

## **TYPOLOGY 18**

Commercial/Auto Car Wash-Gas Station

NOTES:

THE CONTRACTOR WILL NOTIFY THE LOCAL PUBLIC WORKS DEPARTMENT PRIOR TO COMMENCING ANY DEMOLITION WORK.

THIS IS TO INSURE THAT WATER AND SEWER LINES ARE LOCATED AND OLD SERVICES ARE KILLED OUT PROPERLY.

WATER AND SEWER TAPS WILL BE MADE BY THE CITY AFTER APPROPRIATE APPLICATIONS AND FEES ARE MADE.

MINIMUM HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES IS 9'-0"

SAN. SWR. LINE MUST BE 1'-0" BELOW WATER LINE WHERE THEY ARE PARALLEL AND WHERE THEY CROSS.

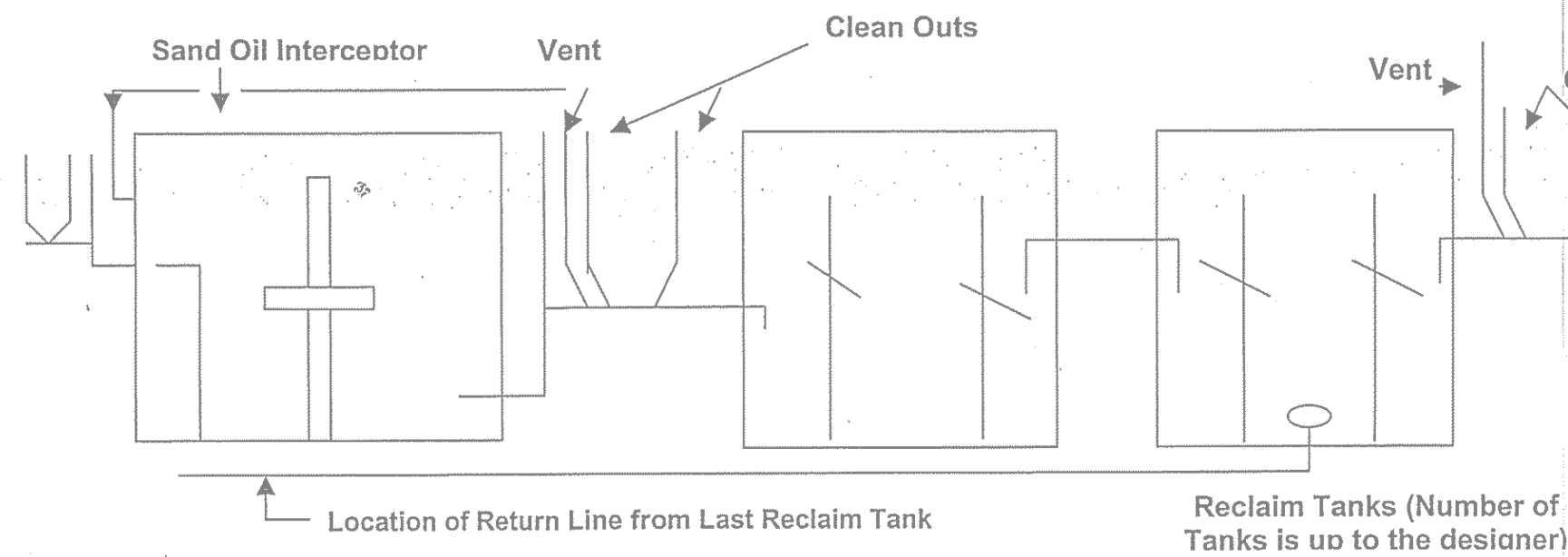
ALL WATER AND SEWER TAPS INTO PUBLIC LINES WILL BE MADE BY THE OPERATOR AT THE DEVELOPER'S EXPENSE.

ALL WATER AND AIR LINES SHALL BE TYPE K COPPER

Watershed Protection  
Development Review

INTEROFFICE MEMORANDUM  
Commercial Plumbing Inspections  
Acceptable Reclaim System Criteria  
November 4, 2003

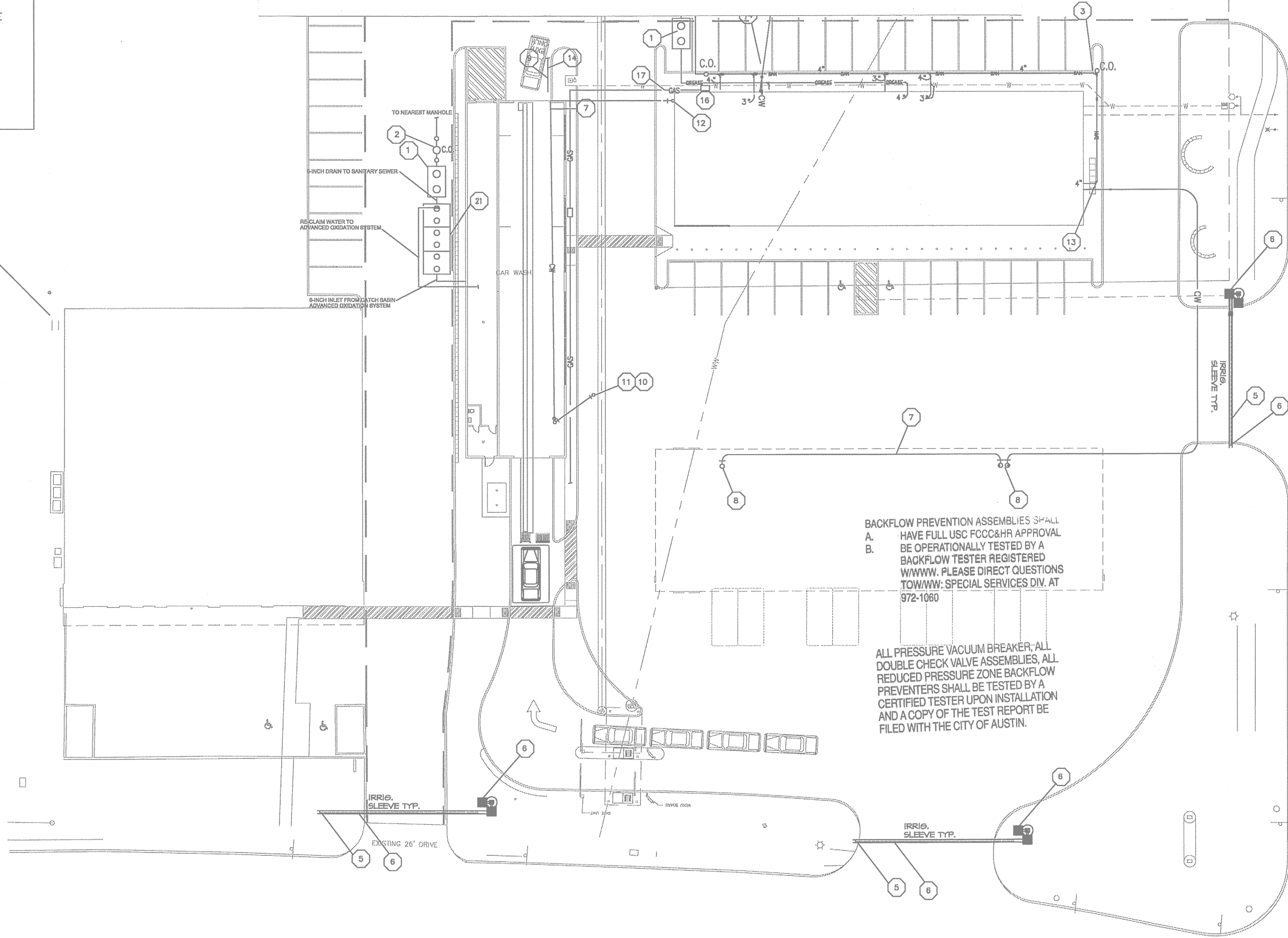
The first component of a reclaim system must be the Sand-Oil Interceptor and must be sized according to the Water and Wastewater Special Services Industrial Waste Criteria.



The suction for the return for the reclaim system may be taken from the next-to-last chamber of the reclaim tank. No suction from the last chamber of the reclaim tank shall be permitted. Plumbing Plan Review and Industrial Waste shall approval all submitted designs. All submittals of a reclaim design shall be approved and inspected according to the approved plumbing code.

Chief Plumbing Inspector: *Henry S. Smith*  
Date: *6/22/04*

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.  
REVIEWED *10/5/11* DATE *12/9/11*  
The grantor of a permit for, or approval of these plans and specifications shall not be construed to be a permit for, or approval of, any violation of any of the provisions of the currently adopted plumbing code or any other provisions of the City of Austin.



BACKFLOW PREVENTION ASSEMBLIES SHALL HAVE FULL USC FCC&HR APPROVAL BE OPERATIONALLY TESTED BY A BACKFLOW TESTER REGISTERED WWWV. PLEASE DIRECT QUESTIONS TOWWWV: SPECIAL SERVICES DIV. AT 972-1060

ALL PRESSURE VACUUM BREAKER, ALL DOUBLE CHECK VALVE ASSEMBLIES, ALL REDUCED PRESSURE ZONE BACKFLOW PREVENTERS SHALL BE TESTED BY A CERTIFIED TESTER UPON INSTALLATION AND A COPY OF THE TEST REPORT BE FILED WITH THE CITY OF AUSTIN.

GENERAL NOTES

1. THE GENERAL CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINTS OF SERVICE CONNECTION AT EXISTING SITE UTILITIES. REFER TO THE BUILDING ELECTRICAL AND PLUMBING SHEETS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
2. PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY GENERAL CONTRACTOR DETERMINED FOR THE MOST ECONOMICAL INSTALLATION.
3. CONNECTIONS AND PROPOSED UTILITIES ARE SHOWN WHERE INTENDED TO BE CONSTRUCTED. ANY MOVEMENT OF THESE FACILITIES SHALL BE APPROVED BY THE DISTRICT ENGINEER PRIOR TO CONSTRUCTION.
4. SUBCONTRACTOR TO PROVIDE SEPARATE COST TO FURNISH AND INSTALL ONE SAMPLE WELL AS SHOWN AND TO INSTALL SAME AS REQUIRED BY LOCAL CODES.
5. GENERAL CONTRACTOR SHALL SUPPLY ALL HOSE CONNECTIONS AND OTHER INSTALLATIONS, WHERE AIR CAP CANNOT BE ASSURED, WITH A CITY OF JURISDICTION APPROVED BACKFLOW PREVENTATIVE.
6. LANDSCAPING IRRIGATION SLEEVES TO BE SCHEDULE 40 PVC PIPING OF SIZES SHOWN ON PLAN, STUB UP ABOVE GRADE AND COVER ENDS.
7. BACK FLOW PREVENTORS ARE TO BE TESTED ANNUALLY BY OWNER.

KEYED NOTES

- 1 GREASE TRAP
- 2 SAMPLE WELL AS REQ'D BY LOCAL CODE
- 3 NEW 6" SCHED. 40 PVC SAN. SEWER LINE @ MIN. 1.0% SLOPE
- 4 RECESSED 2" SHUT-OFF VALVE FOR WATER ENTRY LINE TO C-STORE W/ BACKFLOW PREVENTER
- 5 (2) 4" SCHED. 40 CONDUITS CAPPED AT 5' BEYOND THE CONCRETE.
- 6 CAP ALL ENDS (TYP.) (DO NOT CEMENTGLUE)
- 7 3/4" WATER LINE
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- 9 RECESSED 2" SHUT-OFF VALVE FOR WATER ENTRY LINE TO CAR WASH W/ BACKFLOW PREVENTER
- 10 3/4" WATER LINE TO AIR & WATER UNIT
- 11 3/4" AIR LINE TO AIR & WATER UNIT
- 12 3/4" HOSE BIBB WITH VACUUM BREAKER AND FREEZE PROTECTION. SECURE TO ENCLOSURE WALL 24" A.F.F.
- 13 APPROXIMATE LOCATION OF NEW SAN. SWR. LINE REFER TO CIVIL FOR CONTINUATION.
- 14 APPROXIMATE LOCATION OF NEW WATER LINE REFER TO CIVIL FOR CONTINUATION.
- 15 1" PVC RECLAIM OZONE LINE
- 16 GAS SERVICE AND METER BY LOCAL GAS COMPANY
- 17 PROPOSED ROUTING OF PRIMARY GAS PIPING BY GAS COMPANY. COORDINATE FINAL LOCATION WITH GAS COMPANY.
- 18 COORDINATION, ROUTING AND PIPE SIZES WITH VACUUM EQUIPMENT SUPPLIER.
- 19 DROP TO VACUUM STATION. (TYPICAL)
- 20 USE LONG SWEEP ELBOWS AND FITTINGS. ROUTE UP IN CANOPY STRUCTURE.
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1 PLUMBING SITE PLAN  
P2.1 SCALE: 1" = 20'

DRAWN BY: JM  
CHECKED BY: VW

EJES  
INCORPORATED  
9401 LBJ FREEWAY, SUITE 300 6007 FINANCIAL PLAZA STE 511  
Dallas, Texas 75243  
(P) 214-343-1210 (F) 214-343-3885  
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PLUMBING SITE PLAN

SPEEDY STOP #219  
1660 EAST 51ST STREET  
AUSTIN, TEXAS 78723

DATE	DESCRIPTION	BY
8/24/11	ISSUE FOR CONST.	DP

SCALE:  
AS NOTED

PROJECT NO.

SHEET NO.  
P2.1

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NOTES:

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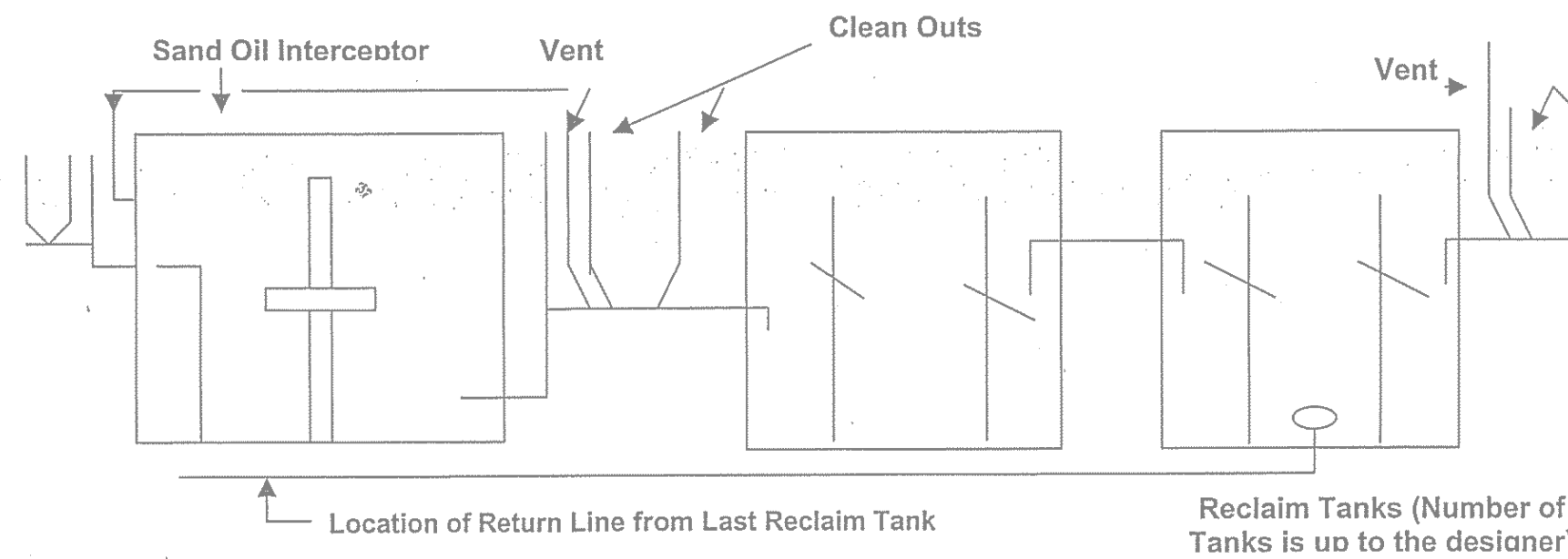
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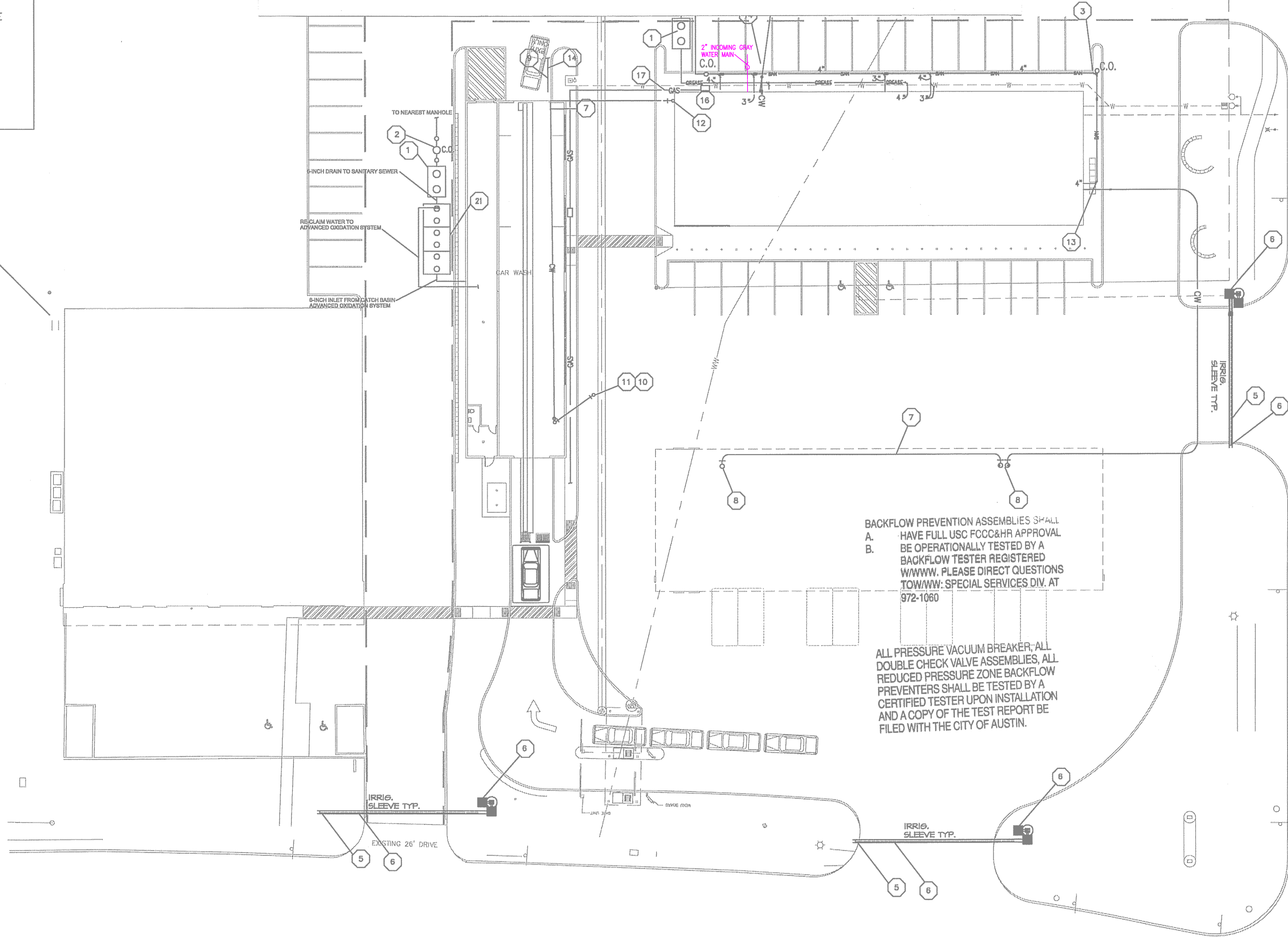
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Chief Plumbing Inspector: *[Signature]*  
Date: *6/22/04*

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P2.1 SCALE: 1 = 20

PLUMBING LEGEND

GRAYWATER  
SUPPLY PIPING  
2" PIPE SIZE  
REVISION

GENERAL NOTES

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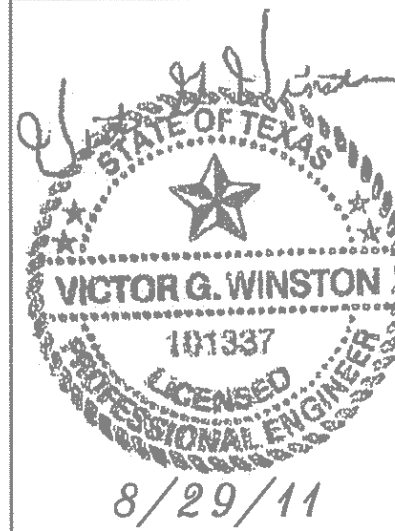
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PLUMBING SITE PLAN

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P2.1



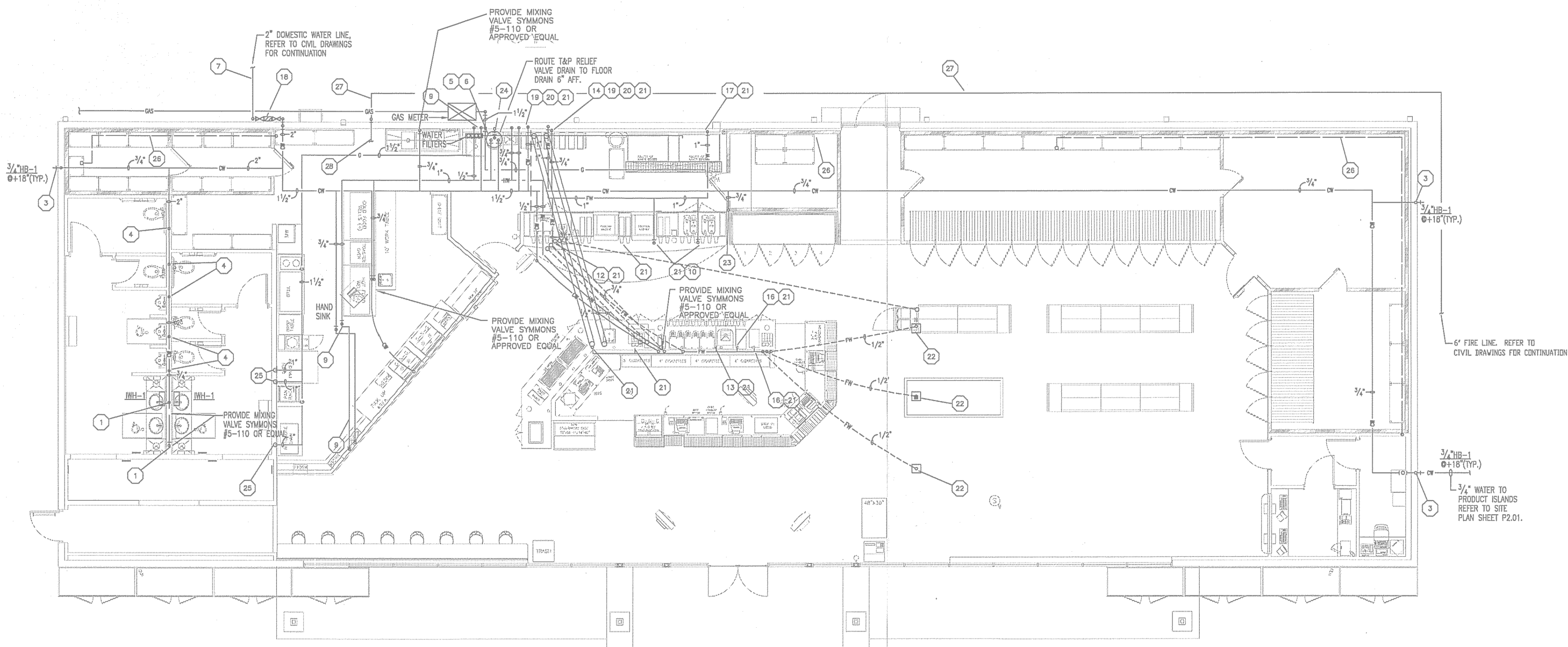
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3. GAS INFORMATION ONLY APPLIES IF GAS POWERED HVAC EQUIPMENT IS USED. COORDINATE WITH MECHANICAL.
4. REFER TO FINAL FOOD SERVICE DRAWINGS FOR FINAL ROUGH-IN LOCATIONS FOR EQUIPMENT.

KEYED NOTES

- 1 1/2" CW DROP IN WALL ROUTE LINE TO IWH-1. DISTRIBUTE HW FROM IWH-1
- 2 NOT USED
- 3 3/4" COLD WATER DROP IN WALL
- 4 1" COLD WATER DROP IN WALL
- 5 1" COLD WATER DROP TO WATER HEATER
- 6 1" HOT WATER (140°) UP FROM WATER HEATER
- 7 2" DOMESTIC WATER SERVICE
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- 10 1/2" COLD FILTERED WATER DROP IN WALL TO DRINK MACHINE.
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- 12 1/2" COLD FILTERED WATER DROP IN WALL TO ICEE MACHINE.
- 13 1/2" COLD FILTERED WATER UP IN WALL TO COFFEE MAKER @ 24" A.F.F.
- 14 1/2" COLD FILTERED WATER DROP IN WALL TO ICE MACHINE @ 62" A.F.F. PER UNIT & REDUCE TO 3/8" STOP.
- 15 NOT USED
- 16 1/2" COLD FILTERED WATER DROP IN WALL TO CREAMER DISPENSER.
- 17 1/2" COLD FILTERED WATER DROP IN WALL TO CARBONATOR DUAL STOP @ 90" A.F.F.
- 18 THIS IS MISLABELED SHOULD BE 1/2"
- 19 1" COLD WATER DROP IN WALL TO WATER FILTERS
- 20 1" COLD FILTERED WATER UP FROM WATER FILTERS.

- 21 INSTALL BACKFLOW PREVENTER FOR WATER FILTER, COFFEE MAKER, DRINK MACHINE, CARBONATOR, FCB, FUB, JOE COOL, TEA, CAPPUCCINO, HOT CHOCOLATE AND COFFEE. FOR WATER FILTER BACKFLOW PREVENTER PROVIDE WATTS #009-QT-SS-FDA OR APPROVED EQUAL. FOR COFFEE MAKER, DRINK MACHINE, AND CARBONATOR BACKFLOW PREVENTER PROVIDE WATTS #SD-2 OR APPROVED EQUAL.
- 22 1/2" COLD FILTERED WATER LOCATED IN A CAST BOX FLUSH WITH FINISHED FLOOR. BOX EQUAL TO JR SMITH 5810F WITH 8" BURY DEPTH OR APPROVED EQUAL.
- 23 3/4" COLD WATER LINE UP THROUGH ROOF FOR MAINTENANCE OF ROOF TOP EQUIPMENT.
- 24 PROVIDE 3" VENT UP THRU ROOF FOR WATER HEATER
- 25 T & S BRASS FLEX CONNECTOR FOR GAS TO EQUIPMENT. MINIMUM 3'-0" IN LENGTH.
- 26 1" COPPER CONDENSATE DRAIN FROM COILS. HOLD LINES 1" OFF WALLS WITH PIPE SUPPORTS. LINES TO SLOPE AT 1/2" PER FOOT AND EXIT AT 6" A.F.F. . ELECTRICAL CONTRACTOR SHALL WRAP CONDENSATE LINE WITH HEAT TRACE CABLE.
- 27 6" FIRE LINE
- 28 TO FIRE RISER. SEE PERFORMANCE SPECIFICATIONS ON SHEET P3.2 FOR ADDITIONAL INFORMATION.



FIRE PROTECTION NOTES:

1. GENERAL: PROVIDE A COMPLETE AUTOMATIC OVERHEAD WET PIPE SPRINKLER SYSTEM FOR FLOOR. CONFORM TO REQUIREMENTS OF LOCAL BUILDING CODE, STATE FIRE MARSHALL, AND TO THE FOLLOWING NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS: NFPA-13, INSTALLATION OF SPRINKLER SYSTEM.
2. SPRINKLER SYSTEM DESIGN FOR MODIFICATIONS TO BE PER NFPA 13, LATEST EDITION SPRINKLERS TO BE SPACED PER NFPA 13 AND MANUFACTURER'S LISTING. SPINKLER LAYOUT ON FLOOR PLAN IS FOR CONCEPTUAL PURPOSES ONLY AND SPRINKLER CONTRACTOR SHALL LAYOUT SPRINKLERS PER APPLICABLE CODES.
3. CONTRACTOR SHALL PERFORM HYDRAULIC CALCULATIONS TO PROVE THAT NEW SPRINKLER DESIGN SHALL NOT EXCEED THE AVAILABLE WATER SUPPLY. WATER SUPPLY INFORMATION SHALL BE OBTAINED FROM AUTHORITY HAVING JURISDICTION AND SHALL BE LESS THAN ONE YEAR OLD FROM THE DATE OF APPLICATION FOR BUILDING PERMIT.
4. SUBMIT HYDRAULIC CALCULATIONS, DRAWINGS, AND ALL OTHER APPROPRIATE DOCUMENTS FOR PERMITTING. CALCULATIONS AND DRAWINGS MUST BE SIGNED AND SEALED BY A TEXAS REGISTERED PROFESSIONAL ENGINEER COMPETENT IN FIRE PROTECTION SYSTEMS.
5. SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILES AS APPLICABLE, NO EXCEPTIONS. SEE ARCHITECTURAL REFLECTED CEILING PLAN.
6. ALL PIPING SHALL BE SCHEDULE 40 THREADABLE W/ CAST IRON FITTINGS.
7. PROVIDE FLOW TEST TO CONFIRM ADEQUATE WATER SUPPLY.
8. ALL PIPING PENETRATIONS THRU ANY FIRE RATED ASSEMBLY SHALL BE MADE AND SEALED IN ACCORDANCE WITH A UL LISTED SYSTEM. THE PENETRATION SHALL BE FIRE SEALED IN ACCORDANCE WITH LOCAL BUILDING CODE USING A UL LISTED SYSTEM FROM THE 1993 UL FIRE RESISTANCE DIRECTORY.
9. PROVIDE PROPERLY-SIZED, CITY OF AUSTIN-APPROVED, BACKFLOW PREVENTER IN THE VERTICAL POSITION. TO BE LOCATED INDOORS.
10. PROVIDE WALL POST INDICATOR VALVE ON EXTERIOR OF BUILDING FOR SPRINKLER SYSTEM ACCESS BY FIRE DEPARTMENT DURING AN EMERGENCY.
11. FIRE DEPARTMENT CONNECTION MUST FACE EITHER FIRE LANE OR PUBLIC ROAD.



1

PLUMBING FLOOR PLAN-WATER & GAS

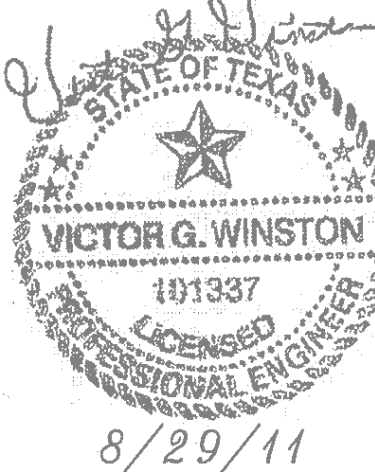
SCALE: 1/8" = 1'-0"

PLANNING & DEVELOPMENT  
CITY OF AUSTIN  
**REJECTED**  
REVISIONS REQUIRED  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DRAWN BY: AH  
CHECKED BY: VW

**EJES**  
INCORPORATED

9401 LBJ FREEWAY SUITE 300  
DALLAS, TEXAS 75243  
(P) 214-943-1210  
(F) 214-943-3885  
6007 FINANCIAL PLAZA STE 511  
SHREVEPORT, LA 71129  
(P) 866-635-7895  
(F) 214-434-3885  
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PLUMBING FLOOR PLAN-  
WATER & GAS  
SPEEDY STOP #219  
1660 EAST 51ST STREET  
AUSTIN, TEXAS 78723

DATE	DESCRIPTION	BY
8/24/11	ISSUE FOR CONST.	AH
8/29/11	REVISION NO. 2	AH

SCALE:  
AS NOTED

PROJECT NO.

SHEET NO.  
P3.2

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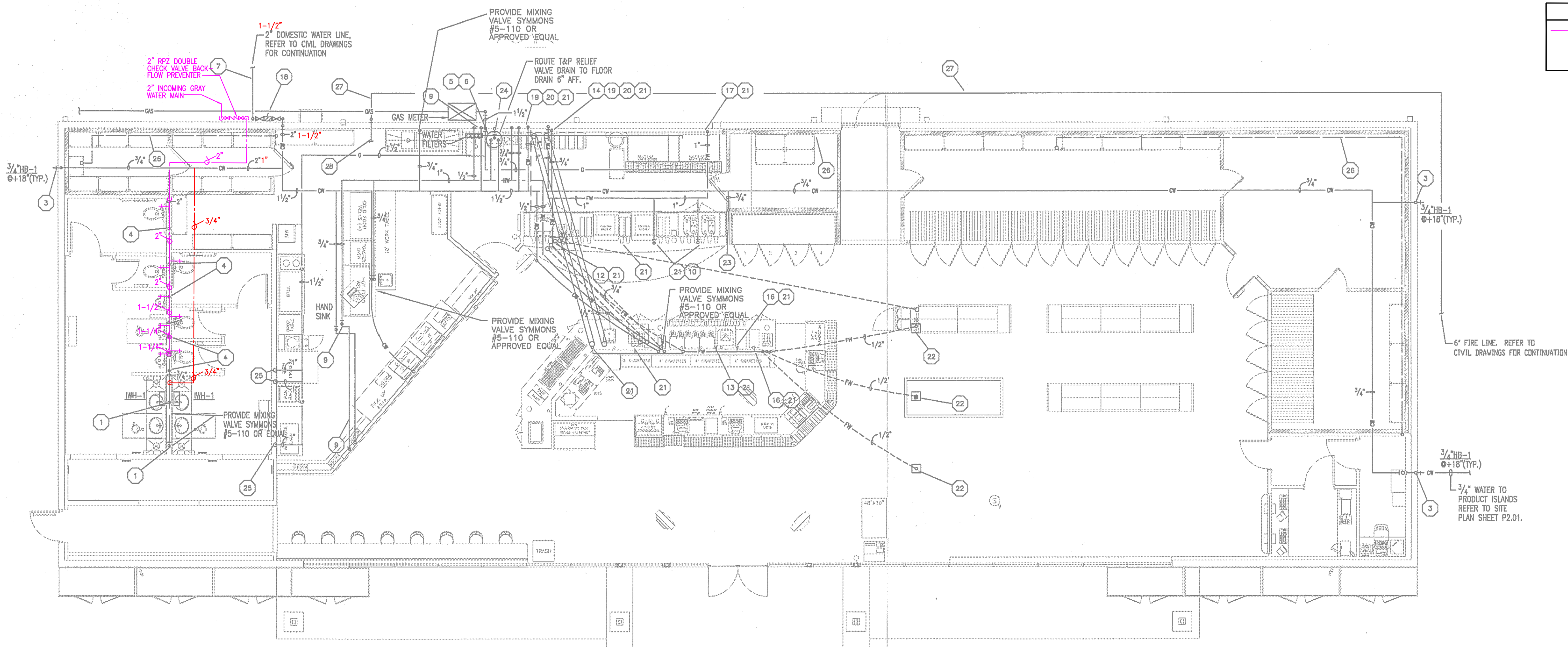
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KEYED NOTES

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PLUMBING LEGEND	
<span style="color: blue;">---</span>	GRAYWATER SUPPLY PIPING
<span style="color: red;">---</span>	PIPE SIZE REVISION

FIRE PROTECTION NOTES:

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2. SPRINKLER SYSTEM DESIGN FOR MODIFICATIONS TO BE PER NFPA 13, LATEST EDITION SPRINKLERS TO BE SPACED PER NFPA 13 AND MANUFACTURER'S LISTING. SPINKLER LAYOUT ON FLOOR PLAN IS FOR CONCEPTUAL PURPOSES ONLY AND SPRINKLER CONTRACTOR SHALL LAYOUT SPRINKLERS PER APPLICABLE CODES.
3. CONTRACTOR SHALL PERFORM HYDRAULIC CALCULATIONS TO PROVE THAT NEW SPRINKLER DESIGN SHALL NOT EXCEED THE AVAILABLE WATER SUPPLY. WATER SUPPLY INFORMATION SHALL BE OBTAINED FROM AUTHORITY HAVING JURISDICTION AND SHALL BE LESS THAN ONE YEAR OLD FROM THE DATE OF APPLICATION FOR BUILDING PERMIT.
4. SUBMIT HYDRAULIC CALCULATIONS, DRAWINGS, AND ALL OTHER APPROPRIATE DOCUMENTS FOR PERMITTING. CALCULATIONS AND DRAWINGS MUST BE SIGNED AND SEALED BY A TEXAS REGISTERED PROFESSIONAL ENGINEER COMPETENT IN FIRE PROTECTION SYSTEMS.

5. SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILES AS APPLICABLE, NO EXCEPTIONS. SEE ARCHITECTURAL REFLECTED CEILING PLAN.
6. ALL PIPING SHALL BE SCHEDULE 40 THREADABLE W/ CAST IRON FITTINGS.
7. PROVIDE FLOW TEST TO CONFIRM ADEQUATE WATER SUPPLY.
8. ALL PIPING PENETRATIONS THRU ANY FIRE RATED ASSEMBLY SHALL BE MADE AND SEALED IN ACCORDANCE WITH A UL LISTED SYSTEM. THE PENETRATION SHALL BE FIRE SEALED IN ACCORDANCE WITH LOCAL BUILDING CODE USING A UL LISTED SYSTEM FROM THE 1993 UL FIRE RESISTANCE DIRECTORY.
9. PROVIDE PROPERLY-SIZED, CITY OF AUSTIN-APPROVED, BACKFLOW PREVENTER IN THE VERTICAL POSITION. TO BE LOCATED INDOORS.
10. PROVIDE WALL POST INDICATOR VALVE ON EXTERIOR OF BUILDING FOR SPRINKLER SYSTEM ACCESS BY FIRE DEPARTMENT DURING AN EMERGENCY.
11. FIRE DEPARTMENT CONNECTION MUST FACE EITHER FIRE LANE OR PUBLIC ROAD.



1

PLUMBING FLOOR PLAN-WATER & GAS

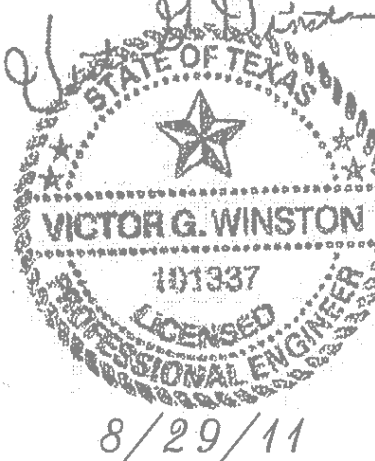
P3.2 SCALE: 1/8" = 1'-0"

PLANNING & DEVELOPMENT  
CITY OF AUSTIN  
**REJECTED**  
REVISIONS REQUIRED  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DRAWN BY: AH  
CHECKED BY: VW

**EJES**  
INCORPORATED

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PLUMBING FLOOR PLAN-  
WATER & GAS  
SPEEDY STOP #219  
1660 EAST 51ST STREET  
AUSTIN, TEXAS 78723

DATE	DESCRIPTION	BY
8/24/11	ISSUE FOR CONST.	AH
8/29/11	REVISION NO. 2	AH

SCALE:  
AS NOTED

PROJECT NO.

SHEET NO.  
P3.2

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