



EXISTING STORM LINE.  
CUT AT CLEANOUT  
AND CAP. ABANDON  
IN PLACE.

EXISTING SANITARY LINE.  
CUT AT CLEANOUT AND  
CAP. ABANDON IN PLACE.

EXISTING STORM LINE.  
CUT AT CLEANOUT  
AND CAP. ABANDON  
IN PLACE.

EXISTING FIREWATER LINE.  
CUT AND CAPPED AT VALVE  
2-1/2" DOMESTIC WATER  
Setter Closed

EXISTING ELECTRICAL  
VAULTS/TRANSFORMERS IN  
THIS AREA REMOVED BY  
P.D.

EXISTING LYNCH STYLE  
CATCH BASIN REMOVED. CUT  
AND CAP STORM LINE.  
BACKFILL VOID.

EXISTING CONCRETE TO BE  
CRUSHED BY ACENDANT  
AND REMAIN ON SITE.  
SEPARATE FROM ASPHALT  
MATERIAL

EXISTING GAS LINE CUT  
AND ABANONED IN  
PLACE BY GAS  
COMPANY

**LEGEND**

	NEW	EXISTING
SANITARY SEWER LINE	SS	SS
STORM SEWER LINE	FW	FW
FIRE WATER LINE	DW	WA
DOMESTIC WATER LINE	T	T
TELEPHONE LINE	E	E
ELECTRIC LINE	G	G
NATURAL GAS LINE		

CATCH BASIN RIM ELEVATION	CATCH BASIN RIM 100.00
INVERT ELEVATION	CATCH BASIN IE 100.00
MANHOLE RIM ELEVATION	MH RIM 100.00
EXISTING DOWNSPOUT	(E)
CLEANOUT	DS
MANHOLE	CO
FIRE HYDRANT	FH
CATCH BASIN	CB
8" REDUCE PRESSURE BACKFLOW PREVENTOR	RPBP
WATER METER	WM
BACK FLOW PREVENTOR/REDUCE PRESSURE BACKFLOW PREVENTOR	BF/RPBP
WATER VALVE	WV

**GENERAL NOTES**

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE UNIFORM PLUMBING CODE, UNIFORM BUILDING CODE, AND THE UNIFORM FIRE CODE. WORK SHALL ALSO CONFORM TO THE STANDARDS OF THE CITY OF LONGVIEW AND TO PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL HAVE A FULL SET OF THE CURRENT APPROVED CONSTRUCTION DOCUMENTS INCLUDING ADDENDA ON THE PROJECT SITE AT ALL TIMES.
- THE CONTRACTOR SHALL NOTIFY UTILITY PROVIDERS OF INTENT TO EXCAVATE.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF PRIVATE UTILITIES SUCH AS GAS, TELEPHONE, POWER, CABLE TELEVISION, ETC. CONFIRM VAULT LOCATIONS WITH ENGINEER.
- THE CONTRACTOR SHALL KEEP THE ENGINEER AND JURISDICTION INFORMED OF CONSTRUCTION PROGRESS TO FACILITATE SITE OBSERVATIONS AT REQUIRED INTERVALS. 48-HOUR NOTICE IS REQUIRED.
- THIS PLAN IS GENERALLY DIAGRAMMATIC. IT DOES NOT SHOW EVERY JOINT, BEND, FITTING, OR ACCESSORY REQUIRED FOR CONSTRUCTION.
- CLEAN OUTS SHALL BE INSTALLED IN CONFORMANCE WITH UPC CHAPTER SEVEN, SECTION 707 AND SECTION 719. NOT ALL REQUIRED CLEAN OUTS ARE SHOWN.
- EXISTING CONDITIONS BASED RECORD DRAWING INFORMATION PROVIDED BY THE CLIENT
- THE CONTRACTOR SHALL VERIFY AND CONFIRM EXISTING CONDITIONS. NOTIFY ENGINEER OF VARIATIONS IN CONDITIONS SHOWN ON THE PLANS. POINTS OF CONNECTION TO EXISTING UTILITIES AND LOCATIONS WHERE NEW UTILITIES WILL CROSS EXISTING UTILITIES SHALL BE VERIFIED BY POT-HOLLING PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. IT IS THE CONTRACTORS RESPONSIBILITY TO SCHEDULE POT-HOLLING SUCH THAT IF CONFLICTS ARE ENCOUNTERED, SUFFICIENT TIME EXISTS TO PREPARE MODIFIED DESIGNS AND HAVE THE MODIFICATIONS APPROVED BY THE JURISDICTION WITHOUT IMPACTING THE PROJECT SCHEDULE.
- STORM DRAIN FITTINGS ARE TO BE ECCENTRIC.
- PIPE SIZING IS BASED ON MANNING'S FORMULA WITH N=0.013. IF THE CONTRACTOR DESIRES TO SUBSTITUTE MATERIAL WITH A DIFFERENT N-VALUE REVISION OF CALCULATIONS WILL BE NECESSARY. THE CONTRACTOR MAY CONTACT THE ENGINEER FOR THE REVISIONS.
- PROVIDE DRAINAGE FROM DDCV, WATER METER, AND CHECK VALVE VAULTS AS REQUIRED BY THE JURISDICTION. PROVIDE 1/2HP PUMP WITH DISCHARGE TO HEALTH DEPARTMENT APPROVED LOCATION. PROVIDE CONDUIT, WIRE, AND CONTROLS TO BUILDING EQUIPMENT ROOM.
- DOMESTIC WATER LINES AND ACCESSORIES BETWEEN THE WATER METER AND THE BUILDING SHALL BE INSTALLED BY A LICENSED PLUMBER EMPLOYED BY A LICENSED PLUMBING CONTRACTOR.
- UTILITIES WITHIN FIVE FEET OF A BUILDING SHALL BE CONSTRUCTED OF MATERIALS APPROVED FOR INTERIOR USE AS DESCRIBED IN THE CURRENT EDITION OF THE UPC.
- CHANGES IN DIRECTION OF DRAINAGE PIPING SHALL BE MADE BY THE APPROPRIATE USE OF APPROVED FITTINGS AND SHALL BE OF THE ANGLES PRESENTED BY ONE-SIXTEENTH BEND, ONE-EIGHTH BEND, ONE-SIXTH BEND OR OTHER APPROVED FITTINGS OF EQUIVALENT SWEEP.
- INLETS AND OUTLETS TO ON-SITE MANHOLES SHALL HAVE FLEXIBLE CONNECTION NO CLOSER THAN 12" AND NO FARTHER THAN 36" FROM THE MANHOLE.
- MANHOLES SHALL HAVE SMOOTH, UNIFORM WATERWAY WITH CHANGES OF DIRECTION MADE WITH THE APPROPRIATE SWEEP OFFSET PER THE UNIFORM PLUMBING CODE.
- PROVIDE PERFORATED FOUNDATION DRAIN- SEE GEOTECHNICAL REPORT FOR DETAIL. PROVIDE BACKFLOW DEVICES IN HS-20 TRUCK RATED ACCESS BOX AT CONNECTION TO STORM SYSTEM.
- SECONDARY CONTAINMENT SHOWN FOR REFERENCE ONLY. SEE SEPARATE PLANS BY J.H. KELLY, INC.
- ALL BACKFLOW DEVICES SHALL BE TESTED AND CERTIFIED PRIOR TO WATER SERVICE ACTIVATION PER DOE DUE TO WASTEWATER TREATMENT ON SITE AND CONTAINMENT AREA.
- ALL DUCTILE IRON WATER MAINS ARE TO BE RESTRAINED JOINT. ALL FITTINGS TO BE MEGA-LUG OR EQUIVALENT.
- FIRE SYSTEMS LINES SHALL BE CITY OF LONGVIEW WATER AND FIRE DEPARTMENT STANDARDS FIRE SYSTEMS TO BE INSTALLED BY A STATE CERTIFIED CONTRACTOR.

DATE	DESCRIPTION
07/27/01	RECORD DOCUMENT
09/12/00	RELEASE 3 - CITY COMMENTS
07/27/00	RELEASE 1 - REVISIONS
07/17/00	RELEASE 0 - BUILDING PERMIT
04/19/00	RELEASE C - PROPOSAL SET
04/03/00	RELEASE B - PRICING ISSUE

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**TOYOCOM MANUFACTURING FACILITY  
1850 PRUDENTIAL BOULEVARD  
LONGVIEW, WASHINGTON**

**UTILITY PLAN**

**UTILITY PLAN**  
SCALE 1" = 40'

JOB NUMBER: 200006  
SHEET NUMBER: SD3.1