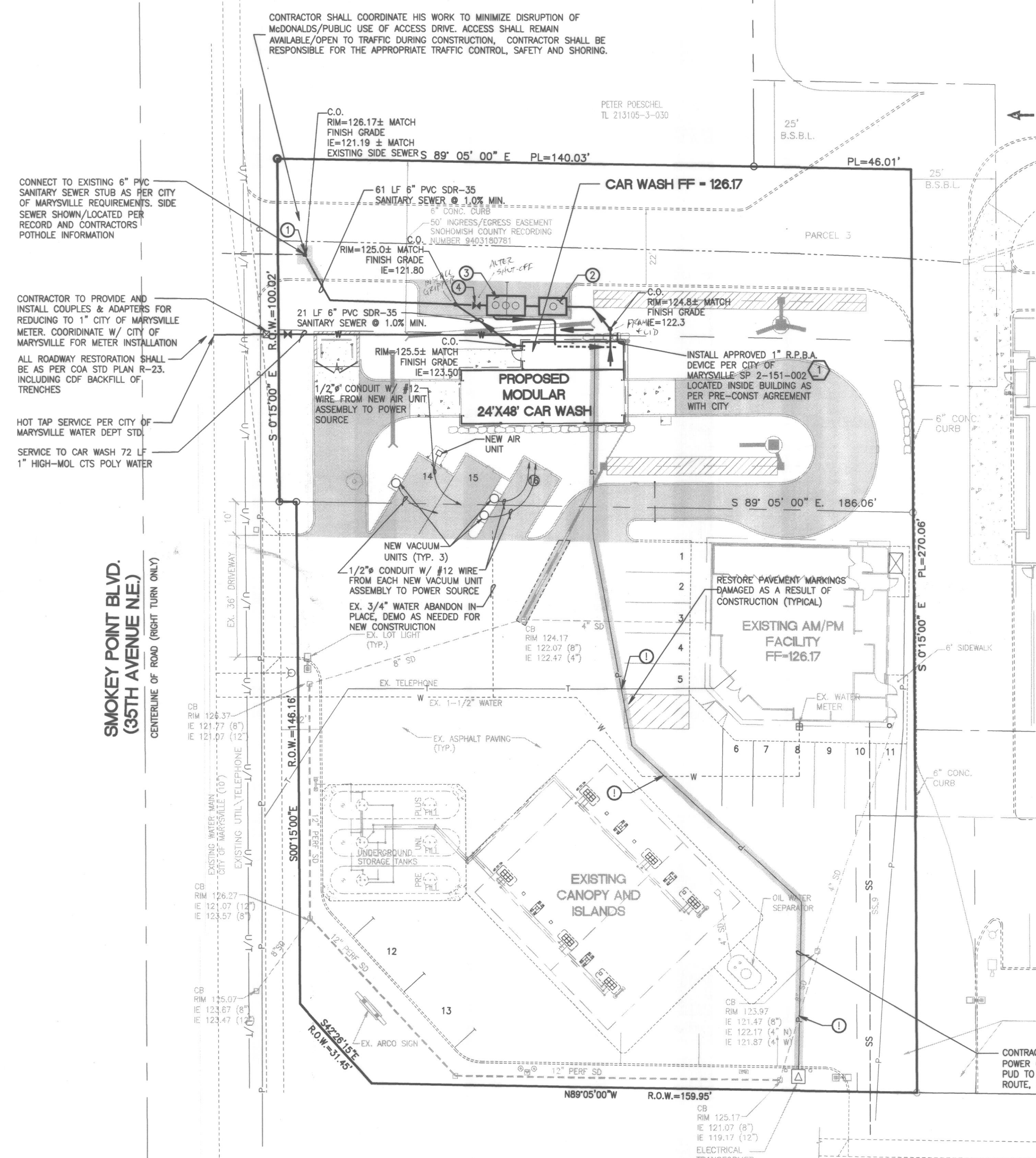
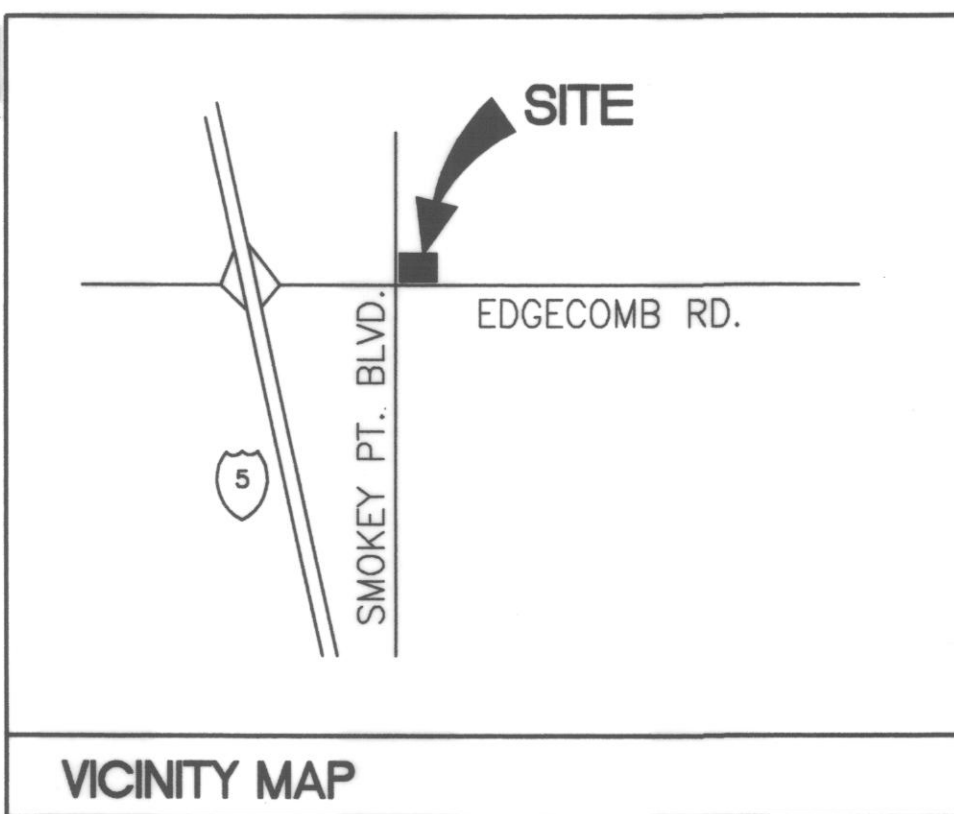
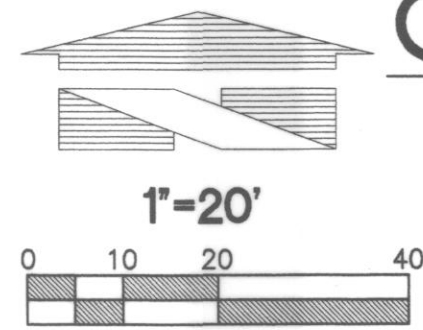


CIVIL - CAR WASH UTILITY AS-BUILT PLAN



CONTACT INFORMATION

OWNER:
BP WEST COAST PRODUCTS, LLC
PO BOX 5015
BUENA PARK, CA 90622
(714) 670-5342
CONTACT: MIKE HAGER

ORIGINATING NAVD 88 DATUM BENCHMARK:

WSDOT GP31531-162
ELEVATION 125.06 NAVD 88

MONUMENT DESCRIPTION:

THE MARK IS A WSDOT BRASS DISK CEMENTED INTO A DRILL HOLE AND SET LEVEL WITH THE CONCRETE SURFACE. NOTE: THIS STATION SIGHTS GP31531-163.

LOCATION DESCRIPTION:

IT IS LOCATED IN THE NORTHEAST QUADRANT OF THE SR-531 INTERSECTION WITH 51ST AVENUE N.E., NEAR THE SOUTHERLY END OF A CONCRETE SIDEWALK, 15.3 METERS @ 80 DEGREES FROM THE APPROXIMATE CENTERLINE OF 51ST AVENUE N.E., 23.4 METERS @ 140 DEGREES FROM A GRATE INLET, 1.0 METERS @ 250 DEGREES FROM AN ORANGE WITNESS POST, 22.3 METERS @ 290 DEGREES FROM A SEWER MANHOLE COVER AND 16.2 METERS @ 340 DEGREES FROM A TRAFFIC SIGNAL BASE.

SITE BENCHMARK:

ELEVATION 129.44 NAVD 88

SCRIBED "X" ON NORTHWEST BOLT, TOP FLANGE OF HYDRANT @ SOUTH RETURN OF DRIVEWAY AT NORTHWEST CORNER ARCO SITE, EAST SIDE OF SMOKEY POINT BOULEVARD (35TH AVENUE N.E.)

AS-BUILT INFORMATION IS BASED UPON CONTRACTOR RECORDS AND INFORMATION PROVIDED BY OTHERS. ALTHOUGH ASSUMED AS AS RELIABLE, BARGHAUSEN CONSULTING ENGINEERS CANNOT WARRANT THE ACCURACY OF THE UTILITY LOCATIONS IN EVERY DETAIL. CAUTION IS ADVISED WHEN DIGGING AS OTHER UTILITIES INSTALLED BY OTHERS, NOT NOTED ON ASBUILT RECORDS OR OTHER UTILITIES NOT SHOWN MAY EXIST.

UTILITY NOTES

1. ABANDONED UTILITY LINES LOCATED ON-SITE SHALL BE REMOVED AND PLUGGED WITH CONCRETE OR WOOD (T20 COATED) AT PROPERTY LINES TO DISTRICT REQUIREMENTS.
2. UTILITY LINES MAY NOT BE COVERED UNTIL AFTER THEY HAVE BEEN TESTED AND APPROVED BY OWNER AND GOVERNING AGENCY. UPON COMPLETION OF THE BACKFILL OPERATIONS, THE UTILITY LINES SHALL BE RETESTED.
3. ALL UTILITY LINE EXCAVATION BEDDING AND BACKFILL MATERIALS, AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS AND THE GOVERNING AGENCY REQUIREMENTS. UTILITY LINES INCLUDE STORM DRAIN, WATER, SEWER, IRRIGATION, ELECTRICAL, TELEPHONE, GAS, AND LANDSCAPE IRRIGATION LINES.
4. ALL ONSITE WATER SERVICE SHALL BE HIGH-MOL CTS POLY WITH MUELLER 110 OR FORD QUICKJOINT FITTINGS. INTERIOR COPPER TUBING SHALL BE TYPE L OR BETTER.
5. SANITARY SEWER PIPE (ONSITE) SHALL BE PVC (SDR 35) WITH FLEXIBLE GASKETED JOINTS PIPE JOINT TYPE SHALL BE RESTRAINED GASKET. BEDDING TO BE CLASS B WITH ONE FOOT OF SAND OR PEA GRAVEL ABOVE PIPE.
6. MINIMUM SLOPE FOR 6-INCH SIDE SEWER SHALL BE 1 PERCENT.
7. CONTRACTOR SHALL GIVE SPUD MINIMUM 2 WEEKS NOTICE ON TRENCHING.
8. SEE TYPICAL TRENCH AND BEDDING SECTION PER BP DETAIL 7/CW4-2
9. SEE SIDE SEWER CONNECTION AND CLEAN-OUT PER BP DETAIL 6/CW4-2
10. ALL TESTING AND CONNECTIONS TO EXISTING MAINS SHALL BE DONE IN THE PRESENCE OF A REPRESENTATIVE FROM THE CITY OF MARYSVILLE WATER DEPARTMENT.
11. THE CONTRACTOR SHALL ADJUST ALL MANHOLES AND CLEANOUTS TO FINISH GRADE PRIOR TO PAVING.
12. CLEAN-OUTS COVERS AND RINGS SHALL BE BROUGHT TO GRADE & CAST WITH "SEWER" AT EACH CLEANOUT IN THE SANITARY SEWER SYSTEM INCLUDING THE ONE AT THE SEPARATOR AND THE RECLAIM.
13. THE CITY OF MARYSVILLE WILL INSTALL THE WATER METER AND TAP AT THE DEVELOPER'S EXPENSE.

LEGEND

	EXISTING	PROPOSED
WATER LINE	— W —	— W —
WATER METER	⊠	⊠
BACKFLOW PREVENTER	⊠	⊠
FIRE HYDRANT	⊠	⊠
POWER LINE	— P(OH) —	— P —
TELEPHONE LINE	— T(OH) —	— T —
CATCH BASIN	⊠	⊠
STORM LINE	— SD —	— SD —
SAN. SEWER LINE	— S —	— S —
CLEANOUT	•	•
GAS SERVICE LINE	— G —	— G —

SEWER UTILITY KEYNOTES:

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL POT-HOLE AND FIELD VERIFY THE EXISTING SEWER COMPATABILITY WITH THE DESIGN. REFER TO KEYNOTE CI BELOW. IN THE EVENT THAT THE EXISTING SEWER STUB CAN NOT BE USED TO SERVE THIS PROJECT A SEWER CONNECTION AT THE EXISTING SEWER MAIN MAY BE REQUIRED. THE CONTRACTOR SHALL PROVIDE A SEPARATE BID PROPOSAL TO COVER ALL EXPENSES/COSTS ASSOCIATED WITH MAKING A SANITARY SEWER CONNECTION AT THE EXISTING SEWER MAIN LOCATED WITHIN SMOKEY POINT BLVD & EDGECOMB ROAD (172ND STREET NE)
2. MUD/OIL SEPARATOR NO 1 AS PER DETAIL 3/CW4-2 RIM=125.07 ADJUST TO MATCH FINISH GRADE, IE= 122.20 (IN/OUT)
3. RECLAIM TANK NO 2 PER DETAIL 2/CW4-2 RIM=125.17± ADJUST TO MATCH FINISH GRADE IE= 121.95 (IN/OUT)
4. 6" PVC BALL VALVE & BOX (U.V. MODEL 3642-PTY WITH OPTIONAL COVER PLATE; WELDED LETTERS "SEWER" REFERENCE UTILITY NOTE 12.

DOMESTIC WATER SERVICE KEYNOTES:

1. 1" FIBRO MODEL 860 R.P. AS OTHER APPROVED R.P.A. PROTECTED FROM FREEZING INSIDE CAR WASH. PER PRE CONST MEETING AGREEMENT W/CITY, ALL INSTALLED PER CITY OF MARYSVILLE STANDARDS.

CITY OF MARYSVILLE

CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGEMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAP INCLUDED, BUT ARE NOT LIMITED TO, WSDFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ANY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS _____ DAY OF _____, 200__.

BY: JOHN COWLING, PE, ENGINEERING SERVICES MANAGER, LAND DEVELOPMENT

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE.

CITY OF ARLINGTON

THIS SHEET AS BEEN APPROVED PER CONDITIONS ON THE COVER SHEET

CONSTRUCTION	AS-BUILT ACKNOWLEDGMENT
BY: _____ CITY ENGINEER	BY: _____ CITY ENGINEER
BY: _____	BY: _____

CLIENT:

BP WEST COAST PRODUCTS, LLC
ALLIANCE MANAGER, AGENT FOR BP

Bovis Lend Lease
Global Alliance
4 CENTERPOINT DRIVE
LA PALMA, CA 90623
NATIONAL SITE ADAPT CONSULTANT

BARGHAUSEN CONSULTING ENGINEERS, INC.
LAND PLANNING AND DESIGN SPECIALISTS
18215 72ND AVENUE SOUTH
KENT, WASHINGTON 98032
(425) 251-6222

NO.	DATE	REVISION DESCRIPTION
1	9/22/06	PERMIT REVISION
2	11/18/06	2ND PERMIT SUBMITTAL
3	1/19/07	PLAN CHECK COMMENTS
4	3/14/07	PER STORM CALC COMMENTS
5	10/17/07	RELOCATED SEWER AND POWER
6	10/25/07	CONSTRUCTION RELEASE
7	12/05/07	AS-BUILT

EXPIRES 01-07-1

CONFIDENTIALITY STATEMENT:
THE REPORT OF THESE MATERIALS AND INFORMATION IS THE PROPERTY OF BARGHAUSEN CONSULTING ENGINEERS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BARGHAUSEN CONSULTING ENGINEERS, INC. THE REPORTER AGREES TO HOLD THESE MATERIALS IN CONFIDENCE TO ANY OTHER PARTY AND FURTHER AGREES NOT TO MAKE COPIES OF THESE MATERIALS. THE REPORTER AGREES TO USE THESE MATERIALS ONLY FOR THE LIMITED PURPOSE FOR WHICH HE OR SHE MADE THE MATERIALS AVAILABLE AND TO RETURN THEM TO BARGHAUSEN CONSULTING ENGINEERS, INC. UPON THE COMPLETION OF THE PROJECT OR UPON THE REQUEST OF BARGHAUSEN CONSULTING ENGINEERS, INC.

DEVELOPMENT INFORMATION:

CAR WASH ADDITION
24'-0" x 48'-0"
Tilt-Wall Car Wash

SITE ADDRESS:
3521 172nd Street NE
@ 35th Avenue NE
Arlington, Washington

FAC #5583

DESIGNED BY: ALLIANCE ZABON
CHECKED BY: BP REPA
DRAWN BY: ALLIANCE PM
VERSION: PROJECT NO:
BCE#2797

DRAWING TITLE:

CAR WASH UTILITY PLAN AS-BUILT

SHEET NO:
CW2-1

CALL BEFORE YOU DIG!
1-800-424-5555

UTILITY CONFLICT NOTE:
CAUTION:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POT-HOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POT-HOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

EDGECOMB ROAD (SR 531)
(172ND STREET N.E.)

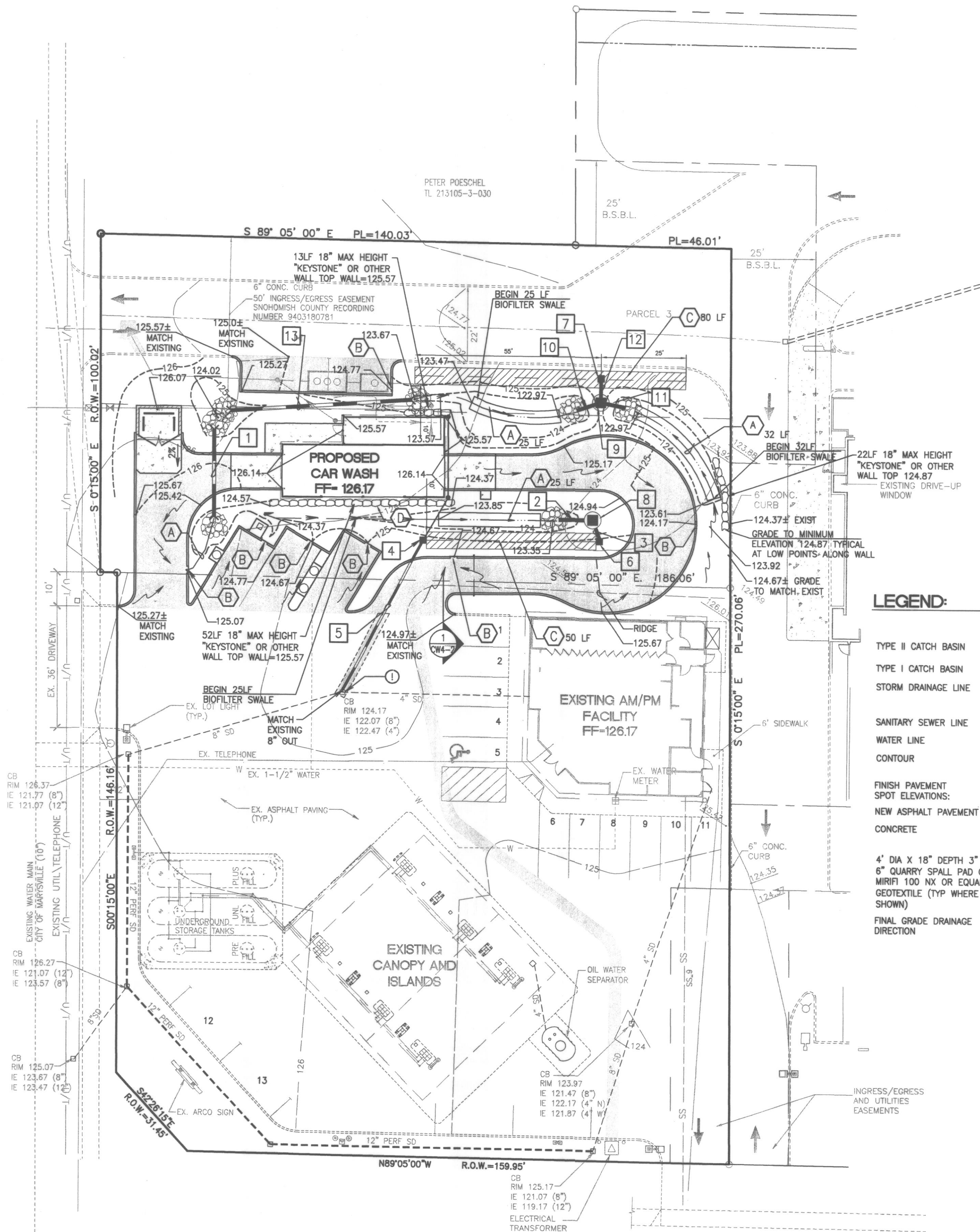
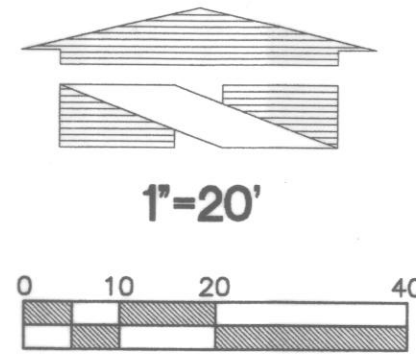
CENTERLINE OF ROAD (RIGHT TURN ONLY)

City of Marysville Approved
RECORD DRAWING
John Qualia Dec. 10, 2007

1. THE EXISTING UTILITY LOCATION/CROSSING/CONNECTION AS SHOWN IS APPROXIMATE, BASED ON FIELD SURVEYS AND "AS-BUILT" RECORDS. THE GENERAL CONTRACTOR SHALL "POT-HOLE" THE EXISTING UTILITY TO FIELD VERIFY THE MATERIAL, DIAMETER AND LOCATIONS (INCL. ELEVATIONS) PRIOR TO CONSTRUCTION. ANY DISCREPANCIES IN THE LOCATION OF THE EXISTING UTILITY OR INCOMPATIBILITY OF THE DESIGN SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS REPRESENTATIVE, AND BARGHAUSEN CONSULTING ENGINEERS (425-251-6222).

253-656-6391
27.11.2004

CIVIL - CAR WASH GRADING AND STORM DRAINAGE PLAN



LEGEND:

	PROPOSED	EXISTING
TYPE II CATCH BASIN	●	○
TYPE I CATCH BASIN	■	□
STORM DRAINAGE LINE	—	- - -
SANITARY SEWER LINE	—	- - -
WATER LINE	—	- - -
CONTOUR	- - -	- - -
FINISH PAVEMENT SPOT ELEVATIONS:	54.00	
NEW ASPHALT PAVEMENT CONCRETE	—	- - -
4' DIA X 18" DEPTH 3" - 8" QUARRY SPALL PAD OVER MIRIFI 100 NX OR EQUAL GEOTEXTILE (TYP WHERE SHOWN)	●	
FINAL GRADE DRAINAGE DIRECTION	→	

GRADING and DRAINAGE PLAN NOTES

- ALL WORK AND MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH CURRENT INTERNATIONAL BUILDING AND/OR PLUMBING CODES AND CITY OF ARLINGTON CONSTRUCTION STANDARDS AND DESIGN STANDARDS.
- ALL EXISTING UTILITIES WITHIN PROJECT LIMITS SHALL BE ADJUSTED TO GRADE OR RELOCATED AS NOTED.
- ALL UTILITY LIDS, COVER, ETC. LOCATED IN THE PAVEMENT AREAS SHALL BE ADJUSTED TO GRADE AFTER ASPHALT WORK IS COMPLETE. UTILITY LIDS, COVERS, ETC. LOCATED IN CONCRETE FLAT WORK SHALL BE ADJUSTED TO GRADE PRIOR TO FLAT WORK INSTALLATION.
- ALL ITEMS OF WORK NOT LISTED IN THE BID PROPOSAL WHICH ARE SHOWN ON THE CONTRACT DRAWINGS AND ARE REQUIRED TO COMPLETE THE WORK THAT IS SHOWN SHALL BE CONSIDERED INCIDENTAL TO THE LISTED BID ITEMS.
- CATCHBASINS ARE TO BE EITHER TYPE 1 OR TYPE 2 AS LISTED ON THE DRAWINGS AND PER WSDOT STD. PLANS B-5.20.00 (TYPE 1) AND B-10.20.00 (TYPE 2).
- STORM DRAINAGE PIPE SHALL BE AS SHOWN ON THE PLANS:
 - A) CPEP AS MANUF. BY EITHER "ADS" WTIB SERIES, OR "HANCOR" BLUE SEAL
 - B) PVC (SDR 35) WITH RUBBER GASKETS AND IN ACCORDANCE WITH ASTM D 3034.
 - C) DUCTILE IRON
- BELOW GRADE DOWNSPOUT PIPE SHALL BE CPEP, PROVIDE BELOW GRADE REDUCERS AND FLEX COUPLES AS NEEDED TO CONNECT WITH ABOVE GRADE DOWNSPOUT PIPING. ABOVE GRADE DOWNSPOUT PIPE SHALL BE AS SHOWN ON ARCHITECTURAL DRAWINGS.
- ALL SPOT ELEVATIONS SHOWN ON THE PLAN ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
- CAUTION - EXTREME HAZARD - OVERHEAD AND UNDERGROUND ELECTRICAL SERVICE LINES ARE GENERALLY NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF ANY HAZARD CREATED BY OVERHEAD OR UNDERGROUND ELECTRICAL POWER IN ALL AREAS AND SHALL FOLLOW PROCEDURES DURING CONSTRUCTION AS REQUIRED BY LAW AND REGULATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH UTILITY OWNERS AND DETERMINE THE EXTENT OF HAZARD AND REMEDIAL MEASURES AND SHALL TAKE WHATEVER PRECAUTIONS THAT MAY BE REQUIRED.
- UNLESS OTHERWISE SHOWN ON THE PLANS ALL SIDE SLOPES SHALL BE 2:1 (MAXIMUM).
- THE EXISTING STORM SERVICE SHOWN IS APPROXIMATE, BASED ON FIELD SURVEYS AND "AS-BUILT" RECORDS. THE GENERAL CONTRACTOR SHALL "POTHOLE" THE EXISTING STORM PIPE TO VERIFY THE DIAMETER AND LOCATION (INCL. ELEVATIONS) PRIOR TO CONSTRUCTION. ANY DISCREPANCIES IN THE LOCATION OF THE EXISTING PIPE OR INCOMPATIBILITY OF THE DESIGN SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS REPRESENTATIVE, AND BARGHAUSEN CONSULTING ENGINEERS (425-251-6222).
- CONTRACTOR SHALL GRADE TO PROVIDE POSITIVE GRADES AND DRAINAGE WITH NO PONDING, PUDDLES OR ABRUPT GRADE TRANSITIONS. FIELD VERIFY EXISTING MATCH ELEVATIONS AND CONFIRM ANY DISCREPANCIES OF THE GRADES OR INCOMPATIBILITY OF THE DESIGN SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS REPRESENTATIVE AND BARGHAUSEN CONSULTING ENGINEERS (425-251-6222).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING AND/OR EXPORTING ALL MATERIAL AS REQUIRED TO PROPERLY GRADE THIS SITE TO THE FINISHED ELEVATIONS SHOWN HEREON IN ACCORDANCE WITH THE APPROVED PLANS, SPECIFICATIONS, AND THE SOILS ENGINEER'S RECOMMENDATIONS.
- THE OPERATOR OF THIS FACILITY SHALL BEAR ALL RESPONSIBILITY FOR ROUTINE MAINTENANCE OF THE DRAINAGE SYSTEM. ROUTINE MAINTENANCE SHALL INCLUDE CHECKING THE CATCH BASIN GRATES AND SUMPS FOR SEDIMENT BUILDUP EVERY 6 MONTHS. THE SUMPS SHALL BE EMPTED WHEN BUILDUP IS WITHIN 6 INCHES (6") OF THE FLOW LINE.

GENERAL NOTES:

- REFER TO CIVL-SITE PLAN (SHEET CW1-2) FOR ALL HORIZONTAL CONTROL AND OTHER SITE DEVELOPMENT INFORMATION.
- SEE SHEET L1 FOR GRADING REQUIREMENTS WITHIN LANDSCAPE PLANTER AREAS.

① THE EXISTING UTILITY LOCATION/CROSSING/CONNECTION AS SHOWN IS APPROXIMATE, BASED ON FIELD SURVEYS AND "AS-BUILT" RECORDS. THE GENERAL CONTRACTOR SHALL "POTHOLE" THE EXISTING UTILITY TO FIELD VERIFY THE MATERIAL, DIAMETER AND LOCATIONS (INCL. ELEVATIONS) PRIOR TO CONSTRUCTION. ANY DISCREPANCIES IN THE LOCATION OF THE EXISTING UTILITY OR INCOMPATIBILITY OF THE DESIGN SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS REPRESENTATIVE, AND BARGHAUSEN CONSULTING ENGINEERS (425-251-6222).

STORM DATA:

1	30 LF 8" DI @ 0.50% IE=124.27 (S) IE=124.12 (N)	10	5 LF 8" PVC @ 2.0% IE=123.33 (INLET)
2	5 LF 8" PVC @ 2.0% IE=123.33 (INLET W)	11	5 LF 8" PVC @ 2.0% IE=123.33 (INLET)
3	5 LF 8" PVC @ 11.2%	12	5 LF 8" PVC @ 2.0%
4	CB 5 TYPE 1 (SOLID COVER) SEE DETAIL 10/CW4-2 RIM= 125.17 IE= 122.67 (12") IE= 123.67 (4" OVERFLOW) IE= 123.67 (4" FROM DOWNSPOUT)	13	55 LF 8" PVC @ 0.50% IE=123.69 (E)
5	50 LF 4" D.I. CL50 @ 3.2% (OVERFLOW LINE TO EXISTING STORM)	A	BIO-FILTER SWALE @ 2.0% SLOPE
6	CB 1 TYPE 1 (SOLID COVER) RIM= 125.17 IE= 122.67 (ALL)	B	2' WIDE CURB BREAK TO ALLOW DRAINAGE FLOW FROM PAVEMENT TO BIO-FILTER SWALE
7	CB 2 TYPE 1 (SOLID COVER) RIM= 125.17 IE= 122.67 (ALL)	C	INFILTRATION TRENCH AS PER DETAIL 1A/CW4-2
8	CB 3 TYPE 2, 48" (SOLID COVER) RIM= 125.17 IE= 123.23	D	4" PVC FROM BLDG DOWNSPOUT
9	CB 4 TYPE 2, 48" (SOLID COVER) RIM= 125.17 IE= 122.77 (ALL)		

CALL BEFORE YOU DIG:
1-800-424-5555

UTILITY CONFLICT NOTE:
CAUTION:
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EDGECOMB ROAD (SR 531)
(172ND STREET N.E.)

CENTERLINE OF ROAD (RIGHT TURN ONLY)

CITY OF ARLINGTON	
THIS SHEET AS BEEN APPROVED PER CONDITIONS ON THE COVER SHEET	
CONSTRUCTION	AS-BUILT ACKNOWLEDGMENT
BY: _____ CITY ENGINEER	BY: _____ CITY ENGINEER
BY: _____	BY: _____

CLIENT:

BP WEST COAST PRODUCTS, LLC
ALLIANCE MANAGER, AGENT FOR BP

Bovis
Land Lease

Global Alliance
4 CENTERPOINTE DRIVE
LA PALMA, CA 92651

NATIONAL SITE ADAPT CONSULTANT:

BARGHAUSEN
CONSULTING ENGINEERS, INC.

"LAND PLANNING AND DESIGN SPECIALISTS"
18215 72ND AVENUE SOUTH
KENT, WASHINGTON 98032
(425) 251-6222

NO.	DATE	REVISION DESCRIPTION
1	9/22/06	PERMIT REVISION
2	11/18/06	2ND PERMIT SUBMITTAL
3	1/19/07	PLAN CHECK COMMENTS
4	3/14/07	PER STORM CALC COMMENTS
5	10/17/07	RELOCATED SEWER AND POWER
6	10/25/07	CONSTRUCTION RELEASE
7	12/05/07	AS-BUILT

SEAL:

CONFIDENTIALITY STATEMENT:
THE RECIPIENT OF THESE MATERIALS UNDERSTANDS THAT THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED AND IS NOT TO BE RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF THE RECIPIENT. THE RECIPIENT AGREES TO MAINTAIN THE CONFIDENTIALITY OF THIS INFORMATION AND TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THIS INFORMATION FROM UNAUTHORIZED DISCLOSURE. THE RECIPIENT AGREES TO USE THIS INFORMATION ONLY FOR THE PURPOSES SPECIFIED IN THIS STATEMENT AND TO RETURN ALL MATERIALS TO THE ISSUING PARTY UPON COMPLETION OF THE INTENDED PURPOSE OR UPON THE REQUEST OF THE ISSUING PARTY.

DEVELOPMENT INFORMATION:
CAR WASH ADDITION
24'-0" X 48'-0"
Tilt-Wall Car Wash

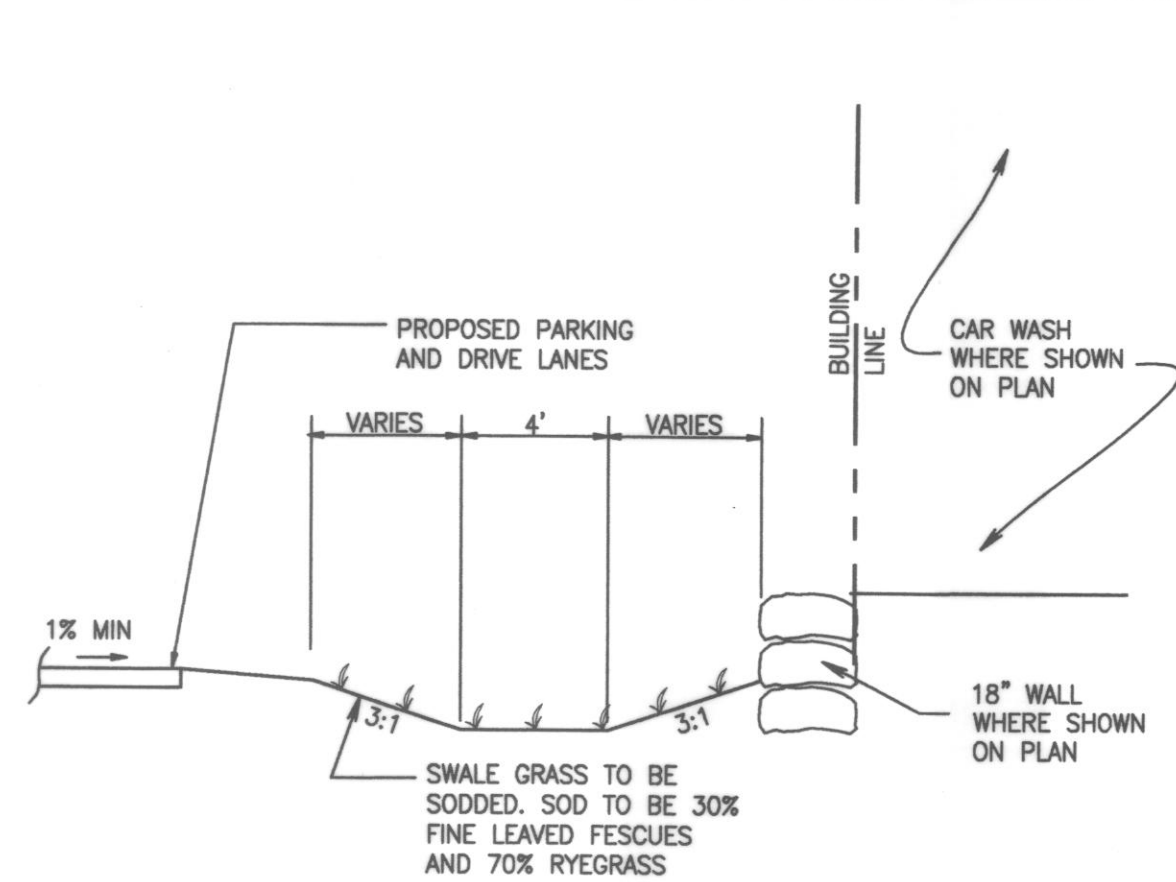
SITE ADDRESS:
3521 172nd Street NE
@ 35th Avenue NE
Arlington, Washington

FAC #5583

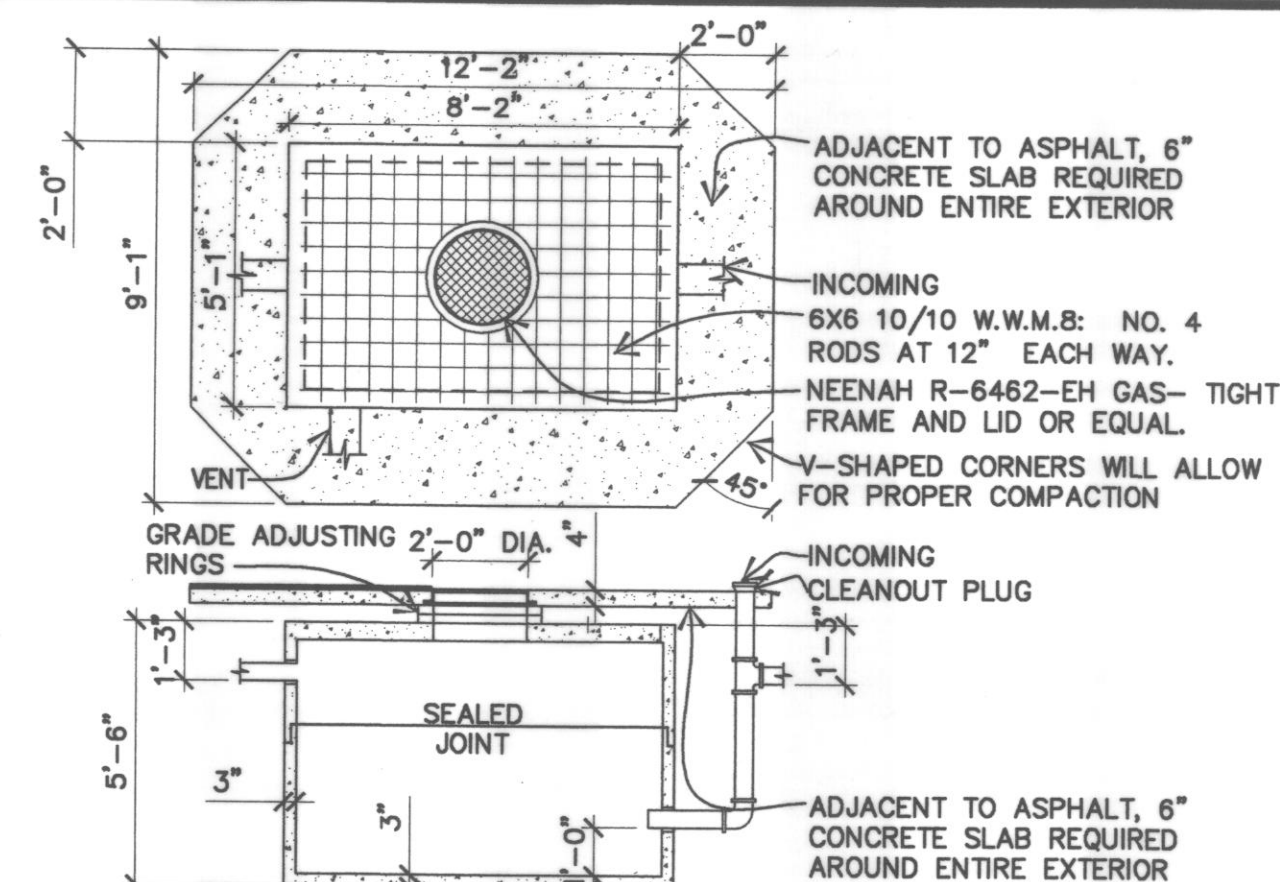
DESIGNED BY: ALLIANCE ZADM
CHECKED BY: BP REPA
DRAWN BY: ALLIANCE PMS
VERSION: PROJECT NO: BCE#2797

DRAWING TITLE:
GRADING AND DRAINAGE PLAN
AS-BUILT

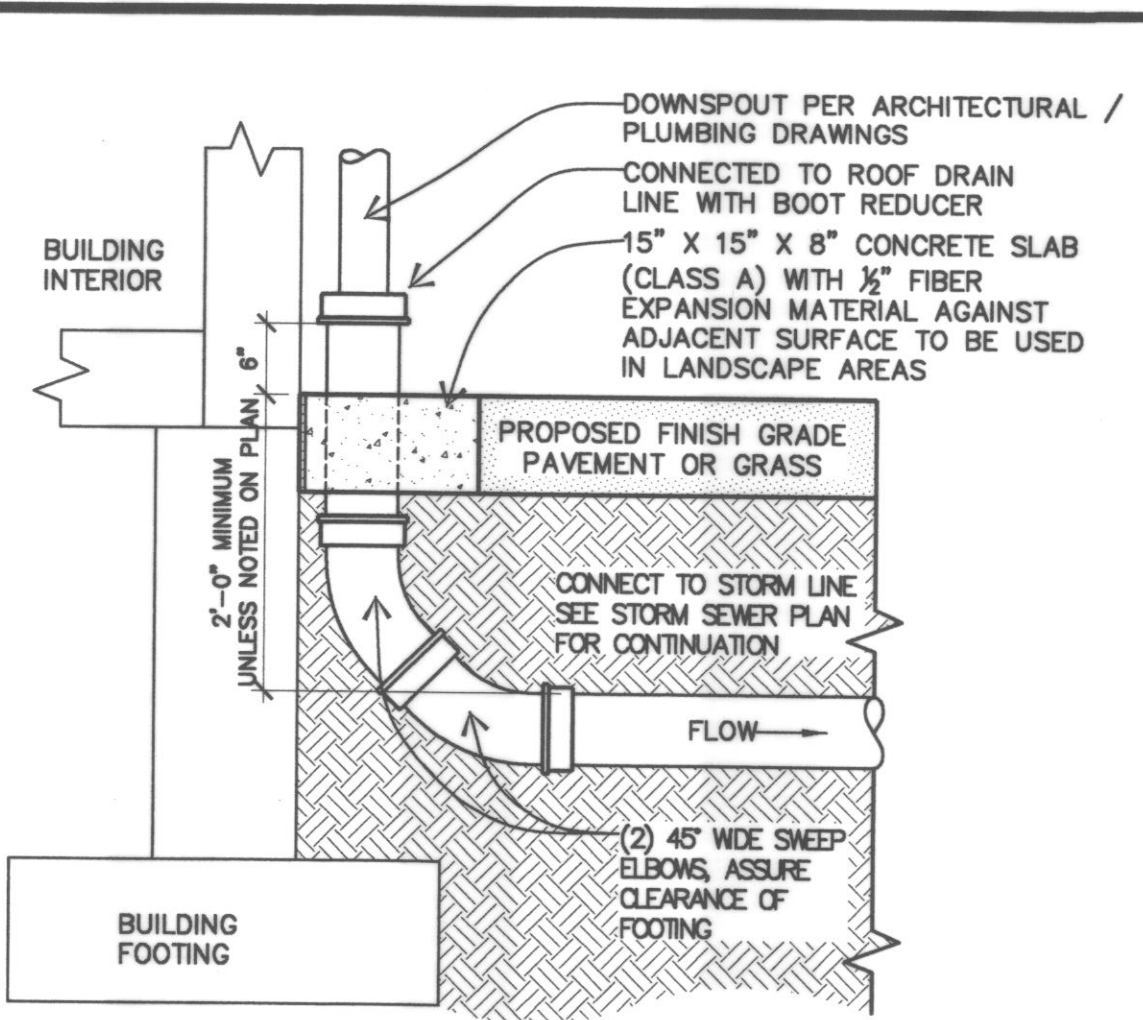
SHEET NO:
CW3-1



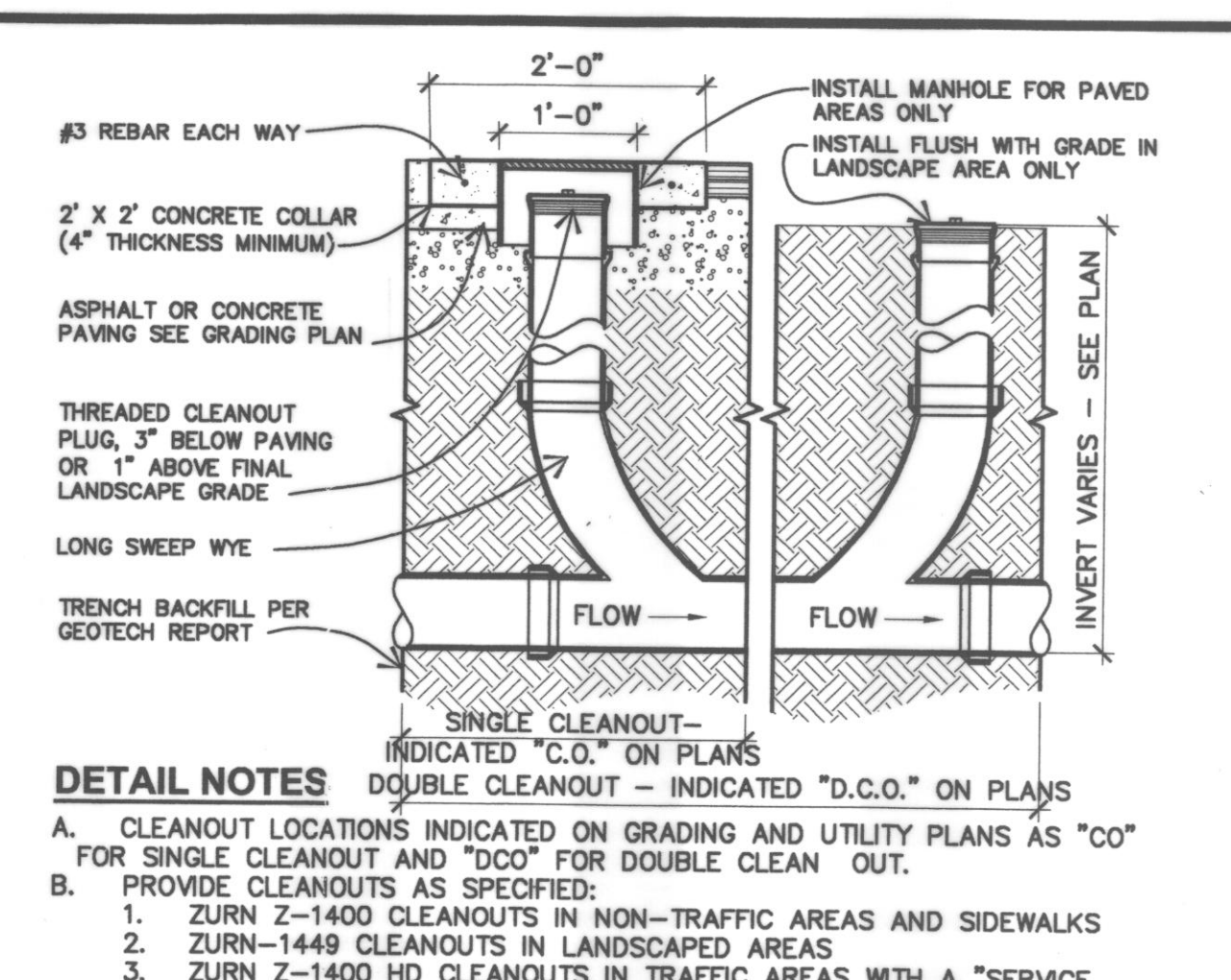
1 TYPICAL BIOFILTER SWALE CROSS SECTION
SCALE: 1"=5'



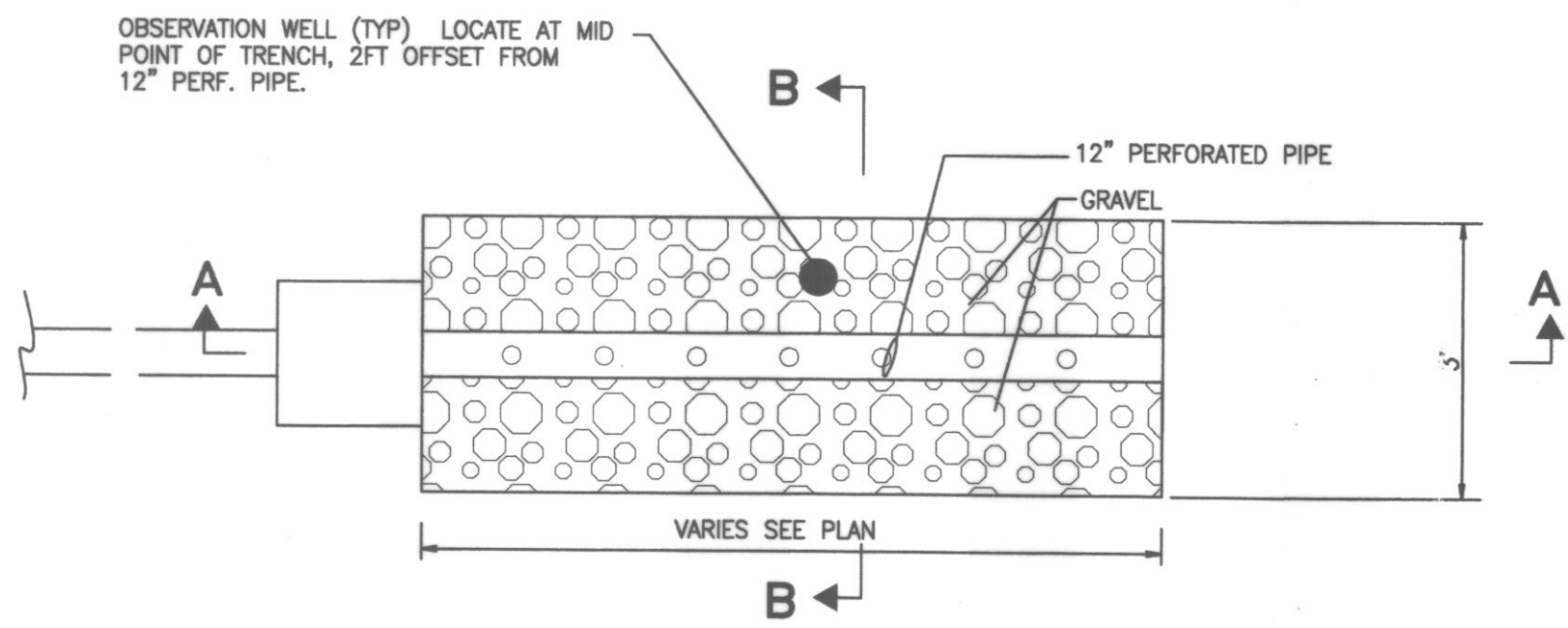
3 MUD/OIL/SOLIDS SEP., PRECAST DETAIL
NOT TO SCALE



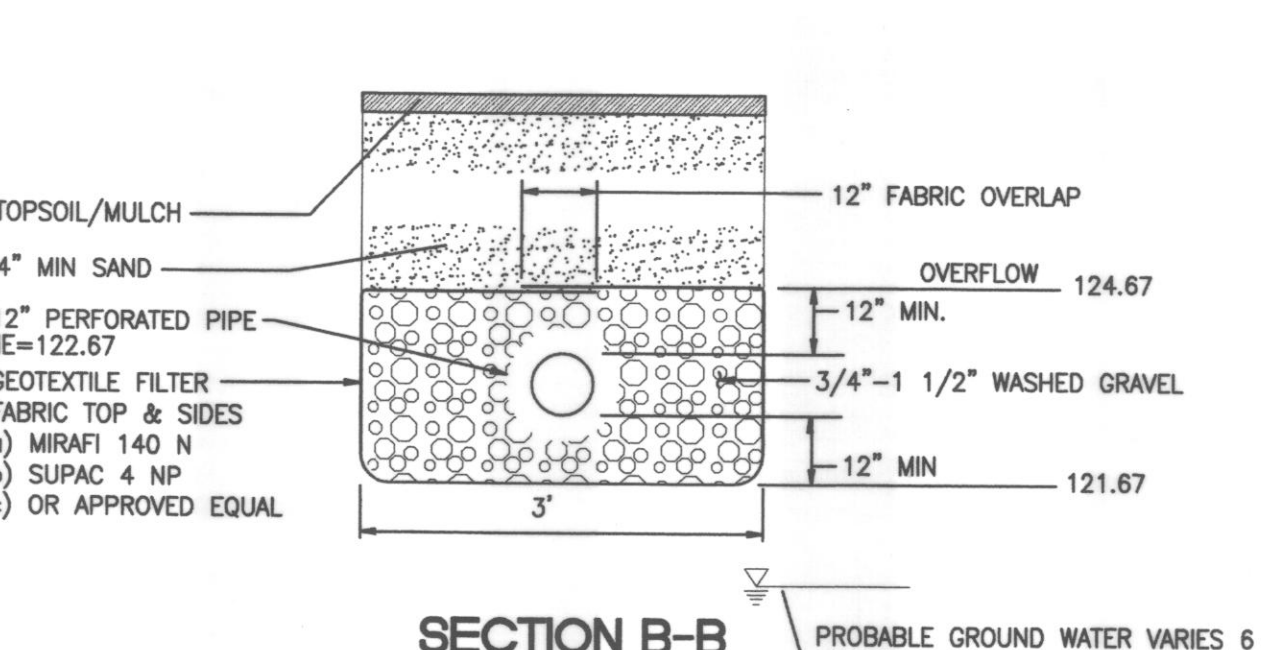
5 EXTERIOR DOWNSPOUT BOOT DETAIL
NOT TO SCALE



6 PIPE CLEANOUT DETAIL
NOT TO SCALE



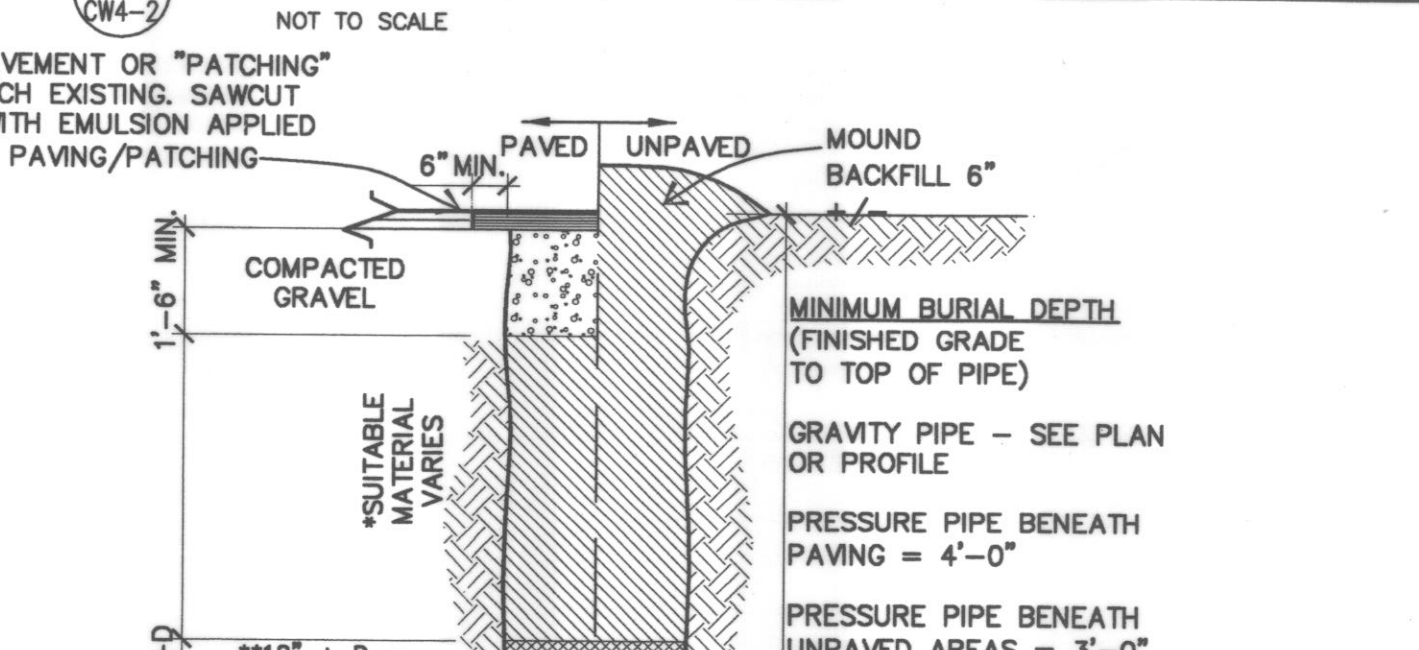
1A INFILTRATION TRENCH - TYPICAL DETAIL SECTION
NOT TO SCALE



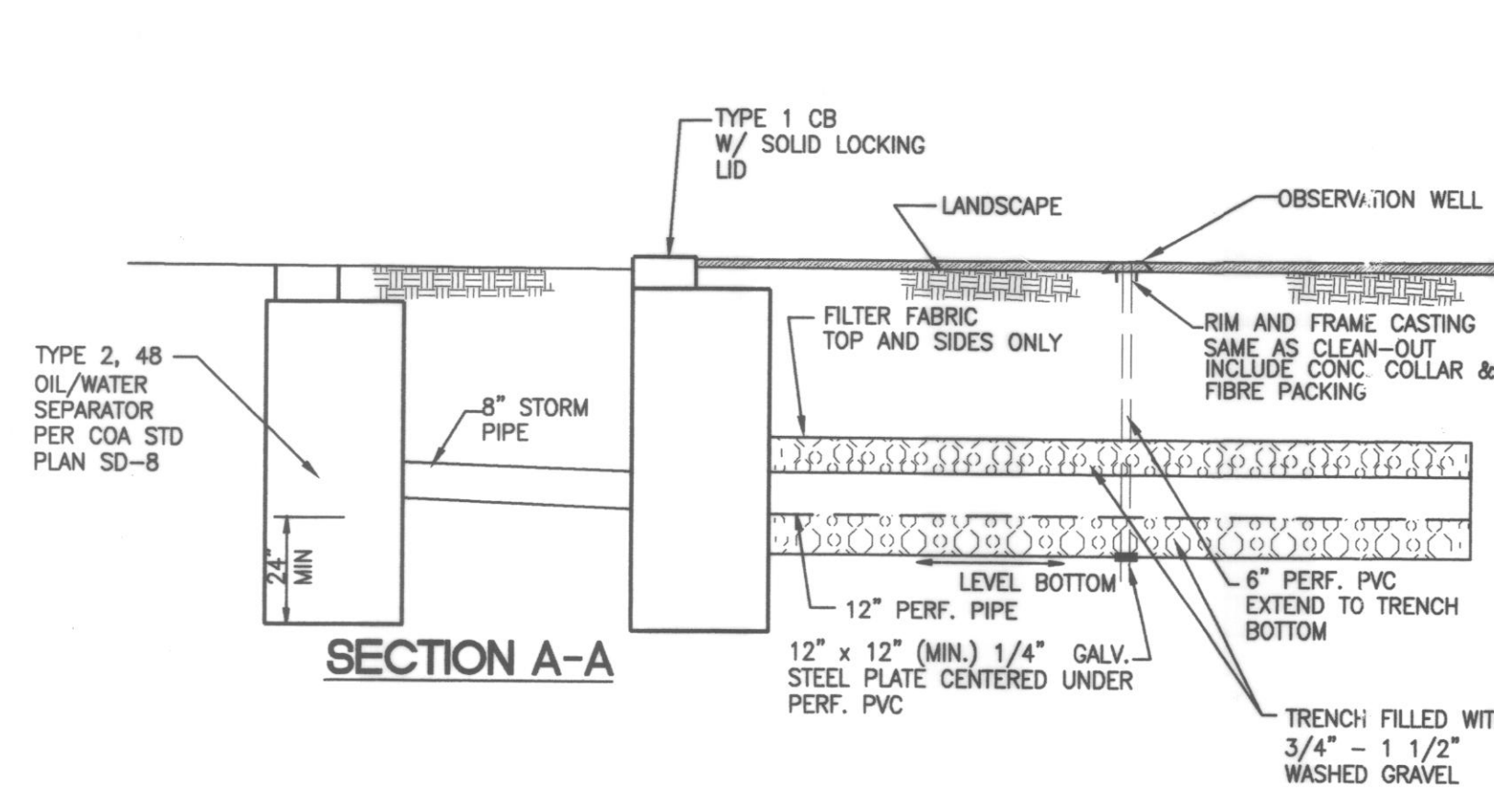
1C TYPE 1 CB#5 SCHEMATIC DETAIL
SCALE: 1"=1'-0"



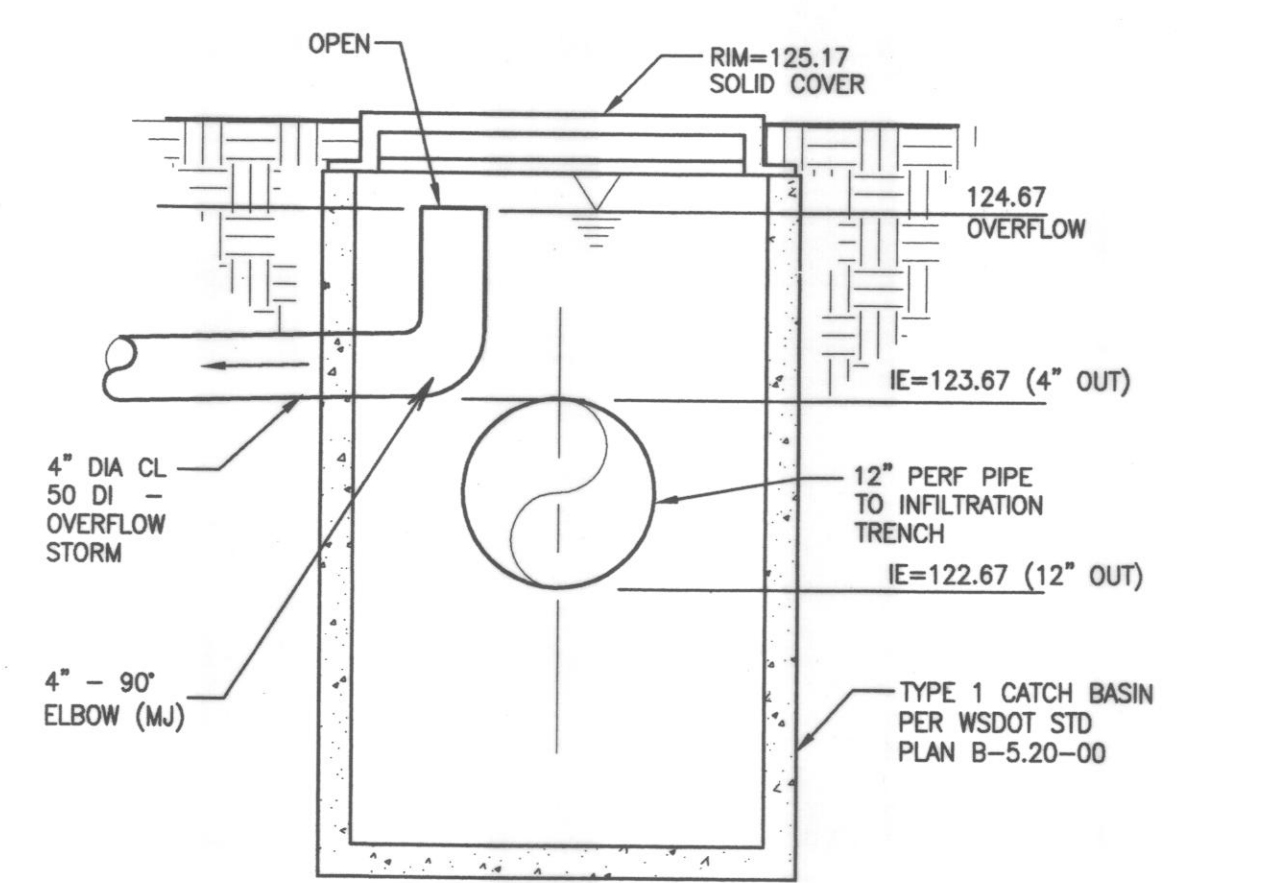
4 OVERHEIGHT WARNING BAR
NOT TO SCALE



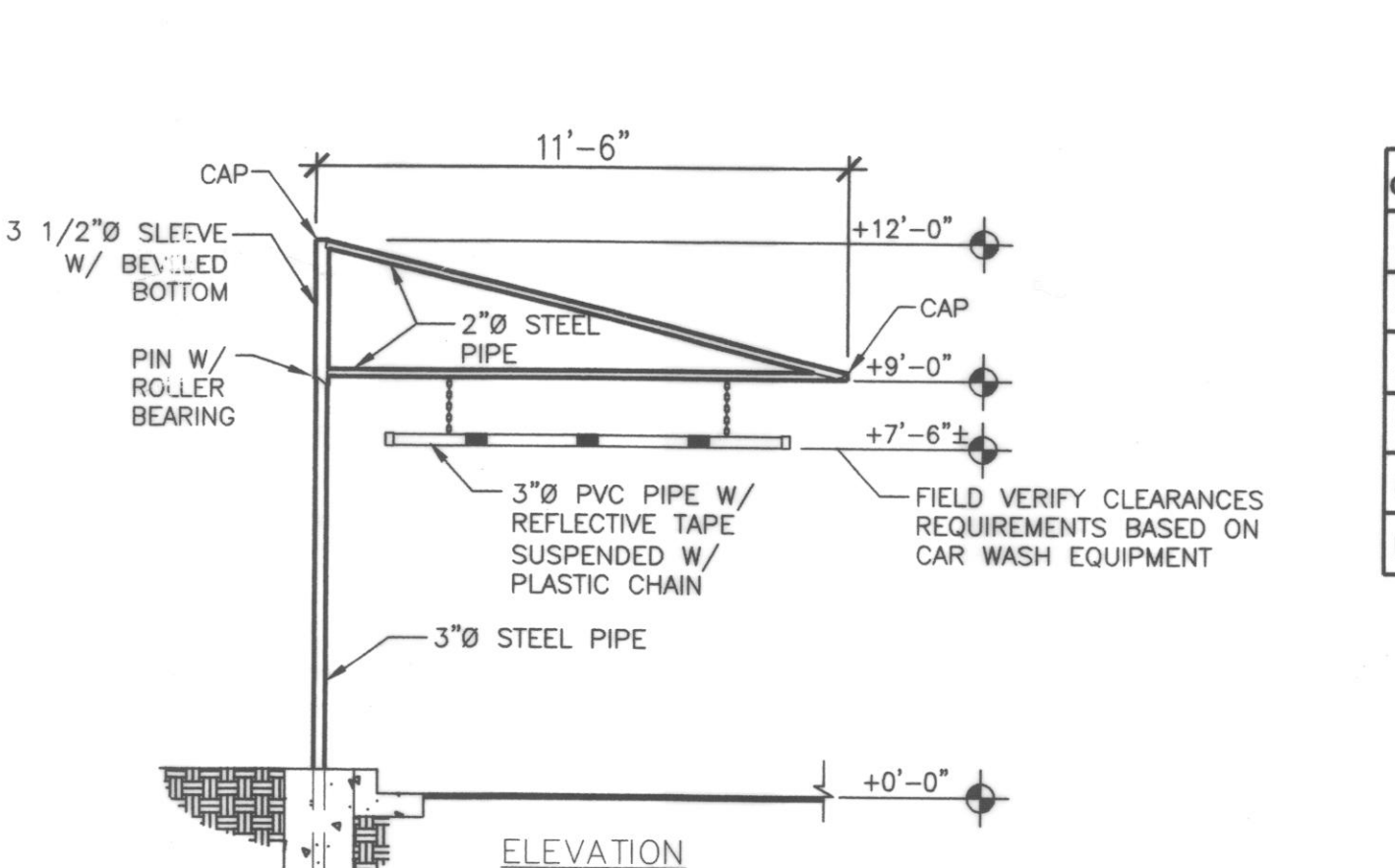
7 TYPICAL TRENCH AND BEDDING SECTION
NOT TO SCALE



2 RECLAIM TANK SYSTEM DETAIL (OIL/WATER SEPARATOR)
NOT TO SCALE



SECTION B-B



8 TYPICAL DIRECTIONAL ARROW DETAIL
NOT TO SCALE

BACKFILL SCHEDULE ***

CONDITION & PIPE	**SELECT MATERIAL	LINING MATERIAL	THICKNESS
DUCTILE IRON PIPE IN "ORDINARY SOIL"	TYPE I, II, III SAND OR SAND OR TYPE III	TYPE III	3"
RCP PIPE IN "ORDINARY SOIL"	TYPE II, III SAND OR TYPE III	TYPE III	3"
ALL PIPE OVER BEDROCK OR LEDGE	TYPE II, III SAND OR TYPE III	TYPE III	6"
DUCTILE IRON PIPE IN CLAY OR MUCK	TYPE II, III SAND	SAND	4"
RCP PIPE IN CLAY	TYPE II, III SAND	SAND OR TYPE III	6"
PLASTIC-ALL	SAND OR TYPE III	SAND OR TYPE III	6"

TRENCH INSTALLATION NOTES

A. WHERE BACKFILL IS DESIGNATED "COMPACTED", THIS MEANS 90% TO 95% STANDARD PROCTOR, AASHTO T-99. ALL FILL PLACED BELOW PIPES AND STRUCTURES MUST MEET THIS REQUIREMENT.

B. FOR ALL TRENCHES WITH A GRADE GREATER THAN 4% AND/OR WHERE GROUNDWATER IS APPARENT, INSTALL CLAY DAMS AROUND PIPE AT 100' INTERVALS.

***** UNLESS OTHERWISE NOTED ON PLANS**

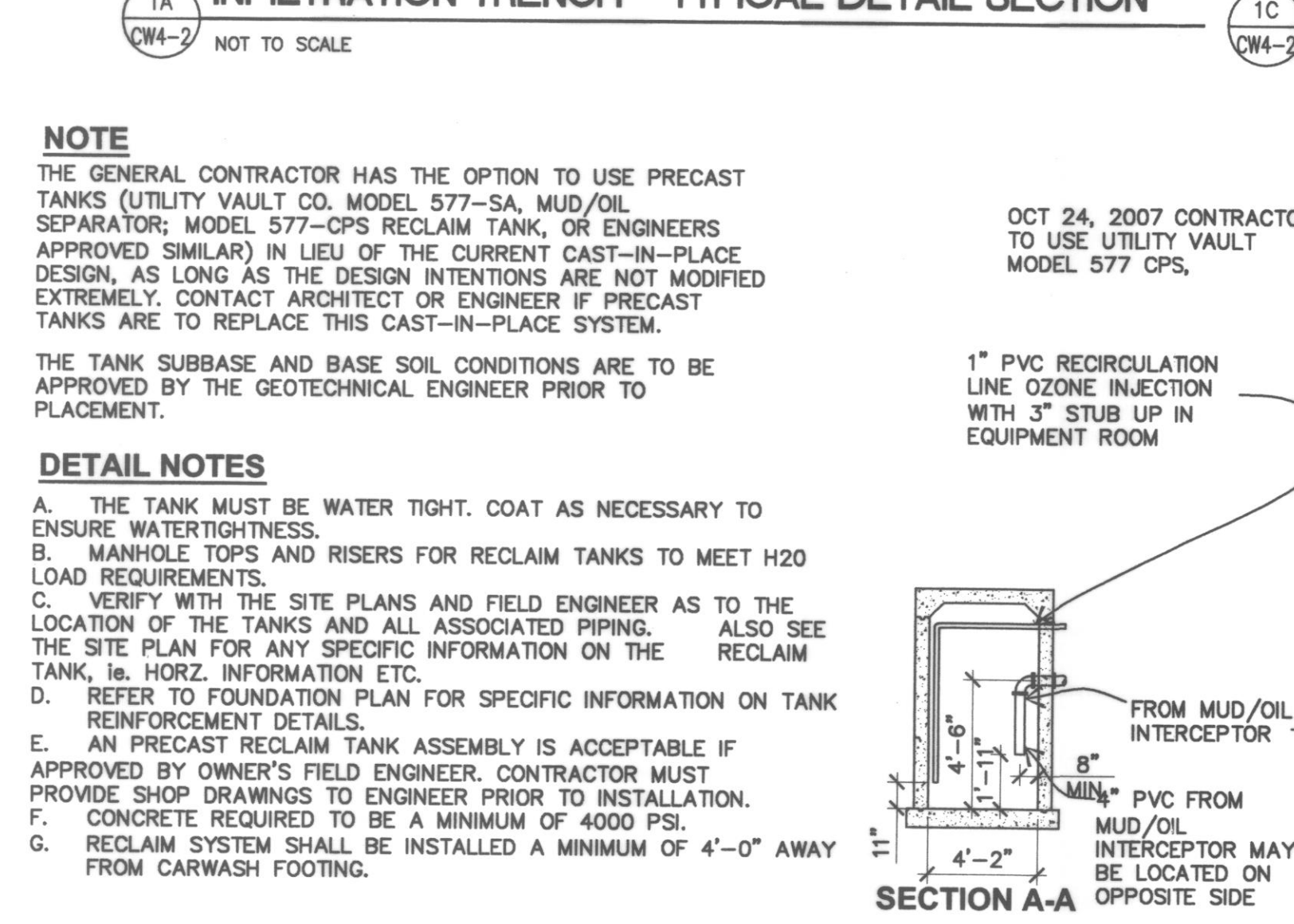
** PAVEMENT AREA BACKFILL 100% - 5/8" MINUS CRUSHED ROCK; SUITABLE MATERIAL SHOULD CONTAIN NO STONES GREATER THAN 4" IN DIAMETER, NO FROZEN LUMPS, AND ONLY MINOR AMOUNTS OF CLAY OR ORGANIC MATERIAL. ALL MATERIAL TO BE PLACED IN MAXIMUM OF 12" LIFTS AND COMPACTED BEFORE PLACING NEXT LIFT.

** TYPE I MATERIAL SHALL BE EITHER GRAVEL OR EXCAVATED MATERIAL CONTAINING NO STONES GREATER THAN 1 1/2" IN DIAMETER, NO FROZEN LUMPS, NO CLAY, AND NO ORGANIC MATERIAL.

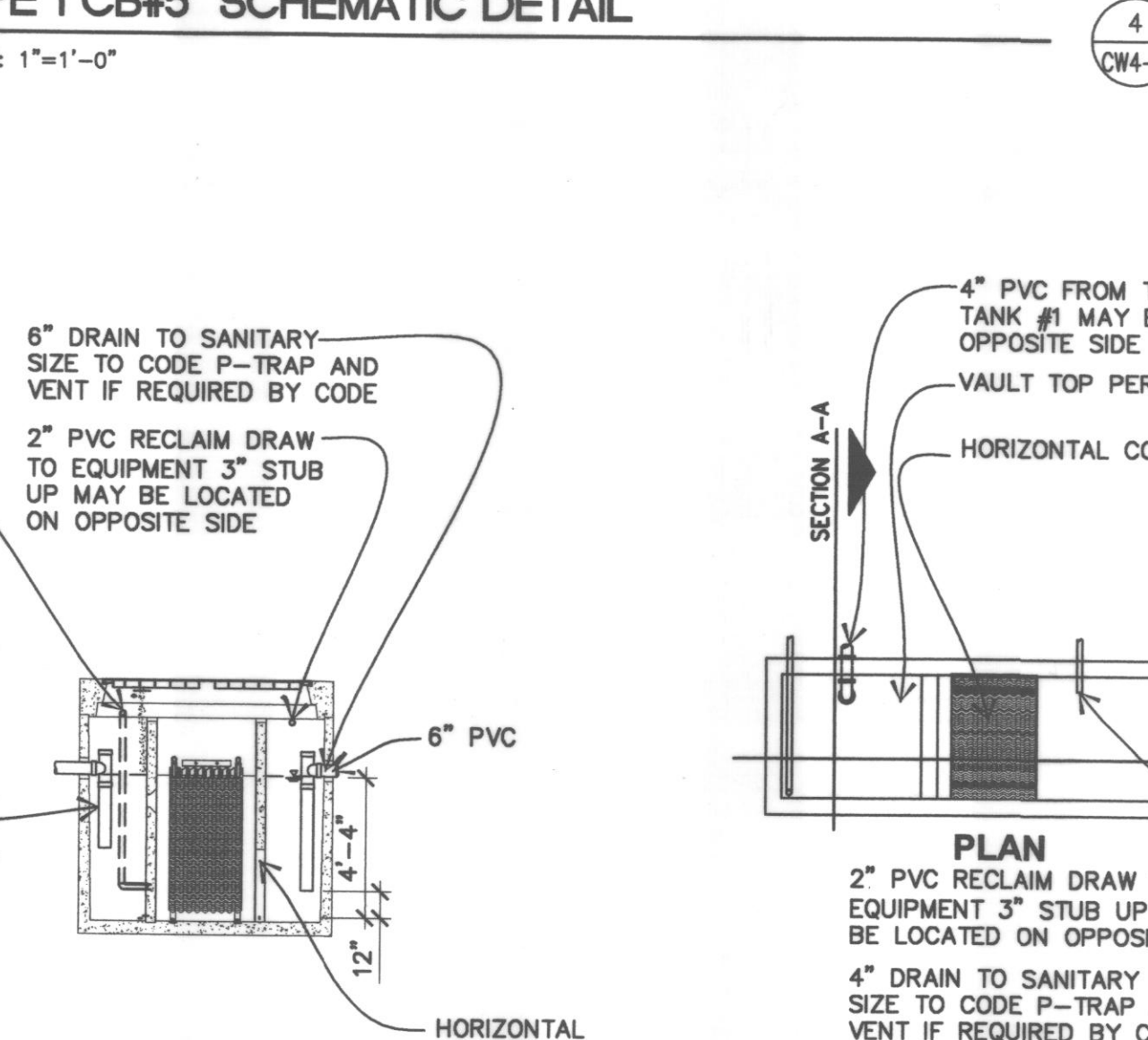
** TYPE II MATERIAL SHALL BE CLEAN, HARD, CRUSHED OR NATURAL STONE WITH A GRADATION BY WEIGHT OF 100% PASSING A 1 1/2" SQUARE OPENING, NOT MORE THAN 25% PASSING A 3/4" SQUARE OPENING AND NOT MORE THAN 5% PASSING A 1/2" SQUARE OPENING.

** TYPE III MATERIAL SHALL BE CLEAN, HARD, CRUSHED STONE FREE FROM COATINGS AND THOROUGHLY WASHED WITH A GRADATION BY WEIGHT OF 100% PASSING A 1" SQUARE OPENING AND 0-5% PASSING A 3/4" SQUARE OPENING.

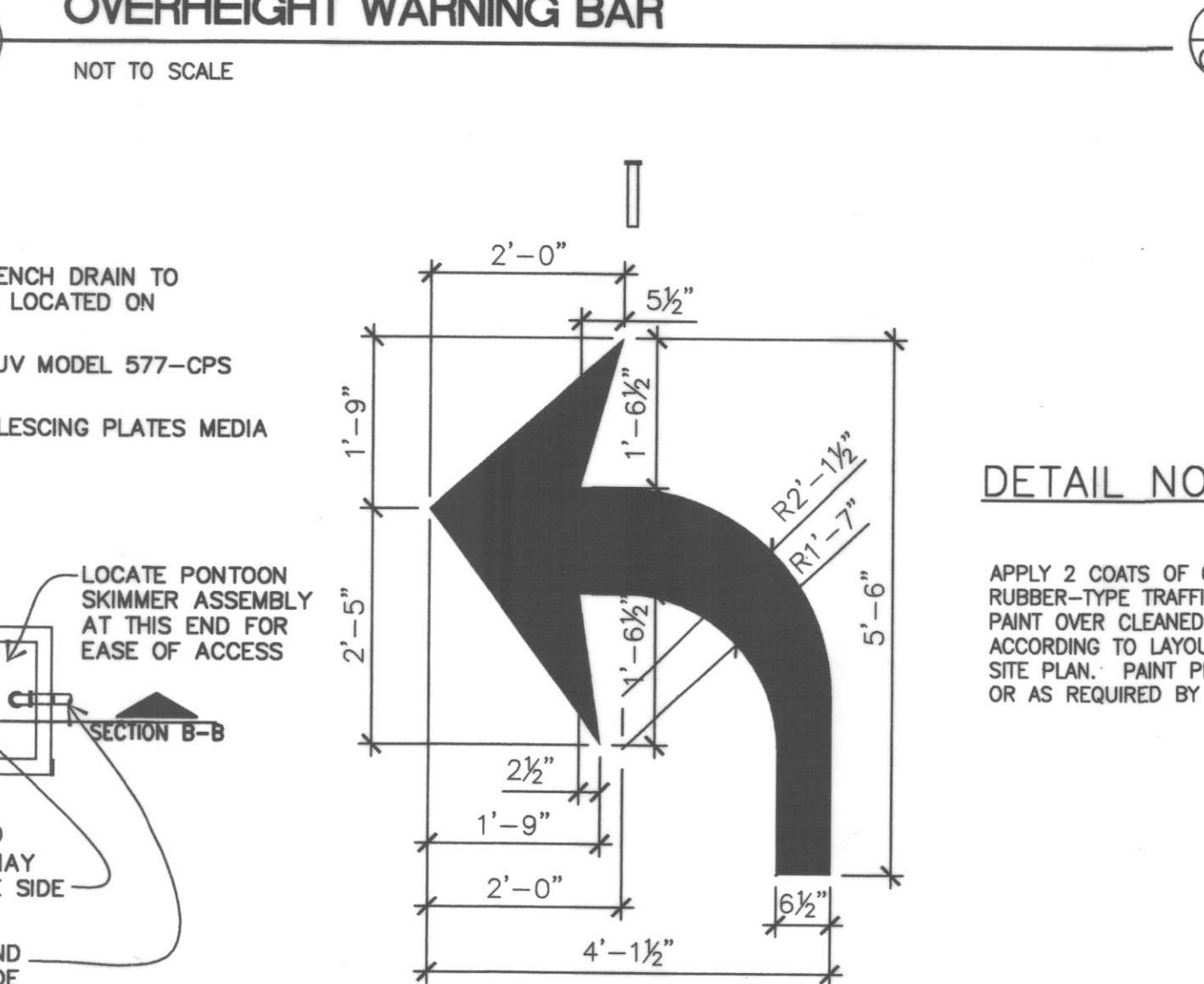
9 TYPICAL TRENCH AND BEDDING SECTION
NOT TO SCALE



2 RECLAIM TANK SYSTEM DETAIL (OIL/WATER SEPARATOR)
NOT TO SCALE



SECTION B-B



8 TYPICAL DIRECTIONAL ARROW DETAIL
NOT TO SCALE

CITY OF MARYSVILLE

CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGEMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY BE INCLUDED, BUT ARE NOT LIMITED TO, WSDFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ANY CORP OF ENGINEERS FULL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS _____ DAY OF _____, 200__.

BY: JOHN COWLING, PE, ENGINEERING SERVICES MANAGER, LAND DEVELOPMENT

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE.

CITY OF ARLINGTON

THIS SHEET AS BEEN APPROVED PER CONDITIONS ON THE COVER SHEET

CONSTRUCTION AS-BUILT ACKNOWLEDGMENT

BY: _____ CITY ENGINEER

BY: _____ CITY ENGINEER

9 TYPICAL TRENCH AND BEDDING SECTION
NOT TO SCALE

ARCO
BP WEST COAST PRODUCTS, LLC
ALLIANCE MANAGER, AGENT FOR BP

Bovis
Land Lease
Global Alliance
4 CENTERPOINTE DRIVE
LA PALMA, CA 92252
NATIONAL SITE ADAPT CONSULTANT:

BARGHAUSEN
CONSULTING ENGINEERS, INC.

"LAND PLANNING AND DESIGN SPECIALISTS"
18215 72ND AVENUE SOUTH
KENT, WASHINGTON 98032
(425) 251-6222

NO.	DATE	REVISION DESCRIPTION
1	9/22/06	PERMIT REVISION
2	11/16/06	2ND PERMIT SUBMITTAL
3	1/19/07	PLAN CHECK COMMENTS
4	3/14/07	PER STORM CALC COMMENTS
5	10/17/07	RELOCATED SEWER AND POWER
6	10/25/07	CONSTRUCTION RELEASE
7	12/05/07	AS-BUILT

SEAL: JAY S. GRUBER
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 01-07-08

CONFIDENTIALITY STATEMENT:
THE RECIPIENT OF THESE MATERIALS UNDERSTANDS THAT CONFIDENTIALITY IN THESE MATERIALS IS COVERED BY BP AND ALSO CONFIDENTIAL BUSINESS INFORMATION OF BP. ACCORDINGLY, THE RECIPIENT AGREES TO RETURN THESE MATERIALS TO BP UPON REQUEST AND TO MAINTAIN THE CONFIDENTIALITY OF THESE MATERIALS. THE RECIPIENT AGREES TO USE THESE MATERIALS ONLY FOR THE LIMITED PURPOSES FOR WHICH THEY WERE SUBMITTED AND TO NOT DISCLOSE THEM TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF BP. THIS AGREEMENT SHALL BE VOID IF THE RECIPIENT IS NOT A PARTY TO THIS AGREEMENT. THE RECIPIENT AGREES TO RETURN ALL MATERIALS TO BP UPON REQUEST OF BP. UNLESS OTHERWISE NOTED ON PLANS.

DEVELOPMENT INFORMATION:

CAR WASH ADDITION
24'-0"x48'-0"
Tilt-Wall Car Wash

SITE ADDRESS:
3521 172nd Street NE
@ 35th Avenue NE
Arlington, Washington

FAC #5583

DESIGNED BY: ALLIANCE ZONE
CHECKED BY: BP REPAIR
DRAWN BY: ALLIANCE INC.
VERSION: PROJECT NO: BCE#2797

DRAWING TITLE:
CIVIL CAR WASH DETAILS AS-BUILT

SHEET NO: _____

CW4-2