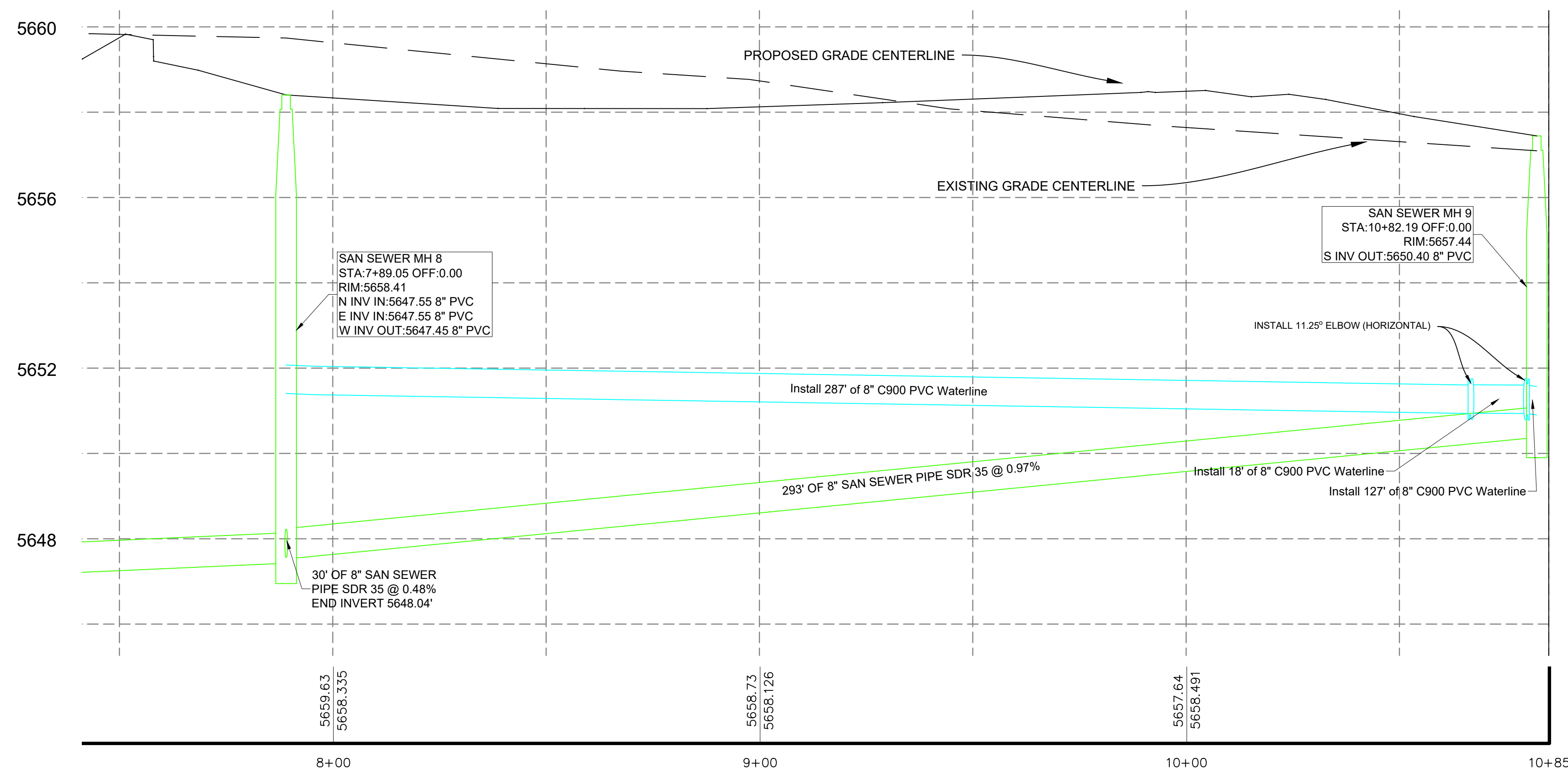
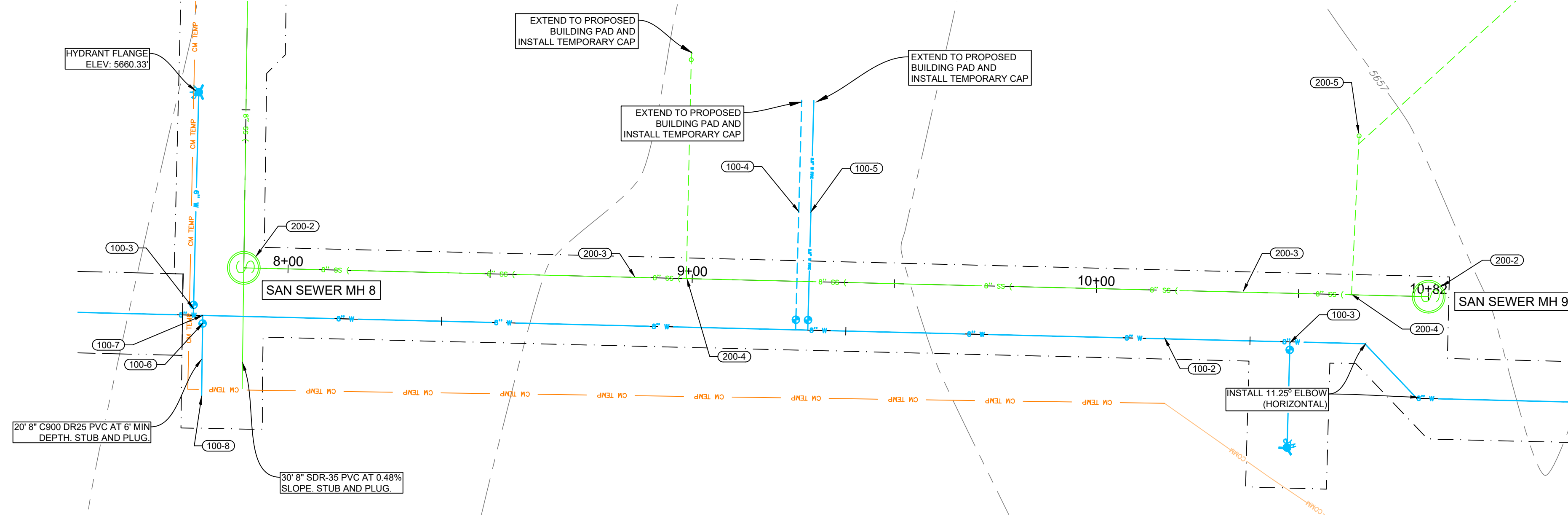
EXST / PROP

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- CATCH BASIN
- STRM MANHOLE
- SAN SWR MANHOLE
- POWER POLE
- LIGHT POLE

PROPERTY LINE

- EASEMENT LINE
- STREET RIGHT-OF-WAY
- SAW CUT LINE
- RD CENTER LINE
- FENCE LINE
- CROSS ACCESS EASEMENT

10\"/>



HORIZONTAL SCALE 1"=20'
 VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

- #### UTILITY NOTES:
- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"X8" TEE. FIELD VERIFY LOCATION.
 - (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6" MIN COVER.
 - (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
 - (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
 - (100-7) INSTALL 8" X 8" TEE
 - (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6" MIN COVER.
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 - (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
 - (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
 - (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
 - (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
 - (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUATION.
 - (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.

TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.

RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

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CIVIL
 HLE, INC.
 101 S PARK AVE #210
 IDAHO FALLS, ID 83402
 PHONE: (208) 524-0212

Alpine Flats
 West Side of U.S. Hwy 26 Alpine WY 83128

SEWER PLAN & PROFILE 4

Issue	ID	DATE	DESCRIPTION

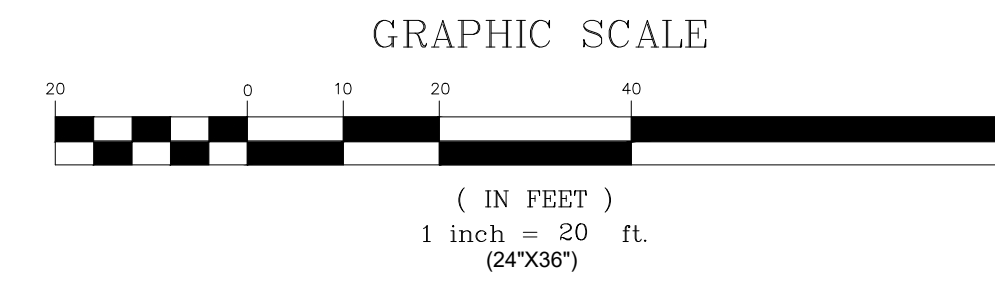
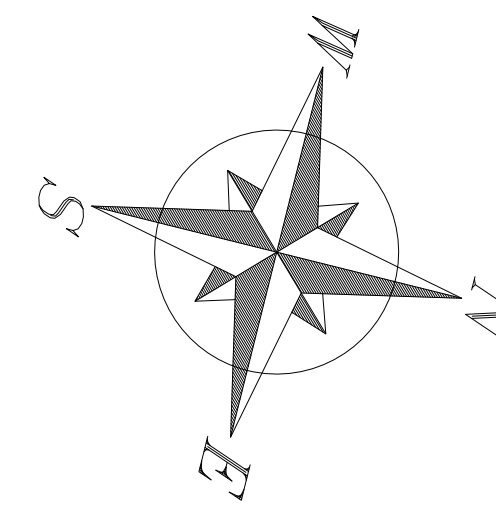
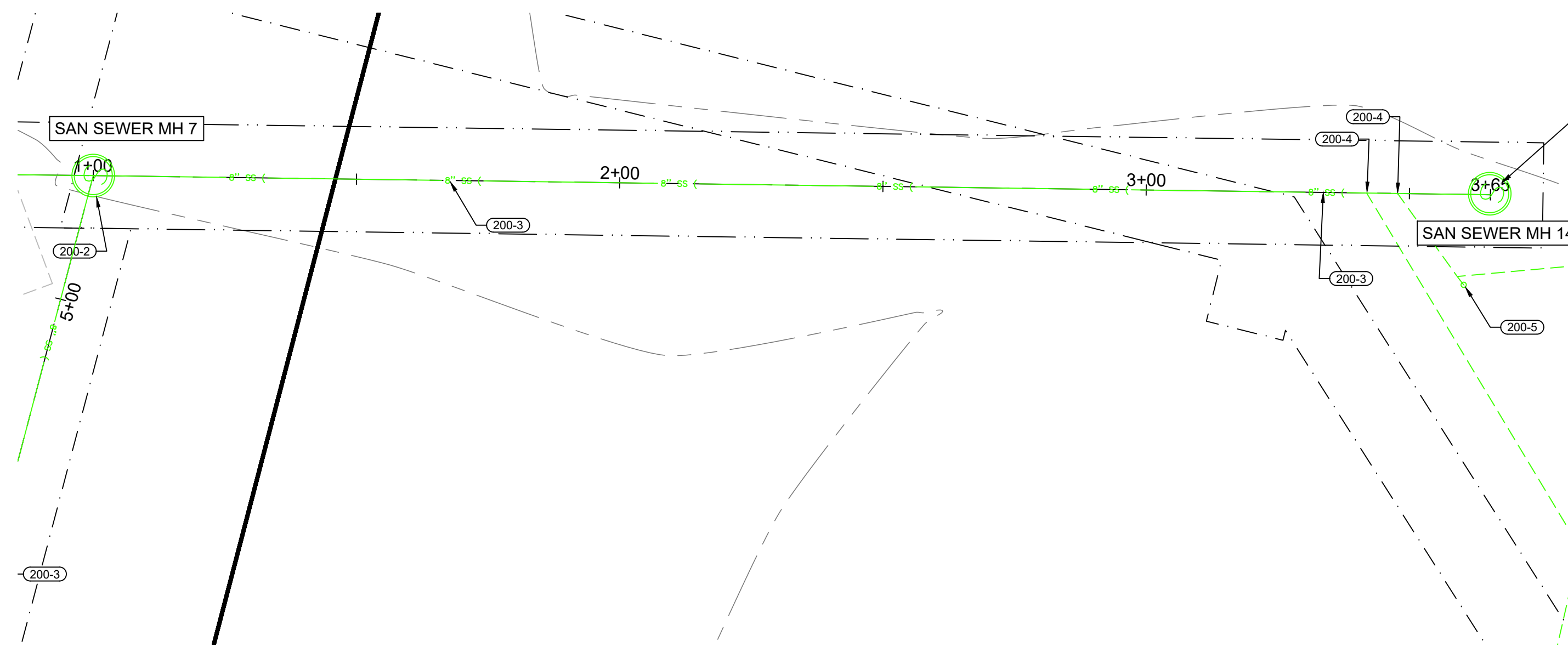
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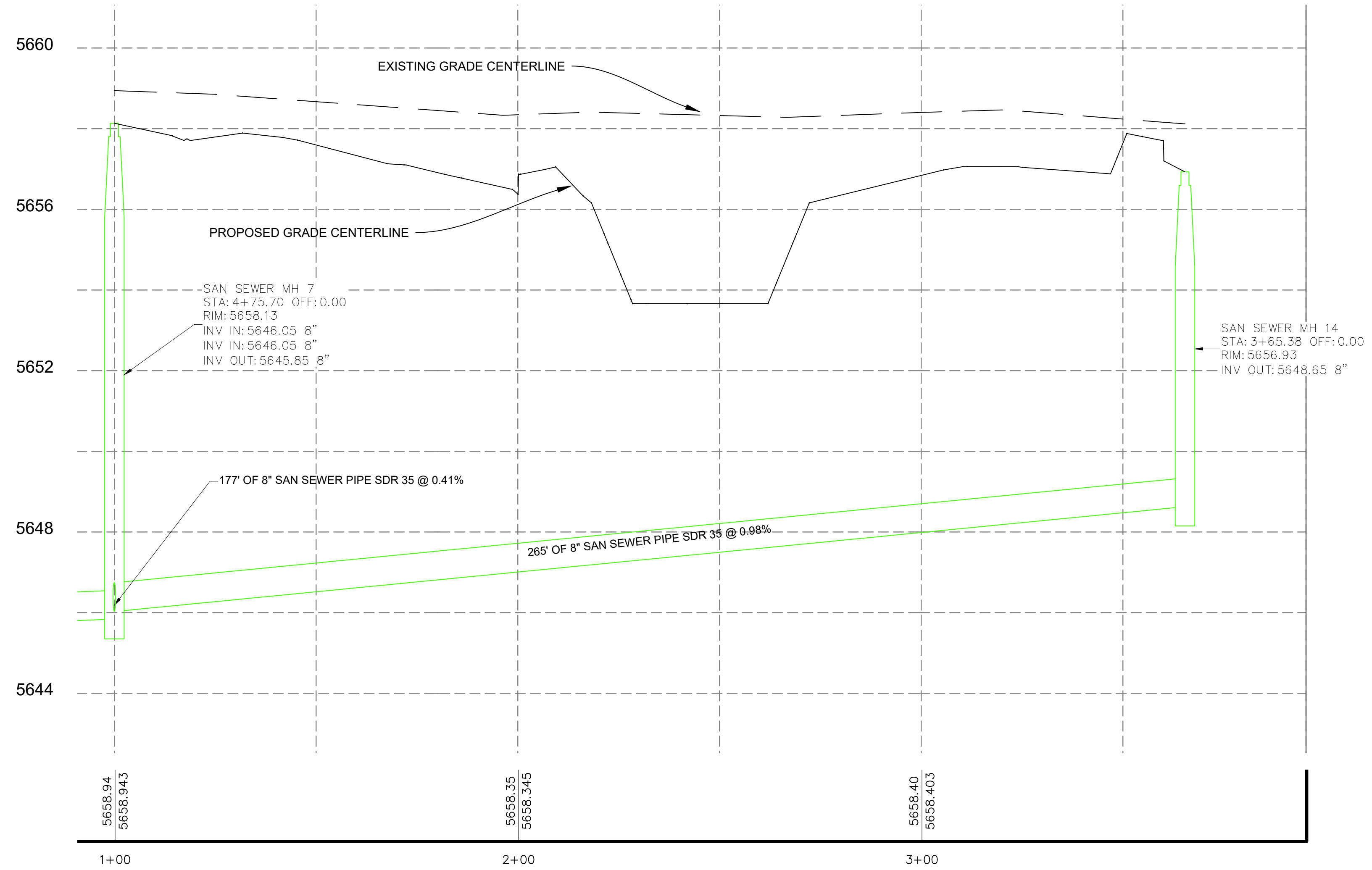
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SEWER PLAN AND PROFILE 5



LEGEND	
EXIST / PROP	DESCRIPTION
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	WATER SERVICE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDERGROUND POWER
	COMMUNICATION LINE
	GAS LINE
	GAS LINE
	CONTOURS
	DEMO
	G8 - GRADE BREAK
	GB - BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3



HORIZONTAL SCALE 1"=20'
 VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

- UTILITY NOTES:**
- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 8"x8"x8" TEE. FIELD VERIFY LOCATION.
 - (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6" MIN COVER.
 - (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02845-01.
 - (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665-01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
 - (100-7) INSTALL 8" X 8" TEE
 - (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6" MIN COVER.
 - (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
 - (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
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 - (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUANCE.
 - (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

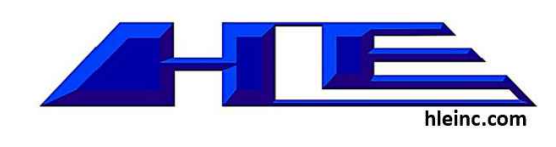
RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.

TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.

RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

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Alpine Flats
 West Side of U.S. HWY 26 Alpine WY 83128

SEWER PLAN & PROFILE 5

Issue	ID	DATE	DESCRIPTION

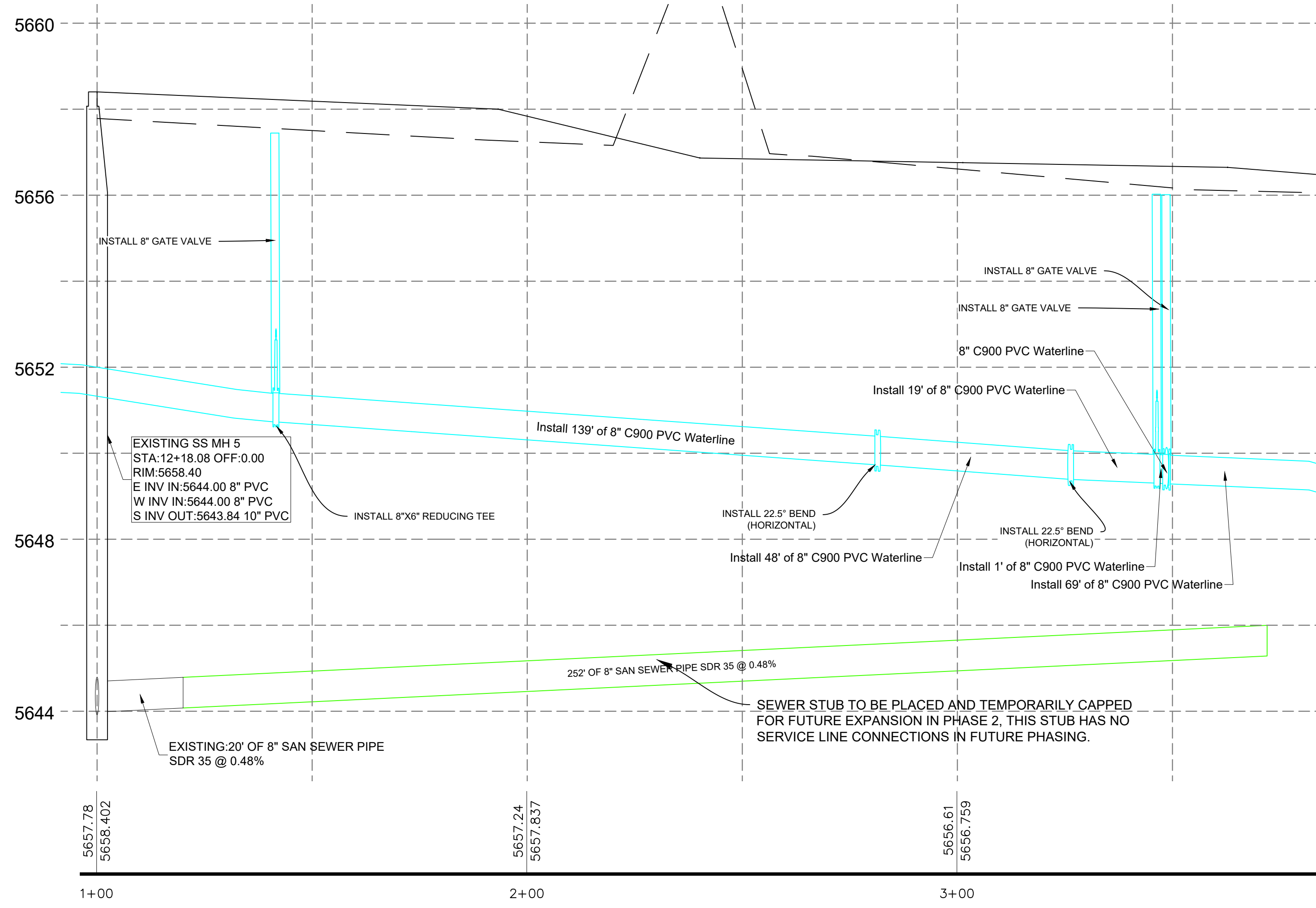
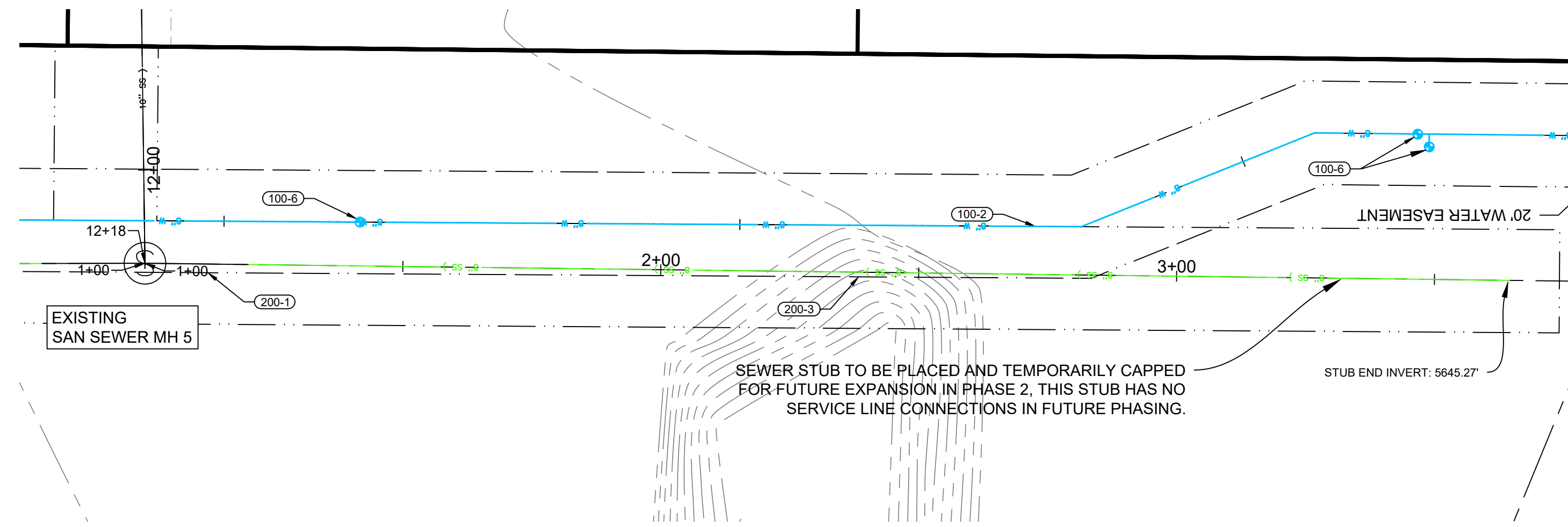
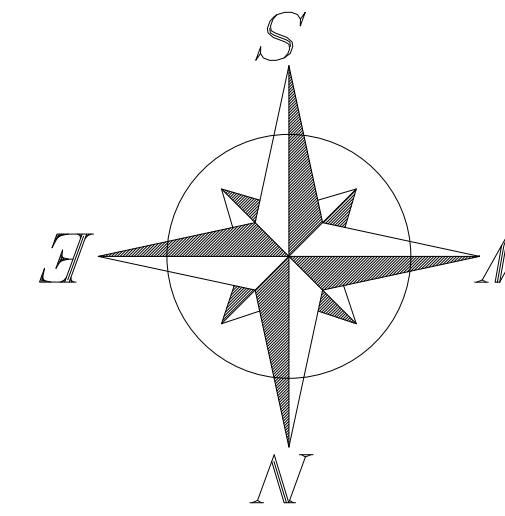
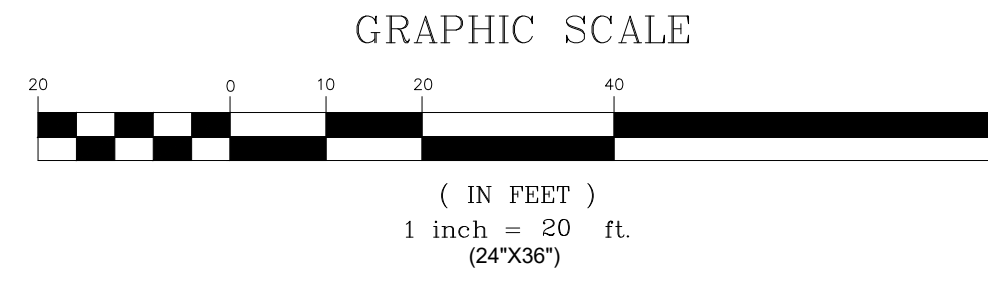
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SEWER PLAN AND PROFILE 6 FOR: THE FLATS AT ALPINE JUNCTION



HORIZONTAL SCALE 1"=20'
VERTICAL SCALE 1"=2' (10X VERTICAL EXAGGERATION)

LEGEND

EXST / PROP	DESCRIPTION
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	CATCH BASIN
	STRM MANHOLE
	SAN SWR MANHOLE
	POWER POLE
	LIGHT POLE
	PROPERTY LINE
	EASEMENT LINE
	STREET RIGHT-OF-WAY
	SAW CUT LINE
	RD CENTER LINE
	FENCE LINE
	CROSS ACCESS EASEMENT
	WATER LINE
	STRM SWR LINE
	SAN SWR LINE
	SAN SWR SERVICE
	OVERHEAD POWER
	UNDRGRND POWER
	COMMUNICATION LINE
	GAS LINE
	CONTOURS
	DEMO
	GRADE BREAK
	BUILDING
	LANDSCAPING
	CONCRETE
	ASPHALT
	GRAVEL
	OPEN WATER
	PHASE 2
	PHASE 3

- #### UTILITY NOTES:
- (100-1) CONNECT TO EXISTING 8" WATER MAIN WITH 6"x8"x8" TEE. FIELD VERIFY LOCATION.
 - (100-2) INSTALL 8" C900 DR18 PVC WATER MAIN LINE AT 6' MIN COVER.
 - (100-3) INSTALL FIRE HYDRANT ASSEMBLY AND 6" GATE VALVE PER WPWSS STD. DWG. NO. 02645-01.
 - (100-4) INSTALL 2" COMMERCIAL WATER SERVICE PER WPWSS STD. DWG. NO. 02665.01 WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER. SEE PLUMBING SUPPLY MAIN FLOOR PLAN FOR DETAILS.
 - (100-5) INSTALL 2.5" MIN. FIRE WATER LINE PER WPWSS/ FIRE CODE WITH TRAFFIC RATED VALVE COVER AND INTERIOR METER AS REQUIRED BY TOWN. SEE FIRE SPRINKLER PLAN FOR CONTINUANCE.
 - (100-6) INSTALL 8" GATE VALVE PER WPWSS 02665 D.
 - (100-7) INSTALL 8" X 8" TEE
 - (100-8) INSTALL 8" C900 DR18 WATER STUB AND TEMPORARILY PLUG FOR USE IN FUTURE PHASING.
 - (100-9) INSTALL 8" X 8" X 6" REDUCING TEE AND VALVE AND PLUG FOR HYDRANT IN FUTURE PHASING.
 - (100-10) INSTALL 6" C900 DR18 WATER MAIN LINE AT 6' MIN COVER.
 - (100-11) INSTALL 6" GATE VALVE PER WPWSS 02665 D.
 - (100-12) INSTALL 10" OR LARGER DR-26 C900 CASING. EXTEND 5' BEYOND EDGE OF OIL OR EXISTING UTILITY.
 - (200-1) CONNECT TO EXISTING 8" SANITARY SEWER STUB. FIELD VERIFY LOCATION.
 - (200-2) INSTALL 48" TYPE A MANHOLE WITH FRAME AND COVER PER DETAIL ON DETAILS 2 AND WPWSS 02700.
 - (200-3) INSTALL 8" SDR35 OR GREATER SANITARY SEWER PIPE AT MINIMUM 0.48% SLOPE.
 - (200-4) INSTALL 6" SANITARY SEWER SERVICE PER DETAIL ON DETAILS 1 AND WPWSS STD. DWG. NO. 02700-04. SEE PLUMBING WASTE MAIN FLOOR PLAN FOR CONTINUANCE.
 - (200-5) INSTALL 6" TRAFFIC RATED SEWER CLEANOUT PER WPWSS STD. DWG. NO. 02700-06.

TRENCHING AND UTILITY GENERAL NOTES:

RETAIN AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED ON EXISTING/DEMO SHEET.

TRENCH AND BACKFILL PER WPWSS STD. DWG. NO. 02220-01 WITH TYPE A BACKFILL PER WPWSS 02225.

RESTRAIN ALL VERTICAL AND HORIZONTAL FITTINGS AND VALVES WITH THRUST BLOCKS PER WPWSS STD. DWGS. NO. 02665-02, 02665-03, 02665-04.

305 1st STREET,
Idaho Falls, ID 83401
PH: 208.757.5700

Professional Engineer
Lance J. J...
RUNNING ASBUILT
MARCH 2, 2023
ORIGINAL APPROVAL
JUNE 13, 2022
WYOMING

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Alpine Flats
West Side of U.S. Hwy 26 Alpine WY 83128

SEWER PLAN & PROFILE 6

Issue	ID	DATE	DESCRIPTION

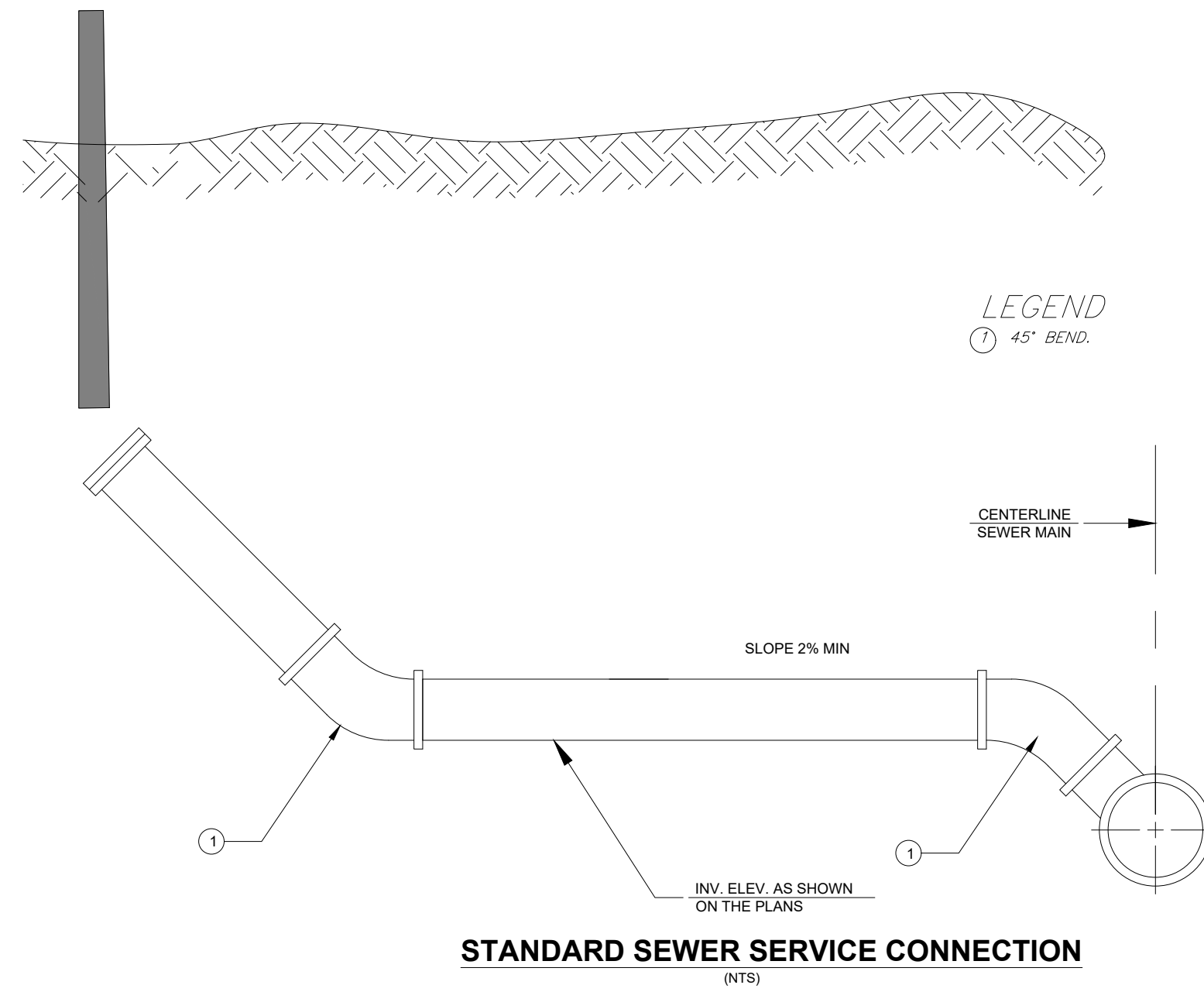
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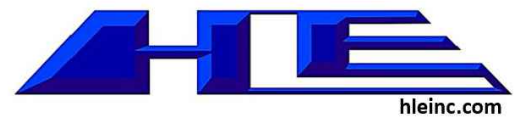
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DETAILS 3 FOR: THE FLATS AT ALPINE JUNCTION



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DETAILS 1

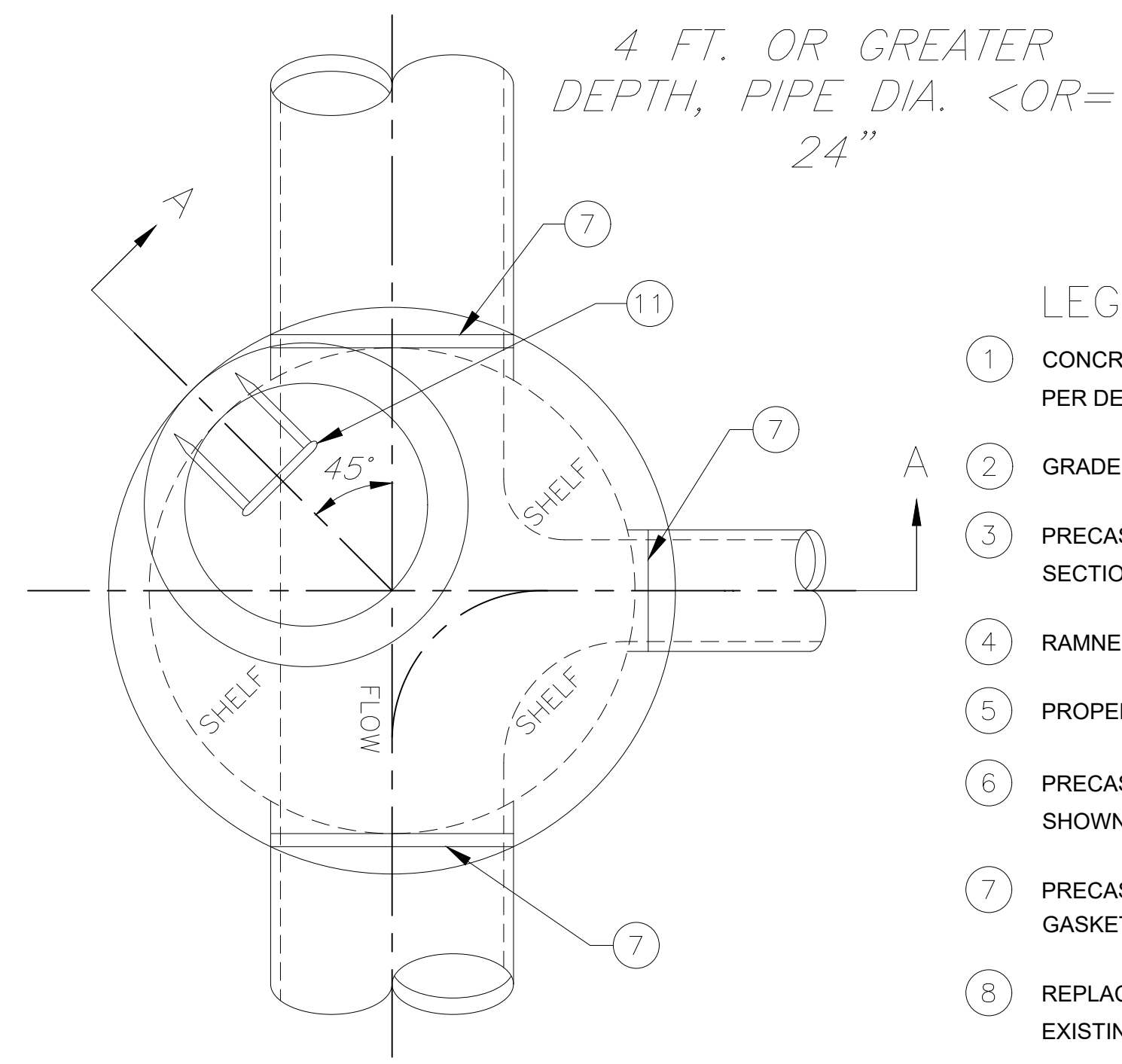
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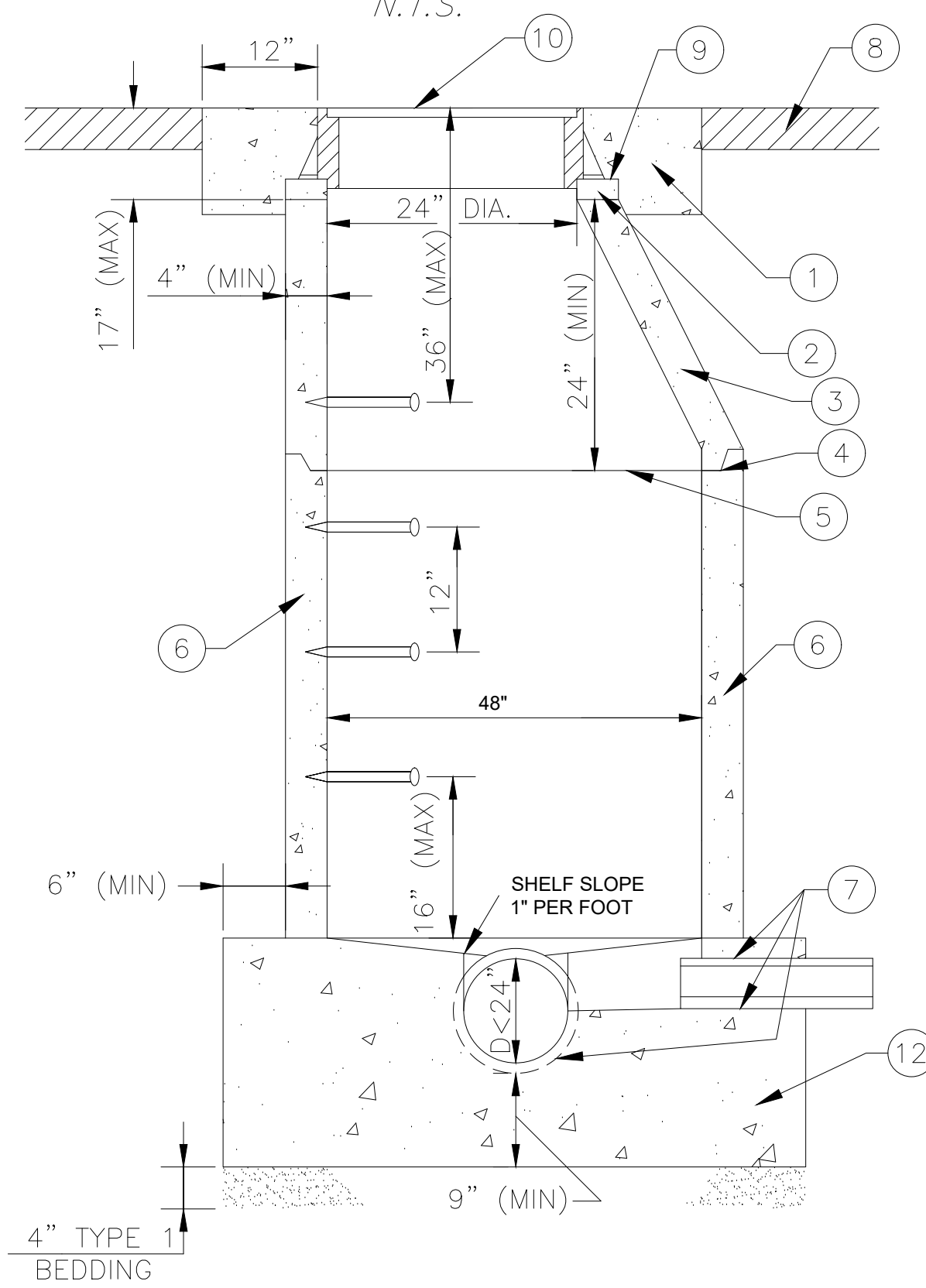
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DETAILS 4 FOR: THE FLATS AT ALPINE JUNCTION

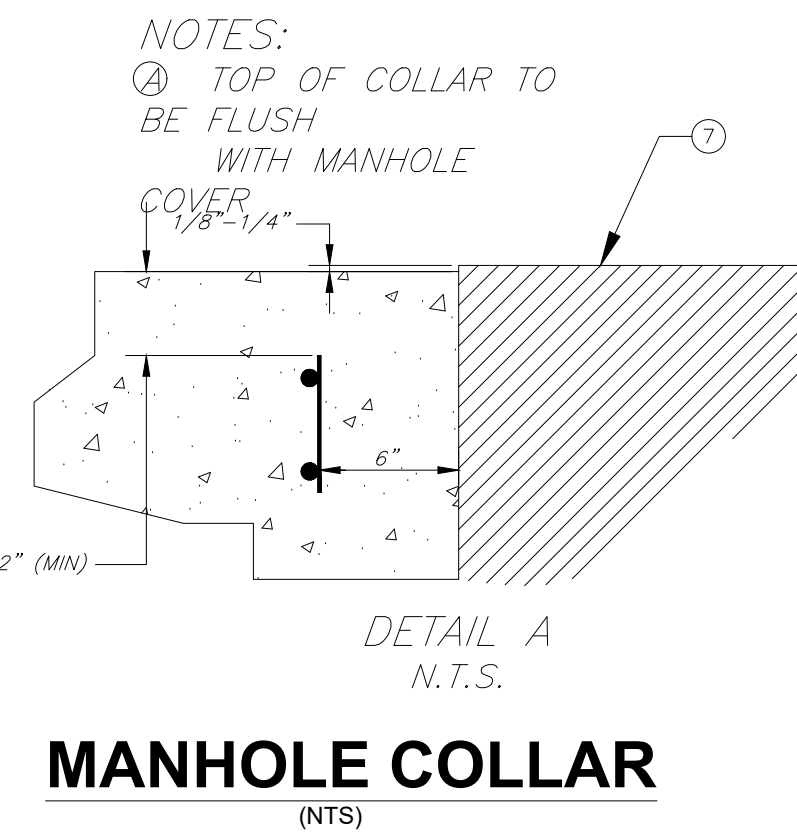
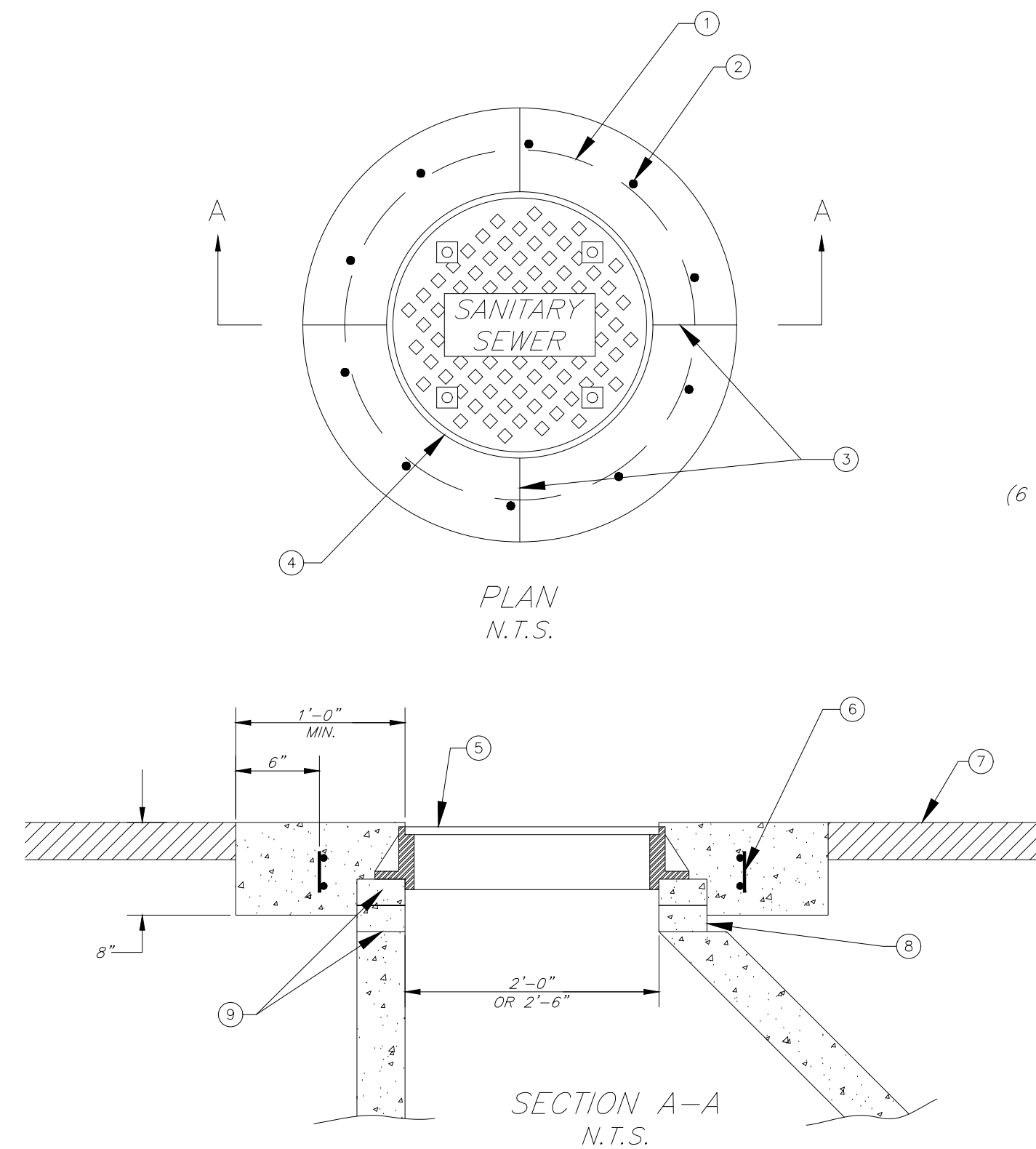


- LEGEND**
- ① CONCRETE COLLAR IN PAVED STREET SECTIONS PER DETAIL.
 - ② GRADE RINGS GROUTED WATERTIGHT IN PLACE.
 - ③ PRECAST MONOLITHIC ECCENTRIC CONE SECTION. (REBAR NOT SHOWN.)
 - ④ RAMNEK OR APPROVED SEALANTS ALL JOINTS.
 - ⑤ PROPERLY ALIGN ALL INTERIOR JOINTS.
 - ⑥ PRECAST CONCRETE MANHOLE (REBAR NOT SHOWN).
 - ⑦ PRECAST GASKETED HUB RING OR RUBBER GASKETED COLLAR-FLEXIBLE AND WATER TIGHT.
 - ⑧ REPLACEMENT SURFACING TO MATCH FLUSH WITH EXISTING SURFACING (AC SHOWN).
 - ⑨ FRAME TO BE GROUTED TO GRADE RINGS.
 - ⑩ FRAME AND COVER PER SD-507.
 - ⑪ MANHOLE STEPS.
 - ⑫ CAST IN PLACE OR PRECAST CONCRETE.

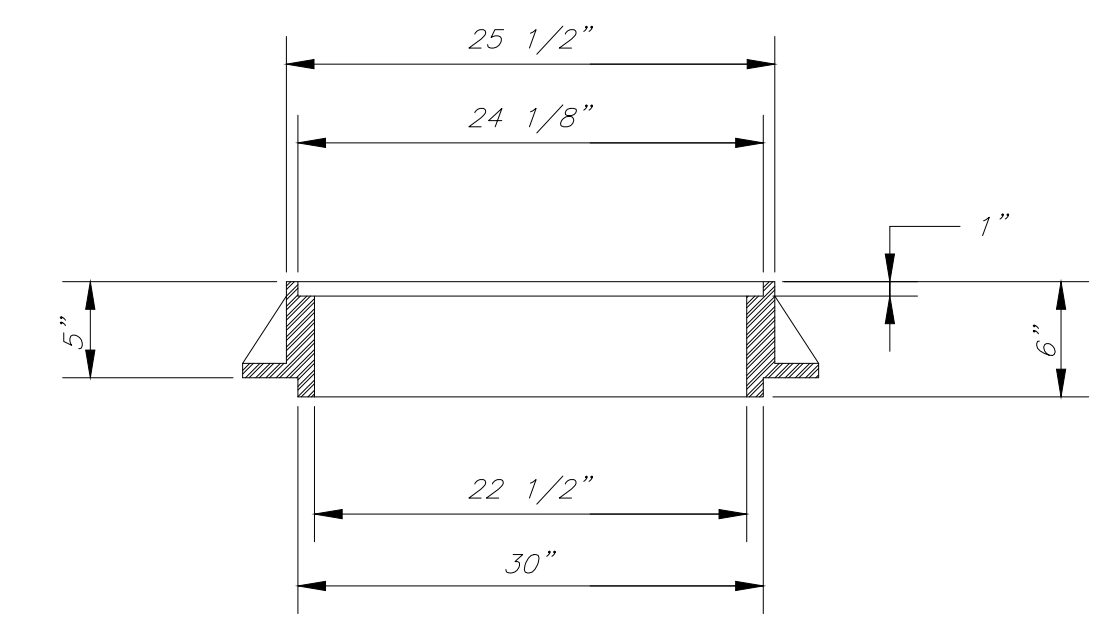
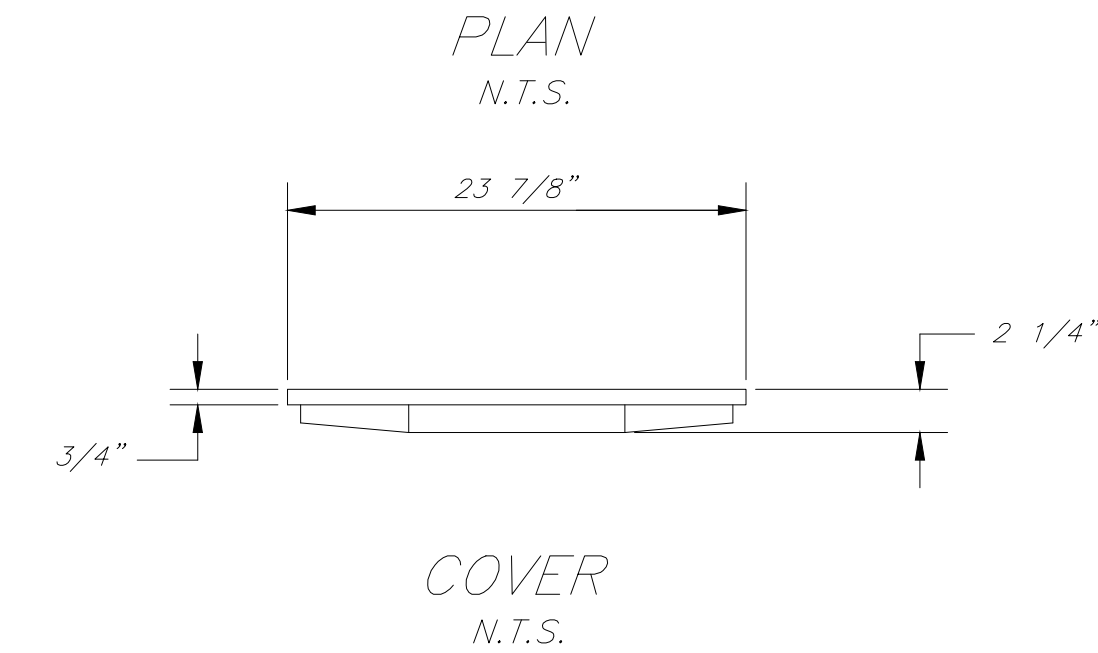
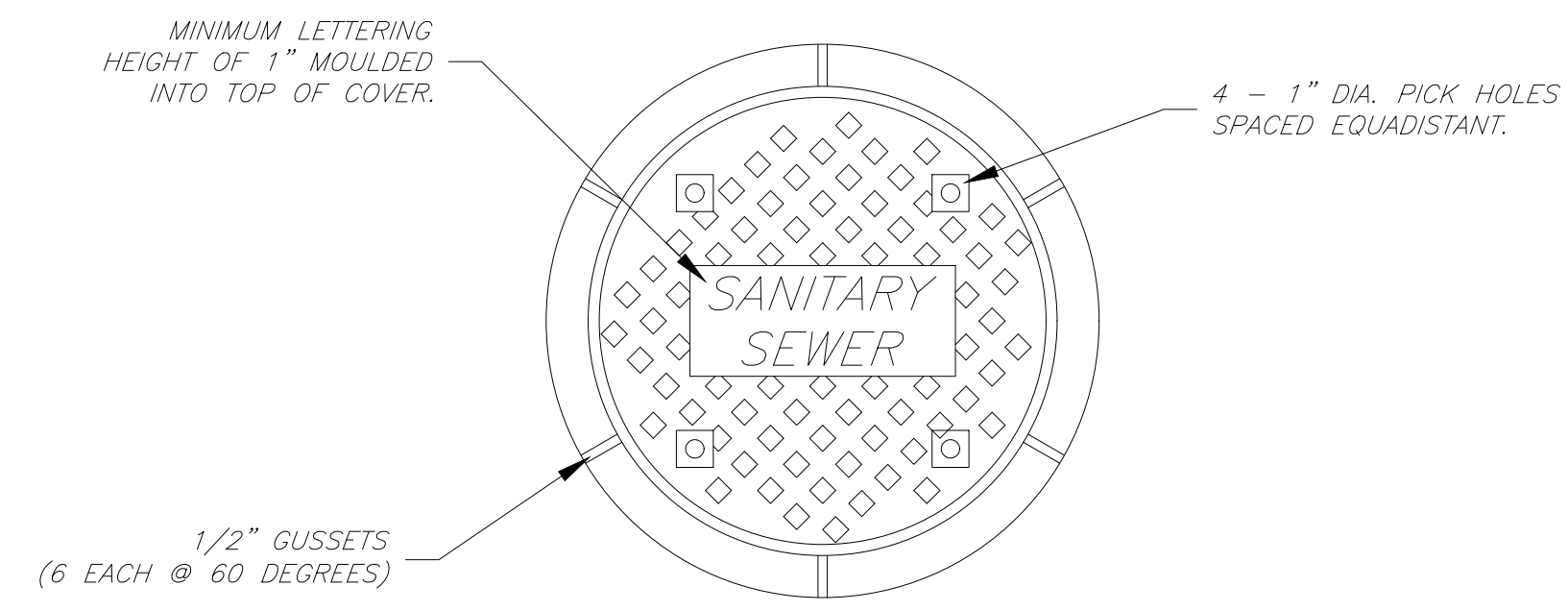


- NOTES:**
- (A) OPTIONAL CAST-IN-PLACE MANHOLE BASE WITH APPROVED PIPE CONNECTIONS MAY BE USED WITH ENGINEERS APPROVAL.
 - (B) PLACE VERTICAL WALL IN UPSTREAM SIDE OF MANHOLE, ROTATED 45 DEGREES.
 - (C) NA
 - (D) MANHOLE FRAME AND COVER:
A. REFER TO DETAIL
B. FRAME AND COVER SHALL BE FLUSH WITH SLOPE OF PAVEMENT.
 - (E) GRADE RINGS NOT TO EXCEED 1-FOOT IN HEIGHT.
 - (F) WHERE PVC PIPE IS UTILIZED, INSTALL A RUBBER RING OR GASKET COLLAR WHERE THE PIPE IS IN CONTACT WITH MANHOLE BASE AND/OR MANHOLE CHANNEL, IN ORDER TO INSURE A WATERTIGHT SEAL.
 - (G) NA
 - (H) PROVIDE MANHOLE CONCRETE REINFORCING TO ACCOMMODATE H-20 TRAFFIC LOADINGS.

STANDARD MANHOLE TYPE A (NTS)

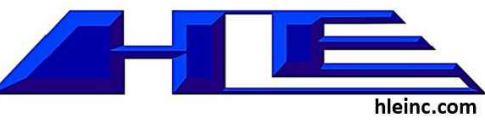


- LEGEND**
- ① #4 REBAR HOOPS (2 EACH) SEE SECTION A-A.
 - ② #4 REBAR AT 20" SPACING.
 - ③ SCORES.
 - ④ RIM.
 - ⑤ FRAME AND COVER PER DETAIL ON DETAILS.
 - ⑥ SEE "DETAIL A" FOR REBAR IN COLLAR.
 - ⑦ FINISH GRADE.
 - ⑧ SEE OTHER STANDARD DRAWINGS OF MANHOLES FOR MAXIMUM HEIGHT.
 - ⑨ GROUT BETWEEN RING AND COVER AND GRADE RINGS.



MANHOLE FRAME AND COVER

- NOTES:**
- A MANHOLE FRAMES AND COVERS TO HAVE A TOLERANCE OF 1/4" OR LESS.
 - B COVERS NOT TO BE WARPED. REPLACE ALL THAT RATTLE OR VIBRATE WHEN TRAVELED UPON. MACHINE ALL MATCHING SURFACES.
 - C MINIMUM WEIGHT OF FRAME AND COVER=251 LBS.



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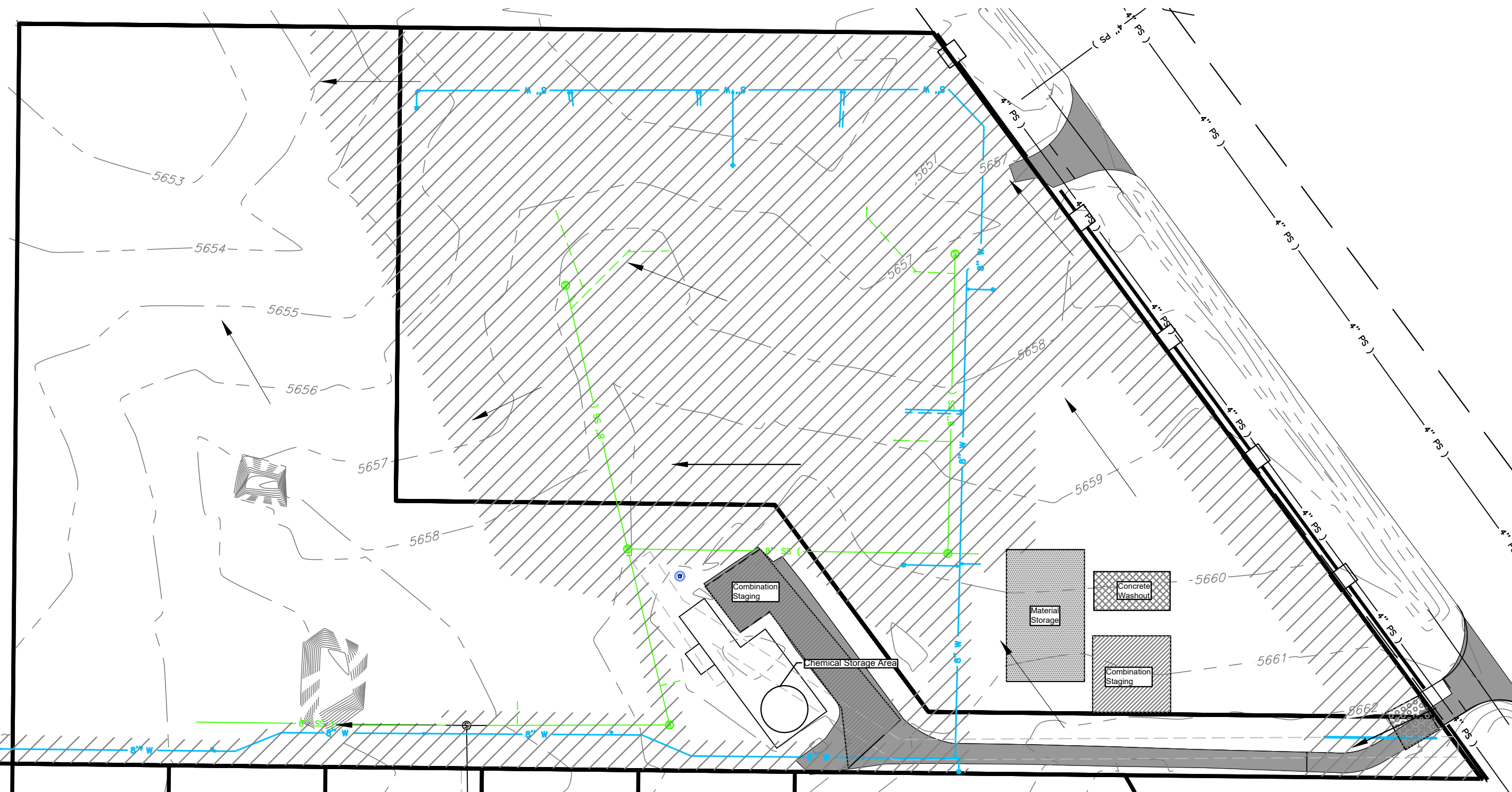
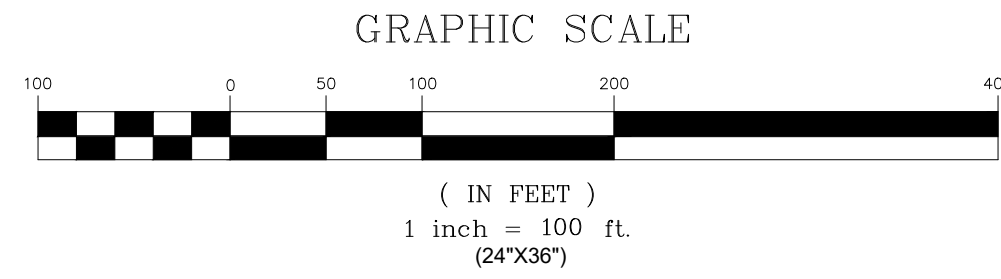
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DETAILS 2	
Issue	DESCRIPTION

20-535

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BMP LAYOUT FOR: THE FLATS AT ALPINE JUNCTION



LEGEND

- | | | | | | |
|--|------------------------------|--|---|--|--|
| | SILT FENCE | | MATERIALS STORAGE AREA & STOCKPILE MANAGEMENT | | AREA TO BE DISTURBED |
| | Catch Basin Inlet Protection | | SEDIMENTATION AREA | | STABILIZE CONSTRUCTION ENTRANCE/EXIT |
| | Wadell Filter Sock | | CONCRETE WASHOUT | | COMBINATION STAGING AREA & VEHICLE EQUIPMENT CLEANING, FUELING AND MAIN. |
| | STORM WATER DRAINAGE | | | | |
| | EXISTING CONTOURS | | | | |
| | PROPOSED CONTOURS | | | | |

OFFSITE OPERATIONS	
START DATE	END DATE

TO BE FILLED OUT BY CONTRACTOR

SEQUENCE OF MAJOR ACTIVITIES		
ACTIVITY	START DATE	END DATE

TO BE FILLED OUT BY CONTRACTOR

POTENTIAL POLLUTANTS		
CHEMICAL	MSDS #	

TO BE FILLED OUT BY CONTRACTOR

BEST MANAGEMENT PRACTICES NOTES

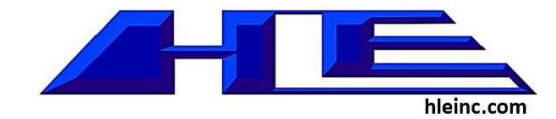
- This plan should be revised and updated to address changes in site conditions, new or revised government regulations, and additional on-site storm water pollution. Additional erosion control measures may be required.
- All revisions to this plan must be documented on the SWPPP Revision Documentation Form.
- Current versions of the SWPPP, the NOI, and the NOC will be kept on site for the duration of the project. These items will be available for the use of all operators and site personal involved with erosion and sediment controls, and be available to EPA visiting the site. A notice will be posted near the construction entrance during construction, containing the SWPPP, the NOI and the NOC.
- Fugitive dust blowing from the site shall be controlled by spraying water and dust control polymers as needed on dry areas of the site.
- The contractor will be responsible for supervision and inspection of all erosion and sedimentation controls and for ensuring the SWPPP is implemented.
- Prior to beginning earth-moving activities, including clearing and grubbing, all clearing limits, easements, setbacks, sensitive areas and their buffers will be clearly marked to prevent environmental damage both on and off the site.
- If sediment is accidentally transported on to the street it will be removed from the street surface on a daily basis.
- All off-site construction shall be stabilized at the end of the working day.
- All waste material will be collected and stored in a securely lidded dumpster. The dumpster will meet all local and state solid water management regulations.
- Portable sanitary units will be provided for use by all workers for the entire project. Sanitary waste will be collected regularly for the portable units by an approved sanitary waste management contractor.
- All exposed soils will be stabilized with vegetation or covered no more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
- Existing and new vegetation will be maintained to the maximum extent practicable to prevent the contamination of storm water with sediment.
- The contractor shall be responsible for adjusting the erosion control measure; due to grade changes during the development of the project.
- Maintain on the site or have readily available sufficient oil and grease absorbing materials to contain and clean up fuel or chemical spills and leaks.
- Adequate energy dissipation, erosion control, and soil stabilization measures will be provided for all point source discharges of storm water, including run-on discharges and outlets for onsite discharges.
- Temporary and permanent swells and small detention ponds will be used as necessary to reduce the velocity of runoff and enhance particle settling.
- Consistent with the general permit requirements, all potential pollutants other than sediment will be handled and disposed of in a manner that does not affect contamination of stormwater.
- Materials used during construction with the potential to impact storm water, will be stored, managed, used, and disposed of in a manner that minimizes the potential for releases to the environment and especially in the storm water.
- If a spill of pollutants threatens storm water at the site, the spill response procedures must be implemented in a timely manner to prevent the release of pollutants.
- All temporary and permanent erosion and sediment control BMPs will be maintained and repaired as needed to assure continued performance of their intended use.
- All temporary erosion control and sediment control BMPs will be removed within 30 days after final site stabilization is achieved or after the temporary BMPs are no longer needed.
- Regardless of recommended maintenance schedule, all control measures and inspections shall be performed within 24 hours following any storm of 0.25 inches or greater. An inspection report shall be kept at all times and should be retained for at least three (3) years from the date the site is stabilized.
- All contractors providing services on the project which may cause storm water pollution will be given a copy of the SWPPP and appropriate training regarding stormwater pollution prevention.

NOTE:

- AFTER ASPHALT PAVING HAS TAKEN PLACE STORM WATER DEVELOPED WILL BE DIRECTED TO DRAINAGE SWALES PER THE APPROVED SITE PLAN AND PERCOLATE IN DESIGNATED AREAS
- INLET PROTECTION TO BE PLACED ON ALL STORM DRAIN INLETS AFTER INSTALLATION THROUGH THE DURATION OF THE PROJECT.

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Alpine Flats	
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BMP LAYOUT	
Issue	DESCRIPTION

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