

Vue de Valhalla Subdivision

GENERAL NOTES

- EXISTING IMPROVEMENTS ARE SHOWN AS ACCURATELY AS POSSIBLE ACCORDING TO AVAILABLE INFORMATION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL PROTECT COUNTY INFRASTRUCTURE AND PRIVATE PROPERTY FROM UN-NECESSARY DAMAGE. SHOULD IT BE NECESSARY TO CUT, BREAK, REMOVE, OR DAMAGE ANY OF THE EXISTING IMPROVEMENTS WHICH ARE NOT PLANNED TO BE REMOVED OR ALTERED THE CONTRACTOR SHALL REPAIR, REPLACE, OR CONSTRUCT NEW IMPROVEMENTS IN ACCORDANCE WITH COUNTY REQUIREMENTS AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH COUNTY OR DISTRICT STANDARDS AND SPECIFICATIONS, WHICH EVER IS APPLICABLE. ANY DEVIATION FROM THOSE STANDARDS SHALL BE APPROVED IN ADVANCE OF CONSTRUCTION BY THE COUNTY ENGINEER AND/OR DESIGN ENGINEER.
- AT THE TIME OF CONSTRUCTION, THE COUNTY MAY DETERMINE, BASED ON PROFESSIONAL EXPERIENCE AND JUDGMENT AND AT ITS SOLE DISCRETION, THE NEED FOR THE OWNER/DEVELOPER TO PAY FOR, REMOVE, AND REPLACE ANY SUBSTANDARD PUBLIC IMPROVEMENTS WHERE THE NEW IMPROVEMENTS TIE TO THE EXISTING IMPROVEMENTS.
- TRAFFIC AND PEDESTRIAN CONTROL DEVICES, SIGNS, OR BARRIERS SHALL BE INSTALLED ACCORDING TO THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
- THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE CONDITIONS AND SAFETY HAZARDS BEFORE AND DURING CONSTRUCTION ACTIVITIES AND COMPLY WITH THE APPROPRIATE PUBLIC SAFETY AND O.S.H.A. STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND OBTAIN ALL LICENSES OR PERMITS REQUIRED FOR CONSTRUCTION ACTIVITIES FOR COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE, WORKING CONDITIONS, SAFETY OF ALL PERSONS AND PROPERTY, BOTH PUBLIC AND PRIVATE, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL HOLD HARMLESS, DEFEND, AND INDEMNIFY THE OWNER, DEVELOPER, PROJECT ENGINEER/DESIGN FIRM, AND SURVEYOR/SURVEYING FIRM FROM ANY LIABILITY IN CONNECTION WITH THE WORK ACTIVITIES OF THIS PROJECT.
- CONSTRUCTION STAKING IMPROVEMENTS AND LOT CORNERS SHALL BE PROVIDED OR INSTALLED BY THE OWNER/DEVELOPER'S SURVEYOR AT THE DEVELOPERS EXPENSE. FOR ANY CONSTRUCTION STAKING REQUESTED BY THE CONTRACTOR OUTSIDE OF THE INITIAL SURVEY STAKES AS PROVIDED SHALL BE AT THE CONTRACTORS EXPENSE AND THE SURVEYOR REQUIRES 48 HOURS NOTICE FOR SUCH REQUESTS.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER IN THE EVENT THAT AMBIGUITIES EXIST IN THE PLANS OR DESIGN CHANGE REQUESTS ARE MADE. WORK OR CHANGE ITEMS THAT HAVE BEEN BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER SHALL STOP AND CONTINUE ONLY WHEN THE CONTRACTOR HAS BEEN PROVIDED A SOLUTION AND/OR REVISED PLANS AND/OR COUNTY APPROVAL AS THE CASE MAY REQUIRE.
- THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED AND DETAILED SET OF RECORD DRAWINGS THAT SHOW ANY DEVIATIONS IN CONSTRUCTION FROM THOSE AS DESIGNED. A LIST OF MATERIAL SUBSTITUTIONS SHALL ALSO BE MAINTAINED. A COPY OF THESE DRAWINGS SHALL BE PROVIDED TO THE DESIGN ENGINEER AND THE COUNTY UPON REQUEST AND/OR AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL INSTALL THE UTILITY SERVICE LINES WITH REQUIRED SEPARATIONS FROM OTHER UTILITIES AS DESIGNED OR AS DIRECTED BY THE COUNTY, DISTRICTS, AGENCIES OR UTILITY SERVICE PROVIDER.
- ALL TRENCHING AND EXCAVATION DETAILS SHOWN OR NOTED ON THESE PLANS THAT MAY DIFFER FROM COUNTY, O.S.H.A. OR THE APPROPRIATE AGENCY THAT HAS JURISDICTION OVER WORK BEING DONE WITHIN THEIR RIGHT OF WAY OR PROJECT AREA SHALL BE MODIFIED ACCORDINGLY. WORK WITHIN TRENCHES AND EXCAVATIONS SHALL COMPLY WITH THE APPROPRIATE LAWS OR STANDARDS.
- SERVICE CONNECTIONS OF NEW UTILITY LINES SHALL NOT BE ALLOWED UNTIL THE COUNTY, AGENCY, DISTRICT OR COMPANY IN CHARGE OF THE UTILITY HAS PROVIDED WRITTEN APPROVAL.
- ALL UTILITIES THAT ARE INSTALLED UNDERGROUND SHALL BE PROPERLY INSTALLED AND INSPECTED PRIOR TO THE INSTALLATION OF ROAD/STREET SURFACE PAVING.
 - SECONDARY WATER**, there is no secondary water lines in this project.
- NATURAL GAS**: If applicable.
 - AVAILABLE GAS SERVICES ARE UNDERGROUND IN THIS AREA. AT THE TIME OF THE FIELD SURVEY ANY BLUE STAKE MARKINGS FOR GAS LINES IN THE EXISTING ROADS OR ON THE SUBJECT PROPERTY WERE LOCATED AND ARE SHOWN HEREON. IF NONE ARE SHOWN HEREON NO MARKINGS WERE VISIBLE OR SURVEYED. THE CONTRACTOR SHALL BE RESPONSIBLE TO ASCERTAIN THE LOCATION AND DEPTH OF ANY AND ALL EXISTING GAS SERVICE LINES TO PREVENT DAMAGE OR LOSS OF SERVICE. SURVEYED LOCATIONS OF BLUE STAKE MARKINGS ARE SUBJECT TO ERRORS AND THE DESIGN ENGINEER/SURVEYOR ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF SUCH MARKINGS.
 - SHOULD IT BE FOUND THAT THE LOCATION OF EXISTING GAS SERVICE LINES WILL INTERFERE WITH THE PROJECT DESIGN, THE DESIGN ENGINEER SHALL BE IMMEDIATELY NOTIFIED AND WORK STOPPED UNTIL A RESOLUTION ACCEPTABLE TO THE GAS COMPANY IS REACHED.
 - THE INSTALLATION AND LOCATION OF THE NEW GAS SERVICE SHALL BE UNDER THE DIRECTION OF DOMINION ENERGY AND ARE NOT SHOWN ON THESE PLANS. SHOULD THE CONTRACTOR BE AUTHORIZED BY DOMINION ENERGY TO PROVIDE CONSTRUCTION AND/OR MATERIALS RELATED TO THIS PROJECT SUCH SHALL BE DONE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF DOMINION ENERGY. ANY EXPENSES INCURRED THROUGH SUCH ACTIVITIES SHALL BILLED SEPARATELY AND ARE NOT PART OF THIS CONTRACT. THE DESIGN ENGINEER/SURVEYOR ACCEPTS NO LIABILITY OR RESPONSIBILITY FOR SUCH ACTIVITIES.
 - THE CONTRACTOR SHALL HAVE EMERGENCY CONTACT NUMBERS FOR DOMINION ENERGY IN THE EVENT OF A RUPTURE OF THE EXISTING GAS SERVICE AND SHALL IMMEDIATELY STOP ALL WORK AND SHUT DOWN OR EXTINGUISH ALL SOURCES OF IGNITION AND NOTIFY THE PROPER AGENT IN THE EVENT OF A GAS LEAK OR DAMAGE TO THE EXISTING GAS PIPE, GAS COMPANY PROTOCOLS FOR SUCH EVENT SHALL BE STRICTLY COMPLIED WITH.
 - IF GAS SERVICE IS TO BE BROUGHT TO EACH LOT DURING THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT IT SHALL BE DONE SO THAT NEW AND EXISTING CURB & GUTTER, ROAD FACILITIES AND UTILITIES ARE NOT DAMAGED DURING INSTALLATION.
 - NO DEBRIS, SILT, OR GROUNDWATER ARE ALLOWED TO ENTER THE PIPE DURING CONSTRUCTION. ALL OPEN ENDS OF PIPE ARE TO BE COVERED AND PROPERLY SEALED TO PREVENT SUCH INFILTRATION AT THE END OF EACH WORK ACTIVITY AND/OR AT THE END OF EACH DAY.
- CULINARY WATER**:
 - TESTING AND DECONTAMINATION OF WATER LINES SHALL BE FURNISHED BY CONTRACTOR IN ACCORDANCE WITH DISTRICT AND/OR COUNTY STANDARDS AND INSPECTION REQUIREMENTS WHICH EVER IS APPLICABLE.
 - ALL WORK AND MATERIALS ON CULINARY WATER SYSTEMS SHALL BE IN ACCORDANCE WITH COUNTY STANDARDS AND CONSTRUCTION REQUIREMENTS.
 - THE PRECISE LOCATION OF THE EXISTING CULINARY WATER LINES ARE NOT KNOWN. IT IS ASSUMED THAT THE EXISTING CULINARY WATER LINE(S) RUN AS SHOWN; HOWEVER, THE LOCATION SHOWN IS FROM DIFFERING SOURCES SUCH AS: VALVE LOCATIONS, EVIDENCE OF CUT TRENCHES, AND/OR AVAILABLE UTILITY DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTH OF THE LINE(S) AS NEEDED TO PROPERLY TIE TO THE EXISTING LINE(S). THESE DRAWINGS DO NOT RELIEVE THE CONTRACTOR FROM BLUE STAKE REQUIREMENTS.
 - WATER LATERALS SHALL BE INSTALLED FROM THE MAIN LINE TO THE TERMINAL POINT AT THE BACK OF THE PROPERTY LINE AND/OR AS SHOWN AND AT A MINIMUM OF 10 FOOT SEPARATION AND AN ELEVATION EQUAL TO OR ABOVE THE SEWER LATERALS OR SEWER MAINS. SHOULD IT BE NECESSARY TO INSTALL WATER LINES IN A MAINLINE TRENCH FROM THIS REQUIREMENT THE COUNTY, DISTRICT, OR COMPANY STANDARDS AND SPECIFICATIONS SHALL BE COMPLIED WITH.
 - WATER METERS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNTY STANDARDS AND REQUIREMENTS. THE SIZE AND TYPE OF METER MAY BE SPECIFIED IN THE DETAIL SHEETS OF THIS SET OF PLANS OR IN COUNTY DOCUMENTS.
 - ALL SERVICE LATERALS SHALL BE CTS POLY PIPE. THE COUNTY DOES NOT ALLOW K COPPER IF/ OR AS APPROVED BY THE COUNTY, DISTRICT, OR COMPANY.
 - A MINIMUM OF FOUR FEET OF COVER IS REQUIRED OVER ALL NEW WATER LINES BELOW THE SURFACE OF FINISH GRADE ON THE LOTS OR UNDER ASPHALT FINISH GRADE.
 - ALL MATERIALS WHICH MAY CONTACT DRINKING WATER, INCLUDING BUT NOT LIMITED TO PIPES, GASKETS, LUBRICANTS AND O-RINGS, SHALL BE ANSI-CERTIFIED AS MEETING THE REQUIREMENTS OF NSF STANDARD 61, DRINKING WATER SYSTEMS COMPONENTS - HEALTH EFFECTS. TO PERMIT FIELD VERIFICATION OF THIS CERTIFICATION, ALL SUCH COMPONENTS SHALL BE APPROPRIATELY STAMPED WITH THE NSF LOGO.
 - PIPES AND PIPE FITTINGS SHALL BE "LEAD FREE" IN ACCORDANCE WITH SECTION 1417 OF THE FEDERAL SAFE DRINKING WATER ACT.
 - WHERE CULINARY WATER SYSTEMS AND THE SEWER LINES CROSS, THERE SHALL BE A MINIMUM SEPARATION OF 18 INCHES BETWEEN PIPES. THE WATER PIPES BEING ABOVE THE SEWER LINE IF AT ALL POSSIBLE. DEVIATIONS FROM THIS REQUIREMENT MAY BE ALLOWED WITH PRIOR COUNTY APPROVAL BUT MAY REQUIRE ADDITIONAL MATERIAL OR INSTALLATION REQUIREMENTS TO ENSURE THAT CROSS CONTAMINATION WILL NOT OCCUR.
 - WHERE THE WATER AND SEWER LINES CROSS NO WATER PIPE JOINT IS ALLOWED WITHIN 10 FEET OF THE SEWER LINE. THE WATER LINE JOINTS IMMEDIATELY EACH SIDE OF THE CROSSING SHALL BE SECURED WITH "MEGALUG" TYPE OR APPROVED EQUAL JOINT LOCKS.
 - NO DEBRIS, SILT, OR GROUNDWATER ARE ALLOWED TO ENTER THE PIPE DURING CONSTRUCTION. ALL OPEN ENDS OF PIPE ARE TO BE COVERED AND PROPERLY SEALED TO PREVENT SUCH INFILTRATION AT THE END OF EACH WORK ACTIVITY AND/OR AT THE END OF EACH DAY.
- FIRE HYDRANTS**:
 - ALL FIRE HYDRANT MATERIALS, WORK AND INSTALLATION SHALL CONFORM TO CULINARY WATER SAFE DRINKING WATER STANDARDS AND/OR NOTES AS CONTAINED HEREIN.
 - THE INSTALLATION OF ALL FIRE HYDRANTS SHALL BE VERTICAL AS REQUIRED BY THE COUNTY STANDARDS.
- ASBESTOS**:
 - CONTRACT DOCUMENTS FOR THIS PROJECT HAVE BEEN PREPARED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL ARCHITECTURAL AND ENGINEERING PRACTICES. ACCORDINGLY, NO ASBESTOS OR PRODUCTS CONTAINING ASBESTOS HAVE BEEN KNOWINGLY SPECIFIED FOR THIS PROJECT. NOTIFY ENGINEER IMMEDIATELY FOR INSTRUCTIONS IF:
 - MATERIALS CONTAINING ASBESTOS ARE BROUGHT TO SITE FOR INCLUSION IN THE WORK.
 - ASBESTOS MATERIAL ARE ENCOUNTERED IN EXISTING STRUCTURES UPON WHICH WORK IS BEING DONE OR ON SITE.
 - AT THE ENGINEER'S DIRECTION AND WITH OWNER'S APPROVAL, A CERTIFIED ASBESTOS INSPECTOR WILL COLLECT SAMPLES AND AN INDEPENDENT TESTING LABORATORY WILL PERFORM TESTING PROCEDURES ON SUSPECT MATERIALS.
 - SHOULD MITIGATION BE REQUIRED ALL WORK ACTIVITIES SHALL STOP UNTIL THE HAZARD IS PROPERLY CLEANED, REMOVED, OR MITIGATED AND THE COUNTY ISSUES A WRITTEN NOTICE TO PROCEED WITH REGULAR CONSTRUCTION ACTIVITIES.

20. SEWER LINES: There are no sewer lines in this project.

21. ROAD WORK AND TRENCHING:

- TRENCHING SHALL CONFORM TO COUNTY STANDARD DETAIL(S) AS SHOWN HEREIN.
- TRENCHING AND CONNECTION WITHIN THE EXISTING ROADWAY WILL ONLY BE ALLOWED DURING DAYLIGHT HOURS WITHOUT SPECIFIC, WRITTEN APPROVAL OF THE COUNTY OR ENTITY THAT HAS JURISDICTION OVER THE ROADWAY. THE WORK AREA MUST BE SECURED BACKFILLED AND CLEANED PRIOR TO REMOVAL OF ANY TRAFFIC OR PEDESTRIAN CONTROL DEVICES. IF WORK, OTHER THAN DAYLIGHT HOURS IS APPROVED AS INDICATED HEREIN, THE COUNTY OR ENTITY REQUIREMENTS FOR SUCH WORK SHALL BE STRICTLY COMPLIED WITH.
- OPEN TRENCHES OR HOLES LEFT OVER NIGHT SHALL BE COVERED WITH STEEL PLATES OF SUFFICIENT THICKNESS AND DESIGN TO CARRY HEAVY TRAFFIC AND TRAFFIC CONTROL WARNING DEVICES SHALL BE PROPERLY INSTALLED TO MEET M.U.T.C.D. STANDARD DETAILS UNLESS A METHOD OF HAZARD PREVENTION HAS BEEN PRIOR APPROVED, IN WRITING, BY THE COUNTY OR ENTITY THAT HAS JURISDICTION OVER THE ROADWAY.
- SAW CUT, REMOVE AND REPLACE EXISTING ASPHALT AS SHOWN AND, IF NECESSARY, ANY EXISTING CONCRETE CURB, GUTTER AND SIDEWALK TO FORM A VERTICAL JOINT FOR NEW ASPHALT AND CURB, GUTTER AND SIDEWALK TO MATCH NEAREST EXISTING JOINT AS SHOWN OR NOTED.
- FOR AREAS OF INSTALLATION BETWEEN EDGE OF OIL SAW CUT AND THE NEW CURB UP AS SHOWN OR NOTED HEREIN, INSTALL UNTREATED BASE COURSE AND ASPHALT AS REQUIRED BY THE DETAIL DRAWINGS OR AS REQUIRED BY THE COUNTY OR ENTITY THAT HAS JURISDICTION OVER THE ROADWAY.
- THE TRENCH PATCHES WITHIN THE ROAD ARE TO BE RECONSTRUCTED TO MATCH THE EXISTING ASPHALT OR CURB AND GUTTER ELEVATIONS AND SLOPES TO PROVIDE PROPER DRAINAGE.
- NO RECYCLED ROADBASE MAY BE USED IN THE TRENCH PATCHES.
- ELEVATIONS, CONTOURS AND OTHER NOTATIONS ARE TO FINISH GRADE SURFACES UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR NECESSARY ADJUSTMENTS TO PROPERLY CONSTRUCT THE PROJECT TO THE DESIGN ELEVATIONS.
- FILLS IN EXCESS OF 3 FEET SHALL BE COMPACTED TO 95% (95 PERCENT) MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM D-1557 STANDARDS IN 6 INCH LIFTS TO PREVENT ROAD SETTLEMENT. DOCUMENTATION OF SUCH TESTS SHALL BE PROVIDED TO THE COUNTY.
- SUBGRADE PREPARATION SHALL BE DONE TO A 95% (95 PERCENT) RELATIVE COMPACTION TO A MINIMUM DEPTH OF 6 INCHES BETWEEN THE BACK OF CURBS OR LIMITS OF ROAD CONSTRUCTION. DOCUMENTATION OF SUCH TESTS SHALL BE PROVIDED TO THE COUNTY.
- AGGREGATE SUB-GRADE MATERIAL (UNTREATED BASE COURSE) SHALL BE ENGINEERED GRANULAR BACKFILL MATERIAL OF GRADE ¾ INCH UNTREATED BASE COURSE OR AS APPROVED BY THE COUNTY OR DESIGN ENGINEER AND SHALL BE FREE FROM ORGANIC AND DELETERIOUS MATERIALS.
- FINISH GRADE OF THE ROAD SHALL BE CONSTRUCTED TO WITHIN 0.10 FEET OF THE DESIGN GRADE. HOWEVER, IN NO CASE SHALL THE GRADE BE SO CONSTRUCTED THAT POSITIVE DRAINAGE TO THE SHOULDER OF THE ROAD SURFACE AND/OR CURBS IS NOT POSSIBLE. CURBS AND/OR PAVEMENT AREAS WHICH DO NOT MEET THE COUNTY APPROVAL FOR PROPER DRAINAGE SHALL BE REMOVED AND REPLACED TO MEET THE DRAINAGE REQUIREMENTS AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE HIS/HER OWN EARTH WORK QUANTITIES AS MAY BE REQUIRED BY THE OWNER OR PROJECT MANAGER AND MAY BE SUBJECT TO INDEPENDENT VERIFICATION BY THE CONTRACTORS EXPENSE.

22. UTAH DEPARTMENT OF TRANSPORTATION:

- THERE ARE NO UDOT CONTROLLED HIGHWAYS OR STREETS ARE PART OF THIS PROJECT.
- FENCING**: There is no fencing required in this project.

24. POWER:

- THERE ARE NO POWER SERVICE LINES TO BE INSTALLED AS PART OF THIS SET OF PROJECT DESIGN DRAWINGS. ANY POWER SERVICE LINES SHALL BE INSTALLED UNDER THE DIRECTION OF THE POWER COMPANY.
 - POWER SERVICE IS TO BE BROUGHT TO EACH LOT WHILE CONSTRUCTION ACTIVITIES IN CONNECTION WITH THIS CONTRACT ARE UNDERWAY SO THAT NEW ROAD FACILITIES AND UTILITIES ARE NOT DAMAGED DURING INSTALLATION OR IN THE ALTERNATIVE, INSTALLED AS AUTHORIZED BY THE COUNTY ENGINEER.
 - THE POWER COMPANY SHALL BE COORDINATED WITH TO ENSURE THAT THEIR SERVICE LINES CAN, IF POSSIBLE, BE INSTALLED DURING THIS PROJECT DURATION.
 - THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UNDERGROUND POWER SERVICE LINES TO PREVENT DAMAGE. SHOULD DAMAGE OCCUR THE CONTRACTOR SHALL IMMEDIATELY STOP ALL CONSTRUCTION ACTIVITIES AND CONTACT AN APPROPRIATE REPRESENTATIVE OF THE POWER COMPANY AND/OR COUNTY ENGINEER.
 - WHERE THERE ARE OVERHEAD POWER LINES ON OR NEAR THE WORK AREA OF THIS PROJECT PROPER SAFETY PRECAUTIONS ARE TO BE EMPLOYED DURING ANY WORK ACTIVITY.
 - THE POWER COMPANY SAFETY STANDARDS FOR WORK BEING CONDUCTED IN THE PROXIMITY OF POWER FACILITIES SHALL BE COMPLIED WITH.
 - WHILE CARE HAS BEEN EXERCISED IN THE PREPARATION OF THESE DRAWINGS TO SHOW THE OVERHEAD POWER LINES IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY SUCH LINES, WHETHER ABOVE GROUND OR UNDERGROUND, AND TO WORK IN A SAFE MANNER AS REQUIRED BY THE POWER COMPANY. THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN ENGINEER AND SURVEYOR FROM ANY DAMAGE OR INJURY CAUSED BY CONTACT WITH SUCH LINES.
- 25. STORM DRAIN SYSTEMS: if applicable.**
- THE INTENT OF THIS PROJECT IS TO PROVIDE ADEQUATE DRAINAGE TO EACH APPROPRIATE CATCH BASIN AS SHOWN OR NOTED. SHOULD DISCREPANCIES IN THIS INTENT BE FOUND ALL WORK RELATED TO THIS SYSTEM SHALL STOP AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER. COMMENCEMENT OF WORK SHALL BEGIN ONLY AFTER THE DESIGN ENGINEER HAS AUTHORIZED SUCH IN RELATION TO A SOLUTION COMMUNICATED TO THE CONTRACTOR EITHER BY VERBAL WRITTEN NOTICE TO PROCEED, OR IN THE FORM OF REVISED DRAWINGS. IT MAY BE NECESSARY TO INFORM THE COUNTY OF DESIGN CONCERNS THAT MAY NEED REVISION AND IN THAT EVENT THE COUNTY ENGINEER SHALL BE CONSULTED FOR A COUNTY APPROVED SOLUTION.
 - REQUIRED STORM DRAIN BOXES ARE TO BE PRECAST CONCRETE FROM COUNTY APPROVED PROVIDERS UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 - REQUIRED STORM DRAIN GRATES ARE TO MEET COUNTY AND/OR A.S.H.T.O. STANDARDS FOR BICYCLE SAFE CONSTRUCTION AND INSTALLATION.
 - PIPE CONNECTIONS ARE TO BE INSTALLED TO MEET THE REQUIREMENTS OF THE COUNTY.
 - PIPES ARE TO BE RCP-CLASS 3 OR APPROVED EQUAL OF THE SIZE NOTED IN THE DESIGN DRAWINGS UNLESS OTHERWISE AUTHORIZED BY THE COUNTY ENGINEER.

26. LAND DRAIN SYSTEM:

- THERE ARE NO LAND DRAIN SYSTEMS IN THIS SUBDIVISION.
- CABLE TV, TELEPHONE OR COMMUNICATION SERVICE LINES: if applicable.**
 - THERE ARE NO CABLE OR COMMUNICATION SERVICE LINES AS PART OF THIS PROJECT DRAWINGS.
 - SUCH UTILITY LINES OR FACILITIES, BOXES, OR POLES THAT WERE VISIBLE AT THE TIME OF THE FIELD SURVEY HAVE BEEN LOCATED AND IDENTIFIED ON THIS SET OF DESIGN DRAWINGS. AT THE TIME OF THE FIELD SURVEY AND BLUE STAKE MARKINGS FOR EITHER CABLE TV OR TELEPHONE SERVICE LINES THAT WERE VISIBLE AND ARE SHOWN ON THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE TO ASCERTAIN THE LOCATION AND DEPTH OF THE COMMUNICATION LINES TO PREVENT DAMAGE OR LOSS OF SERVICE.
 - IN THE EVENT OF DAMAGE TO SERVICE LINES THE APPROPRIATE UTILITY SERVICE PROVIDER SHALL BE CONTACTED FOR INSTRUCTIONS ON HOW TO PROCEED WITH THE REPAIR OR REPLACEMENT OF SUCH LINE(S).
 - THE DESIGN ENGINEER NOR SURVEYOR ACCEPT ANY LIABILITY OR RESPONSIBILITY FOR THE LOCATIONS OF THESE UTILITIES OR THE ACCURACY OF THE BLUE STAKE MARKINGS.

28. SITE PREPARATION:

- THE SITE SHALL BE CLEARED AND GRUBBED TO REMOVE ALL VEGETATION AND DELETERIOUS MATERIALS FROM THE PROJECT WORK SITE EXCEPT AS OTHERWISE DIRECTED OR NOTED. CLEARING AND GRUBBING ARE NOT TO BE PERFORMED ON INDIVIDUAL LOTS EXCEPT AS REQUIRED FOR THE INSTALLATION OF REQUIRED DRIVEWAY CORRIDOR(S) AND UTILITY LATERAL. IF THE PROJECT REQUIRES AN EMERGENCY OR TEMPORARY TURN AROUND (HAMMERHEAD OR OTHER VEHICLE TURN AROUND AREA AS SHOWN HEREON) THE AREA SHALL BE CLEARED AND GRUBBED AND A COMPACTED SURFACE OF UNTREATED BASE COURSE A MINIMUM OF 10 INCHES THICK SHALL BE INSTALLED.
- NOTE THAT THE SOIL TYPE WITHIN THE WORK AREA MAY REQUIRE SPECIAL CONSTRUCTION METHODS TO OBTAIN THE NECESSARY GRADING AND COMPACTION REQUIREMENTS AND A GEOTECHNICAL REPORT SHOULD BE OBTAINED FOR INFORMATION RELAYING TO THE REQUIREMENTS FOR PROPER STRUCTURAL STABILITY UNDER THE NEW DRIVEWAY AS REQUIRED OR REQUESTED BY THE COUNTY ENGINEER.
- THE TYPICAL PAVEMENT DESIGN DEPTHS OF MATERIALS MAY CHANGE BASED ON THE REQUIREMENTS SPECIFIED IN A GEOTECHNICAL REPORT.

29. STORM WATER POLLUTION PREVENTION PLAN MANAGEMENT:

- STORM WATER POLLUTION PREVENTION PLANS (SWPPP) ARE PROVIDED HEREIN FOR THE BENEFIT OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS ASSOCIATED WITH SWPPP REGULATIONS AND MAY BE REQUIRED TO PROVIDE THE COUNTY WITH PLANS AND DETAILS SHOULD THE ACTUAL PROCESS OF CONSTRUCTION REQUIRE DIFFERENT CONFIGURATION AND/OR OPERATION THAN THAT WHICH IS PROVIDED HEREIN.
- THE CONTRACTOR SHALL PROVIDE ALL EROSION CONTROLS RELATED TO THE "BEST MANAGEMENT PRACTICES" (BMP) RELATED TO SWPPP REQUIREMENTS. THESE MAY INCLUDE BUT ARE NOT LIMITED TO: SILT FENCES, STRAW BALES, WADDLES, DUST CONTROL, ETC. ANY CHANGES OR MODIFICATIONS RELATED TO THE SWPPP, WHETHER REQUIRED BY THE COUNTY OR DUE TO WORK PROGRESS SCHEDULING, SHALL BE AT THE CONTRACTORS EXPENSE.
- MISCELLANEOUS NOTES:**
 - WHEN SPECIFIC BRANDS OR TYPES OF MATERIALS ARE SPECIFIED COUNTY, DISTRICT, OR COMPANY APPROVED EQUIVALENT OR EQUALS MAY BE SUBSTITUTED.
 - ALL UTILITY MANHOLE COVERS, GASKETS, VALVE BOX GRATES, VALVE BOX COVERS AND COLLARS ARE TO BE INSTALLED SO THAT THEY ARE RECESSED A MINIMUM OF 1/4" AND A MAXIMUM OF 1" BELOW THE FINISH GRADE OF THE ROAD SURFACE. EDGES OF THE ADJOINING SURFACES (E.G. ASPHALT, CONCRETE, ETC.) ARE TO BE ROUNDED TO PREVENT A SHARP EDGE HAZARD TO VEHICULAR OR PEDESTRIAN TRAVEL.
 - ONLY EXISTING TREES WITHIN THE RIGHT OF WAY OF THE NEW ROAD CORRIDORS AND UTILITY EASEMENTS AS NOTED HEREIN FOR REMOVAL ARE ALLOWED TO BE REMOVED WITHOUT AUTHORIZATION FROM THE OWNER. CARE SHOULD BE TAKEN TO PREVENT UNNECESSARY DAMAGE TO THE ROOT SYSTEM OF TREES THAT ARE IN THE PROXIMITY OF THE WORK AREA WHICH THE PROPERTY OWNER DESIRES TO PRESERVE.
 - ALL CONCRETE WORK SHALL HAVE A MINIMUM OF 28 DAY COMPRESSIVE STRENGTH OF 4000

PSI. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF THE TESTING AND SHALL PROVIDE THE COUNTY OR OWNER WITH COMPLIANT RESULTS UPON REQUEST.

- TRASH, DEBRIS AND/OR HAZARDOUS MATERIALS SHALL BE PROPERLY DISPOSED OF OFF SITE IN ACCORDANCE WITH LOCAL OR COUNTY REGULATIONS.
- SPELLS OF HAZARDOUS MATERIALS SHALL BE CONTAINED AND CLEANED UP IN ACCORDANCE WITH COUNTY REQUIREMENTS AND APPLICABLE STATE OR FEDERAL LAWS.
- SHOULD THESE NOTES OR DESIGN CRITERION CONFLICT WITH THE STANDARDS, SPECIFICATION, OR DESIGN REQUIREMENTS OF THE COUNTY, AGENCY, DISTRICT, OR COMPANY RESPONSIBLE FOR PUBLIC UTILITY OR INFRASTRUCTURE, THESE NOTES AND PLANS SHALL YIELD TO SAID STANDARDS, SPECIFICATIONS, OR DESIGN REQUIREMENTS OF THE COUNTY, AGENCY, DISTRICT, OR COMPANY IN CHARGE.

Vicinity Map



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LEGEND:

	CENTERLINE
	EXISTING DITCH
	EXISTING FENCE
	EXISTING WATER LINE
	PROPOSED WATER LINE
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	EXISTING STORM DRAIN
	PROPOSED STORM DRAIN
	EXISTING UNDERGROUND POWER LINE
	EXISTING OVERHEAD POWER LINE
	EASEMENTS
	SECTION CORNER
	STREET MONUMENT
	EXISTING INLET
	PROPOSED INLET
	EXISTING DRAINAGE FLOW
	PROPOSED DRAINAGE FLOW
	EXISTING SIGN
	PROPOSED SIGN
	SEWER MANHOLE
	PROPOSED FIRE HYDRANT
	EXISTING VALVE
	PROPOSED VALVE
	EXISTING GROUND ELEVATION
	PROPOSED GROUND ELEVATION
	EDGE OF ASPHALT
	TOP OF ASPHALT
	TOP OF CURB
	FLOW LINE
	SEWER MANHOLE

NOTICE TO CONTRACTORS

- THE CONTRACTOR IS SPECIFICALLY PLACED ON NOTICE AND CAUTIONED THAT THE LOCATION, ELEVATION, DEPTH, OR TYPE OF UTILITIES SHOWN ON THESE PLANS IS DERIVED FROM DIFFERENT SOURCES WHICH MAY INCLUDING BUT ARE NOT LIMITED TO, 811 UTILITY LOCATING SERVICES (BLUE STAKES), PLANS OR DRAWINGS SUPPLIED BY THE UTILITY COMPANIES, PLANS OR DRAWINGS SUPPLIED BY THE CITY, PHYSICAL SURVEYED LOCATIONS OF EXPOSED UTILITIES.
- THE INFORMATION PROVIDED ON EXISTING UTILITIES SHOWN HEREON SHOULD NOT BE RELIED UPON FOR ACCURATE LOCATION. THE CONTRACTOR IS SPECIFICALLY AND EXPRESSLY CAUTIONED THAT ANY UTILITY LOCATIONS MUST BE FIELD VERIFIED.
- SHOULD DISCREPANCIES BETWEEN THE DESIGN LOCATION, ELEVATION, DEPTH OR TYPE OF UTILITY BE FOUND BY THE CONTRACTOR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND/OR CITY AND CEASE ALL WORK UNTIL AN APPROVED RESOLUTION TO THE DISCREPANCY HAS BEEN COMMUNICATED TO THE CONTRACTOR.
- WHILE CARE HAS BEEN TAKEN TO INDICATE REQUIRED ITEMS USING THE TERM "red" it IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL ITEMS NECESSARY FOR THE PROPER CONSTRUCTION AND INSTALLATION OF ALL DESIGN ELEMENTS ARE ACCOUNTED FOR.



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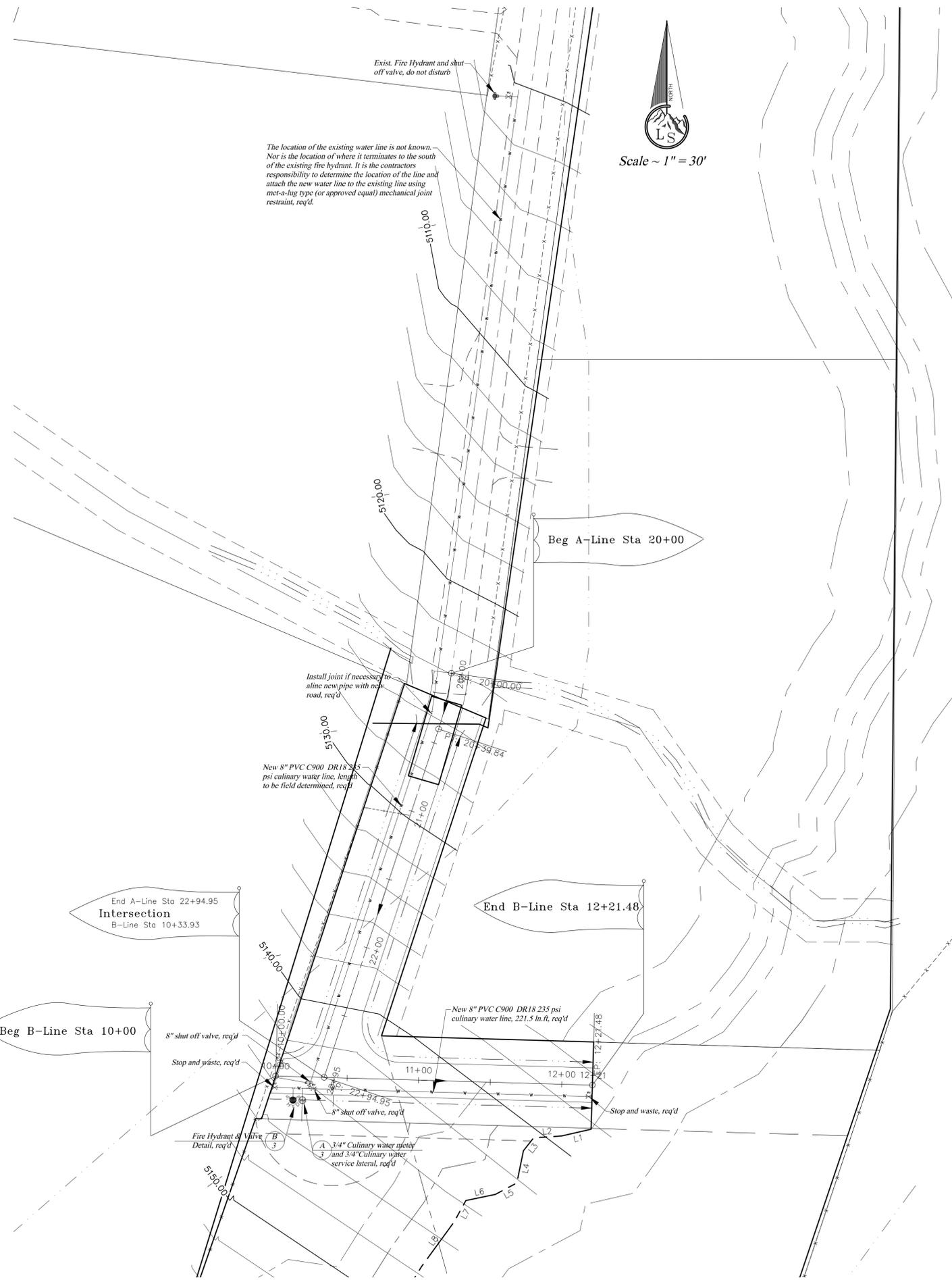


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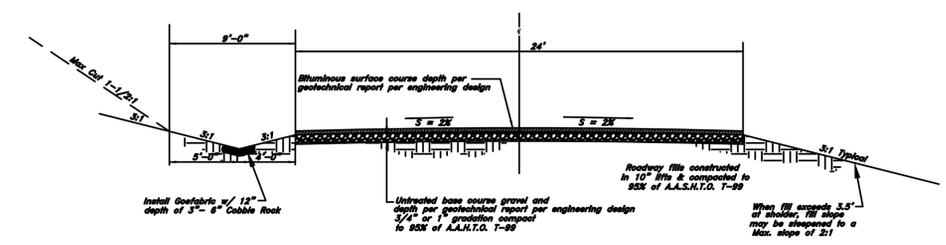
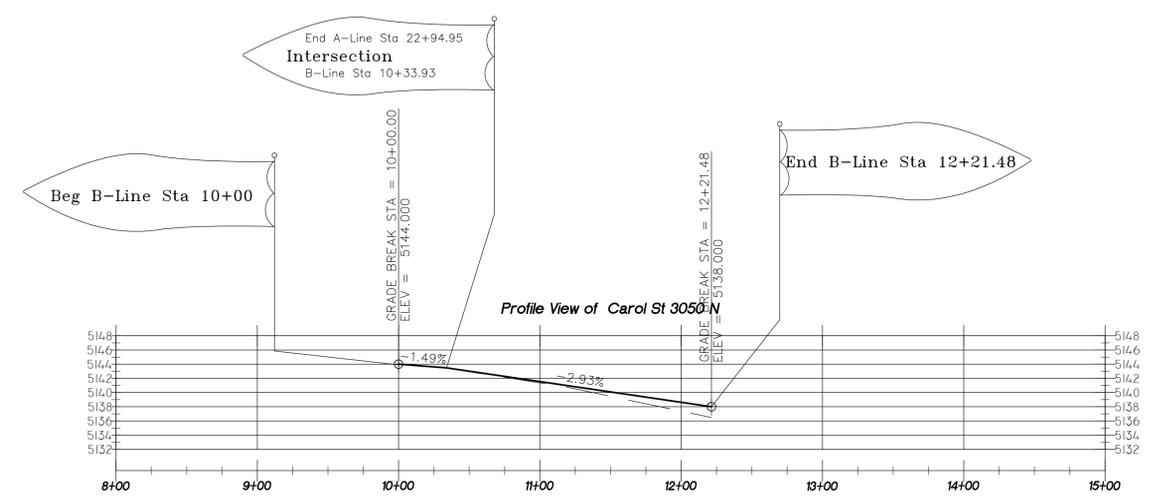
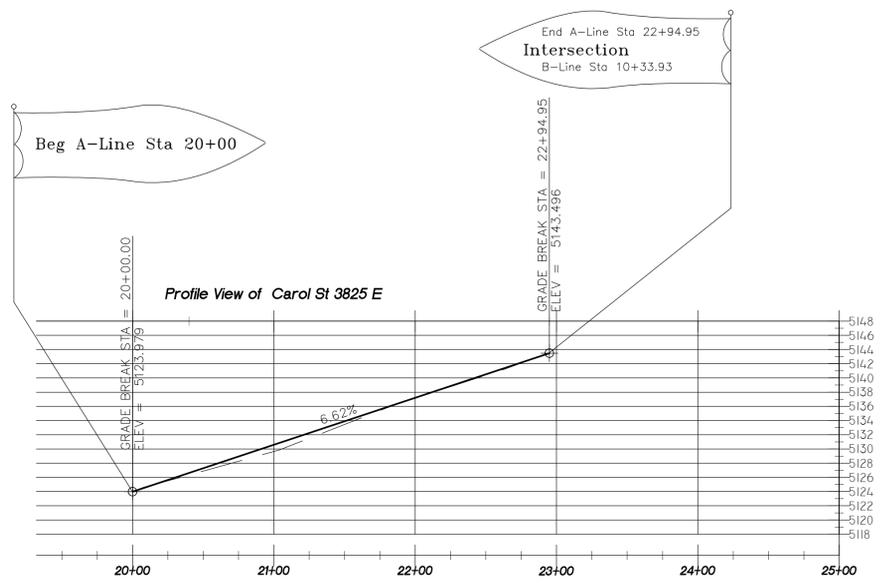
DEVELOPER: <i>Marcus Zabokrtsky</i> Address: 3835 E 3300 N, Liberty, Utah 84310	1 of 4
Location: SE 1/4 of Section 29, Township 7 North, Range 2 East, Salt Lake Base and Meridian.	Cover
Revisions	DESIGNED BY: LW DATE: October 2, 2020 DRAWN BY: EDR PROJ: 3498

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The location of the existing water line is not known. Nor is the location of where it terminates to the south of the existing fire hydrant. It is the contractor's responsibility to determine the location of the line and attach the new water line to the existing line using met-a-lug type (or approved equal) mechanical joint restraint, req'd.

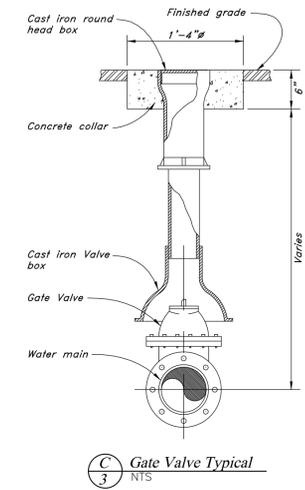
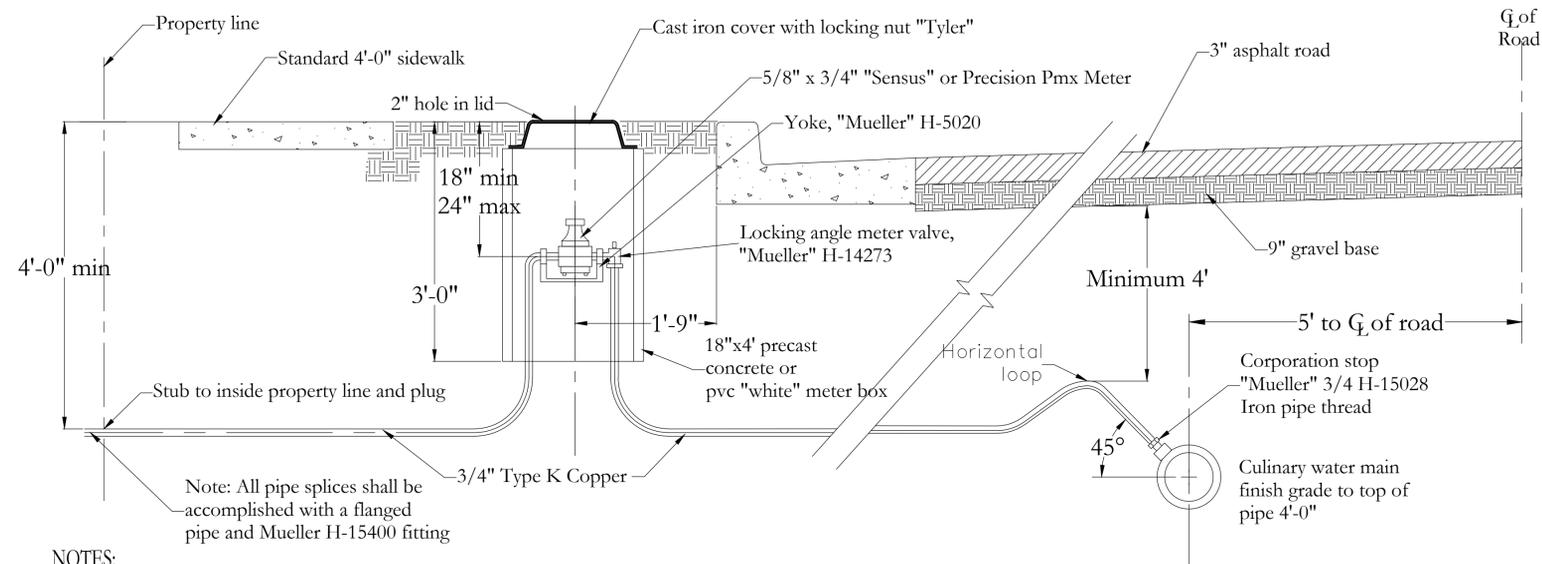
Exist. Fire Hydrant and shut off valve, do not disturb



A Typical Street Cross Section
2 NTS

WALL ENGINEERING, INC 55 SOUTH MAIN, NO. 2 P.O. BOX 39 FILLMORE, UTAH 84631 (435) 864-7503 CELL wallengineering@frontiernet.net	Landmark Surveying, Inc. A Complete Land Surveying Service www.LandmarkSurveyUtah.com 4646 South 3500 West - #A-3 West Haven, UT 84401 801-731-4075	DEVELOPER: Marcus Zabokrtsky Address: 3835 E 3300 N, Liberty, Utah 84310	
		2 of 4	
Project: Vue de Valhalla Subdivision 3835 E 3300 N Liberty, UT	Location: SE 1/4 of Section 29, Township 7 North, Range 2 East, Salt Lake Base and Meridian.	Grading	
Revisions	DESIGNED BY: LW DRAWN BY: EDR	DATE: October 2, 2020 PROJ: 3498	

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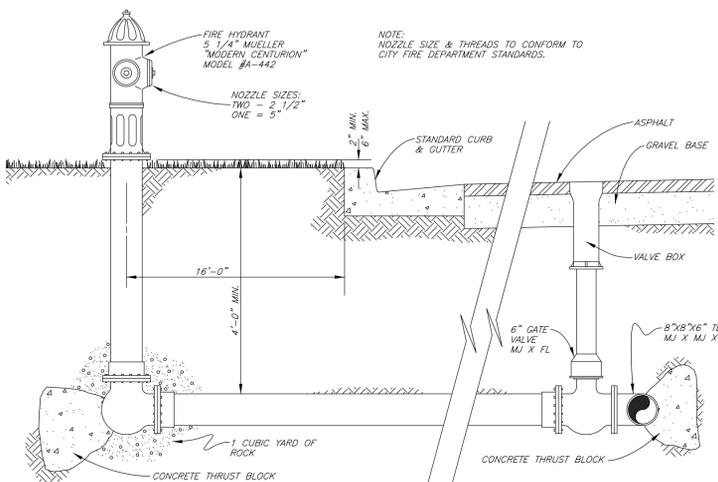
- NOTES:**
1. Adapt detail to design conditions as noted in this set of drawings.
 2. Backfill: Install backfill in lifts not exceeding 8" after compaction. Compact each lift to an average dry density of 95% with no density test result less than 92%.
 3. Residential water meters provided by Contractor and to be approved by City.
 4. Pipe: Type K copper pipe.
 5. Placement: All meters are to be centered in the park strip and must be placed near midpoint of the lot. Meters must not be located in a driveway, or in a sidewalk, and must be 18" away from driveway approaches.
 6. Property owner is responsible for service line from property side of meter.
 7. Taps to PVC C900 require brass double strap saddles. Direct taps not allowed to PVC.
 8. Back flow prevention devices not required.
 9. 1 1/2" and 2" meters require a meter setter Mueller H1423 with Mueller H15428 fittings.
 10. Water meter size shall be the same size as the supply line into site.

Meter Size	Meter Box Size
3/4"	18"
1"	24"
1-1/2"	30"
2"	36"

TYPICAL WATER CONNECTION

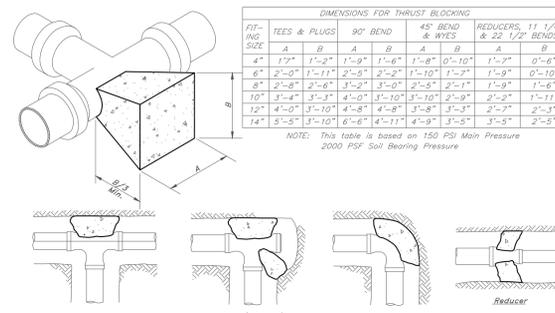
SCALE: NONE

A
3

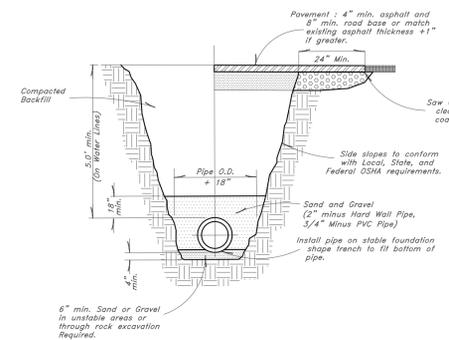


TYPICAL FIRE HYDRANT & VALVE CONNECTION
NOT TO SCALE

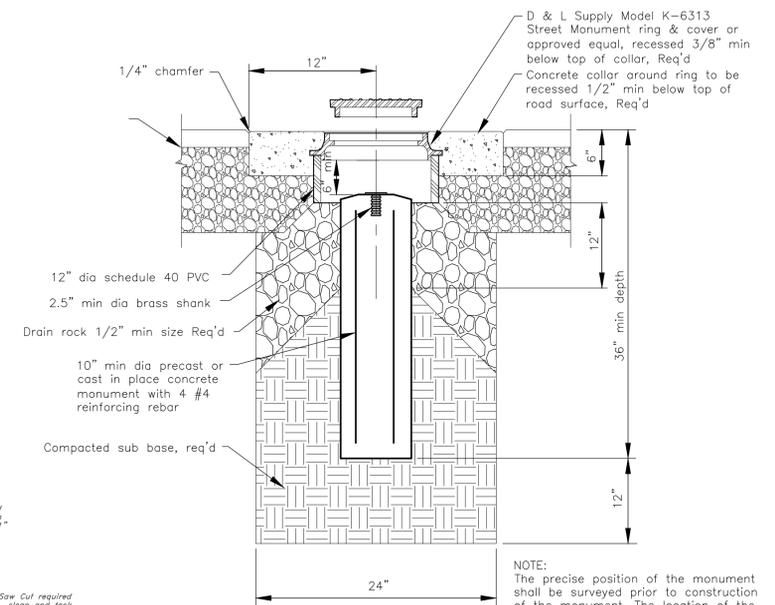
B
3
Fire Hydrant Typical
NTS



F
3
Thrust Blocking Details
Not to Scale



E
3
Typical Trench Detail
Not to Scale



D
3
Street Monument Box
NTS

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DEVELOPER: Marcus Zabokrtsky
Address: 3835 E 3300 N, Liberty, Utah 84310

3 of 4

Project: **Vue de Valhalla Subdivision**
3835 E 3300 N
Liberty, UT

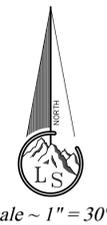
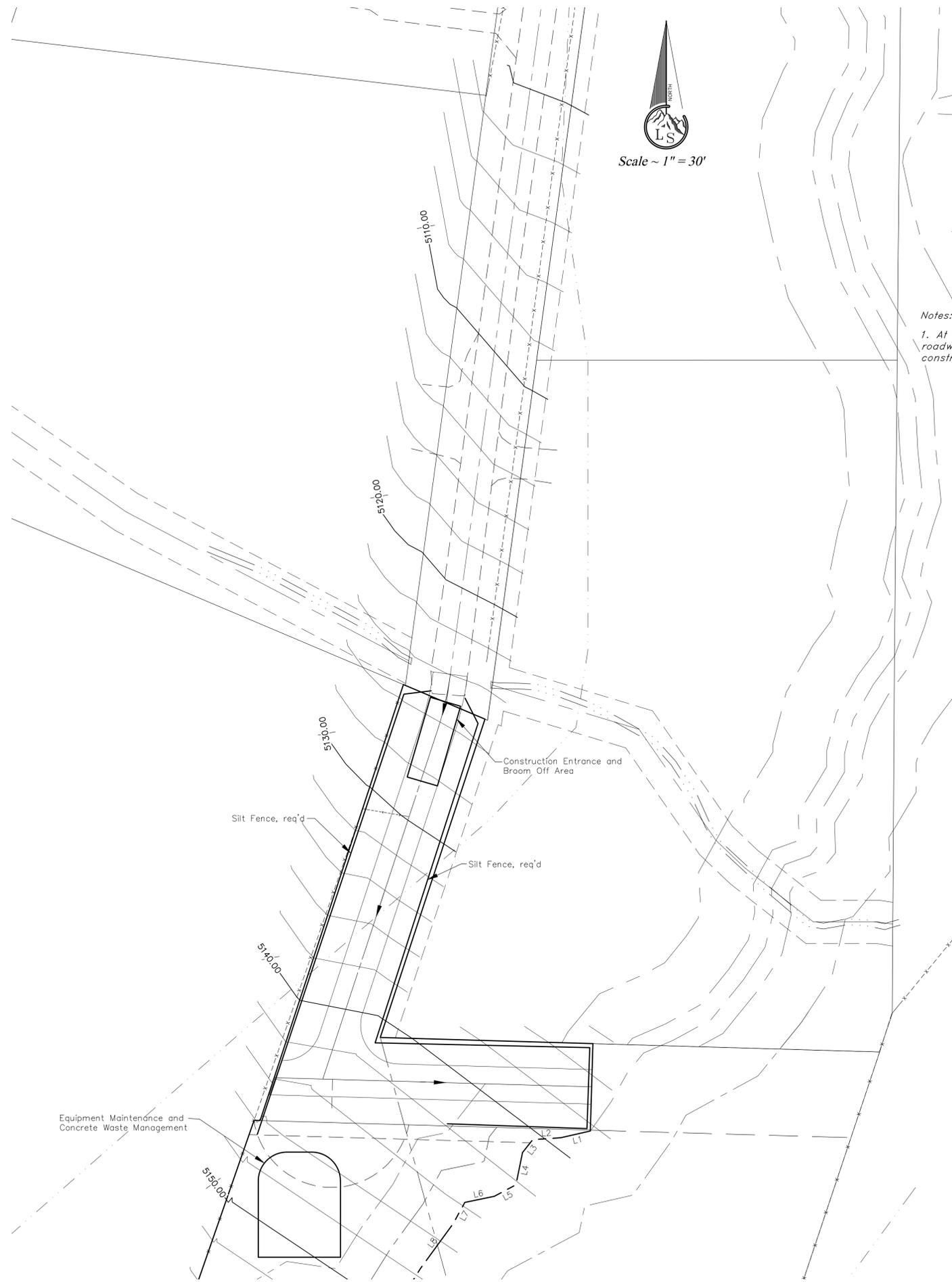
Location:
SE 1/4 of Section 29, Township 7 North,
Range 2 East, Salt Lake Base and Meridian.

Details

Revisions

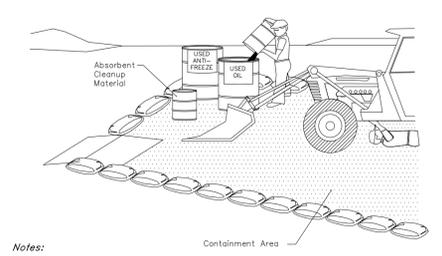
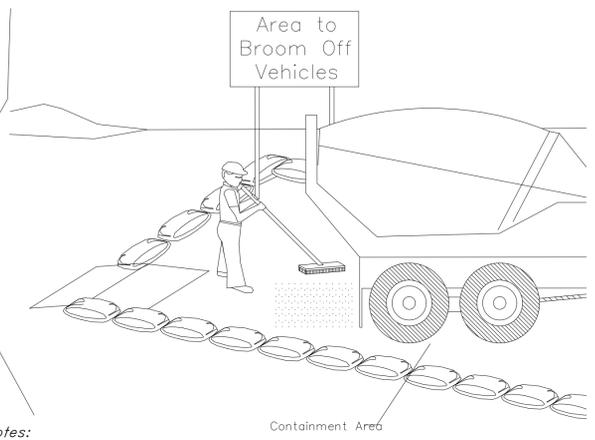
DESIGNED BY: LW DATE: October 2, 2020
DRAWN BY: EDR PROJ: 3498

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Notes:

1. At the end of each construction day, all sediment deposited on paved roadways and broom off area shall be removed and returned to the construction site.



Notes:

1. Leaking vehicles and equipment shall not be allowed on-site. Equipment and vehicles shall be inspected frequently for leaks and shall be repaired immediately. Clean up spills and leaks promptly with absorbent materials; do not flush with water.
2. Vehicles and equipment shall be maintained, and repaired on-site only in designated areas. Prevent run-on and run-off from designated areas.
3. Containment devices shall be provided and areas shall be covered if necessary.
4. Designate on-site vehicle and equipment maintenance areas, away from storm drain inlets and watercourses.
5. Always use secondary containment, such as a drain pan or drop cloth, to catch spills and leaks when removing or changing fluids.
6. Provide spill containment dikes or secondary containment around stored oil, fuel, and chemical drums.
7. Maintain an adequate supply of absorbent spill cleanup materials in designated area.

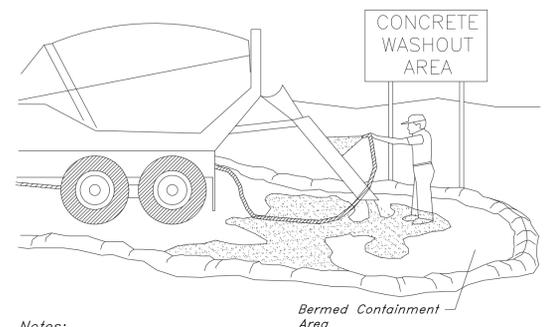
WATER POLLUTION PREVENTION NOTES:

THE FOLLOWING PROVISIONS WILL BE REQUIRED, AS A MINIMUM, FOR ANY CONSTRUCTION, CLEARING, GRADING, OR OTHER DISTURBANCE OF THE NATIVE GROUND. OTHER REQUIREMENTS MEETING THE POLLUTION PREVENTION PLAN MAY BE IMPOSED BY THE GOVERNING AGENCY OR THEIR REPRESENTATIVE, AS NEEDED PER SITE CONDITIONS:

- (1) SILT FENCING WILL BE REQUIRED AT ANY DOWNGRADE LOCATION ON THE SITE, WHERE IT IS DETERMINED THAT FLOWS FROM THE SITE WOULD IMPACT AN EXISTING DRAINAGE, IRRIGATION OR NEIGHBORING PROPERTY. SUCH FENCING SHALL BE CONSTRUCTED WITH A COLLECTION SWALE ON THE UPGRADE SIDE OF THE FENCING FOR COLLECTION OF SEDIMENTS.
- (2) A STAGING AREA FOR CONSTRUCTION EQUIPMENT AND MATERIALS WILL BE REQUIRED AT EVERY SITE. THE STAGING AREA SHALL BE SUFFICIENTLY REMOVED FROM ANY IRRIGATION, DRAINAGE OR ROADWAY AND GRADED TO LIMIT RUNOFF INTO ANY WATERWAY OR EXISTING ROADWAY.
- (3) A "CLEANUP" AREA WILL BE REQUIRED AT THE SITE, FOR THE REMOVAL OF MUD OR OTHER DEBRIS THAT ACCUMULATES ON CONSTRUCTION EQUIPMENT, PRIOR TO LEAVING THE SITE. THE CLEANUP AREA SHALL BE CONSTRUCTED AND GRADED TO LIMIT CONTAMINATION TO ADJACENT PROPERTIES, STREETS OR WATERWAYS BY SILT, MUD OR OTHER POLLUTANTS.
- (4) A FILTERING METHOD (STRAW BALES, FILTERING FABRIC OR AN APPROVED EQUAL) WILL BE REQUIRED IN ANY DRAINAGES THAT MAY BE IMPACTED BY THE CONSTRUCTION. THE FILTERING WILL BE INSTALLED TO INTERCEPT THE FLOWS AWAY FROM THE SITE WHERE IT IS DETERMINED THAT THE CONSTRUCTION WOULD DAMAGE OR DEGRADE THE QUALITY OF WATER FLOWS.

Construction Entrance
Broom Off Area

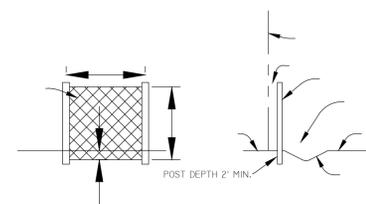
Equipment Repair
& Maintenance Area



Notes:

1. Excess and waste concrete shall not be washed into the street or into a drainage system.
2. For washout of concrete and mortar products, a designated containment facility of sufficient capacity to retain liquid and solid waste shall be provided on site.
3. Slurry from concrete and asphalt saw cutting shall be vacuumed or contained, dried, picked up and disposed of properly.

Concrete Waste Management



2498 Marcus-Gaens_Zabokrtsky.dwg

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		<p>Project: Vue de Valhalla Subdivision 3835 E 3300 N Liberty, UT</p>	<p>Location: SE 1/4 of Section 29, Township 7 North, Range 2 East, Salt Lake Base and Meridian.</p>	<p>DESIGNED BY: LW DATE: October 2, 2020</p> <p>DRAWN BY: EDR PROJ: 3498</p>