

INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN REPLACEMENT

ENGINEER

THE BLUELINE GROUP
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SURVEYOR

SITE SURVEYING, INC.
21923 NE 11TH ST
SAMMAMISH, WA 98074
(425) 290-4412
CONTACT: THOMAS K. WOLDENDORP, PLS

OWNER

SAMMAMISH PLATEAU
WATER AND SEWER DISTRICT

CONTACT: JACKSON DOVE, P.E.
PHONE: (425) 392-6256

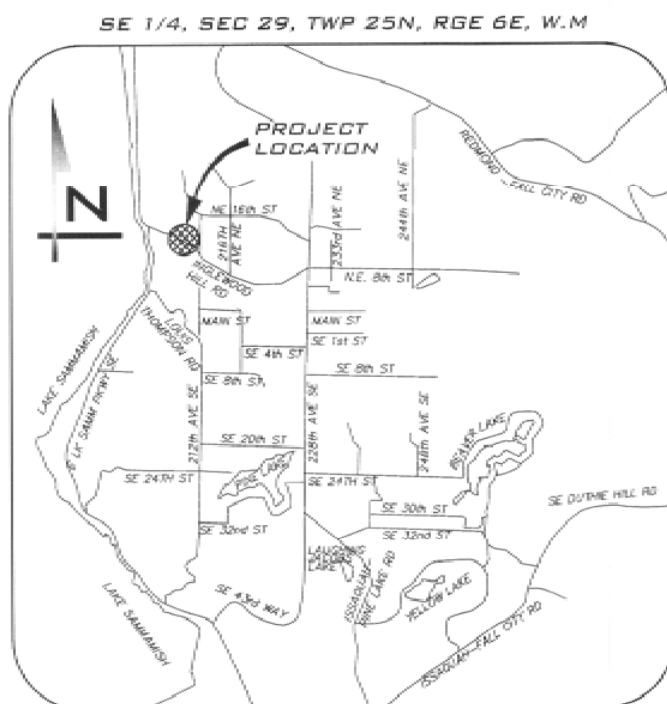
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LEGEND	
PROPOSED FEATURES	
---	WATER MAIN
---	WATER SERVICE
●	FIRE HYDRANT
●	AIR/VAC RELEASE VALVE
●	BLOW OFF
●	WATER METER
---	GATE VALVE
---	TEE W/ CONC BLOORING
---	BEND W/ CONC BLOORING
---	REDUCER
---	SLEEVE
---	COUPLING
EXISTING FEATURES	
---	ADJACENT PLAT/PARCEL LINE
---	ADJACENT RIGHT-OF-WAY/LOTS CENTERLINE
---	CASEMENT
---	SURFACE FEATURES
---	1' CONTOURS
---	2' CONTOURS
---	SD STORM DRAIN PIPE
---	SS SEWER MAIN
---	FM SEWER FORCE MAIN
---	W WATER MAIN
---	HP AERIAL POWER LINE
---	P BURIED POWER LINE
---	G GAS MAIN
---	C BURIED CABLE
---	TV BURIED TV
---	OTV AERIAL TV
---	T BURIED TELEPHONE LINE
---	HT AERIAL TELEPHONE LINE
---	P/T BURIED POWER/TELEPHONE
---	HT/P AERIAL POWER/TELEPHONE
---	FO BURIED FIBER OPTIC CABLE
---	ROCKERY
□	CATCH BASIN, TYPE I
□	CATCH BASIN, TYPE II
○	SD PIPE FLOW
○	SEWER MANHOLE
○	SEWER CLEANOUT
○	SS PIPE FLOW
○	FIRE HYDRANT
○	WATER METER
○	GATE VALVE
○	WATER MANHOLE
○	AIR/VAC RELEASE VALVE
○	BLOW OFF
○	IRRIGATION METER
○	POWER POLE
○	GUY AND/OR
○	STREET LIGHT
○	POLE LIGHT
○	POWER MAULT
○	TRANSFORMER
○	JUNCTION BOX
○	GAS METER
○	GAS VALVE
○	FIBER OPTICS MANHOLE
○	TELECOM MAULT
○	TELECOM RISER
○	TELECOM JUNCTION BOX
○	MAIL BOX
○	SNOW
○	CONIFEROUS TREE
○	DECIDUOUS TREE
○	ASPHALT
○	CONCRETE
○	GRAVEL



VICINITY MAP
N.T.S.



Know what's below.
Call before you dig.

UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES. TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL, THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

SAMMAMISH PLATEAU
WATER AND SEWER DISTRICT

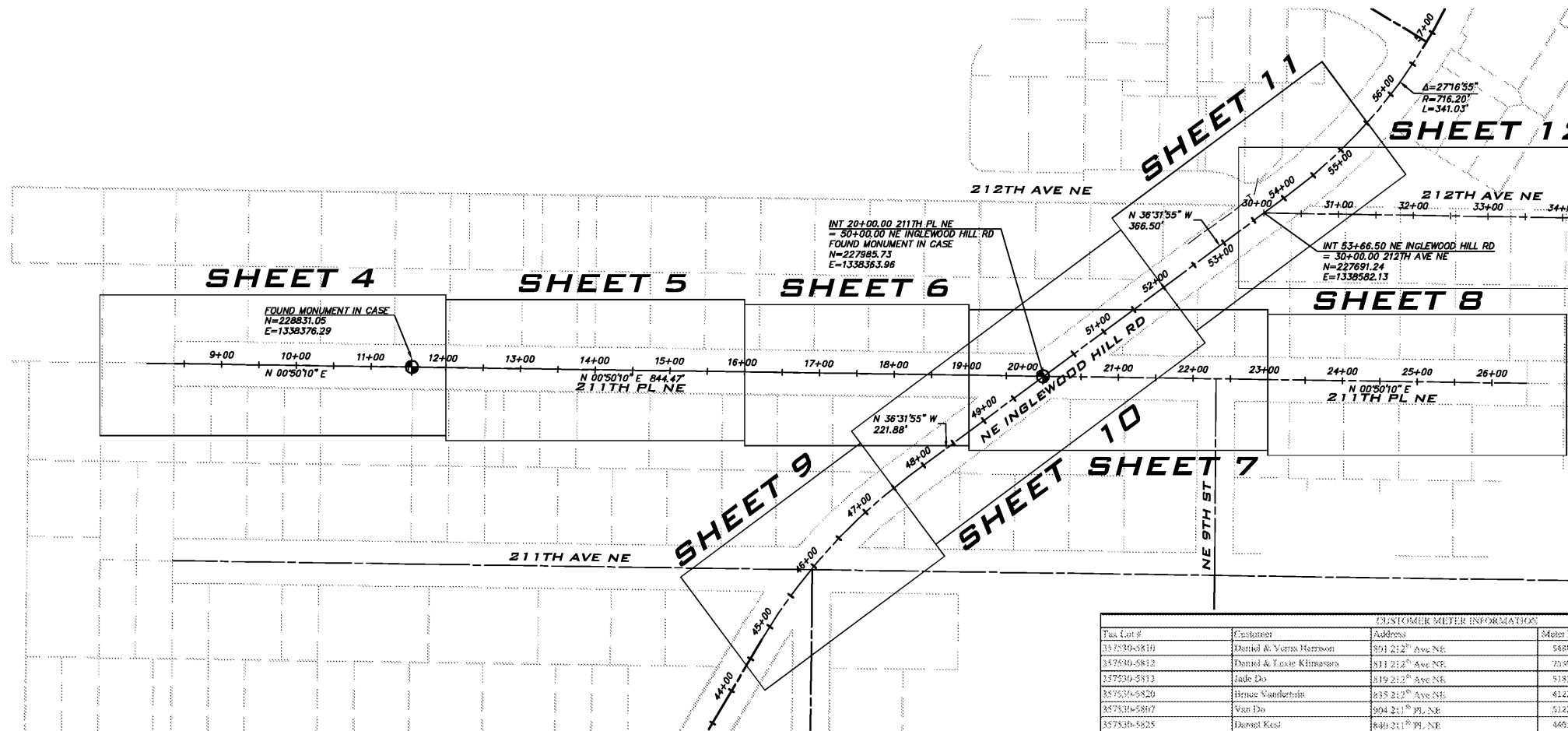
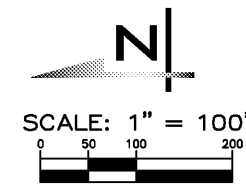
SAMMAMISH PLATEAU WATER & SEWER DISTRICT
APPROVED FOR CONSTRUCTION

Jackson Dove
GENERAL MANAGER, PROTEM

3/9/2016
DATE

1510 228TH S.E. SAMMAMISH, WA 98075
(425) 392-6256 / FAX 391-5389





VERTICAL DATUM AND CONTOUR INTERVAL

ELEVATIONS SHOWN ON THIS DRAWING WERE DERIVED FROM INFORMATION PROVIDED BY WCCS SURVEY CONTROL DATABASE.

POINT ID NO. DS288
 THE MARK IS A CONCRETE MONUMENT W/ COPPER TACK IN LEAD, IN MONUMENT CASE AT THE INTERSECTION OF 211TH PLACE NE AND INGLEWOOD HILL ROAD.
 ELEVATION: 351.922 FEET (107.266 METERS) NAVD 88

2.0' CONTOUR INTERVAL - THE EXPECTED VERTICAL ACCURACY IS EQUAL TO 1/2 THE CONTOUR INTERVAL OR PLUS / MINUS 1.0' FOR THIS PROJECT.

GENERAL SURVEY NOTES

THIS SURVEY WAS COMPLETED WITHOUT BENEFIT OF A CURRENT TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST ON THIS PROPERTY THAT ARE NOT SHOWN HEREON.

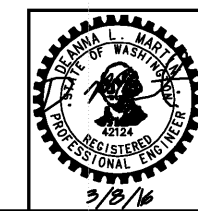
INSTRUMENTATION FOR THIS SURVEY WAS A 3-SECOND NIKON NIVO 5.C TOTAL STATION. PROCEDURES USED IN THIS SURVEY MEET OR EXCEED STANDARDS SET BY WAC 332-130-090.

THE INFORMATION ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE IN JULY 2015 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

UTILITIES SHOWN ON THIS SURVEY ARE BASED UPON ABOVE GROUND OBSERVATIONS AND AS-BUILT PLANS WHERE AVAILABLE. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MAY VARY AND UTILITIES NOT SHOWN ON THIS SURVEY MAY EXIST ON THIS SITE.

ALL MONUMENTS WERE LOCATED DURING THIS SURVEY UNLESS OTHERWISE NOTED.

Gas Lot #	Customer	Address	Meter Number	Comments
357530-5810	Daniel & Veron Harrison	891 212 nd Ave NE	5885817	Water service to be replaced
357530-5812	Daniel & Lexie Klimarsa	811 212 nd Ave NE	75300649	Water service to be replaced
357530-5813	Jade Do	819 212 nd Ave NE	51818918	Water service to be replaced
357530-5820	Hruva Vanderlain	835 212 nd Ave NE	41228062	Water service to be replaced
357530-5807	Vai Do	904 211 th Pl, NE	51223788	Water service to be replaced
357530-5825	Dorost Keal	840 211 th Pl, NE	66912451	Water service to be replaced
357530-5830	Robert Arnold	832 211 th Pl, NE	67879573	Water service to be replaced
357530-5835	Den Smith	828 211 th Pl, NE	67970976	Water service to be replaced
357530-5837	Arens Rybak	838 211 th Pl, NE	49840135	Water service to be replaced
357530-5840	Edward & Sabra Jenay	810 211 th Pl, NE	44012409	Water service to be replaced
357530-5845	Maet Hontzinger	802 211 th Pl, NE	47988138	Water service to be replaced
357530-5360	Pawel & Agnieszka Prokopciuk	805 211 th Pl, NE	64175727	Water service to be replaced
357530-5371	Peter Wies	813 211 th Pl, NE	48283781	Water service to be replaced
357530-5362	Francis Addison	819 211 th Pl, NE	67871010	Water service to be replaced
357530-5364	Patricia M Clayson	827 211 th Pl, NE	67673012	Water service to be replaced
357530-5365	Seva Kladly	833 211 th Pl, NE	64773212	Water service to be replaced
357530-5366	Anthony Spensar	2119 9th ST	36733117	Water service to be replaced
357530-5380	Christopher Lawson	805 211 th Pl, NE	37841207	Water service to be replaced
357530-5382	Heather Vardorn	815 211 th Pl, NE	38122644	Water service to be replaced
357530-5383	Luiseno Kusda	21121 NE INGLEWOOD HILL RD	38122644	Water service to be replaced
357530-5387	Cindy Hendarany	8021 211 th Pl, NE	52848892	Water service to be replaced
357530-5415	Judi Votme	3103 211 th Pl, NE	58890254	Water service to be replaced
357530-5416	Cherie Watson	3109 211 th Pl, NE	52197226	Water service to be replaced
357530-5420	Jason and Chelsea Jantz	3117 211 th Pl, NE	67871071	Water service to be replaced
357530-5435	Paul & Lisa Lauer	3125 211 th Pl, NE	67971074	Water service to be replaced
357530-5436	Ajay Kumar Gubhokonda	3207 211 th Pl, NE	77022682	Water service to be replaced
357530-5442	Sureswathi Rajagopalan	3219 211 th Pl, NE	77460225	Water service to be replaced
357530-5457				No meter
357530-5440	Silensveth Gongreedy	3253 211 th Pl, NE	77072684	Water service to be replaced
357530-5430	Ferhuc	3195 211 th Pl, NE	67971076	Water service to be replaced
357530-5452	Beriko Wiesenslage	3177 211 th Pl, NE	74222313	Reconnect gas, water service to new main
357530-5453	Jimmy Yui Hin Kao	3121 211 th Pl, NE	74833482	Reconnect gas, water service to new main
357530-5455	Sudhai Pongli	3227 211 th Pl, NE	74822310	Reconnect gas, water service to new main
357530-5457	Gudra Thera Kinnat	3233 211 th Pl, NE	74822311	Reconnect gas, water service to new main
357530-5459	Joseph Peters	3235 211 th Pl, NE	48052182	Water service to be replaced
357530-5465	William Luna	3236 211 th Pl, NE	48052185	Water service to be replaced
357530-5470	Dennis Fischer	3228 211 th Pl, NE	67971126	Water service to be replaced
357530-5472	Lyle Cochran	3266 211 th Pl, NE	67971129	Water service to be replaced
357530-5470	Philip Barnett	3202 211 th Pl, NE	67971084	Water service to be replaced
357530-5428	Alex So	3218 211 th Pl, NE	49718333	Water service to be replaced
357530-5427	Pamela Rogers	3208 211 th Pl, NE	67971128	Water service to be replaced
357530-5434	Jarvis Greenwood	3224 211 th Pl, NE	75300628	Water service to be replaced
357530-5480	Edward Redick	3118 211 th Pl, NE	7936041	Water service to be replaced
357530-5442	Joseph R Schmidt	3134 211 th Pl, NE	67970717	Water service to be replaced
357530-5443	Marcelo De La Torre	3104 211 th Pl, NE	67970739	Water service to be replaced
357530-5469	Gabby Thomas	3022 211 th Pl, NE	67971094	Water service to be replaced
357530-5492	Wu Kwang Lim	3036 211 th Pl, NE	5587542	Water service to be replaced
357530-5495	Roberto Fong	3068 211 th Pl, NE	58450055	Water service to be replaced
357530-5497	Cristiano Diabro	3226 211 th Pl, NE	57540265	Water service to be replaced



REVISIONS	BY	DATE

**SAMMAMISH PLATEAU
 WATER AND SEWER DISTRICT**
 1510 258TH AVE. S.E., SAMMAMISH, WA. 98075
 (425) 392-6256 FAX (425) 391-5369

**INGLEWOOD HILL RD
 @ 211TH PL NE
 KEY MAP**

DATE: 12/11/2015
 DRAWN: BRIAN DENNEY
 CHECKED: DEANNA MARTIN
 JOB NO. 15-284

Mar 08, 2016 - 3:09pm - User: brian
 E:\Projects\15284\Draw\Water_Mat Replacement\15284\GN01.dwg

CALL 2 DAYS
 BEFORE YOU DIG
 "ONE CALL"
 8-1-1
 (WASHINGTON811.COM)

EXISTING WATER SUPPLY LINES

1. WATER SUPPLY LINES ARE DEFINED AS THE SMALL DIAMETER PIPES EXTENDING FROM THE DISTRICT'S WATER METER TO THE CUSTOMER'S HOUSE. THESE LINES ARE PRIVATELY OWNED BY THE INDIVIDUAL HOMEOWNER.
2. THE DISTRICT HAS LIMITED KNOWLEDGE OF THE EXACT LOCATION OF THE EXISTING INDIVIDUAL SUPPLY LINES FOR THE WATER SUPPLY LINES TO EACH LOT. ANY INFORMATION SHOWN ON THE DRAWINGS IS ONLY APPROXIMATE.
3. THE CONTRACTOR SHALL CONNECT ALL NEW WATER SERVICES TO EXISTING SUPPLY LINES ONLY AFTER DISTRICT APPROVAL. THE CONTRACTOR SHALL UTILIZE STANDARD CONSTRUCTION PRACTICES AND USE BRASS MATERIALS IN ALL SUPPLY LINE CONNECTIONS UNLESS DIRECTED OTHERWISE BY THE DISTRICT.
4. THE CONTRACTOR SHALL LOCATE, PROTECT AND REPAIR IN KIND ALL EXISTING WATER SUPPLY LINES.
5. THE CONTRACTOR SHALL PROTECT AND RECONNECT ANY CUSTOMER PRVS OR IRRIGATION BOXES ALTERED DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR IN KIND ANY PRV OR IRRIGATION SYSTEM DAMAGED DURING CONSTRUCTION.

GENERAL CONSTRUCTION NOTES

1. ALL UNSUITABLE MATERIAL SHALL BE IMMEDIATELY PLACED IN TRUCKS AND REMOVED FROM THE PROJECT SITE.
2. WHERE NATIVE MATERIAL IS SUITABLE FOR BACKFILL AND COMPACTION TO 95% MODIFIED PROCTOR CAN BE ACHIEVED, NATIVE MATERIAL IS ACCEPTABLE. OTHERWISE, SELECT IMPORT IS REQUIRED FOR BACKFILL AND SHALL BE COMPACTED TO 95% MODIFIED PROCTOR.
3. CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING AND VEGETATION. CONTRACTOR SHALL OBTAIN DISTRICT APPROVAL BEFORE WORKING IN THE VICINITY OF OR REMOVING ANY NECESSARY VEGETATION.
4. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE DISTRICT'S STANDARD DETAILS AND NOTES. THESE STANDARDS SHALL BE INCLUDED AS PART OF THIS PLAN. THIS PLAN IS INCOMPLETE WITHOUT THE DISTRICT'S STANDARD DETAILS AND NOTES.
5. THE TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) MEASURES OUTLINED IN THE PLANS IS ONLY A MINIMUM REQUIREMENT. THE CONTRACTOR SHALL INSTALL ALL TESC MEASURES AS NECESSARY TO KEEP ALL SILTS ON SITE. THE CONTRACTOR SHALL PROVIDE A TESC SUPERVISOR TO INSPECT AND APPROVAL OF ALL TESC CONTROLS FOR THE PROJECT AND PROVIDE WEEKLY REPORTS AS NECESSARY.
6. CONSTRUCTION HOURS ARE LISTED IN THE PROJECT SPECIFICATIONS.
7. UNLESS OTHERWISE RESTRICTED BY THE CITY OF SAMMAMISH, LANE RESTRICTIONS SHALL BE ALLOWED DURING NORMAL CONSTRUCTION HOURS. COMPLETE CLOSURE OF NE INGLEWOOD HILL RD SHALL NOT BE ALLOWED.
10. THE CONTRACTOR SHALL KEEP ON HAND DURING EXCAVATION ROAD PLATES TO COVER THE TRENCHES AS NEEDED TO ALLOW TRAFFIC TO PASS THROUGH.
11. THE CONTRACTOR SHALL USE EXTREME CARE IN THE PROTECTION OF ALL BUILDINGS, STRUCTURES AND LANDSCAPING ("PROPERTY") AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL REPLACE IN KIND ANY DAMAGED PROPERTY UNLESS OTHERWISE DIRECTED BY THE DISTRICT IN WRITING.
13. THE CONTRACTOR SHALL COORDINATE WORK WITH THE LOCAL RESIDENCES AS CONSTRUCTION PROCEEDS SO THAT VEHICULAR ACCESS IS PROVIDED AT ALL TIMES. THIS WORK WILL INVOLVE THE CONTRACTOR TO COMMUNICATE DIRECTLY WITH THE OWNERS OF THE INDIVIDUAL RESIDENCE IMPACTED BY ANY TRAFFIC OR ACCESS RESTRICTIONS THROUGHOUT THE DURATION OF CONSTRUCTION.
14. WATER MAIN SHALL BE INSTALLED WITH A MINIMUM OF 3'-FEET OF COVER. WATER MAIN SHALL BE INSTALLED AT A DEPTH AND SLOPE PER THE PROFILE DRAWING TO AVOID INTERMEDIATE HIGH POINTS.
15. ALL DUCTILE IRON PIPE SHALL BE CLASS 52.
16. CONTRACTOR SHALL SURVEY (HORIZONTAL AND VERTICAL LOCATION) ALL INSTALLED FACILITIES INCLUDING WATER BENDS, TEES, VALVES, AIR/VAC ASSEMBLIES, BLOW-OFFS, AND METER BOXES.

ABANDONMENT OF EXISTING UTILITIES

1. ALL PIPE ENDS OF ABANDONED UTILITIES SHALL BE CAPPED OR PLUGGED PRIOR TO BACKFILL.
2. WHERE AN EXISTING WATER MAIN WHICH IS TO BE ABANDONED IS CONNECTED TO A PERMANENT MAIN, THE ABANDONED MAIN SHALL BE DISCONNECTED FROM THE PERMANENT MAIN, AND THEN BOTH MAINS SHALL BE CAPPED AND/OR PLUGGED. IF A VALVE EXISTS BETWEEN THE PERMANENT AND ABANDONED MAIN, THE VALVE SHALL BE REMOVED AND THE TEE PLUGGED OR BLIND FLANGED IN ACCORDANCE WITH DISTRICT STANDARDS. A THRUST BLOCK SHALL BE INSTALLED ON THE END OF THE PERMANENT MAIN AS NEEDED OR AS DIRECTED BY THE DISTRICT.
3. ABANDONMENT OF EXISTING WATER SERVICES SHALL ONLY BE ALLOWED WHEN THE NEW SERVICE HAS BEEN INSTALLED, TESTED, AND ACCEPTED BY THE DISTRICT. AFTER DISTRICT APPROVAL, THE EXISTING SUPPLY LINE SHALL BE RELOCATED AND CONNECTED TO THE NEW METER SETTER. IF NECESSARY, THE CONTRACTOR SHALL INSTALL A TEMPORARY IDLER TO PROVIDE WATER TO THE EXISTING CUSTOMER. THE EXISTING METER SHALL BE RETURNED TO THE DISTRICT FOR REPLACEMENT AND OR RE-USE.
4. WHEN ABANDONING AN EXISTING WATER SERVICE ON A WATER MAIN THAT IS TO BE ABANDONED, THE CONTRACTOR SHALL REMOVE THE METER BOX, SETTER AND ALL FITTINGS. THE SERVICE LINE SHALL BE CAPPED OR PLUGGED AND LEFT IN PLACE.
5. WHEN ABANDONING AN EXISTING BLOW-OFF ON AN ABANDONED WATER MAIN THE EXISTING BLOW-OFF SHALL BE REMOVED, THE PIPING PLUGGED, THE VALVE ABANDONED IN PLACE, AND THE VALVE CAN, MARKER AND METER BOX REMOVED AND BACKFILLED WITH 1-1/4" MINUS CRUSHED ROCK.
7. WHEN ABANDONING EXISTING VALVES IN PLACE, THE VALVE SHALL BE CLOSED, THE VALVE CAN AND VALVE MARKER REMOVED AND THE HOLE BACKFILLED WITH 1-1/4" CRUSHED ROCK.

PROJECT TESC NOTES

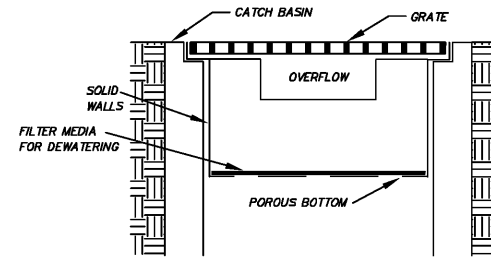
1. TEMPORARY STRAW WATTLES AND/OR FILTER FABRIC FENCE WILL BE PLACED ON ALL DOWNHILL SIDES OF EXCAVATION AS SHOWN. FILTER FABRIC FOR THE EROSION PROTECTION BARRIERS WILL BE MINIMUM 14 OZ. PER YD. EQUIVALENT AS REQUESTED BY THE DISTRICT IN AREAS AS NEEDED. STRAW WATTLES WILL BE STAKED DOWN WITH STAKES. AS AN ALTERNATIVE, FILTER FABRIC FENCE MAY BE ROLLED AT THE BOTTOM TOWARD THE EXCAVATION SIDE AND HELD DOWN WITH SAND BAGS FILLED WITH PEA GRAVEL. THE TRENCH WILL BE BACKFILLED WITH NATIVE MATERIAL.
2. UNLESS OTHERWISE NOTED OR DIRECTED, EXCAVATED MATERIAL IS TO BE PLACED IN TRUCKS AND NOT SPOILED ON SITE.
3. ALL STOCKPILED MATERIALS WILL BE REMOVED BY THE END OF EACH DAY ELIMINATING THE NEED TO USE CLEAR PLASTIC COVERING. IN THE EVENT ANY STOCKPILING MAY OCCUR, CLEAR PLASTIC COVERING WILL BE INSTALLED ON ANY STOCKPILES OF DIRT. THE COVER WILL BE INSTALLED IMMEDIATELY AND THERE WILL BE AT LEAST A 12-INCH OVERLAP AT ALL SEAMS. ALL SEAMS WILL BE TAPED OR WEIGHTED DOWN FOR THE FULL LENGTH OF THE SEAM.
4. EXCAVATING WILL OCCUR DURING DRY WEATHER. EXCESS SOIL WILL BE DIRECTLY LOADED INTO A DUMP TRUCK AND WILL BE REMOVED FROM THE SITE.
5. AT THE END OF EACH DAY, STREETS WILL BE SWEEPED AND BROOM CLEANED. ALL EXPOSED AREAS WILL HAVE TEMPORARY ASPHALT PATCHES.
6. ALL CATCH BASIN INSERTS WILL HAVE BASIN SOCKS INSERTED INTO THE CATCH BASIN FOR THE DURATION OF THE JOB. THIS WILL BE USED TO PREVENT RUN OFF INTO STREAMS, RIVERS, OR LAKES.
7. DO NOT BLOCK ACCESS TO ANY TAX LOTS UNLESS APPROVED BY THE DISTRICT.

PAVEMENT RESTORATION NOTES

1. THE CONTRACTOR SHALL NOT COMPLETE ANY SAW CUTTING UNTIL ALL UTILITY LOCATE MARKINGS HAVE BEEN PROVIDED.
2. THE CONTRACTOR SHALL INSTALL AN ASPHALT TRENCH PATCH IN ACCORDANCE WITH THE DISTRICT STANDARDS.
3. ASPHALT TRENCH PATCHING WITH HMA SHALL BE COMPLETED WITHIN 72 HOURS UNLESS OTHERWISE DIRECTED BY THE DISTRICT. COLD MIX ASPHALT WILL ONLY BE ALLOWED FOR 72 HOURS UNLESS OTHERWISE DIRECTED BY THE DISTRICT. ROAD PLATES SHALL BE INSTALLED WHERE LONG TERM ACCESS TO THE TRENCH IS REQUIRED (I.E. CUT-IN/TESTING LOCATIONS).
4. ALL ASPHALT PAVEMENT RESTORATION SHALL BE MADE WITH A MINIMUM 6-INCH LIFT OF COMPACTED (95% STANDARD DENSITY) CRUSHED SURFACING TOP COURSE (5/8-INCH MINUS) AND 3-INCH MINIMUM (COMPACTED THICKNESS) OF HMA CL 1/2". THE PAVEMENT RESTORATION SHALL EXTEND A MINIMUM OF 12-INCHES (EACH SIDE) BEYOND THE CONSTRUCTED TRENCH WIDTHS. WHEN EXISTING ASPHALT THICKNESS IS FOUND TO BE GREATER THAN 2 INCHES, HMA CL 1/2" SHALL BE PLACED, IN MAXIMUM 2-INCH LIFTS, TO A DEPTH OF 1-INCH OVER EXISTING PAVEMENT THICKNESS. SEAL EDGES WITH SEALER GSS1 AND SEAL SURFACE JOINT WITH HOT ASPHALT IN AREAS THAT WILL NOT HAVE AN OVERLAY.
5. SEAL ALL JOINT WITH AR4000W AND APPLY SAND BLANKET TO THE SURFACE JOINT WHEN MATCHING EXISTING PAVEMENT.
6. WHERE EXISTING ASPHALT PAVEMENT HAS BEEN DAMAGED DUE TO CONSTRUCTION ACTIVITIES, TRENCH PATCHING WILL BE EXTENDED BEYOND THE RESTORATION LIMITS UNDER THE DISTRICT'S DIRECTION.
7. THE CONTRACTOR SHALL PROTECT AND REPAIR IN KIND ALL EXISTING CONCRETE, DRIVEWAYS, SIDEWALKS, CURBS, WALKWAYS, RAILROAD TIES, ROCKERIES, LANDSCAPING, FENCING AND BUILDINGS.
8. AFTER FINAL PAVING, THE CONTRACTOR SHALL RESTORE ALL EXISTING SHOULDERS WITH A MINIMUM OF 2-INCH COMPACTED THICKNESS OF CRUSHED SURFACING TOP COURSE, SO THAT THE SHOULDERS ARE LEVEL WITH THE EDGE OF THE ASPHALT.

GENERAL WATER MAIN NOTES

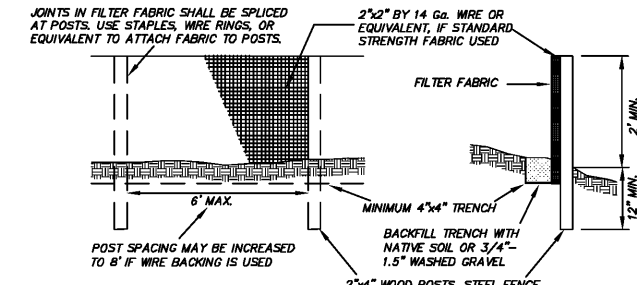
1. ALL PROPOSED CONNECTIONS SHALL BE POTHOLED TO VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. THE EXISTING WATER MAIN IS PRIMARILY AC PIPE AND IS UNLOCATABLE. THE LOCATION OF THE EXISTING MAIN SHOWN ON THESE DRAWINGS IS ONLY APPROXIMATE.



NOTE: THIS DETAIL IS ONLY SCHEMATIC. ANY INSERT IS ALLOWED THAT HAS A MIN. 0.5 C.F. OF STORAGE, THE MEANS TO DEWATER THE STORED SEDIMENT, AN OVERFLOW, AND CAN BE EASILY MAINTAINED.

CATCH BASIN INSERT

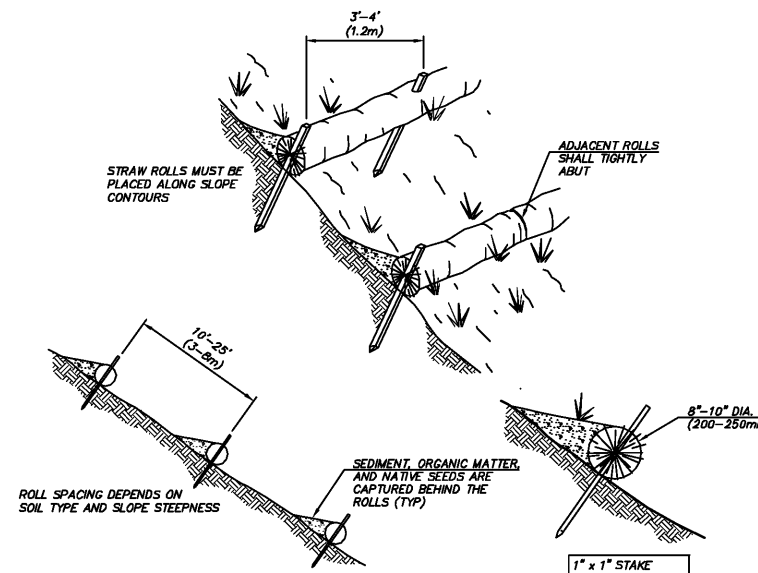
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NOTE: FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE

FILTER FABRIC FENCE

NOT TO SCALE



NOTES:

1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL PLACED ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
2. INSTALL WATTLES AS DIRECTED WITHIN DITCHES AS DETAILED ABOVE AND PER ADDITIONAL ESC NOTE ON SHEET TP-01.

STRAW WATTLES

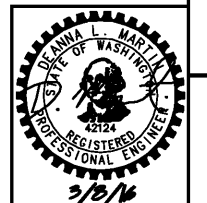
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REVISIONS	BY	DATE

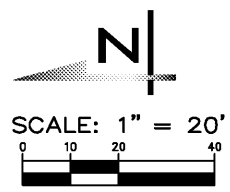
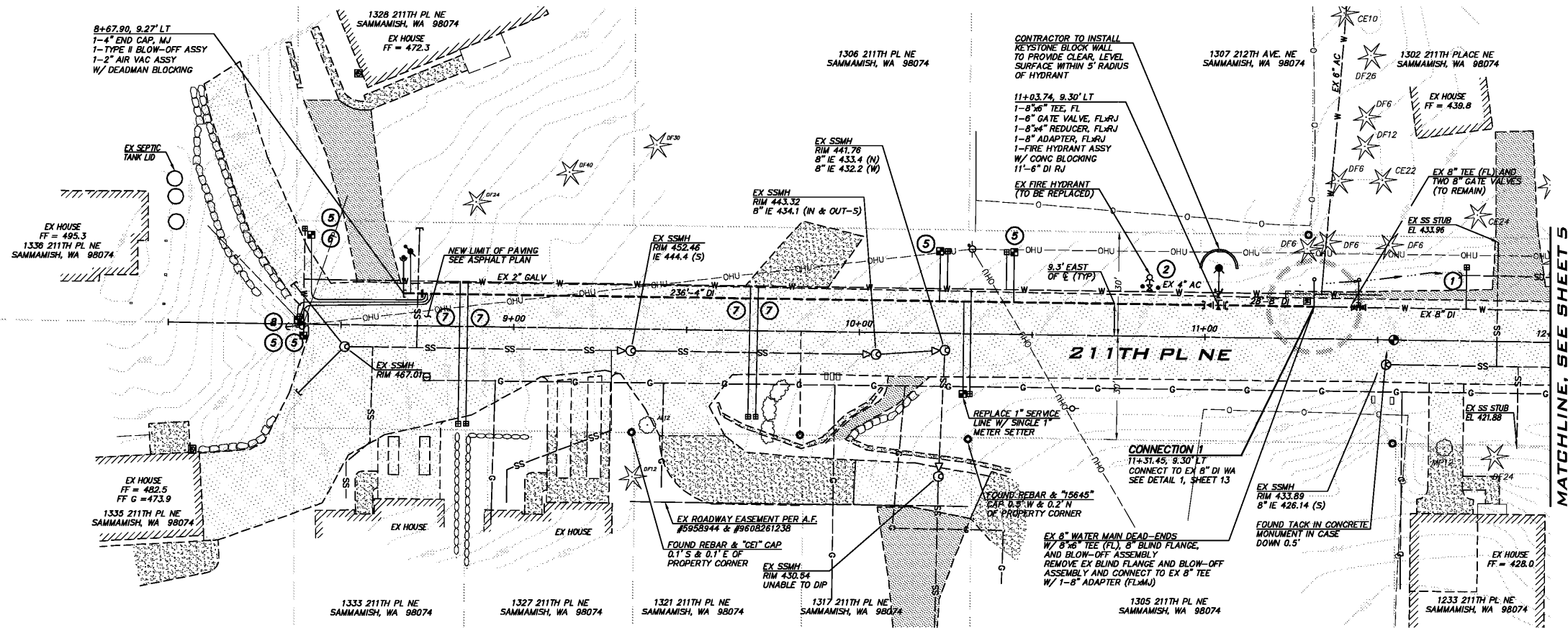
SAMMAMISH PLATEAU WATER AND SEWER DISTRICT
 1510 258TH AVE. S.E., SAMMAMISH, WA. 98075
 (425) 395-6256 FAX (425) 391-5369

INGLEWOOD HILL RD @ 211TH PL NE CONSTRUCTION NOTES & DETAILS

DATE: 12/11/2015
 DRAWN: BRIAN DENNEY
 CHECKED: DEANNA MARTIN
 JOB NO. 15-284

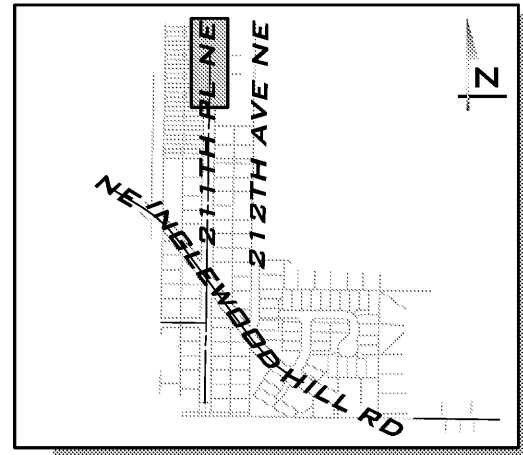


SHEET 3 OF 21



- NOTES**
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 - CROSSING INFORMATION SHOWN WHERE VERTICAL SEPARATION IS < 4'.



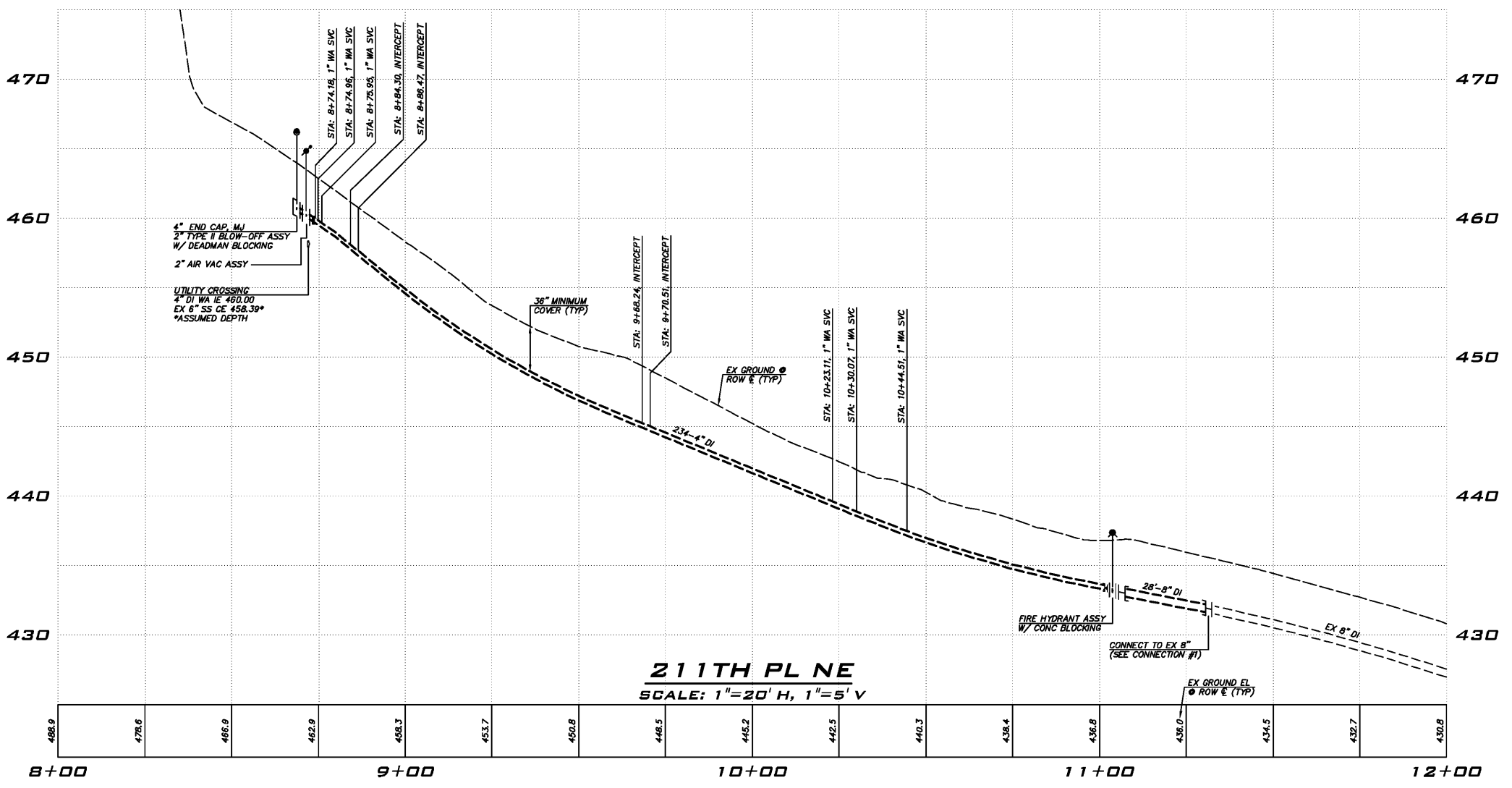
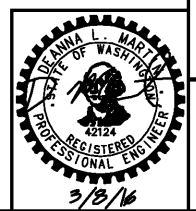
KEY MAP
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ALL WATER MAIN PIPE INSTALLED ON INGLEWOOD HILL ROAD SHALL BE RESTRAINED JOINT PIPE



211TH PL NE
SCALE: 1"=20' H, 1"=5' V

CALL 2 DAYS BEFORE YOU DIG
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8-1-1
(WASHINGTON811.COM)

REVISIONS	DATE

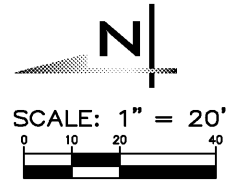
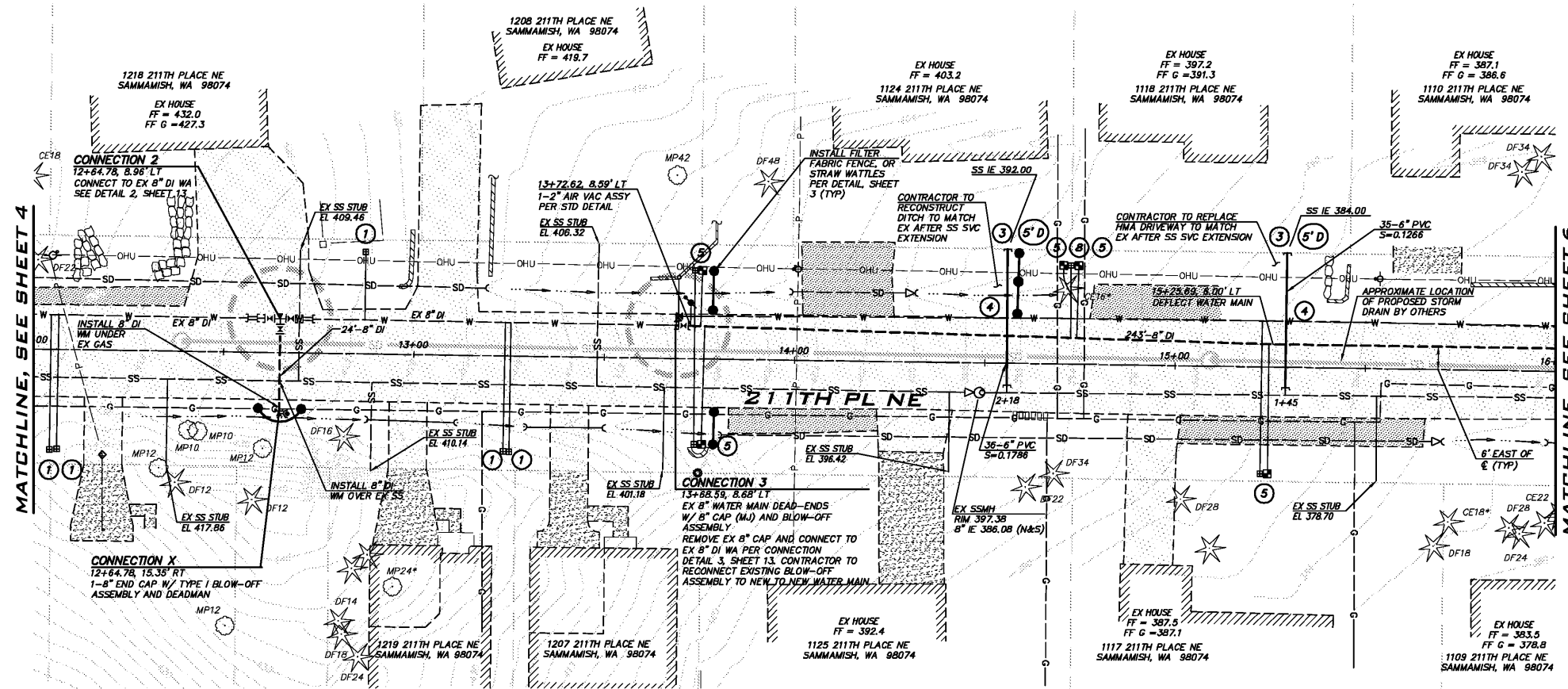
SAMMAMISH PLATEAU WATER AND SEWER DISTRICT
1510 258TH AVE. S.E., SAMMAMISH, WA, 98075
(425) 392-6256 FAX (425) 391-5369

INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN REPLACEMENT PLAN & PROFILE

DATE: 12/11/2015
DRAWN: BRIAN DENNEY
CHECKED: DEANNA MARTIN
JOB NO. 15-284

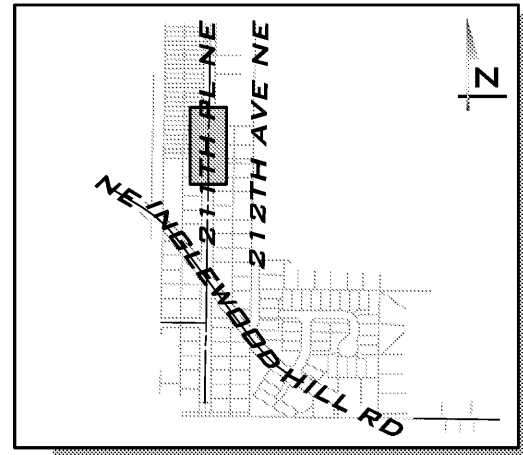
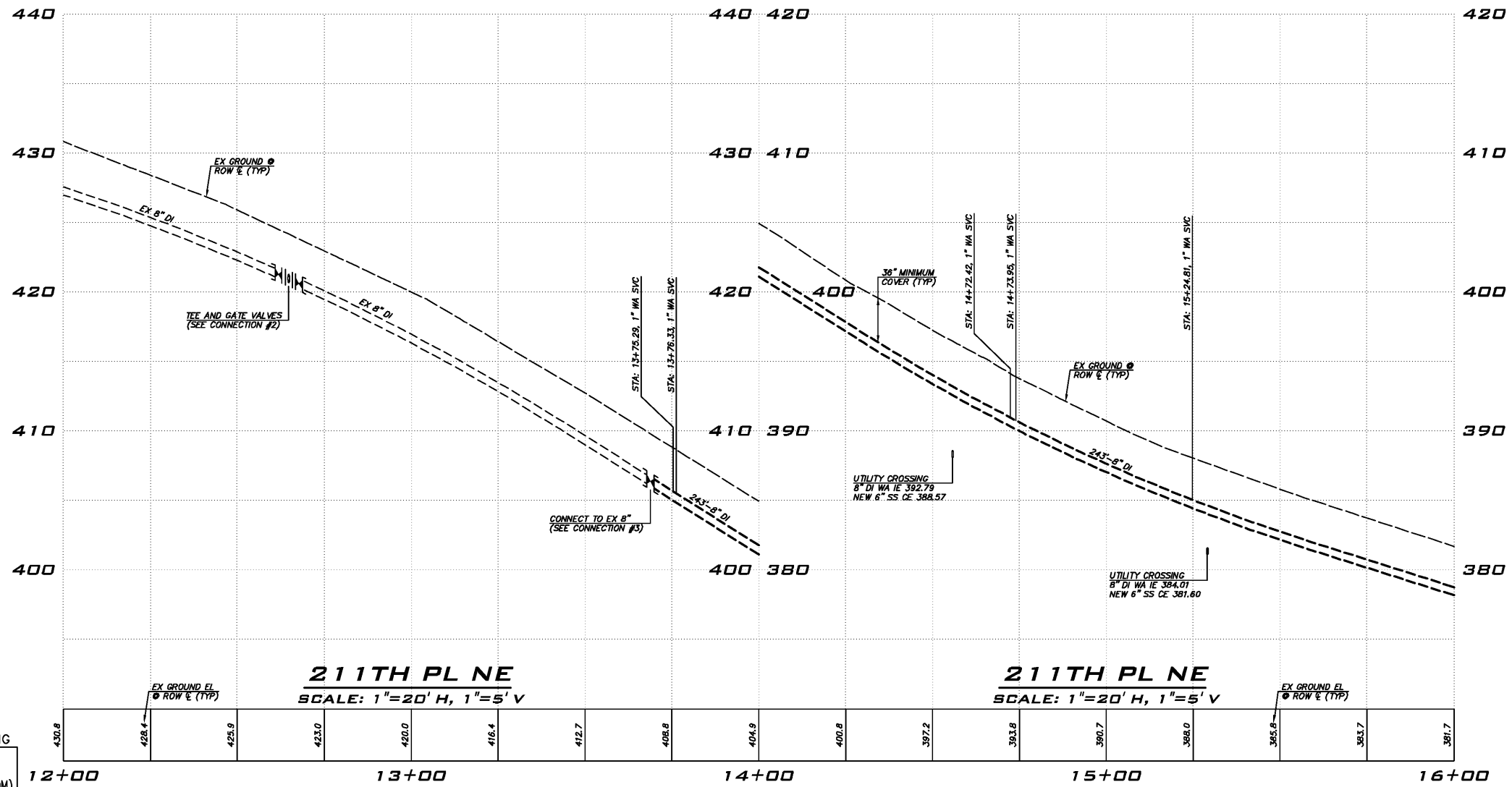
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4
OF
21

Mar 08, 2016 - 3:10pm - User: ttrahner
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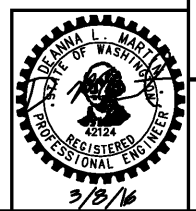
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BY	
REVISIONS	

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INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN REPLACEMENT PLAN & PROFILE

DATE: 12/11/2015
DRAWN: BRIAN DENNEY
CHECKED: DEANNA MARTIN
JOB NO. 15-284

SHEET
5
OF
21

Mar 08, 2016 - 3:10pm - User: ftraher
E:\Projects\15294\Dig\Water Main Replacement\15294\MA02.dwg

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18+11.40, 6.00' LT
 1-8" x 6" TEE, FL
 1-6" GATE VALVE, FL/RJ
 1-FIRE HYDRANT ASSY
 W/ CONC BLOCKING
 13'-6" DI RJ
 1-8" GATE VALVE, FL/RJ
 1-8" ADAPTER, FL/RJ
 MAINTAIN 5' CLEARANCE
 FROM EX WALL
 (NOT SHOWN)
 SS IE 378.00
 CONTRACTOR TO REPLACE
 RETAINING WALL TO MATCH
 EX AFTER SS SVC EXTENSION

EX HOUSE
 FF = 387.1
 FF G = 386.6
 1110 211TH
 PLACE NE
 SAMMAMISH, WA
 98074

EX HOUSE
 FF = 381.4
 FF G = 382.3
 1104 211TH PLACE NE
 SAMMAMISH, WA 98074

EX HOUSE
 FF = 375.7
 1022 211TH PLACE NE
 SAMMAMISH, WA 98074

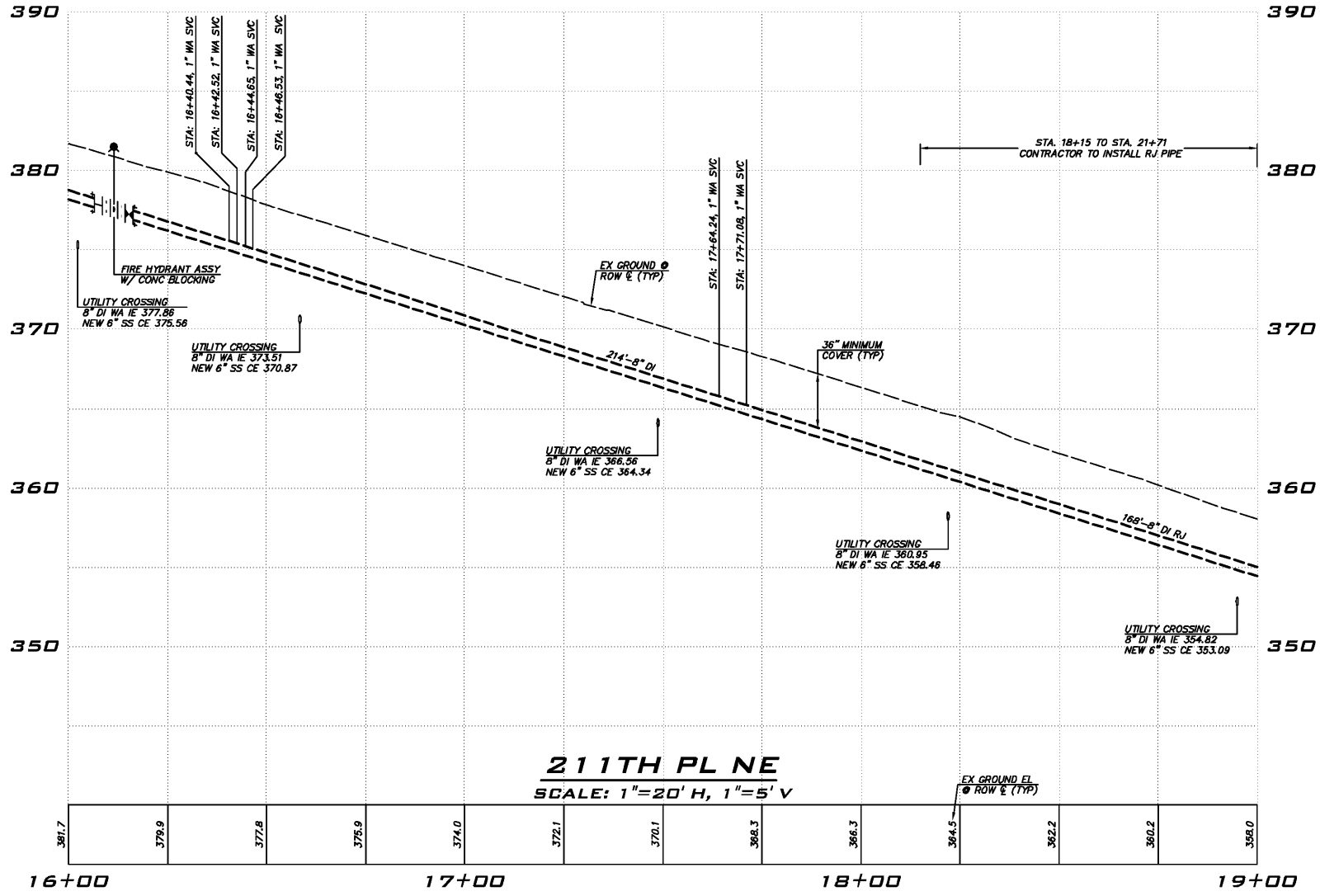
CONTRACTOR TO REPLACE
 RETAINING WALL TO MATCH
 EX AFTER WATER SERVICE
 INSTALLATION

EX HOUSE
 FF = 370.7
 1018 211TH PLACE NE
 SAMMAMISH, WA 98074

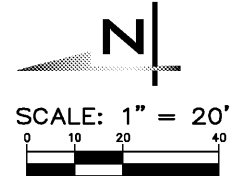
EX HOUSE
 FF = 356.6
 FF G = 364.6
 1008 211TH PLACE NE
 SAMMAMISH, WA 98074

MATCHLINE, SEE SHEET 5

MATCHLINE, SEE SHEET 7

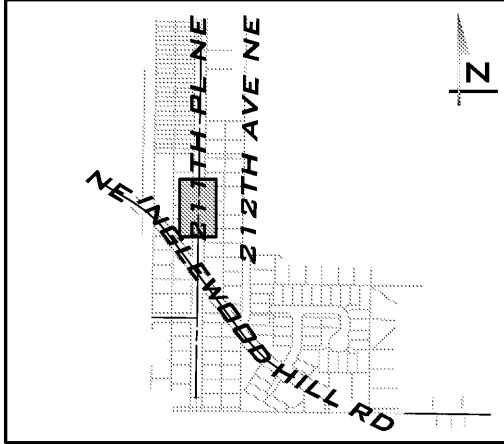


211TH PL NE
 SCALE: 1"=20' H, 1"=5' V



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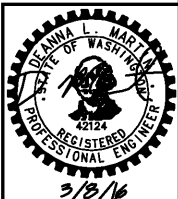
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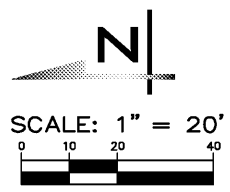
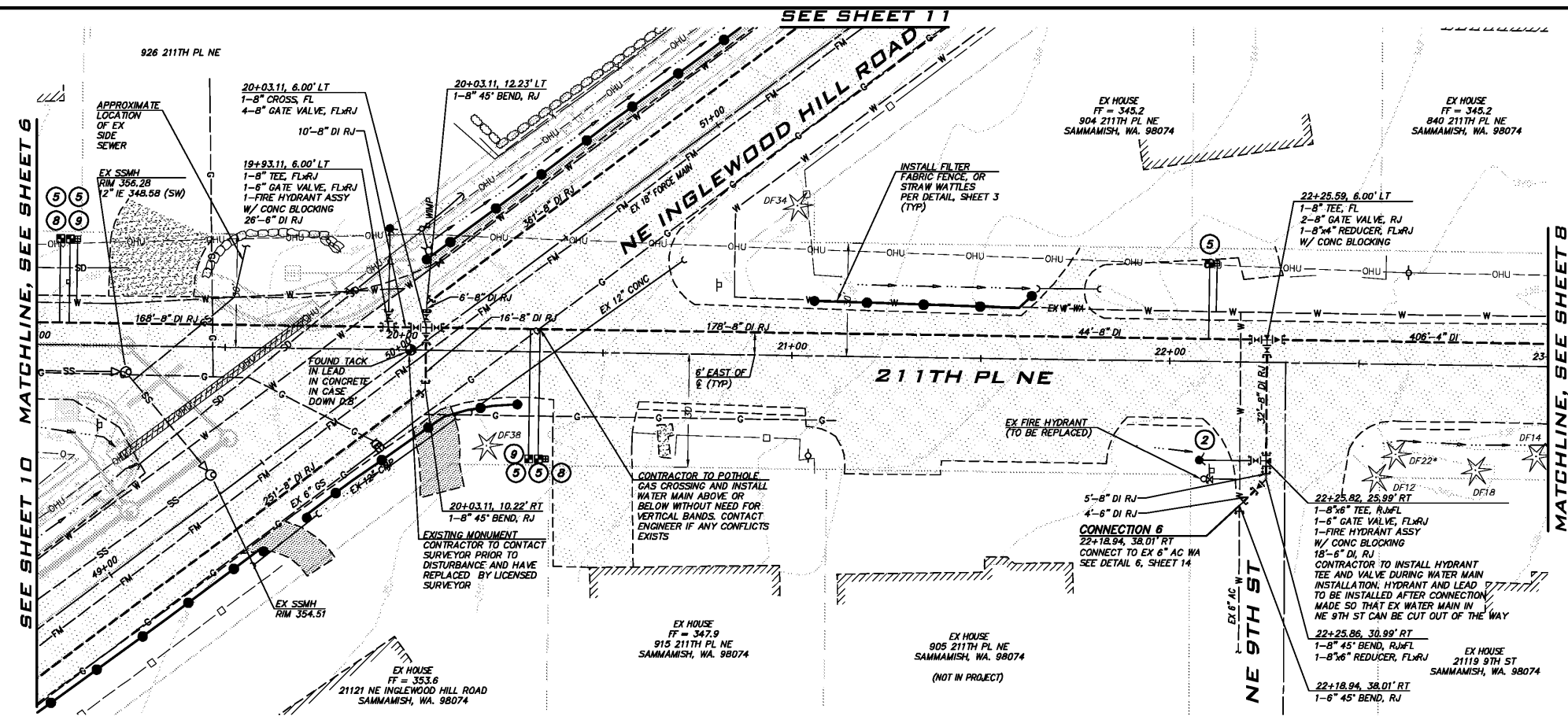
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DATE	
BY	
REVISIONS	
SAMMAMISH PLATEAU WATER AND SEWER DISTRICT 1510 258TH AVE. S.E., SAMMAMISH, WA 98075 (425) 392-6256 FAX (425) 391-5369	
INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN REPLACEMENT PLAN & PROFILE	
DATE:	12/11/2015
DRAWN:	BRIAN DENNEY
CHECKED:	DEANNA MARTIN
JOB NO.:	15-284
SHEET	6 OF 21

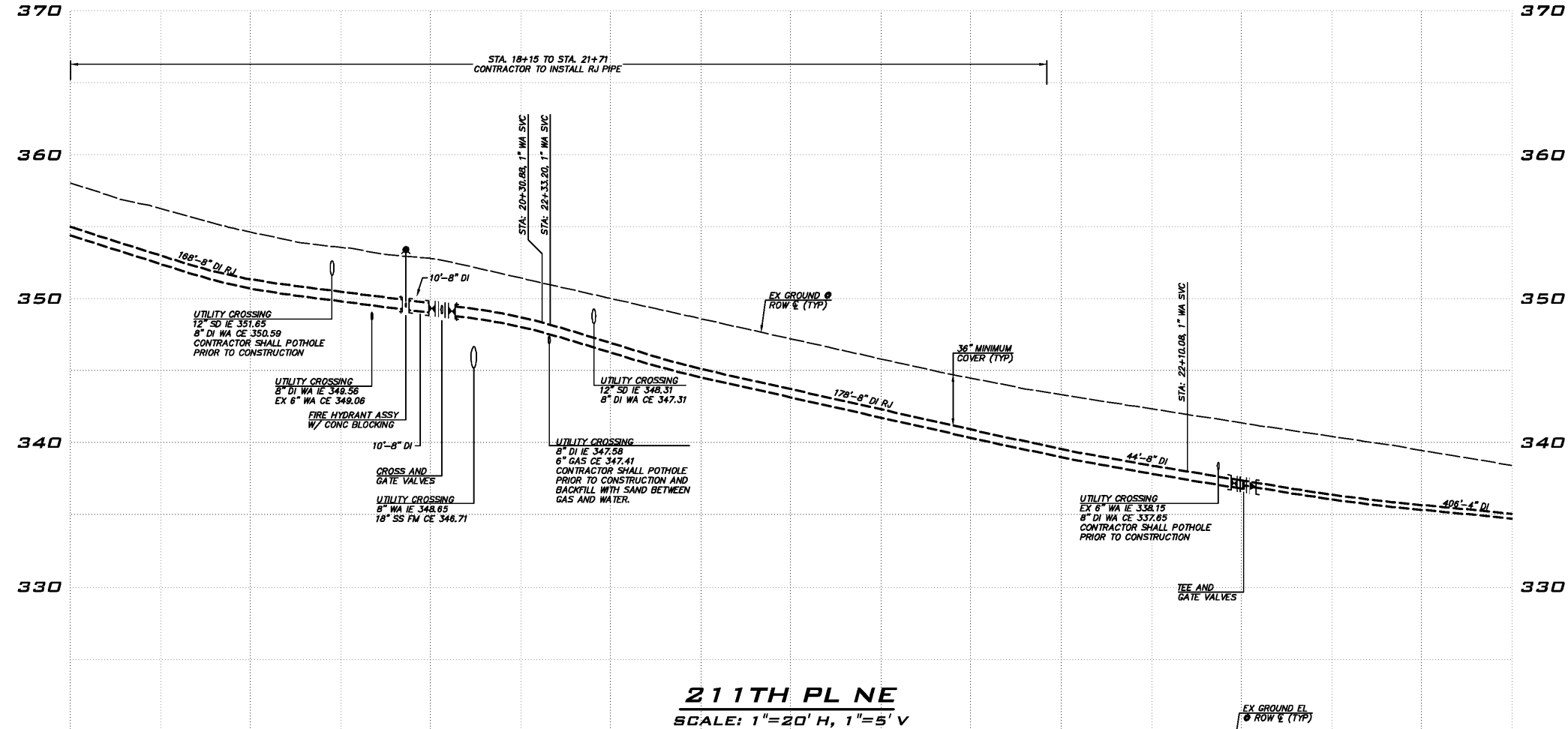
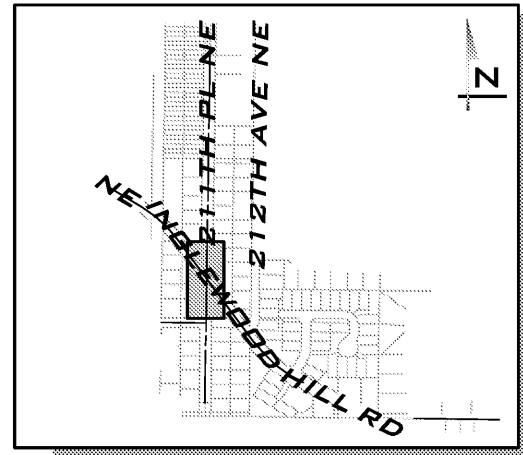
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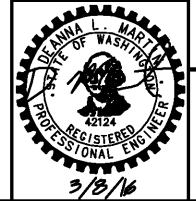
211TH PL NE
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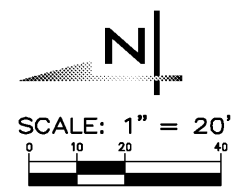
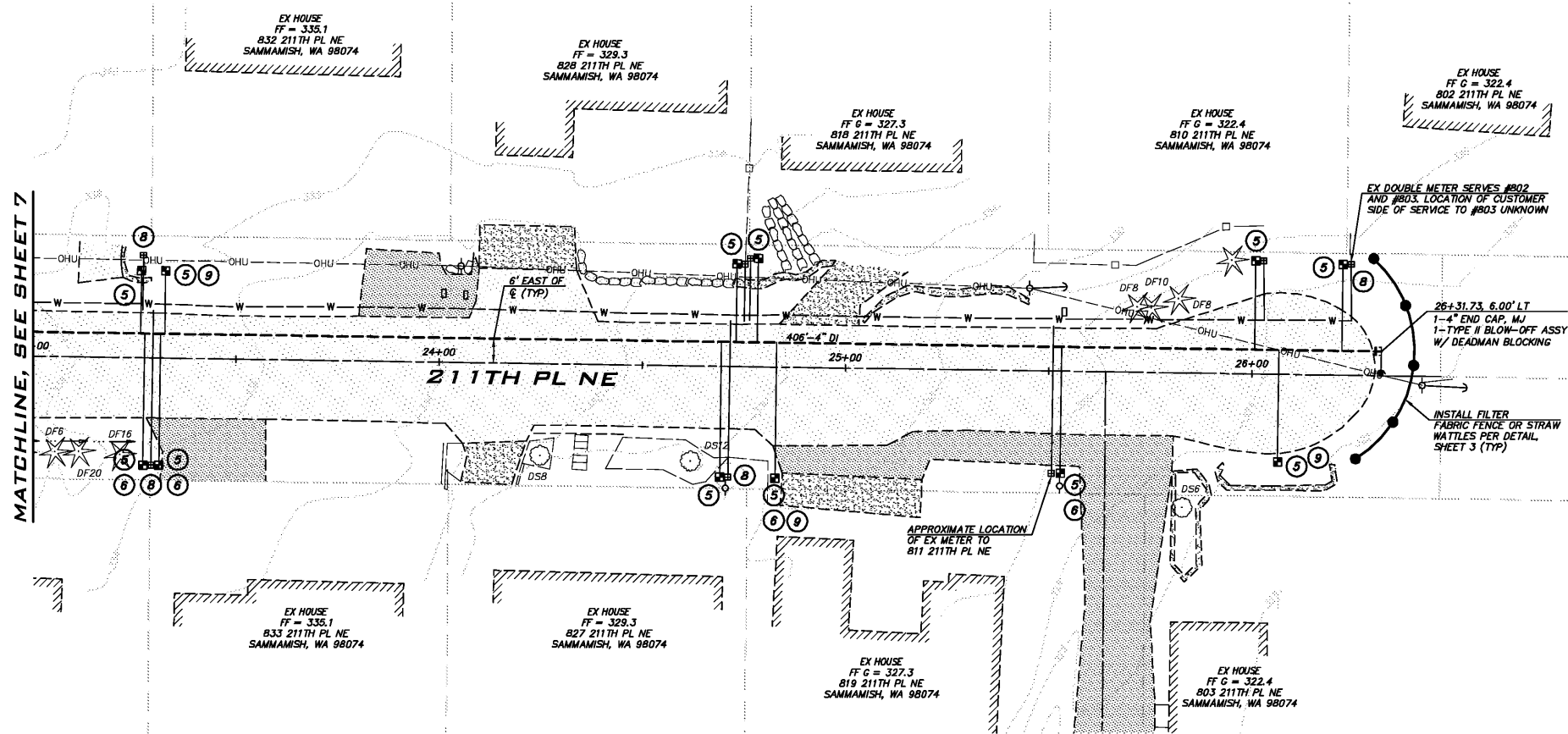
INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN REPLACEMENT PLAN & PROFILE

DATE: 12/11/2015
DRAWN: BRIAN DENNEY
CHECKED: DEANNA MARTIN
JOB NO. 15-284

SHEET
7
OF
21

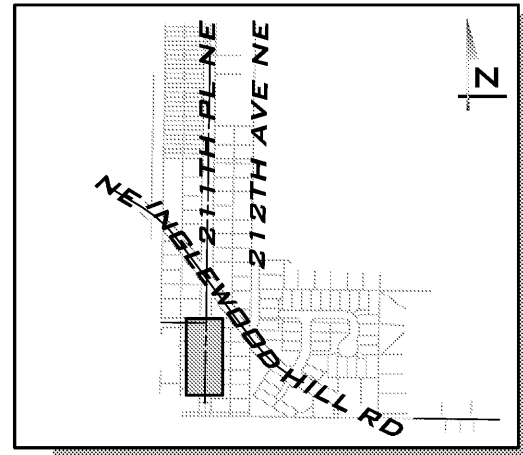
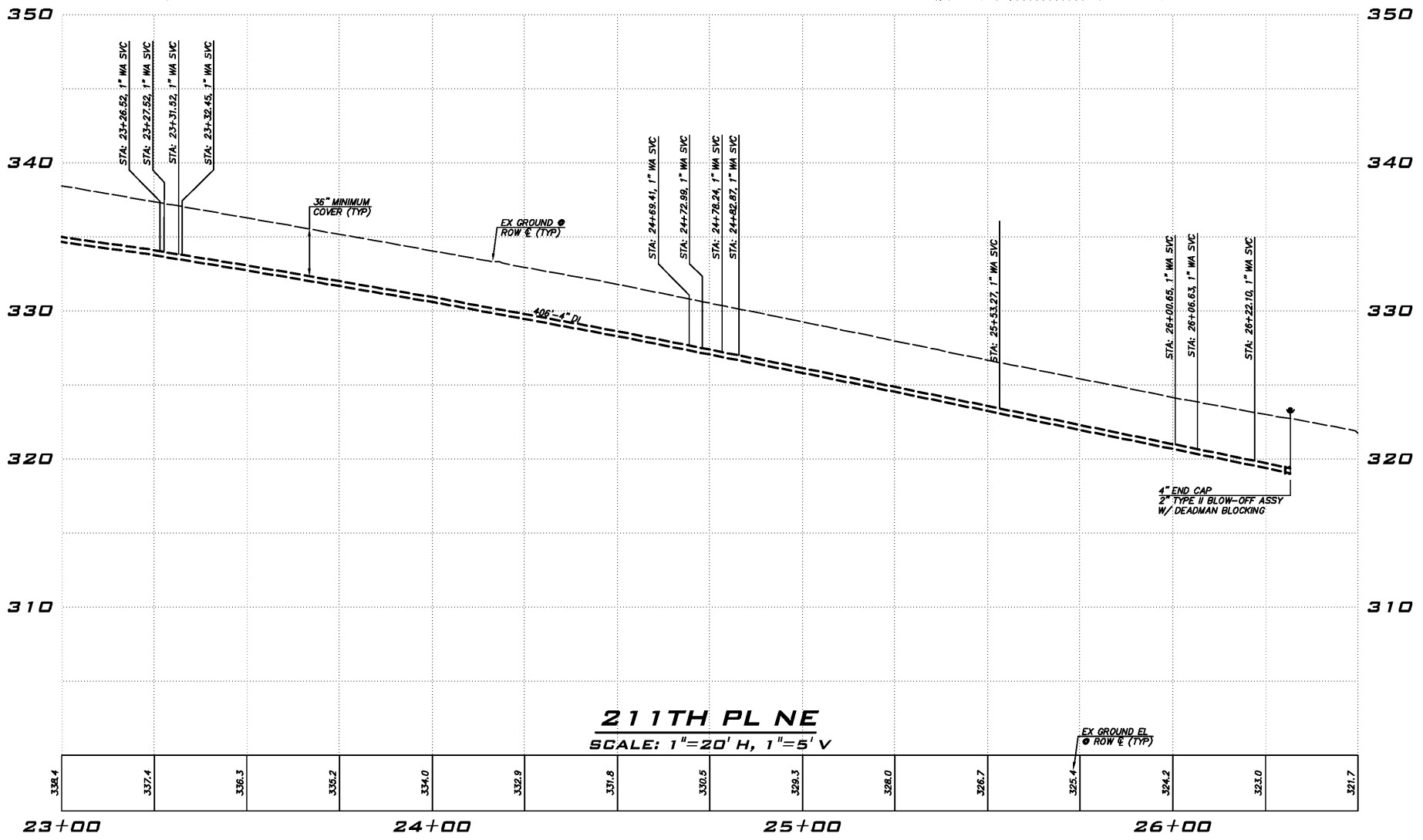
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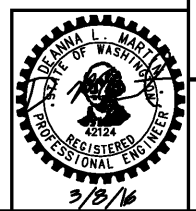
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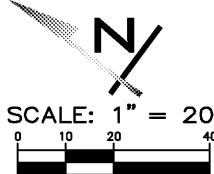
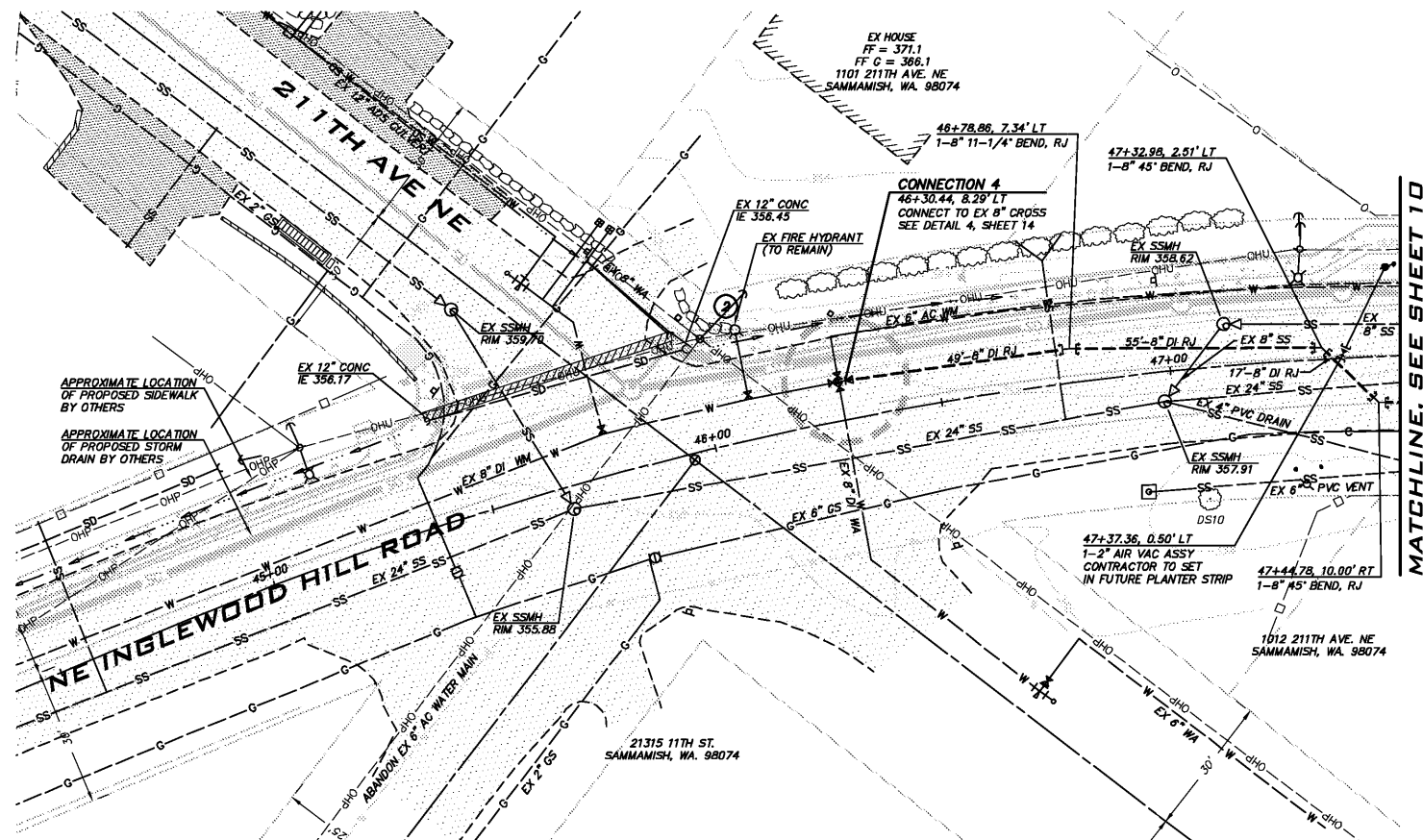
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DATE	
BY	
REVISIONS	
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JOB NO.:	15-284
SHEET	8 OF 21

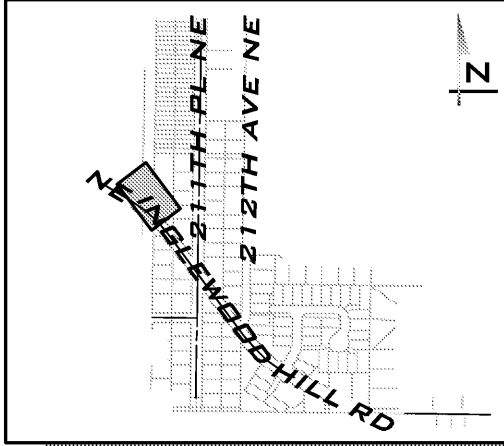
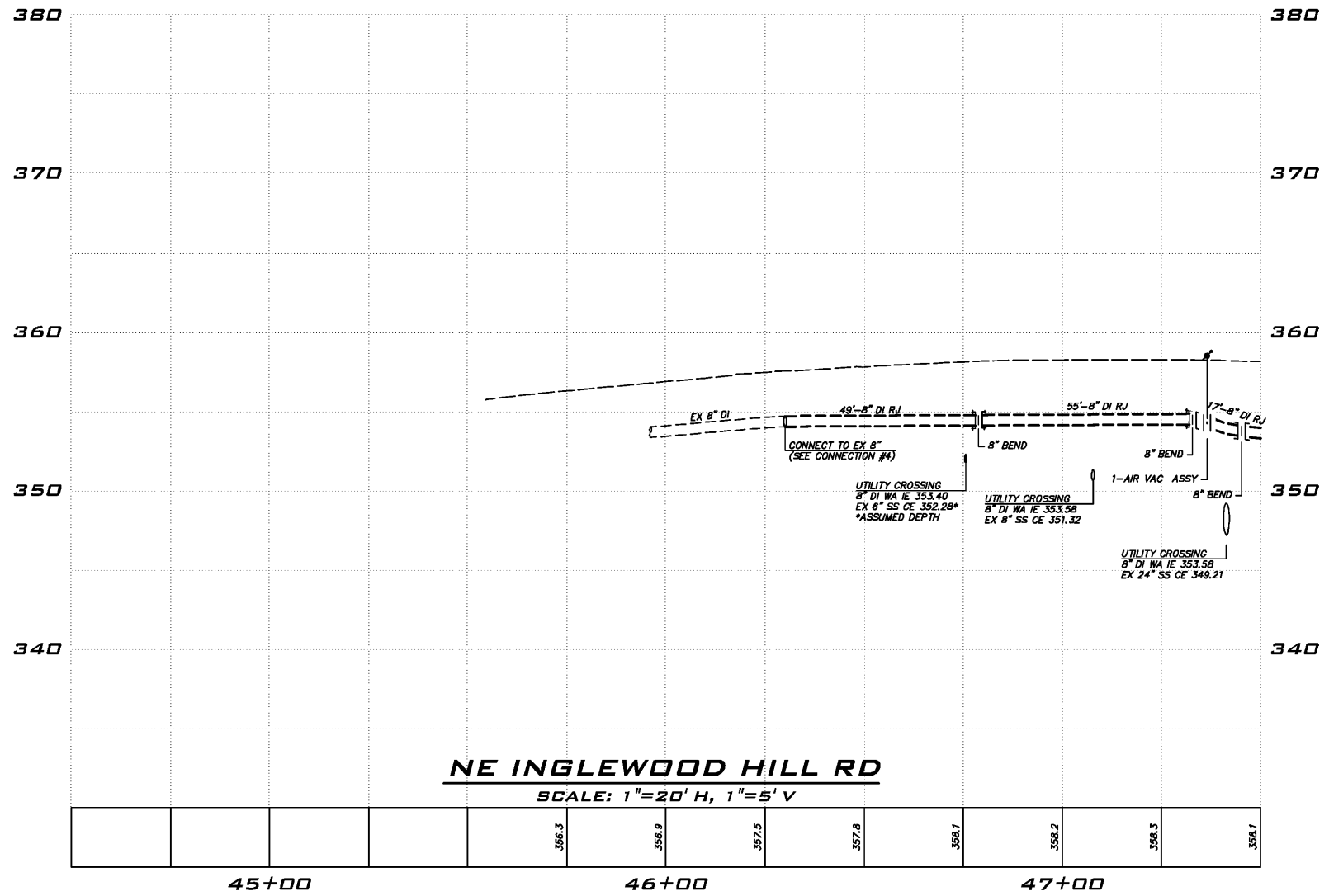
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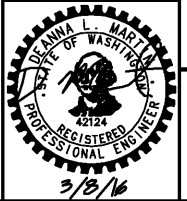
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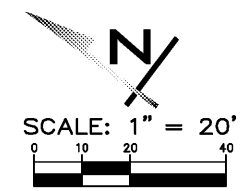
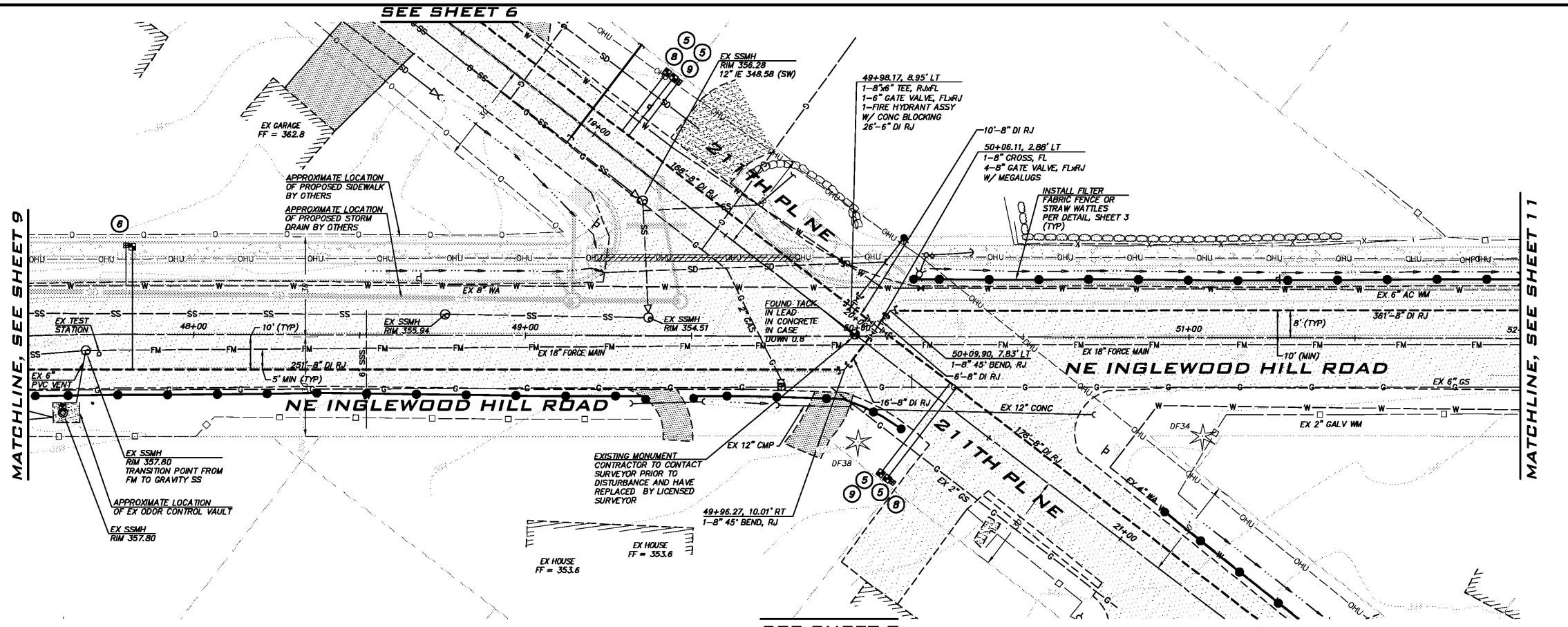


BY	DATE
REVISIONS	
SAMMAMISH PLATEAU WATER AND SEWER DISTRICT 1510 258TH AVE. S.E., SAMMAMISH, WA. 98075 (425) 395-6256 FAX (425) 391-5369	
	
INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN REPLACEMENT PLAN & PROFILE	
DATE:	12/11/2015
DRAWN:	BRIAN DENNEY
CHECKED:	DEANNA MARTIN
JOB NO.:	15-284
SHEET 9 OF 21	

Mar 08, 2016 - 3:13pm - User: frazier
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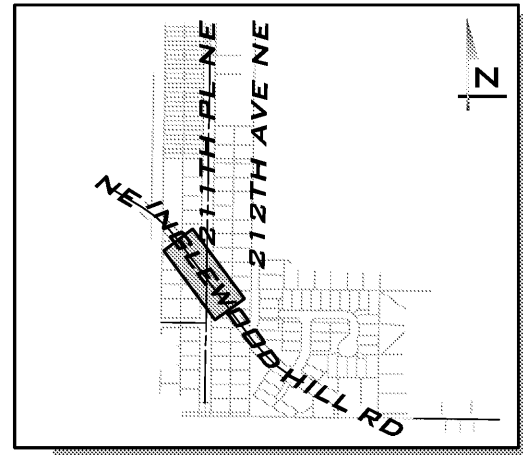
CALL 2 DAYS BEFORE YOU DIG
 "ONE CALL"
 8-1-1
 (WASHINGTON811.COM)

Mar 08, 2016 - 3:14pm - User: ttrahner
 E:\Projects\15294\Utility\Water Main Replacement\15294\MA07.dwg



- NOTES**
- EX METER TO REMAIN (INSTALLED RECENTLY OFF NEW MAIN).
 - REPLACE EX FH W/ NEW FH ASSEMBLY PER SPWSD STDS.
 - EX 6" PVC SS STUB W/ PLUG INSTALLED; REMOVE PLUG, EXTEND SS STUB TO E & INSTALL NEW PLUG (TYP OF 7).
 - EXTEND SIDE SEWER STUB AFTER EXISTING AC ABANDONED. CONTRACTOR TO PLUG CUT ENDS OF EXISTING AC W/ CONCRETE.
 - INSTALL 1" WATER SERVICE LINE W/ SINGLE 3/4" METER SETTER PER SPWSD STD DETAIL.
 - INSTALL TRAFFIC BEARING METER BOX LID.
 - INTERCEPT EXISTING WATER SERVICE LINE AND RECONNECT TO NEW MAIN.
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 - CONTRACTOR TO LOCATE AND RECONNECT CUSTOMER'S SUPPLY LINE BEHIND METER.

- NOTES**
- ALL WORK AND MATERIALS TO BE IN CONFORMANCE WITH SAMMAMISH PLATEAU WATER AND SEWER DISTRICT STANDARDS AND SPECIFICATIONS.
 - PRIOR TO CONSTRUCTION, CONTRACTOR TO POTHOLE EXISTING WATER MAINS TO DETERMINE HORIZONTAL LOCATIONS AND NOTIFY ENGINEER IF LOCATIONS ARE DIFFERENT THAN SHOWN ON THE PLANS.
 - PRIOR TO CONSTRUCTION, CONTRACTOR TO POTHOLE EXISTING UTILITIES AT ALL PROPOSED WATER MAIN CROSSINGS TO DETERMINE HORIZONTAL AND VERTICAL LOCATIONS AND CONSULT ENGINEER IF CONFLICTS ARE IDENTIFIED.
 - WATER MAIN TO BE INSTALLED AS SHOWN ON PROFILE.
 - CROSSING INFORMATION SHOWN WHERE VERTICAL SEPARATION IS < 4'.

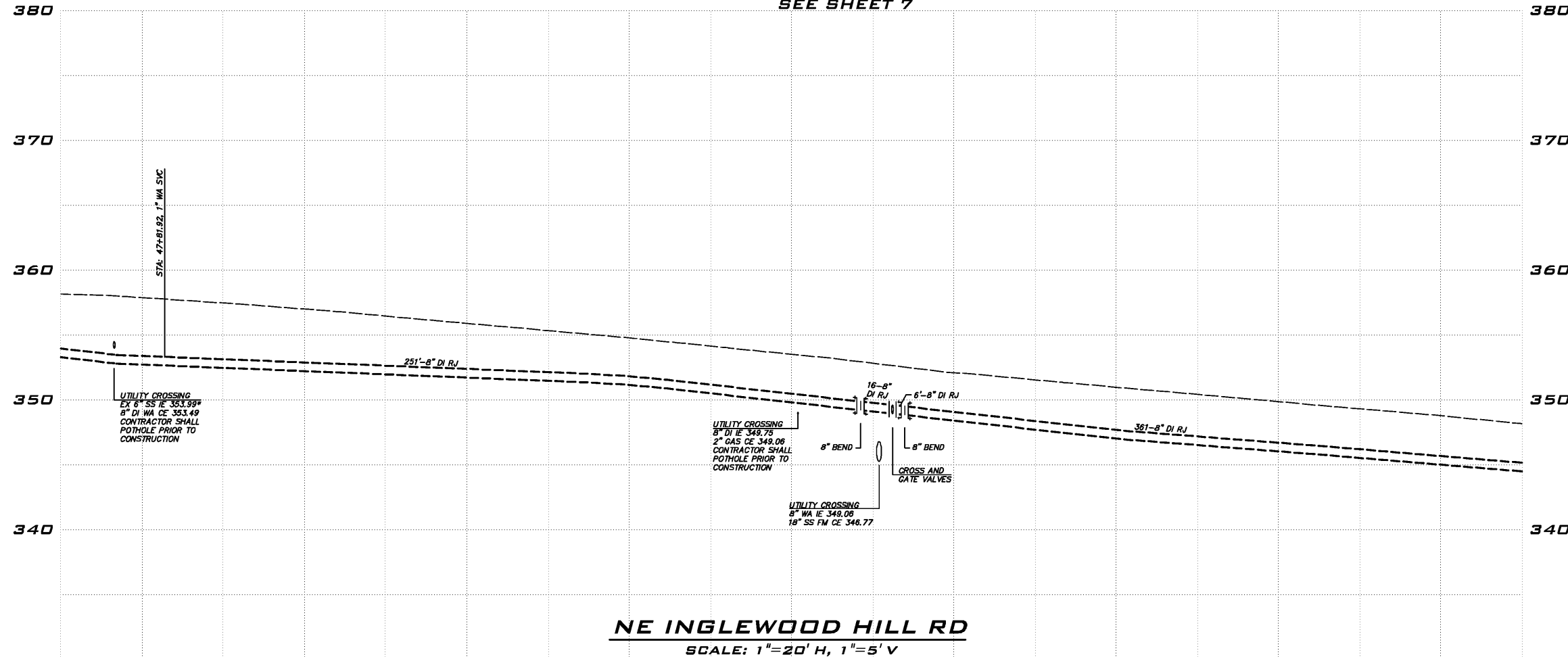


UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSINGS, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

NOTE

ALL WATER MAIN PIPE INSTALLED ON INGLEWOOD HILL ROAD SHALL BE RESTRAINED JOINT PIPE



NE INGLEWOOD HILL RD
SCALE: 1"=20' H, 1"=5' V

357.9	357.5	357.0	356.5	355.9	355.3	354.8	354.2	353.5	352.8	352.1	351.5	350.8	350.4	349.9	349.3	348.8	348.2
48+00				49+00					50+00				51+00				52+00

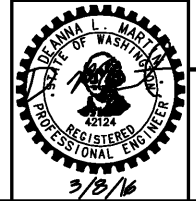
CALL 21 DAYS BEFORE YOU DIG
 "ONE CALL"
 8-1-1
 (WASHINGTON811.COM)

REVISIONS	BY	DATE

SAMMAMISH PLATEAU WATER AND SEWER DISTRICT
 1510 258TH AVE. S.E., SAMMAMISH, WA 98075
 (425) 392-6256 FAX (425) 391-5369

INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN REPLACEMENT PLAN & PROFILE

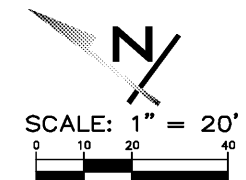
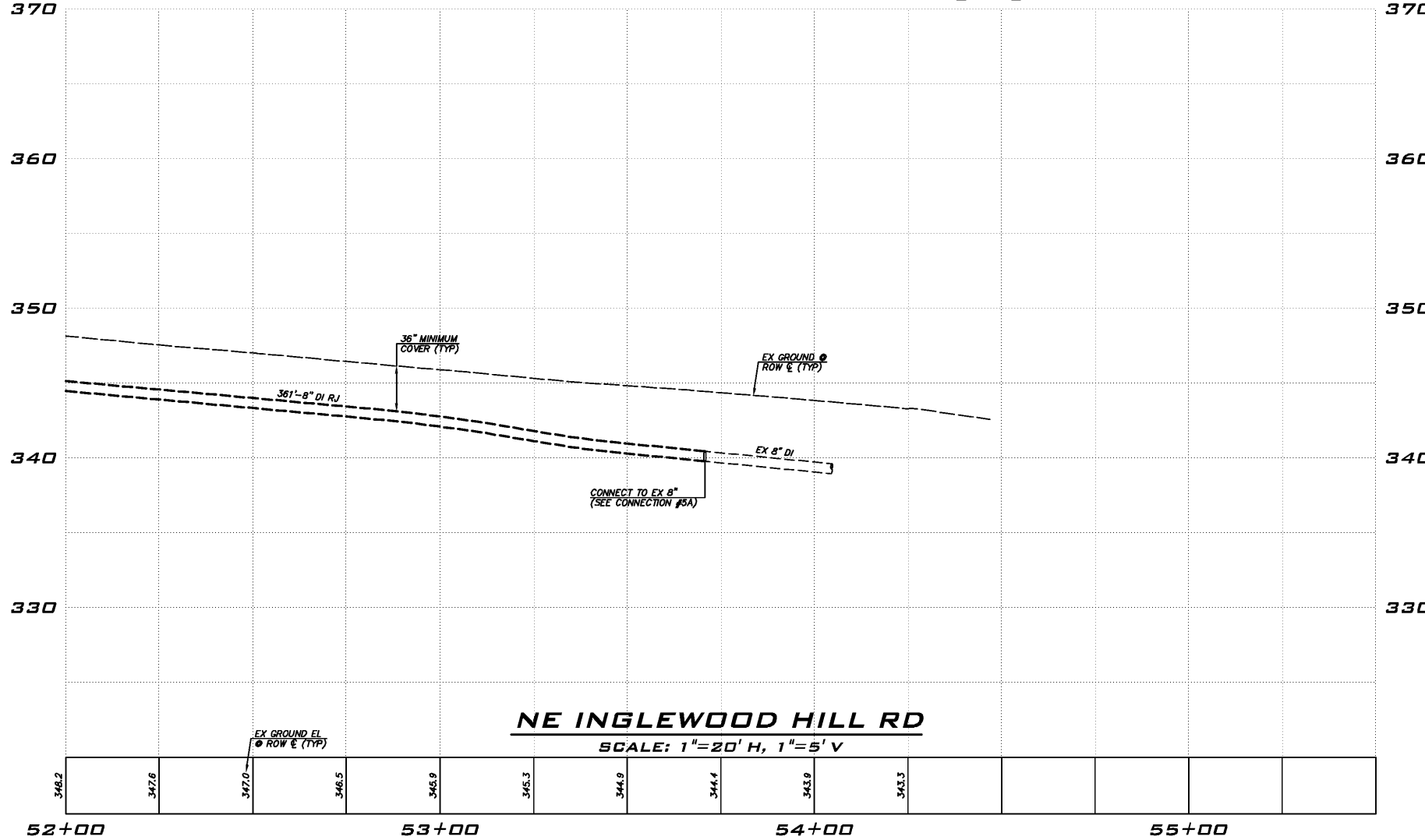
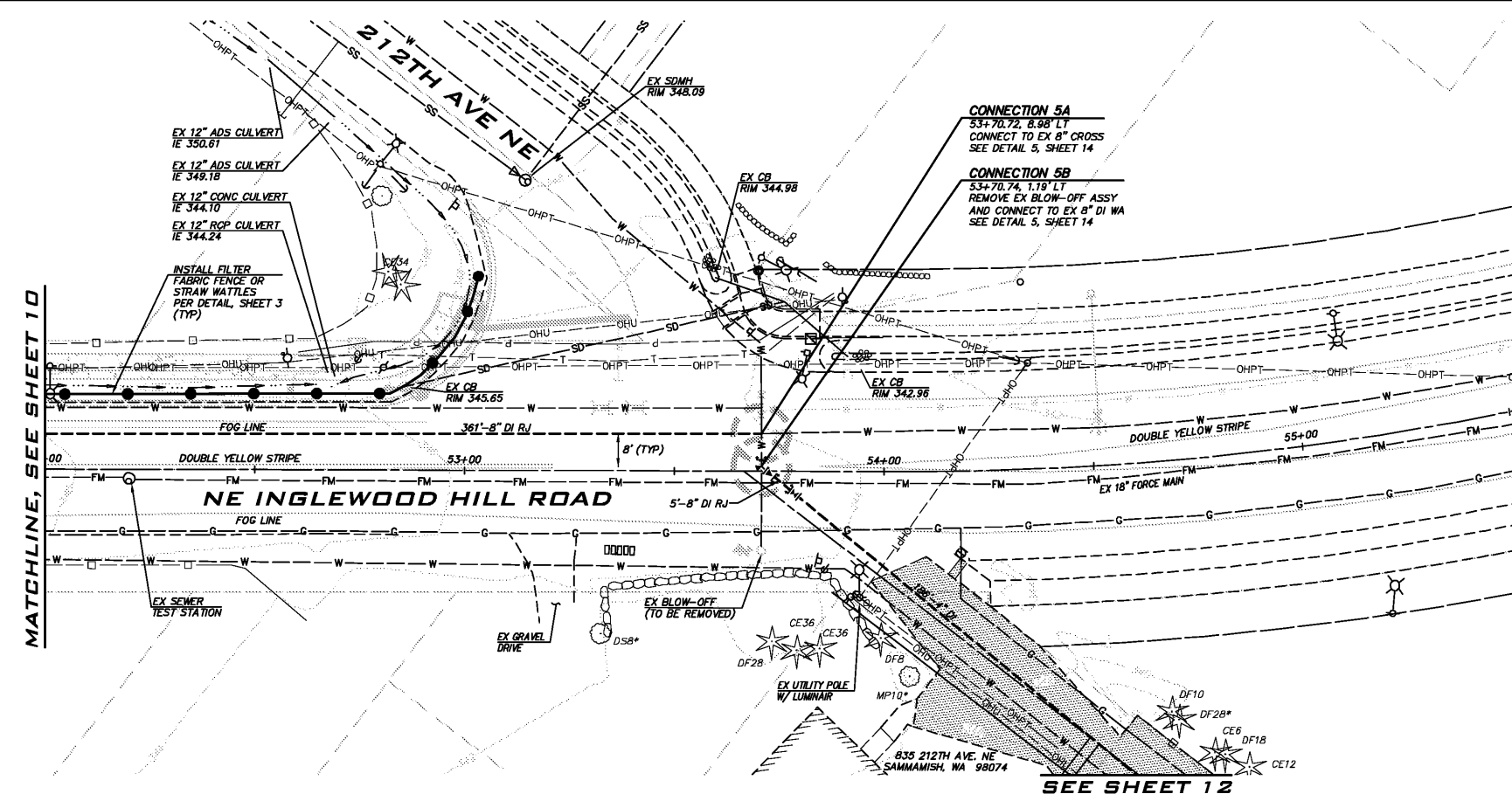
DATE: 12/11/2015
 DRAWN: BRIAN DENNEY
 CHECKED: DEANNA MARTIN
 JOB NO. 15-294



SHEET
 10
 OF
 21

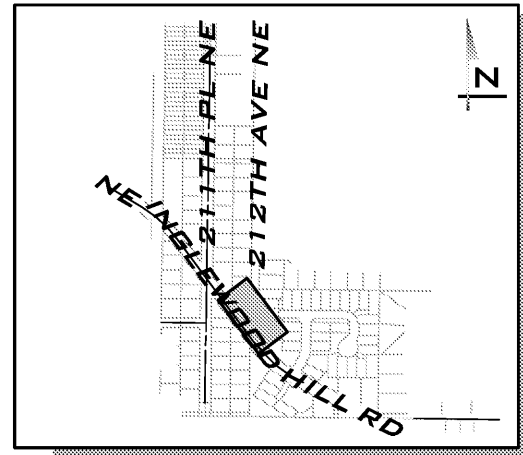
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CALL 2 DAYS BEFORE YOU DIG
 "ONE CALL"
 8-1-1
 (WASHINGTON811.COM)



- NOTES**
- ① EX METER TO REMAIN (INSTALLED RECENTLY OFF NEW MAIN).
 - ② REPLACE EX FH W/ NEW FH ASSEMBLY PER SPWSD STDS.
 - ③ EX 6" PVC SS STUB W/ PLUG INSTALLED; REMOVE PLUG, EXTEND SS STUB TO E & L AND INSTALL NEW PLUG (TYP OF 7).
 - ④ EXTEND SIDE SEWER STUB AFTER EXISTING AC ABANDONED. CONTRACTOR TO PLUG CUT ENDS OF EXISTING AC W/ CONCRETE.
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 5. CROSSING INFORMATION SHOWN WHERE VERTICAL SEPARATION IS < 4'.

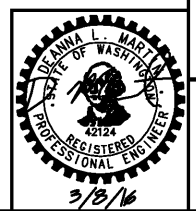


UNDERGROUND UTILITY NOTE

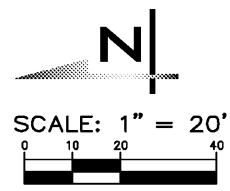
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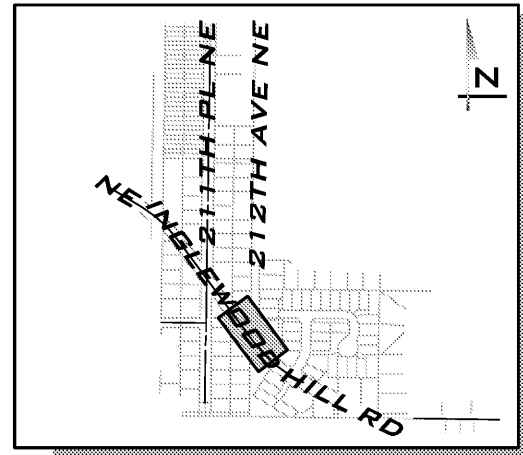


DATE									
BY									
REVISIONS									
SAMMAMISH PLATEAU WATER AND SEWER DISTRICT 1510 258TH AVE. S.E., SAMMAMISH, WA, 98075 (425) 392-6256 FAX (425) 391-5369									
INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN REPLACEMENT PLAN & PROFILE									
DATE:	12/11/2015	DRAWN:	BRIAN DENNEY	CHECKED:	DEANNA MARTIN	JOB NO.:	15-294	SHEET	11
									OF
									21



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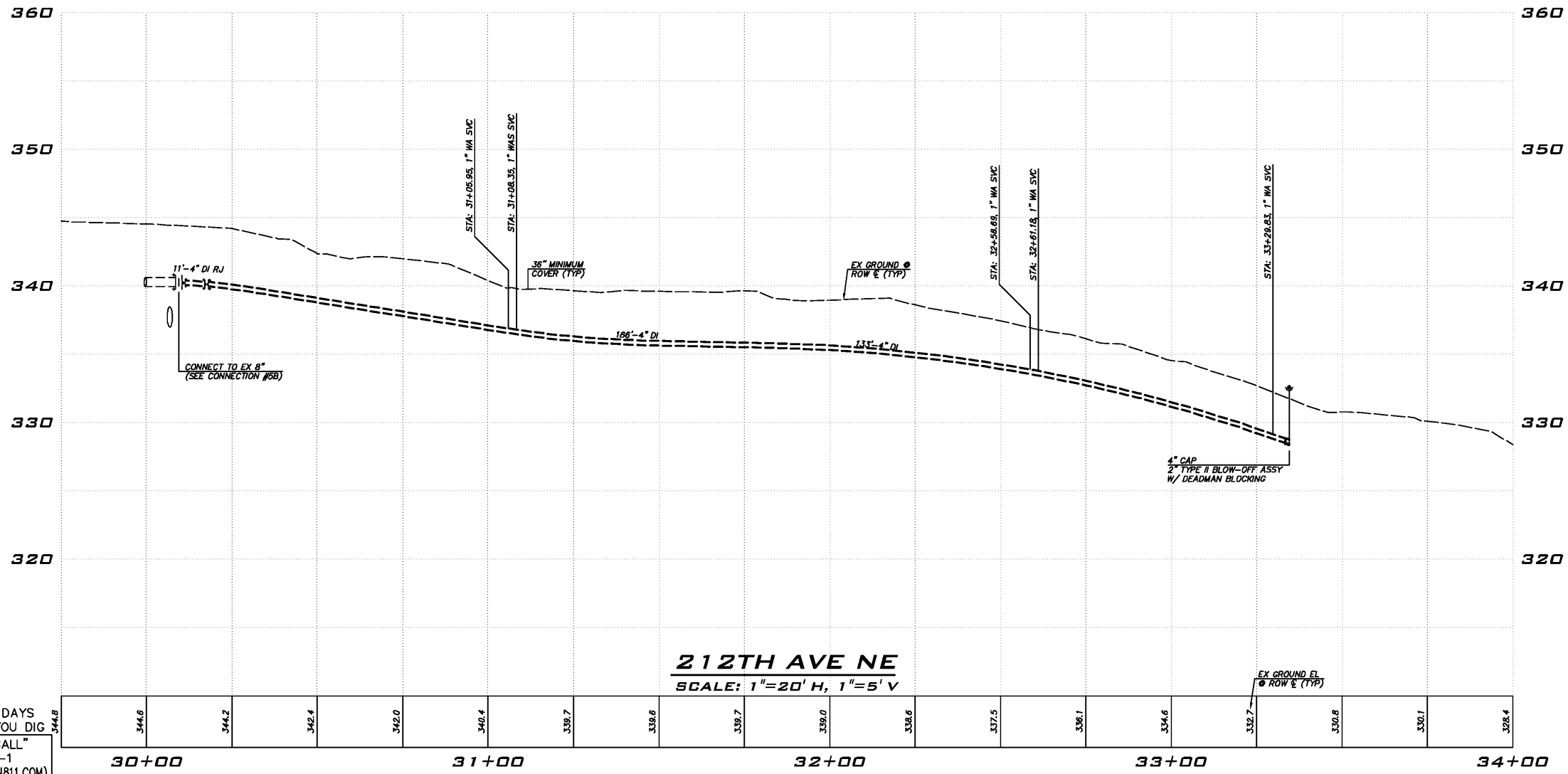
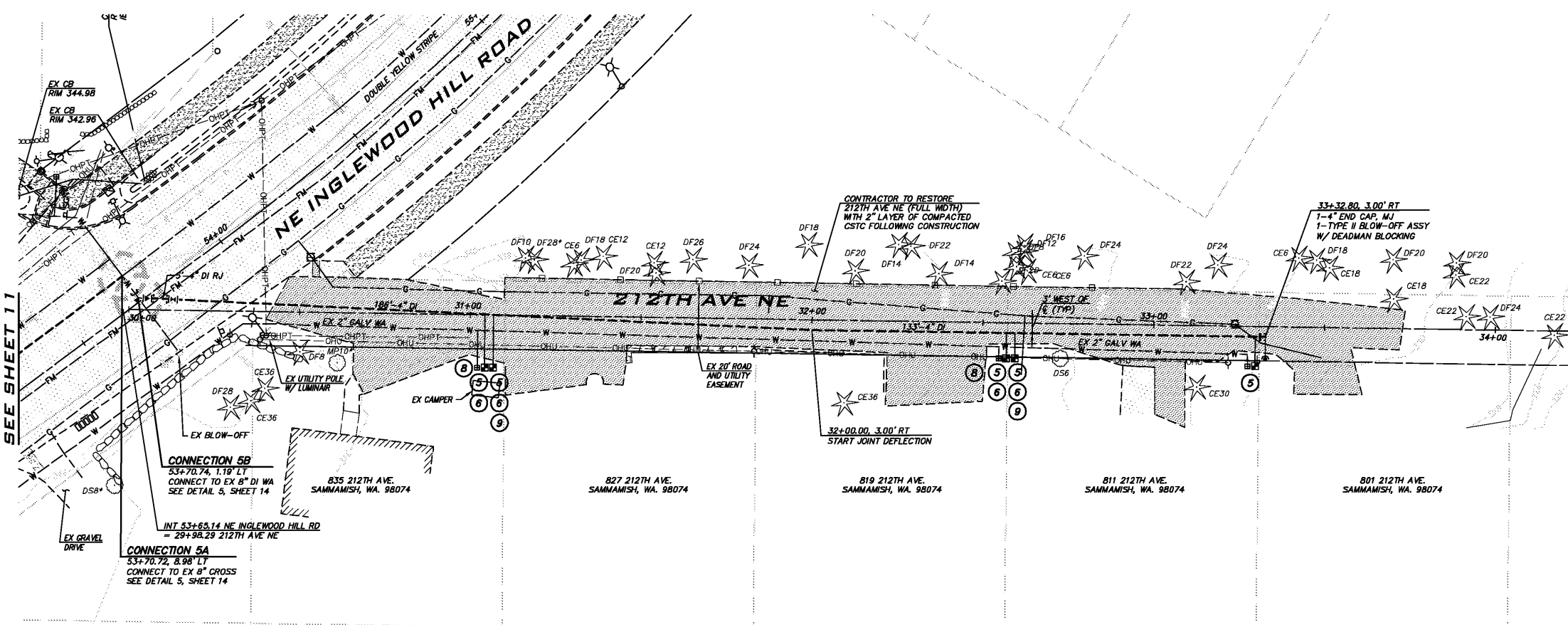


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NOTE

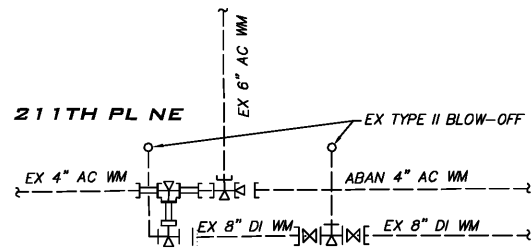
ALL WATER MAIN PIPE INSTALLED ON INGLEWOOD HILL ROAD SHALL BE RESTRAINED JOINT PIPE



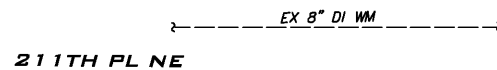
CALL 2 DAYS BEFORE YOU DIG
"ONE CALL"
8-1-1
(WASHINGTON811.COM)

DATE	
BY	
REVISIONS	
SAMMAMISH PLATEAU WATER AND SEWER DISTRICT 1510 258TH AVE. S.E. SAMMAMISH, WA. 98075 (425) 392-6256 FAX (425) 391-5369	
INGLEWOOD HILL RD @ 212TH PL NE WATER MAIN REPLACEMENT PLAN & PROFILE	
DATE:	12/11/2015
DRAWN:	BRIAN DENNEY
CHECKED:	DEANNA MARTIN
JOB NO.:	15-284
SHEET	12 OF 21

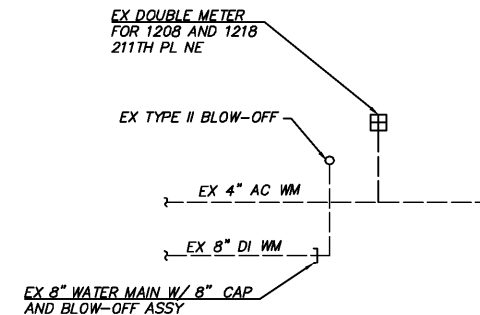
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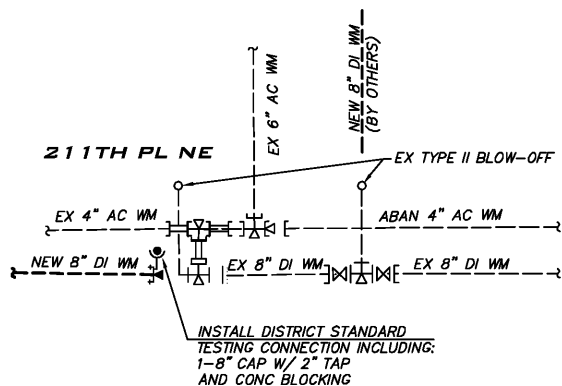
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(EXISTING CONDITIONS)
NOT TO SCALE



CONNECTION DETAIL #2
(EXISTING CONDITIONS)
NOT TO SCALE

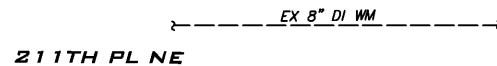


CONNECTION DETAIL #3
(EXISTING CONDITIONS)
NOT TO SCALE

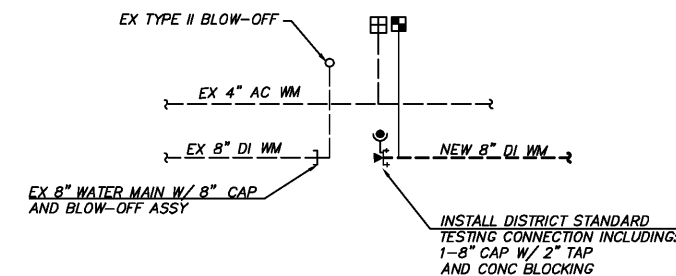


CONNECTION DETAIL #1
(TESTING CONNECTION)
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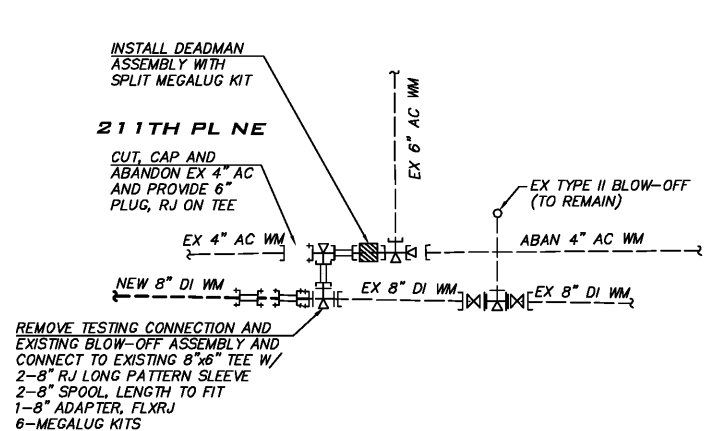
NOTE:
NO TESTING REQUIRED. DISTRICT INSPECTOR
WILL VISUALLY CHECK FOR LEAKS WHEN 8"
DI WATER MAIN IS CHARGED FOLLOWING
CUT-IN CONNECTION.



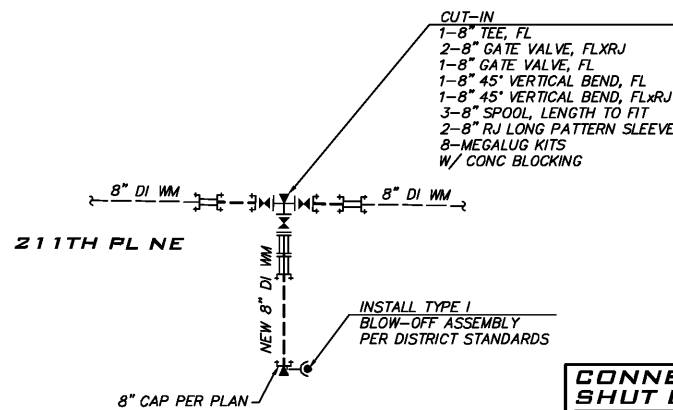
CONNECTION DETAIL #2
(TESTING CONNECTION)
NOT TO SCALE



CONNECTION DETAIL #3
(TESTING CONNECTION)
NOT TO SCALE



CONNECTION DETAIL #1
(FINAL CONNECTION)
NOT TO SCALE

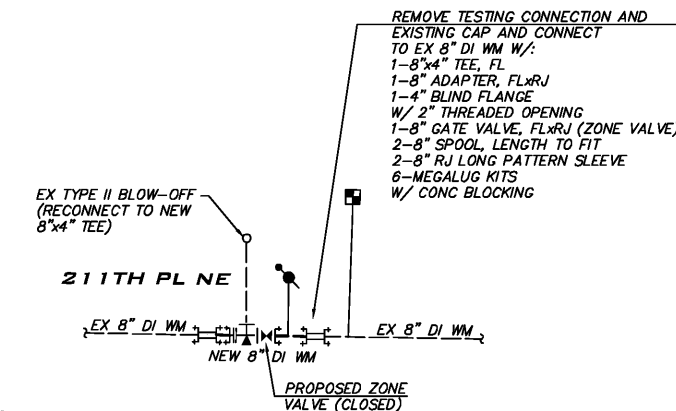


NOTE:
NO TESTING REQUIRED. DISTRICT INSPECTOR
WILL VISUALLY CHECK FOR LEAKS WHEN 8"
DI WATER MAIN IS CHARGED FOLLOWING
CUT-IN CONNECTION.

CONNECTION DETAIL #2
(FINAL CONNECTION)
NOT TO SCALE

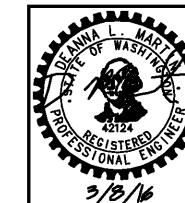
CONNECTION AND SHUT DOWN NOTES

- SCHEDULE WITH THE DISTRICT (72 HOURS MINIMUM NOTICE) ALL WATER MAIN SHUT-DOWNS AND CONNECTIONS.
- INSTALLATION OF THE DISTRICT'S STANDARD TESTING CONNECTIONS IS REQUIRED FOR ALL FLUSHING AND TESTING ACTIVITIES.
- FOLLOWING COMPLETION OF NEW CONSTRUCTION, TESTING, AND ACCEPTANCE BY THE DISTRICT, REMOVE THE TESTING CONNECTION AND INSTALL SEGMENTS OF DI PIPE (LENGTH TO SUIT) WITH TWO (2) RESTRAINED MJ SLEEVES.
- INSTALLATION AND CONNECTION SHALL BE WITH 100% DISTRICT INSPECTION.



CONNECTION DETAIL #3
(FINAL CONNECTION)
NOT TO SCALE

CALL 2 DAYS BEFORE YOU DIG
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(WASHINGTON811.COM)



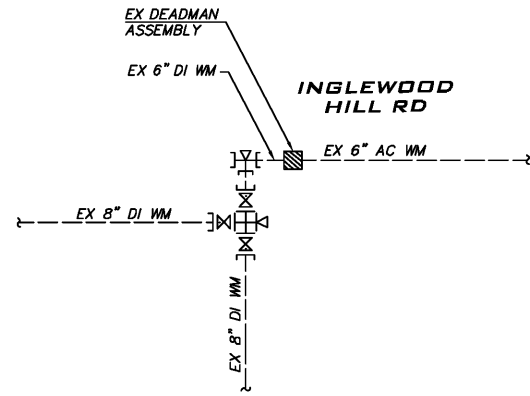
REVISIONS	BY	DATE

SAMMAMISH PLATEAU WATER AND SEWER DISTRICT
1510 258TH AVE. S.E., SAMMAMISH, WA 98075
(425) 392-6256 FAX (425) 391-5369

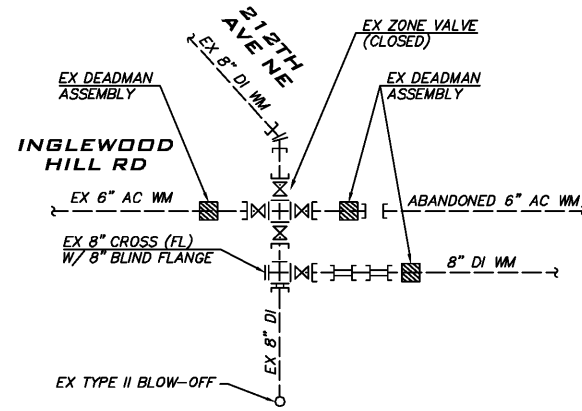
INGLEWOOD HILL RD @ 211TH PL NE WATER MAIN CONNECTION DETAILS

DATE: 12/11/2015
DRAWN: BRIAN DENNEY
CHECKED: DEANNA MARTIN
JOB NO. 15-284

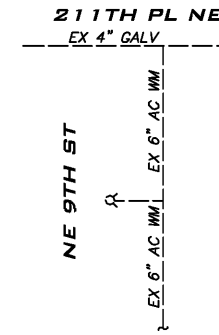
SHEET
13
OF
21



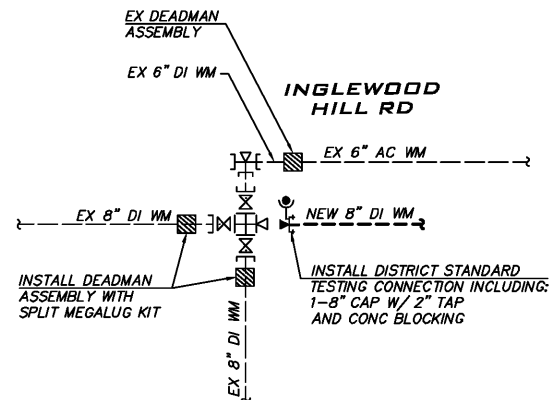
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(EXISTING CONDITIONS)
NOT TO SCALE



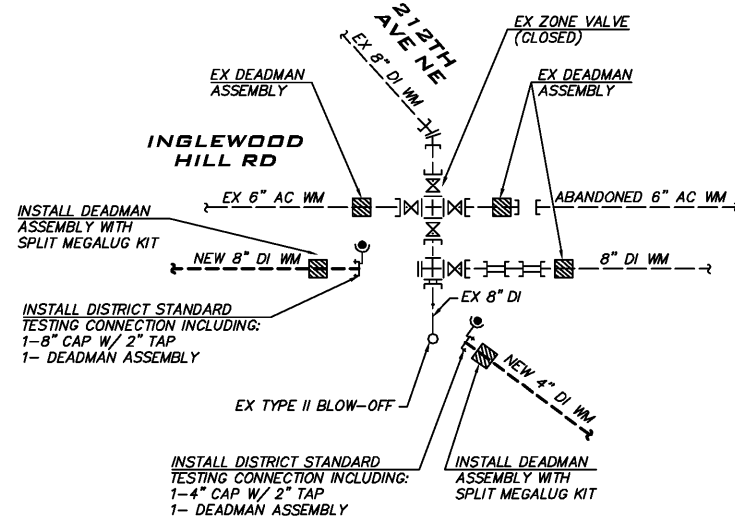
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(EXISTING CONDITIONS)
NOT TO SCALE



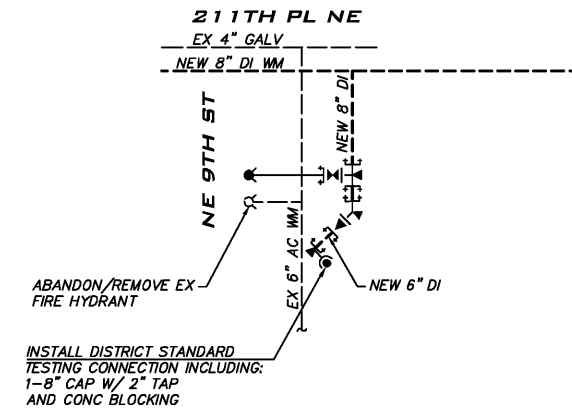
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(EXISTING CONDITIONS)
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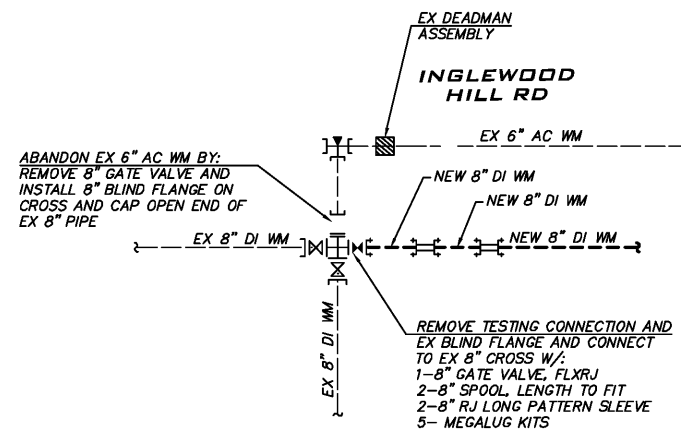
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(TESTING CONNECTION)
NOT TO SCALE



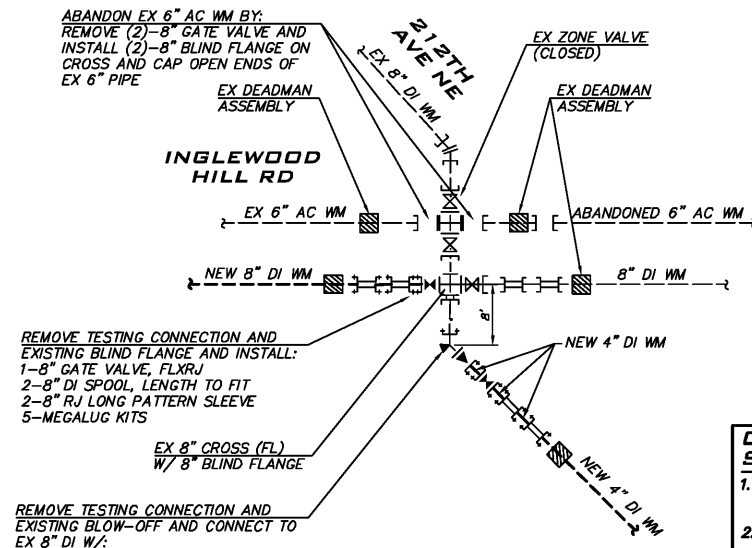
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(TESTING CONNECTION)
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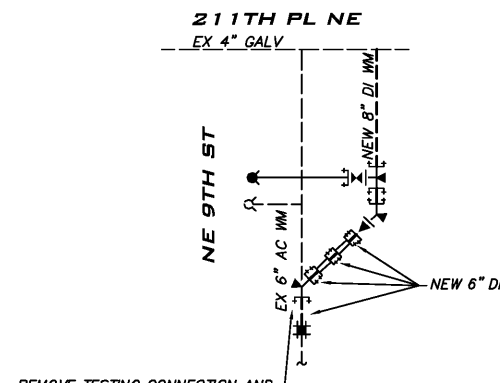
CONNECTION DETAIL #6
(TESTING CONNECTION)
NOT TO SCALE



CONNECTION DETAIL #4
(FINAL CONNECTION)
NOT TO SCALE



CONNECTION DETAIL #5
(FINAL CONNECTION)
NOT TO SCALE



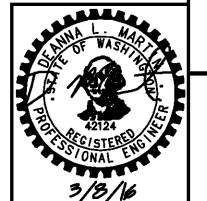
CONNECTION DETAIL #6
(FINAL CONNECTION)
NOT TO SCALE

CONNECTION AND SHUT DOWN NOTES

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REMOVE TESTING CONNECTION AND CONNECT TO EX 6" AC WM W/:

- 1-6" 45° BEND, RJ
- 4-6" DI SPOOL, LENGTH TO FIT
- 2-6" RJ LONG PATTERN SLEEVE
- 1-6" ROMAC COUPLING
- 6-MEGALUG KITS
- W/ CONC BLOCKING



REVISIONS	DATE

SAMMAMISH PLATEAU
WATER AND SEWER DISTRICT
1510 258TH AVE. S.E., SAMMAMISH, WA. 98075
(425) 392-6256 FAX (425) 391-5369

INGLEWOOD HILL RD @ 211TH PL NE
WATER MAIN CONNECTION
DETAILS

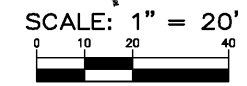
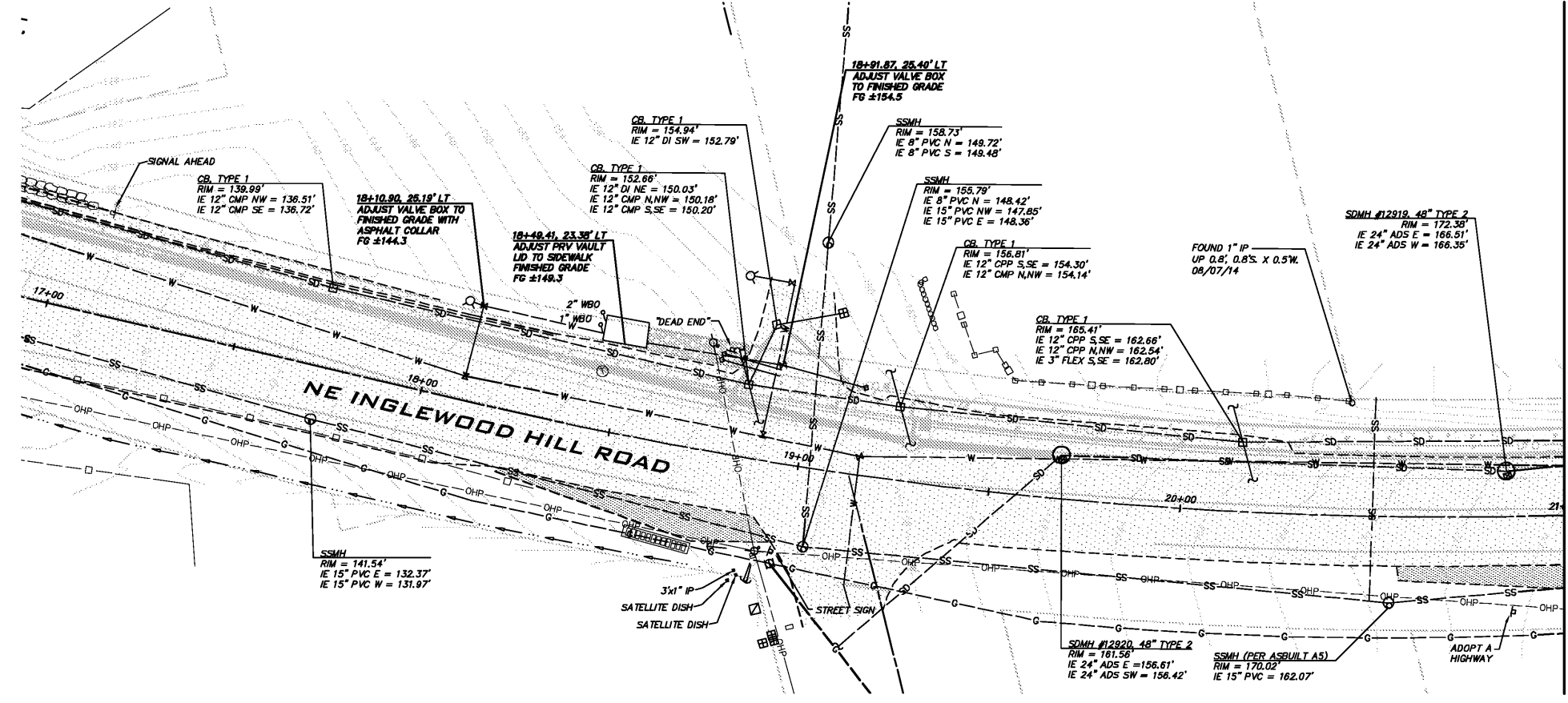
DATE: 12/11/2015
DRAWN: BRIAN DENNEY
CHECKED: DEANNA MARTIN
JOB NO. 15-284

Mar 08, 2016 - 3:15pm - User: tfratner
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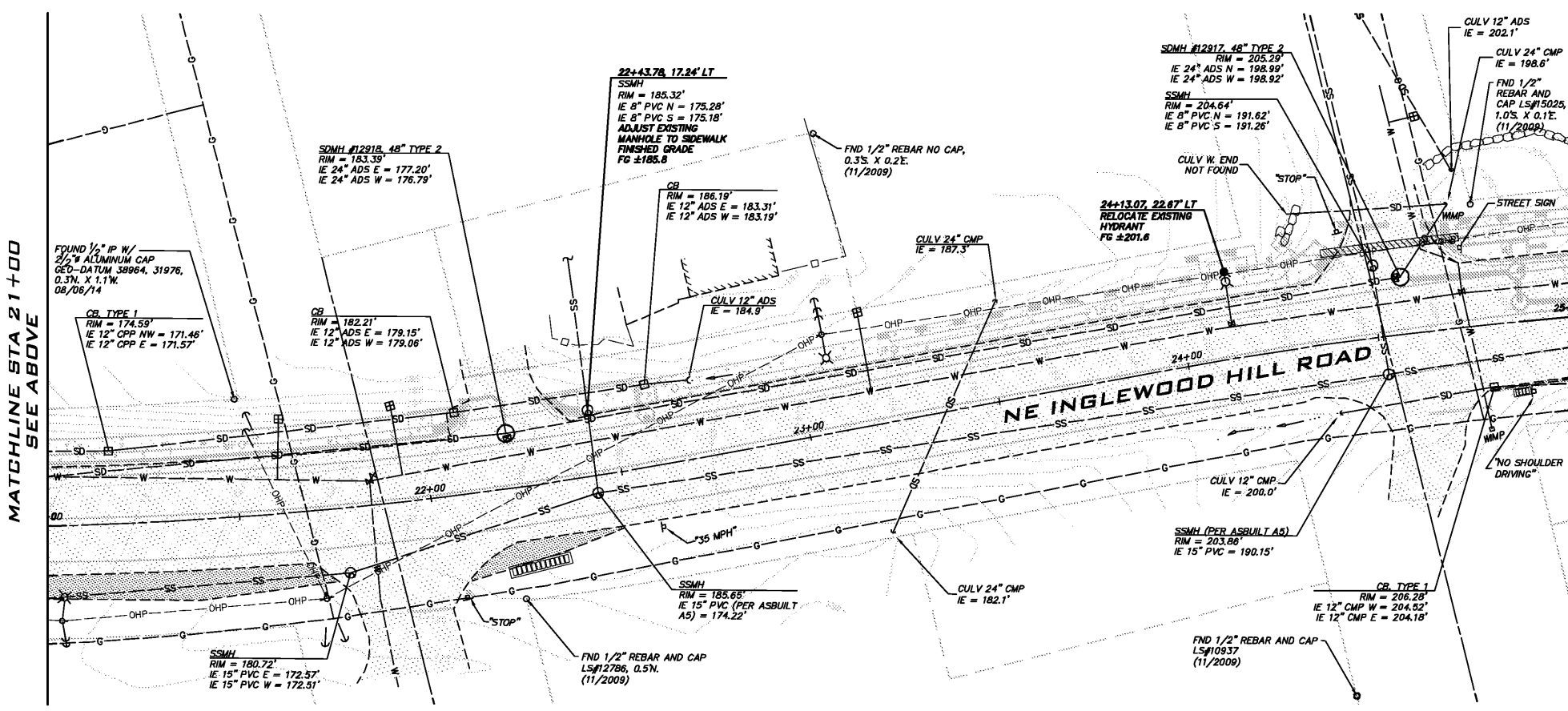
CALL 2 DAYS BEFORE YOU DIG
"ONE CALL"
8-1-1
(WASHINGTON811.COM)

Mar 08, 2016 - 6:09am - User: bdenney
 E:\Projects\15294\Draw\Water_Mat Replacement\15294\T01.dwg

CALL 2 DAYS BEFORE YOU DIG
 "ONE CALL"
 8-1-1
 (WASHINGTON811.COM)



MATCHLINE STA 21+00
SEE BELOW



MATCHLINE STA 25+00
SEE SHEET 16

NOTE
 ALL STATIONING ON SHEETS 15 AND 16 REFERENCES STATIONING SHOWN ON INGLEWOOD NEIGHBORHOOD DRAINAGE PLANS BY OSBORN CONSULTING.

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 2. PRIOR TO CONSTRUCTION, CONTRACTOR TO POTHOLE EXISTING WATER MAINS TO DETERMINE HORIZONTAL LOCATIONS AND NOTIFY ENGINEER IF LOCATIONS ARE DIFFERENT THAN SHOWN ON THE PLANS.

UNDERGROUND UTILITY NOTE
 UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSINGS, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES. TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

NOTE
 ALL WATER MAIN PIPE INSTALLED ON INGLEWOOD HILL ROAD SHALL BE RESTRAINED JOINT PIPE



REVISIONS	BY	DATE

SAMMAMISH PLATEAU WATER AND SEWER DISTRICT
 1510 258TH AVE. S.E., SAMMAMISH, WA. 98075
 (425) 392-6256 FAX (425) 391-5369

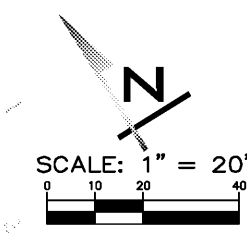
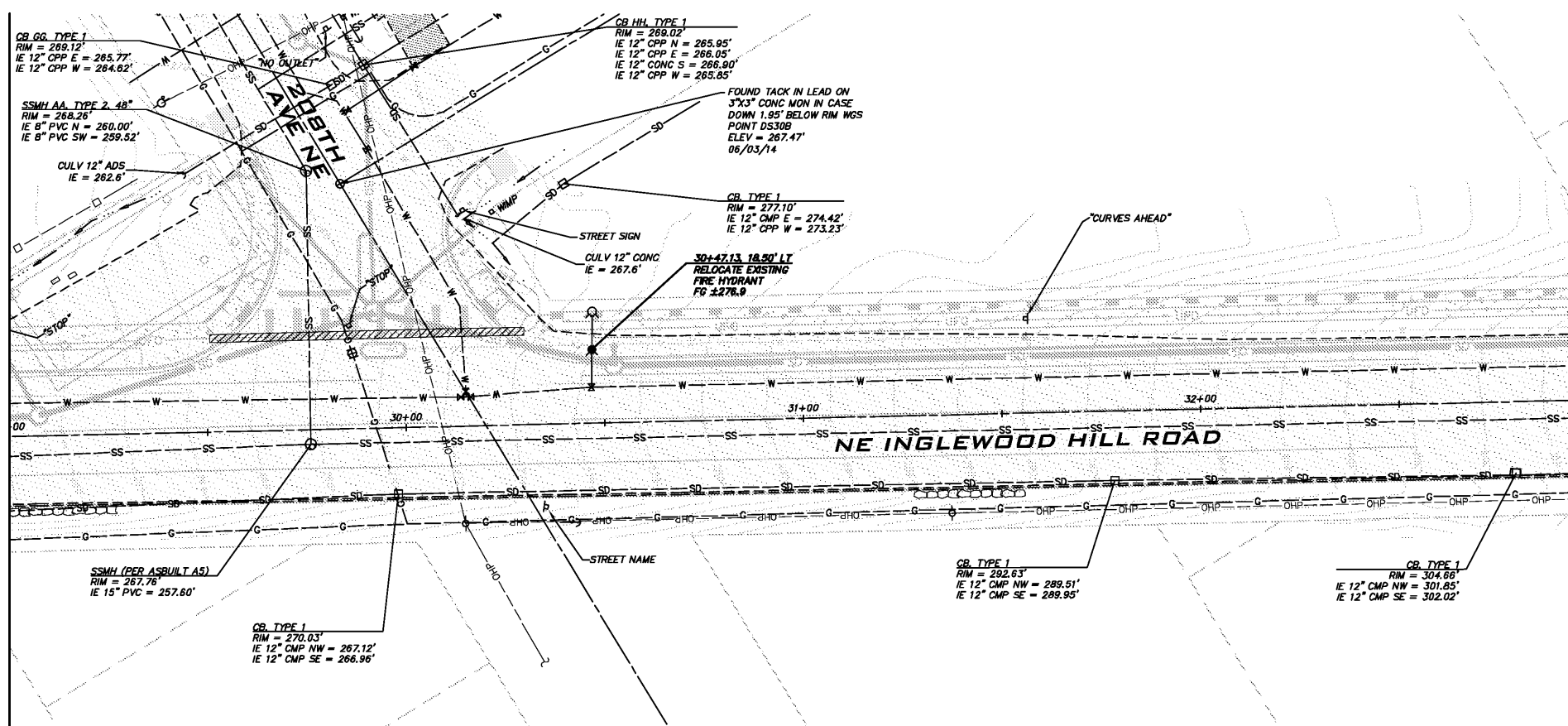
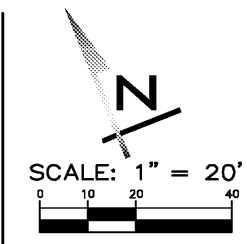
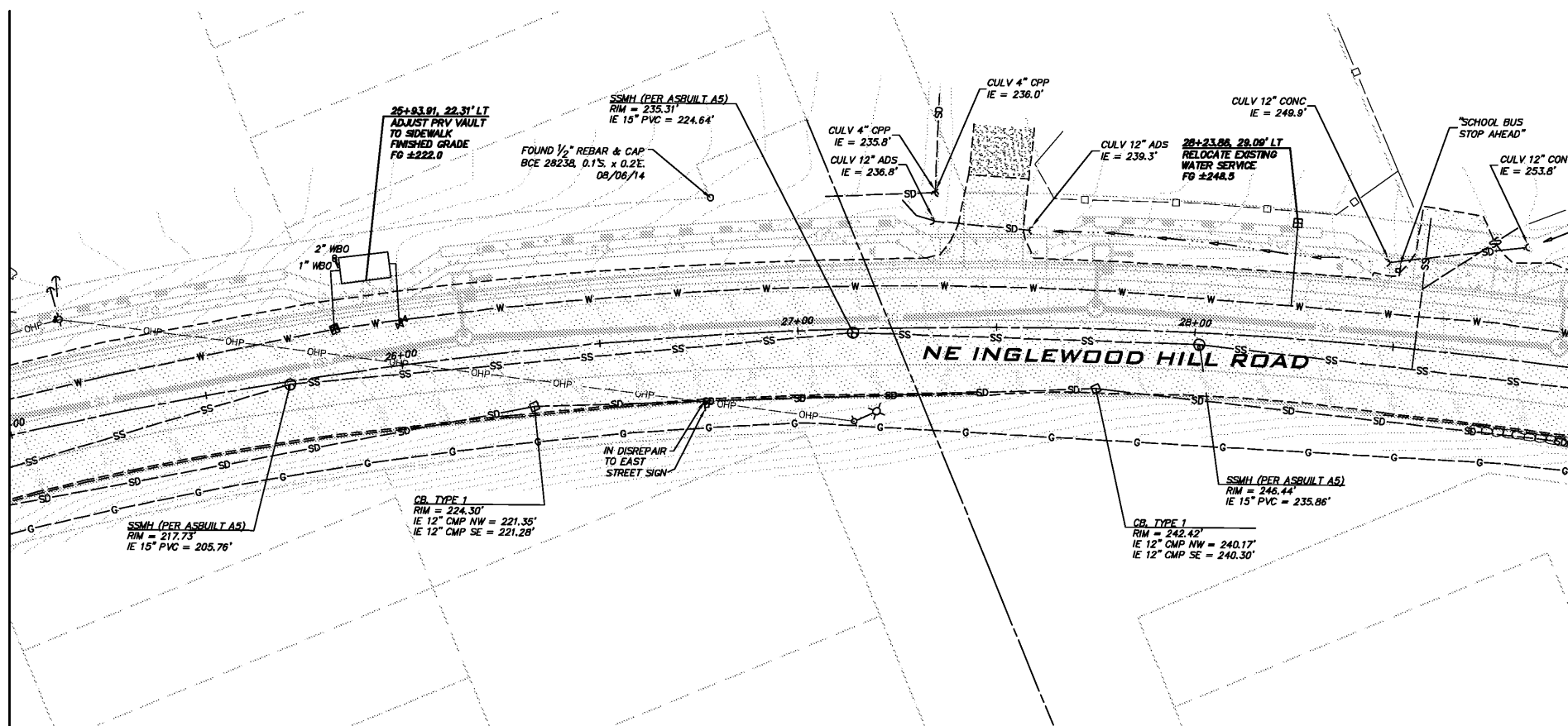
INGLEWOOD HILL RD @ 211TH PL NE UTILITY ADJUSTMENT PLAN

DATE: 12/11/2015
 DRAWN: BRIAN DENNEY
 CHECKED: DEANNA MARTIN
 JOB NO.: 15-294

SHEET
15
 OF
21

MATCHLINE STA 25+00
SEE SHEET 15

MATCHLINE STA 29+00
SEE ABOVE



NOTE
ALL STATIONING ON SHEETS 15 AND 16 REFERENCES STATIONING SHOWN ON INGLEWOOD NEIGHBORHOOD DRAINAGE PLANS BY OSBORN CONSULTING.

NOTES

1. ALL WORK AND MATERIALS TO BE IN CONFORMANCE WITH SAMMAMISH PLATEAU WATER AND SEWER DISTRICT STANDARDS AND SPECIFICATIONS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR TO POTHOLE EXISTING WATER MAINS TO DETERMINE HORIZONTAL LOCATIONS AND NOTIFY ENGINEER IF LOCATIONS ARE DIFFERENT THAN SHOWN ON THE PLANS.

UNDERGROUND UTILITY NOTE
UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSINGS, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

NOTE
ALL WATER MAIN PIPE INSTALLED ON INGLEWOOD HILL ROAD SHALL BE RESTRAINED JOINT PIPE

CALL 2 DAYS BEFORE YOU DIG
"ONE CALL"
8-1-1
(WASHINGTON811.COM)



REVISIONS	BY	DATE

SAMMAMISH PLATEAU WATER AND SEWER DISTRICT
1510 258TH AVE. S.E., SAMMAMISH, WA 98075
(425) 392-6256 FAX (425) 391-5369

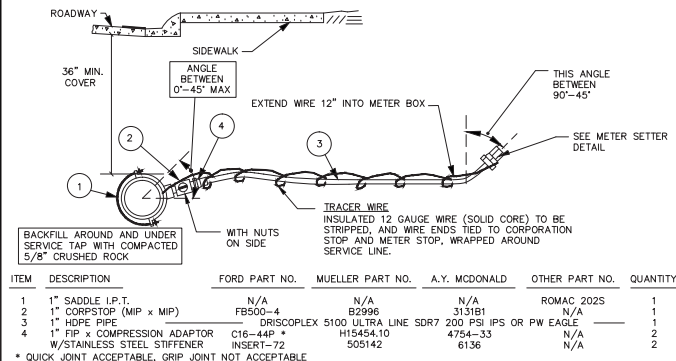
INGLEWOOD HILL RD @ 211TH PL NE UTILITY ADJUSTMENT PLAN

DATE: 12/11/2015
DRAWN: BRIAN DENNEY
CHECKED: DEANNA MARTIN
JOB NO. 15-284

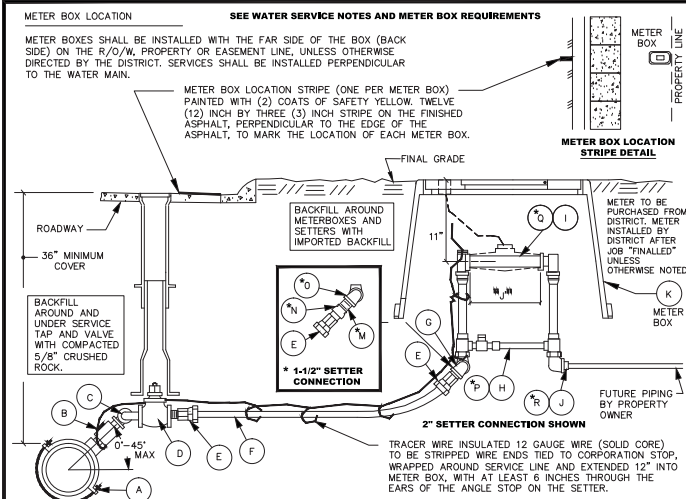
SHEET
16
OF
21

- NOTES:**
1. THE METER BOX SHALL BE INSTALLED WITH THE FAR SIDE OF THE METER BOX (BACK SIDE) ON THE R/O/W, PROPERTY LINE OR EASEMENT LINE, IN LANDSCAPED (NON-TRAFFIC, NON-CRUSHED SURFACING TOP COARSE, NON-CONCRETE) AREAS.
 2. BACKFILL AROUND METER BOXES AND SETTERS SHALL BE WITH IMPORTED BACKFILL, OR WITH NATIVE MATERIAL THAT MEETS THE REQUIREMENTS FOR IMPORTED BACKFILL, EXCEPT THAT 100% SHALL PASS 2" SQUARE. PEA GRAVEL OR SAND ARE NOT ALLOWED.
 3. ALL PIPE AND FITTINGS TO BE ASSEMBLED WITH TEFLON TAPE AND PIPE DOPE UNLESS OTHERWISE NOTED.
 4. PROVIDE AT LEAST 18-INCHES CLEARANCE FROM ALL OTHER UTILITIES, BUSHES, AND OBSTRUCTIONS. PROVIDE AT LEAST 5-FOOT FROM ALL TREES, AND STRUCTURES. NO FENCES OR ROCKERIES SHALL BE PLACED BETWEEN THE METER BOX AND THE MAIN.
 5. METER BOXES LOCATED WITHIN 2 FEET OF DRIVEWAYS, PAVED AREAS, OR AREAS WHERE THE BOX CAN BE SUBJECTED TO VEHICULAR TRAFFIC SHALL BE A TRAFFIC BEARING METER BOX AS NOTED BELOW LOCATING A METER BOX IN AN AREA SUBJECT TO VEHICULAR TRAFFIC REQUIRES WRITTEN DISTRICT APPROVAL DURING DESIGN. METER BOXES THAT BECOME LOCATED IN TRAFFIC AREAS DURING OR AFTER CONSTRUCTION WITHOUT DISTRICT WRITTEN APPROVAL DURING DESIGN SHALL BE ABANDONED AT THE MAIN AND A NEW SERVICE SHALL BE INSTALLED TO A LANDSCAPED (NON-TRAFFIC) AREA.
 6. WHERE TRAFFIC BEARING METER BOXES ARE USED WITHIN A CONCRETE SURFACE, A 5/8" INCH EXPANSION JOINT SHALL BE PROVIDED AROUND THE BOX WITH AN EIGHTEEN (18) INCH GAP BETWEEN THE EXPANSION JOINT AND METER BOX ON ALL SIDES.
 7. APPROVED METER BOXES SHALL BE AS FOLLOWS:
 - a) APPROVED METER BOXES FOR SINGLE AND DOUBLE SERVICES IN NON-TRAFFIC AREAS: CARSON 1220-12, DRILLED 1 3/4" HOLE FOR TOUCH-READ PAD, LOCATE 2 1/2" MIN. FROM EDGE.
 - b) FOR SINGLE SERVICE IN TRAFFIC AREAS: FOGTITE B10 W/ALUMINUM LID, DRILLED 1 3/4" HOLE FOR TOUCH-READ PAD, LOCATE 2 1/2" MIN. FROM EDGE.
 - c) TOUCH-READ PAD, LOCATE 2 1/2" MIN. FROM EDGE.
 - d) FOR DOUBLE SERVICE IN TRAFFIC AREAS: FOGTITE TYPE II W/ STEEL REINFORCED LID AND HINGED INSPECTION PLATE, PRE-DRILLED W/ TWO (2) 1 3/4" HOLES FOR TOUCH-READ PAD, LOCATE 2 1/2" MIN. FROM EDGE.
 8. MAINTAIN AND LEAVE SERVICE MARKER IN PLACE UNTIL LANDSCAPING IS DONE.
 9. ANY DEVIATION FROM THESE ABOVE STANDARDS SHALL REQUIRE A WRITTEN VARIANCE REQUEST TO THE DISTRICT FOR REVIEW AND CONSIDERATION.

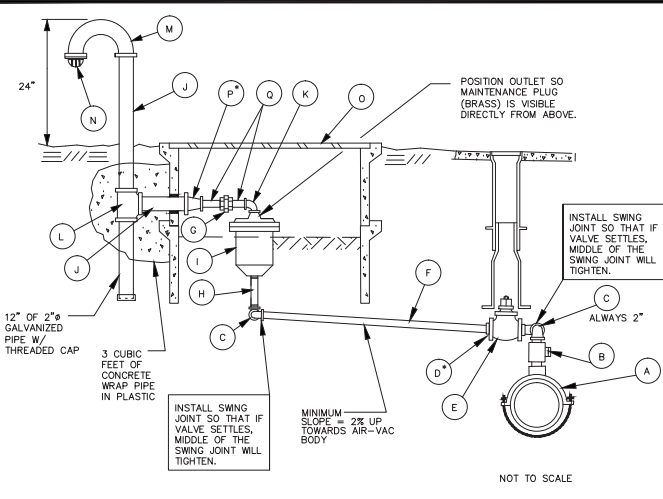
WATER SERVICE NOTES AND METER BOX REQUIREMENTS



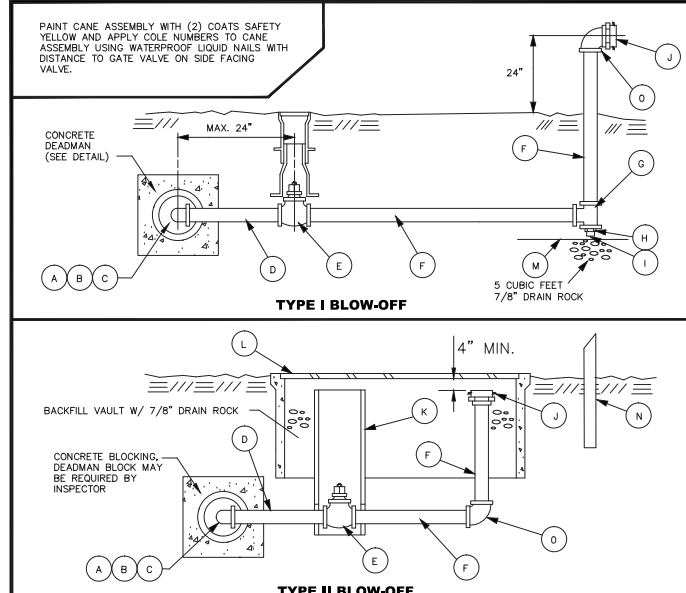
1" SERVICE LINE DETAIL



1-1/2" AND 2" METER SETTER DETAIL



1" AND 2" AIR AND VACUUM RELIEF VALVE ASSEMBLY



TYPE I AND II BLOW-OFF ASSEMBLY

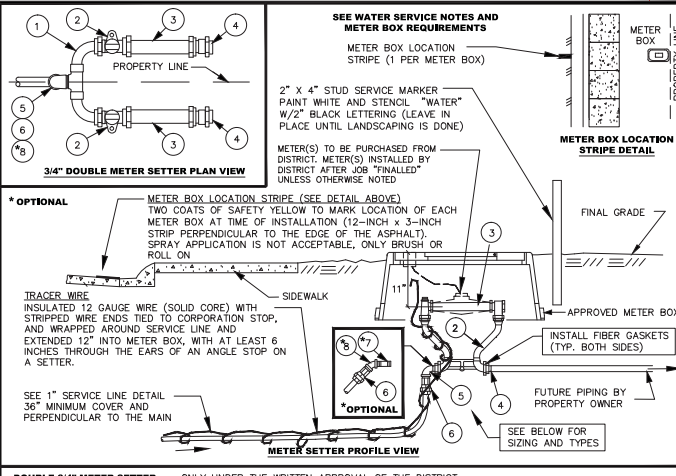
ITEM	DESCRIPTION	FORD PART NO.	MUELLER PART NO.	A.Y. MCDONALD	OTHER PART NO.	QUANTITY
1	1" SADDLE L.P.T.	N/A	N/A	N/A	ROMAC 2025	1
2	1" CORPSTOP (MIP x MIP)	FB500-4	B2996	313181	N/A	1
3	1" HDPE PIPE	DRISCOPLEX 5100 ULTRA LINE SDR7	200 PSI IPS OR PW EAGLE	N/A	N/A	1
4	1" FIP x COMPRESSION ADAPTOR	C16-44P	H15454.10	4754-10	N/A	2
5	W/STAINLESS STEEL STIFFENER	INSERT-72	505142	6136	N/A	2

- NOTES:**
1. ALL PIPE AND FITTINGS TO BE ASSEMBLED WITH TEFLON TAPE AND PIPE DOPE UNLESS OTHERWISE NOTED.
 2. SERVICE LINES SHALL BE INSTALLED PERPENDICULAR TO THE WATER MAIN.
 3. THE SERVICE LINE SHALL BE INSTALLED TO ALLOW FOR THE FAR SIDE OF THE METER BOX TO BE INSTALLED ON THE R/O/W AND CENTERED ON THE PROPERTY LINE OR EASEMENT LINE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.

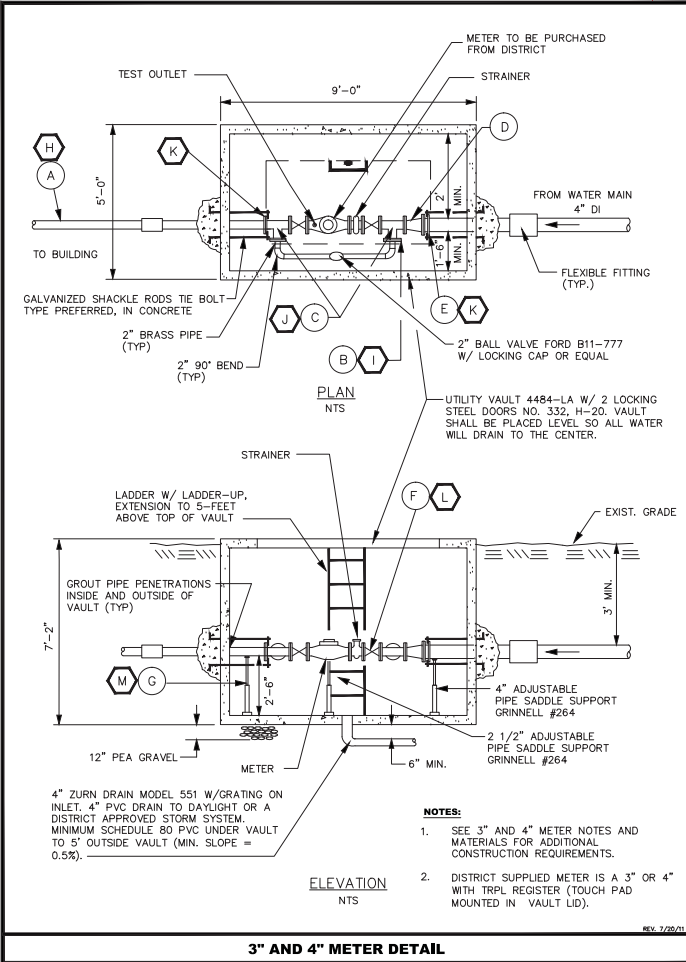
- NOTES:**
1. ALL PIPE AND FITTINGS TO BE ASSEMBLED WITH TEFLON TAPE AND PIPE DOPE UNLESS OTHERWISE NOTED.
 2. METER BOXES LOCATED WITHIN 2 FEET OF DRIVEWAYS, PAVED AREAS, OR AREAS WHERE THE BOX CAN BE SUBJECTED TO VEHICULAR TRAFFIC OR AT THE DIRECTION OF THE DISTRICT, SHALL BE A FOGTITE TYPE 2 METER BOX WITH A STEEL REINFORCED LID AND HINGED INSPECTION PLATE, PRE-DRILLED W/ 1-3/4" HOLE FOR TOUCH-READ PAD, 2 1/2" MIN. FROM EDGE.
 3. WHERE TRAFFIC BEARING METER BOXES ARE USED WITHIN A CONCRETE SURFACE, A 5/8" INCH EXPANSION JOINT SHALL BE PROVIDED AROUND THE BOX WITH AN EIGHTEEN (18) INCH GAP BETWEEN THE EXPANSION JOINT AND METER BOX ON ALL SIDES.
 4. METER BOXES TO BE INSTALLED IN NON TRAFFIC AREAS. ALTERNATIVE LOCATIONS REQUIRE WRITTEN DISTRICT APPROVAL.

ITEM	QUANTITY	DESCRIPTION
A	1	2" ROMAC SADDLE IPT, STYLE #2025, DOUBLE STRAP
B	1	2" CORPORATION STOP MIP X MIP, W/ NUT ON TOP (FORD# FB500, MUELLER# B2996, A.Y. MCDONALD# 31318)
C	2	2" BRASS STREET ELBOW (SWING JOINT)
D	1	2" (RSV) GATE VALVE X FIP W/SQUARE OPERATING NUT
E	1	2" PACK JOINT W/STAINLESS STEEL STIFFENER X MIP (FORD# C86-77, MUELLER # E15929)
F	VARIOUS	DRISCOPLEX 5100 ULTRA LINE OR PW EAGLE, 2" HMIL POLY PIPE SDR-7 200 PSI
G	2	2" METER SETTER, FORD NO. VBH 87-12B-11-77 (ONLY) W/ BRASS STREET 90
H	1	2" IDLER SCH. 80 (J= 17") W/WASHERS
I	1	2" PVC PLUG, SCHEDULE 40/80
J	1	METER BOX - CARSON JMB0 #1730 W/PSL METER READING LID AND INSPECTION PLATE (MARKED FOR WATER) FOR NON TRAFFIC AREAS, WITH WRITTEN DISTRICT APPROVAL FOGTITE TYPE 2 (MARKED FOR WATER) W/ STEEL REINFORCED LID FOR TRAFFIC AREAS, PRE-DRILLED W/ 1-3/4" HOLE FOR TOUCH-READ PAD, 2 1/2" MIN. FROM EDGE.
K	1	2" TRACER WIRE - CARSON JMB0 #1730 W/PSL METER READING LID AND INSPECTION PLATE (MARKED FOR WATER) FOR NON TRAFFIC AREAS, WITH WRITTEN DISTRICT APPROVAL FOGTITE TYPE 2 (MARKED FOR WATER) W/ STEEL REINFORCED LID FOR TRAFFIC AREAS, PRE-DRILLED W/ 1-3/4" HOLE FOR TOUCH-READ PAD, 2 1/2" MIN. FROM EDGE.

- NOTE:** FOR ALL FITTINGS (EXCEPT SETTERS) THE FOLLOWING MANUFACTURERS ARE APPROVED FOR USE WITHIN THE DISTRICT. FORD, MUELLER AND A.Y. MCDONALD

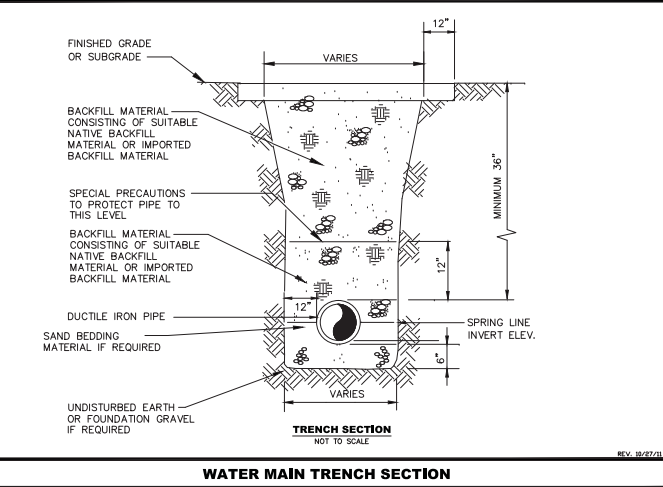


3/4" AND 1" METER SETTER DETAIL

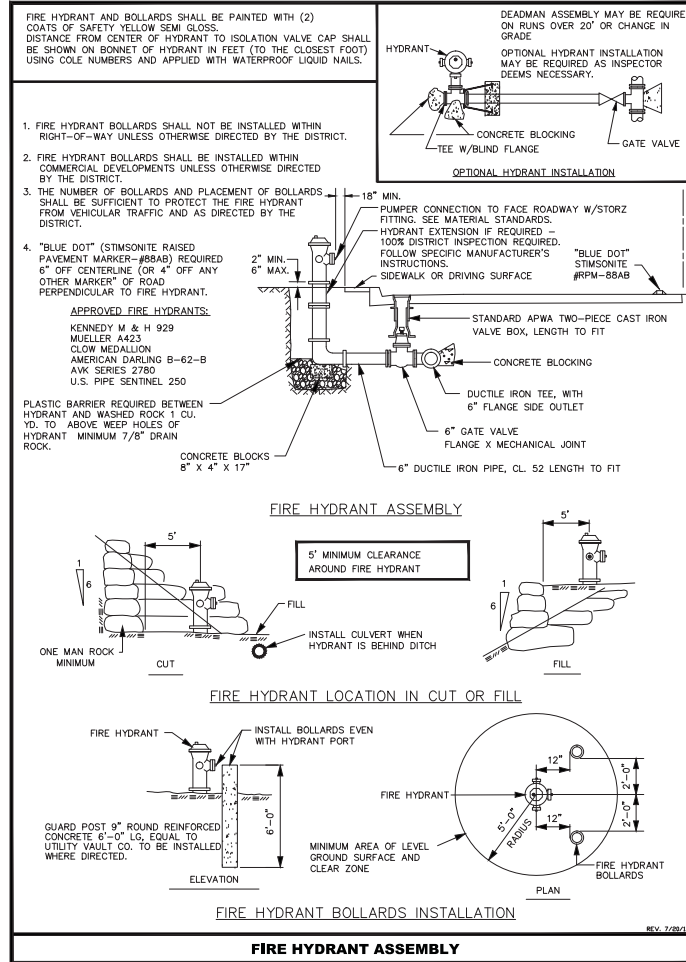


3" AND 4" METER DETAIL

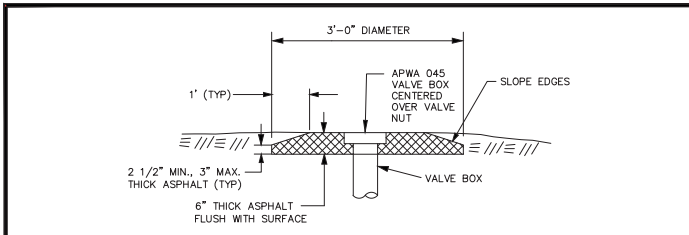
- CONSTRUCTION NOTES**
1. VAULT COVER SHALL MATCH EXISTING GRADE OR 6" ABOVE IN UNIMPROVED AREAS.
 2. PAINT SCHEDULE:
 - EXTERIOR OF VAULT: BELOW GRADE TWO COATS OF BLACK BITUMASTIC SOLUTION (VAULT SHOULD BE DRIED WITH NO MOISTURE PRESENT PRIOR TO APPLICATION OF COATINGS)
 - PAINT INTERIOR PIPING (NON BRASS): ONE (1) COAT RUST RESISTOR PRIMER TWO (2) COATS SAFETY BLUE SEMI GLOSS PAINT
 3. IF POSITIVE DRAINAGE FROM VAULT CANNOT BE ACHIEVED A SUMP PUMP SYSTEM WILL BE REQUIRED WITH DISTRICT APPROVAL. POWER SHALL BE SUPPLIED AND MAINTAINED BY THE DEVELOPER.
 4. FLEXIBLE FITTING WHEN ENTERING AND EXITING VAULT WITHIN 5 FEET OF VAULT. IF (M/J) BELL CONNECTION IS WITHIN 5 FEET OF THE VAULT, FITTING MAY BE OMITTED (2 PLACES TYPICAL).
 5. CORE DRILL 1-3/4" HOLE IN ONE OF THE HATCHES NEAR CENTER FOR INSTALLATION OF TOUCH PAD FOR A TOUCH READ METER.



WATER MAIN TRENCH SECTION



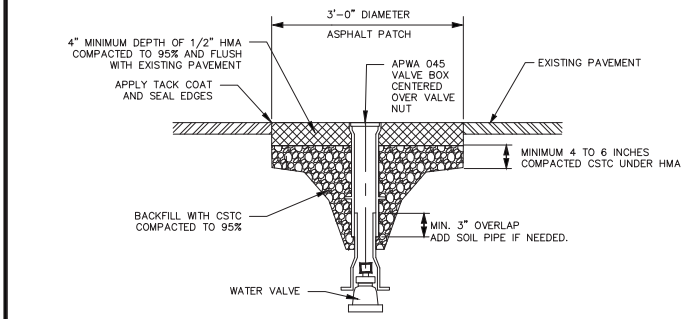
FIRE HYDRANT ASSEMBLY



- NOTES:
- THE COMPLETED PATCH SHALL BE FLUSH WITH THE SURROUNDING FINAL GRADE, SHALL NOT BE MORE THAN 1/8" FLUSH WITH THE SURROUNDING PAVEMENT, AND SHALL BE SMOOTH FOR TRAFFIC.
 - WHEN RAISING THE VALVE BOX TO FINISHED GRADE, EXCAVATE CASTING TO A DEPTH NECESSARY TO VERIFY CASTING OVERLAPS SOIL PIPE BY 3". ADD SOIL PIPE AS NEEDED. VALVE BOX SHALL BE CENTERED OVER THE VALVE NUT.
 - SLIP CANS ARE NOT ALLOWED WHEN RAISING VALVE BOXES TO GRADE.

REV. 6/28/04

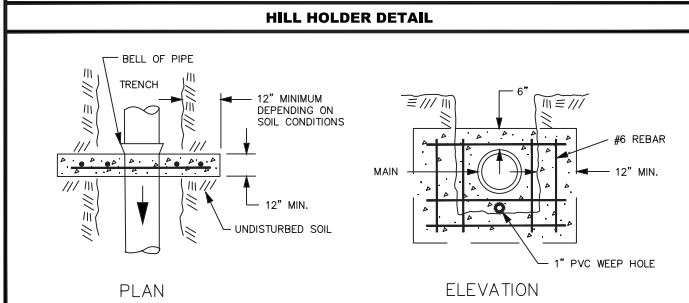
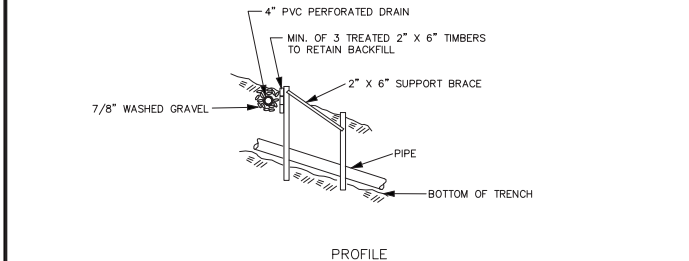
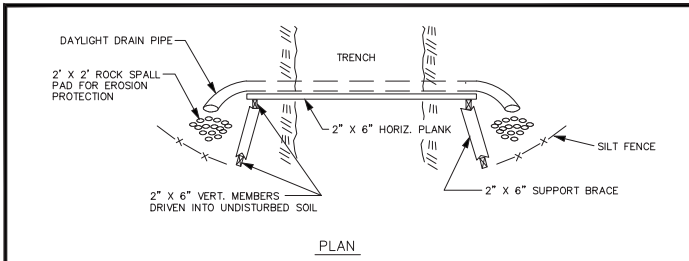
VALVE BOX ASPHALT COLLAR DETAIL FOR NON-PAVED AREAS



- NOTES:
- VALVE CANS SHALL BE RAISED TO GRADE AFTER PLACEMENT OF THE ASPHALT'S FINAL LIFT AND WITHIN 48 HOURS UNLESS OTHERWISE APPROVED BY THE DISTRICT.
 - NEATLY REMOVE ASPHALT AROUND EXISTING VALVE CASTING.
 - EXCAVATE VALVE CASTING TO A DEPTH NECESSARY TO RAISE CASTING AND VERIFY CASTING OVERLAPS SOIL PIPE BY 3". ADD SOIL PIPE AS NEEDED. VALVE BOX SHALL BE CENTERED OVER THE VALVE NUT.
 - SLIP CANS ARE NOT ALLOWED.
 - BACKFILL WITH CSTC COMPACTED TO 95% (MODIFIED PROCTOR).
 - INSTALL 1/2" HMA IN 2-INCH LIFTS, TO A COMPACTED DEPTH EQUAL TO THE EXISTING PAVEMENT OR A MINIMUM OF 4", WHICHEVER IS GREATER. TACK ALL EDGES AND SEAL FINISH JOINTS WITH TAR AND SAND.
 - THE COMPLETED PATCH SHALL BE FLUSH WITH THE SURROUNDING PAVEMENT, SHALL NOT VARY FROM BEING FLUSH BY MORE THAN 1/8", AND SHALL BE SMOOTH FOR TRAFFIC.

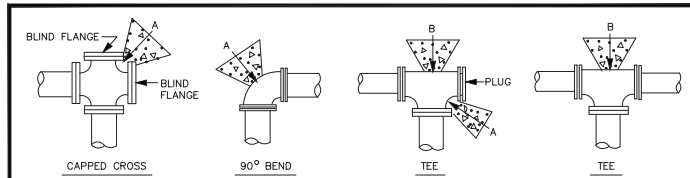
REV. 6/28/04

VALVE BOX PAVEMENT PATCH DETAIL FOR PAVED AREAS



REV. 6/28/04

PIPE ANCHOR DETAIL



THRUST BLOCK - TABLE
Min. Bearing Area Against Undisturbed Soil Square Feet

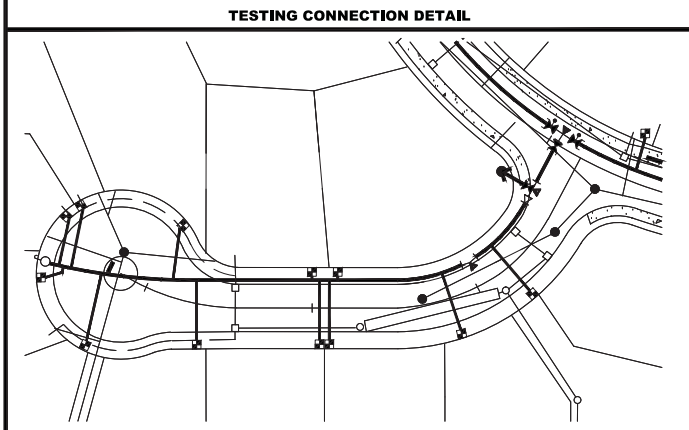
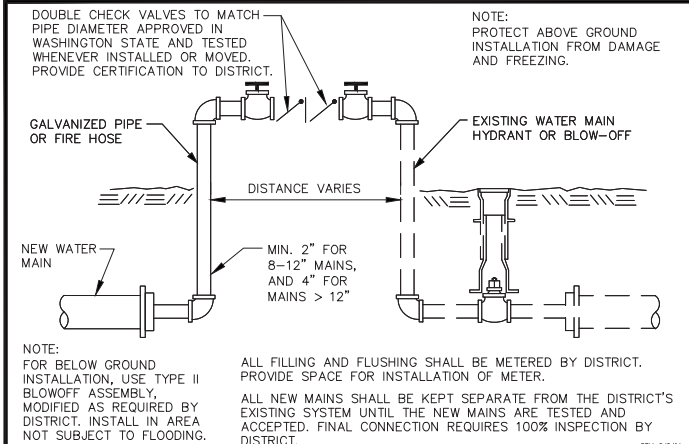
Pipe Size	A(ft. ²)	B(ft. ²)	C(ft. ²)	D(ft. ²)	E(ft. ²)	X
4"	3	1	1	1	1	none
6"	4	4	2	1	1	none
8"	7	6	4	2	1	4
10"	11	10	6	3	2	6
12"	16	14	9	5	3	9
14"	22	19	12	6	3	12
16"	29	25	16	8	4	16
18"	36	31	20	10	5	20
20"	45	39	24	13	6	24
22"	54	47	29	15	8	29
24"	64	56	35	18	9	35
28"	87	76	48	24	12	48
30"	101	87	55	28	14	55
36"	145	125	78	40	20	78
42"	197	171	107	55	27	107
48"	257	223	140	71	36	140

Notes:

- Bearing area of concrete thrust-block based on 200 psi pressure and safe soil bearing load of 2,000 pounds per square foot.
- Areas must be adjusted for other pipe sizes, pressures and soil conditions.
- Concrete blocking shall be cast-in-place and have a minimum of 1/4 square foot bearing against the fitting.
- Block shall bear against fittings only and shall be clear of joints to permit taking up or dismantling of joint.
- Contractor shall install blocking adequate to withstand full test pressure as well as to continuously withstand operation pressure under all conditions of service.

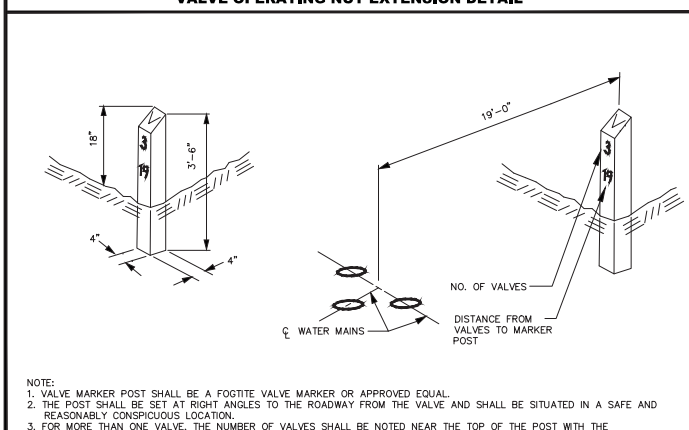
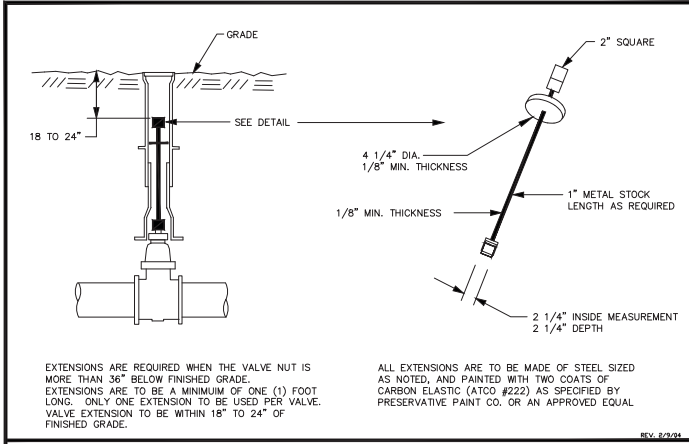
REV. 6/28/04

CONCRETE BLOCKING



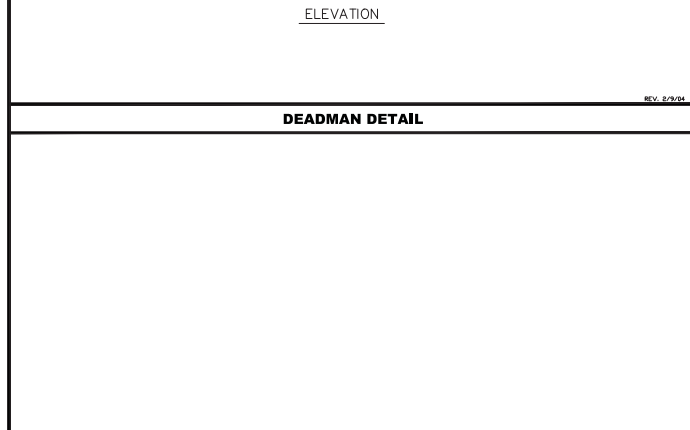
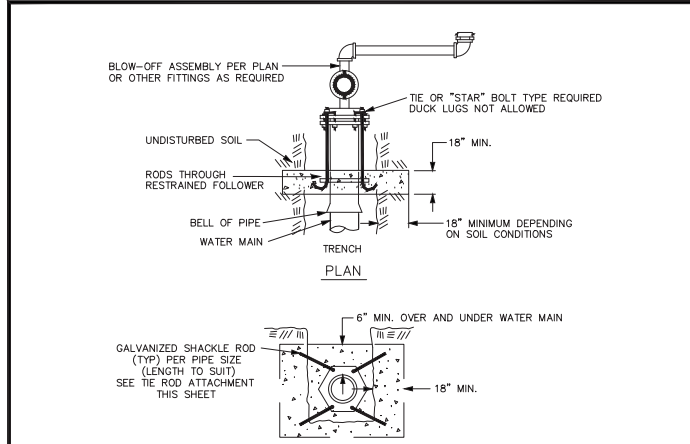
REV. 7/28/11

WATER ASBULT DETAIL



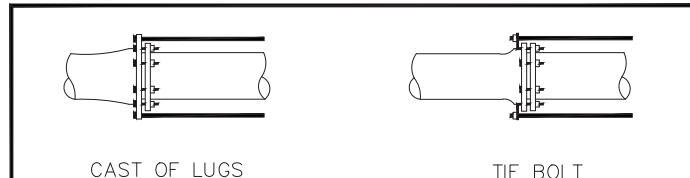
REV. 7/28/11

VALVE MARKER POST DETAIL



REV. 6/28/04

DEADMAN DETAIL

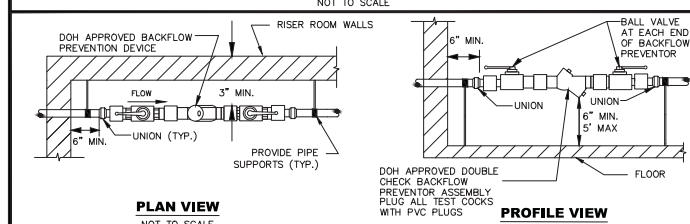
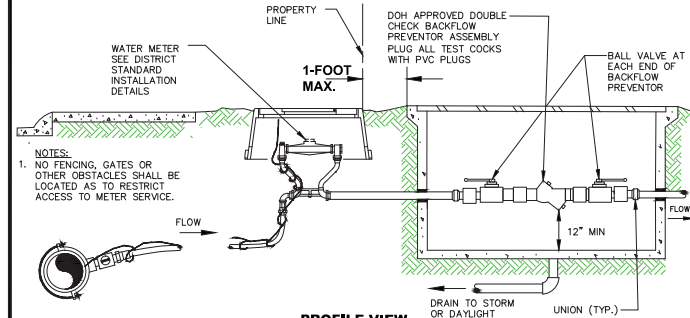
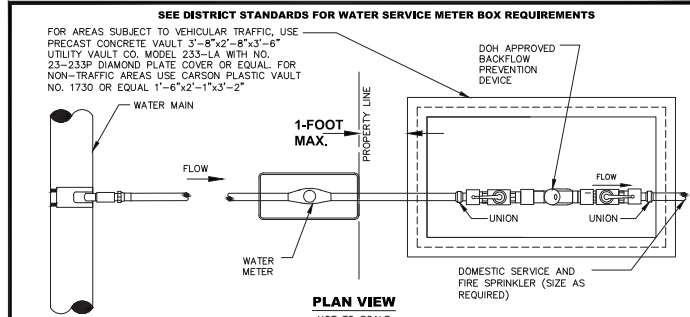


TIE ROD ATTACHMENTS

SIZE	PRESSURE PSI	FORCE IN POUNDS	NUMBER OF TIE RODS																
			2	3	4	6	8	10	12	14	16	24							
3"	300	2,120	3/8"																
4"	300	3,780	3/8"																
6"	300	8,500	5/8"	1/2"		3/8"													
8"	300	15,100	3/4"	5/8"	1/2"														
10"	275	21,620				3/4"	5/8"	1/2"											
12"	250	33,930							3/4"	5/8"									
14"	250	46,200									3/4"								
16"	225	45,250										3/4"	5/8"						
18"	200	50,900												3/4"	5/8"				
20"	200	62,840														3/4"	5/8"		
24"	200	90,480															3/4"	5/8"	
30"	200	141,370															1"	7/8"	
36"	200	203,580																1"	7/8"

REV. 6/28/04

TIE ROD ATTACHMENTS



REV. 07/27/09

ALTERNATE / ADDITIONAL DCVA IN RISER ROOM DETAIL

STANDARD FIRE SPRINKLER DCVA CONNECTION DETAIL

REVISIONS

NO.	DATE	DESCRIPTION

SAMMAMISH PLATEAU WATER AND SEWER DISTRICT
1510 228TH AVE. S.E. SAMMAMISH, WA. 98075
(425) 392-6256 FAX (425) 391-5389



STANDARD DETAILS
WATER DETAILS - SHT 2 OF 2

DATE: 12/9/2011
DRAWN: DESIGN REVIEW
CHECKED:
JOB NO.

SHEET
OF

