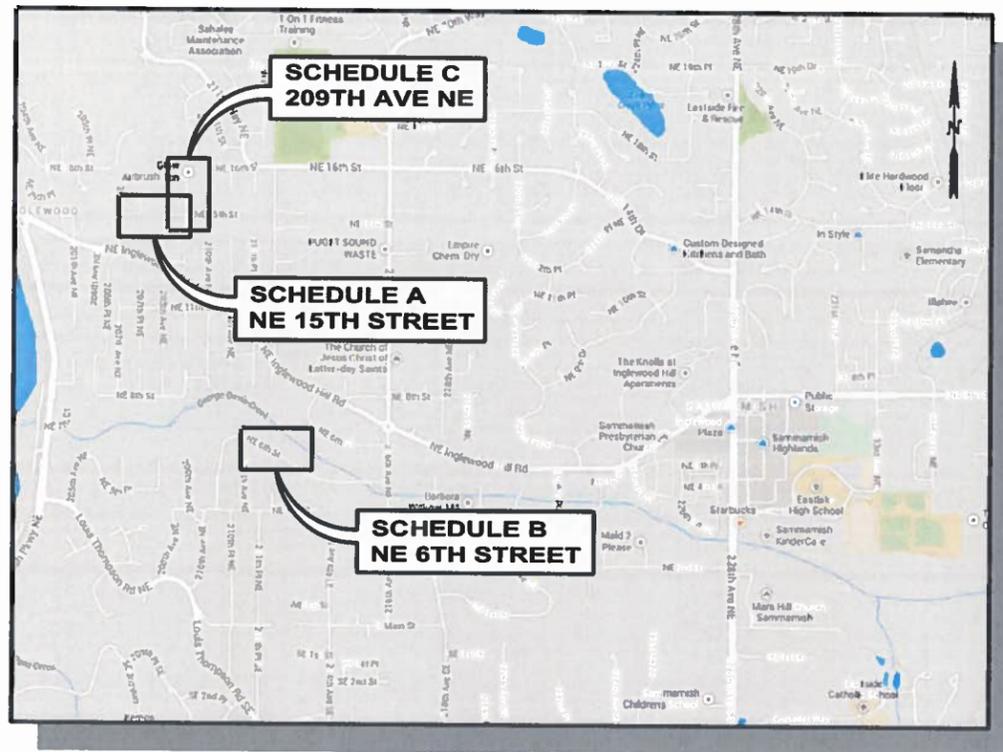


# CITY OF SAMMAMISH

## 2014 STORMWATER REPAIRS



VICINITY MAP  
1"=250'

**OWNER:**

CITY OF SAMMAMISH  
ERIC LAFRANCE, PE  
SENIOR STORMWATER PROGRAM  
ENGINEER  
801 220TH AVENUE SE  
SAMMAMISH, WA 98075  
(425) 295-0562

**MAYOR:**

TOM VANCE

**DEPUTY MAYOR:**

KATHLEEN HUCKABAY

**COUNCIL:**

DON GEREND  
NANCY WHITTEN  
TOM ODELL  
BOB KELLER  
RAMIRO VALDERRAMA-ARAMAYO

**CITY MANAGER:**

BEN YAZICI, PE

**DIRECTOR OF PUBLIC WORKS**

LAURA PHILPOT, PE

**CITY ENGINEER:**

JEFF BRAUNS, PE

**PROJECT ENGINEER:**

ERIC LAFRANCE, PE

**DRAWING LIST:**

SHT #	SHEET TITLE
1	COVER SHEET
2	NOTES, LEGEND & DETAILS
3	SCHEDULE A - NE 15TH ST PIPE REPLACEMENT PLAN & PROFILE
4	SCHEDULE B - NE 6TH ST TIGHTLINE REPLACEMENT PLAN & PROFILE
5	SCHEDULE B - NE 6TH ST RESTORATION PLAN
6	SCHEDULE B - NE 6TH ST DETAILS
7	SCHEDULE B - NE 6TH ST PIPE ANCHOR DETAILS
8	SCHEDULE C - 209TH AVE NE PAVEMENT REPAIR

RECOMMENDED FOR APPROVAL

*Eric LaFrance*  
PROJECT ENGINEER

APPROVED BY:

*Ben Yazici* CITY ENGINEER  
*Laura Philpot* PUBLIC WORKS DIRECTOR



SCALE BARS INDICATE SCALE OF FULL-SIZE (22 X 34 INCH) DRAWINGS. FOR REDUCED SIZE DRAWINGS ADJUST SCALE ACCORDINGLY.

FILE NAME: \\DCI-S2\DCI SHARED\Projects\10-130038 Sammamish Stormwater\3 CAD\Sheets\10-130038\_CVR.dwg  
USER: Richard  
PLOT DATE: 6/24/2014

NO.	DATE	BY	CHKD.	REVISION



ENGINEER: Osborn Consulting Inc.  
1800 - 112th Avenue NE, Suite 220E  
Bellevue, Washington 98004  
TEL: (425) 451 - 4009  
FAX: (425) 451 - 4901

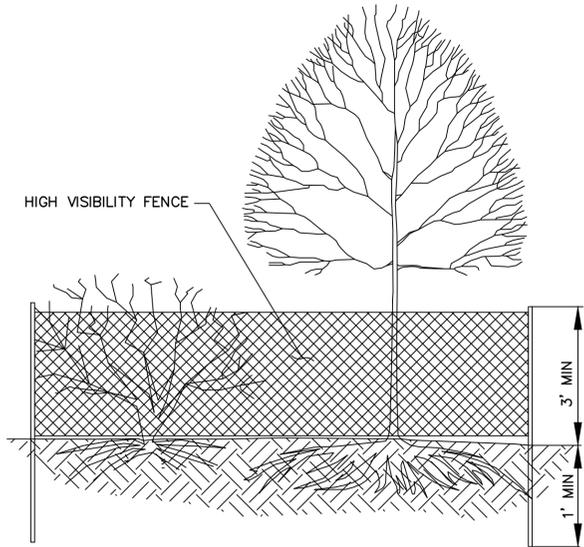
DESIGNED BY: JPW  
DRAWN BY: JPW  
CHECKED BY: LCR  
DATE: JUNE 2014

2014 STORMWATER REPAIRS  
SAMMAMISH WASHINGTON  
COVER SHEET

10-130038  
OCI PROJECT NO.  
1 SHEET OF 8

**GENERAL NOTES**

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF SAMMAMISH STANDARDS AND THE MOST CURRENT EDITION OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/ APWA) AND KING COUNTY ROAD STANDARDS (FOR DRAINAGE STRUCTURES AND APPURTENANCES).
- TEMPORARY EROSION/WATER POLLUTION MEASURES SHALL BE REQUIRED IN ACCORDANCE WITH THE KING COUNTY SURFACE WATER DESIGN MANUAL.
- COMPLY WITH ALL PERMITS AND OTHER REQUIREMENTS BY THE CITY OR OTHER GOVERNING AUTHORITY OR AGENCY.
- A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE CITY OF SAMMAMISH PUBLIC WORKS DEPARTMENT PRIOR TO THE START OF CONSTRUCTION.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INTERIM TRAFFIC CONTROL DURING CONSTRUCTION ON OR ALONG TRAVELED ROADWAYS. TRAFFIC CONTROL SHALL FOLLOW THE GUIDELINES OF THE WSDOT/APWA STANDARD SPECIFICATIONS. ALL BARRICADES, SIGNS AND FLAGGING SHALL CONFORM TO THE REQUIREMENTS OF THE MUTCD. SIGNS MUST BE LEGIBLE AND VISIBLE AND SHOULD BE REMOVED AT THE END OF EACH WORK DAY IF NOT APPLICABLE AFTER CONSTRUCTION HOURS. WHEN ROAD CLOSURES AND DETOURS CANNOT BE AVOIDED THE CONTRACTOR/DEVELOPER SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS. THE CITY MAY REQUIRE A DETOUR PLAN TO BE PREPARED, SUBMITTED AND APPROVED PRIOR TO CLOSING ANY PORTION OF A CITY ROADWAY.
- CALL UNDERGROUND LOCATE LINE, 811, MINIMUM 48 HOURS PRIOR TO ANY EXCAVATIONS.
- WHERE CONNECTIONS REQUIRE "FIELD VERIFICATIONS", CONNECTION POINTS WILL BE EXPOSED BY CONTRACTOR AND FITTINGS VERIFIED 48 HOURS PRIOR TO DISTRIBUTING SHUTDOWN NOTICES.
- TEMPORARY RESTORATION OF TRENCHES SHALL BE ACCOMPLISHED BY USING TWO-INCH CLASS B ASPHALT CONCRETE PAVEMENT WHEN AVAILABLE OR TWO-INCH MEDIUM-CURING (MC-250) LIQUID ASPHALT (COLD MIX), TWO-INCH ASPHALT TREATED BASE (ATB), OR STEEL PLATES. ATB USED FOR TEMPORARY RESTORATION MAY BE DUMPED DIRECTLY INTO THE TRENCH, BLADED AND ROLLED. AFTER ROLLING, THE TRENCH MUST BE FILLED FLUSH WITH ASPHALT CONCRETE PAVEMENT TO PROVIDE A SMOOTH RIDING SURFACE. ALL TEMPORARY PATCHES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS THE PERMANENT PAVEMENT PATCH IS IN PLACE. IF THE CONTRACTOR IS UNABLE TO MAINTAIN A PATCH FOR WHATEVER REASON, THE CITY WILL PATCH IT AND WILL CHARGE THE CONTRACTOR THE ACTUAL COST PLUS OVERHEAD AND MATERIALS.
- ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHOWN ON THIS DRAWING SHALL BE INSTALLED PRIOR TO OR AT THE FIRST STAGE OF SITE PREPARATION.
- SHOULD THE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THIS DRAWING NOT PROVE ADEQUATE TO CONTROL EROSION AND SEDIMENTATION, THE APPLICANT/CONTRACTOR SHALL INSTALL ADDITIONAL FACILITIES AS NECESSARY TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES AND/OR STORM DRAINAGE SYSTEMS.
- IN ANY AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 7 DAYS OR MORE, ALL DISTURBED AREAS MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION.
- THE NECESSARY FACILITIES SHALL BE MAINTAINED ON SITE TO PREVENT DEBRIS, DUST, AND MUD FROM IMPACTING PUBLIC FACILITIES AND OTHER PROPERTY OWNERS.
- ALL WORK ASSOCIATED WITH STABILIZING THE DISTURBED AREAS SHALL BE IN ACCORDANCE WITH SECTION 8-01 OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, UNLESS APPROVED OTHERWISE BY THE CITY.
- ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND BE PROPERLY MAINTAINED UNTIL THE DISTURBED AREAS HAVE BEEN STABILIZED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR FIELD LOCATING THE CLEARING LIMITS AND ESTABLISHING THOSE BOUNDARIES WITH BRIGHT COLORED FLAGGING. THE CONTRACTOR SHALL CLEAR TO THE LIMITS AS ESTABLISHED ON THIS PLAN AND FLAGGING IN THE FIELD.
- THE CITY SHALL BE RESPONSIBLE FOR THE INSPECTION AND ACCEPTANCE OF ALL CLEARING AND GRADING WORK AND EROSION AND SEDIMENTATION CONTROL FACILITIES. THE APPLICANT SHALL NOTIFY THE CITY 48 HOURS IN ADVANCE OF EACH REQUIRED INSPECTION.
  - INSPECTION NO. 1 - INSTALLATION OF EROSION CONTROL FACILITIES/PRIOR TO CLEARING.
  - INSPECTION NO. 2 - COMPLETION OF CLEARING.
  - INSPECTION NO. 3 - UPON COMPLETION OF EXCAVATION, FILLING, AND EARTHWORK.
  - INSPECTION NO. 4 - COMPLETION OF PROJECT.
  - INSPECTION NO. 5 - WORK IN CITY RIGHT-OF- WAY.
- INSPECTION OF THE STORM DRAINAGE SYSTEM MUST BE CALLED FOR BEFORE ANY BACKFILL IS PLACED FOR THE STORM DRAIN SYSTEM.



**NOTES:**

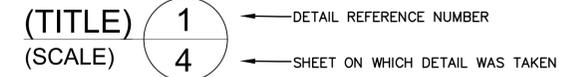
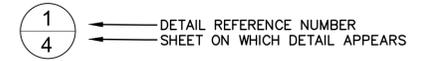
- INSTALL TREE/SHRUB PROTECTION AT THE LOCATIONS SHOWN ON PLANS.
- 3' HIGH TEMPORARY HIGH VISIBILITY FENCE SHALL BE PLACED AS DIRECTED BY THE ENGINEER. FENCE SHALL COMPLETELY ENCIRCLE TREE(S)/SHRUB(S). AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS.
- TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER 1" IN DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN, STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOIL AS SOON AS POSSIBLE.
- WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMIT OF THE FENCING.

**TREE/SHRUB PROTECTION DETAIL**

NOT TO SCALE

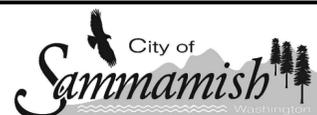


**DETAIL REFERENCING**



PLOTTING DATE: 6/18/2014 USER: Richard FILE NAME: \\OCI-52\OCI\_SHARED\Projects\10-130038 Sammamish Stormwater\3 CAD\Sheets\10-130038\_C1.dwg

NO.	DATE	BY	CHKD.	REVISION



ENGINEER: Osborn Consulting Inc.  
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 FAX: (425) 451 - 4901

DESIGNED BY: JPW  
 DRAWN BY: JPW  
 CHECKED BY: LCR  
 DATE: JUNE 2014

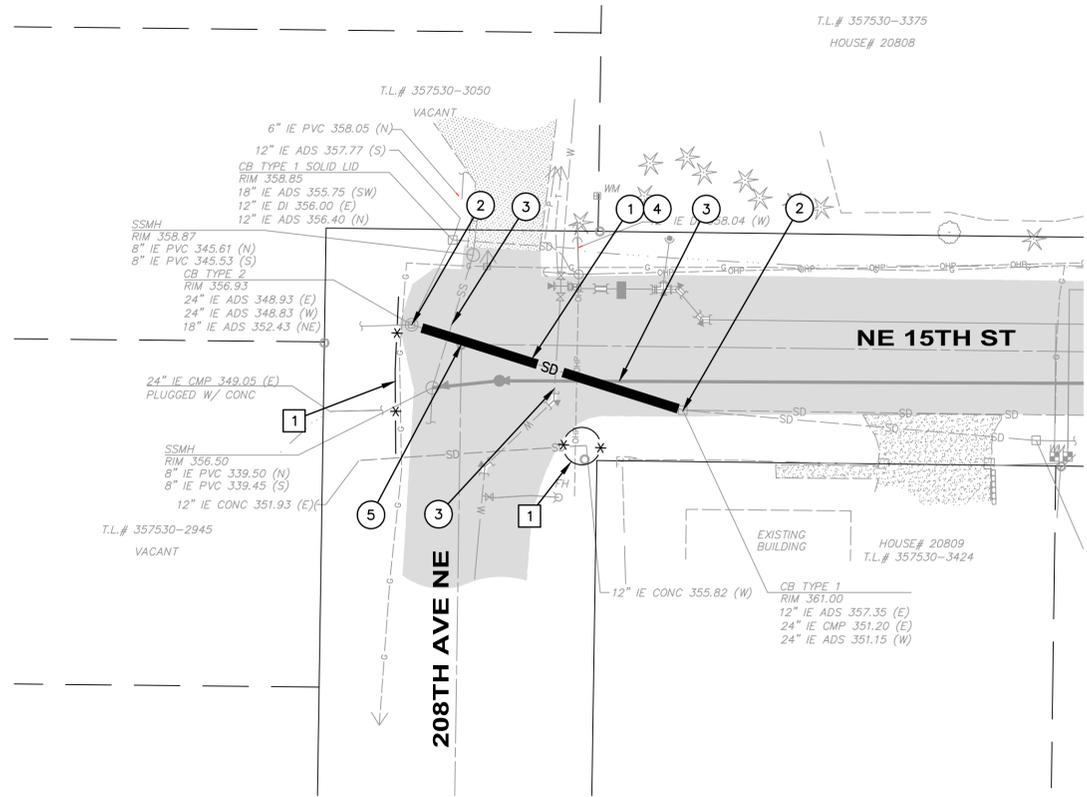
**2014 STORMWATER REPAIRS**  
 SAMMAMISH WASHINGTON  
 NOTES, LEGEND & DETAILS

10-130038  
 OCI PROJECT NO.  
 2 SHEET 8 OF

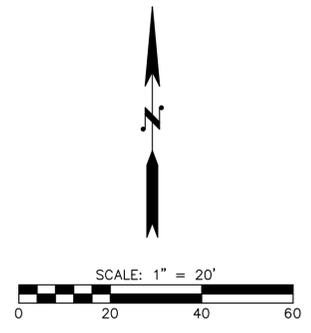


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SCALE BARS INDICATE SCALE OF FULL-SIZE (22 X 34 INCH) DRAWINGS. FOR REDUCED SIZE DRAWINGS ADJUST SCALE ACCORDINGLY.



PLAN



**## CONSTRUCTION NOTES:**

1. REMOVE EXISTING STORM SEWER PIPE AND INSTALL NEW STORM SEWER PIPE 24-IN. DIAM.
2. CONNECT TO EXISTING DRAINAGE STRUCTURE.
3. PROTECT EXISTING UTILITY DURING CONSTRUCTION.
4. TRENCHING AND PATCHING PER CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS FIG02-08 EXCEPT THAT ALL REFERENCES TO CLASS B ACP SHALL BE REPLACED WITH HMA CL 1/2 IN. PG 64-22.
5. REFERENCE AND RESET MONUMENT TO MATCH EXISTING LOCATION PER CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS FIG02-21 & 22 AND PER DNR PERMIT. SEE SPEC SECTIONS 2-02 AND 8-13.

**## TESC NOTES:**

5. INSTALL STRAW WATTLES PER WSDOT STANDARD PLAN I-30.30-01.

**UTILITY CONFLICT NOTE:**

**CAUTION:**

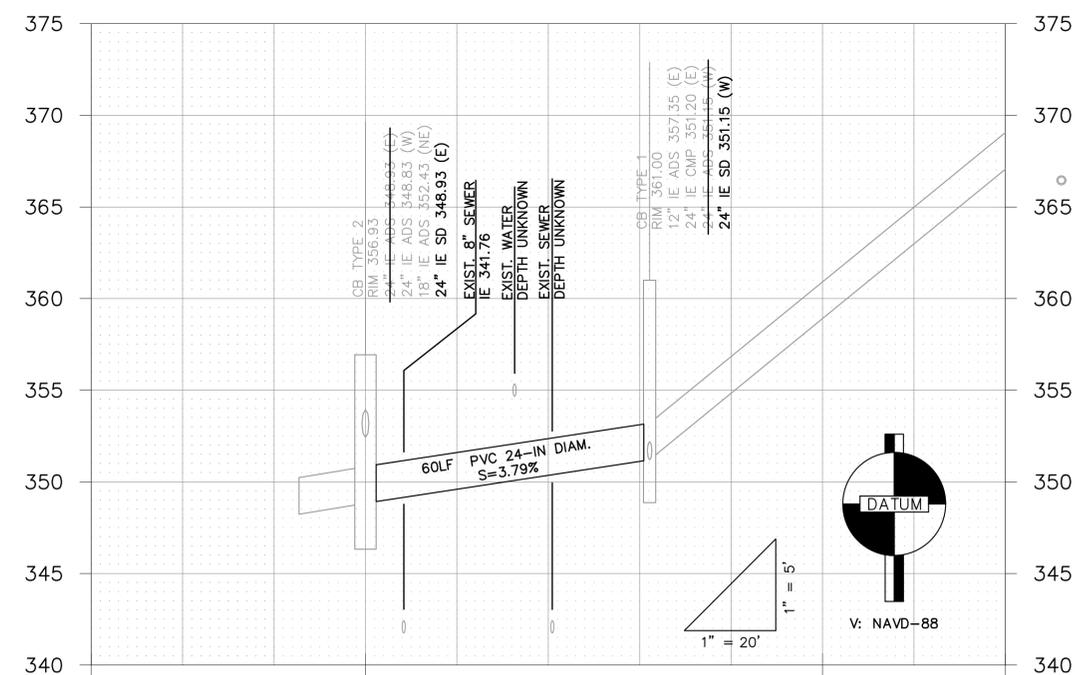
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT THE ENGINEER TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION. WORK TO RESOLVE UTILITY CONFLICTS SHALL BE CONSIDERED A MINOR CHANGE.

**DATUM/BASIS OF BEARINGS:**

BACKGROUND INFORMATION SHOWN ON THIS PLAN ARE FROM THE FOLLOWING SOURCE:  
 • CITY OF SAMMAMISH PROVIDED SURVEY FOR NE 15TH STREET FROM THE NE 15TH STREET & 210TH AVENUE NE WATER AND SEWER MAIN PROJECT (SAMMAMISH PLATEAU WATER AND SEWER DISTRICT).

**LEGEND**

* STRAW WATTLE	○ AIR/VAC RELEASE VALVE
SD PROP. STORM DRAIN LINE	○ BLOW OFF
ADJACENT PLAT/PARCEL LINE	⊠ IRRIGATION METER
ADJACENT RIGHT-OF-WAY/LOTS	⊠ IRRIGATION VALVE
SURFACE FEATURES	⊠ WATER WELL
EASEMENT	⊠ HOSE BIB
CENTERLINE	⊠ POWER POLE
10' CONTOURS	⊠ GUY ANCHOR
2' CONTOURS	⊠ STREET LIGHT
SD STORM DRAIN PIPE	⊠ POLE LIGHT
SS SEWER MAIN	⊠ POWER VAULT
FM SEWER FORCE MAIN	⊠ TRANSFORMER
W WATER MAIN	⊠ POWER METER
OHP AERIAL POWER LINE	⊠ JUNCTION BOX
P BURIED POWER LINE	⊠ GAS METER
G GAS MAIN	⊠ GAS VALVE
TV BURIED TV/CABLE	⊠ TV RISER
OTV AERIAL TV/CABLE	⊠ TELEPHONE VAULT
T BURIED TELEPHONE LINE	⊠ TELEPHONE RISER
OHT AERIAL TELEPHONE LINE	⊠ TRAFFIC SIGNAL
FO BURIED FIBER OPTIC CABLE	⊠ MAIL BOX
X WIRE FENCE	⊠ SIGN
0 CHAINLINK FENCE	
BOARD FENCE	
DITCH OR SWALE	
RAILROAD	
RETAINING WALL	
ROCKERY	
□ CATCH BASIN, TYPE I	▨ TRENCH REPAIR
⊠ CATCH BASIN, TYPE II	▨ PROPOSED HMA
○ SD PIPE FLOW	▨ ASPHALT
○ YARD DRAIN	▨ CONCRETE
○ STORM CLEANOUT	▨ GRAVEL
⊠ STORM DRAIN STUB	
○ SEWER MANHOLE	
○ SEWER CLEANOUT	
○ SS PIPE FLOW	
⊠ SEWER STUB	
⊠ FIRE HYDRANT	
⊠ WATER METER	
⊠ GATE VALVE	
⊠ WATER MANHOLE	



PROFILE

PLOTTING DATE: 6/23/2014 USER: Richard FILE NAME: \\OCI-62\OCI\_SHARED\Projects\10-130038\_Sammamish\_Stormwater\3 CAD\Sheets\10-130038\_DR.dwg

NO.	DATE	BY	CKD.	REVISION

ENGINEER: Osborn Consulting Inc.  
 1800 - 112th Avenue NE, Suite 220E  
 Bellevue, Washington 98004  
 TEL: (425) 451 - 4009  
 FAX: (425) 451 - 4901

DESIGNED BY: JPW  
 DRAWN BY: JPW  
 CHECKED BY: LCR  
 DATE: JUNE 2014

**2014 STORMWATER REPAIRS**  
 SAMMAMISH WASHINGTON  
 SCHEDULE A - NE 15TH ST PIPE REPLACEMENT  
 PLAN & PROFILE

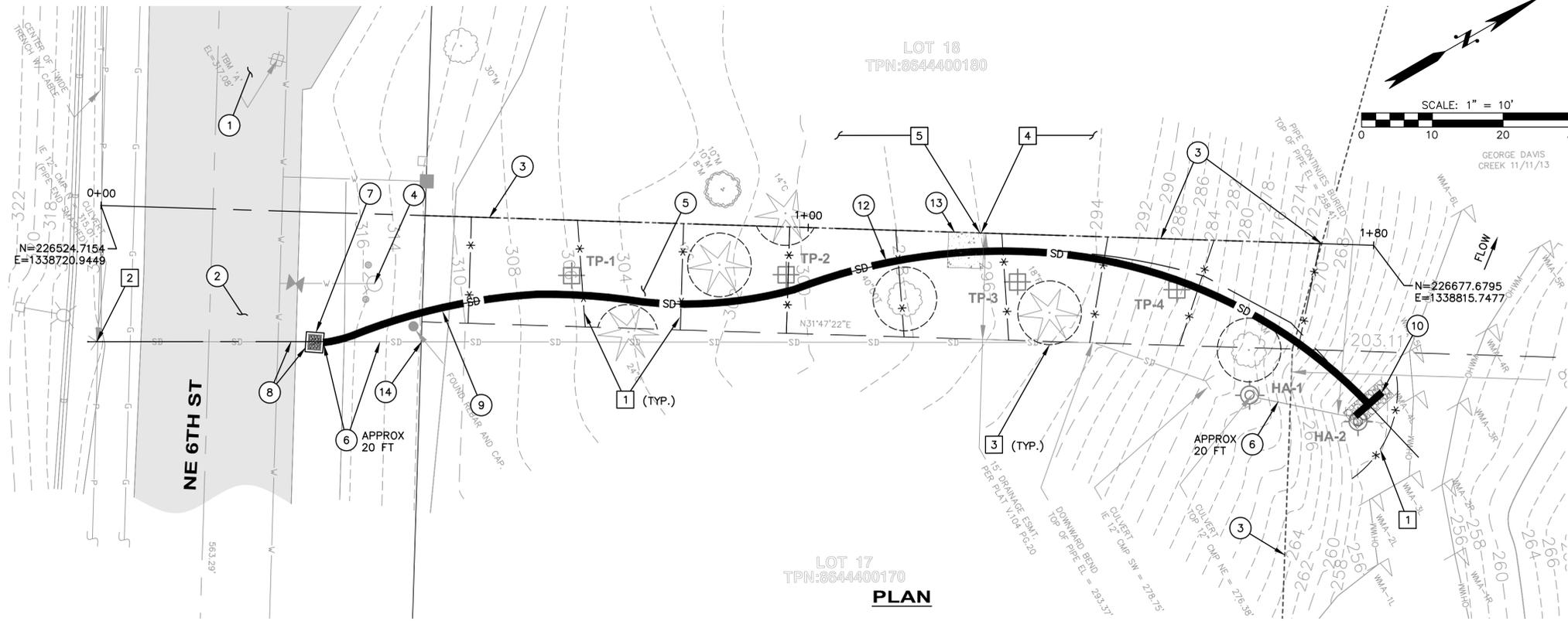
10-130038  
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 SHEET OF

SCALE BARS INDICATE SCALE OF FULL-SIZE (22 X 34 INCH) DRAWINGS. FOR REDUCED SIZE DRAWINGS ADJUST SCALE ACCORDINGLY.

LOT 18  
TPN:8644400180

LOT 17  
TPN:8644400170

**PLAN**



**LEGEND**

- TEMPORARY BENCHMARK
- STREET LIGHT
- TELECOMMUNICATIONS RISER
- CULVERT
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- BOLLARD
- OHWM FLAG
- SET BENCHMARK
- CEDAR
- FIR
- MAPLE
- PROP. STORM DRAIN LINE
- PROPERTY LINE
- RIGHT-OF-WAY
- STRAW WATTLE
- TEST PIT LOCATIONS
- HAND AUGER LOCATION
- SANITARY SEWER LINE
- TELECOMMUNICATIONS LINE
- POWER LINE
- GAS LINE
- STORM DRAIN LINE
- EASEMENT
- ORDINARY HIGH WATER MARK
- WATER LINE
- ASPHALT PAVING

**SURVEYOR:**

AXIS SURVEY AND MAPPING  
13005 NE 126TH PL  
KIRKLAND, WA 98034  
(425) 823-5700

**DATUM/BASIS OF BEARINGS:**

HORIZONTAL DATUM: NAD 83/91 WA STATE PLANE  
NORTH ZONE.  
BASIS OF POSITION: KING COUNTY CONTROL POINT ID  
1203 AS PUBLISHED IN WCCS SURVEY CONTROL  
DATABASE.

ORIGINATING BENCHMARK:  
KING COUNTY POINT 1203, PUNCH IN 1/2" BRASS NAIL  
IN 4"x4" CONCRETE MONUMENT DOWN 0.8' IN CASE, AS  
PUBLISHED IN WCCS SURVEY CONTROL DATABASE.  
VERTICAL DATUM: NAVD 88  
ELEVATION: 111.135'

**CONSTRUCTION NOTES:**

1. CONTRACTOR SHALL NOT BLOCK DRIVEWAYS.
2. TEMPORARY CONSTRUCTION ACCESS. CONTRACTOR TO COORDINATE AND PROVIDE TRAFFIC CONTROL FOR STAGING AND CONSTRUCTION OPERATIONS IN THE ROW AND ENSURE NO SEDIMENT TRACKOUT ON TO ROADWAY. AT CONCLUSION OF THE PROJECT, CONTRACTOR TO PROVIDE RESTORATION OF ANY FACILITIES DAMAGED BY CONSTRUCTION ACTIVITIES.
3. CONTRACTOR SHALL SURVEY AND STAKE THE LIMITS OF THE EXISTING 15 FT DRAINAGE EASEMENT AND SOUTH SIDE OF FLOOD RESERVE DRAINAGE EASEMENT. LIMITS SHALL BE STAKED AND FLAGGED EVERY 50-FEET.
4. PROTECT EXISTING UTILITY DURING CONSTRUCTION.
5. CLEAR AND GRUB ALONG PROPOSED PIPE ALIGNMENT TO CREATE A SMOOTH PIPE BED. SALVAGED SHRUBS/FERNS FROM WITHIN THE LIMITS OF DISTURBANCE MAY BE USED FOR SITE RESTORATION (REQUIRES ENGINEER'S APPROVAL PRIOR TO PLANTING).
6. REMOVE AND DISPOSE EXISTING 12-IN CMP STORM SEWER PIPE WITHIN EXISTING EASEMENT AND RIGHT-OF-WAY.
7. INSTALL CATCH BASIN TYPE 1 PER WSDOT STANDARD PLAN B-5.20-01.
8. CONNECT EXISTING PIPE TO NEW CATCH BASIN STRUCTURE.
9. INSTALL 170 LF 12-IN HDPE PIPE AT 10.0% UNTIL THE PIPE DAYLIGHTS THEN INSTALL AT GRADE.
10. INSTALL 5 FT X 1 FT DIAM. HDPE DIFFUSER TEE PER DETAIL (1/6) AND 7 FT X 3 FT QUARRY SPALL PAD PER DETAIL (2/6)
11. TRENCHING AND PATCHING WITH CRUSHED SURFACING TOP COURSE (CSTC) PER CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS FIG02-08.
12. 12-IN HDPE, SDR 26, BUTT FUSION WELDED CONNECTIONS.
13. INSTALL 5 FT X 5 FT X 5 FT PIPE ANCHOR PER DETAIL (1/7)
14. PLUG EXISTING PIPE AT EDGE OF RIGHT-OF-WAY. CCTV INSPECTION REQUIRED FOR PORTION TO REMAIN PRIOR TO PLUGGING.

**TESC NOTES:**

1. PRIOR TO START OF CONSTRUCTION, INSTALL STRAW WATTLE PER WSDOT STD PLAN I-30.30-01 (TYP.). ADJUST WATTLES DURING CONSTRUCTION TO ALLOW REMOVAL AND INSTALLATION OF PIPE.
2. PROVIDE TEMPORARY STORM WATER BYPASS PER SECTION 8-01.3(1)C DURING CONSTRUCTION. BYPASS OUTFALL SHALL BE LOCATED ABOVE OHWM.
3. INSTALL HVF FENCE PER TREE/SHRUB PROTECTION DETAIL PER DETAIL (2/1)
4. INSTALL BIODEGRADABLE EROSION CONTROL BLANKET OVER ALL DISTURBED AREAS ELEVATION 296 AND LOWER PER KING COUNTY SURFACE WATER DESIGN MANUAL FIGURE D.3.2.C.
5. INSTALL WOOD CHIP MULCH 4-IN. THICK OVER ALL DISTURBED AREAS ELEVATION 296 AND ABOVE.

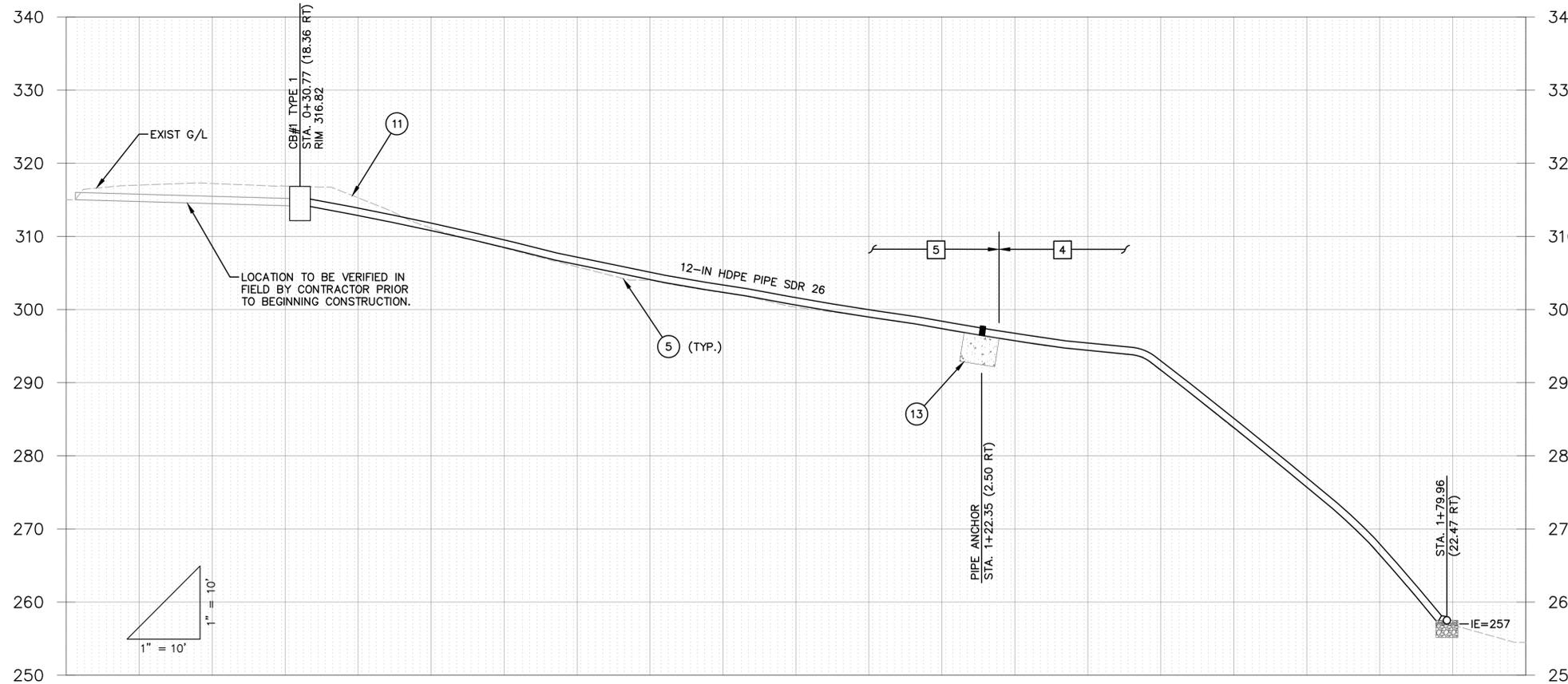
**CAUTION:  
UTILITY CONFLICT NOTE:**

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Call before you dig.

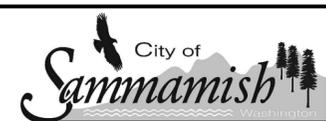
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**PROFILE**

PLOTTING DATE: 6/23/2014  
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 FILE NAME: \\001-62\001 SHARED\Projects\10-130038 Sammamish Stormwater\3 CAD\Sheets\10-130038\_DR.dwg

NO.	DATE	BY	CKD.	REVISION

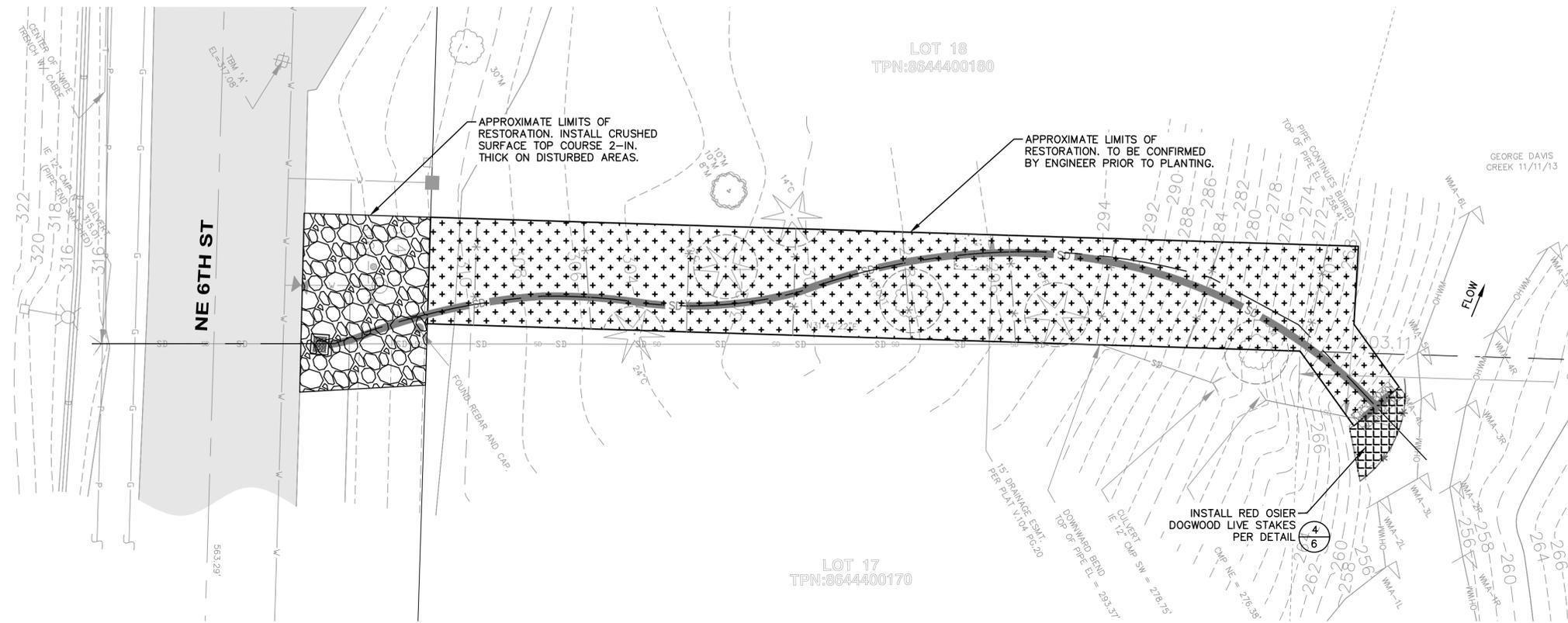


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TEL: (425) 451 - 4009  
FAX: (425) 451 - 4901

DESIGNED BY: JPW  
DRAWN BY: JPW  
CHECKED BY: LCR  
DATE: JUNE 2014

**2014 STORMWATER REPAIRS**  
**SAMMAMISH WASHINGTON**  
**SCHEDULE B - NE 6TH ST TIGHTLINE**  
**REPLACEMENT PLAN & PROFILE**

10-130038  
OCI PROJECT NO.  
4 SHEET  
8 OF

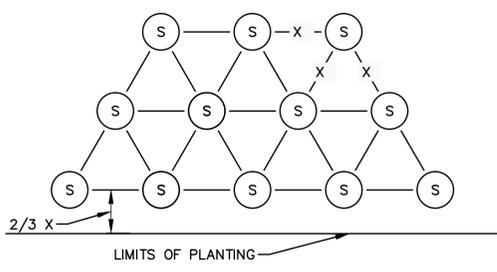


**LEGEND**

	STREET LIGHT
	TELECOMMUNICATIONS RISER
	CULVERT
	FIRE HYDRANT
	WATER METER
	WATER VALVE
	BOLLARD
	OHWM FLAG
	SET BENCHMARK
	CEDAR
	FIR
	MAPLE
	SS SANITARY SEWER LINE
	T TELECOMMUNICATIONS LINE
	P POWER LINE
	G GAS LINE
	SD STORM DRAIN LINE
	EASEMENT
	OHWM ORDINARY HIGH WATER MARK
	W WATER LINE
	ASPHALT PAVING
	BUILDINGS
	CRUSHED SURFACING TOP COURSE

**PLAN**

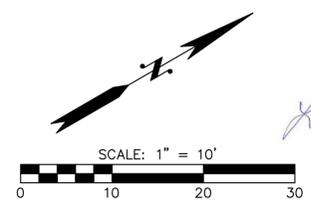
HATCH	PLANT SCHEDULE-NE 6TH STREET				
	COMMON NAME	SCIENTIFIC NAME	QTY	SIZE	SPACING O. C. (FT)
	CONTAINERS				
	SWORD FERN	POLYSTICHUM MUNITUM	35	1 GAL	5
	BEAKED HAZELNUT	CORYLUS CORNUTA	25	1 GAL	5
	RED ELDERBERRY	SAMBUCUS RACEMOSA	25	1 GAL	5
	LIVE STAKE				
	RED OSIER DOGWOOD	CORNUS SERICEA	60	-	1



**TYPICAL PLANT SPACING**

- X = PLANT SPACING (SEE PLANT SCHEDULE)
  - S = SHRUB
- NOTE: GROUP LIKE SHRUBS IN GROUPS OF 3 TO 5.

**UTILITY CONFLICT NOTE:**  
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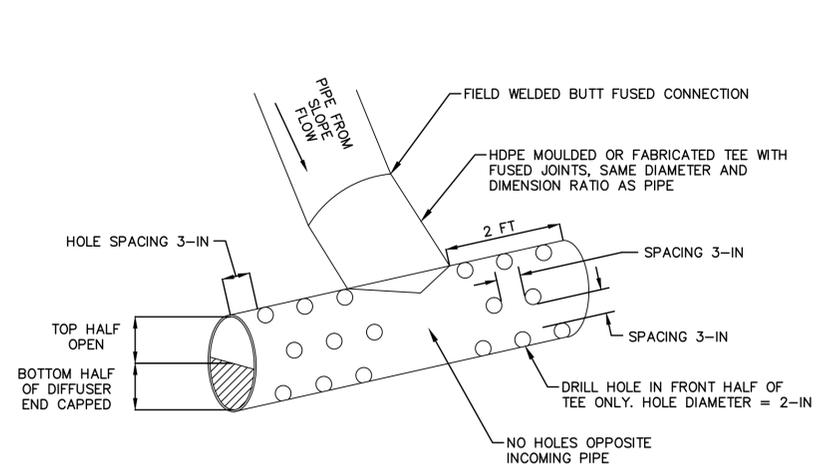
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 CHECKED BY: LCR  
 DATE: JUNE 2014

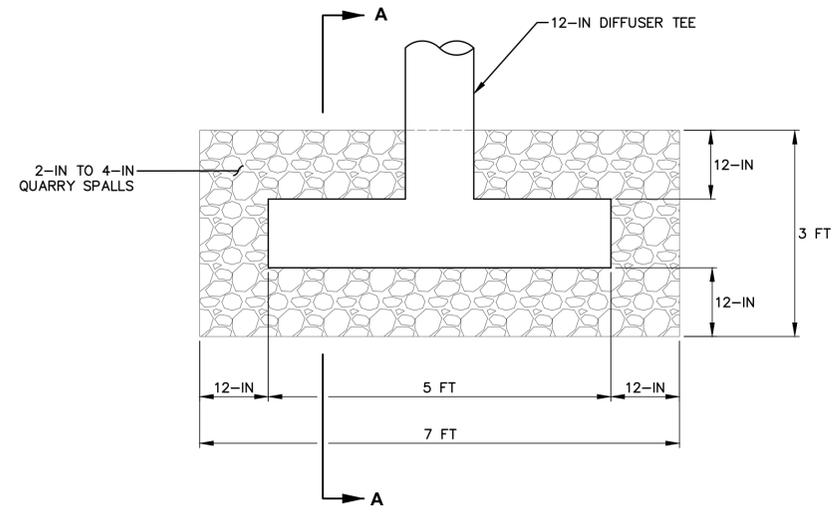
**2014 STORMWATER REPAIRS**  
 SAMMAMISH WASHINGTON  
 SCHEDULE B - NE 6TH ST RESTORATION PLAN

10-130038  
 OCI PROJECT NO.  
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 SHEET OF

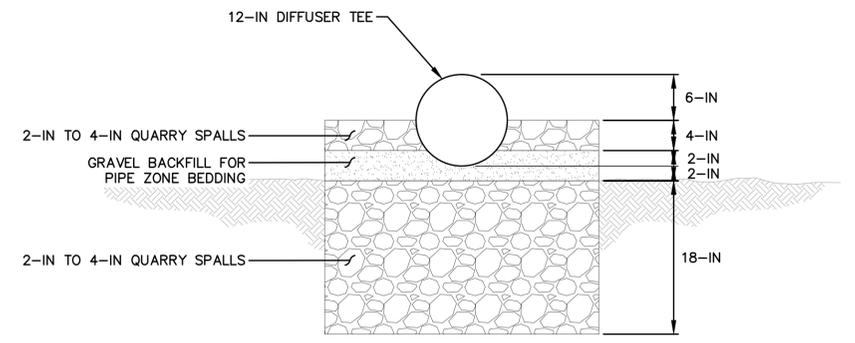
PLOTTING DATE: 6/18/2014 USER: Richard FILE NAME: \\OCI-62\OCI\_SHARED\Projects\10-130038 Sammamish Stormwater\3 CAD\Sheets\10-130038\_DET.dwg



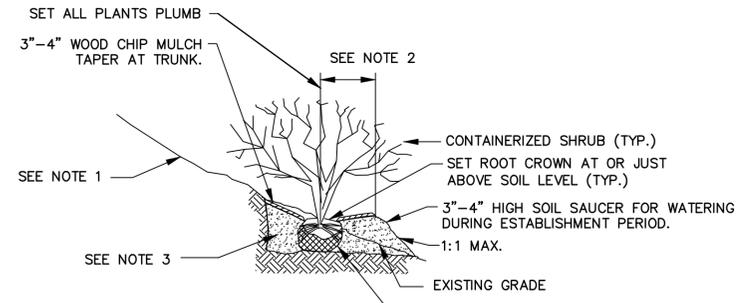
**DIFFUSER TEE DETAIL** 1  
4  
N.T.S.



**QUARRY SPALL PAD DETAIL** 2  
4  
N.T.S.

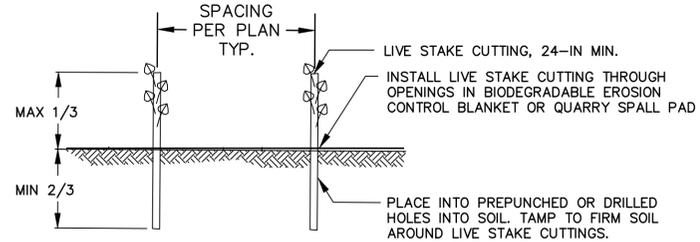


**SECTION A-A**



- NOTES:**
- SLOPES STEEPER THAN 2:1 MAY REQUIRE AN APPROVED EMBANKMENT STABILIZED SYSTEM TO CREATE A LEVEL TREE PIT SUCH AS:
    - ROCK FACING
    - PRECAST CONCRETE WALL UNITS
    - TIMBER WALL
    - MANUFACTURED SLOPE RETENTION UNITS
  - SHAPE SOIL TO PROVIDE 3' DIAMETER OR ROOTBALL DIAMETER, WHICHEVER IS GREATER, WATERING RING.
  - BACKFILL WITH MIXTURE OF 75% NATIVE SOIL AND 25% DECOMPOSED ORGANIC MULCH OR AMENDMENTS PER CONTRACT.

**SHRUB PLANTING ON SLOPE** 3  
5  
N.T.S.



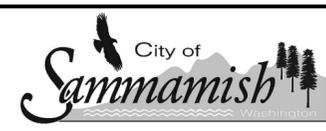
**LIVE STAKE INSTALLATION DETAIL** 4  
5  
N.T.S.

- CONSTRUCTION SEQUENCING:**  
CONTRACTOR MAY SUBMIT AN ALTERNATIVE SEQUENCING PLAN IN WRITING TO THE ENGINEER FOR APPROVAL.
- PREPARE STORM WATER BYPASS PLAN FOR REVIEW AND APPROVAL. INSTALL STORM WATER BYPASS.
  - STAKE AND FLAG EASEMENT AREAS.
  - STAKE CLEARING LIMITS.
  - INSTALL WATTLES.
  - CLEAR AND GRUB AND REMOVE STRUCTURES AND OBSTRUCTIONS.
  - STABILIZE SITE WITH BIODEGRADABLE EROSION CONTROL BLANKET. ADJUST WATTLES AS NEEDED.
  - INSTALL HDPE PIPE AND ANCHOR IN PLACE.
  - STABILIZE SITE WITH WOOD CHIP MULCH. ADJUST WATTLES AS NEEDED.
  - DECOMMISSION STORM WATER BYPASS.
  - PLANT INSTALLATION.
  - REMOVE TEMPORARY BMPs.

Know what's below.  
Call before you dig.

SCALE BARS INDICATE SCALE OF FULL-SIZE (22 X 34 INCH) DRAWINGS. FOR REDUCED SIZE DRAWINGS ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	CKD.	REVISION



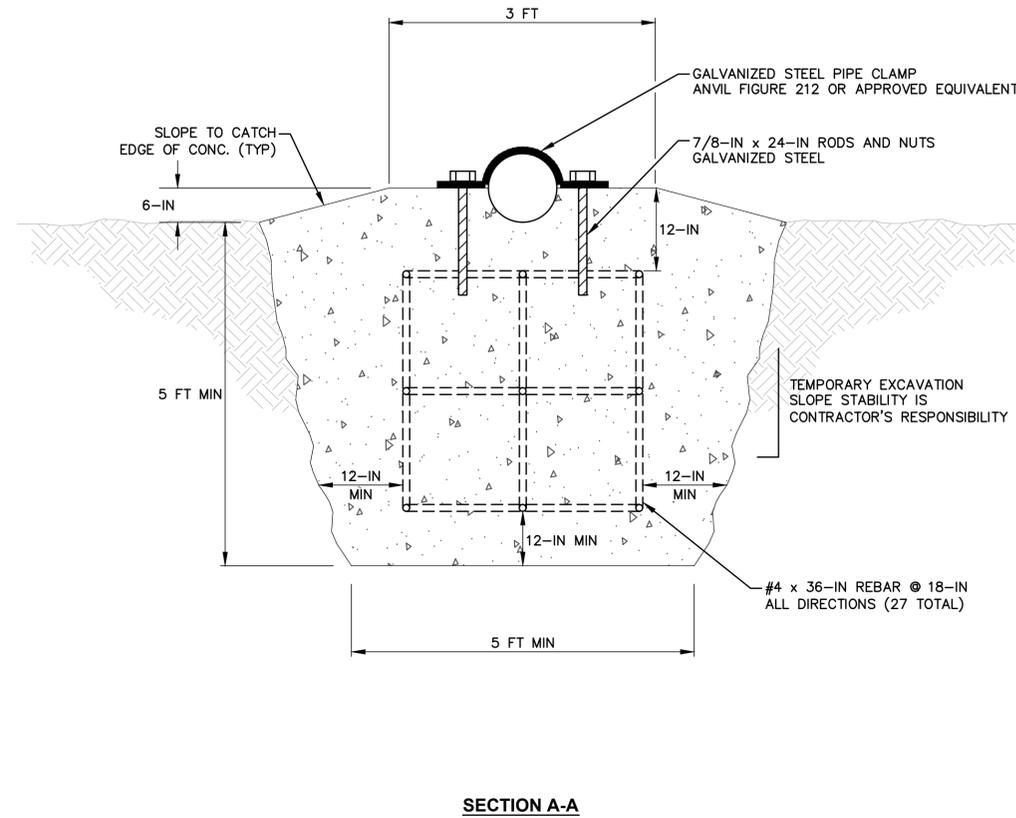
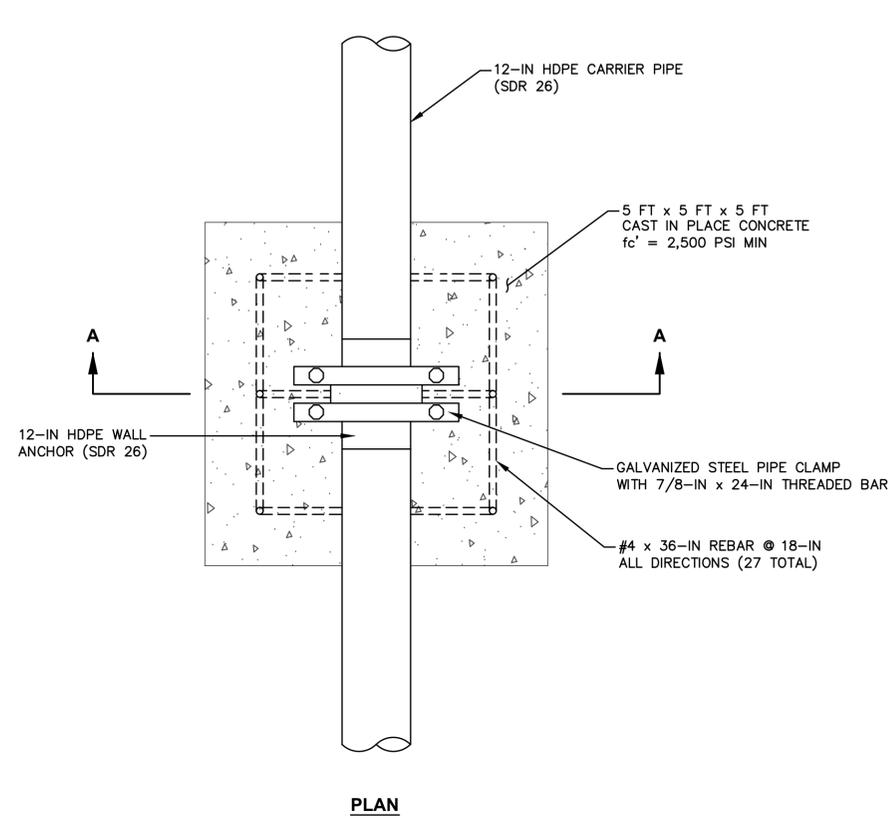
**ENGINEER:** Osborn Consulting Inc.  
1800 - 112th Avenue NE, Suite 220E  
Bellevue, Washington 98004  
TEL: (425) 451 - 4009  
FAX: (425) 451 - 4901

**DESIGNED BY:** JPW  
**DRAWN BY:** JPW  
**CHECKED BY:** LCR  
**DATE:** JUNE 2014

**2014 STORMWATER REPAIRS**  
**SAMMAMISH WASHINGTON**  
**SCHEDULE B - NE 6TH ST DETAILS**

10-130038  
OCI PROJECT NO.  
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SHEET OF

PLOTTING DATE: 6/23/2014 USER: Richard FILE NAME: \\OCI-62\OCI\_SHARED\Projects\10-130038 Sammamish Stormwater\3 CAD\Sheets\10-130038\_PA.dwg



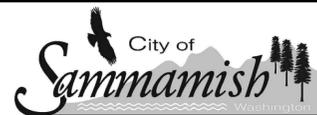
**PIPE ANCHOR** 1  
 N.T.S. 4



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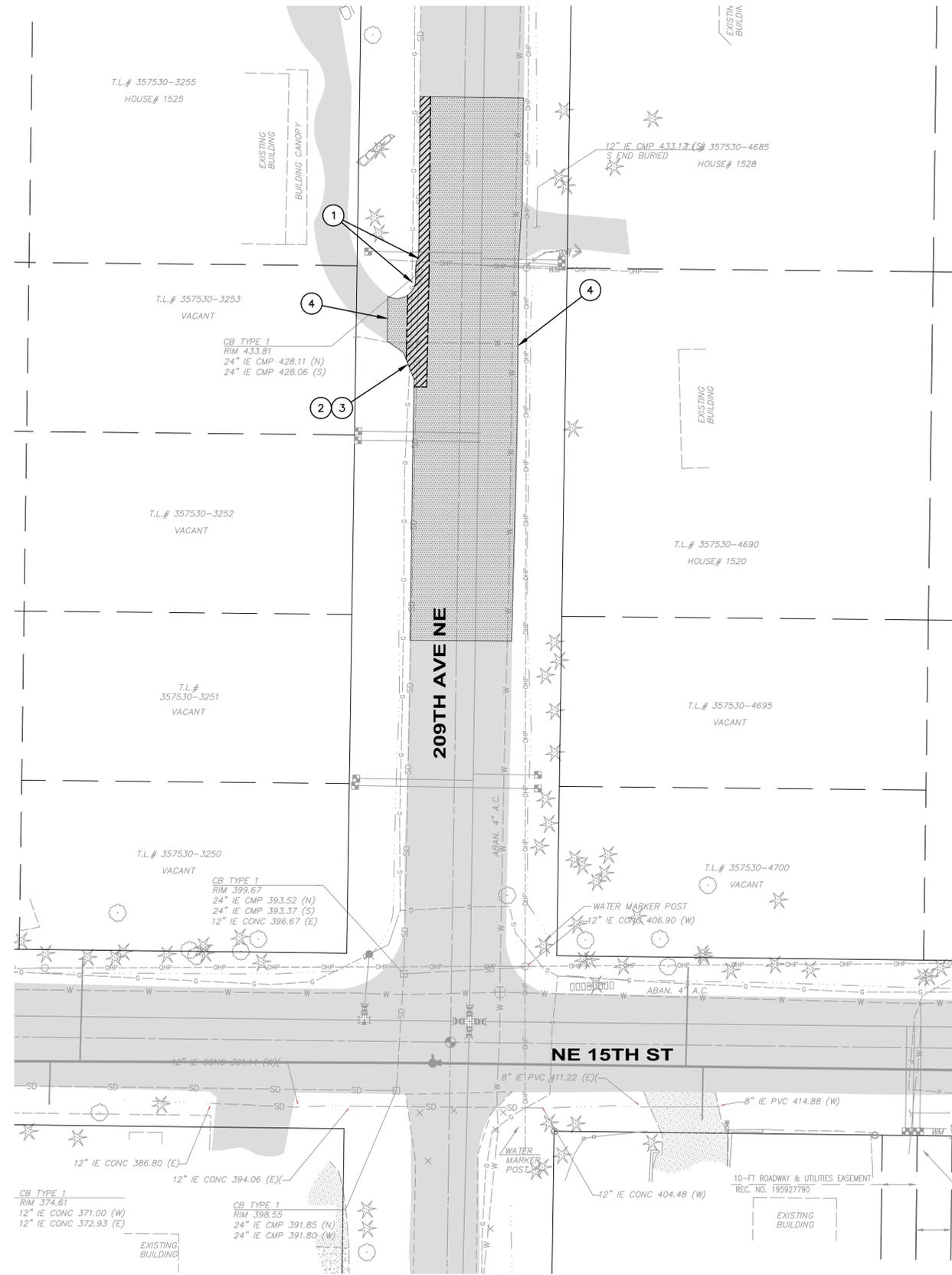


**ENGINEER:** Aspect Consulting LLC  
 401 Second Avenue S, Suite 201  
 Seattle, Washington 98104  
 TEL: (206) 328-7443  
 FAX: (206) 838-5853

DESIGNED BY: JPW  
 DRAWN BY: JPW  
 CHECKED BY: LCR  
 DATE: MAY 2014

**2014 STORMWATER REPAIRS**  
**SAMMAMISH WASHINGTON**  
**SCHEDULE B - NE 6TH ST PIPE ANCHOR DETAILS**

10-130038  
 OCI PROJECT NO.  
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**## CONSTRUCTION NOTES:**

1. PROTECT EXISTING UTILITY DURING CONSTRUCTION.
2. PAVEMENT REMOVAL, TRENCHING AND PATCHING PER CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS FIG02-08. EXCEPT ACP SHALL BE REPLACED WITH HMA CL 1/2 IN PG 64-22.
3. APPROXIMATE LIMITS OF TRENCH REPAIR. TRENCH REPAIR TO BE CONDUCTED ONLY WHERE PAVEMENT EXISTS. ACTUAL LIMITS TO BE MARKED ON SITE BY THE ENGINEER. TRENCH REPAIR INCLUDES EXCAVATION TO TOP OF EXISTING STORM DRAIN (APPROX 4 FT) AND BACKFILL WITH IMPORTED MATERIAL IN ACCORDANCE WITH CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS FIG 02-08.
4. APPROXIMATE LIMITS OF PLANING AND HMA CL 1/2 IN PG 64-22 OVERLAY (2-IN. DEPTH). ACTUAL LIMITS TO BE MARKED ON SITE BY THE ENGINEER.

**DATUM/BASIS OF BEARINGS:**

BACKGROUND INFORMATION SHOWN ON THIS PLAN ARE FROM THE FOLLOWING SOURCE:  
 • CITY OF SAMMAMISH PROVIDED SURVEY FOR NE 15TH STREET FROM THE NE 15TH STREET & 210TH AVENUE NE WATER AND SEWER MAIN PROJECT (SAMMAMISH PLATEAU WATER AND SEWER DISTRICT).

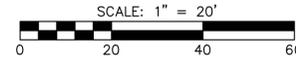
**UTILITY CONFLICT NOTE:**

**CAUTION:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT THE ENGINEER TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION. WORK TO RESOLVE UTILITY CONFLICTS SHALL BE CONSIDERED A MINOR CHANGE.

**LEGEND**

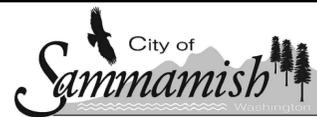
- \* STRAW WATTLE
- SD PROP. STORM DRAIN LINE
- ADJACENT PLAT/PARCEL LINE
- ADJACENT RIGHT-OF-WAY/LOTS
- SURFACE FEATURES
- EASEMENT
- CENTERLINE
- 10' CONTOURS
- 2' CONTOURS
- SD STORM DRAIN PIPE
- SS SEWER MAIN
- FM SEWER FORCE MAIN
- W WATER MAIN
- OHP AERIAL POWER LINE
- P BURIED POWER LINE
- G GAS MAIN
- TV BURIED TV/CABLE
- OTV AERIAL TV/CABLE
- T BURIED TELEPHONE LINE
- OHT AERIAL TELEPHONE LINE
- FO BURIED FIBER OPTIC CABLE
- X WIRE FENCE
- O CHAINLINK FENCE
- BOARD FENCE
- DITCH OR SWALE
- RAILROAD
- RETAINING WALL
- ROCKERY
- CATCH BASIN, TYPE I
- CATCH BASIN, TYPE II
- SD PIPE FLOW
- YARD DRAIN
- STORM CLEANOUT
- STORM DRAIN STUB
- SEWER MANHOLE
- SEWER CLEANOUT
- SEWER STUB
- FIRE HYDRANT
- WATER METER
- GATE VALVE
- WATER MANHOLE
- AIR/VAC RELEASE VALVE
- BLOW OFF
- IRRIGATION METER
- IRRIGATION VALVE
- WATER WELL
- HOSE BIB
- POWER POLE
- GUY ANCHOR
- STREET LIGHT
- POLE LIGHT
- POWER VAULT
- TRANSFORMER
- POWER METER
- JUNCTION BOX
- GAS METER
- GAS VALVE
- TV RISER
- TELEPHONE VAULT
- TELEPHONE RISER
- TRAFFIC SIGNAL
- MAIL BOX
- SIGN
- TREES
- WM WATER METER
- TRENCH REPAIR
- PROPOSED HMA
- ASPHALT
- CONCRETE
- GRAVEL



V: NAVD-88

PLOTTING DATE: 6/23/2014 USER: Richard FILE NAME: \\cvi-sz2\cvi\_shared\Projects\10-130038\_Sammamish Stormwater\CADD\Sheets\10-130038\_DR.dwg

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DESIGNED BY: JPW  
 DRAWN BY: JPW  
 CHECKED BY: LCR  
 DATE: JUNE 2014

**2014 STORMWATER REPAIRS**  
 SAMMAMISH WASHINGTON  
 SCHEDULE C - 209TH AVE NE PAVEMENT REPAIR

10-130038  
 OCI PROJECT NO.  
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