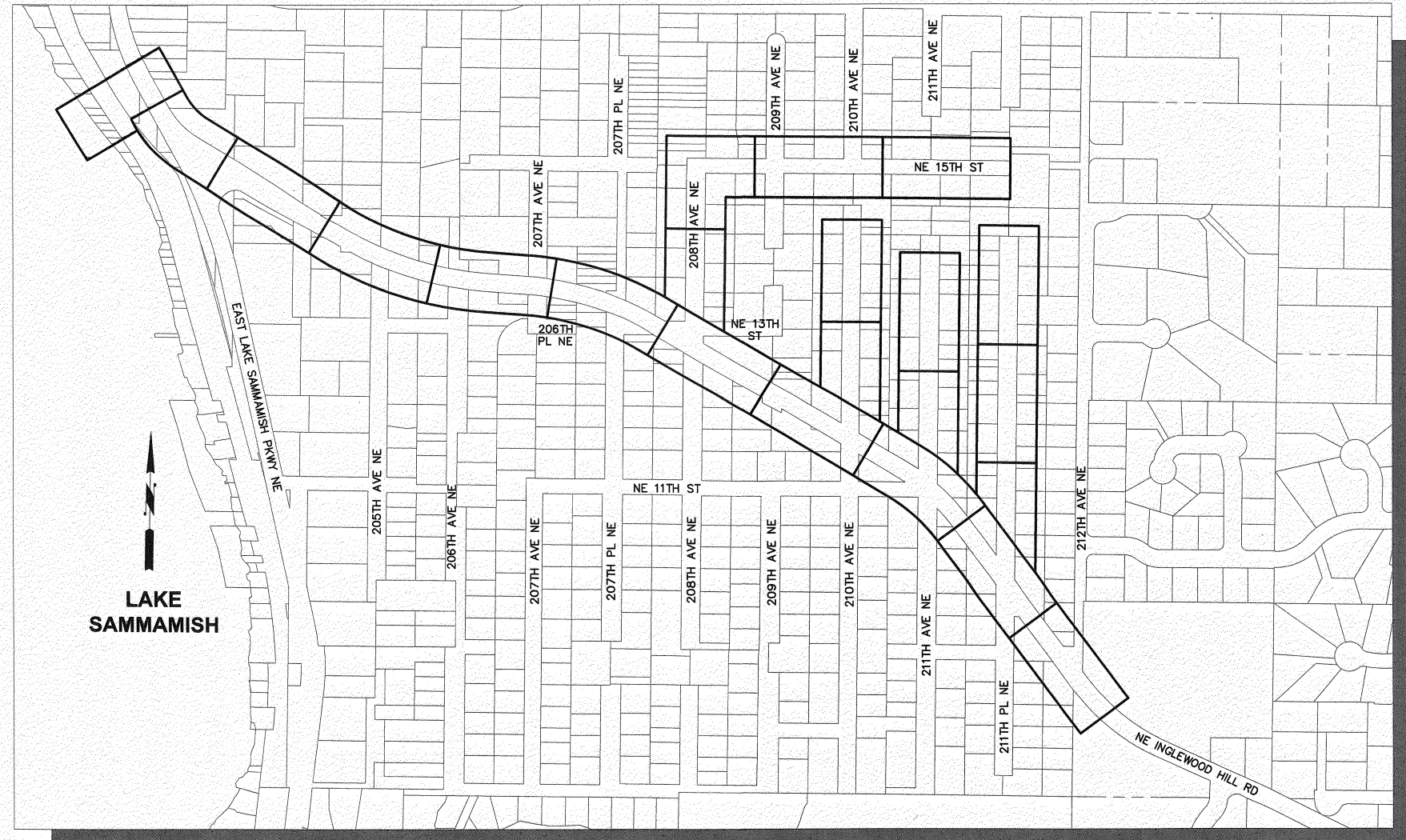


# CITY OF SAMMAMISH

## KING COUNTY, WASHINGTON

# INGLEWOOD HILL STORMWATER RETROFIT AND NON-MOTORIZED IMPROVEMENT PROJECT PROJECT NO. \_\_\_\_\_



VICINITY MAP  
1" = 250'

**OWNER:**  
CITY OF SAMMAMISH  
801 228TH AVENUE SE  
SAMMAMISH, WA 98075  
(425) 295-0500

**MAYOR:**  
DON GEREND

**DEPUTY MAYOR:**  
RAMIRO VALDERRAMA-ARAMAYO

**COUNCIL:**  
KATHLEEN HUCKABAY  
TOM ODELL  
BOB KELLER  
CHRISTIE MALCHOW  
TOM HORNISH

**CITY MANAGER:**  
LYMAN HOWARD

**DIRECTOR OF PUBLIC WORKS:**  
JOHN CUNNINGHAM, PE

**CITY ENGINEER:**  
ANDREW ZAGARS, PE

**CITY PROJECT MANAGER:**  
TAWNI DALZIEL, PE

**OCI PROJECT ENGINEER:**  
LAURA RUPPERT, PE

**SURVEYOR:**  
AXIS SURVEY AND MAPPING

**UTILITY CONTACTS:**  
COMCAST - JEFF BURRIS, 425-244-5088  
PUGET SOUND ENERGY (POWER) - DEL JOHNSON, 425-766-6666  
PUGET SOUND ENERGY (GAS) - JEANNE COLEMAN, 425-463-6550  
- TOM LING, 425-449-7546

SAMMAMISH PLATEAU WATER AND SEWER DISTRICT - KYLE WONG, 425-295-3203  
LAKE WASHINGTON SCHOOL DISTRICT (OVERHEAD CABLE) - MATT PALMER, 425-936-1222

**DATUM/BASIS OF BEARINGS:**  
BACKGROUND INFORMATION SHOWN ON THESE PLANS  
ARE FROM THE FOLLOWING SOURCES:

- AXIS SURVEY AND MAPPING
  - NAD '83/'91 HORIZONTAL
  - NAVD '88 VERTICAL

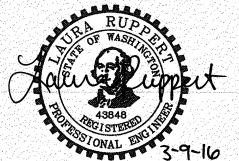
**RECOMMENDED FOR APPROVAL**

*Tom Dow*  
PROJECT ENGINEER

**APPROVED BY:**

*Andrew Zagars*  
CITY ENGINEER

*Laura Ruppert*  
PUBLIC WORKS DIRECTOR

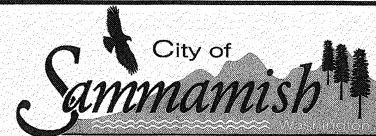


Know what's below.  
Call before you dig.

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

PLOT DATE: 3/9/2016 USER: Richard HerrmBE NAME: P:\10-140008 Inglewood Drainage\3 CADD\Sheets\_P\_10-140008\_CVR.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND  
NON-MOTORIZED IMPROVEMENTS  
COVER SHEET**

**10-140008**  
OCI PROJECT NO.  
1 OF 89  
SHEET OF



**GENERAL NOTES:**

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF SAMMAMISH STANDARDS AND THE 2016 EDITION OF WASHINGTON STATE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (WSDOT/APWA).
- THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN, AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. IMMEDIATELY NOTIFY THE ENGINEER IF A CONFLICT EXISTS.
- SURFACE RESTORATION OF EXISTING ASPHALT PAVEMENT SHALL BE AS REQUIRED BY THE CONTRACT PLANS AND SPECIFICATIONS.
- CALL 1-800-424-5555, OR 811, 72 HOURS PRIOR TO CONSTRUCTION FOR UTILITY LOCATES.
- MANHOLES, CATCH BASINS AND VAULTS ARE CONSIDERED TO BE PERMIT-REQUIRED CONFINED SPACES. ENTRY INTO THESE SPACES SHALL BE IN ACCORDANCE WITH CHAPTER 296-809 WAC.
- BEFORE ANY CONSTRUCTION, A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN THE CITY'S INSPECTOR, SAMMAMISH PLATEAU WATER AND SEWER DISTRICT AND THE CONTRACTOR'S CONSTRUCTION REPRESENTATIVE(S).
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY OTHER REQUIRED OR RELATED PERMITS PRIOR TO BEGINNING CONSTRUCTION.
- EAST LAKE SAMMAMISH PARKWAY NE AND NE INGLEWOOD HILL ROAD ARE CLASSIFIED AS MINOR ARTERIALS. LANE CLOSURES SHALL NOT BE ALLOWED DURING AM PEAK TRAFFIC (BEFORE 9AM) AND PM PEAK TRAFFIC (AFTER 4PM) MONDAYS THROUGH FRIDAYS.
- LOCAL AND EMERGENCY VEHICLE ACCESS SHALL BE ALLOWED AT ALL TIMES. CONTRACTOR SHALL ALLOW LOCAL TRAFFIC DURING CONSTRUCTION.
- APPROPRIATE TRAFFIC CONTROL AND SAFETY MEASURES SHALL BE PROVIDED. TRAFFIC CONTROL SHALL CONFORM TO THE PLAN SUBMITTED WITH THIS PERMIT. THE CITY RESERVES THE RIGHT TO ADJUST THE TRAFFIC CONTROL PLAN IF THE NEED ARISES.
- SCHOOL BUSES SHALL BE TREATED AS EMERGENCY VEHICLES AND SHALL BE ALLOWED ACCESS WITHOUT DELAY.
- THE WORKING HOURS OF CONSTRUCTION SHALL BE CONSISTENT WITH THE CITY'S MUNICIPAL CODE SMC 16.05.030:
  - MONDAY THROUGH FRIDAY: 7:00 A.M. TO 8:00 P.M.
  - SATURDAYS: 9:00 A.M. TO 6:00 P.M.
  - SUNDAYS: NO CONSTRUCTION
  - HOLIDAYS: NO CONSTRUCTION WILL BE ALLOWED ON THE FOLLOWING HOLIDAYS -NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY.

NO VARIATIONS TO THESE HOURS WILL BE PERMITTED, UNLESS APPROVED BY THE CITY OF SAMMAMISH CITY MANAGER OR MANAGER'S DESIGNEE.
- SATURDAY WORK SHALL BE REQUESTED NO LATER THAN 12:00 NOON ON PREVIOUS THURSDAY.
- MINIMUM 10-FT WIDE TRAVEL LANES SHALL BE PROVIDED, UNLESS APPROVED BY THE CITY OF SAMMAMISH.
- TOTAL ROAD CLOSURE SHALL NOT BE ALLOWED.
- TRENCHING IN EXISTING PAVEMENT SHALL HAVE NO MORE THAN 200-FT OF STEEL PLATES ON ROADWAY. ALL TRENCHING BEHIND STEEL PLATES SHALL BE TOPPED OFF WITH A MINIMUM OF 2-INCH ATB, OR STREET MIX, AS TRENCH IS BACKFILLED. NO COLD MIX ASPHALT SHALL BE ALLOWED. ALL MATERIAL SHALL BE TAKEN OUT BEFORE FINAL PATCHING.
- ALL NEW AND RELOCATED SIGNS REQUIRED IN THE PUBLIC RIGHTS-OF-WAY MUST BE INSTALLED AT THE LOCATION DIRECTED BY THE CITY OF SAMMAMISH TRAFFIC ENGINEER AFTER FIELD REVIEW OF IMPROVEMENTS. CONTRACTOR SHALL CONTACT THE PUBLIC WORKS INSPECTOR TO INITIATE SIGNAGE INSTALLATION A MINIMUM OF SIX (6) WEEKS PRIOR TO SCHEDULED INSTALLATION. TEMPORARY STREET SIGNS ARE REQUIRED FOR EMERGENCY VEHICLE ACCESS.
- EXISTING STREET SIGNS REPLACED BY PROJECT SHALL BE REMOVED OFF SITE AT THE CONTRACTOR'S EXPENSE.
- EXISTING STREETS SIGNS RELOCATED BY PROJECT SHALL BE PROTECTED UNTIL PROJECT FINAL ACCEPTANCE.

**GENERAL NOTES (SPECIFIC TO WORK WITHIN THE SHORELINE BUFFER)**

- THE CONSTRUCTION WORK ACTIVITIES SHOWN ON THE PLANS SHALL BE SEQUENCED AND PERFORMED IN A MANNER THAT MINIMIZES IMPACTS TO SURFACE WATERS, SENSITIVE AREAS, EXISTING VEGETATION, THE CONSTRUCTION WORK SITE, AND ADJACENT PROPERTIES AND PUBLIC INFRASTRUCTURE.
- ONLY ESSENTIAL EQUIPMENT SHALL BE ALLOWED IN THE CONSTRUCTION WORK SITE.
- NO EQUIPMENT IS AT ANY TIME ALLOWED WITHIN THE WETLAND OR BELOW THE ORDINARY HIGH WATER MARK (OHWM). WEED REMOVAL AND RESTORATION PLANTING WITHIN THE WETLAND OR BELOW THE OHWM, IF ANY, SHALL BE PERFORMED BY HAND.
- IF EQUIPMENT OR CONSTRUCTION VEHICLES ARE USED TO WORK WITHIN THE BUFFER, ALL ACCUMULATED SOIL OR DEBRIS ON EQUIPMENT SHALL BE REMOVED FROM THE DRIVE MECHANICS (WHEELS, TRUCKS, TIRES, ETC.) AND UNDERCARRIAGE OF EQUIPMENT PRIOR TO ITS WORKING WITHIN THE BUFFER.

**TEMPORARY EROSION AND SEDIMENT CONTROL (TESC)**

**GENERAL NOTES:**

- THE TESC PLANS ARE NOT CONFIRMATION OF OTHER DESIGN ELEMENTS THAT MAY ALSO BE SHOWN ON THE PLANS. APPROVAL IS SPECIFIC TO THE TESC ELEMENTS. ONLY TESC ELEMENTS SHALL BE CONSTRUCTED OFF THE TESC PLANS.
- THIS TESC PLAN IS DESIGNED BASED ON THE KNOWN SITE CONDITIONS AND IS PROVIDED FOR PLANNING PURPOSES. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING FOR APPROVAL A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND UPDATED TESC PLAN BASED ON THEIR CONSTRUCTION MEANS AND METHODS AND STAGING PLANS. NO EARTH DISTURBING ACTIVITY SHALL OCCUR PRIOR TO APPROVAL OF THESE PLANS.
- THE SWPPP AND UPDATED TESC PLANS SHALL BE KEPT ON-SITE AT ALL TIMES.
- THE IMPLEMENTATION OF THE UPDATED TESC PLANS AND BEST MANAGEMENT PRACTICES (BMPs) INCLUDING THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE BMPs IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE ENGINEER.
- THE BMPs SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAY, OR VIOLATE APPLICABLE WATER STANDARDS SPECIFIED IN THE PROJECT PERMIT.
- THE CONTRACTOR SHALL USE PROPER TESC PRACTICES ON THE CONSTRUCTION SITE AND ADJACENT CONSTRUCTION STAGING AREAS TO PREVENT EROSION BOTH IN AND DOWNHILL OF DISTURBED AREAS, AND TO PREVENT THE DISCHARGE OF UPLAND SEDIMENT OR SEDIMENT LADEN WATER INTO THE DRAINAGE SYSTEMS, OR VIOLATE APPLICABLE WATER STANDARDS SPECIFIED IN THE PROJECT PERMIT.
- THE BMPs SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE BMPs SHALL BE UPGRADED (E.G. ADDITIONAL STORM DRAIN INLET PROTECTION, RELOCATION OF OR ADDITIONAL TEMPORARY SILT FENCES OR STRAW WATTLES, ETC.) AS NEEDED TO PREVENT SEDIMENT AND SEDIMENT LADEN WATER FROM ENTERING THE DRAINAGE SYSTEM OR OFF-SITE AREAS.
- CLEARING LIMITS SHALL BE CLEARLY DELINEATED ON THE SITE BY HIGH VISIBILITY FENCE, AS SHOWN IN THE PLANS. THE CONTRACTOR SHALL NOT DISTURB ANY AREA BEYOND THE CLEARING LIMIT FENCE. THE CLEARING LIMIT FENCE SHALL BE INSTALLED PRIOR TO ANY CLEARING AND GRADING ACTIVITIES. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES PER WSDOT STANDARD PLAN NO. I-80.10-01 AT THE BEGINNING OF CONSTRUCTION ON ALL UNSURFACED CONSTRUCTION ROADS OR STAGING AREAS WHERE THE CONSTRUCTION ROAD EXISTS ONTO PAVED ROADS. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- THE CONTRACTOR SHALL ENSURE LOCAL ROADS AND OTHER PAVED AREAS ADJACENT TO THE SITE ARE FREE OF SEDIMENT AND CONSTRUCTION DEBRIS AT THE END OF EACH WORK DAY.
- INSTALL STORM DRAIN INLET PROTECTION ON NEW AND EXISTING CATCH BASINS AT LOCATIONS SHOWN ON THE PLANS PRIOR TO ANY CLEARING AND GRADING ACTIVITIES. STORM DRAIN INLET PROTECTION SHOULD BE INSTALLED ON ALL CATCH BASINS WHICH ARE LIKELY TO RECEIVE RUNOFF FROM THE DISTURBED AREAS DURING CONSTRUCTION. THE CONTRACTOR SHALL ADD ADDITIONAL STORM DRAIN INLET PROTECTION AS NECESSARY.
- STORM DRAIN INLET PROTECTION SHALL BE CLEANED OR REMOVED AND REPLACED WHEN SEDIMENT HAS FILLED UP TO ONE-THIRD THE AVAILABLE STORAGE. DAILY INSPECTION SHALL BE REQUIRED.
- ALL STORMWATER CATCH BASINS, STRUCTURES, AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PROJECT COMPLETION. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- BMP INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY CALENDAR WEEK AND WITHIN 24 HOURS FOLLOWING ANY DISCHARGE FROM THE SITE. TEMPORARY STABILIZED SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE EVERY MONTH.
- ANY AREAS OF EXPOSED OR UNWORKED SOILS, INCLUDING ROADWAY EMBANKMENT, THAT WILL NOT BE DISTURBED FOR TWO (2) CONSECUTIVE DAYS DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30) OR SEVEN (7) DAYS DURING THE DRY SEASON (MAY 1 THROUGH SEPTEMBER 30), SHALL BE COVERED BY ONE OF THE FOLLOWING APPROVED TESC COVER MEASURES: PLASTIC COVERING, STRAW, SEEDING, MULCHING, TOP SOIL, OR OTHER APPROVED MATERIAL.
- WHERE STRAW MULCH FOR TEMPORARY COVER IS INSTALLED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO (2) INCHES.
- WHERE SEEDING AND SODDING IS USED FOR TEMPORARY COVER FOR UNWORKED OR EXPOSED SOILS, WSDOT SPECIFICATION 8-02.3(1) RESPONSIBILITY DURING CONSTRUCTION REQUIREMENT ABOUT MAINTENANCE SHALL BE FOLLOWED.
- INSTALL EROSION CONTROL BLANKETS ON ALL FINISHED GRADE SLOPES 3 HORIZONTAL TO 1 VERTICAL AND STEEPER.
- THE CONTRACTOR SHALL PREPARE A COMPLETE SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN.
- WASHOUT OF CONSTRUCTION EQUIPMENT WILL BE COMPLETED ACCORDING TO THE SPCC PLAN.
- THE CONTRACTOR SHALL NOT DISCHARGE ANY CLEANING SOLVENTS OR CHEMICALS UTILIZED FOR TOOL OR EQUIPMENT CLEANING TO THE GROUND. REFUELING OF EQUIPMENT WILL BE CONDUCTED AWAY FROM THE DRAINAGE FACILITIES AND DONE IN SUCH A MANNER AS TO PREVENT SPILLS FROM ENTERING THE GROUNDWATER OR WATER BODIES.
- THE CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT ANY PETROLEUM PRODUCTS, HYDRAULIC FLUIDS, CHEMICALS OR OTHER TOXIC OR DELETERIOUS MATERIALS FROM ENTERING OR LEACHING FROM EQUIPMENT OR SUPPLIES USED DURING CONSTRUCTION INTO GROUNDWATER, WATER BODIES OR SENSITIVE AREAS.
- THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES DIRECTLY TO ANY STREAM, LAKE, STORMWATER SYSTEM INLETS, OR DRAINAGE DITCHES BEFORE THE SOLIDS HAVE SETTLED OUT OF THE WATER AND WATER QUALITY PARAMETERS ARE MET. WATER QUALITY PARAMETERS ARE SPECIFIED IN THE PROJECT PERMITS.
- REMOVE ALL CLEARING LIMIT FENCES, TEMPORARY SILT FENCES, STORM DRAIN INLET PROTECTIONS, AND OTHER TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES AT COMPLETION OF CONSTRUCTION UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

| SHEET INDEX              |                                      |
|--------------------------|--------------------------------------|
| SHEET #                  | SHEET TITLE                          |
| 1                        | COVER SHEET                          |
| 2                        | SHEET INDEX AND GENERAL NOTES        |
| 3                        | LEGEND, LINETYPES, AND ABBREVIATIONS |
| HORIZONTAL CONTROL       |                                      |
| 4                        | INGLEWOOD HILL ROAD                  |
| 5                        | INGLEWOOD HILL ROAD                  |
| 6                        | 208TH AVE NE - 210TH AVE NE          |
| 7                        | 211TH AVE NE - 211TH PL NE           |
| DEMOLITION AND TESC      |                                      |
| 8                        | BEGINNING TO STA. 13+00              |
| 9                        | STA. 13+00 TO STA. 21+00             |
| 10                       | STA. 21+00 TO STA. 29+00             |
| 11                       | STA. 29+00 TO STA. 37+00             |
| 12                       | STA. 37+00 TO STA. 45+00             |
| 13                       | STA. 45+00 TO STA. 47+00             |
| 14                       | STA. 101+00 TO STA. 107+00           |
| 15                       | STA. 107+00 TO STA. 111+00           |
| 16                       | STA. 201+00 TO STA. 207+00           |
| 17                       | STA. 301+00 TO STA. 308+00           |
| 18                       | STA. 401+00 TO STA. 408+00           |
| 19                       | STA. 408+00 TO STA. 411+00           |
| FIBER OPTIC              |                                      |
| 20                       | STA. 13+00 TO STA. 21+00             |
| 21                       | STA. 21+00 TO STA. 29+00             |
| 22                       | STA. 29+00 TO STA. 37+00             |
| 23                       | STA. 37+00 TO STA. 45+00             |
| 24                       | STA. 45+00 TO STA. 47+00             |
| TYPICAL ROADWAY SECTIONS |                                      |
| 25                       | NE INGLEWOOD HILL RD                 |
| 26                       | CURB AND RAINGARDEN DETAILS          |
| ROADWAY AND DRAINAGE     |                                      |
| 27                       | BEGINNING TO STA. 10+00              |
| 28                       | STA. 10+00 TO STA. 13+00             |
| 29                       | STA. 13+00 TO STA. 17+00             |
| 30                       | STA. 17+00 TO STA. 21+00             |
| 31                       | STA. 21+00 TO STA. 25+00             |
| 32                       | STA. 25+00 TO STA. 29+00             |
| 33                       | STA. 29+00 TO STA. 33+00             |
| 34                       | STA. 33+00 TO STA. 37+00             |
| 35                       | STA. 37+00 TO STA. 41+00             |
| 36                       | STA. 41+00 TO STA. 45+00             |
| 37                       | STA. 45+00 TO STA. 47+00             |
| 38                       | STA. 101+00 TO STA. 104+00           |
| 39                       | STA. 104+00 TO STA. 107+00           |
| 40                       | STA. 107+00 TO STA. 111+00           |
| 41                       | STA. 111+00 TO STA. 115+00           |
| 42                       | STA. 201+00 TO STA. 204+00           |
| 43                       | STA. 204+00 TO STA. 207+00           |
| 44                       | STA. 301+00 TO STA. 304+00           |
| 45                       | STA. 304+00 TO STA. 308+00           |

| SHEET INDEX                |  |
|----------------------------|--|
| SHEET #                    | SHEET TITLE                            |
| 46                         | STA. 401+00 TO STA. 404+00             |
| 47                         | STA. 404+00 TO STA. 408+00             |
| 48                         | STA. 408+00 TO STA. 411+00             |
| ROADWAY DETAILS            |  |
| 49                         | DRIVEWAY PLAN AND PROFILE              |
| 50                         | DRIVEWAY PLAN AND PROFILE              |
| 51                         | CURB RAMP PLANS                        |
| 52                         | CURB RAMP PLANS                        |
| 53                         | CURB RAMP PLANS                        |
| WALL PLAN AND PROFILE      |  |
| 54                         | WALL 1                                 |
| 55                         | WALL 2                                 |
| 56                         | WALL 3                                 |
| 57                         | WALL 4                                 |
| 58                         | WALL 5                                 |
| 59                         | WALL 6                                 |
| 60                         | WALL 7                                 |
| 61                         | WALL 7 (CONT.)                         |
| WALL DETAILS               |  |
| 62                         | WALL DETAILS                           |
| STORM DRAINAGE DETAILS     |  |
| 63                         | MODULAR WETLAND SYSTEM STANDARD DETAIL |
| 64                         | MODULAR WETLAND SYSTEM STANDARD DETAIL |
| 65                         | MODULAR WETLAND SYSTEM STANDARD DETAIL |
| 66                         | MODULAR WETLAND SYSTEM STANDARD DETAIL |
| 67                         | MODULAR WETLAND SYSTEM STANDARD DETAIL |
| 68                         | MODULAR WETLAND SYSTEM STANDARD DETAIL |
| 69                         | MODULAR WETLAND SYSTEM STANDARD DETAIL |
| 70                         | NYLOSPLAST DRAIN BASIN STANDARD DETAIL |
| 71                         | INLINE CDS DETAIL                      |
| 72                         | SAND FILTER VAULT PLAN AND PROFILE     |
| 73                         | SAND FILTER VAULT DETAIL               |
| 74                         | SAND FILTER VAULT DETAIL               |
| 75                         | SAND FILTER VAULT DETAIL               |
| 76                         | SAND FILTER VAULT DETAILS              |
| 77                         | STORM DRAIN DETAILS                    |
| 78                         | STORM DRAIN DETAILS                    |
| 79                         | FLOW SPLITTER DETAIL                   |
| CHANNELIZATION AND SIGNING |  |
| 80                         | STA. 13+00 TO STA. 21+00               |
| 81                         | STA. 21+00 TO STA. 29+00               |
| 82                         | STA. 29+00 TO STA. 37+00               |
| 83                         | STA. 37+00 TO STA. 45+00               |
| 84                         | STA. 45+00 TO STA. 47+00               |
| 85                         | SIGN SCHEDULE AND DETAILS              |
| MITIGATION PLANS           |  |
| 86                         | EXISTING CONDITIONS                    |
| 87                         | IMPACTS AND RESTORATION PLAN           |
| 88                         | PLANTING PLAN                          |
| 89                         | RESTORATION PLAN NOTES                 |

1 WORK TO BE CONSTRUCTED UNDER SEPARATE CONTRACT



4/20/16

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

PLOT DATE: 3/24/2016 USER: Travis\_Franklin\FILE NAME: P:\10-140008 Inglewood\_Drainage\3 CAD\Drawings\10-140008\_CVR.dwg

| NO. | DATE      | BY  | CHKD. | REVISION              |
|-----|-----------|-----|-------|-----------------------|
| 1   | 3/21/2016 | RDH | LCR   | ADDENDUM #1 REVISIONS |



**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**SHEET INDEX AND GENERAL NOTES**

**10-14008**  
 OCI PROJECT NO.  
 2 SHEET OF 89

**CHANNELIZATION SYMBOLS**

| SYMBOL | DESCRIPTION      |
|--------|------------------|
|        | BIKE LANE        |
|        | RIGHT TURN ARROW |
|        | LEFT TURN ARROW  |
|        | THROUGH ARROW    |
|        | SIGN             |

**SIGNALIZATION SYMBOLS**

| SYMBOL | DESCRIPTION                  |
|--------|------------------------------|
|        | PEDESTRIAN DOUBLE PUSHBUTTON |
|        | CROSSWALK POST SINGLE BUTTON |
|        | SIGNAL CONTROLLER            |
|        | SIGNAL LOAD CENTER           |
|        | STREET LIGHT ASSEMBLY        |
|        | SIGNAL VAULT                 |

**WATER SYMBOLS**

| SYMBOL | DESCRIPTION               |
|--------|---------------------------|
|        | FIRE HYDRANT              |
|        | DETECTOR CHECK VALVE      |
|        | FIRE DEPARTMENT CONNECTOR |
|        | HOSE BIB                  |
|        | IRRIGATION CONTROL VALVE  |
|        | SPRINKLER VALVE           |
|        | MONITOR WELL              |
|        | POST INDICATOR VALVE      |
|        | SPRINKLER HEAD            |
|        | WATER BLOW OFF            |
|        | WATER METER               |
|        | WATER STAND PIPE          |
|        | WATER VALVE               |
|        | AIR RELIEF VALVE          |
|        | WATER VAULT               |
|        | WATER INDICATOR POST      |
|        | WATER MANHOLE             |
|        | WATER WELL                |

**DEMOLITION/TESC SYMBOLS**

| SYMBOL | DESCRIPTION                             |
|--------|---|
|        | STORM DRAIN INLET PROTECTION            |
|        | TREE PROTECTION PER DETAIL ON SHEET 13. |
|        | TREE REMOVAL                            |

**TOPO SYMBOLS**

| SYMBOL | DESCRIPTION            |
|--------|------------------------|
|        | MAIL BOX               |
|        | SHRUB                  |
|        | YARD LIGHT             |
|        | BOLLARD                |
|        | POST                   |
|        | WETLAND FLAG           |
|        | SIGN POST              |
|        | SOIL LOG/TEST PIT      |
|        | EDGE OF ASPHALT PAVING |
|        | LOCAL HIGH POINT       |
|        | LOCAL LOW POINT        |
|        | HVAC                   |
|        | OIL TANK FILL CAP      |
|        | GAS TANK FILL CAP      |
|        | FUEL PUMP              |
|        | APPLE                  |
|        | ALDER                  |
|        | BIRCH                  |
|        | CEDAR                  |
|        | CHESTNUT               |
|        | COTTONWOOD             |
|        | CONIFER                |
|        | CHERRY                 |
|        | DECIDUOUS              |
|        | DOGWOOD                |
|        | ELM                    |
|        | FILBERT                |
|        | FIR                    |
|        | FRUIT                  |
|        | HAWTHORNE              |
|        | HEMLOCK                |
|        | HOLLY                  |
|        | JUNIPER                |
|        | LARCH                  |
|        | LAUREL                 |
|        | MAPLE                  |
|        | MADRONA                |
|        | MAGNOLIA               |
|        | OAK                    |
|        | PINE                   |
|        | PLUM                   |
|        | POPLAR                 |
|        | REDWOOD                |
|        | SEQUOIA                |
|        | SPRUCE                 |
|        | VINE MAPLE             |
|        | WILLOW                 |
|        | STUMP                  |

**GAS/POWER/TELEPHONE SYMBOLS**

| SYMBOL | DESCRIPTION  |
|--------|--|
|        | GAS METER  |
|        | GAS VALVE  |
|        | GAS RISER  |
|        | GAS MANHOLE  |
|        | PAD MOUNTED TRANSFORMER                                  |
|        | POWER VAULT  |
|        | TRANSMISSION TOWER                                       |
|        | POWER INDICATOR POST                                     |
|        | POWER STUB   |
|        | POWER JUNCTION BOX                                       |
|        | POWER METER  |
|        | UTILITY POLE W/ LIGHT                                    |
|        | UTILITY POLE W/ LIGHT & UNDERGROUND CONDUIT              |
|        | UTILITY POLE W/ LIGHT & TRANSFORMER                      |
|        | UTILITY POLE W/ LIGHT, UNDERGROUND CONDUIT & TRANSFORMER |
|        | POWER POLE W/ TRANSFORMER                                |
|        | POWER POLE W/ UNDERGROUND CONDUIT                        |
|        | POWER POLE W/ TRANSFORMER & UNDERGROUND CONDUIT          |
|        | TRAFFIC SIGNAL POLE                                      |
|        | TV RISER   |
|        | UTILITY POLE   |
|        | UTILITY POLE ANCHOR                                      |
|        | TELEPHONE RISER  |
|        | TELEPHONE VAULT  |
|        | TELEPHONE POLE   |
|        | TELEPHONE MANHOLE  |
|        | TELECOMMUNICATIONS INDICATOR POST                        |
|        | TELECOMMUNICATIONS STUB                                  |
|        | TELEPHONE BOOTH  |
|        | TELECOMMUNICATIONS RISER                                 |
|        | TELECOMMUNICATIONS JUNCTION BOX                          |
|        | FIBER OPTICS MANHOLE                                     |
|        | FIBER OPTICS HANDHOLE                                    |

**SURVEY SYMBOLS**

| SYMBOL | DESCRIPTION  |
|--------|--|
|        | SET PK/MAG NAIL  |
|        | FOUND PK/MAG NAIL  |
|        | SET BENCHMARK  |
|        | BLOCK CORNER   |
|        | FOUND IRON PIPE  |
|        | FOUND MONUMENT IN CASE                                     |
|        | CALCULATED MONUMENT LOCATION                               |
|        | FOUND SURFACE MONUMENT                                     |
|        | SET HUB AND TACK   |
|        | FOUND HUB AND TACK   |
|        | FOUND TACK IN LEAD   |
|        | FOUND REBAR  |
|        | SET REBAR  |
|        | SET REBAR AND CAP "AXIS 38011, 38479, 41957, 40094, 43347" |
|        | FOUND REBAR AND CAP AS NOTED                               |
|        | CENTER OF SECTION  |
|        | FOUND SECTION CORNER                                       |
|        | CALCULATED SECTION CORNER                                  |
|        | FOUND QUARTER CORNER                                       |
|        | CALCULATED QUARTER CORNER                                  |
|        | SIXTEENTH CORNER   |
|        | CLOSING CORNER   |
|        | MEANDER CORNER   |
|        | WITNESS CORNER   |

**SANITARY/STORM SEWER SYMBOLS**

| SYMBOL | DESCRIPTION                                |
|--------|--|
|        | CONCRETE INLET                             |
|        | STORM DRAIN CATCH BASIN TYPE 2             |
|        | STORM DRAIN CATCH BASIN TYPE 2 LOCKING LID |
|        | AREA DRAIN                                 |
|        | CULVERT END                                |
|        | STORM DRAIN ARROW                          |
|        | STORM DRAIN CLEANOUT                       |
|        | STORM DRAIN STUB                           |
|        | STORM/SEWER MANHOLE                        |
|        | SANITARY SEWER STUB                        |
|        | SANITARY SEWER MANHOLE                     |
|        | SAN SEWER CLEAN OUT                        |
|        | SAN SEWER ARROW                            |
|        | CULVERT END PROTECTION                     |
|        | RAINGARDEN FLOW DIRECTION                  |
|        | MODULAR WETLAND SYSTEM                     |

**HATCH PATTERNS**

| PATTERN | DESCRIPTION  |
|---------|--|
|         | PLANNING BUTUMINOUS PAVEMENT PER WSDOT STANDARD SPECIFICATIONS SECTION 5-04.3                |
|         | STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATIONS SECTION 2-029. |
|         | ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATIONS SECTION 2-03.            |
|         | CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATIONS SECTION 2-01.                        |
|         | CONCRETE PAVING  |
|         | ASPHALT PAVING   |
|         | ASPHALT GRIND AND OVERLAY  |
|         | BUILDINGS  |
|         | GRAVEL SURFACE   |
|         | WETLANDS   |
|         | 40% OR GREATER SLOPE   |
|         | BRICK PAVING   |
|         | SIDEWALK   |

**LINESTYLES**

| EXIST. | PROP. | DESCRIPTION  |
|--------|-------|--|
|        |       | WETLAND  |
|        |       | CHAIN LINK FENCE   |
|        |       | WOOD FENCE   |
|        |       | BARB WIRE FENCE  |
|        |       | HANDRAIL   |
|        |       | ROADWAY CENTERLINE                                       |
|        |       | RETAINING WALL   |
|        |       | CMU RETAINING WALL                                       |
|        |       | ROCKERY  |
|        |       | INTERMEDIATE CONTOUR                                     |
|        |       | INDEX CONTOUR  |
|        |       | DEPRESSION CONTOUR                                       |
|        |       | CUT LINE   |
|        |       | FILL LINE  |
|        |       | PROPERTY LINE SECTION                                    |
|        |       | PERM EASEMENT  |
|        |       | TEMPORARY EASEMENT                                       |
|        |       | RIGHT OF WAY   |
|        |       | CHAN STRIPE  |
|        |       | GUARD RAIL   |
|        |       | BURIED TRAFFIC SIGNAL                                    |
|        |       | AERIAL TRAFFIC SIGNAL                                    |
|        |       | INTERCONNECT   |
|        |       | AERIAL TV  |
|        |       | BURIED TV  |
|        |       | AERIAL TELEPHONE   |
|        |       | BURIED TELEPHONE   |
|        |       | BURIED FIBER OPTICS                                      |
|        |       | AERIAL POWER   |
|        |       | BURIED POWER   |
|        |       | STORM DRAIN  |
|        |       | DITCH  |
|        |       | GAS  |
|        |       | SAN SEWER  |
|        |       | STEAM  |
|        |       | WATER  |
|        |       | IRRIGATION   |
|        |       | SILT FENCE   |
|        |       | HIGH VISIBILITY FENCE                                    |
|        |       | SAWCUT   |
|        |       | REMOVAL OF STRUCTURES AND OBSTRUCTIONS                   |
|        |       | OVERHEAD POWER AND TELECOMMUNICATIONS                    |
|        |       | OVERHEAD FIBER OPTICS LINE                               |
|        |       | OVERHEAD FIBER OPTICS, POWER AND TELECOMMUNICATIONS LINE |
|        |       | STORM AND SANITARY SEWER LINE                            |
|        |       | FORCE MAIN SEWER LINE                                    |
|        |       | BUILDING OVERHANG  |
|        |       | ROOF OVERHANG/EAVE                                       |
|        |       | EDGE OF WATER  |
|        |       | CURB   |

USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_CVR.dwg PLOTTING DATE: 3/24/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**LEGEND, LINETYPES, AND ABBREVIATIONS**

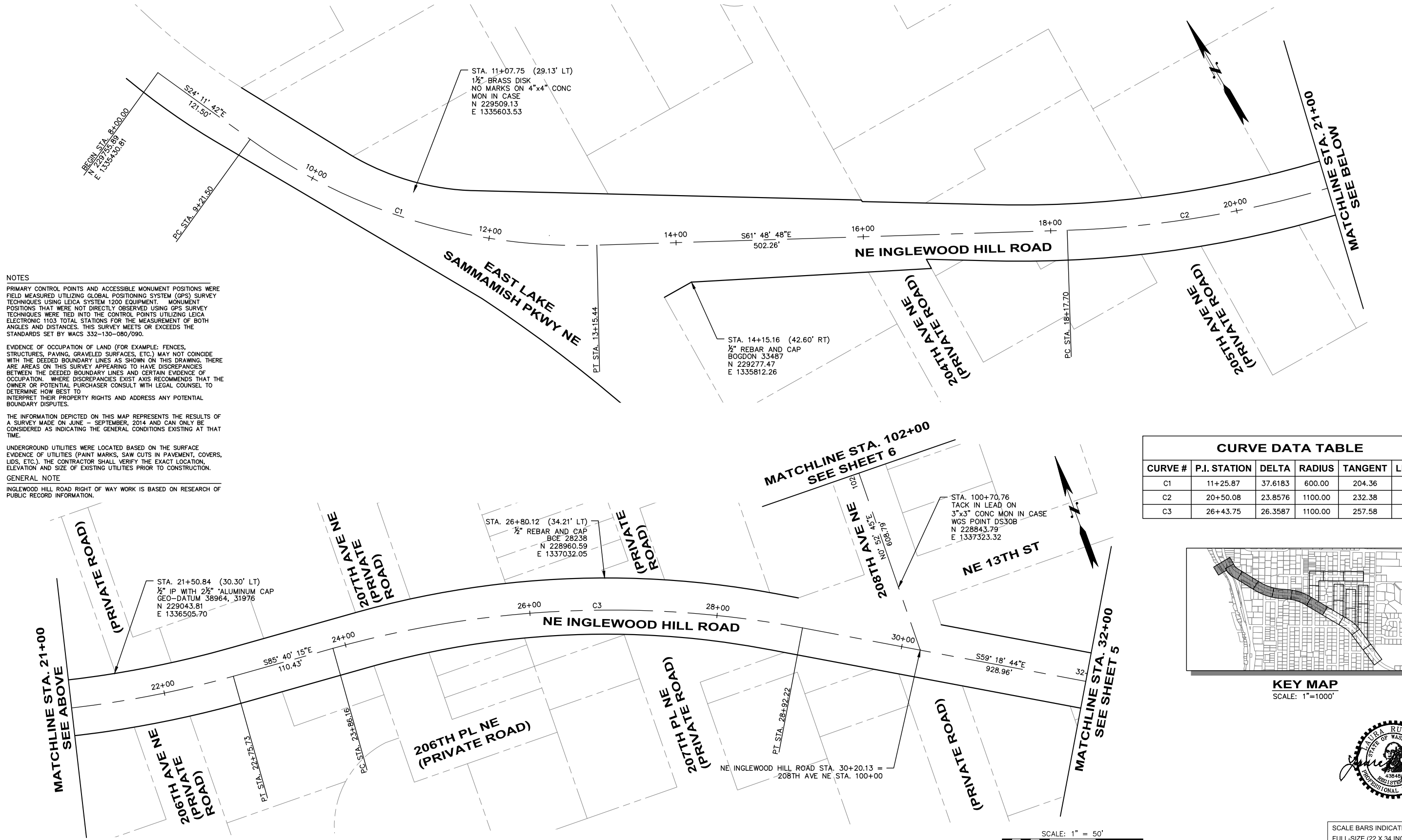
**10-140008**  
 OCI PROJECT NO.  
 3 89  
 SHEET OF



4/20/16

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





**NOTES**

PRIMARY CONTROL POINTS AND ACCESSIBLE MONUMENT POSITIONS WERE FIELD MEASURED UTILIZING GLOBAL POSITIONING SYSTEM (GPS) SURVEY TECHNIQUES USING LEICA SYSTEM 1200 EQUIPMENT. MONUMENT POSITIONS THAT WERE NOT DIRECTLY OBSERVED USING GPS SURVEY TECHNIQUES WERE TIED INTO THE CONTROL POINTS UTILIZING LEICA ELECTRONIC 1103 TOTAL STATIONS FOR THE MEASUREMENT OF BOTH ANGLES AND DISTANCES. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS SET BY WACS 332-130-080/090.

EVIDENCE OF OCCUPATION OF LAND (FOR EXAMPLE: FENCES, STRUCTURES, PAVING, GRAVELED SURFACES, ETC.) MAY NOT COINCIDE WITH THE DEEDED BOUNDARY LINES AS SHOWN ON THIS DRAWING. THERE ARE AREAS ON THIS SURVEY APPEARING TO HAVE DISCREPANCIES BETWEEN THE DEEDED BOUNDARY LINES AND CERTAIN EVIDENCE OF OCCUPATION. WHERE DISCREPANCIES EXIST THIS RECOMMENDS THAT THE OWNER OR POTENTIAL PURCHASER CONSULT WITH LEGAL COUNSEL TO DETERMINE HOW BEST TO INTERPRET THEIR PROPERTY RIGHTS AND ADDRESS ANY POTENTIAL BOUNDARY DISPUTES.

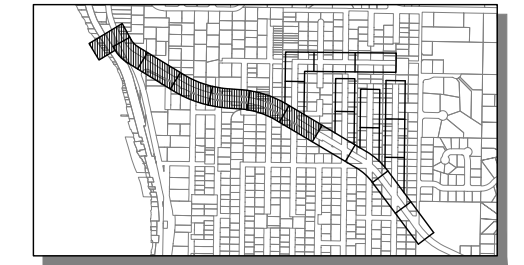
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON JUNE - SEPTEMBER, 2014 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

UNDERGROUND UTILITIES WERE LOCATED BASED ON THE SURFACE EVIDENCE OF UTILITIES (PAINT MARKS, SAW CUTS IN PAVEMENT, COVERS, LIDS, ETC.). THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

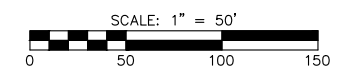
**GENERAL NOTE**

INGLEWOOD HILL ROAD RIGHT OF WAY WORK IS BASED ON RESEARCH OF PUBLIC RECORD INFORMATION.

| CURVE DATA TABLE |              |         |         |         |        |
|------------------|--------------|---------|---------|---------|--------|
| CURVE #          | P.I. STATION | DELTA   | RADIUS  | TANGENT | LENGTH |
| C1               | 11+25.87     | 37.6183 | 600.00  | 204.36  | 393.94 |
| C2               | 20+50.08     | 23.8576 | 1100.00 | 232.38  | 458.03 |
| C3               | 26+43.75     | 26.3587 | 1100.00 | 257.58  | 506.05 |



**KEY MAP**  
SCALE: 1"=1000'



4/20/16

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

PLOT DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drawings\CADD\Sheets\10-140008\_HC.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



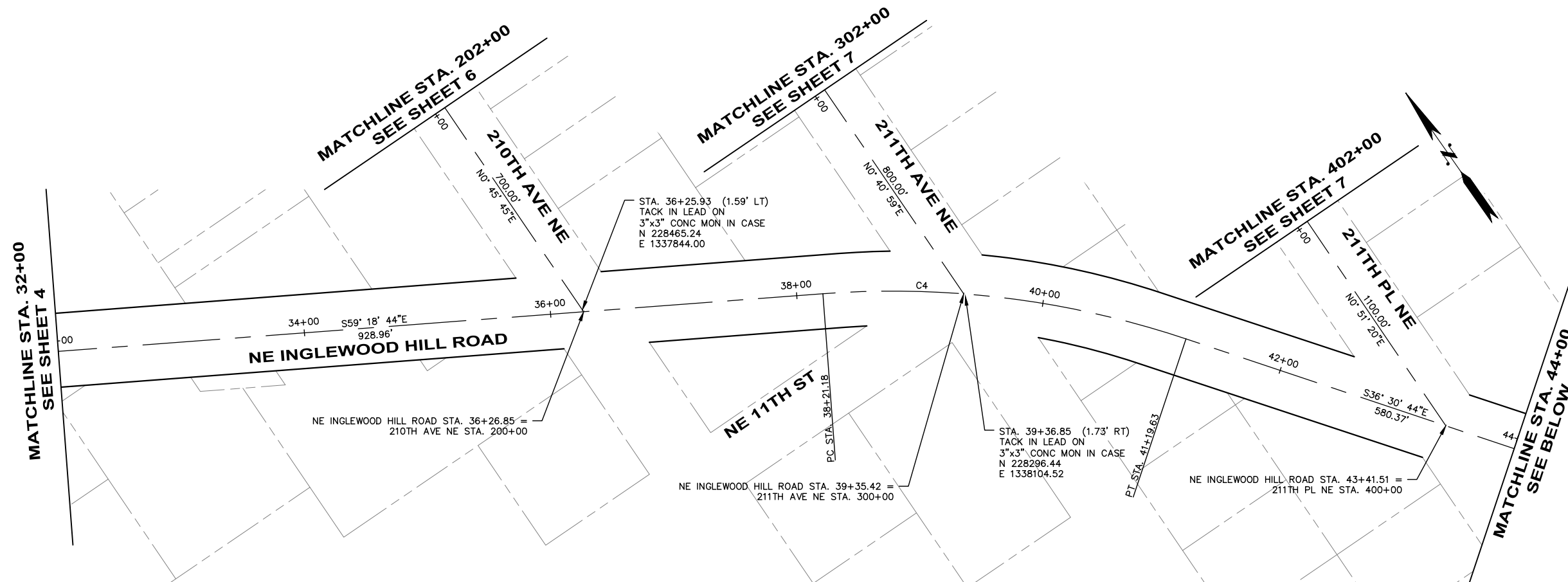
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**HORIZONTAL CONTROL**  
**INGLEWOOD HILL ROAD**

**10-14008**  
OCI PROJECT NO.  
4 OF 89  
SHEET OF





**NOTES**

PRIMARY CONTROL POINTS AND ACCESSIBLE MONUMENT POSITIONS WERE FIELD MEASURED UTILIZING GLOBAL POSITIONING SYSTEM (GPS) SURVEY TECHNIQUES USING LEICA SYSTEM 1200 EQUIPMENT. MONUMENT POSITIONS THAT WERE NOT DIRECTLY OBSERVED USING GPS SURVEY TECHNIQUES WERE TIED INTO THE CONTROL POINTS UTILIZING LEICA ELECTRONIC 1103 TOTAL STATIONS FOR THE MEASUREMENT OF BOTH ANGLES AND DISTANCES. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS SET BY WACS 332-130-080/090.

EVIDENCE OF OCCUPATION OF LAND (FOR EXAMPLE: FENCES, STRUCTURES, PAVING, GRAVELED SURFACES, ETC.) MAY NOT COINCIDE WITH THE DEEDED BOUNDARY LINES AS SHOWN ON THIS DRAWING. THERE ARE AREAS ON THIS SURVEY APPEARING TO HAVE DISCREPANCIES BETWEEN THE DEEDED BOUNDARY LINES AND CERTAIN EVIDENCE OF OCCUPATION. WHERE DISCREPANCIES EXIST AXIS RECOMMENDS THAT THE OWNER OR POTENTIAL PURCHASER CONSULT WITH LEGAL COUNSEL TO DETERMINE HOW BEST TO INTERPRET THEIR PROPERTY RIGHTS AND ADDRESS ANY POTENTIAL BOUNDARY DISPUTES.

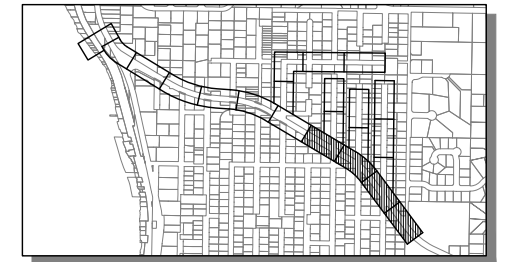
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON JUNE - SEPTEMBER, 2014 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

UNDERGROUND UTILITIES WERE LOCATED BASED ON THE SURFACE EVIDENCE OF UTILITIES (PAINT MARKS, SAW CUTS IN PAVEMENT, COVERS, LIDS, ETC.). THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

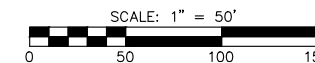
**GENERAL NOTE**

INGLEWOOD HILL ROAD RIGHT OF WAY WORK IS BASED ON RESEARCH OF PUBLIC RECORD INFORMATION.

| CURVE DATA TABLE |              |         |        |         |        |
|------------------|--------------|---------|--------|---------|--------|
| CURVE #          | P.I. STATION | DELTA   | RADIUS | TANGENT | LENGTH |
| C4               | 39+72.40     | 22.7999 | 750.00 | 151.23  | 298.45 |



**KEY MAP**  
SCALE: 1"=1000'



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_H.C.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

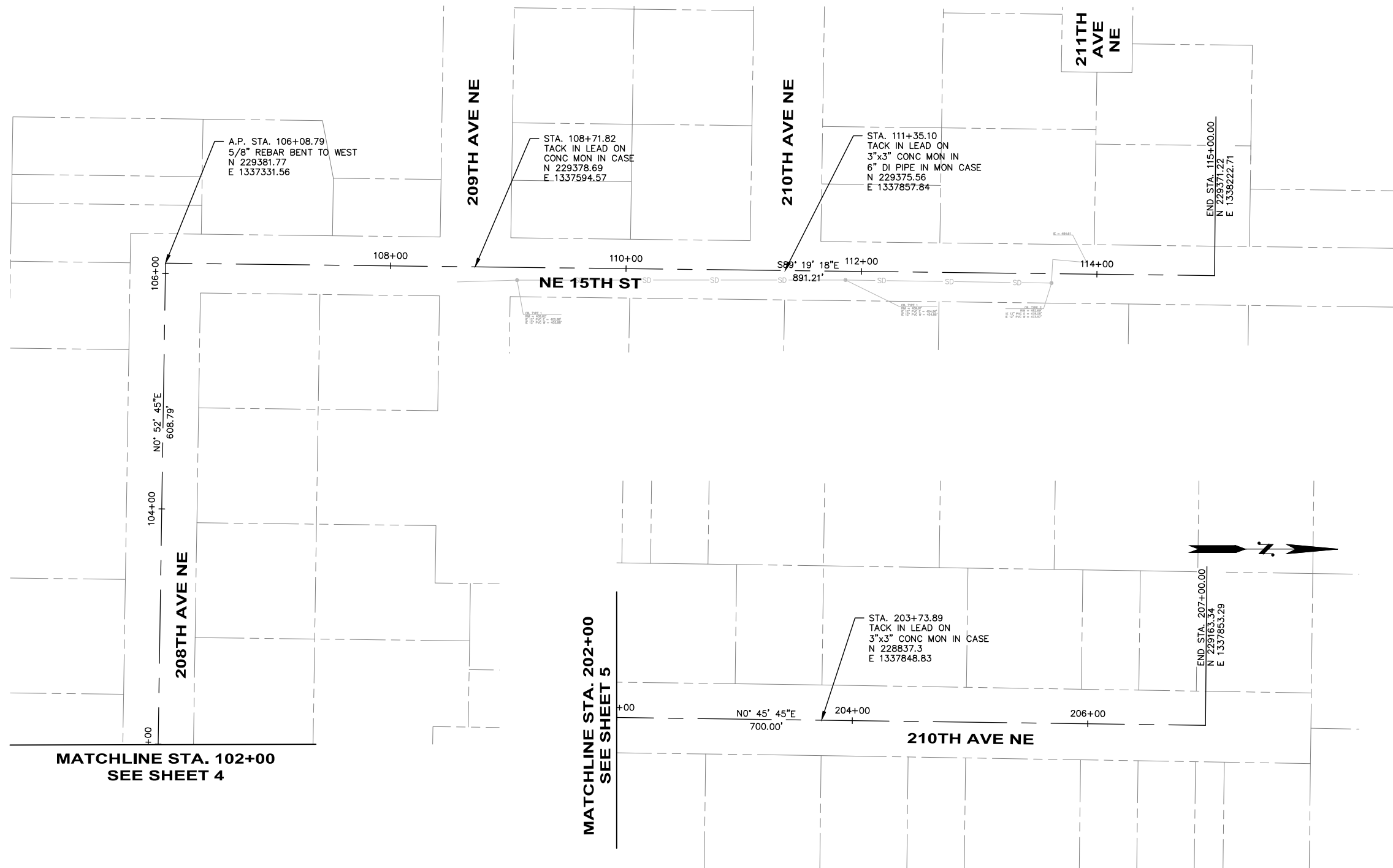


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**HORIZONTAL CONTROL**  
**INGLEWOOD HILL ROAD**

**10-140008**  
OCI PROJECT NO.  
5 89  
SHEET OF



**NOTES**

PRIMARY CONTROL POINTS AND ACCESSIBLE MONUMENT POSITIONS WERE FIELD MEASURED UTILIZING GLOBAL POSITIONING SYSTEM (GPS) SURVEY TECHNIQUES USING LEICA SYSTEM 1200 EQUIPMENT. MONUMENT POSITIONS THAT WERE NOT DIRECTLY OBSERVED USING GPS SURVEY TECHNIQUES WERE TIED INTO THE CONTROL POINTS UTILIZING LEICA ELECTRONIC 1103 TOTAL STATIONS FOR THE MEASUREMENT OF BOTH ANGLES AND DISTANCES. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS SET BY WACS 332-130-080/090.

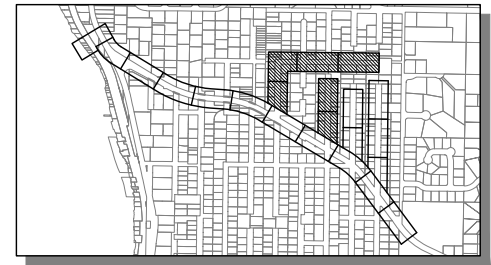
EVIDENCE OF OCCUPATION OF LAND (FOR EXAMPLE: FENCES, STRUCTURES, PAVING, GRAVELED SURFACES, ETC.) MAY NOT COINCIDE WITH THE DEEDED BOUNDARY LINES AS SHOWN ON THIS DRAWING. THERE ARE AREAS ON THIS SURVEY APPEARING TO HAVE DISCREPANCIES BETWEEN THE DEEDED BOUNDARY LINES AND CERTAIN EVIDENCE OF OCCUPATION. WHERE DISCREPANCIES EXIST THIS SURVEY RECOMMENDS THAT THE OWNER OR POTENTIAL PURCHASER CONSULT WITH LEGAL COUNSEL TO DETERMINE HOW BEST TO INTERPRET THEIR PROPERTY RIGHTS AND ADDRESS ANY POTENTIAL BOUNDARY DISPUTES.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON JUNE - SEPTEMBER, 2014 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

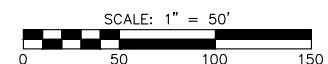
UNDERGROUND UTILITIES WERE LOCATED BASED ON THE SURFACE EVIDENCE OF UTILITIES (PAINT MARKS, SAW CUTS IN PAVEMENT, COVERS, LIDS, ETC.). THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

**GENERAL NOTE**

INGLEWOOD HILL ROAD RIGHT OF WAY WORK IS BASED ON RESEARCH OF PUBLIC RECORD INFORMATION.



**KEY MAP**  
SCALE: 1"=1000'



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_HC.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



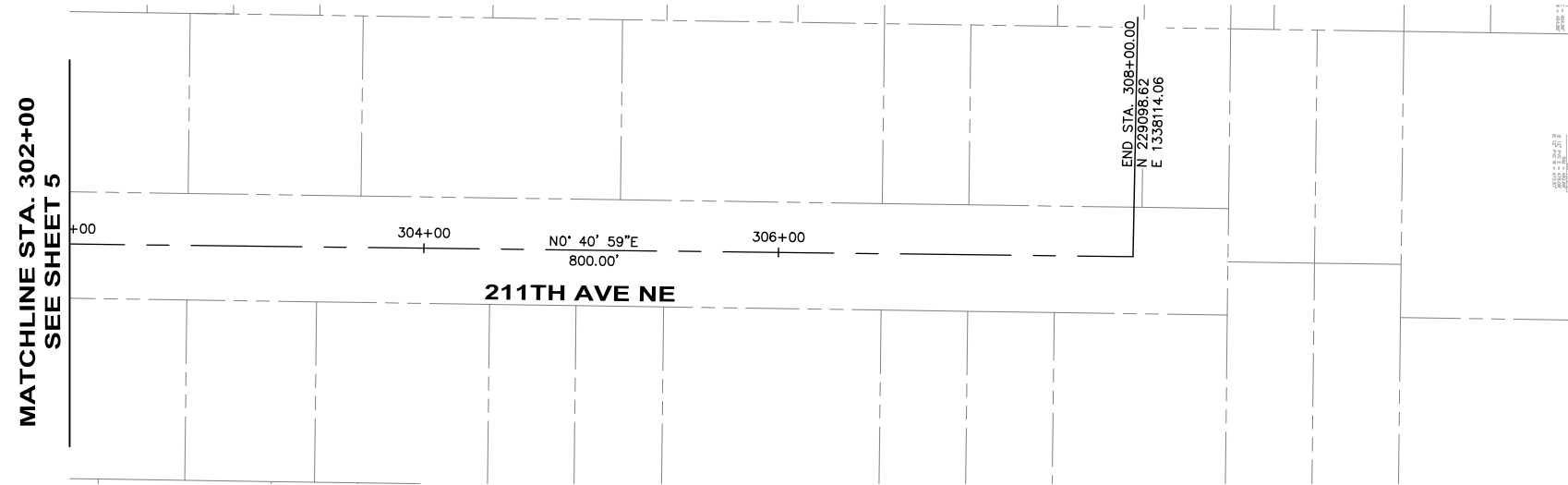
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**HORIZONTAL CONTROL**  
**208TH AVE NE - 210TH AVE NE**

**10-14008**  
OCI PROJECT NO.  
6 89  
SHEET OF





**NOTES**

PRIMARY CONTROL POINTS AND ACCESSIBLE MONUMENT POSITIONS WERE FIELD MEASURED UTILIZING GLOBAL POSITIONING SYSTEM (GPS) SURVEY TECHNIQUES USING LEICA SYSTEM 1200 EQUIPMENT. MONUMENT POSITIONS THAT WERE NOT DIRECTLY OBSERVED USING GPS SURVEY TECHNIQUES WERE TIED INTO THE CONTROL POINTS UTILIZING LEICA ELECTRONIC 1103 TOTAL STATIONS FOR THE MEASUREMENT OF BOTH ANGLES AND DISTANCES. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS SET BY WACS 332-130-080/090.

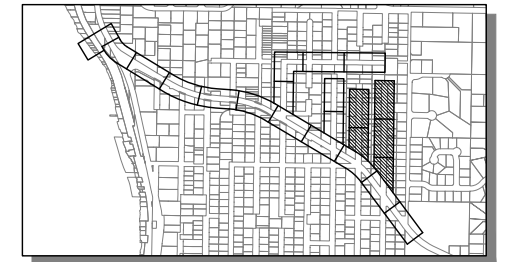
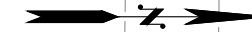
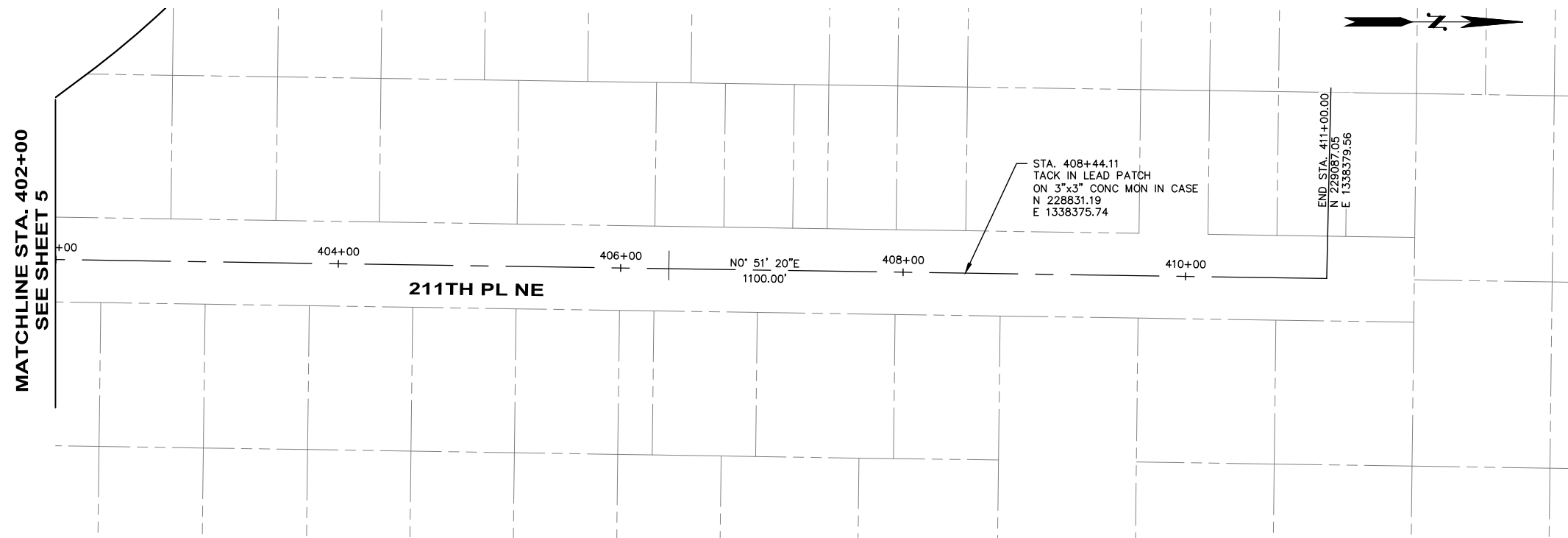
EVIDENCE OF OCCUPATION OF LAND (FOR EXAMPLE: FENCES, STRUCTURES, PAVING, GRAVELED SURFACES, ETC.) MAY NOT COINCIDE WITH THE DEEDED BOUNDARY LINES AS SHOWN ON THIS DRAWING. THERE ARE AREAS ON THIS SURVEY APPEARING TO HAVE DISCREPANCIES BETWEEN THE DEEDED BOUNDARY LINES AND CERTAIN EVIDENCE OF OCCUPATION. WHERE DISCREPANCIES EXIST THIS RECOMMENDS THAT THE OWNER OR POTENTIAL PURCHASER CONSULT WITH LEGAL COUNSEL TO DETERMINE HOW BEST TO INTERPRET THEIR PROPERTY RIGHTS AND ADDRESS ANY POTENTIAL BOUNDARY DISPUTES.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON JUNE - SEPTEMBER, 2014 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

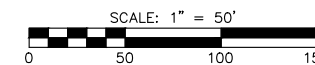
UNDERGROUND UTILITIES WERE LOCATED BASED ON THE SURFACE EVIDENCE OF UTILITIES (PAINT MARKS, SAW CUTS IN PAVEMENT, COVERS, LIDS, ETC.). THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

**GENERAL NOTE**

INGLEWOOD HILL ROAD RIGHT OF WAY WORK IS BASED ON RESEARCH OF PUBLIC RECORD INFORMATION.



**KEY MAP**  
SCALE: 1"=1000'



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_HC.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

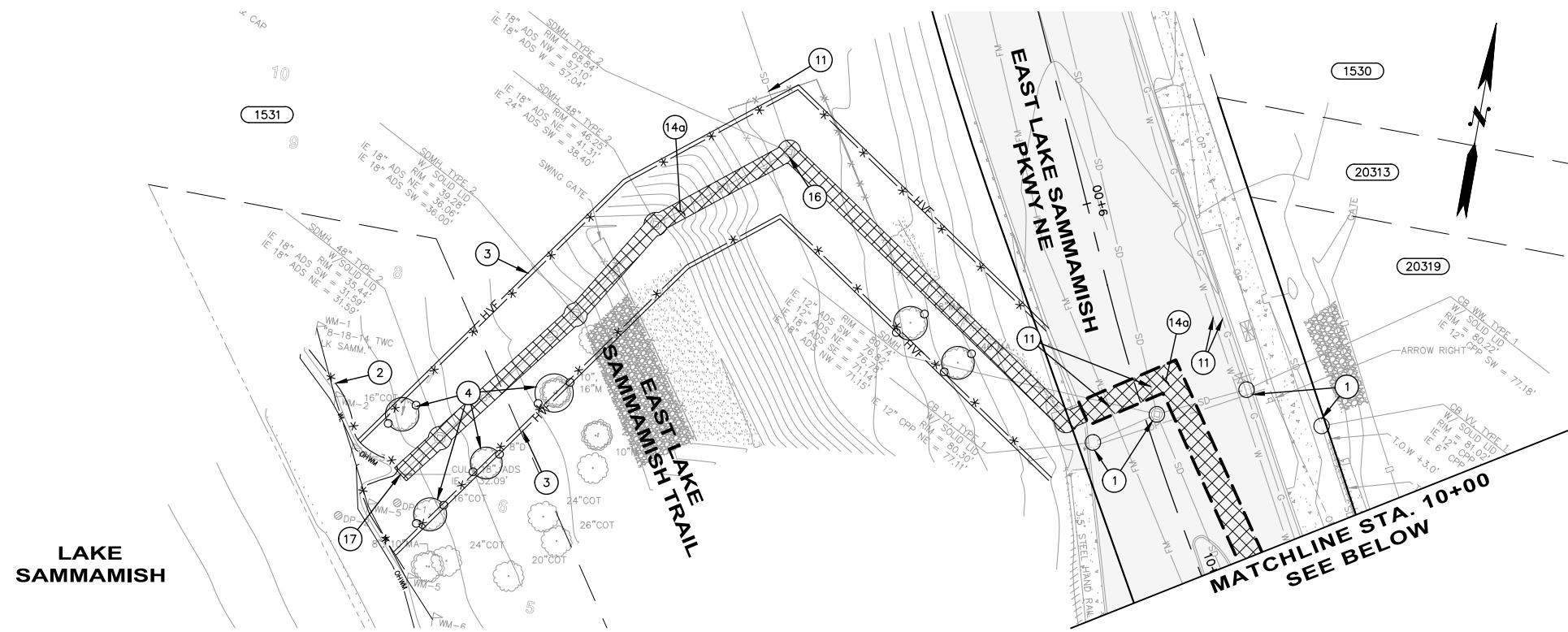


**OSBORN CONSULTING INCORPORATED**  
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

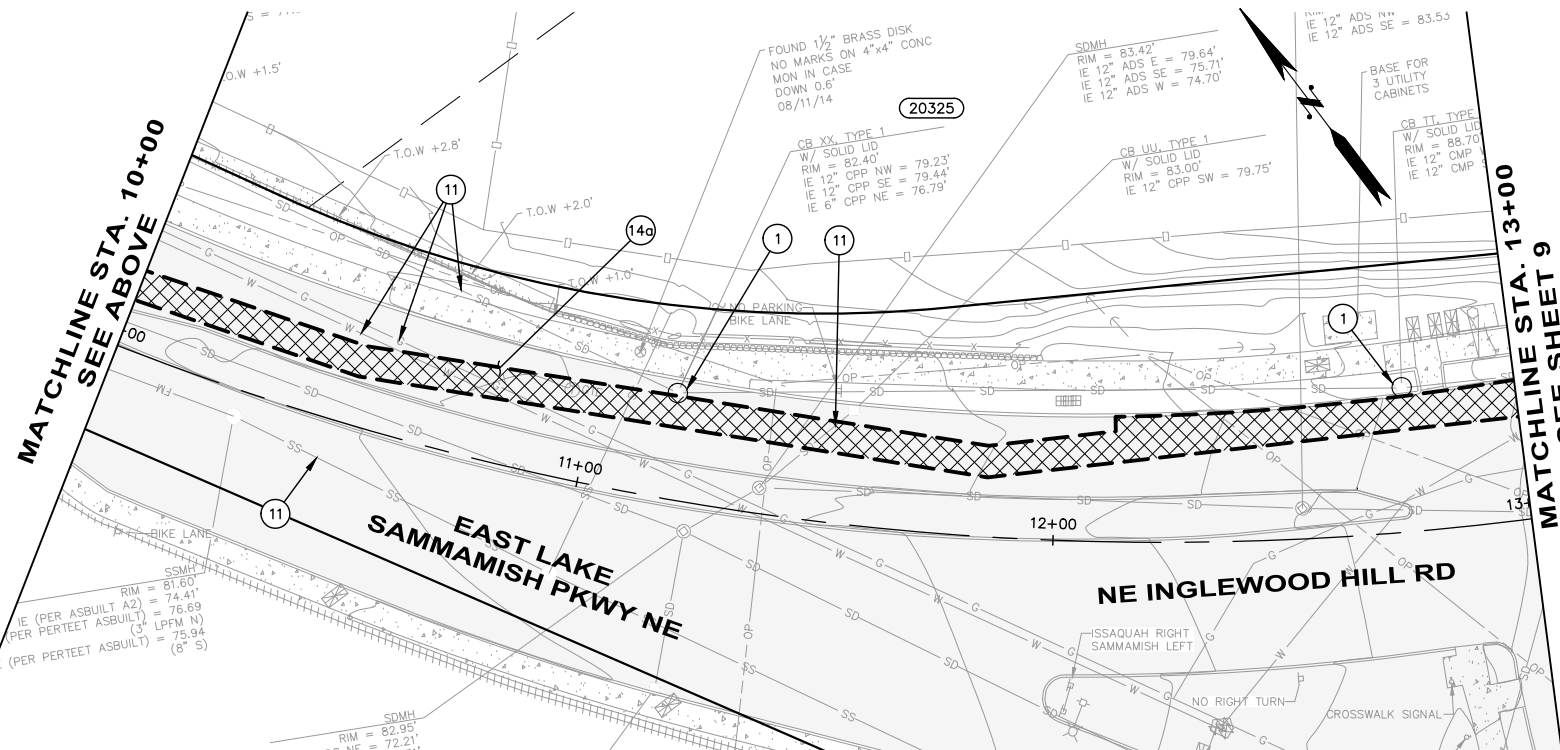
DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**HORIZONTAL CONTROL**  
**211TH AVE NE - 211TH PL NE**

**10-14008**  
 OCI PROJECT NO.  
 7 89  
 SHEET OF



LAKE SAMMAMISH

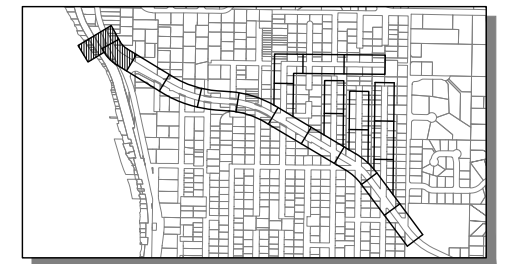


**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN 1-40.20-00.
2. SILT FENCE PER WSDOT STANDARD PLAN 1-30.15-02.
3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN 1-10.10-01.
4. TREE PROTECTION PER DETAIL ON SHEET 13.
5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - a. Water
  - b. Power
  - c. Gas
  - d. Sewer
6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - a. Drainage Structures or Pipes
  - b. Pavement
  - c. Curbs and Gutters
  - d. Rockery
8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
11. PROTECT-IN-PLACE EXISTING UTILITY
12. REMOVE EXISTING TREE.
13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - a. See schedule A.
  - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
19. UTILITY ADJUSTMENT BY SCHEDULE C.
20. PROTECT-IN-PLACE EXISTING FENCE.



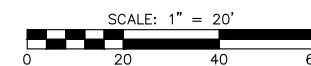
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



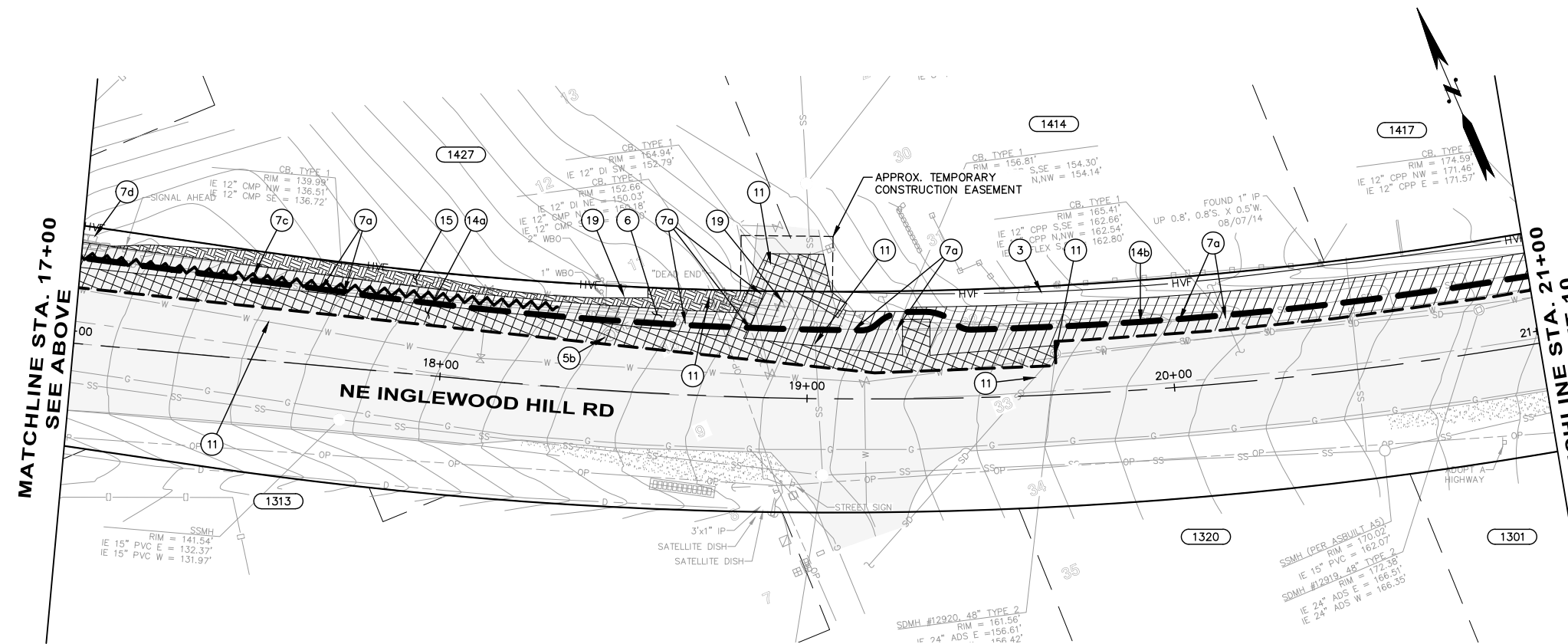
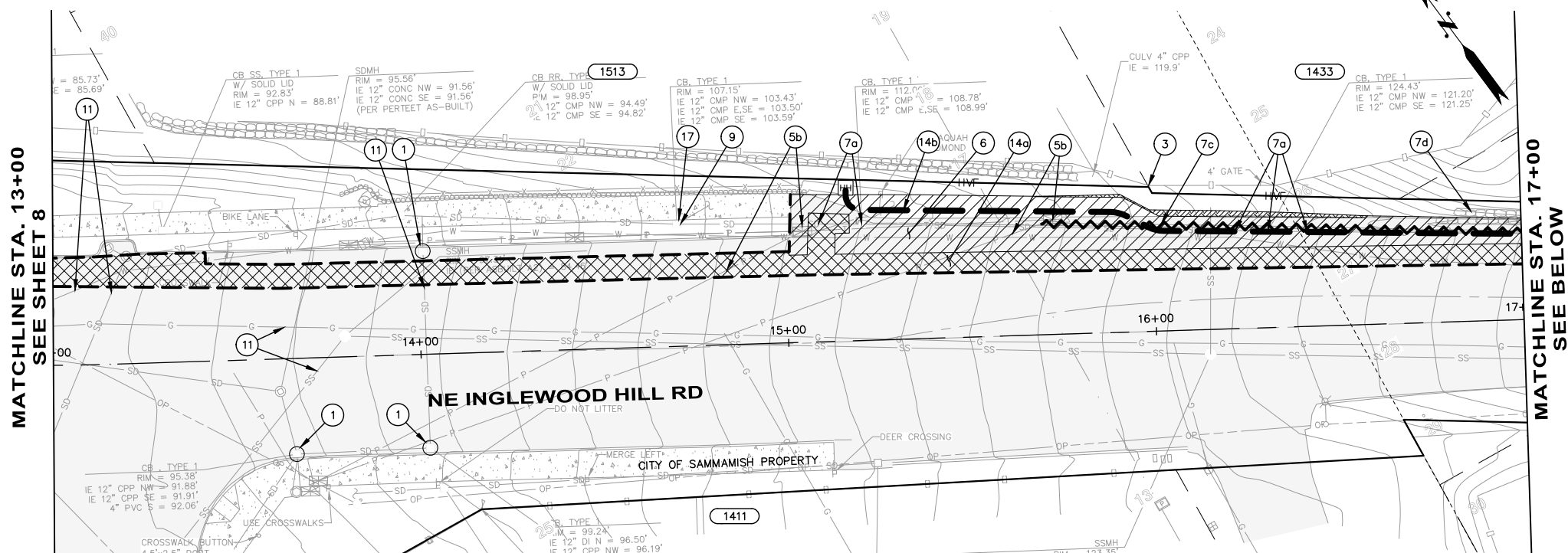
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**BEGINNING TO STA. 13+00**

**10-14008**  
OCI PROJECT NO.  
8 89  
SHEET OF



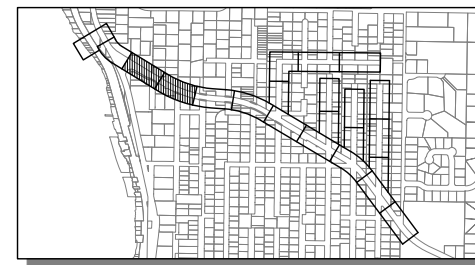


**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20-00.
2. SILT FENCE PER WSDOT STANDARD PLAN I-30.15-02.
3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN I-10.10-01.
4. TREE PROTECTION PER DETAIL ON SHEET 13.
5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - a. Water
  - b. Power
  - c. Gas
  - d. Sewer
6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - a. Drainage Structures or Pipes
  - b. Pavement
  - c. Curbs and Gutters
  - d. Rockery
8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
11. PROTECT-IN-PLACE EXISTING UTILITY
12. REMOVE EXISTING TREE.
13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - a. See schedule A.
  - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
19. UTILITY ADJUSTMENT BY SCHEDULE C.
20. PROTECT-IN-PLACE EXISTING FENCE.



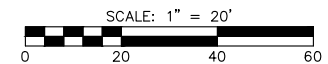
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOT DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

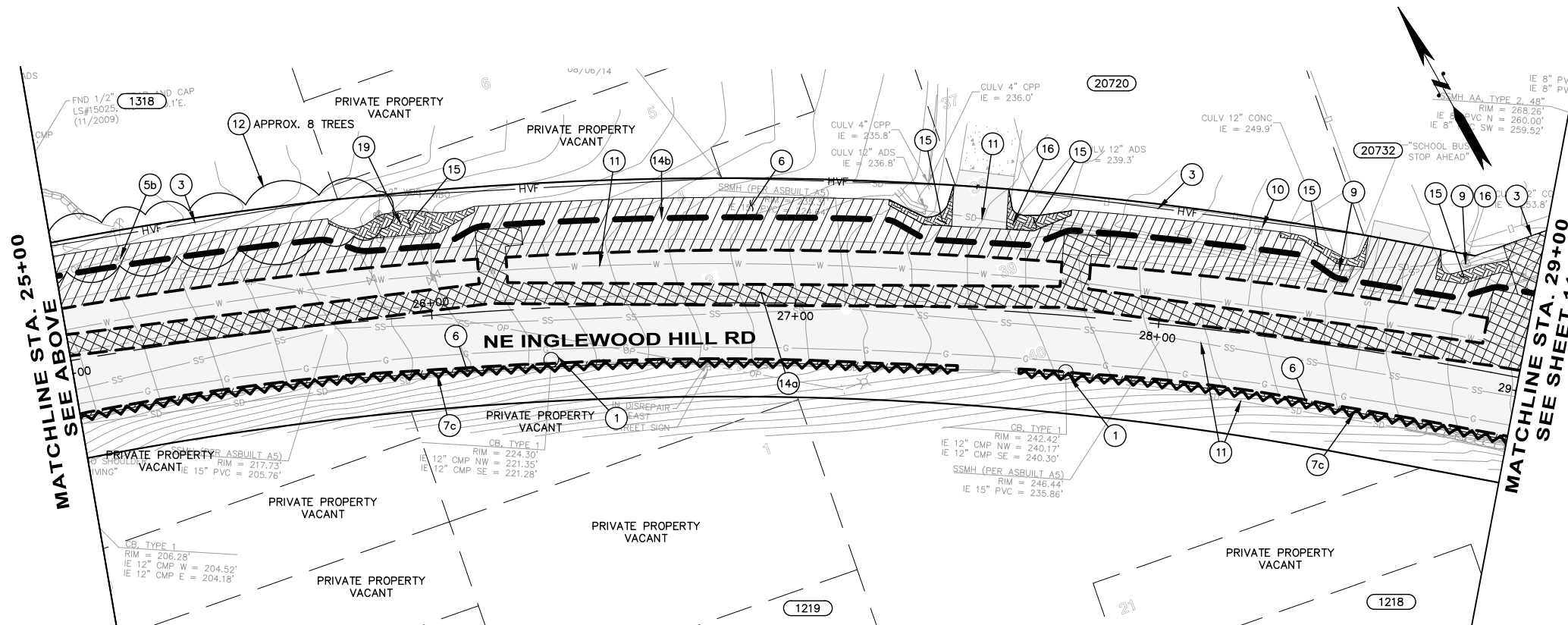
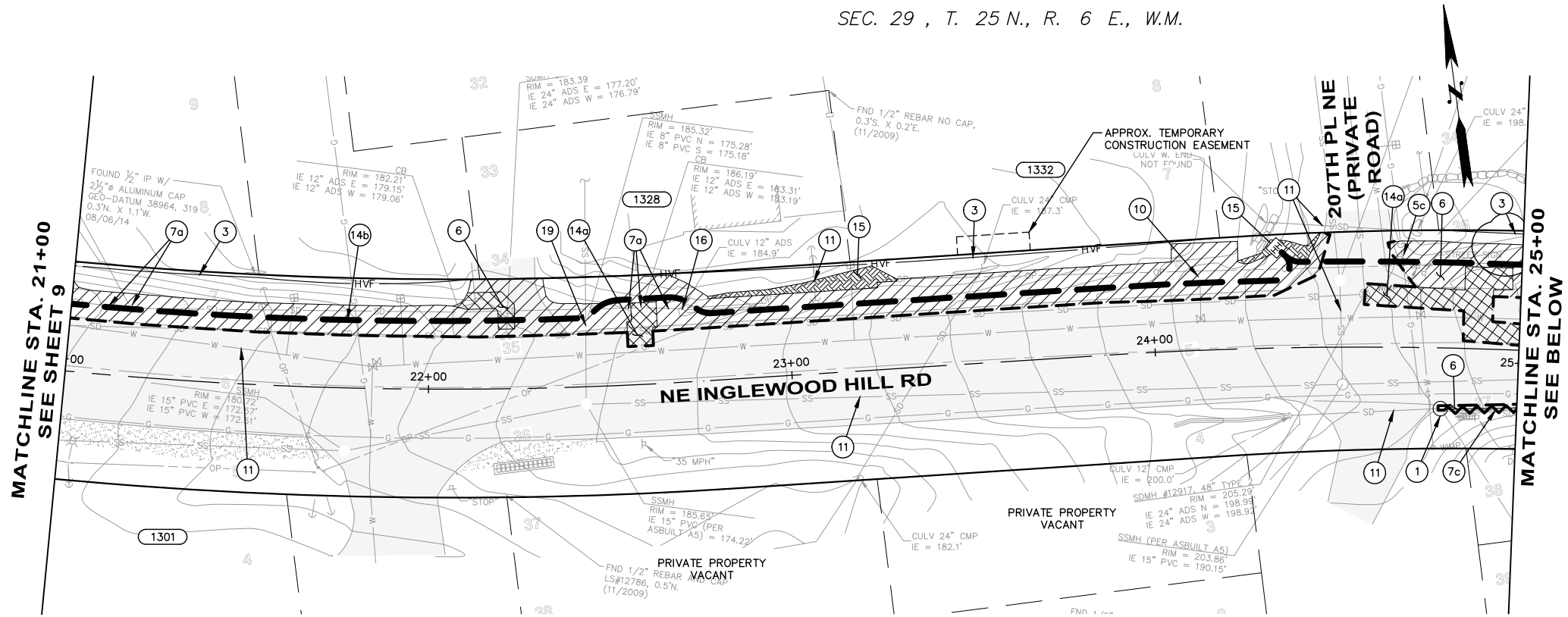


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 13+00 TO STA. 21+00**

**10-140008**  
OCI PROJECT NO.  
9 89  
SHEET OF

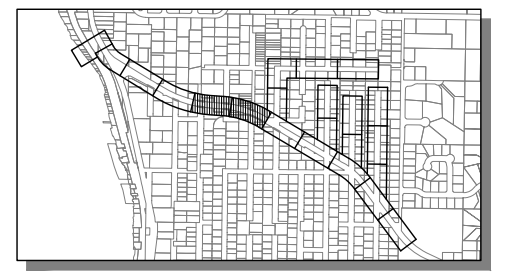


**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN 1-40.20-00.
2. SILT FENCE PER WSDOT STANDARD PLAN 1-30.15-02.
3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN 1-10.10-01.
4. TREE PROTECTION PER DETAIL ON SHEET 13.
5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - a. Water
  - b. Power
  - c. Gas
  - d. Sewer
6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - a. Drainage Structures or Pipes
  - b. Pavement
  - c. Curbs and Gutters
  - d. Rockery
8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
11. PROTECT-IN-PLACE EXISTING UTILITY
12. REMOVE EXISTING TREE.
13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - a. See schedule A.
  - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
19. UTILITY ADJUSTMENT BY SCHEDULE C.
20. PROTECT-IN-PLACE EXISTING FENCE.



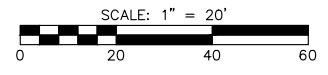
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3\_CADD\Sheets\10-140008\_TESC01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



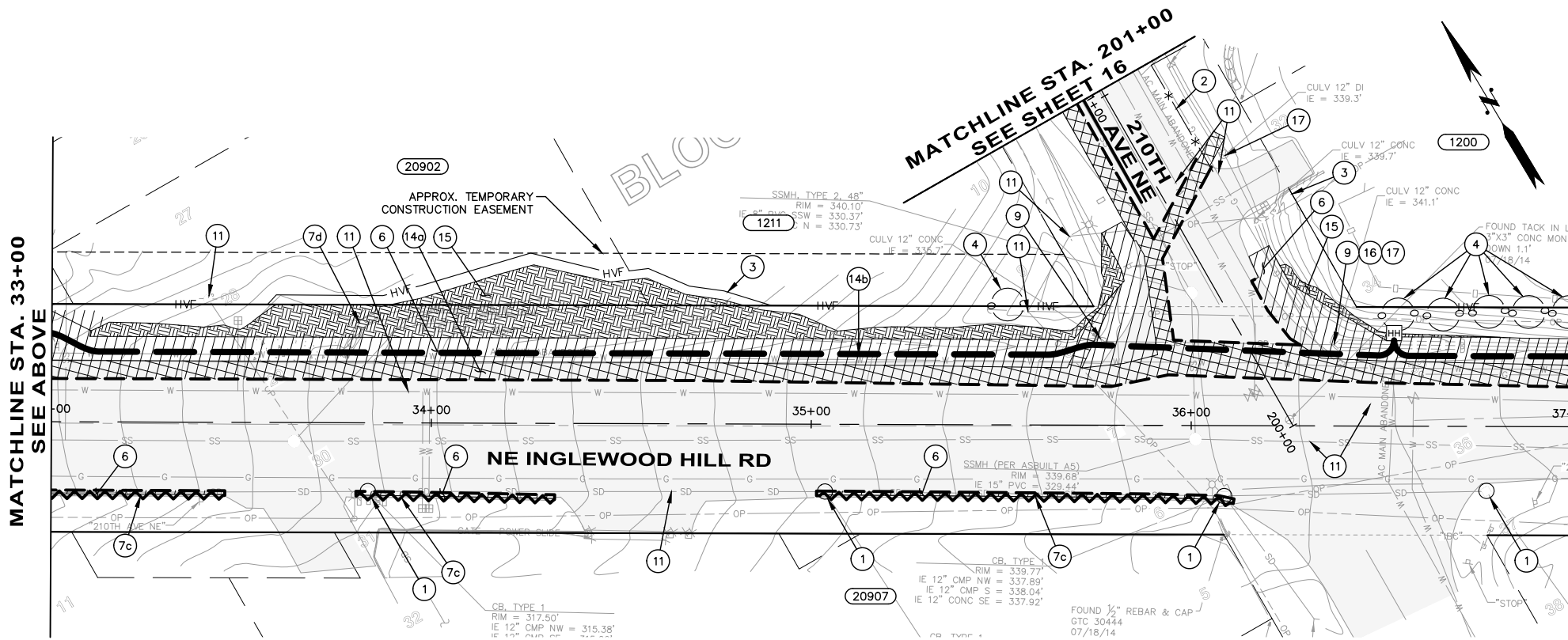
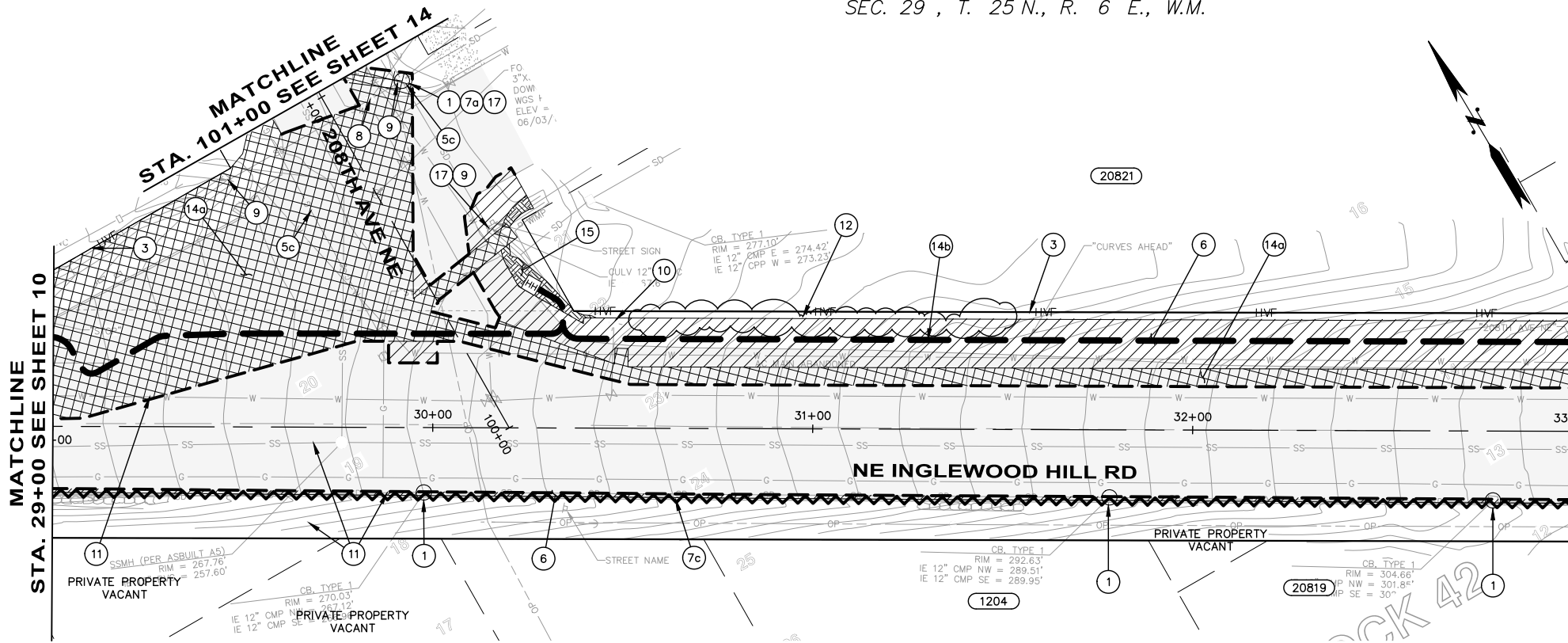
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 21+00 TO STA. 29+00**

|                                     |    |
|-------------------------------------|----|
| <b>10-140008</b><br>OCI PROJECT NO. |    |
| 10                                  | 89 |
| SHEET                               | OF |



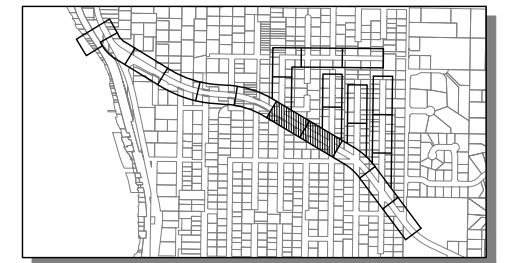


**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN 1-40.20-00.
2. SILT FENCE PER WSDOT STANDARD PLAN 1-30.15-02.
3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN 1-10.10-01.
4. TREE PROTECTION PER DETAIL ON SHEET 13.
5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - a. Water
  - b. Power
  - c. Gas
  - d. Sewer
6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - a. Drainage Structures or Pipes
  - b. Pavement
  - c. Curbs and Gutters
  - d. Rockery
8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
11. PROTECT-IN-PLACE EXISTING UTILITY
12. REMOVE EXISTING TREE.
13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - a. See schedule A.
  - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
19. UTILITY ADJUSTMENT BY SCHEDULE C.
20. PROTECT-IN-PLACE EXISTING FENCE.



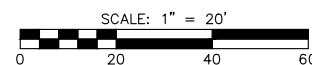
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_TESC01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

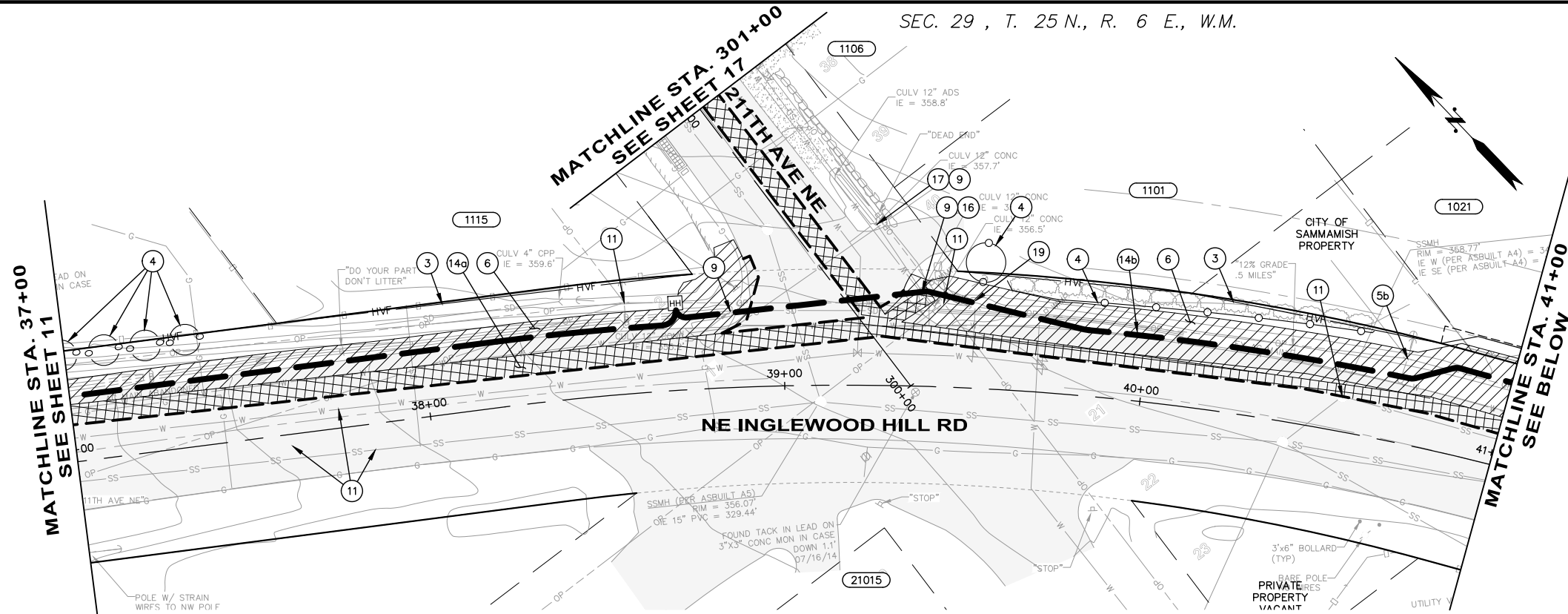


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 29+00 TO STA. 37+00**

**10-140008**  
OCI PROJECT NO.  
11 89  
SHEET OF

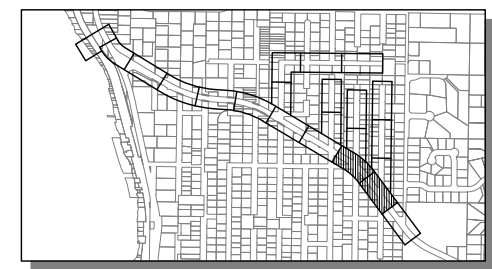
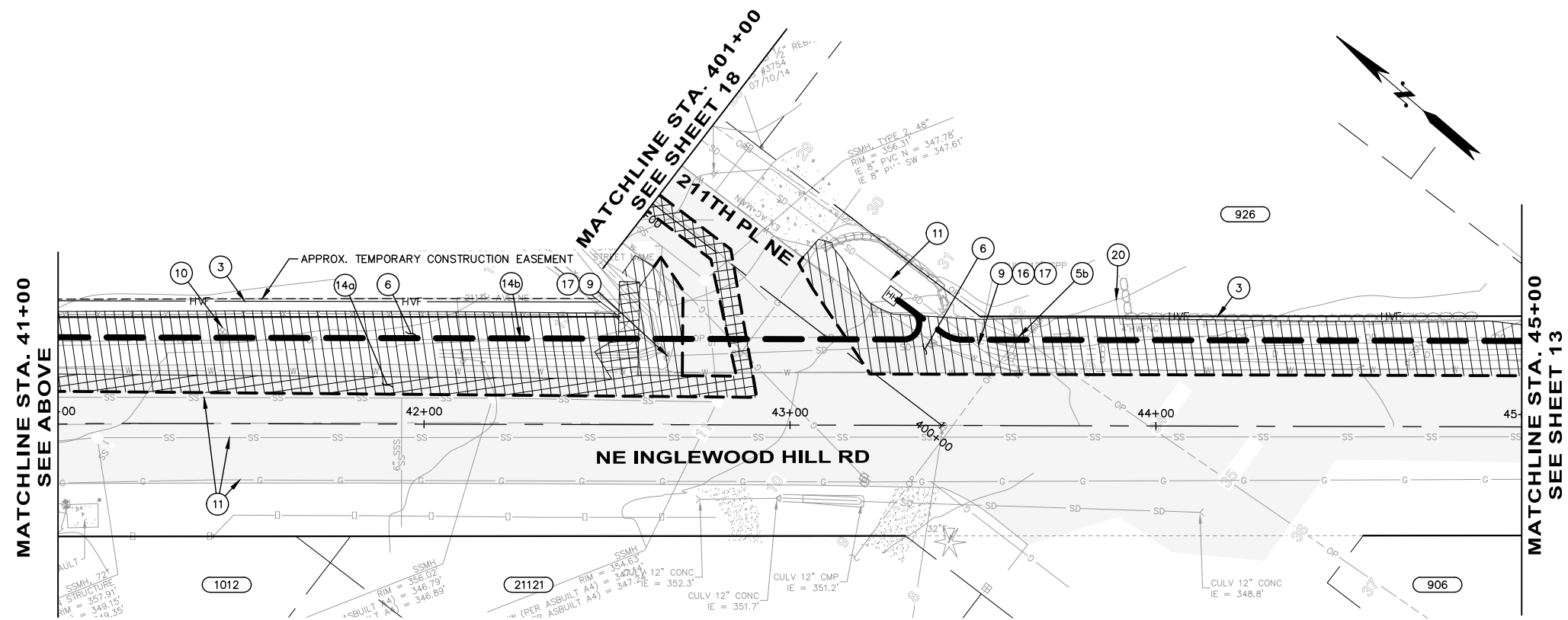


**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN 1-40.20-00.
2. SILT FENCE PER WSDOT STANDARD PLAN 1-30.15-02.
3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN 1-10.10-01.
4. TREE PROTECTION PER DETAIL ON SHEET 13.
5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - a. Water
  - b. Power
  - c. Gas
  - d. Sewer
6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - a. Drainage Structures or Pipes
  - b. Pavement
  - c. Curbs and Gutters
  - d. Rockery
8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
11. PROTECT-IN-PLACE EXISTING UTILITY
12. REMOVE EXISTING TREE.
13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - a. See schedule A.
  - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
19. UTILITY ADJUSTMENT BY SCHEDULE C.
20. PROTECT-IN-PLACE EXISTING FENCE.



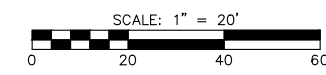
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



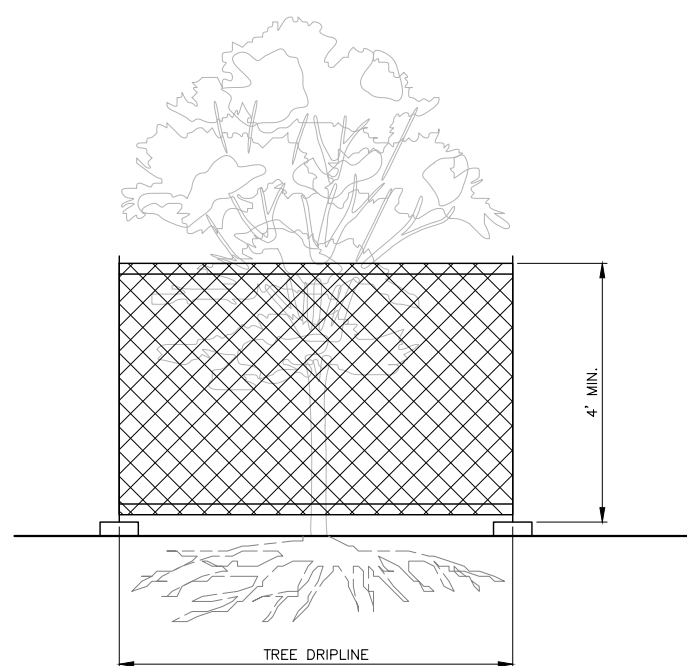
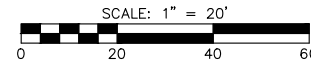
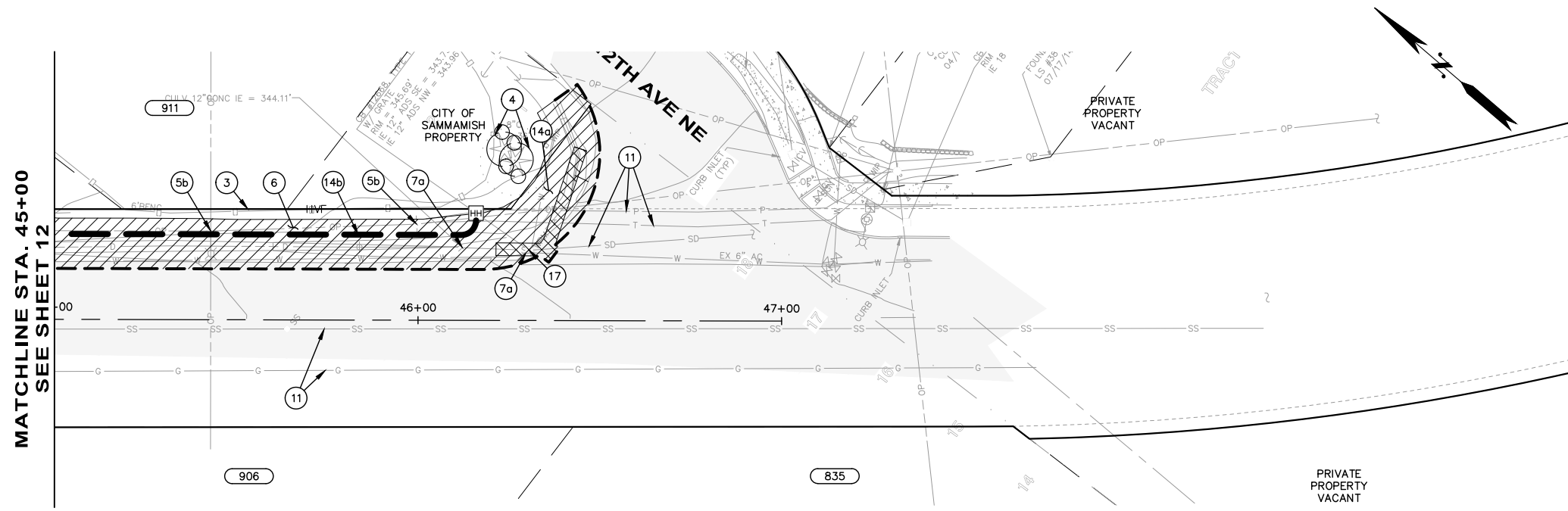
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 37+00 TO STA. 45+00**

**10-140008**  
OCI PROJECT NO.  
12 SHEET 89 OF





**NOTES:**

1. A MINIMUM 4-FT. HIGH TEMPORARY TREE PROTECTION BARRIER MADE OF CHAIN LINK FENCE, POLYETHYLENE LAMINAR SAFETY FENCING, OR SIMILAR MATERIAL SHALL BE PLACED AT LOCATIONS SHOWN ON THE TESC PLAN. INSTALL FENCE POSTS USING PIER BLOCKS ONLY EXCEPT WHERE SLOPE CONDITIONS WILL NOT ALLOW FOR STABLE INSTALLATION. AVOID DRIVING ANY POSTS OR STAKES INTO MAJOR ROOTS.
2. INSTALL TREE PROTECTION AREA SIGNS ON FENCED TREE PROTECTION AREAS.
3. FOR ROOTS OVER 1-IN DIA. THAT ARE DAMAGED DURING CONSTRUCTION, MAKE A CLEAN, STRAIGHT CUT TO REMOVE THE DAMAGED PORTION. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND SHALL BE COVERED WITH SOIL AS SOON AS POSSIBLE.
4. WORK WITHIN/BEHIND 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.

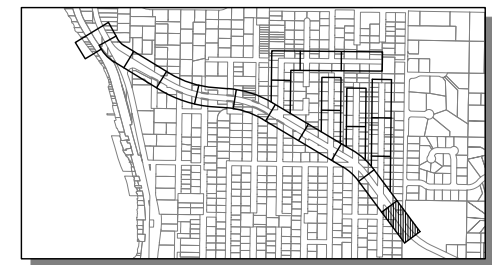
**TREE PROTECTION DETAIL**  
N.T.S.

**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN 1-40.20-00.
2. SILT FENCE PER WSDOT STANDARD PLAN 1-30.15-02.
3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN 1-10.10-01.
4. TREE PROTECTION PER DETAIL ON SHEET 13.
5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - a. Water
  - b. Power
  - c. Gas
  - d. Sewer
6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - a. Drainage Structures or Pipes
  - b. Pavement
  - c. Curbs and Gutters
  - d. Rockery
8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
11. PROTECT-IN-PLACE EXISTING UTILITY
12. REMOVE EXISTING TREE.
13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - a. See schedule A.
  - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
19. UTILITY ADJUSTMENT BY SCHEDULE C.
20. PROTECT-IN-PLACE EXISTING FENCE.



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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

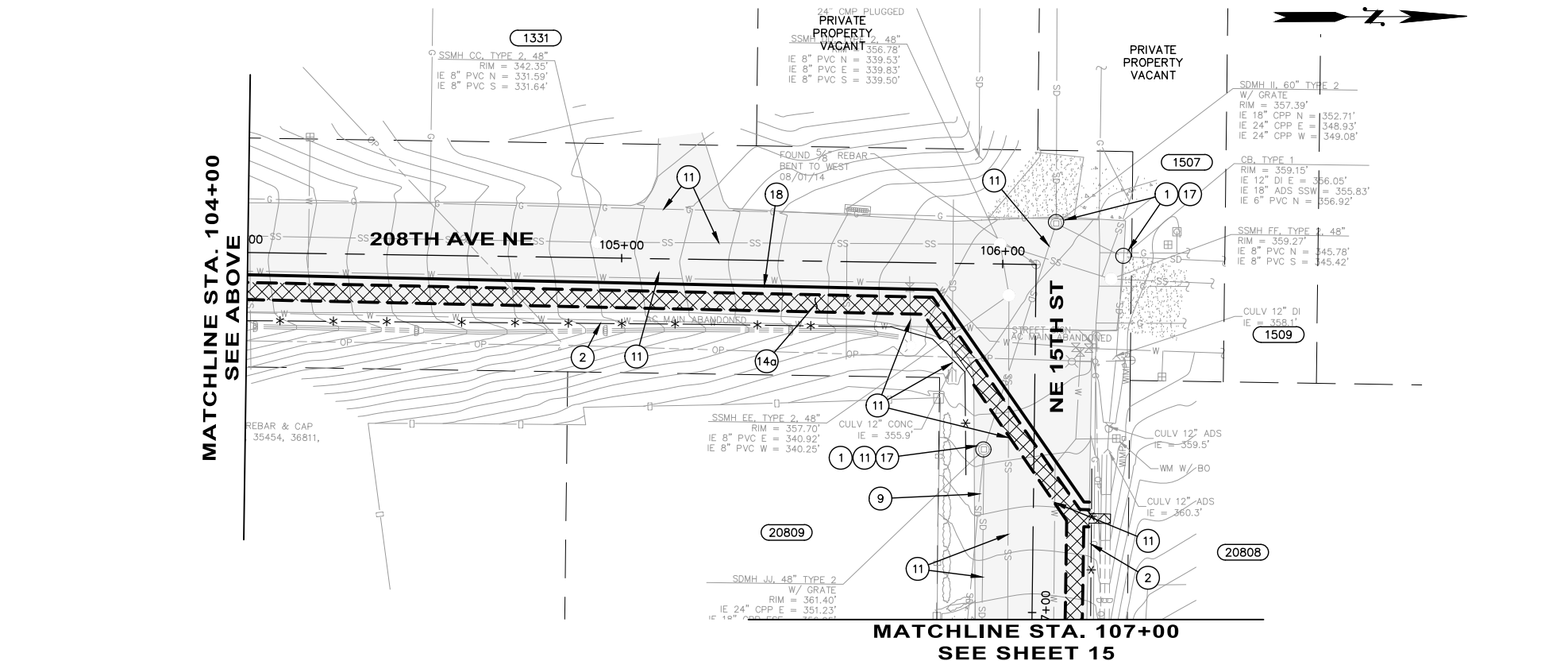
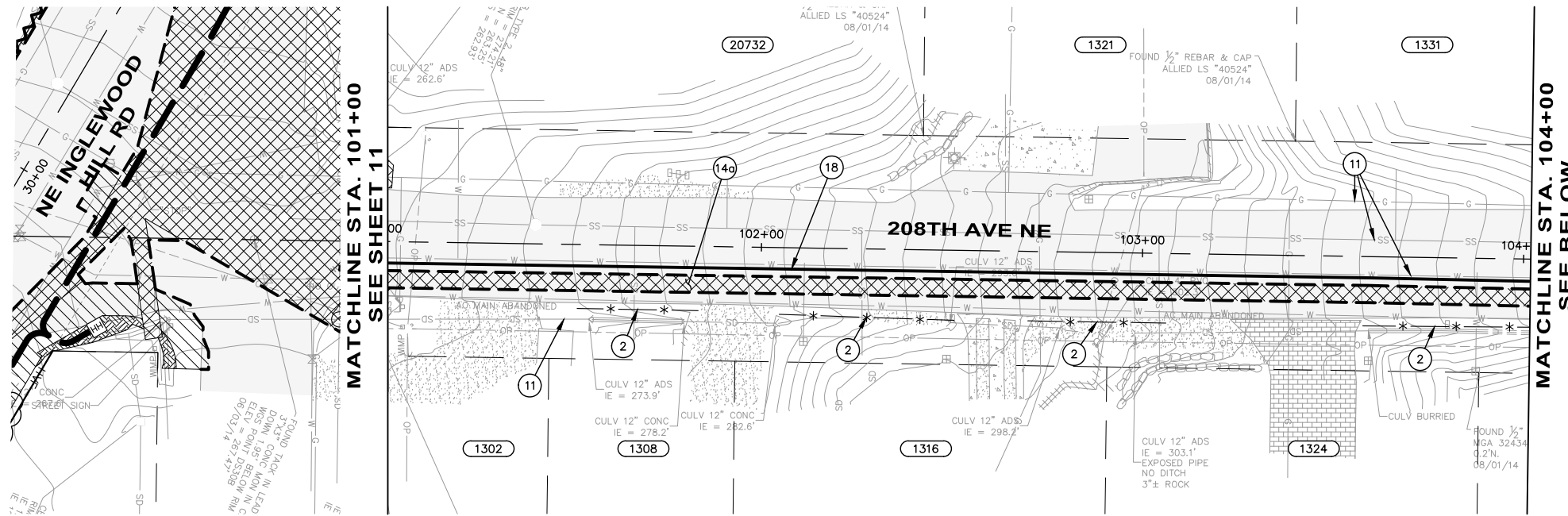


**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 45+00 TO STA. 47+00**

|                                     |          |
|-------------------------------------|----------|
| <b>10-140008</b><br>OCI PROJECT NO. |          |
| 13<br>SHEET                         | 89<br>OF |

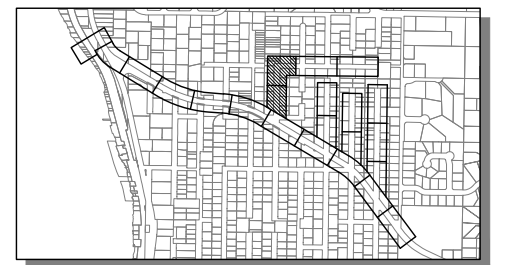


**GENERAL NOTES**

- PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
- ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
- PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

- STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN 1-40.20-00.
- SILT FENCE PER WSDOT STANDARD PLAN 1-30.15-02.
- HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN 1-10.10-01.
- TREE PROTECTION PER DETAIL ON SHEET 13.
- UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - Water
  - Power
  - Gas
  - Sewer
- ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
- REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - Drainage Structures or Pipes
  - Pavement
  - Curbs and Gutters
  - Rockery
- ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
- PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
- UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
- PROTECT-IN-PLACE EXISTING UTILITY
- REMOVE EXISTING TREE.
- RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
- STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - See schedule A.
  - See schedule B, refer to fiber optic plan sheets 20 - 24.
- CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
- BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
- POTENTIAL TESC TURBIDITY MONITORING LOCATION.
- TEMPORARY HMA BERM AS NEEDED FOR TESC.
- UTILITY ADJUSTMENT BY SCHEDULE C.
- PROTECT-IN-PLACE EXISTING FENCE.



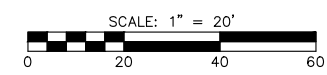
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 3/24/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_TESC02.dwg

| NO. | DATE      | BY  | CKD. | REVISION              |
|-----|-----------|-----|------|-----------------------|
| 1   | 3/21/2016 | TNF | LCR  | ADDENDUM #1 REVISIONS |



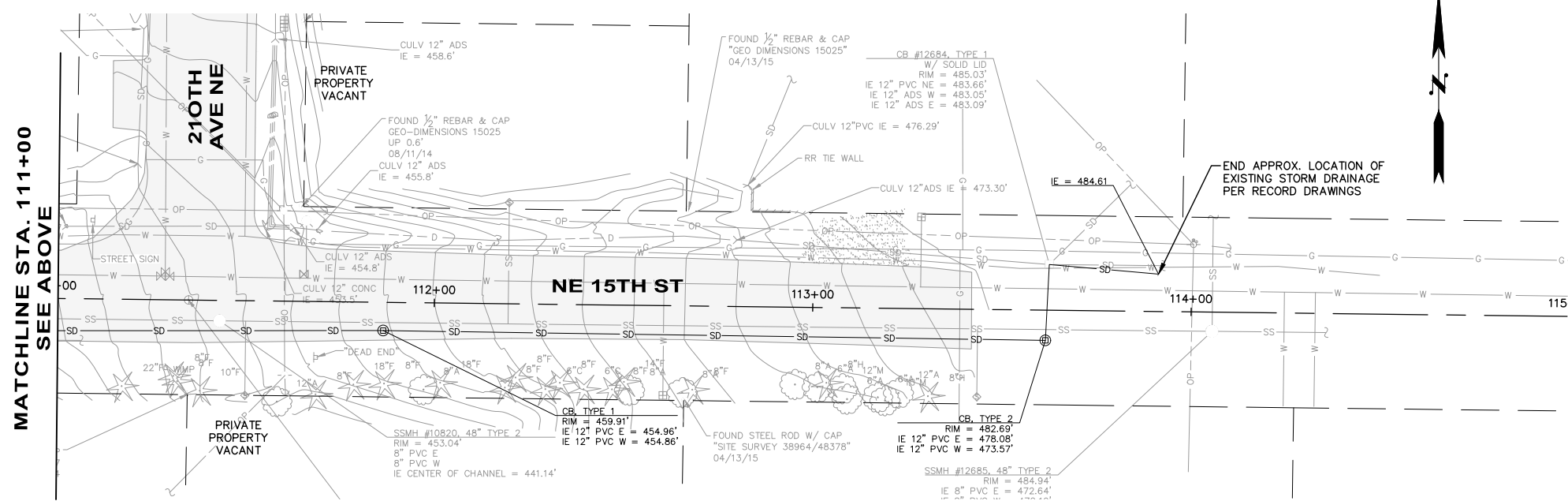
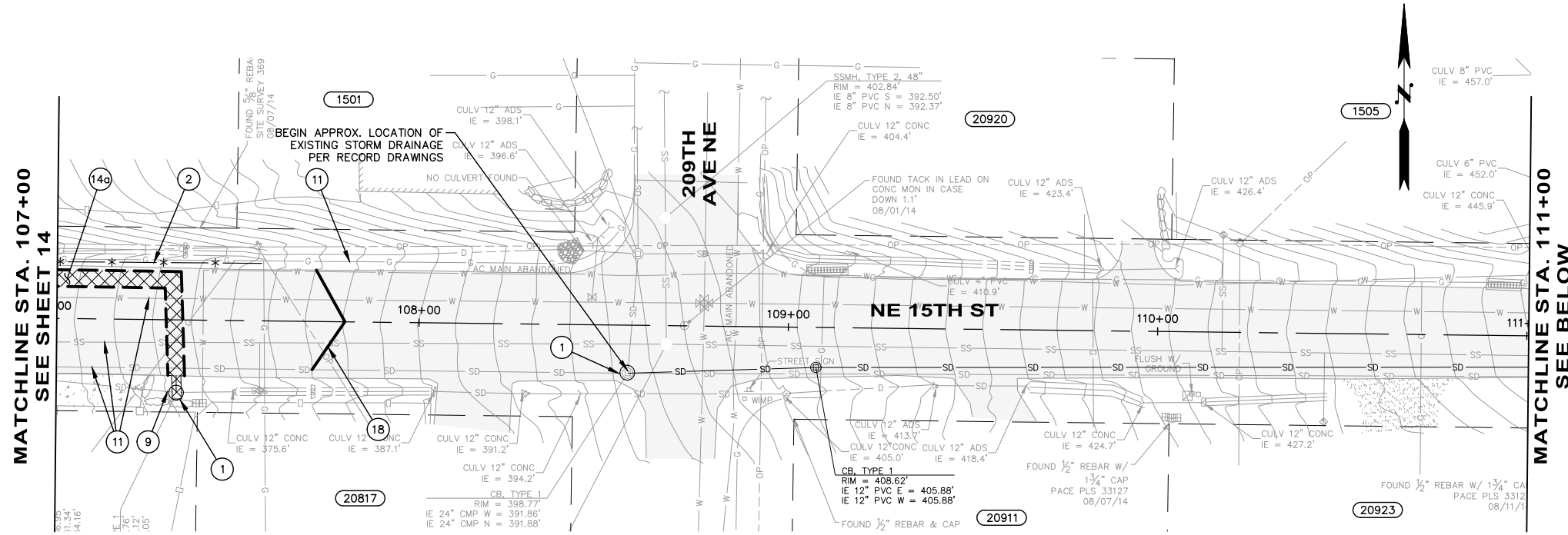
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 101+00 TO STA. 107+00**

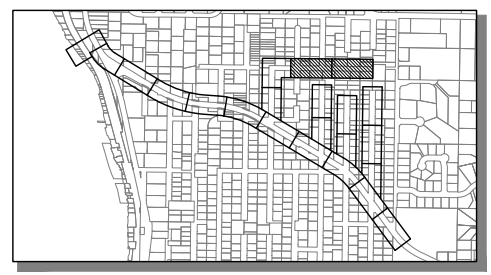
**10-140008**  
OCI PROJECT NO.  
14 89  
SHEET OF





**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
  2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
  3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.
- DEMOLITION AND TESC NOTES:**
1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20-00.
  2. SILT FENCE PER WSDOT STANDARD PLAN I-30.15-02.
  3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN I-10.10-01.
  4. TREE PROTECTION PER DETAIL ON SHEET 13.
  5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
    - a. Water
    - b. Power
    - c. Gas
    - d. Sewer
  6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
  7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
    - a. Drainage Structures or Pipes
    - b. Pavement
    - c. Curbs and Gutters
    - d. Rockery
  8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
  9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
  10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
  11. PROTECT-IN-PLACE EXISTING UTILITY
  12. REMOVE EXISTING TREE.
  13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
  14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
    - a. See schedule A.
    - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
  15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
  16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
  17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
  18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
  19. UTILITY ADJUSTMENT BY SCHEDULE C.
  20. PROTECT-IN-PLACE EXISTING FENCE.



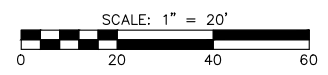
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 3/24/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC02.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

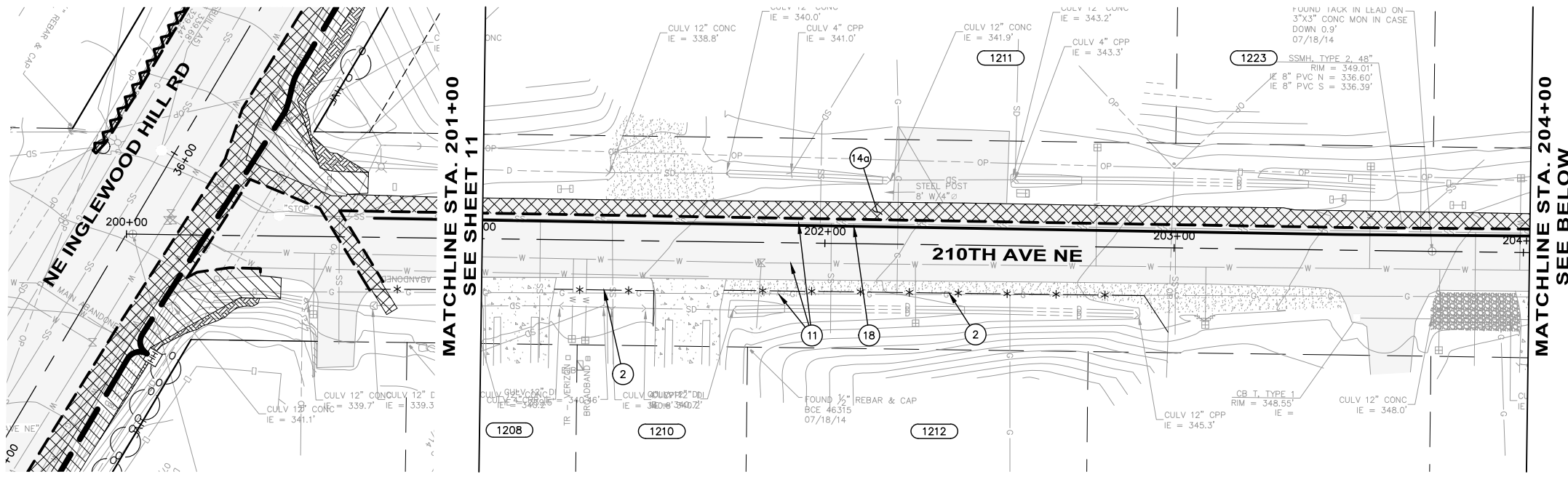
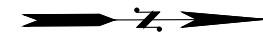


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

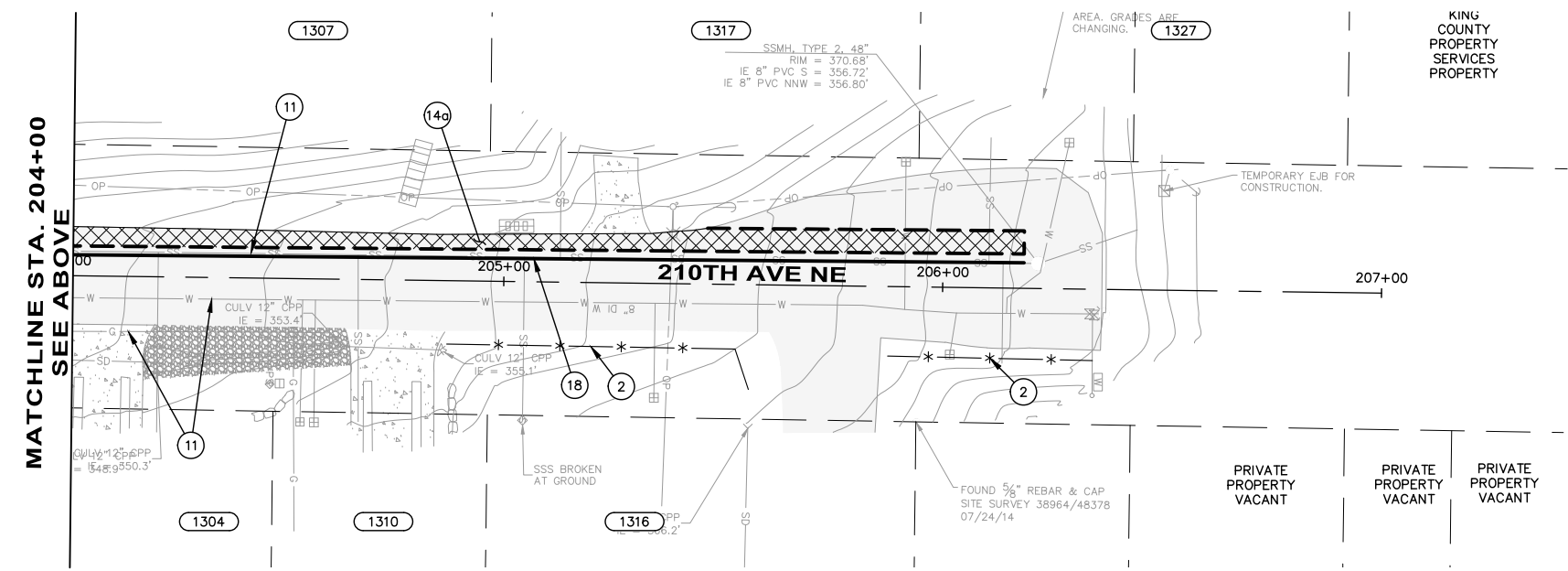
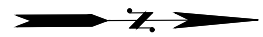
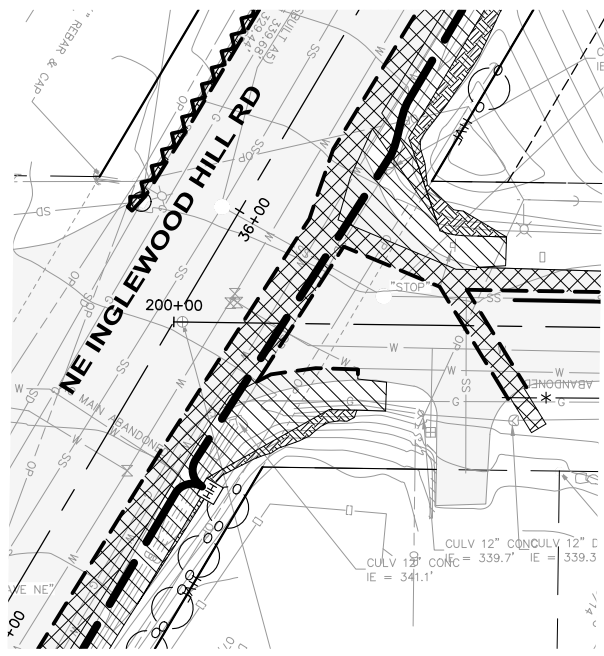
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 107+00 TO STA. 111+00**

**10-14008**  
OCI PROJECT NO.  
15 89  
SHEET OF

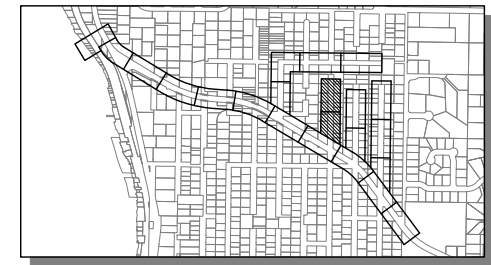


MATCHLINE STA. 201+00  
SEE SHEET 11

MATCHLINE STA. 204+00  
SEE BELOW



MATCHLINE STA. 204+00  
SEE ABOVE



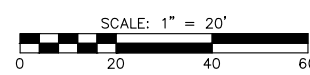
KEY MAP  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

**GENERAL NOTES**

- PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
- ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
- PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

- STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20-00.
- SILT FENCE PER WSDOT STANDARD PLAN I-30.15-02.
- HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN I-10.10-01.
- TREE PROTECTION PER DETAIL ON SHEET 13.
- UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - Water
  - Power
  - Gas
  - Sewer
- ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
- REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - Drainage Structures or Pipes
  - Pavement
  - Curbs and Gutters
  - Rockery
- ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
- PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
- UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
- PROTECT-IN-PLACE EXISTING UTILITY
- REMOVE EXISTING TREE.
- RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
- STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - See schedule A.
  - See schedule B, refer to fiber optic plan sheets 20 - 24.
- CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
- BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
- POTENTIAL TESC TURBIDITY MONITORING LOCATION.
- TEMPORARY HMA BERM AS NEEDED FOR TESC.
- UTILITY ADJUSTMENT BY SCHEDULE C.
- PROTECT-IN-PLACE EXISTING FENCE.

PLOTING DATE: 3/24/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC02.dwg

| NO. | DATE      | BY  | CKD. | REVISION              |
|-----|-----------|-----|------|-----------------------|
| 1   | 3/21/2016 | TNF | LCR  | ADDENDUM #1 REVISIONS |



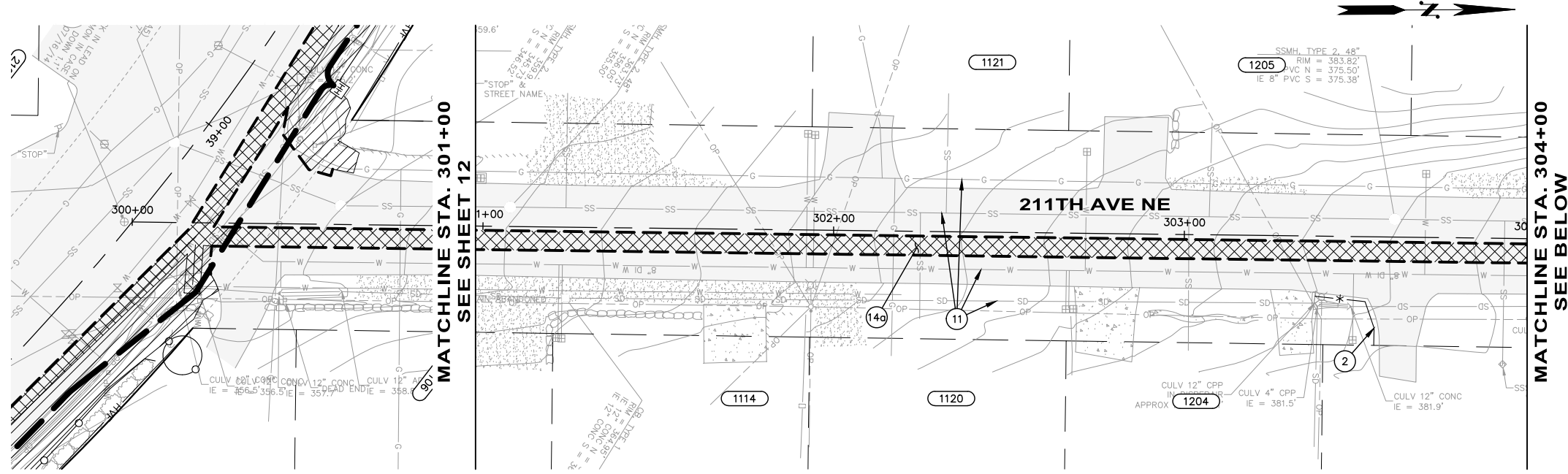
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 201+00 TO STA. 207+00**

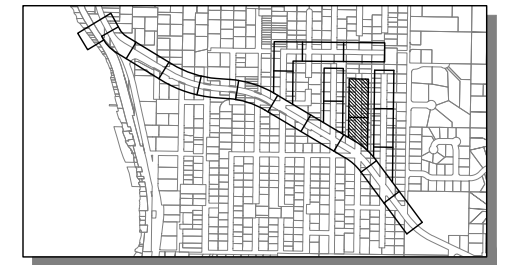
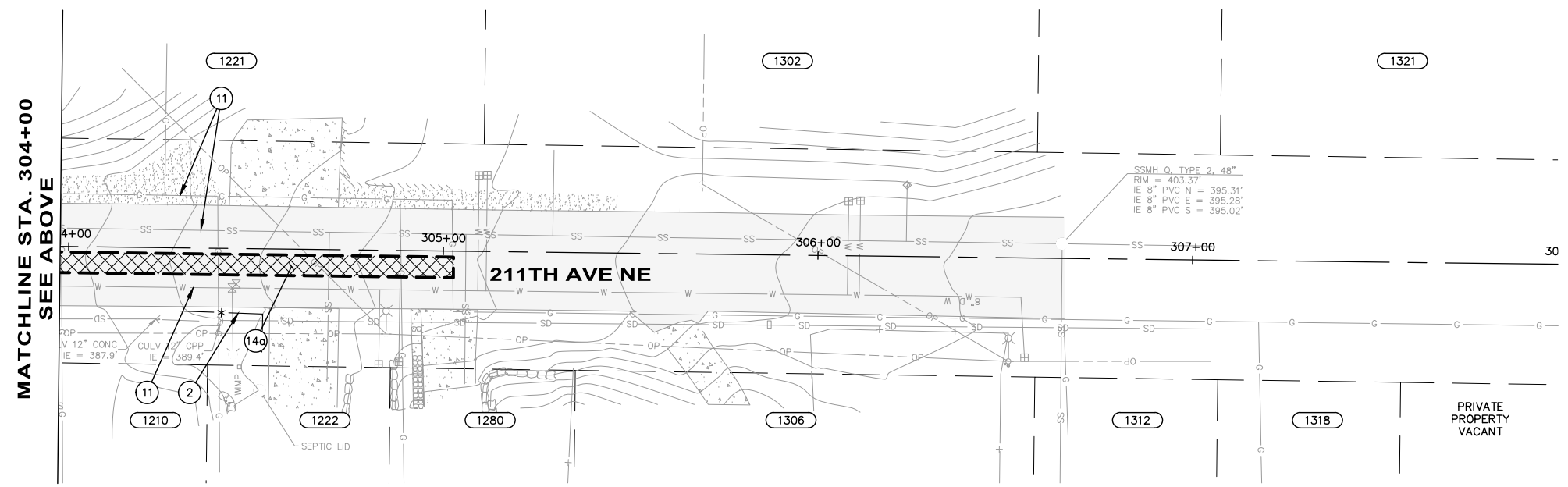
**10-140008**  
OCI PROJECT NO.  
16 89  
SHEET OF





**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
  2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
  3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.
- DEMOLITION AND TESC NOTES:**
1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20-00.
  2. SILT FENCE PER WSDOT STANDARD PLAN I-30.15-02.
  3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN I-10.10-01.
  4. TREE PROTECTION PER DETAIL ON SHEET 13.
  5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
    - a. Water
    - b. Power
    - c. Gas
    - d. Sewer
  6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
  7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
    - a. Drainage Structures or Pipes
    - b. Pavement
    - c. Curbs and Gutters
    - d. Rockery
  8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
  9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
  10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
  11. PROTECT-IN-PLACE EXISTING UTILITY
  12. REMOVE EXISTING TREE.
  13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
  14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
    - a. See schedule A.
    - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
  15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
  16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
  17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
  18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
  19. UTILITY ADJUSTMENT BY SCHEDULE C.
  20. PROTECT-IN-PLACE EXISTING FENCE.



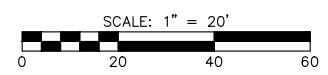
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 3/24/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC02.dwg

| NO. | DATE      | BY  | CHKD. | REVISION              |
|-----|-----------|-----|-------|-----------------------|
| 1   | 3/21/2016 | TNF | LCR   | ADDENDUM #1 REVISIONS |



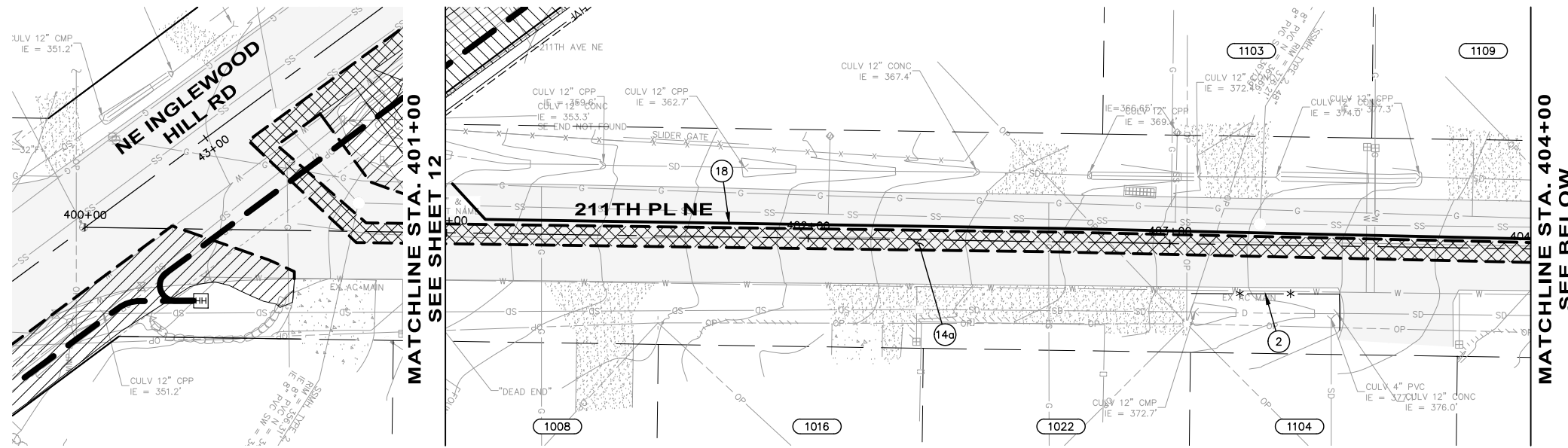
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

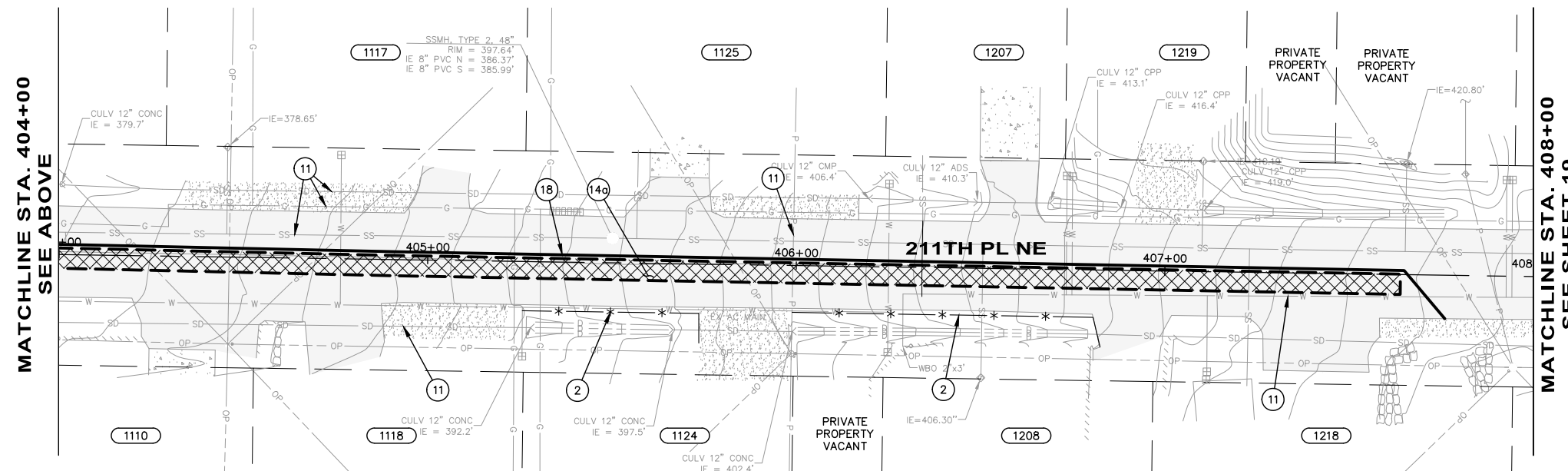
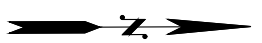
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 301+00 TO STA. 308+00**

**10-140008**  
OCI PROJECT NO.  
17 89  
SHEET OF





MATCHLINE STA. 404+00  
SEE BELOW

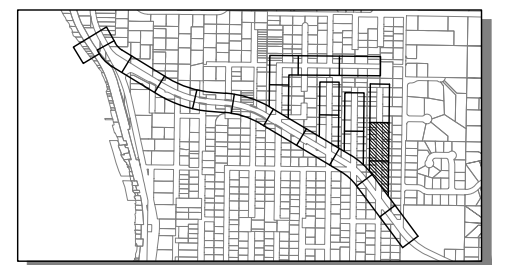


MATCHLINE STA. 404+00  
SEE ABOVE

MATCHLINE STA. 408+00  
SEE SHEET 19

**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
  2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
  3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.
- DEMOLITION AND TESC NOTES:**
1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20-00.
  2. SILT FENCE PER WSDOT STANDARD PLAN I-30.15-02.
  3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN I-10.10-01.
  4. TREE PROTECTION PER DETAIL ON SHEET 13.
  5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
    - a. Water
    - b. Power
    - c. Gas
    - d. Sewer
  6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
  7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
    - a. Drainage Structures or Pipes
    - b. Pavement
    - c. Curbs and Gutters
    - d. Rockery
  8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
  9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
  10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
  11. PROTECT-IN-PLACE EXISTING UTILITY
  12. REMOVE EXISTING TREE.
  13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
  14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
    - a. See schedule A.
    - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
  15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
  16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
  17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
  18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
  19. UTILITY ADJUSTMENT BY SCHEDULE C.
  20. PROTECT-IN-PLACE EXISTING FENCE.



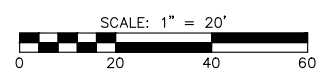
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOT DATE: 3/24/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC02.dwg

| NO. | DATE      | BY  | CHKD. | REVISION              |
|-----|-----------|-----|-------|-----------------------|
| 1   | 3/21/2016 | TNF | LCR   | ADDENDUM #1 REVISIONS |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

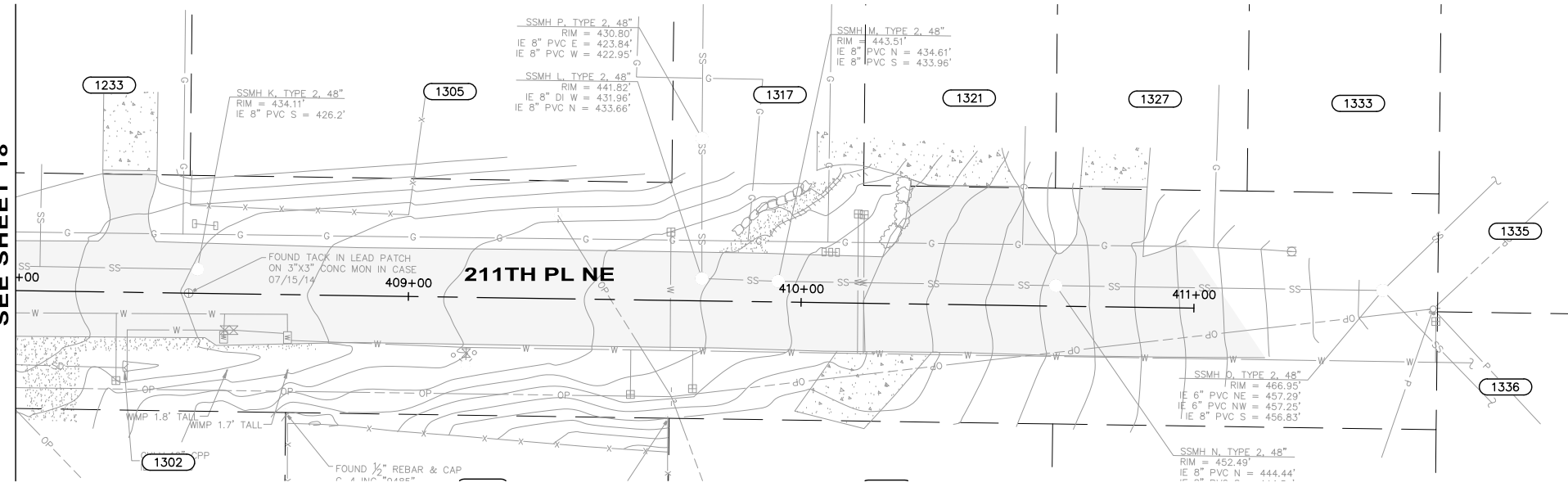
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 401+00 TO STA. 408+00**

|                                     |    |
|-------------------------------------|----|
| <b>10-140008</b><br>OCI PROJECT NO. |    |
| 18                                  | 89 |
| SHEET                               | OF |



MATCHLINE STA. 408+00  
SEE SHEET 18

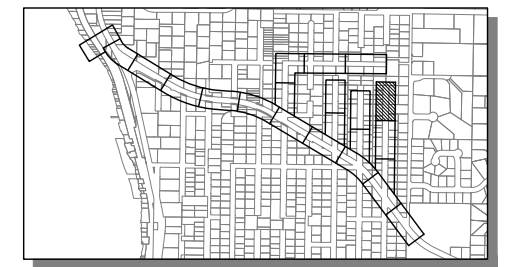


**GENERAL NOTES**

1. PAYMENT FOR REMOVAL OF PAVEMENT, CURB, GUTTERS, AND SIDEWALKS SHALL BE PER WSDOT SPECIFICATIONS SECTIONS 2-02.3(3).
2. ALL EXISTING UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
3. PROTECT EXISTING SIGNS IN PLACE UNLESS IDENTIFIED FOR RELOCATION AND/OR REPLACEMENT ON SHEETS 80 - 85.

**DEMOLITION AND TESC NOTES:**

1. STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN I-40.20-00.
2. SILT FENCE PER WSDOT STANDARD PLAN I-30.15-02.
3. HIGH VISIBILITY FENCE PER WSDOT STANDARD PLAN I-10.10-01.
4. TREE PROTECTION PER DETAIL ON SHEET 13.
5. UTILITY REMOVAL AND RELOCATION BY OTHERS.
  - a. Water
  - b. Power
  - c. Gas
  - d. Sewer
6. ROADWAY EXCAVATION INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION SECTION 2-03.
7. REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
  - a. Drainage Structures or Pipes
  - b. Pavement
  - c. Curbs and Gutters
  - d. Rockery
8. ABANDON EXISTING MANHOLES PER WSDOT STANDARD SPECIFICATION 7-05.3
9. PLUG EXISTING PIPE PER WSDOT STANDARD SPECIFICATION 7-08.3
10. UTILITY REMOVAL AND RELOCATION BY SCHEDULE C.
11. PROTECT-IN-PLACE EXISTING UTILITY
12. REMOVE EXISTING TREE.
13. RELOCATE MONUMENT PER WSDOT STANDARD SPECIFICATION 8-13.
14. STRUCTURE EXCAVATION CLASS B INCLUDING HAUL PER WSDOT STANDARD SPECIFICATION 2-09.
  - a. See schedule A.
  - b. See schedule B, refer to fiber optic plan sheets 20 - 24.
15. CLEARING AND GRUBBING PER WSDOT STANDARD SPECIFICATION 2-01.
16. BYPASS FLOW TO AVAILABLE DOWNSTREAM LOCATION.
17. POTENTIAL TESC TURBIDITY MONITORING LOCATION.
18. TEMPORARY HMA BERM AS NEEDED FOR TESC.
19. UTILITY ADJUSTMENT BY SCHEDULE C.
20. PROTECT-IN-PLACE EXISTING FENCE.



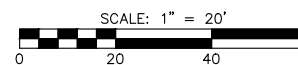
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 3/24/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_TESC02.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



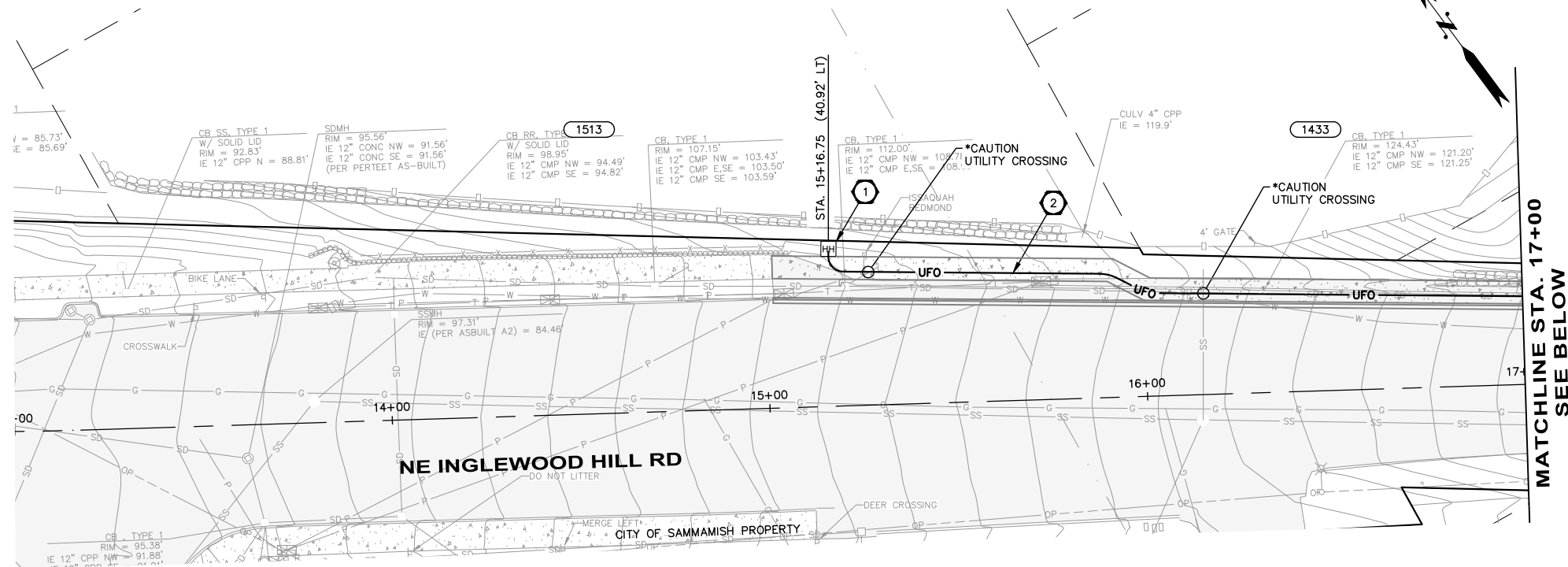
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND  
NON-MOTORIZED IMPROVEMENTS**  
**DEMOLITION AND TESC**  
**STA. 408+00 TO STA. 411+00**

**10-140008**  
OCI PROJECT NO.  
19 89  
SHEET OF



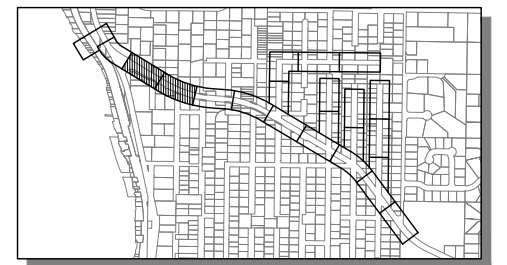
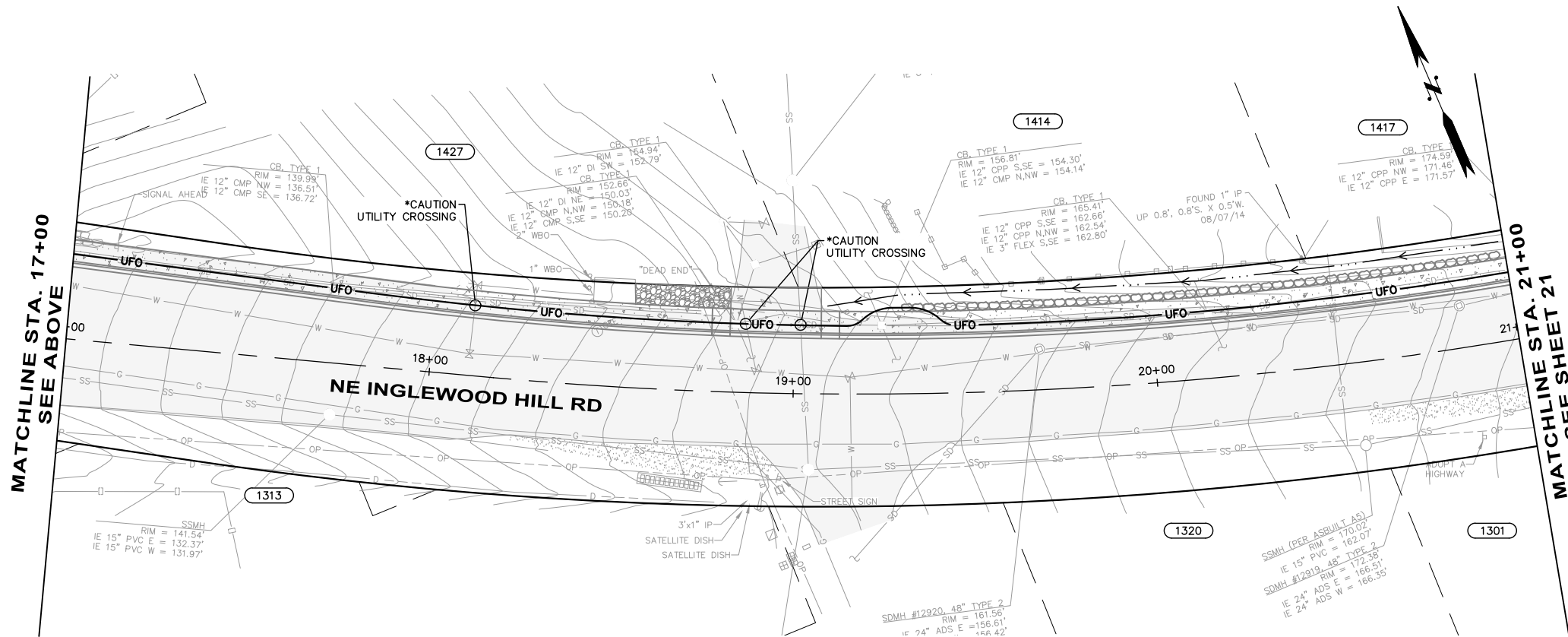


**GENERAL NOTES:**

1. ALL ROAD CROSSING CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS SHALL BE PERPENDICULAR TO THE ROAD AND SHALL BE A MINIMUM 5'-0" DEEP UNLESS OTHERWISE NOTED ON THE PLANS.
2. 2-FT MINIMUM DISTANCE BETWEEN OBSTRUCTIONS AND CONDUIT FOR FUTURE FIBER OPTICS.
3. ALL UNDERGROUND CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS LONGITUDINAL TO THE ROAD AND CROSSING THE ROAD SHALL BE INSTALLED BY OPEN CUT, OR BORING. THE MINIMUM DEPTH WILL PER DETAILS ON SHEET 24.
4. CONTRACTOR SHALL NOTIFY BOTH THE ENGINEER AND THE CITY OF SAMMAMISH OF ANY PROPOSED CHANGES TO THE ALIGNMENT. ANY PROPOSED CHANGES MUST BE APPROVED.
5. ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED SO AS TO MEET CURRENT STANDARDS UNLESS SHOWN OTHERWISE.
6. TRENCHES AND OPEN EXCAVATION SHALL BE COVERED AND PLATED DURING NON-WORKING HOURS.
7. WHEN TRENCHING AND RESTORATION IS COMPLETE ALL ROCKS AND DEBRIS SHALL BE HAULED OFF AND LEGALLY DISPOSED.
8. CONTRACTOR SHALL FIELD ADJUST CONDUIT TO AVOID CONFLICT WITH EXISTING UTILITIES.
9. REFER TO TYPICAL TRENCHING SECTION SHEET 24.

**FIBER OPTIC NOTES:**

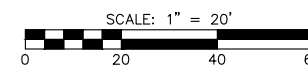
1. INSTALL PRECAST CONCRETE HANDHOLE TYPE 444-LA (48"x48"x48") WITH 44-332P (3'x3' HINGED ANTI-SLIP PLATE/LOCKING DEVICE) COVER. SEE TYPICAL TRENCH AT HANDHOLE DETAIL ON SHEET 24.
2. INSTALL TWO 2-INCH SCHEDULE 40 PVC FOR FUTURE FIBER OPTIC CABLE WITH LOCATABLE WIRE.



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_UTL101.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

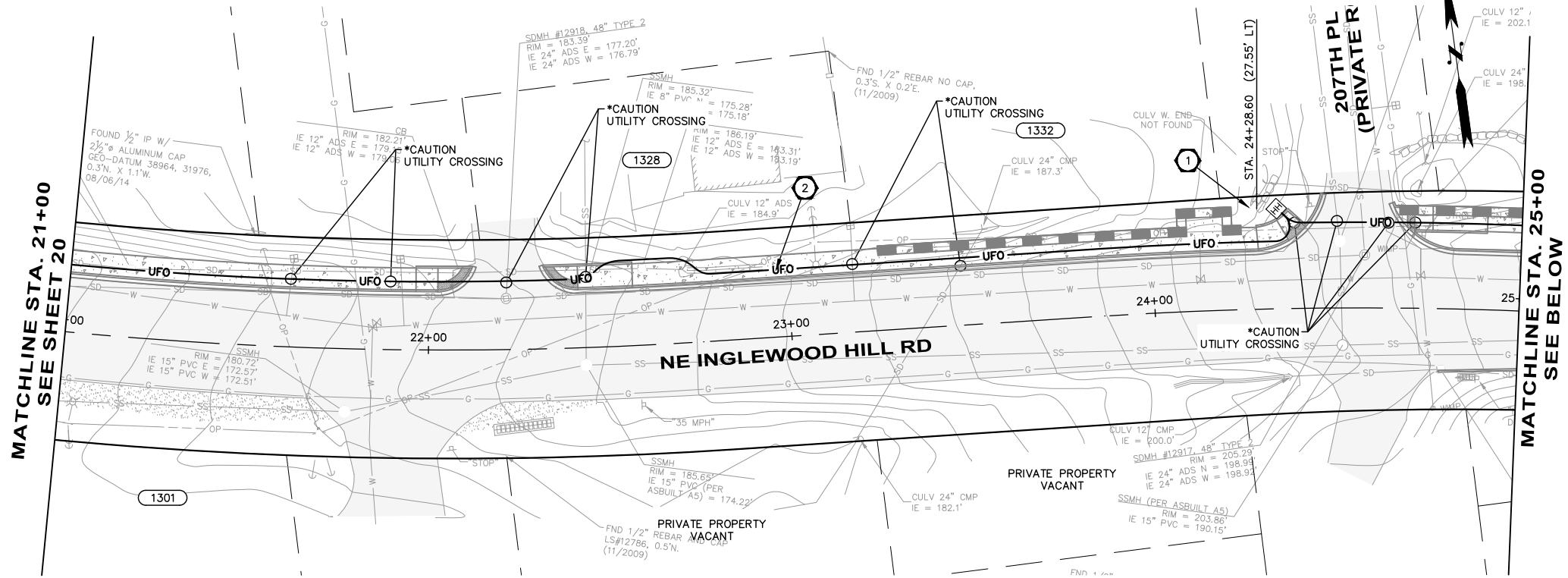


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**FIBER OPTIC**  
**STA. 13+00 TO STA. 21+00**

**10-140008**  
OCI PROJECT NO.  
20 89  
SHEET OF

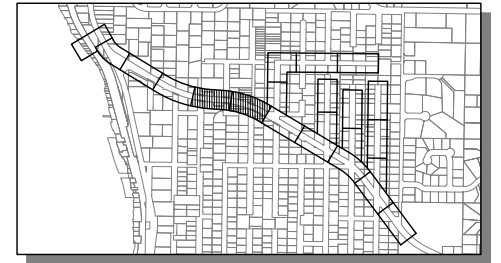
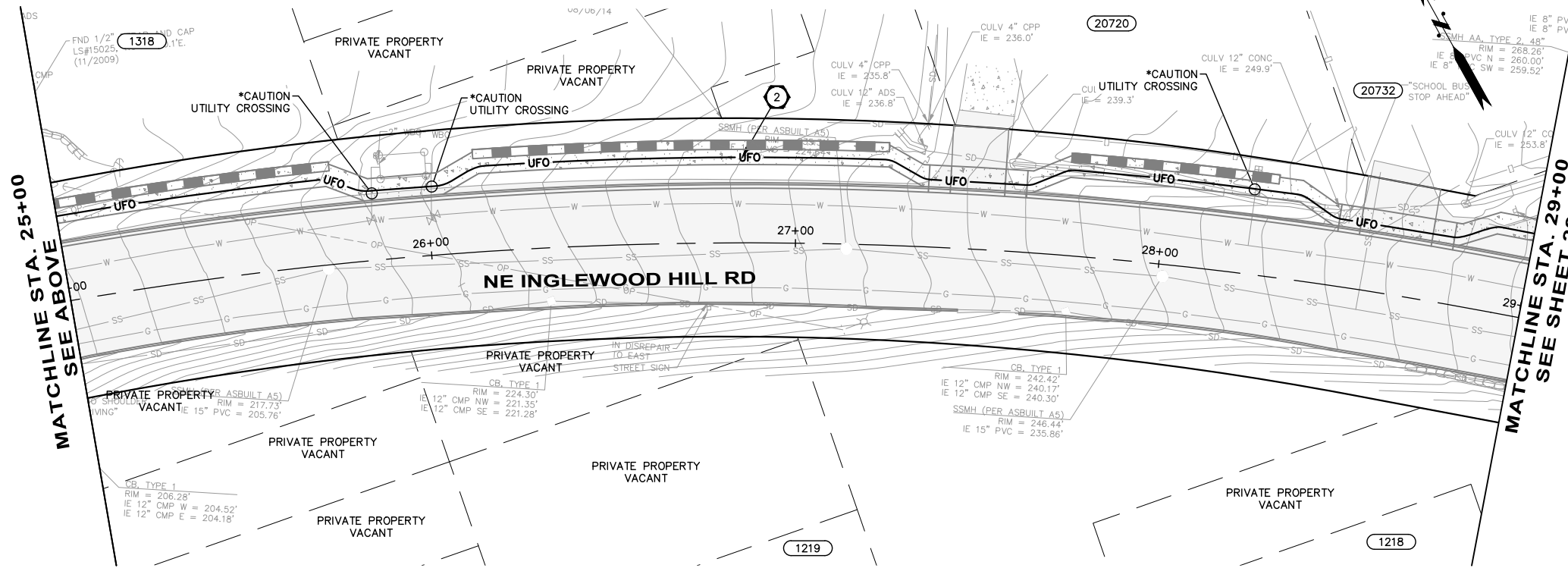


**GENERAL NOTES:**

1. ALL ROAD CROSSING CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS SHALL BE PERPENDICULAR TO THE ROAD AND SHALL BE A MINIMUM 5'-0" DEEP UNLESS OTHERWISE NOTED ON THE PLANS.
2. 2-FT MINIMUM DISTANCE BETWEEN OBSTRUCTIONS AND CONDUIT FOR FUTURE FIBER OPTICS.
3. ALL UNDERGROUND CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS LONGITUDINAL TO THE ROAD AND CROSSING THE ROAD SHALL BE INSTALLED BY OPEN CUT, OR BORING. THE MINIMUM DEPTH WILL PER DETAILS ON SHEET 24.
4. CONTRACTOR SHALL NOTIFY BOTH THE ENGINEER AND THE CITY OF SAMMAMISH OF ANY PROPOSED CHANGES TO THE ALIGNMENT. ANY PROPOSED CHANGES MUST BE APPROVED.
5. ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED SO AS TO MEET CURRENT STANDARDS UNLESS SHOWN OTHERWISE.
6. TRENCHES AND OPEN EXCAVATION SHALL BE COVERED AND PLATED DURING NON-WORKING HOURS.
7. WHEN TRENCHING AND RESTORATION IS COMPLETE ALL ROCKS AND DEBRIS SHALL BE HAULED OFF AND LEGALLY DISPOSED.
8. CONTRACTOR SHALL FIELD ADJUST CONDUIT TO AVOID CONFLICT WITH EXISTING UTILITIES.
9. REFER TO TYPICAL TRENCHING SECTION SHEET 24.

**FIBER OPTIC NOTES:**

1. INSTALL PRECAST CONCRETE HANDHOLE TYPE 444-LA (48"x48"x48") WITH 44-332P (3'x3' HINGED ANTI-SLIP PLATE/LOCKING DEVICE) COVER. SEE TYPICAL TRENCH AT HANDHOLE DETAIL ON SHEET 24.
2. INSTALL TWO 2-INCH SCHEDULE 40 PVC FOR FUTURE FIBER OPTIC CABLE WITH LOCATABLE WIRE.



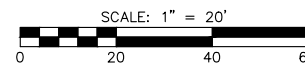
KEY MAP  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3\_CADD\Sheets\10-140008\_UTI101.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



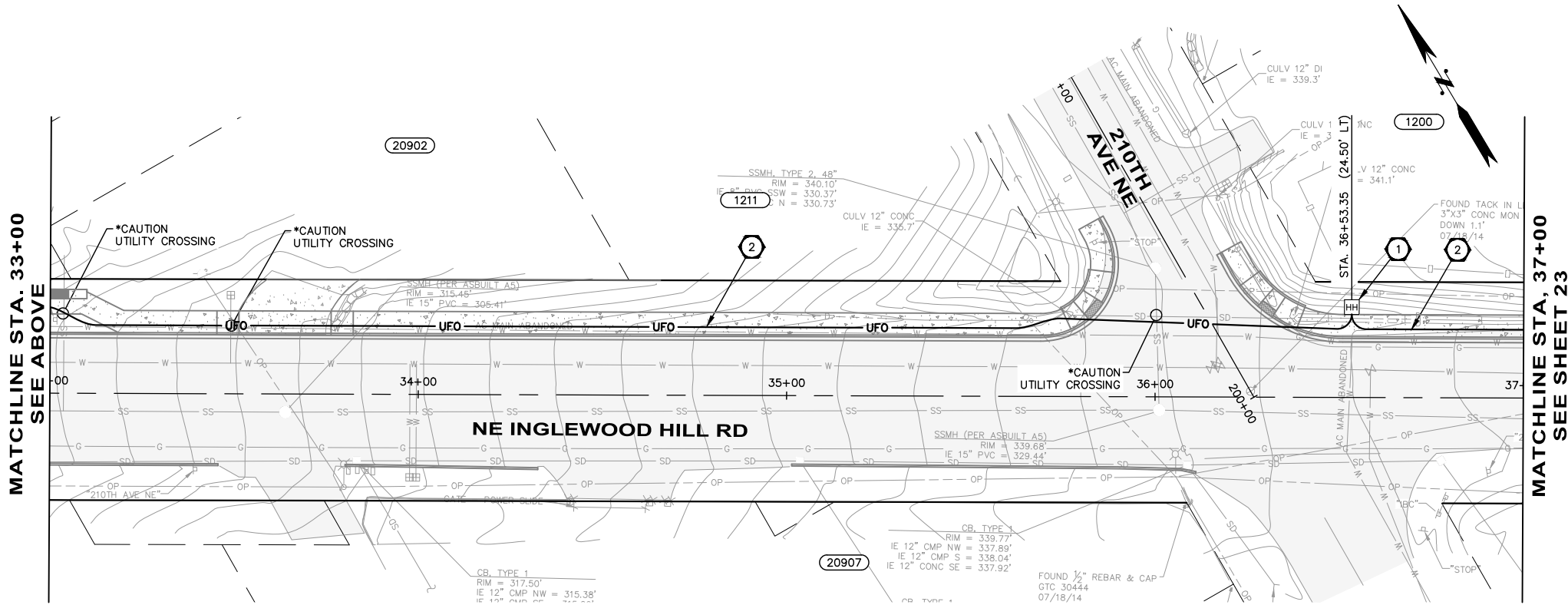
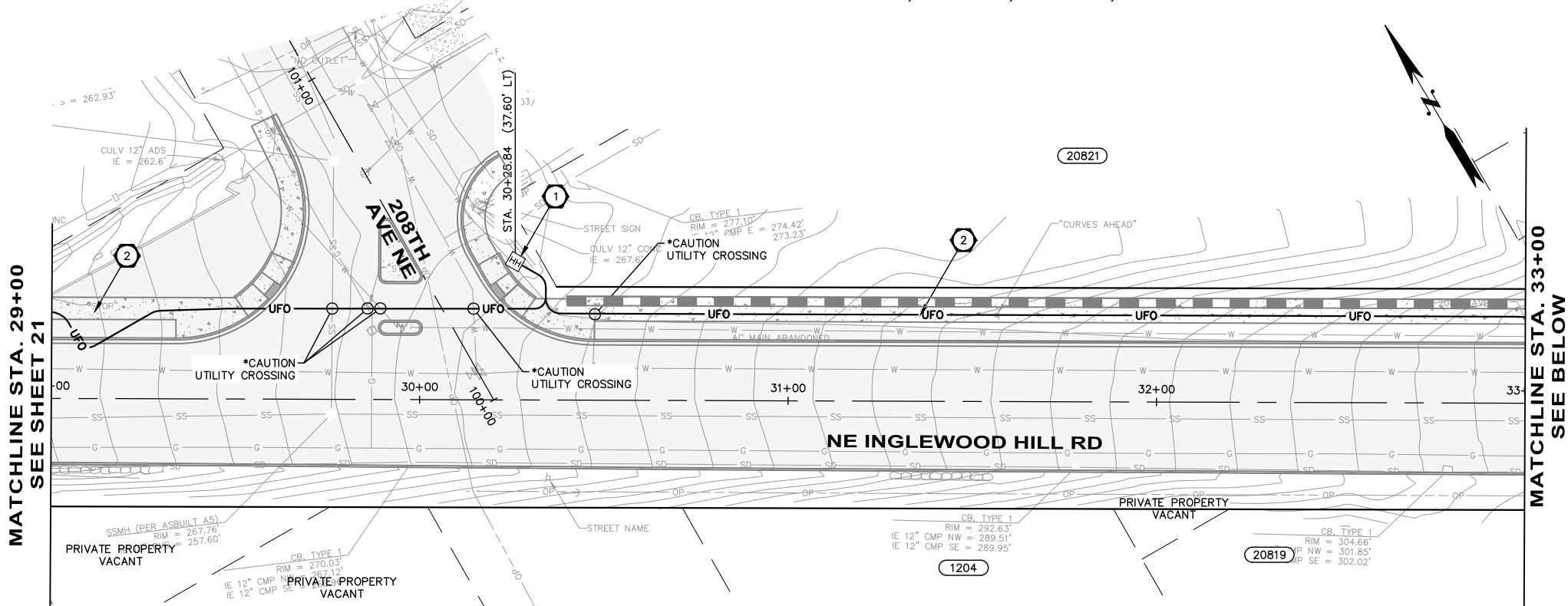
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**FIBER OPTIC**  
**STA. 21+00 TO STA. 29+00**

**10-140008**  
OCI PROJECT NO.  
21 89  
SHEET OF



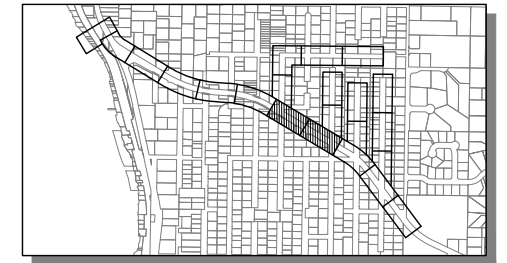


**GENERAL NOTES:**

1. ALL ROAD CROSSING CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS SHALL BE PERPENDICULAR TO THE ROAD AND SHALL BE A MINIMUM 5'-0" DEEP UNLESS OTHERWISE NOTED ON THE PLANS.
2. 2-FT MINIMUM DISTANCE BETWEEN OBSTRUCTIONS AND CONDUIT FOR FUTURE FIBER OPTICS.
3. ALL UNDERGROUND CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS LONGITUDINAL TO THE ROAD AND CROSSING THE ROAD SHALL BE INSTALLED BY OPEN CUT, OR BORING. THE MINIMUM DEPTH WILL PER DETAILS ON SHEET 24.
4. CONTRACTOR SHALL NOTIFY BOTH THE ENGINEER AND THE CITY OF SAMMAMISH OF ANY PROPOSED CHANGES TO THE ALIGNMENT. ANY PROPOSED CHANGES MUST BE APPROVED.
5. ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED SO AS TO MEET CURRENT STANDARDS UNLESS SHOWN OTHERWISE.
6. TRENCHES AND OPEN EXCAVATION SHALL BE COVERED AND PLATED DURING NON-WORKING HOURS.
7. WHEN TRENCHING AND RESTORATION IS COMPLETE ALL ROCKS AND DEBRIS SHALL BE HAULED OFF AND LEGALLY DISPOSED.
8. CONTRACTOR SHALL FIELD ADJUST CONDUIT TO AVOID CONFLICT WITH EXISTING UTILITIES.
9. REFER TO TYPICAL TRENCHING SECTION SHEET 24.

**FIBER OPTIC NOTES:**

1. INSTALL PRECAST CONCRETE HANDHOLE TYPE 444-LA (48"x48"x48") WITH 44-332P (3'x3' HINGED ANTI-SLIP PLATE/LOCKING DEVICE) COVER. SEE TYPICAL TRENCH AT HANDHOLE DETAIL ON SHEET 24.
2. INSTALL TWO 2-INCH SCHEDULE 40 PVC FOR FUTURE FIBER OPTIC CABLE WITH LOCATABLE WIRE.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.

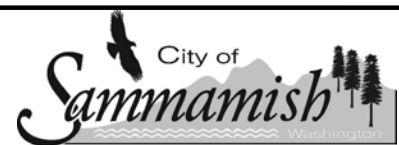


4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_LIT101.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

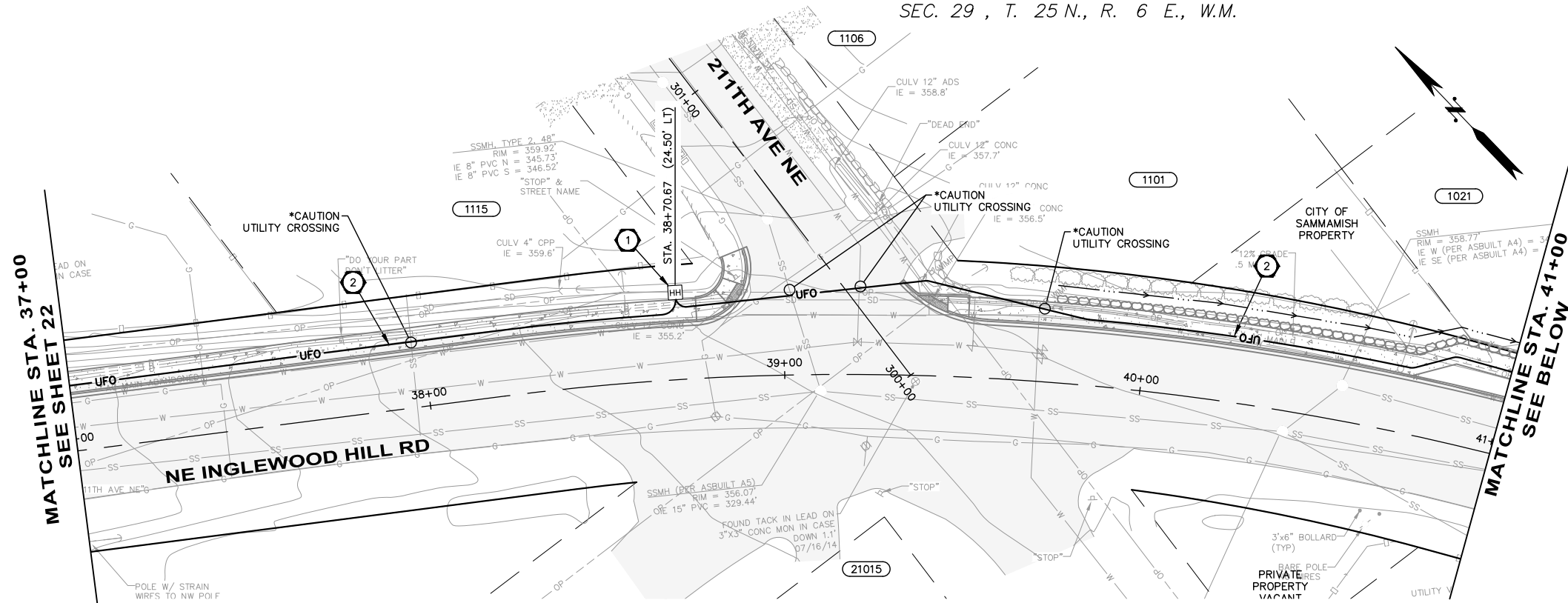


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**FIBER OPTIC**  
**STA. 29+00 TO STA. 37+00**

**10-140008**  
OCI PROJECT NO.  
22 SHEET OF 89

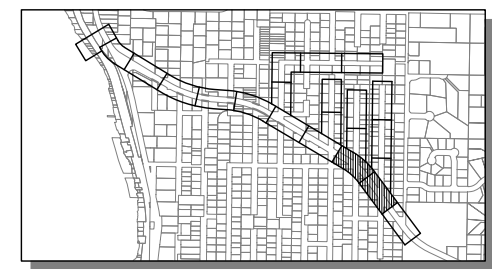
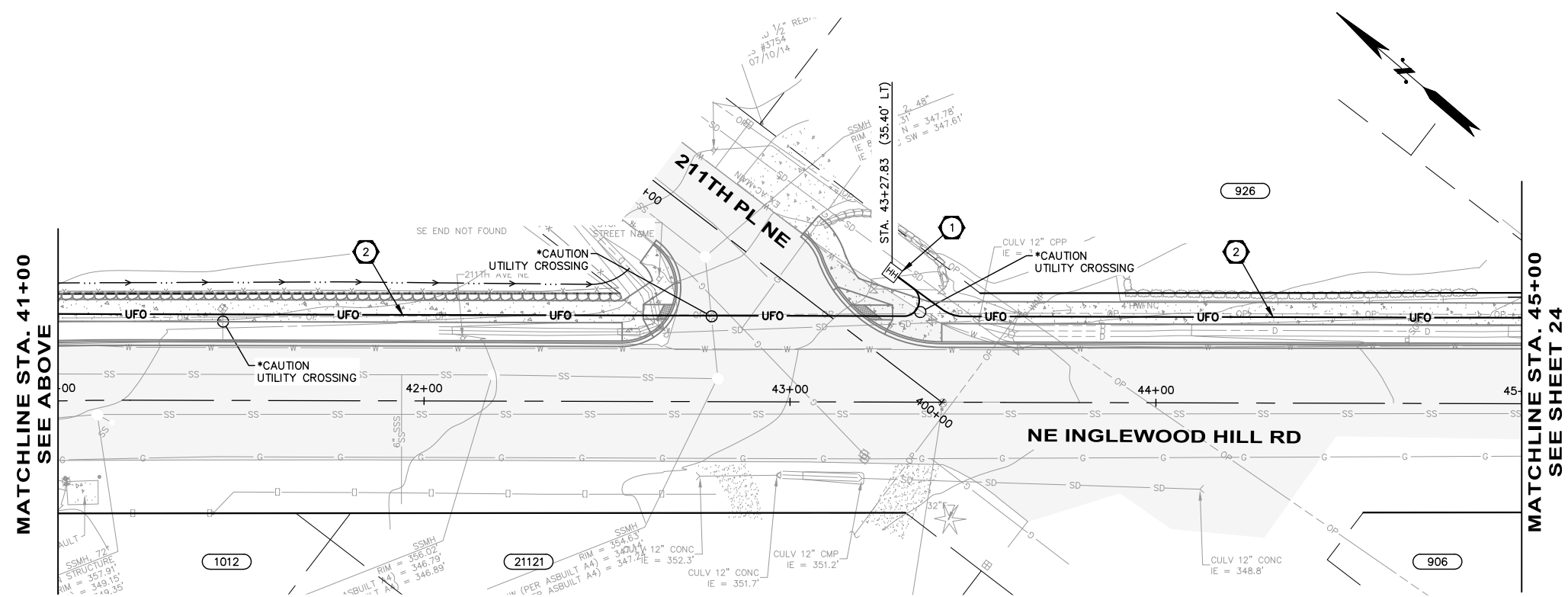


**GENERAL NOTES:**

1. ALL ROAD CROSSING CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS SHALL BE PERPENDICULAR TO THE ROAD AND SHALL BE A MINIMUM 5'-0" DEEP UNLESS OTHERWISE NOTED ON THE PLANS.
2. 2-FT MINIMUM DISTANCE BETWEEN OBSTRUCTIONS AND CONDUIT FOR FUTURE FIBER OPTICS.
3. ALL UNDERGROUND CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS LONGITUDINAL TO THE ROAD AND CROSSING THE ROAD SHALL BE INSTALLED BY OPEN CUT, OR BORING. THE MINIMUM DEPTH WILL PER DETAILS ON SHEET 24.
4. CONTRACTOR SHALL NOTIFY BOTH THE ENGINEER AND THE CITY OF SAMMAMISH OF ANY PROPOSED CHANGES TO THE ALIGNMENT. ANY PROPOSED CHANGES MUST BE APPROVED.
5. ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED SO AS TO MEET CURRENT STANDARDS UNLESS SHOWN OTHERWISE.
6. TRENCHES AND OPEN EXCAVATION SHALL BE COVERED AND PLATED DURING NON-WORKING HOURS.
7. WHEN TRENCHING AND RESTORATION IS COMPLETE ALL ROCKS AND DEBRIS SHALL BE HAULED OFF AND LEGALLY DISPOSED.
8. CONTRACTOR SHALL FIELD ADJUST CONDUIT TO AVOID CONFLICT WITH EXISTING UTILITIES.
9. REFER TO TYPICAL TRENCHING SECTION SHEET 24.

**FIBER OPTIC NOTES:**

1. INSTALL PRECAST CONCRETE HANDHOLE TYPE 444-LA (48"x48"x48") WITH 44-332P (3"x3' HINGED ANTI-SLIP PLATE/LOCKING DEVICE) COVER. SEE TYPICAL TRENCH AT HANDHOLE DETAIL ON SHEET 24.
2. INSTALL TWO 2-INCH SCHEDULE 40 PVC FOR FUTURE FIBER OPTIC CABLE WITH LOCATABLE WIRE.



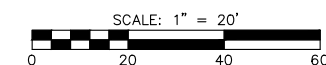
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

PLOT DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_LUT101.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



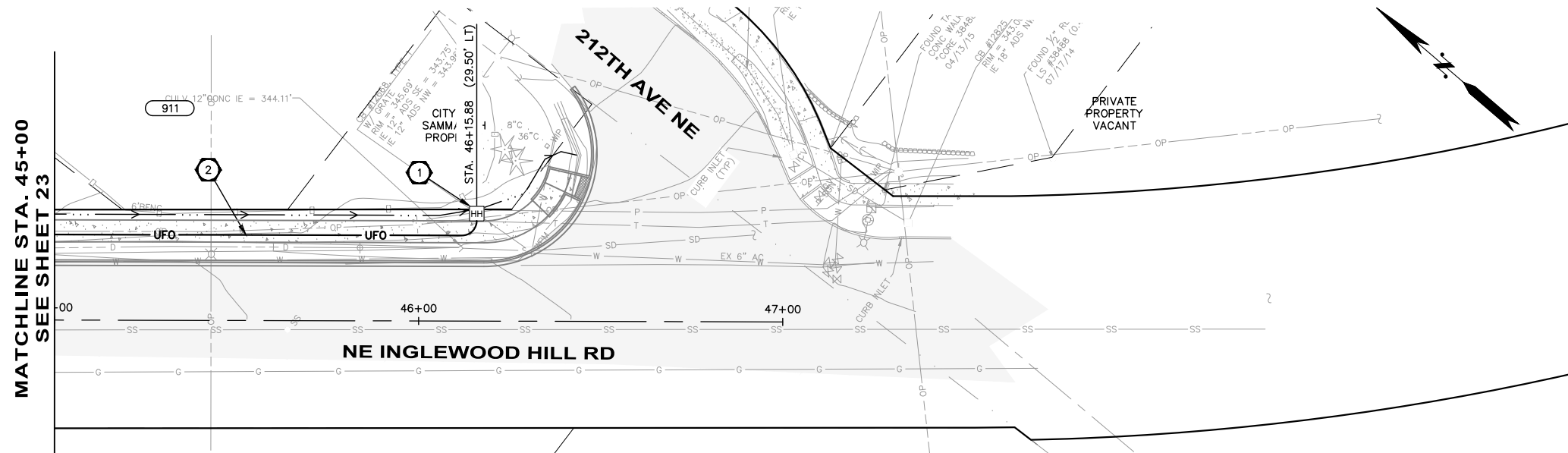
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**FIBER OPTIC**  
**STA. 37+00 TO STA. 45+00**

|                                     |    |
|-------------------------------------|----|
| <b>10-140008</b><br>OCI PROJECT NO. |    |
| 23                                  | 89 |
| SHEET                               | OF |



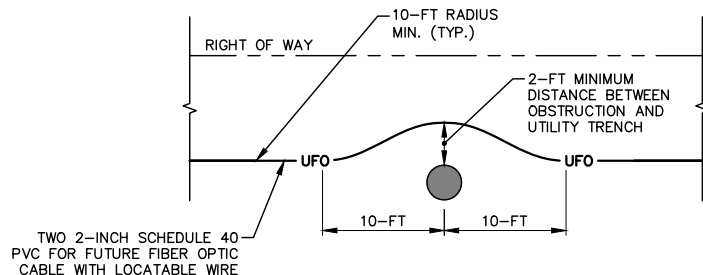
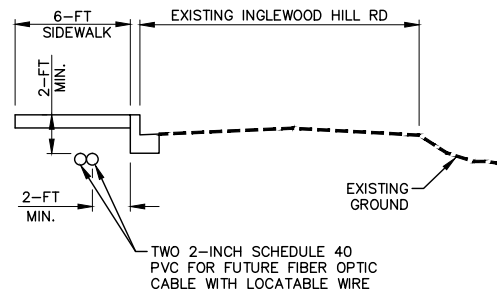
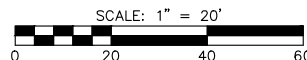


**GENERAL NOTES:**

1. ALL ROAD CROSSING CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS SHALL BE PERPENDICULAR TO THE ROAD AND SHALL BE A MINIMUM 5'-0" DEEP UNLESS OTHERWISE NOTED ON THE PLANS.
2. 2-FT MINIMUM DISTANCE BETWEEN OBSTRUCTIONS AND CONDUIT FOR FUTURE FIBER OPTICS.
3. ALL UNDERGROUND CONDUIT INSTALLATION FOR FUTURE FIBER OPTICS LONGITUDINAL TO THE ROAD AND CROSSING THE ROAD SHALL BE INSTALLED BY OPEN CUT, OR BORING. THE MINIMUM DEPTH WILL PER DETAILS ON SHEET 24.
4. CONTRACTOR SHALL NOTIFY BOTH THE ENGINEER AND THE CITY OF SAMMAMISH OF ANY PROPOSED CHANGES TO THE ALIGNMENT. ANY PROPOSED CHANGES MUST BE APPROVED.
5. ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED SO AS TO MEET CURRENT STANDARDS UNLESS SHOWN OTHERWISE.
6. TRENCHES AND OPEN EXCAVATION SHALL BE COVERED AND PLATED DURING NON-WORKING HOURS.
7. WHEN TRENCHING AND RESTORATION IS COMPLETE ALL ROCKS AND DEBRIS SHALL BE HAULED OFF AND LEGALLY DISPOSED.
8. CONTRACTOR SHALL FIELD ADJUST CONDUIT TO AVOID CONFLICT WITH EXISTING UTILITIES.
9. REFER TO TYPICAL TRENCHING SECTION SHEET 24.

**FIBER OPTIC NOTES:**

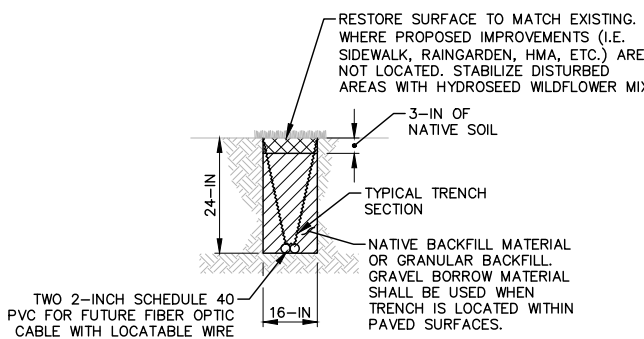
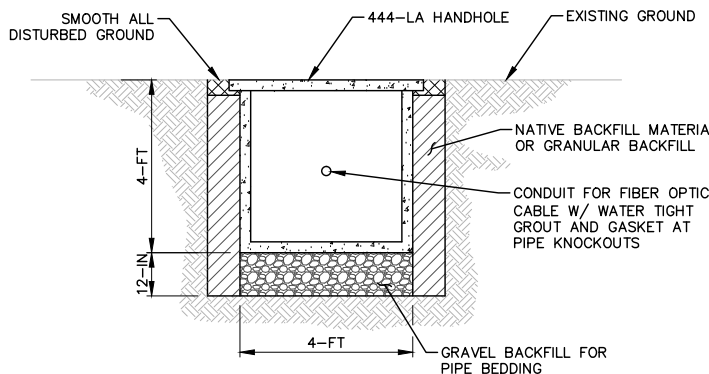
1. INSTALL PRECAST CONCRETE HANDHOLE TYPE 444-LA (48"x48"x48") WITH 44-332P (3'x3' HINGED ANTI-SLIP PLATE/LOCKING DEVICE) COVER. SEE TYPICAL TRENCH AT HANDHOLE DETAIL ON SHEET 24.
2. INSTALL TWO 2-INCH SCHEDULE 40 PVC FOR FUTURE FIBER OPTIC CABLE WITH LOCATABLE WIRE.



- NOTES:**
1. FIBER OPTIC ALIGNMENT SHALL REMAIN WITHIN RIGHT OF WAY.

**LONGITUDINAL COVERAGE DETAIL**

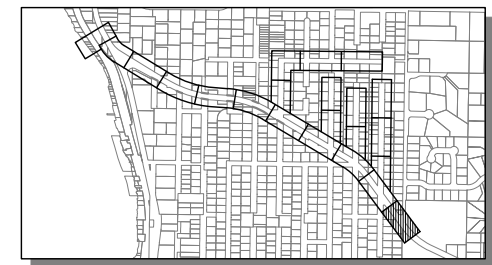
**INSTALLATION AROUND OBSTRUCTION**



- NOTES:**
1. SLOPE GROUND AWAY FROM HANDHOLE.
  2. ALL BURIED HANDHOLES TO BE PLACED NO CLOSER THAN 6' FROM UTILITY POLES.

**TYPICAL TRENCH AT HANDHOLE**

**TYPICAL TRENCHING SECTION**



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

PLOT DATE: 4/20/2016 USER: Travis Frankel FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_LUT101.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



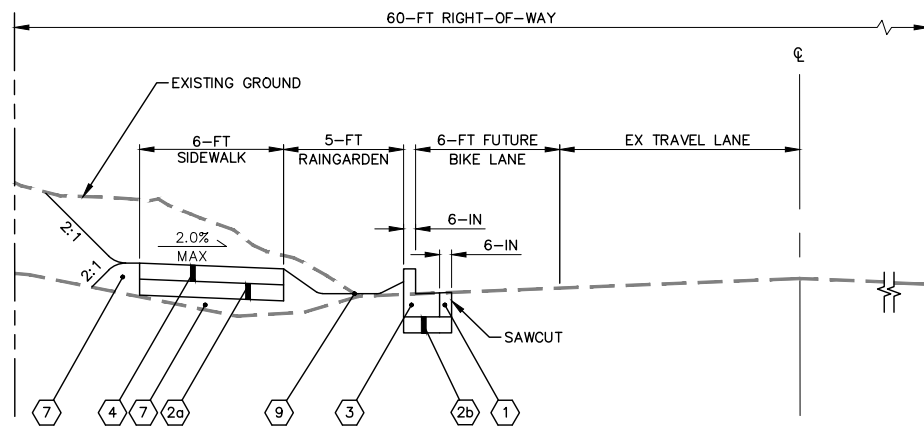
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

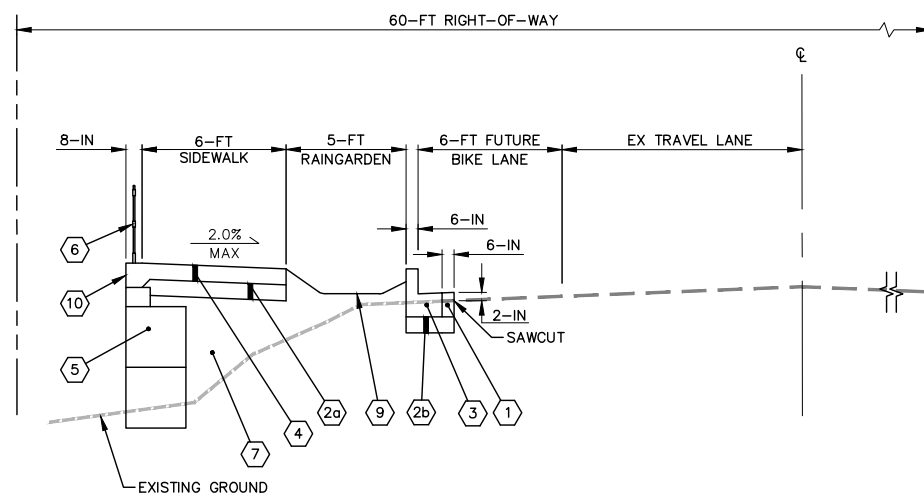
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**FIBER OPTIC**  
**STA. 45+00 TO STA. 47+00**

|                  |    |
|------------------|----|
| <b>10-140008</b> |    |
| OCI PROJECT NO.  |    |
| 24               | 89 |
| SHEET            | OF |

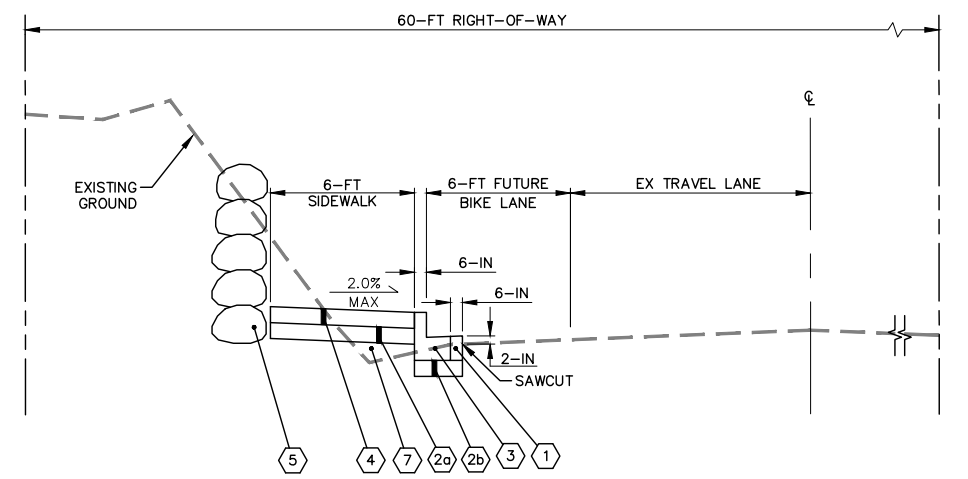
USER: Trevis; Filename: P:\10-140008 Inglewood\_Drawing\3\_CADD\Sheets\10-140008\_RDTS.dwg  
 PLOTTING DATE: 2/9/2016



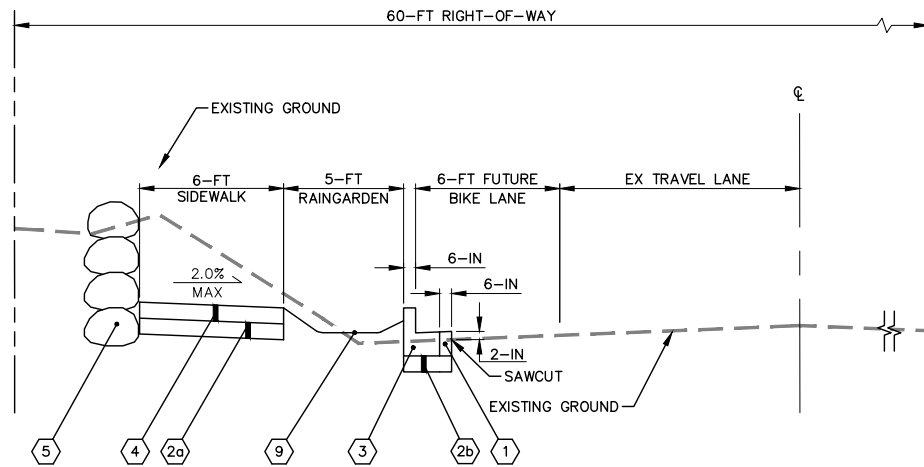
**NE INGLEWOOD HILL ROAD  
TYPICAL ROADWAY SECTION A**  
N.T.S.



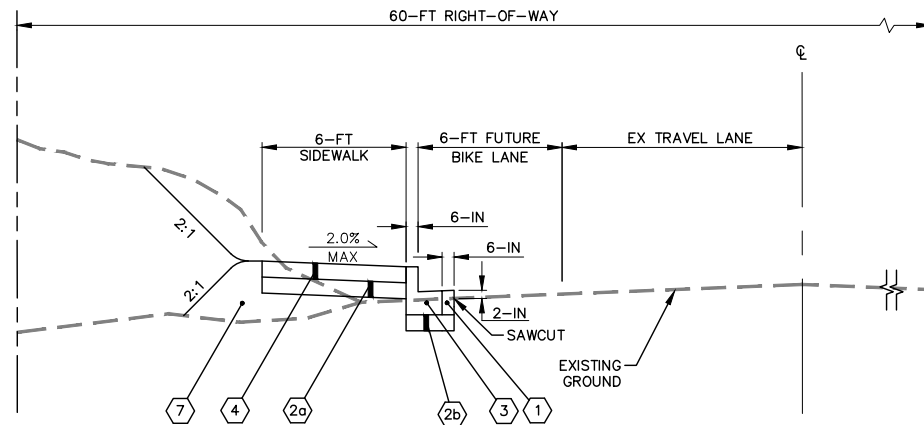
**NE INGLEWOOD HILL ROAD  
TYPICAL ROADWAY SECTION C**  
N.T.S.



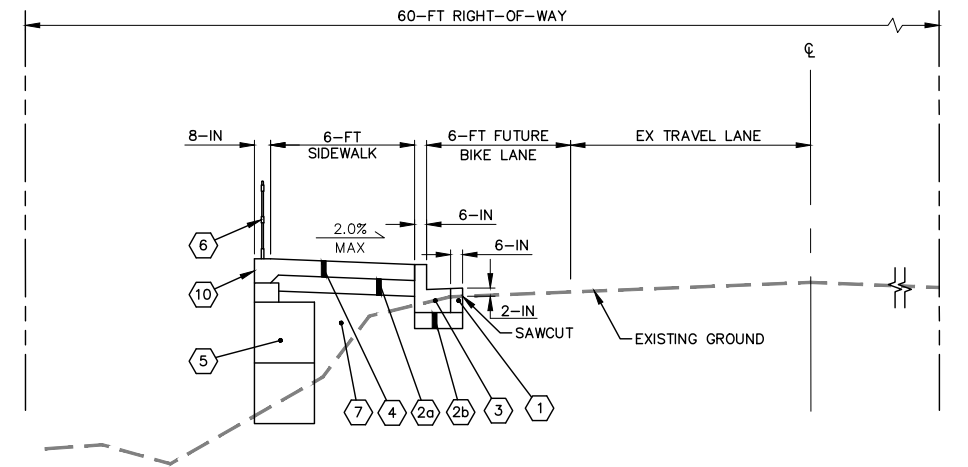
**NE INGLEWOOD HILL ROAD  
TYPICAL ROADWAY SECTION E**  
N.T.S.



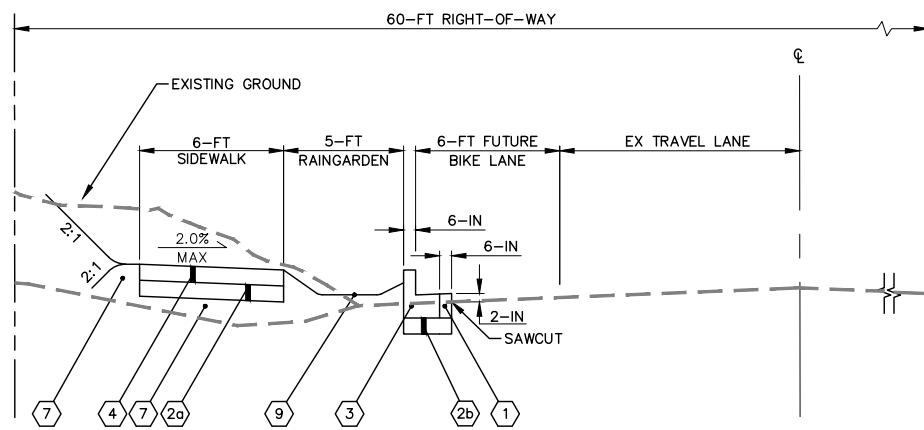
**NE INGLEWOOD HILL ROAD S  
TYPICAL ROADWAY SECTION B**  
N.T.S.



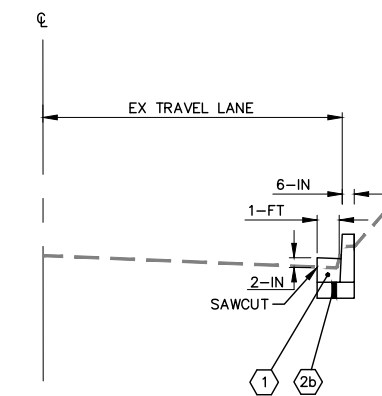
**NE INGLEWOOD HILL ROAD  
TYPICAL ROADWAY SECTION D**  
N.T.S.



**NE INGLEWOOD HILL ROAD  
TYPICAL ROADWAY SECTION F**  
N.T.S.



**NE INGLEWOOD HILL ROAD  
TYPICAL ROADWAY SECTION H**  
N.T.S.



**NE INGLEWOOD HILL ROAD  
TYPICAL ROADWAY SECTION G**  
N.T.S.

| ROADWAY SECTION STATIONS |             |              |
|--------------------------|-------------|--------------|
| START STATION            | END STATION | ROAD SECTION |
| 15+01.73                 | 15+40.00    | A            |
| 15+40.00                 | 15+90.21    | H            |
| 16+00.00                 | 19+29.09    | D            |
| 19+29.09                 | 20+99.96    | E            |
| 20+99.96                 | 23+25.00    | D            |
| 23+25.00                 | 24+24.22    | F            |
| 24+80.50                 | 25+74.38    | C            |
| 25+83.00                 | 26+04.37    | D            |
| 26+13.00                 | 27+25.00    | C            |
| 27+34.39                 | 27+63.99    | D            |
| 27+74.00                 | 28+30.00    | C            |
| 28+45.93                 | 28+80.42    | D            |
| 28+90.03                 | 29+33.80    | H            |
| 30+40.00                 | 33+10.00    | C            |
| 33+10.00                 | 35+68.93    | D            |
| 36+50.91                 | 38+76.12    | D            |
| 39+43.53                 | 40+74.29    | E            |
| 40+85.24                 | 42+55.90    | B            |
| 43+41.42                 | 46+42.00    | B            |

**GENERAL NOTES:**

- ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.

**# TYPICAL SECTION NOTES:**

- 6-IN HMA CL. 1/2-IN PG 64-22
- a. 4-IN CRUSHED SURFACING TOP COURSE  
b. 5-IN CRUSHED SURFACING BASE COURSE AND 2-IN CRUSHED SURFACING TOP COURSE
- CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
- CEMENT CONCRETE SIDEWALK PER WSDOT STANDARD PLAN F-30.10-03. 4-IN 4,000 PSI CONCRETE STRENGTH.
- RETAINING WALL, SEE SHEETS 54 - 62 WALL PLAN AND PROFILES, AND DETAILS.
- PEDESTRIAN RAILING, SEE SHEET 26 FOR DETAILS.
- GRAVEL BORROW INCLUDING HAUL.
- NOT USED.
- RAINGARDEN PER DETAIL ON SHEET 26.
- SEE CURB FACING DETAIL ON SHEET 62.
- CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03.



4/20/16

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

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



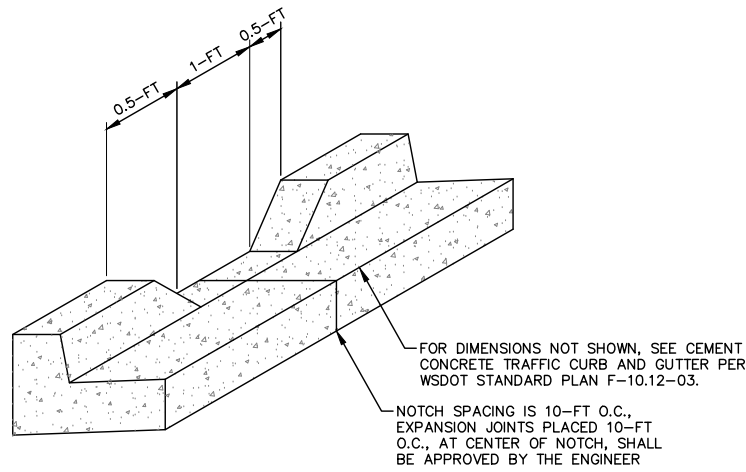
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

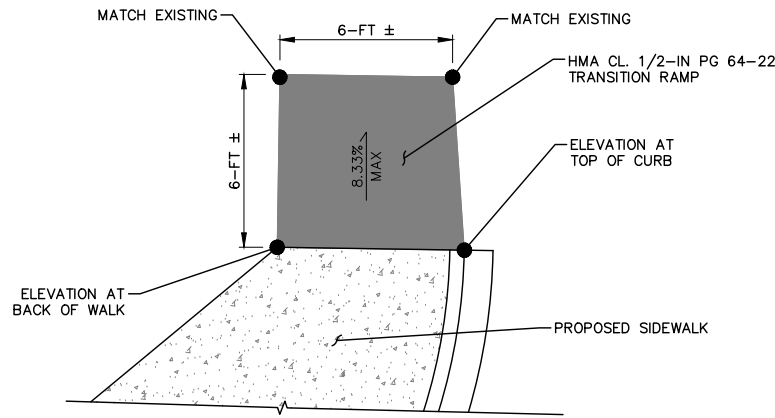
**INGLEWOOD HILL STORMWATER AND  
NON-MOTORIZED IMPROVEMENTS**  
**TYPICAL ROADWAY SECTIONS  
NE INGLEWOOD HILL RD**

**10-14008**  
OCI PROJECT NO.  
 25 89  
SHEET OF



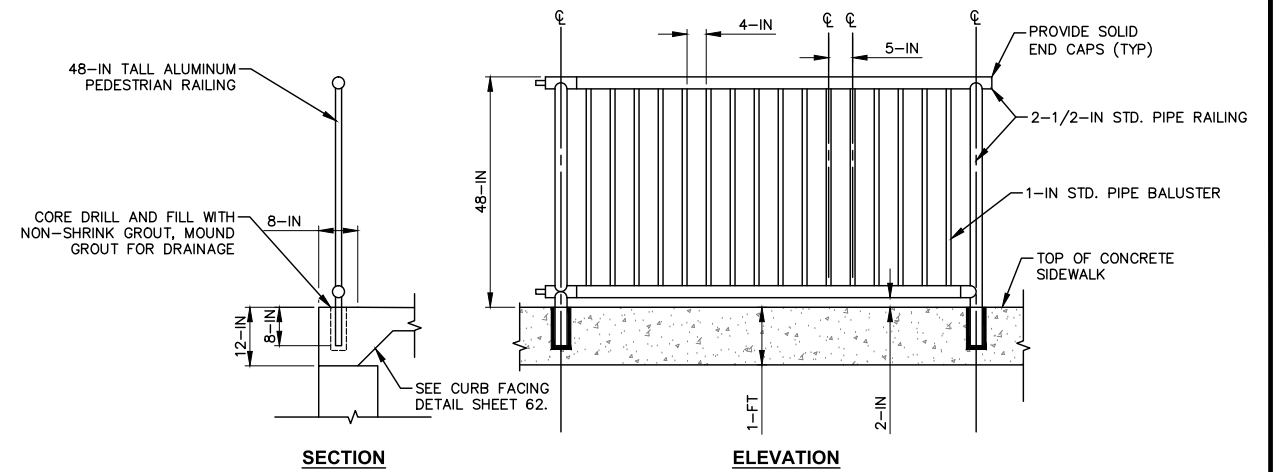


**CEMENT CONCRETE NOTCHED CURB AND GUTTER DETAIL**  
N.T.S.



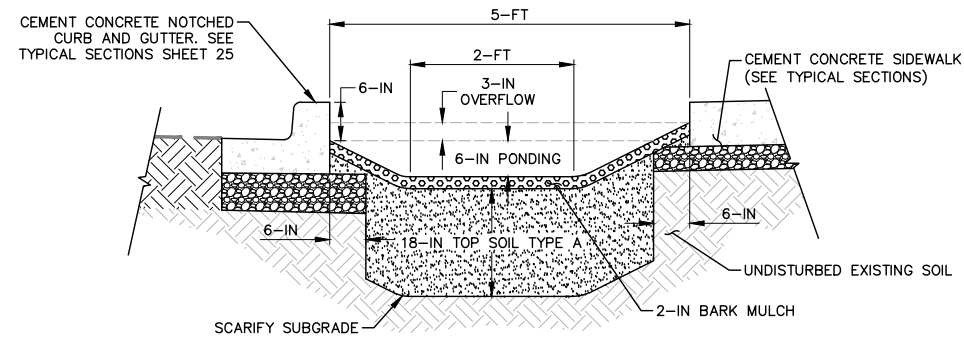
NOTE:  
SEE CURB RAMP PLANS FOR RAMP LOCATIONS

**HMA TRANSITION RAMP DETAIL**  
N.T.S.

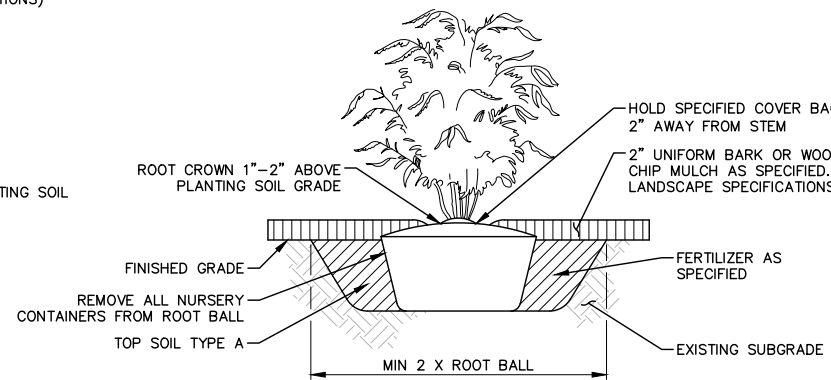


NOTE:  
1. SUBMIT SHOP DRAWINGS FOR APPROVAL.

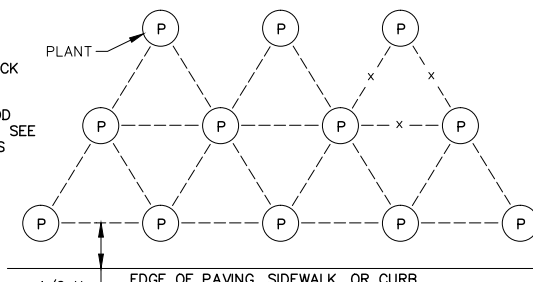
**PEDESTRIAN RAILING DETAIL**  
N.T.S.



**RAINGARDEN PREPARATION DETAIL**  
N.T.S.



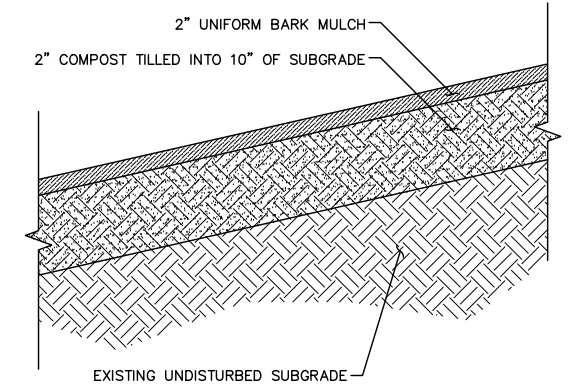
**SHRUB PLANTING**  
N.T.S.



NOTE:  
GROUP LIKE SHRUBS IN GROUPS OF 3 TO 5.  
TREES SHOULD NOT BE PLACED NEXT TO EACH OTHER.

X = PLANT SPACING (SEE PLANTING SCHEDULE)

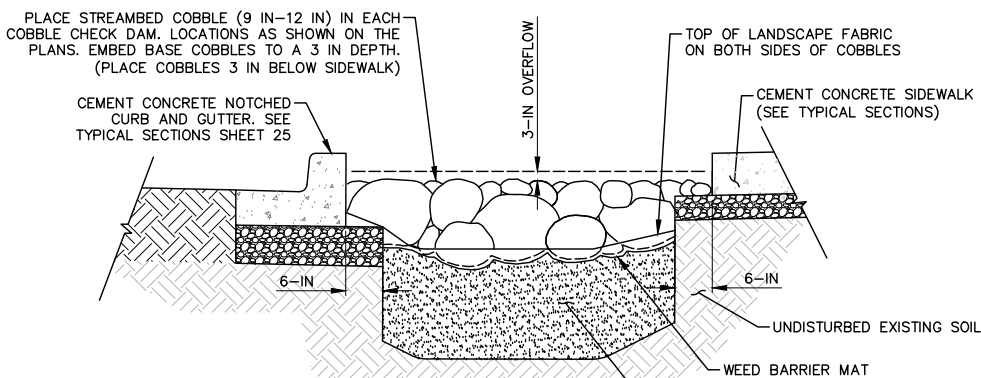
**PLANT SPACING**  
N.T.S.



**CUT/FILL SLOPE WITH BARK MULCH PREPARATION**  
N.T.S.

**CONSTRUCTION NOTES**

1. NATIVE PLANT BEDS AND RAINGARDENS SHALL RECEIVE 18" TYPE A TOPSOIL AND 2" OF BARK MULCH.
2. SEEDED CUT/FILL SLOPES SHALL RECEIVE 3" TYPE A TOPSOIL TO FINISHED GRADE. HYDROSEEDING WITH SPECIFIED HYDROSEED MIX AS NOTED IN SPECIAL PROVISIONS.
3. CUT/FILL SLOPES WITH BARK SHALL RECEIVE 2" OF COMPOST, TILLED INTO TOP 10" OF SUBGRADE. DRESS COAST WITH UNIFORM 2" COVER OF BARK MULCH.



- NOTES:
1. COBBLE CHECK DAMS SHALL BE PLACED 10-FT O.C. LOCATED 5-FT UPSTREAM OF CONCRETE CURB NOTCHES.
  2. INSTALL LANDSCAPE EDGING IN ALL LOCATIONS BETWEEN COBBLE AND BARK MULCH (TYPICAL)

**COBBLE CHECK DAM PREPARATION (IN RAINGARDEN AREA ONLY)**  
N.T.S.

**PLANTING SCHEDULE**

| SYMBOL               | ABBREVIATION | BOTANICAL NAME                | COMMON NAME            | QUANTITY | SIZE               | SPACING  | REMARKS        |
|----------------------|--------------|-------------------------------|------------------------|----------|--------------------|--|----------------|
| RAINGARDEN PLANT MIX |              |                               |                        |          |                    |  |                |
|                      | CC           | CAREX COMANS                  | NEW ZEALAND HAIR SEDGE | 660      | 1 GALLON CONTAINER | INSTALL PLANS IN EQUAL PROPORTIONS ACROSS THE SITE. SPACING SHALL BE 18" O.C. IN RANDOM GROUPS OF 5, 10, AND 15 LIKE PLANTS PER GROUP. OFFSET PLANTS 6" FROM ADJACENT SIDEWALK | FULL AND BUSHY |
|                      | ID           | IRIS DOUGLASIANA              | DOUGLAS IRIS           | 660      | 1 GALLON CONTAINER |  | FULL AND BUSHY |
|                      | MA           | MAHONIA AQUIFOLIUM 'COMPACTA' | COMPACT OREGON GRAPE   | 660      | 1 GALLON CONTAINER |  | FULL AND BUSHY |
|                      |              |                               |                        |          |                    |  | FULL AND BUSHY |
|                      | RC           | RUBUS CALCYNODES              | CREeping RASPBERRY     | 660      | 1 GALLON CONTAINER |  | FULL AND BUSHY |



4/20/16

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

PLOT DATE: 3/9/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drawings\3 CAD\Drawings\10-140008\_RDT.dwg

| NO. | DATE | BY | CHKD. | REVISION |
|-----|------|----|-------|----------|
|     |      |    |       |          |
|     |      |    |       |          |
|     |      |    |       |          |

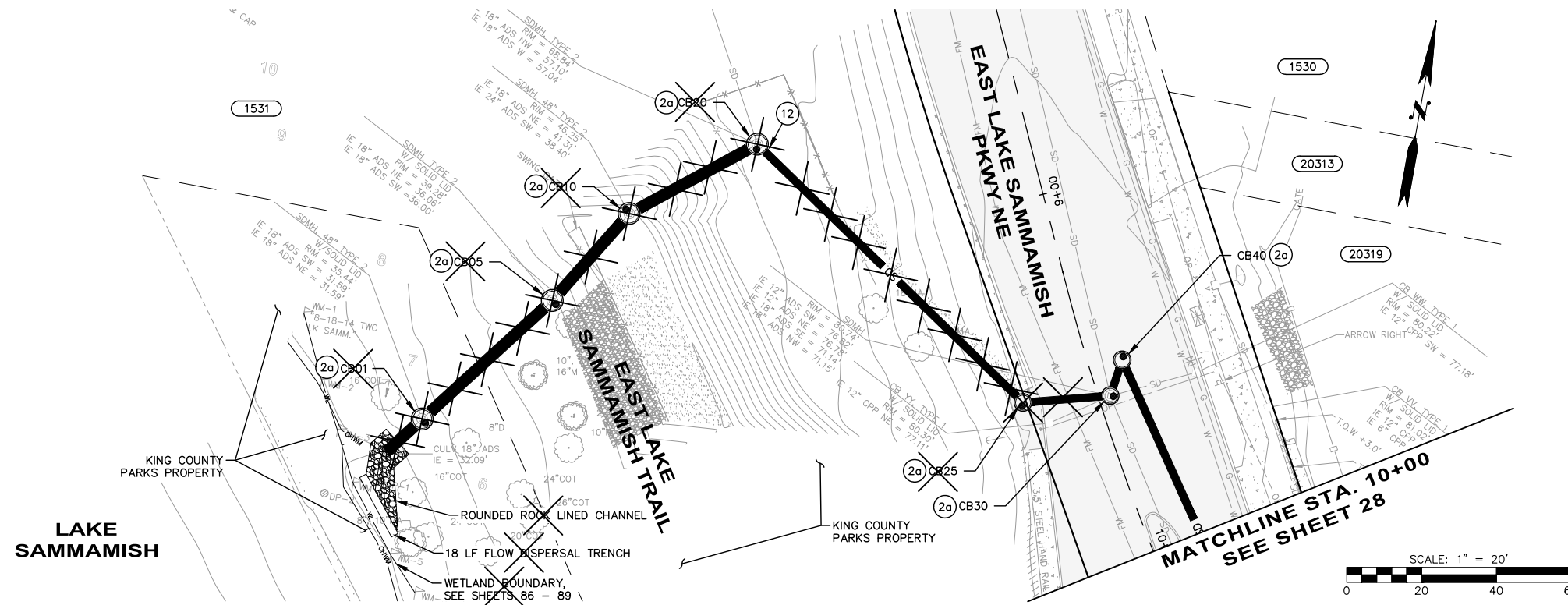


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

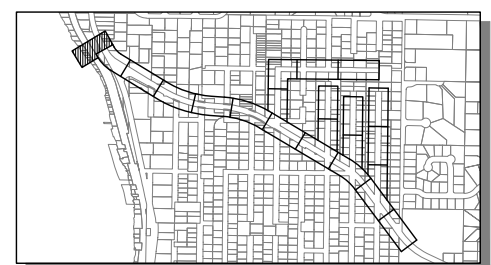
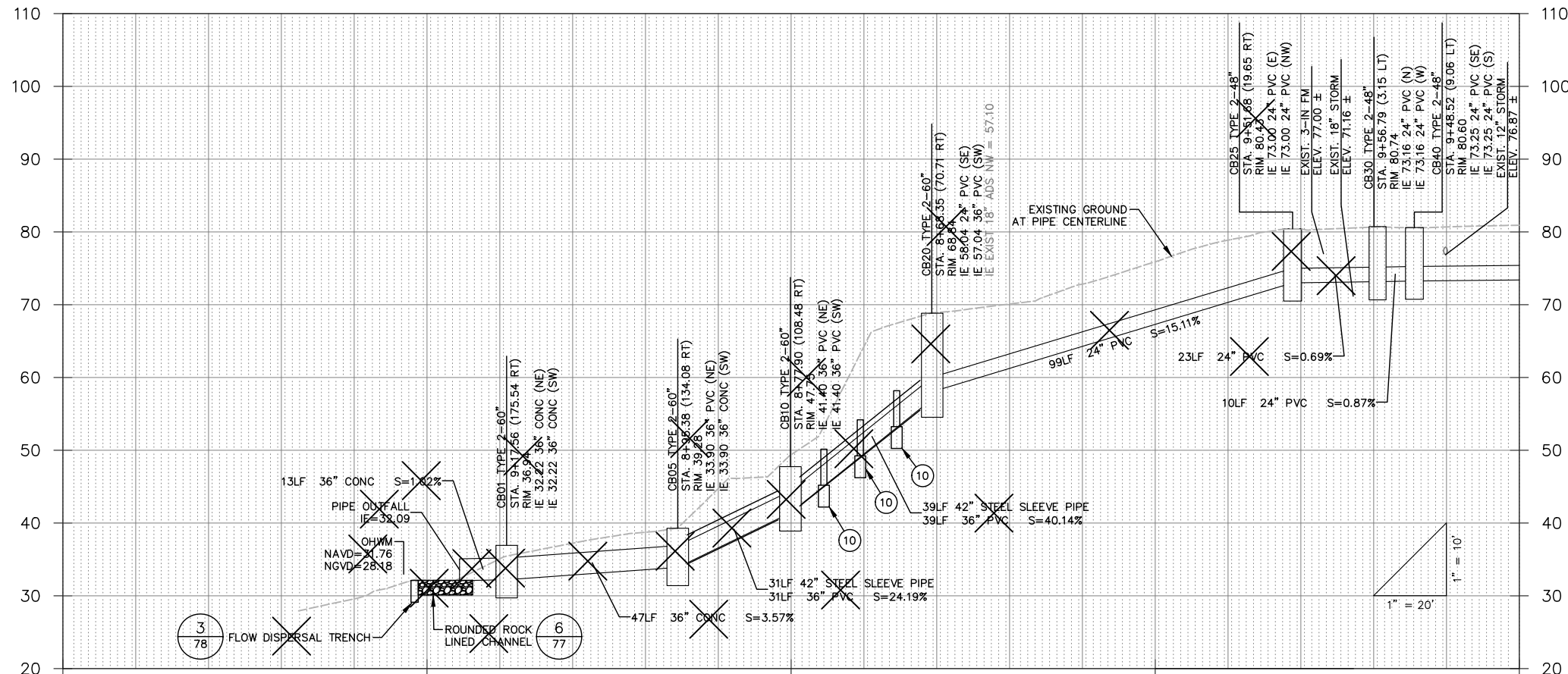
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**TYPICAL ROADWAY SECTIONS CURB AND RAINGARDEN DETAILS**

**10-14008**  
OCI PROJECT NO.  
26 89  
SHEET OF



- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOT DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



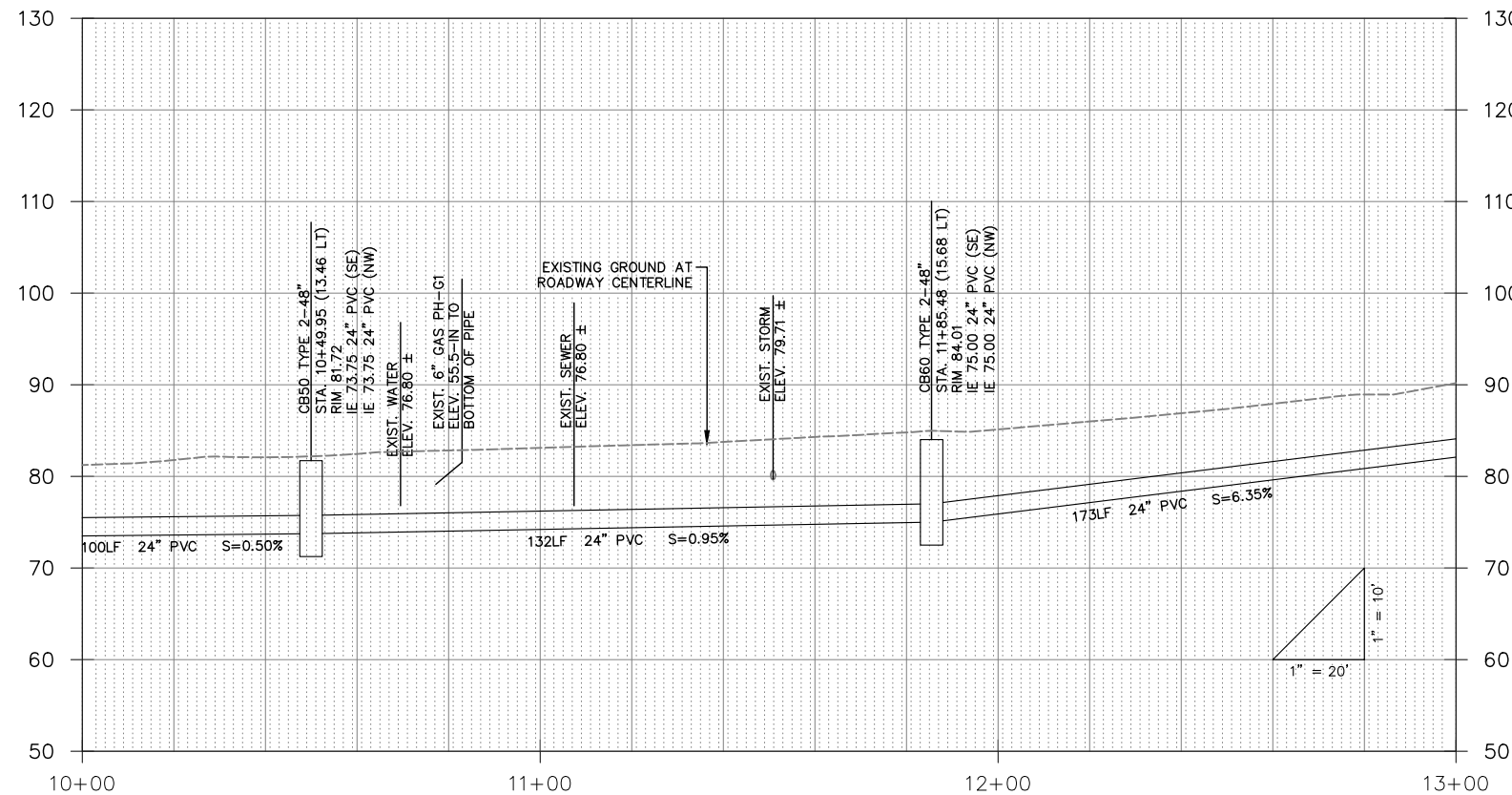
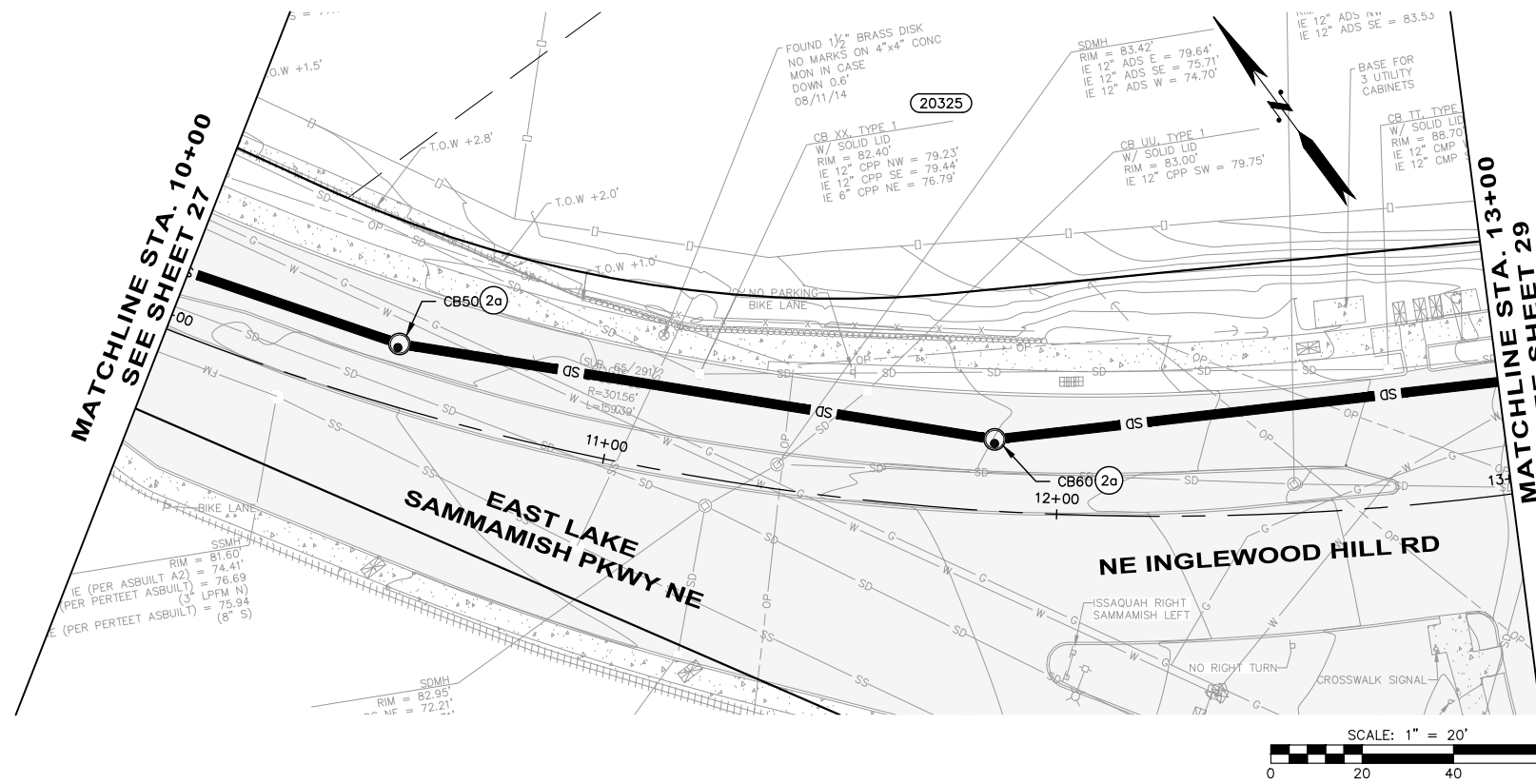
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE BEGINNING TO STA. 10+00**

**10-14008**  
OCI PROJECT NO.  
27 OF 89 SHEET



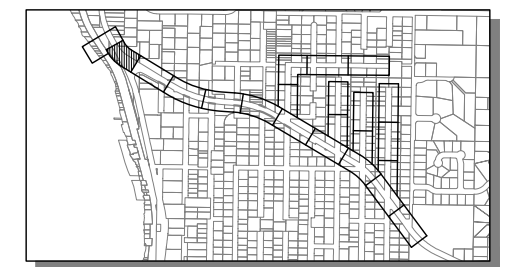


**GENERAL NOTES:**

- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- # **ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

# **DRAINAGE NOTES:**

- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
- CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
- MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
- EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
- SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
- DITCH MAINTENANCE PER SPECIFICATION 2-03.
- FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
- 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
- CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
- PIPE ANCHOR PER DETAIL SHEET 78.
- RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
- CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
- CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
- CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
- CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
- RAINGARDEN PER DETAIL SHEET 26.
- INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
- GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



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.

USER: Travis Frankel\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP01.dwg

PLOTING DATE: 4/20/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 10+00 TO STA. 13+00**

**10-140008**  
OCI PROJECT NO.  
28 89  
SHEET OF

**GENERAL NOTES:**

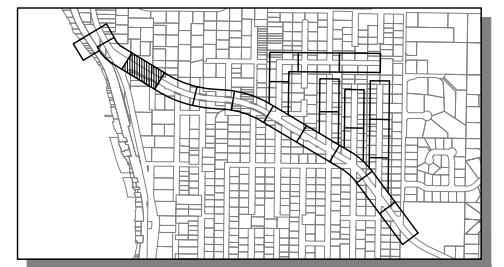
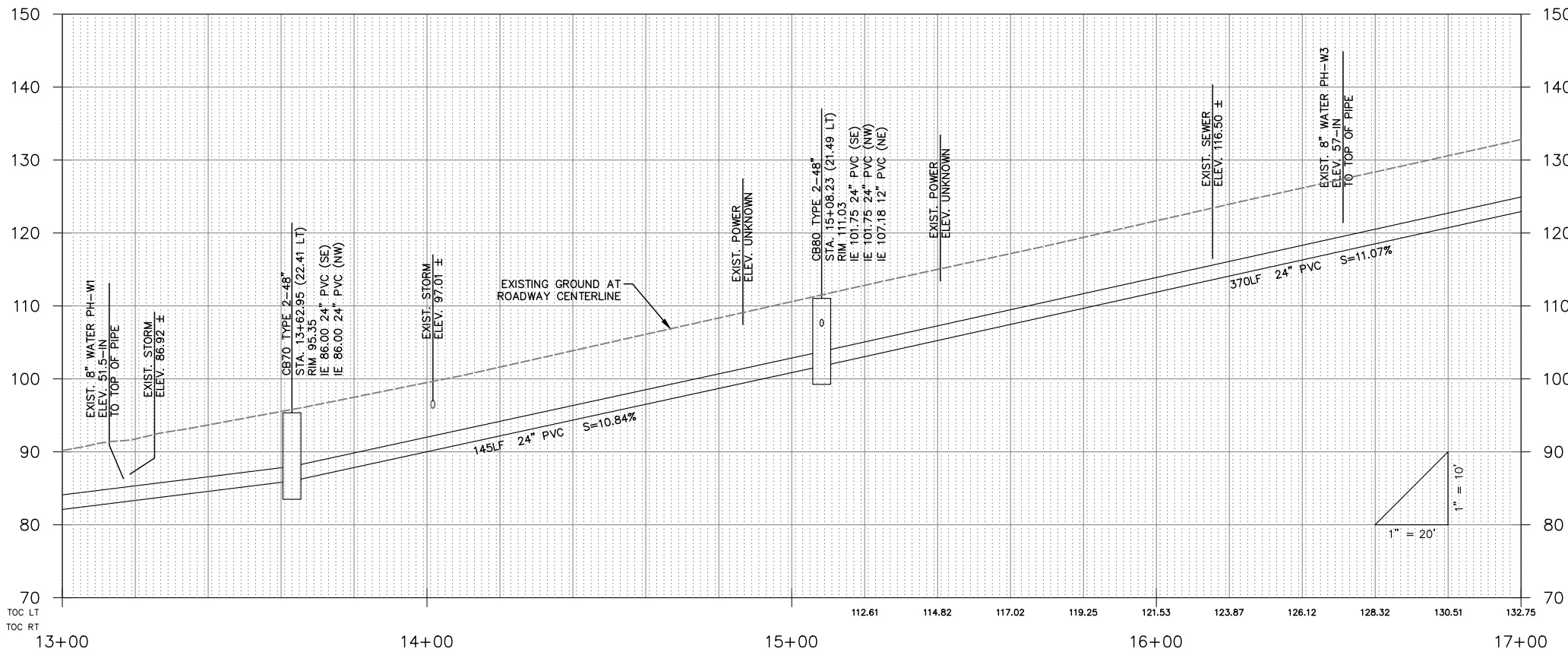
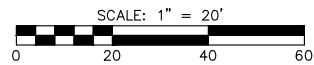
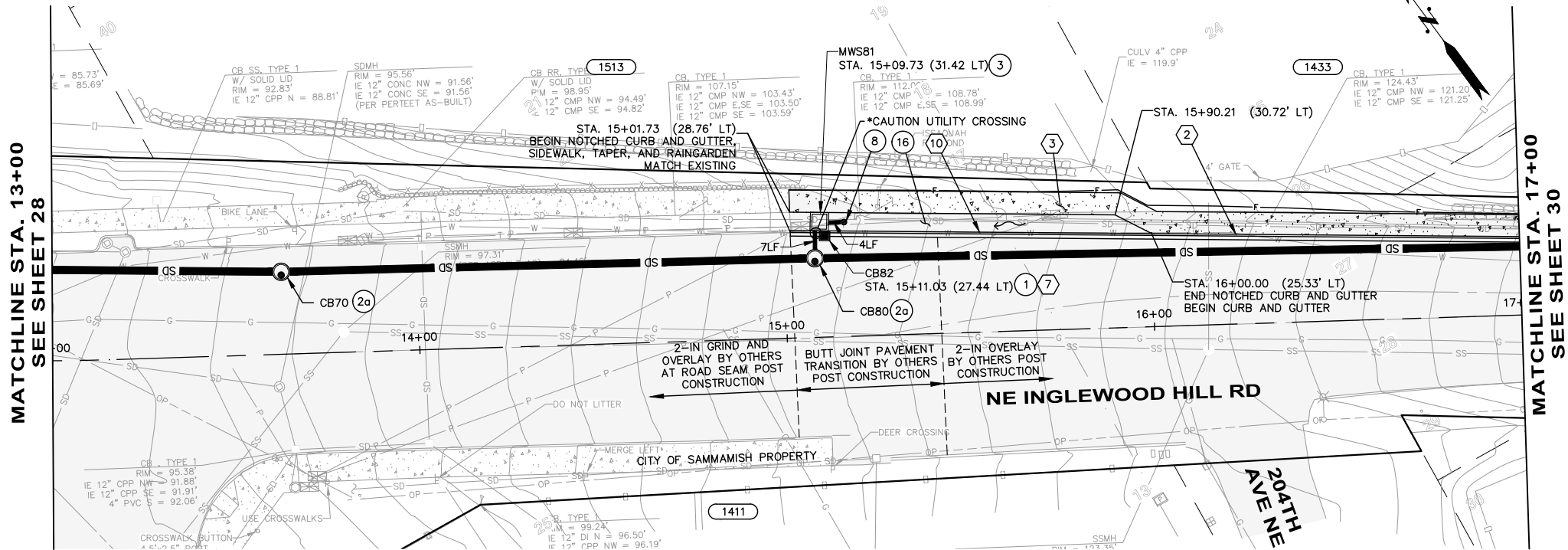
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
- SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
- SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
- ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

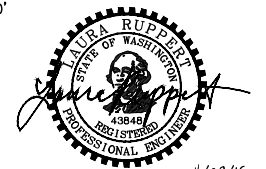
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
- CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
- CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
- RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
- CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
- TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
- CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
- COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
- HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
- CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - curb inlet opening location per detail sheet 77.
- TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
- CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
- SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
- 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
- CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
- MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
- EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
- SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
- DITCH MAINTENANCE PER SPECIFICATION 2-03.
- FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
- 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
- CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
- PIPE ANCHOR PER DETAIL SHEET 78.
- RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
- CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
- CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
- CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
- CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
- RAINGARDEN PER DETAIL SHEET 26.
- INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
- GRASS-LINED V-DITCH PER DETAIL SHEET 78.



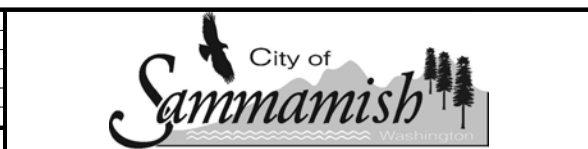
**KEY MAP**  
SCALE: 1"=1000'



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

PLOTING DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



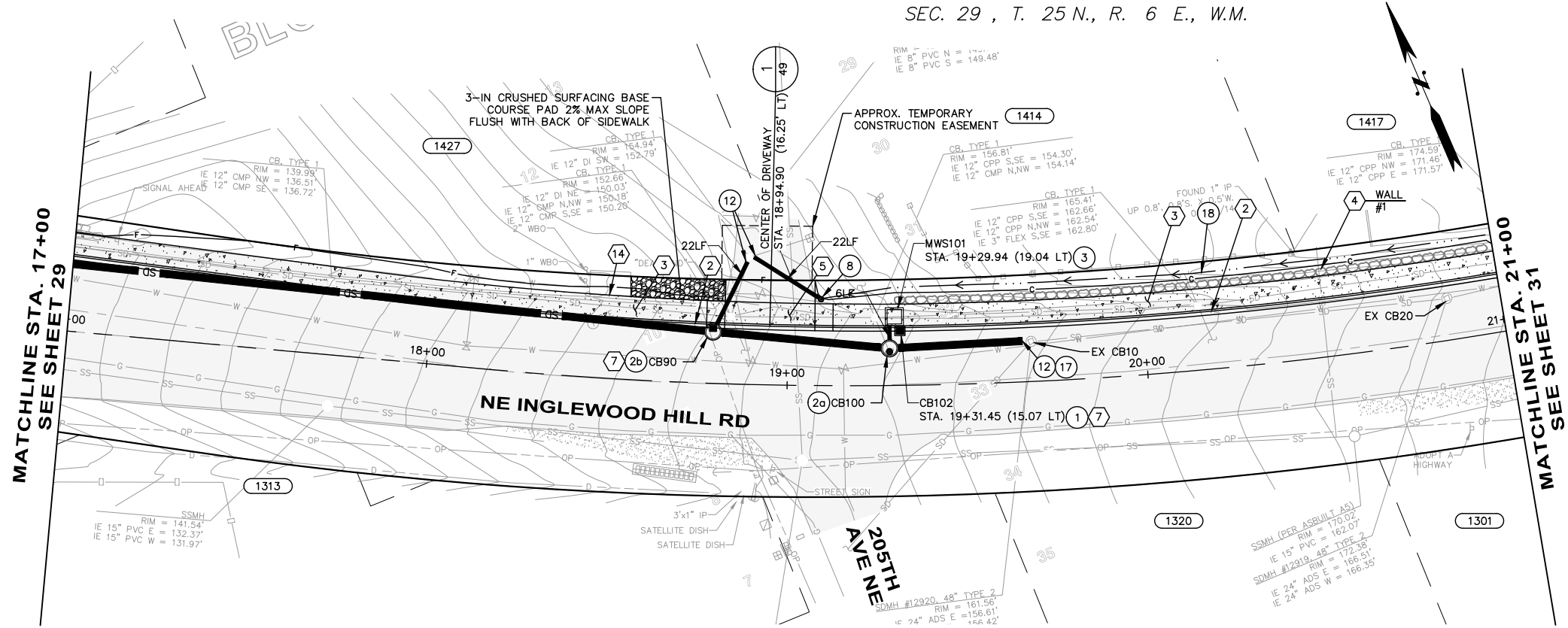
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

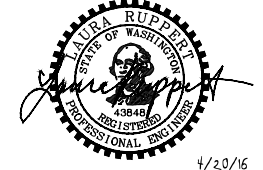
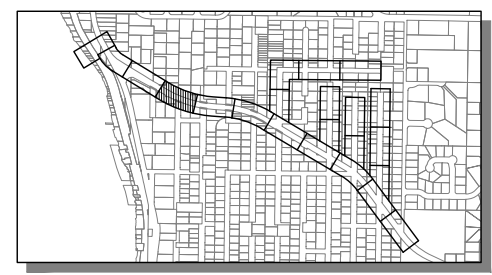
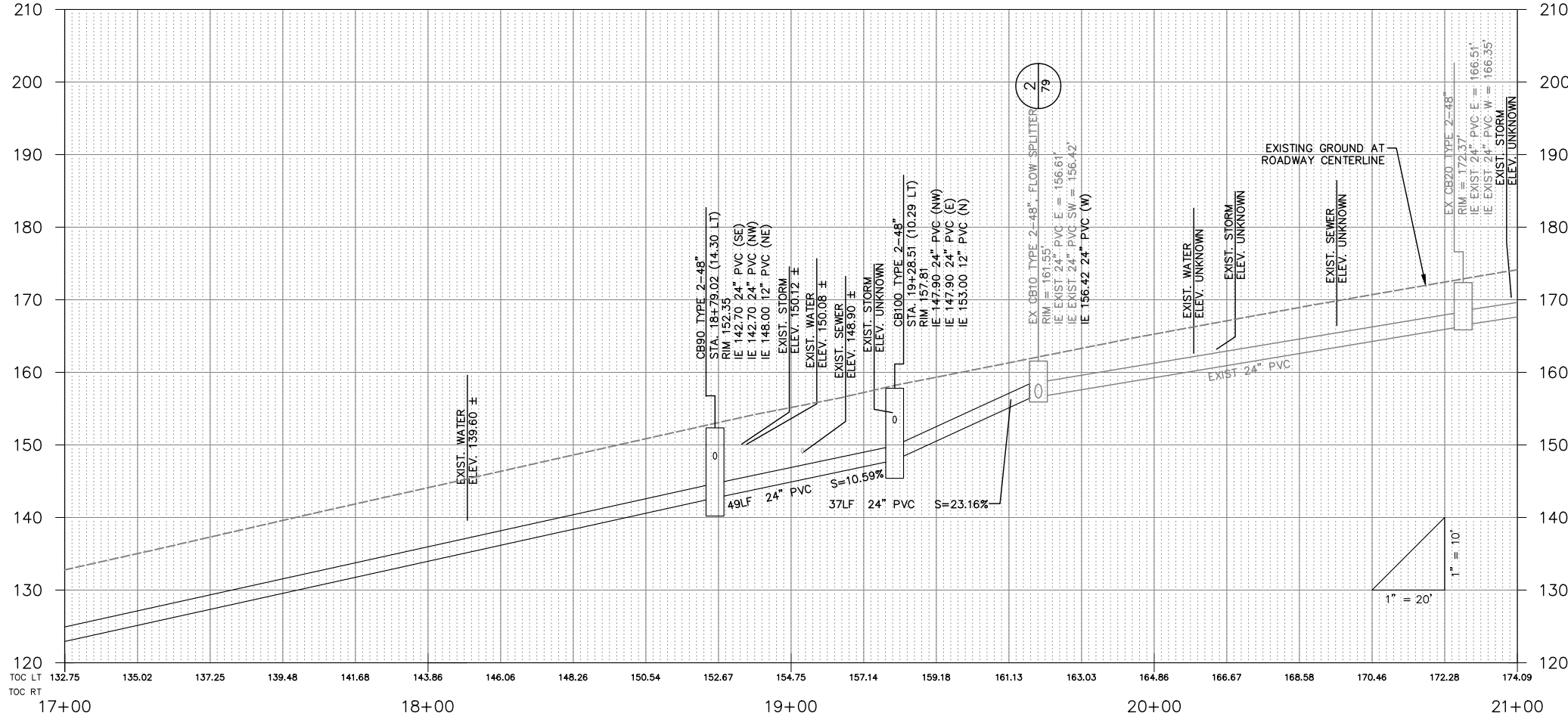
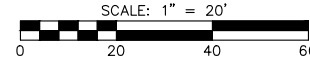
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 13+00 TO STA. 17+00**

|                  |    |
|------------------|----|
| <b>10-140008</b> |    |
| OCI PROJECT NO.  |    |
| 29               | 89 |
| SHEET            | OF |





- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



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

PLOT DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |

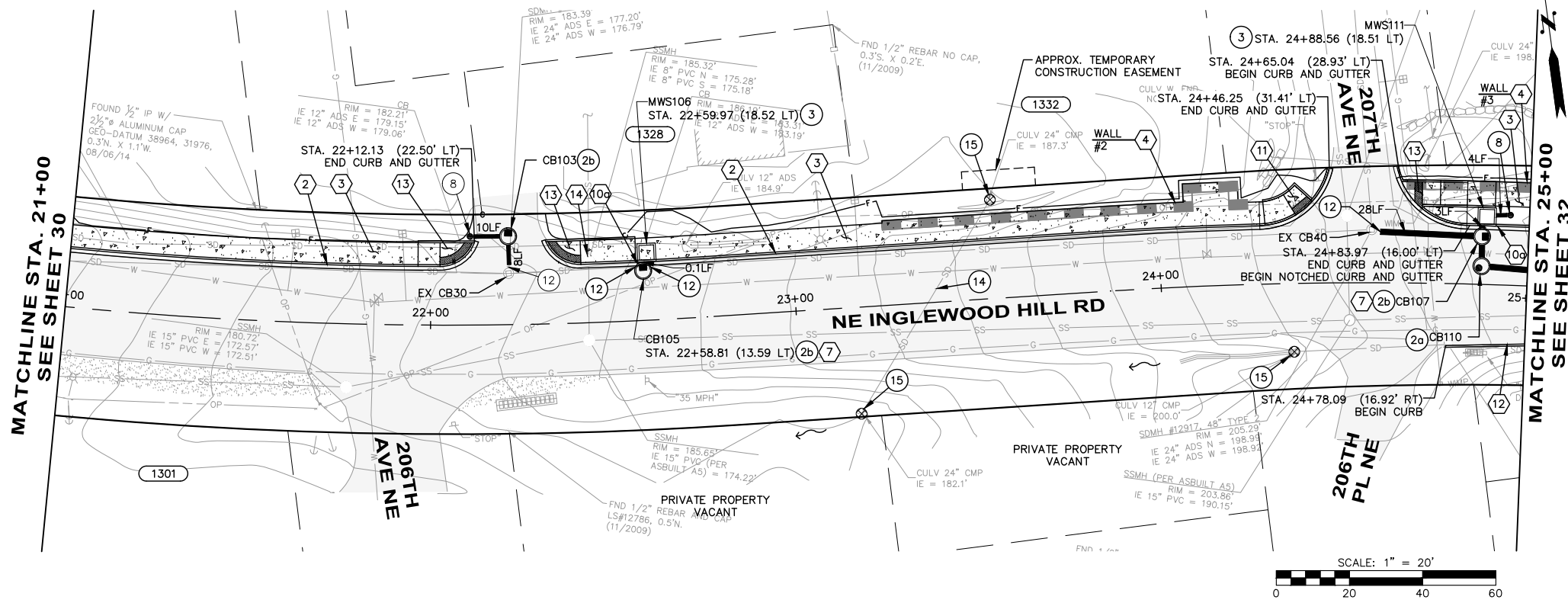


**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

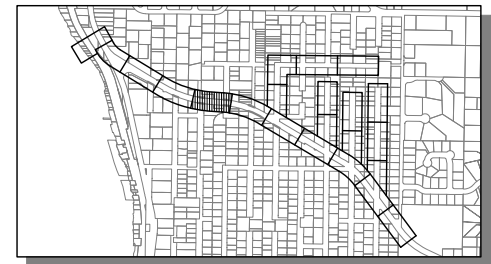
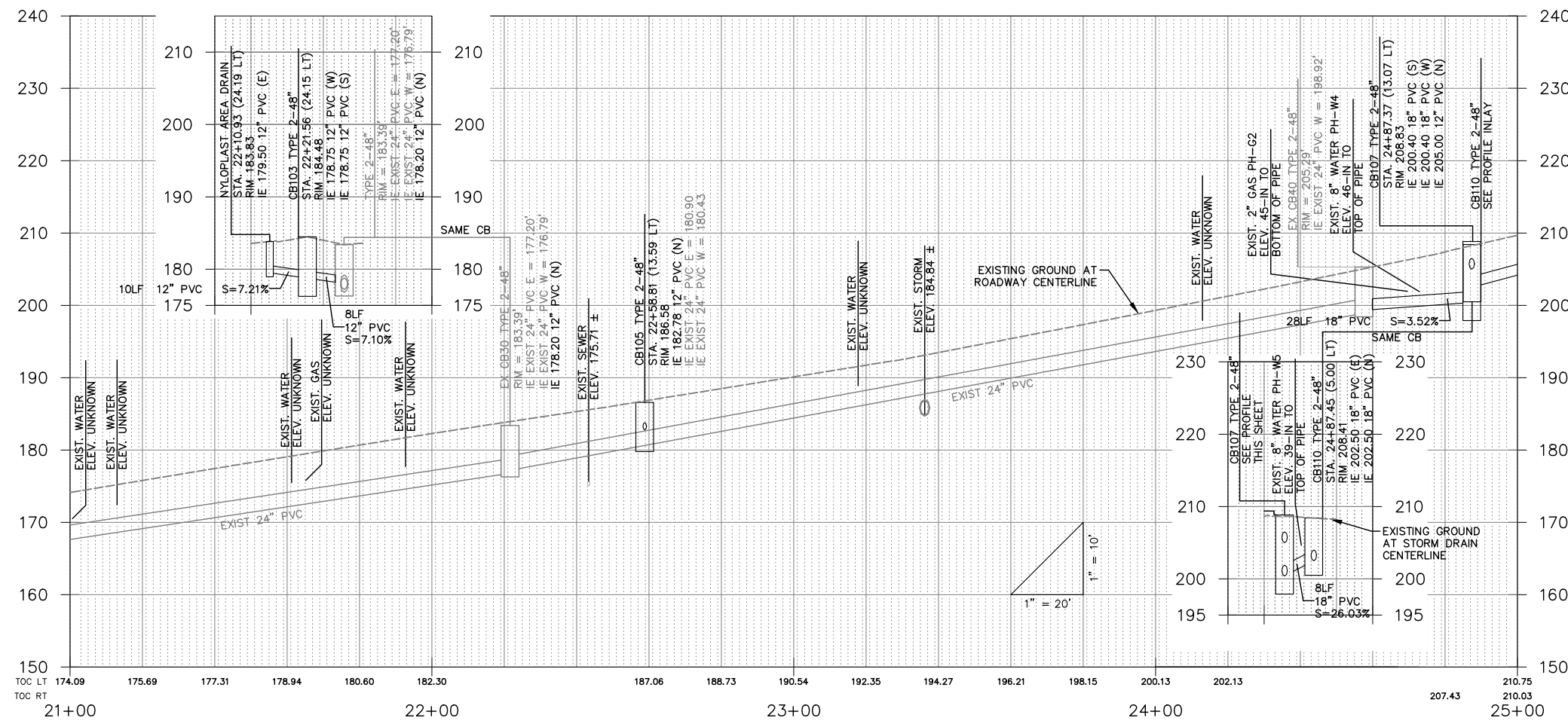
DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 17+00 TO STA. 21+00**

**10-14008**  
 OCI PROJECT NO.  
 30 OF 89 SHEET



- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**811**  
Know what's below.  
Call before you dig.

**KEY MAP**  
SCALE: 1"=1000'

**LAURA RUPPEL**  
REGISTERED PROFESSIONAL ENGINEER  
4384

4/20/16

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

PLOT DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_RPD1.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



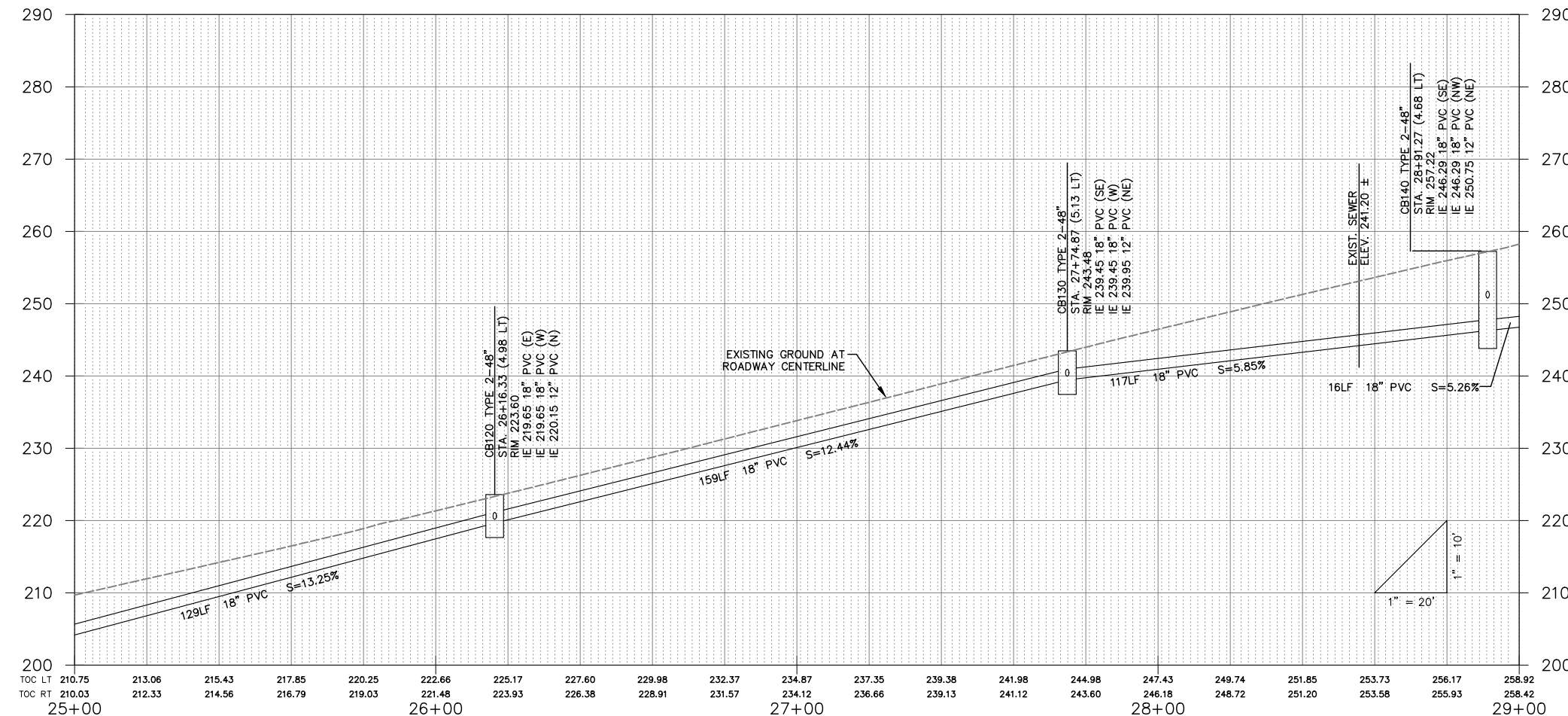
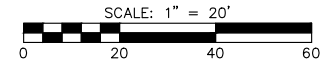
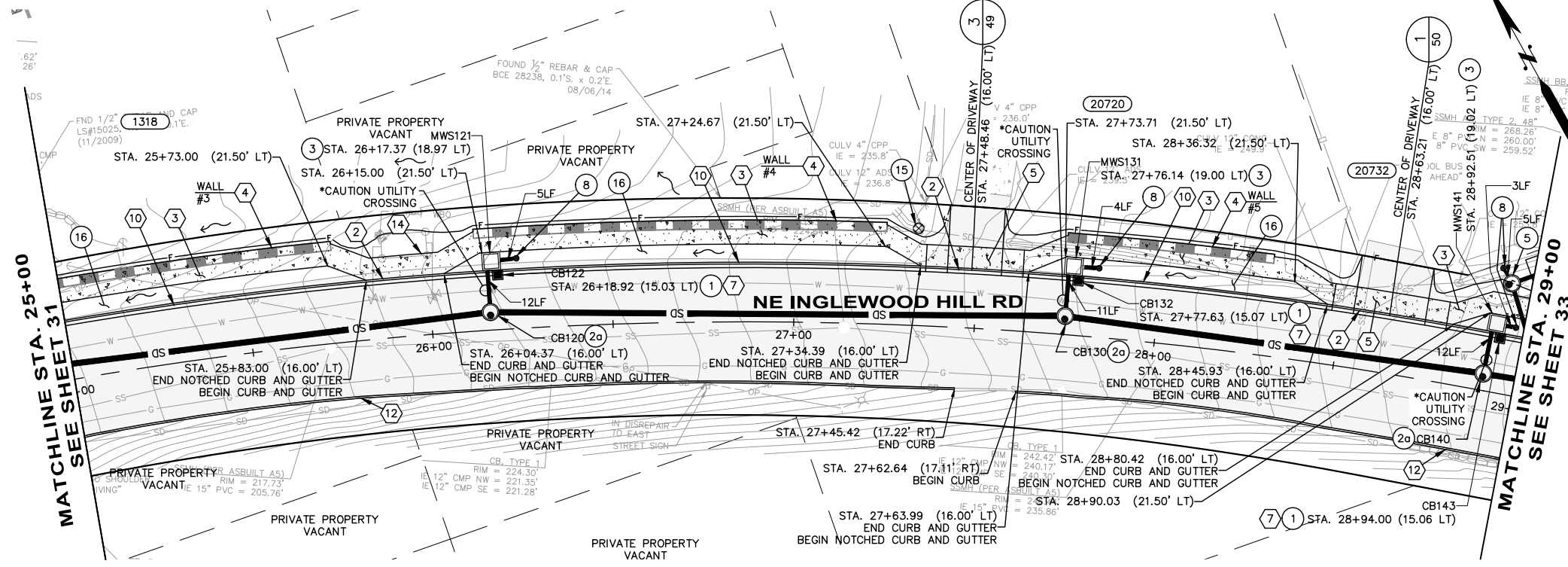
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 21+00 TO STA. 25+00**

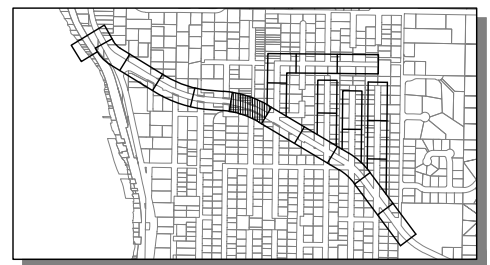
|                                    |    |
|------------------------------------|----|
| <b>10-14008</b><br>OCI PROJECT NO. |    |
| 31                                 | 89 |
| SHEET                              | OF |





|        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| TOC LT | 210.75 | 213.06 | 215.43 | 217.85 | 220.25 | 222.66 | 225.17 | 227.60 | 229.98 | 232.37 | 234.87 | 237.35 | 239.38 | 241.98 | 244.98 | 247.43 | 249.74 | 251.85 | 253.73 | 256.17 | 258.92 |
| TOC RT | 210.03 | 212.33 | 214.56 | 216.79 | 219.03 | 221.48 | 223.93 | 226.38 | 228.91 | 231.57 | 234.12 | 236.66 | 239.13 | 241.12 | 243.60 | 246.18 | 248.72 | 251.20 | 253.58 | 255.93 | 258.42 |
|        | 25+00  |        |        |        | 26+00  |        |        |        |        | 27+00  |        |        |        |        | 28+00  |        |        |        |        |        | 29+00  |

- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



4/20/16

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

PLOT DATE: 4/20/2016 USER: Travis Frankel FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP02.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |

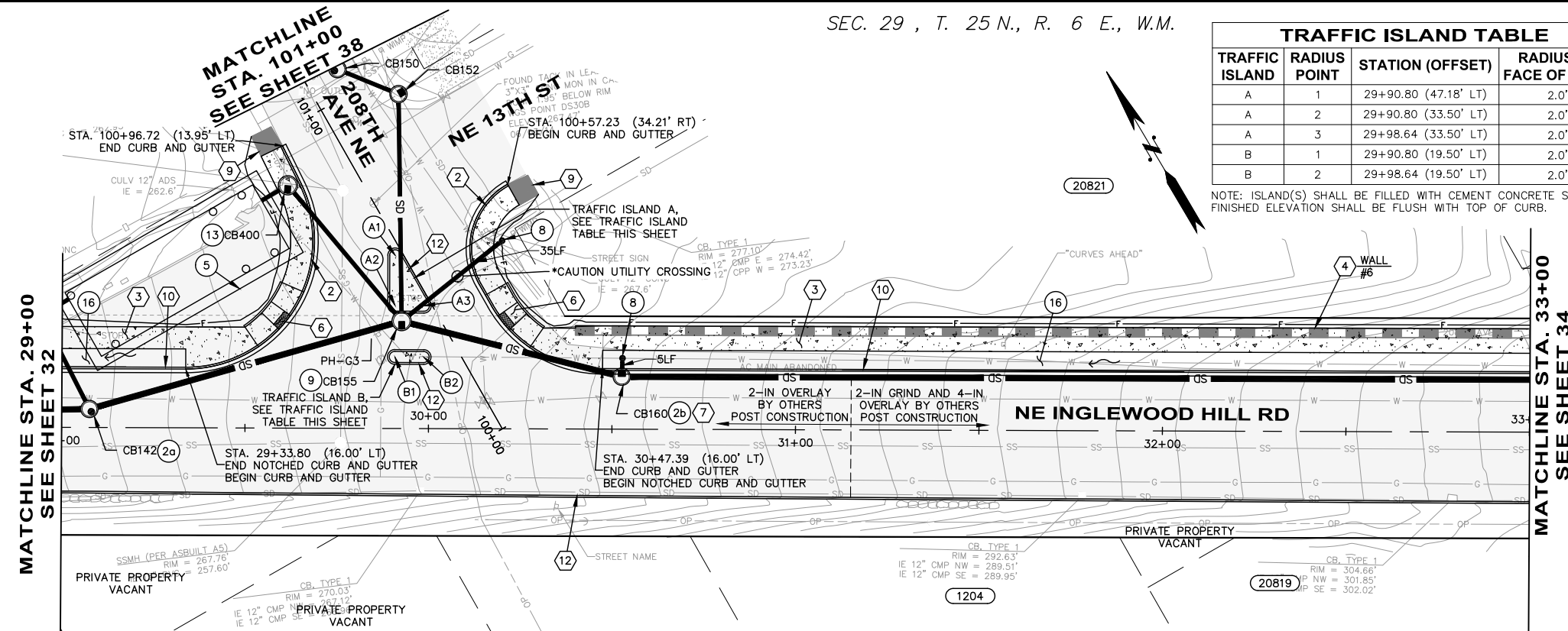


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 25+00 TO STA. 29+00**

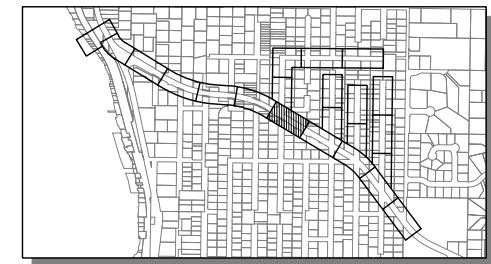
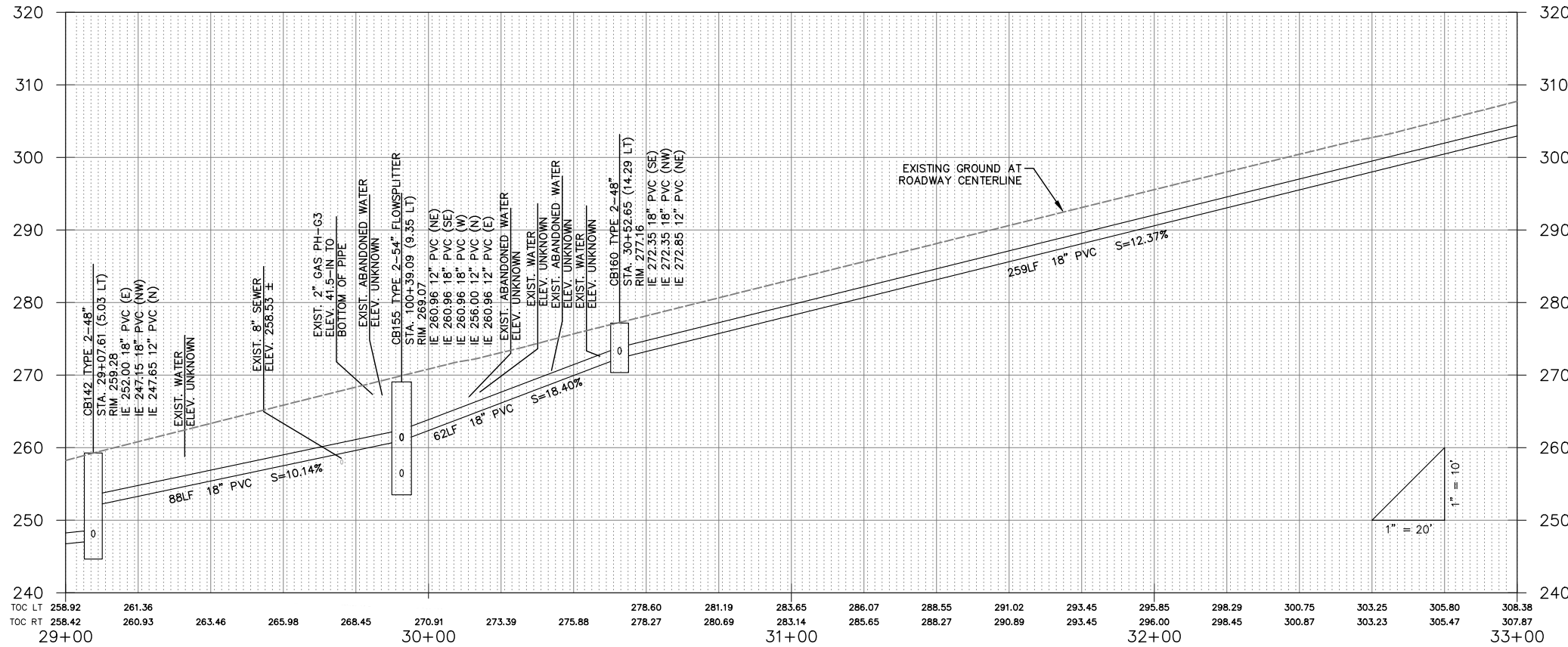
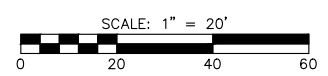
**10-14008**  
OCI PROJECT NO.  
32 OF 89  
SHEET OF



| TRAFFIC ISLAND | RADIUS POINT | STATION (OFFSET)     | RADIUS AT FACE OF CURB |
|----------------|--------------|----------------------|------------------------|
| A              | 1            | 29+90.80 (47.18' LT) | 2.0'                   |
| A              | 2            | 29+90.80 (33.50' LT) | 2.0'                   |
| A              | 3            | 29+98.64 (33.50' LT) | 2.0'                   |
| B              | 1            | 29+90.80 (19.50' LT) | 2.0'                   |
| B              | 2            | 29+98.64 (19.50' LT) | 2.0'                   |

NOTE: ISLAND(S) SHALL BE FILLED WITH CEMENT CONCRETE SIDEWALK. FINISHED ELEVATION SHALL BE FLUSH WITH TOP OF CURB.

- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



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

USER: Travis Frankel\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP02.dwg PLOTTING DATE: 4/20/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |



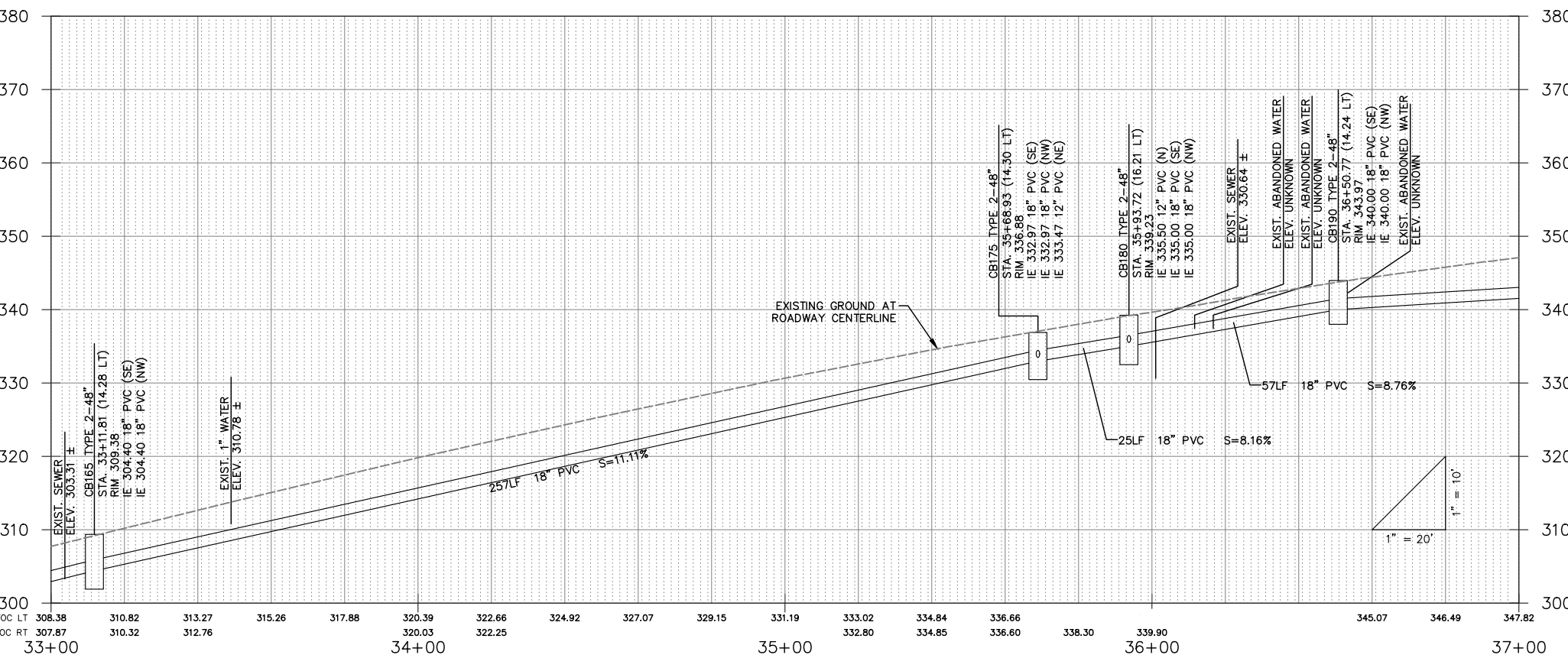
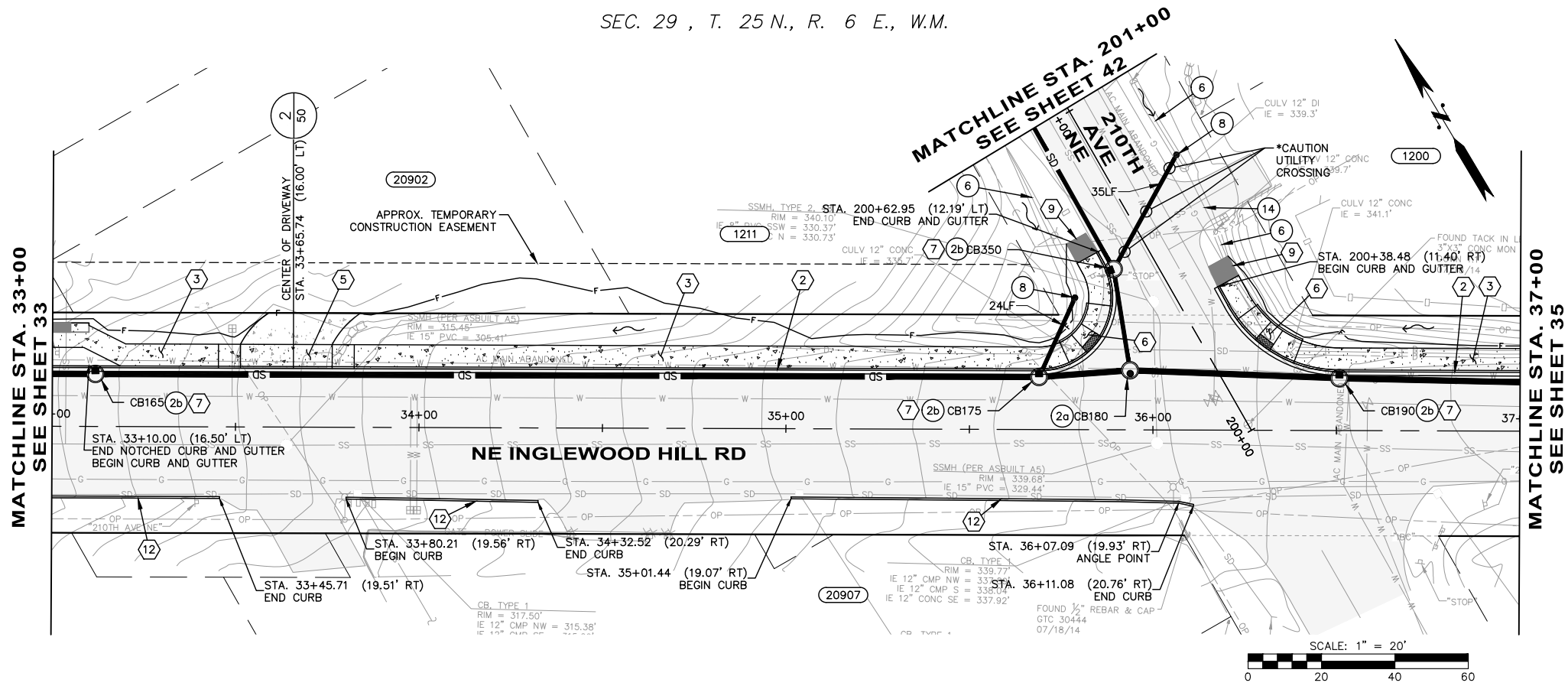
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 29+00 TO STA. 33+00**

|                                     |          |
|-------------------------------------|----------|
| <b>10-140008</b><br>OCI PROJECT NO. |          |
| 33<br>SHEET                         | 89<br>OF |





**GENERAL NOTES:**

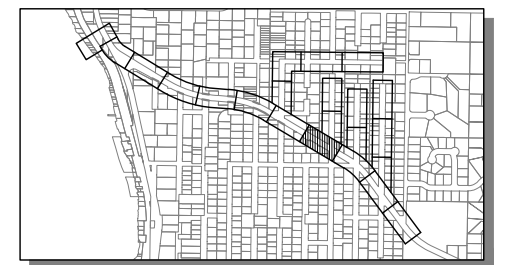
1. SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
2. SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
3. SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
4. ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

1. PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
2. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
3. CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
4. RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
5. CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
6. TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
7. CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
8. COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
9. HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
10. CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - a. curb inlet opening location per detail sheet 77.
11. TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
12. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
13. SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
14. 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

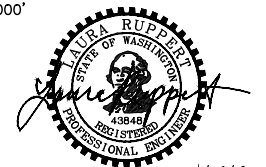
1. CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
2. CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - a. Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - b. Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
3. MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
4. EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
5. SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
6. DITCH MAINTENANCE PER SPECIFICATION 2-03.
7. FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
8. 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
9. CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
10. PIPE ANCHOR PER DETAIL SHEET 78.
11. RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
12. CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
13. CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
14. CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
15. CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
16. RAINGARDEN PER DETAIL SHEET 26.
17. INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
18. GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Frankel FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP02.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

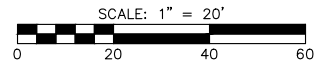
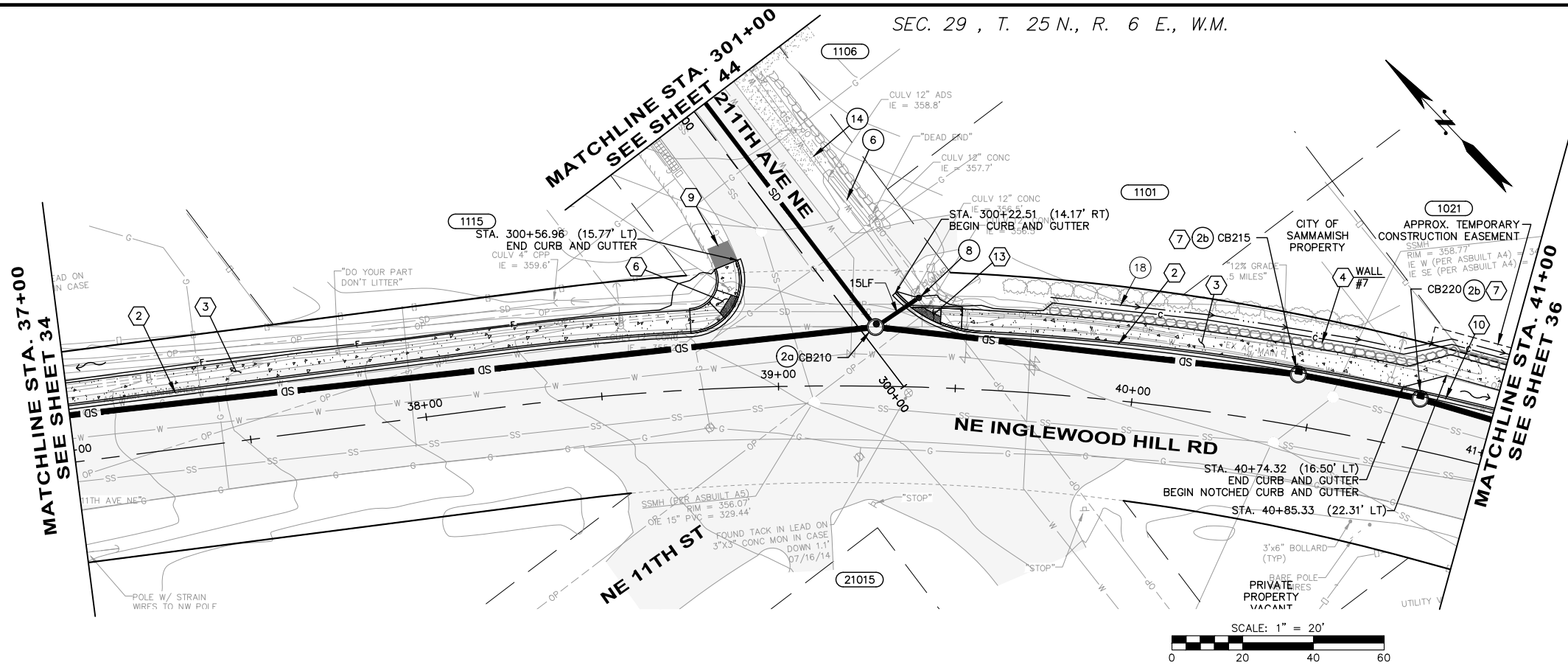


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 33+00 TO STA. 37+00**

|                                    |    |
|------------------------------------|----|
| <b>10-14008</b><br>OCI PROJECT NO. |    |
| 34                                 | 89 |
| SHEET                              | OF |



**GENERAL NOTES:**

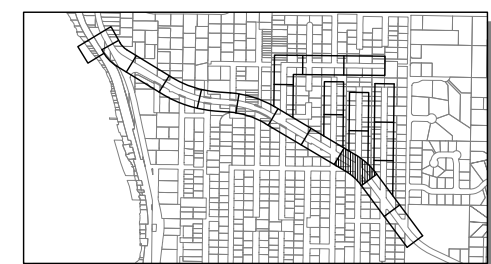
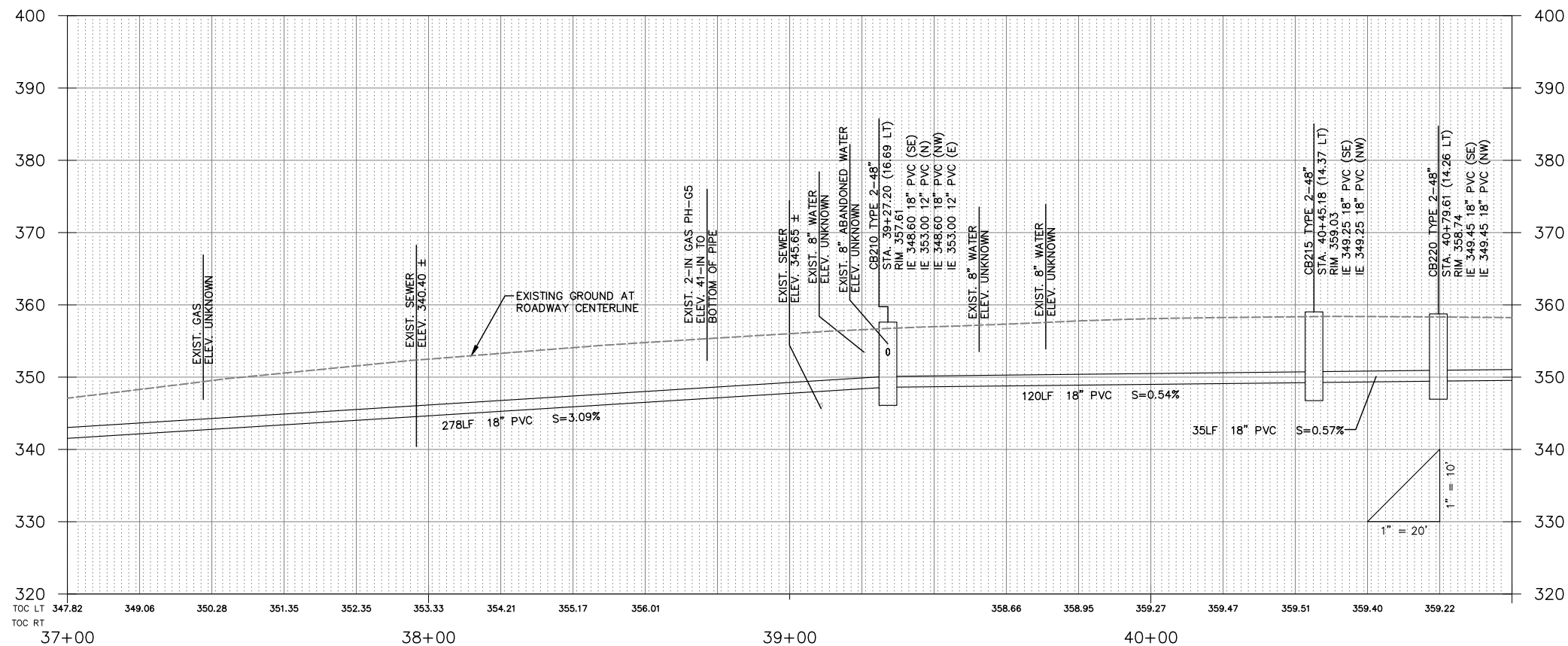
1. SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
2. SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
3. SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
4. ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

1. PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
2. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
3. CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
4. RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
5. CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
6. TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
7. CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
8. COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
9. HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
10. CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - a. curb inlet opening location per detail sheet 77.
11. TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
12. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
13. SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
14. 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

1. CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
2. CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - a. Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - b. Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
3. MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
4. EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
5. SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
6. DITCH MAINTENANCE PER SPECIFICATION 2-03.
7. FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
8. 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
9. CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
10. PIPE ANCHOR PER DETAIL SHEET 78.
11. RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
12. CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
13. CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
14. CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
15. CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
16. RAINGARDEN PER DETAIL SHEET 26.
17. INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
18. GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP02.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



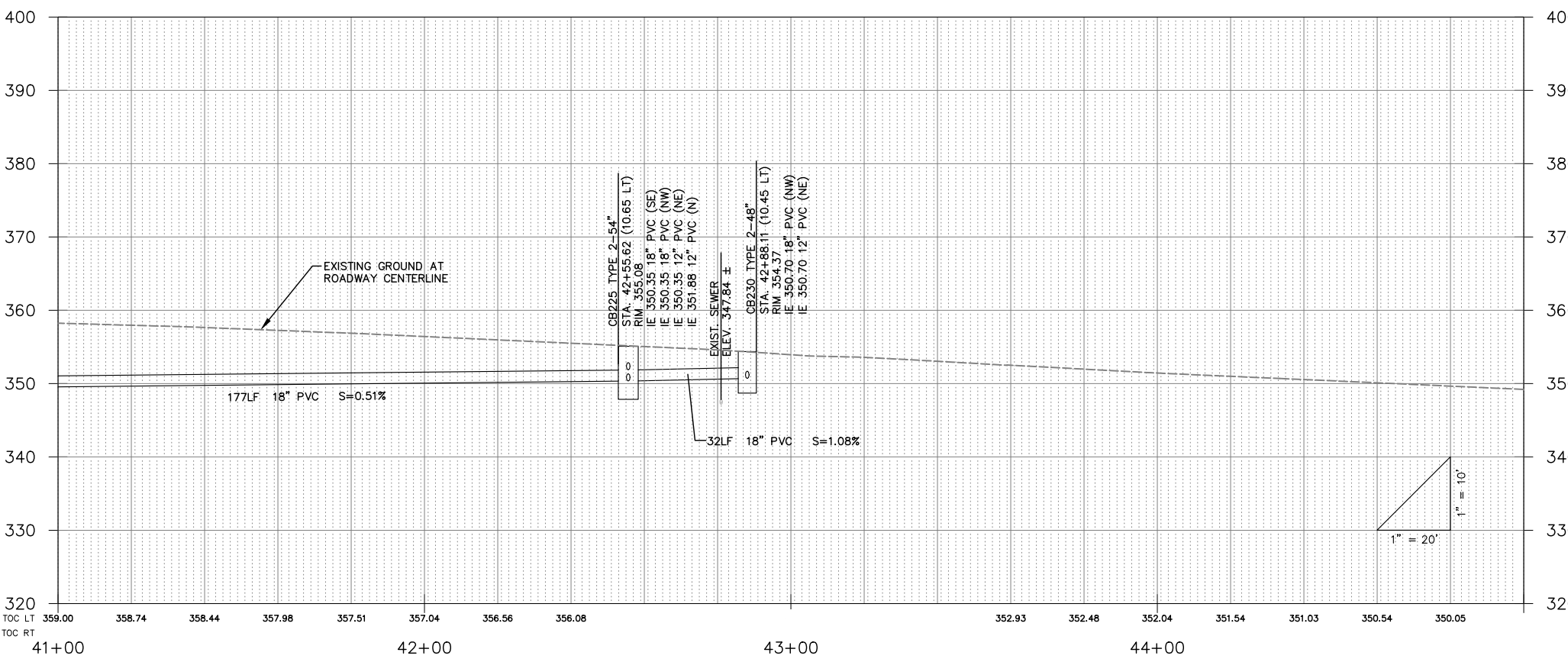
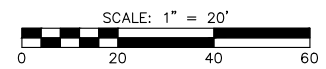
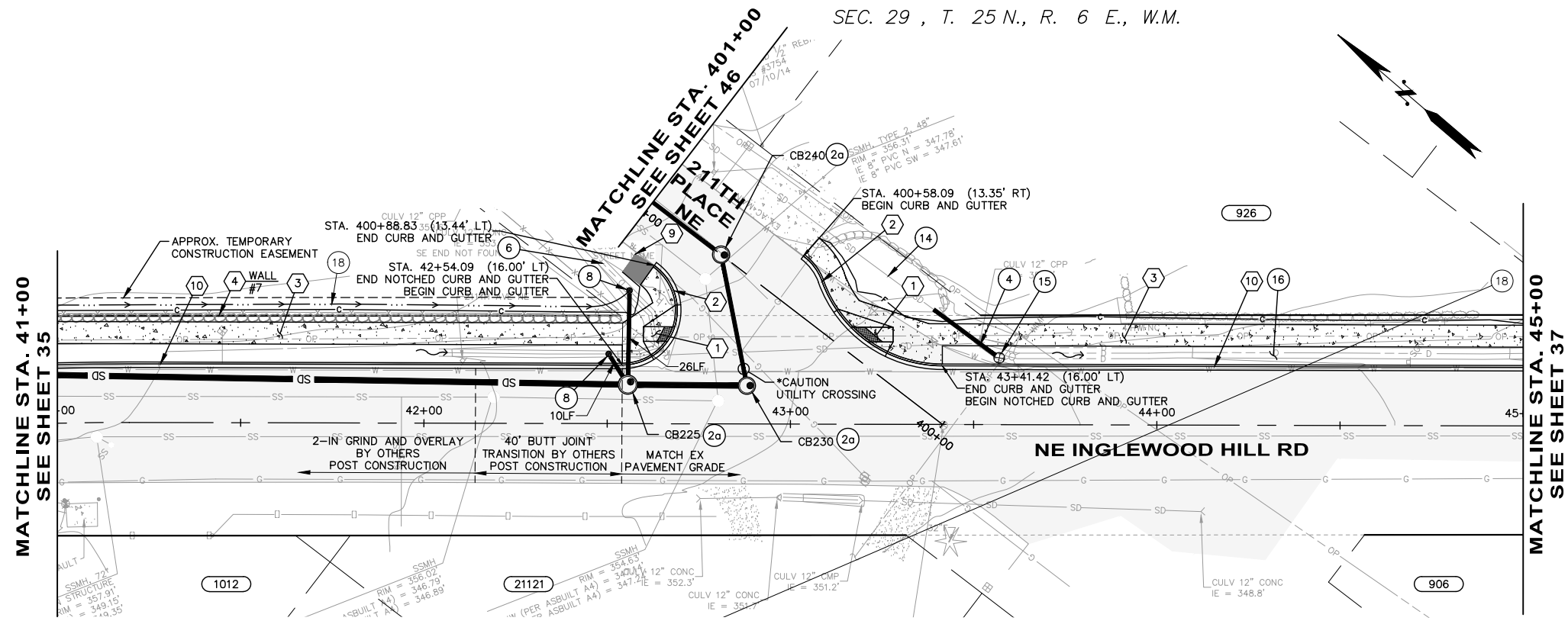
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

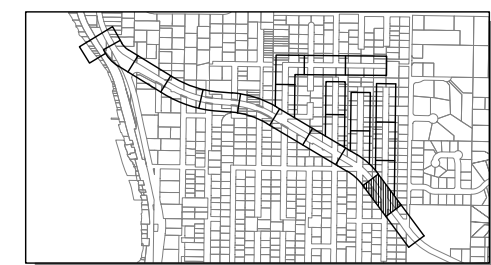
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 37+00 TO STA. 41+00**

**10-140008**  
OCI PROJECT NO.  
35 89  
SHEET OF





- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



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

PLOTING DATE: 4/20/2016 USER: Travis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP02.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

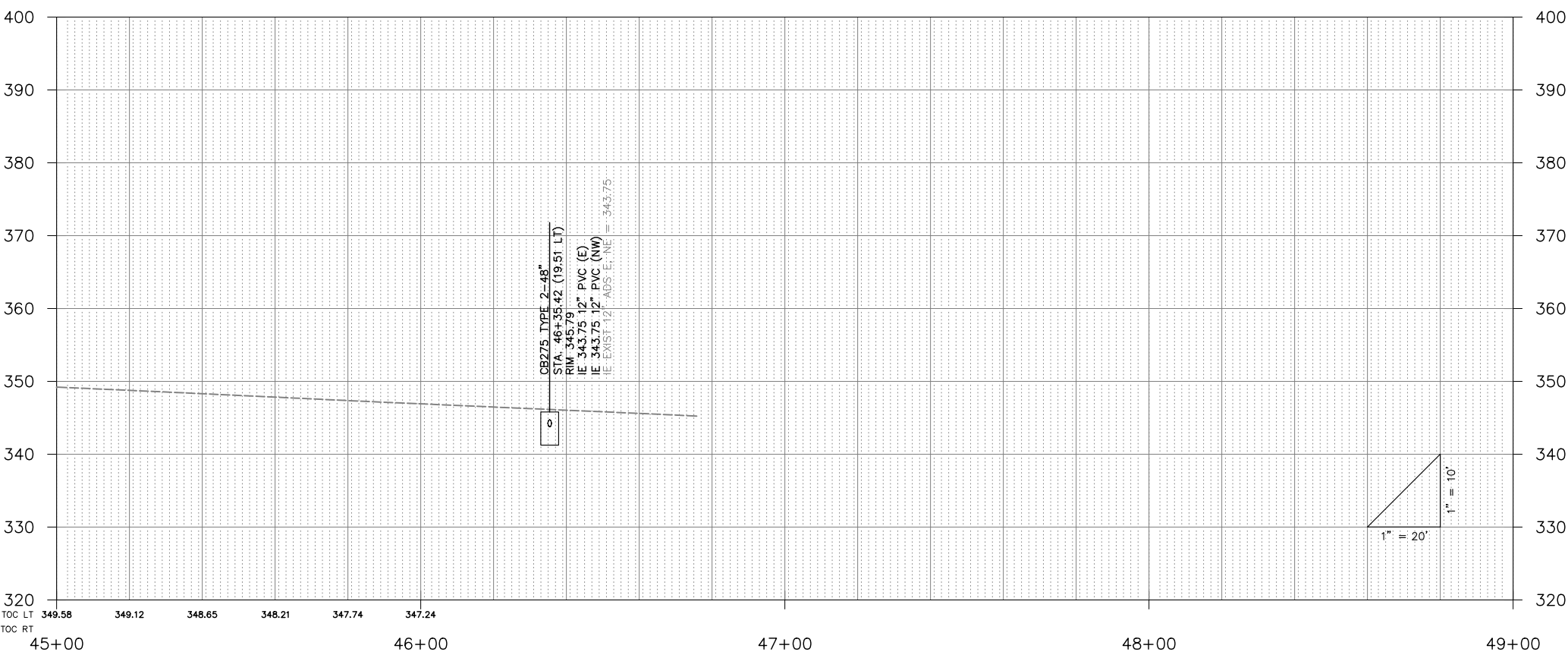
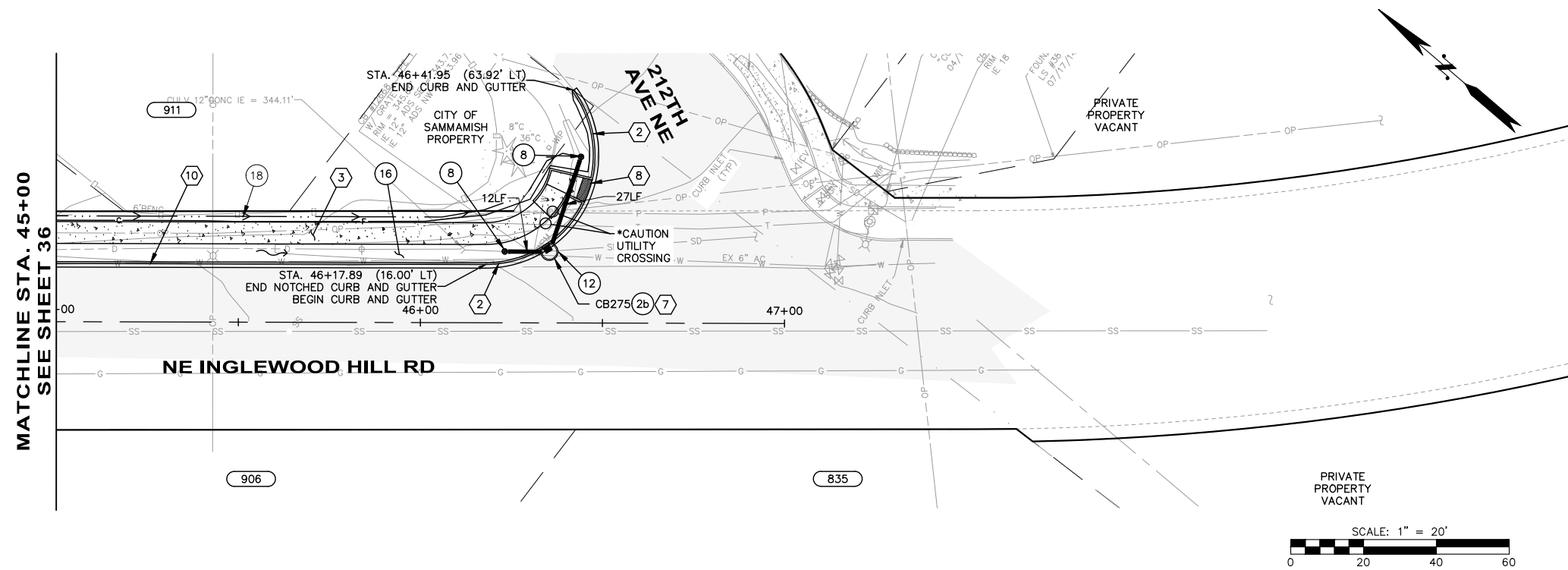


**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

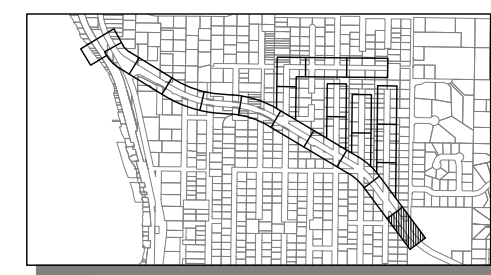
DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 41+00 TO STA. 45+00**

**10-140008**  
 OCI PROJECT NO.  
 36 OF 89  
 SHEET OF



- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 92.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'

4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP02.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



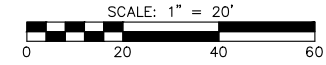
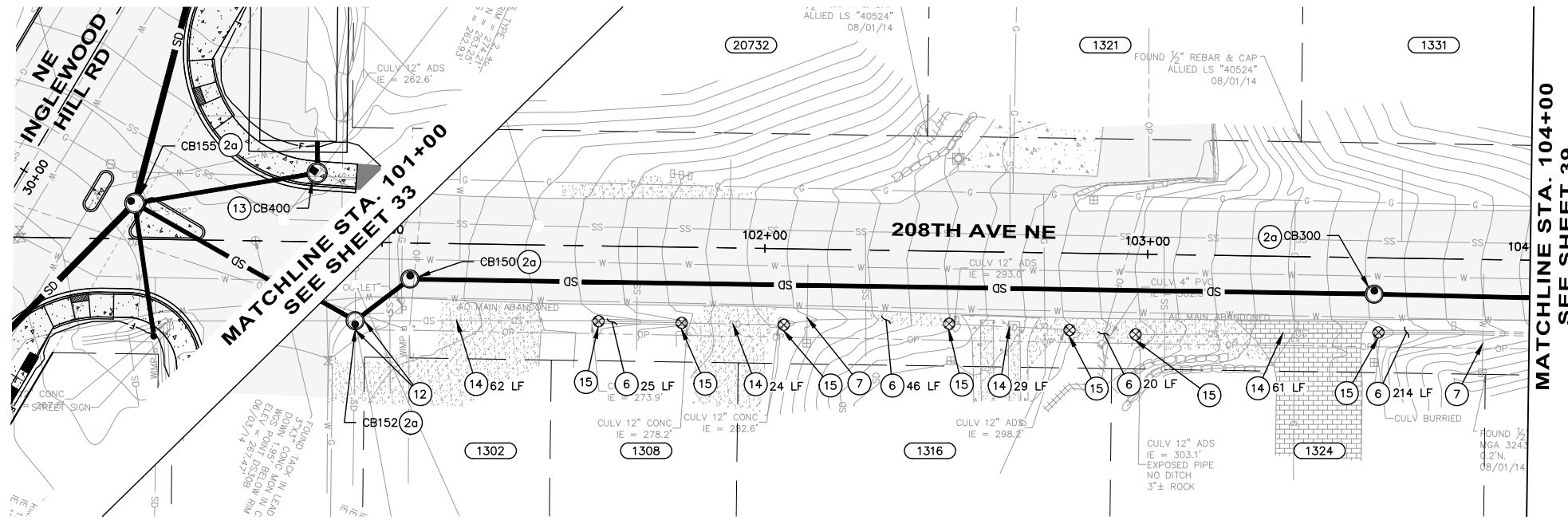
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

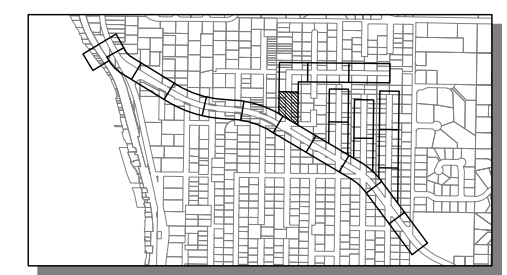
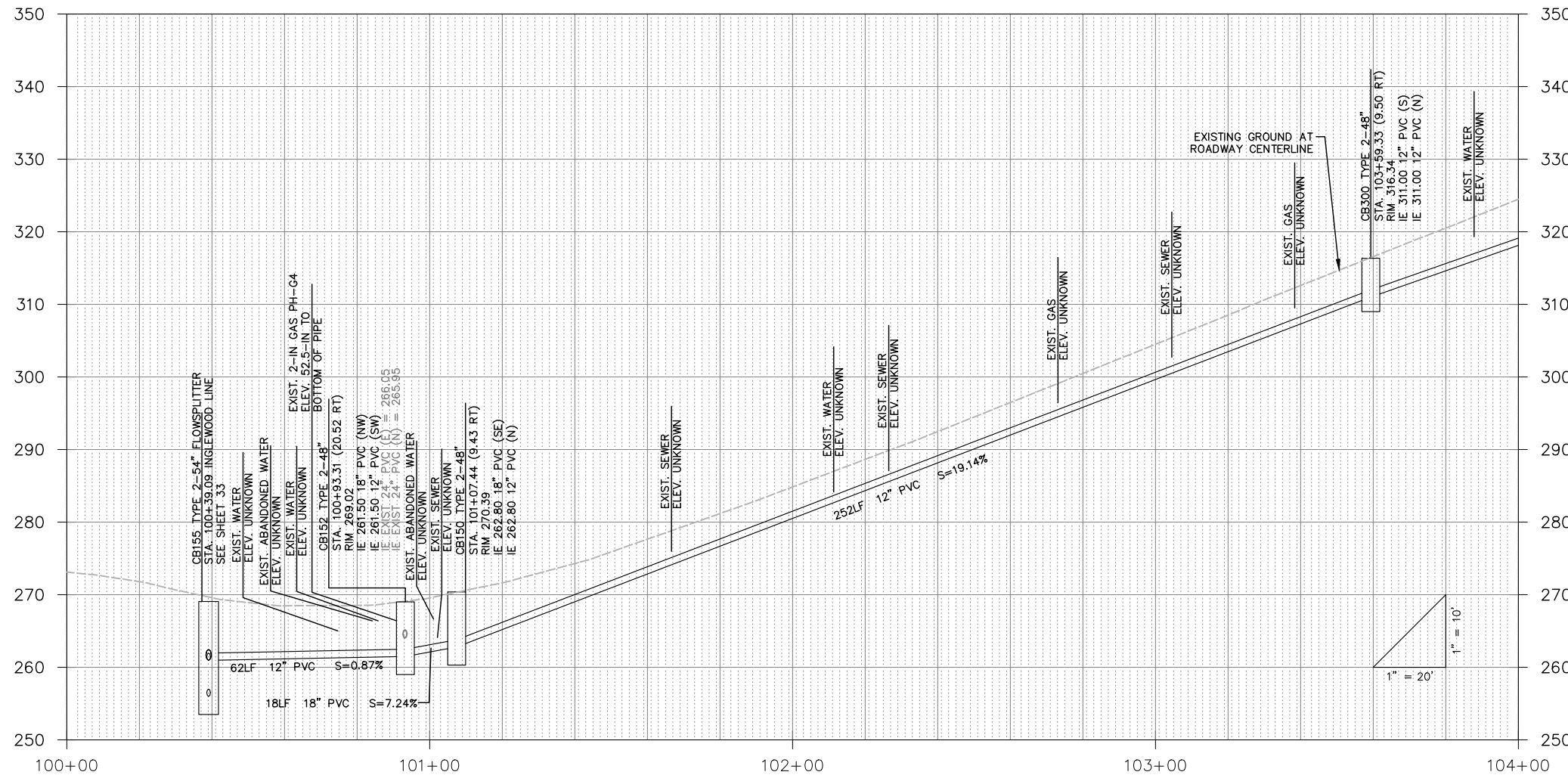
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 45+00 TO STA. 47+00**

**10-14008**  
OCI PROJECT NO.  
37 SHEET OF 89





- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOT DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP03.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



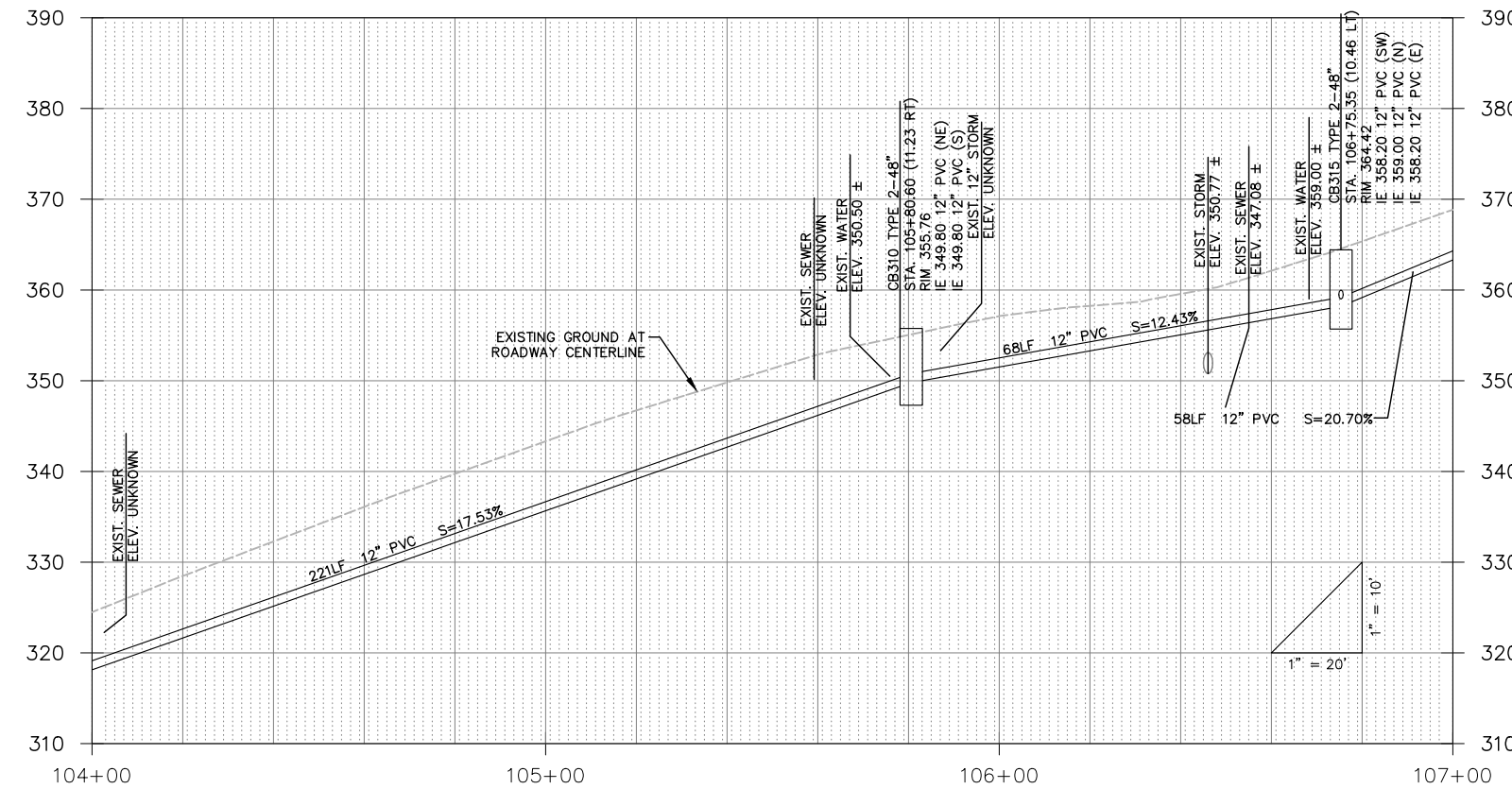
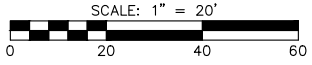
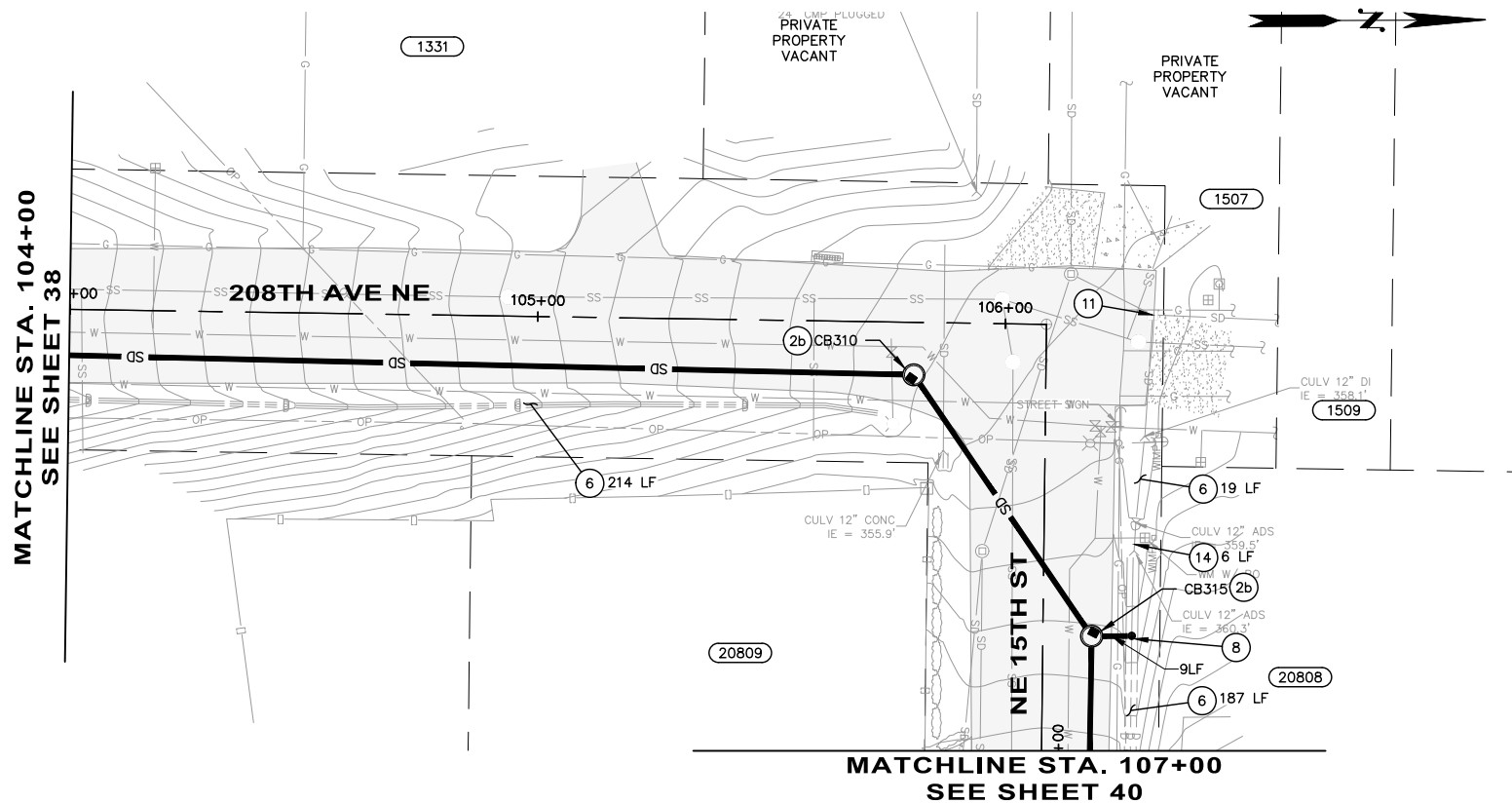
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 101+00 TO STA. 104+00**

|                                    |          |
|------------------------------------|----------|
| <b>10-14008</b><br>OCI PROJECT NO. |          |
| 38<br>SHEET                        | 89<br>OF |

SEC. 29 , T. 25 N., R. 6 E., W.M.



**GENERAL NOTES:**

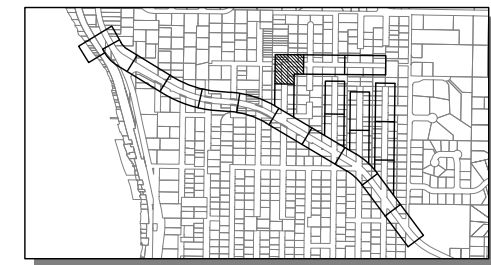
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
- SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
- SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
- ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
- CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
- CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
- RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
- CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
- TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
- CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
- COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
- HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
- CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - curb inlet opening location per detail sheet 77.
- TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
- CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
- SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
- 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
- CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
- MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
- EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
- SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
- DITCH MAINTENANCE PER SPECIFICATION 2-03.
- FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
- 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
- CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
- PIPE ANCHOR PER DETAIL SHEET 78.
- RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
- CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
- CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
- CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
- CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
- RAINGARDEN PER DETAIL SHEET 26.
- INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
- GRASS-LINED V-DITCH PER DETAIL SHEET 78.



Know what's below.  
Call before you dig.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP03.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



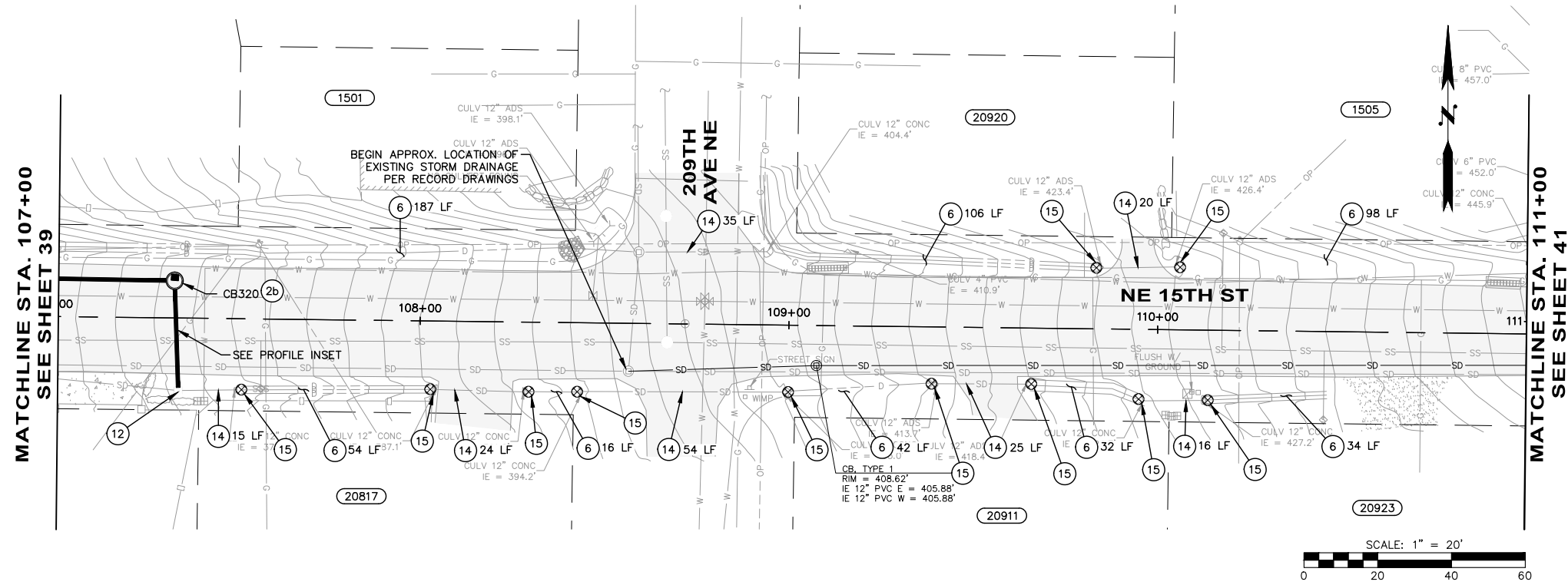
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 104+00 TO STA. 107+00**

**10-14008**  
OCI PROJECT NO.  
39 SHEET 89 OF





**GENERAL NOTES:**

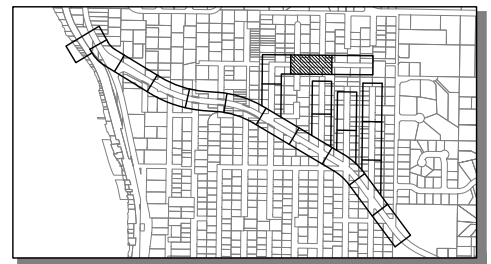
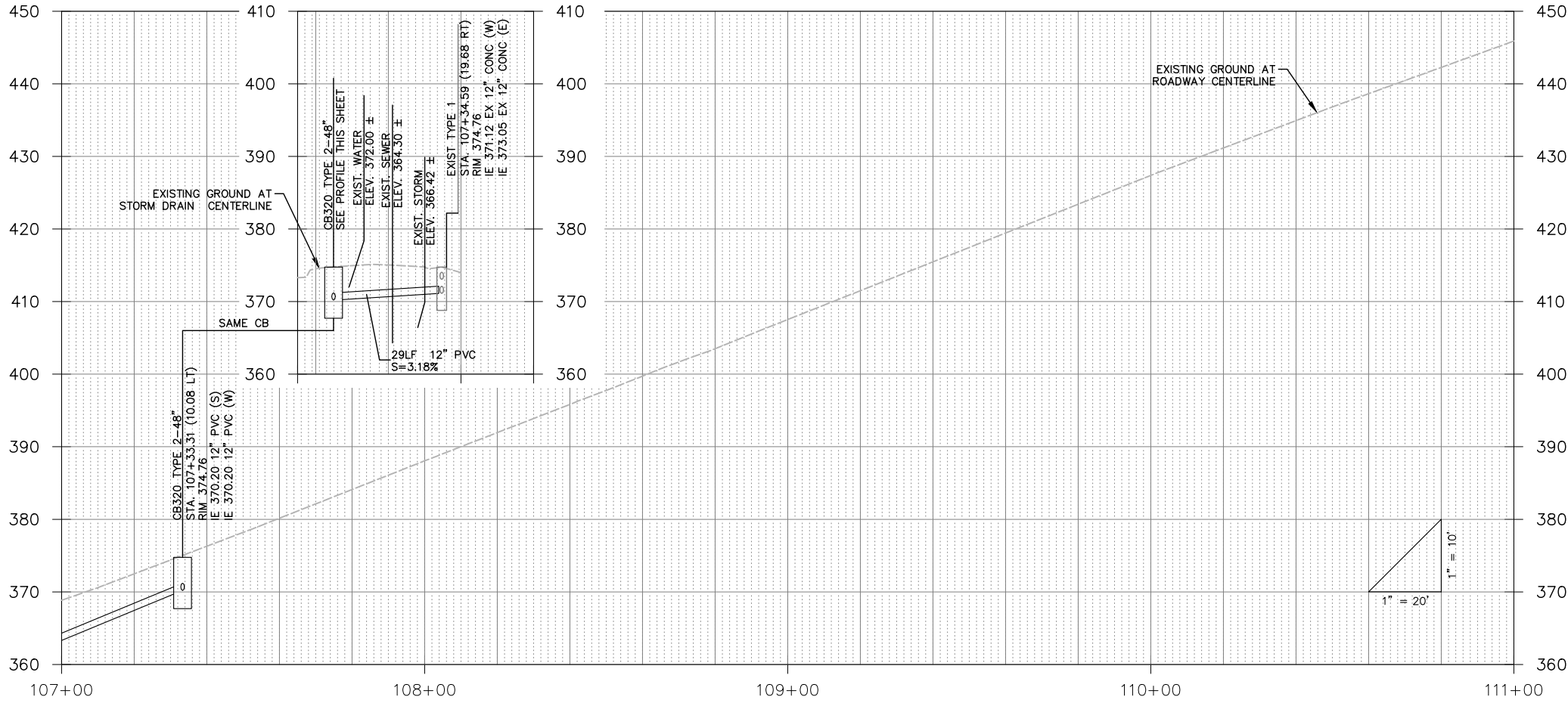
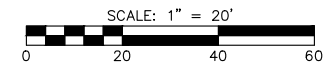
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
- SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
- SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
- ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
- CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
- CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
- RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
- CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
- TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
- CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
- COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
- HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
- CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - curb inlet opening location per detail sheet 77.
- TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
- CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
- SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
- 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
- CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
- MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
- EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
- SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
- DITCH MAINTENANCE PER SPECIFICATION 2-03.
- FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
- 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
- CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
- PIPE ANCHOR PER DETAIL SHEET 78.
- RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
- CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
- CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
- CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
- CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
- RAINGARDEN PER DETAIL SHEET 26.
- INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
- GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOT DATE: 4/20/2016 USER: Travis Frankel FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP03.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

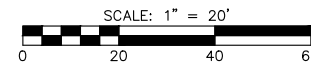
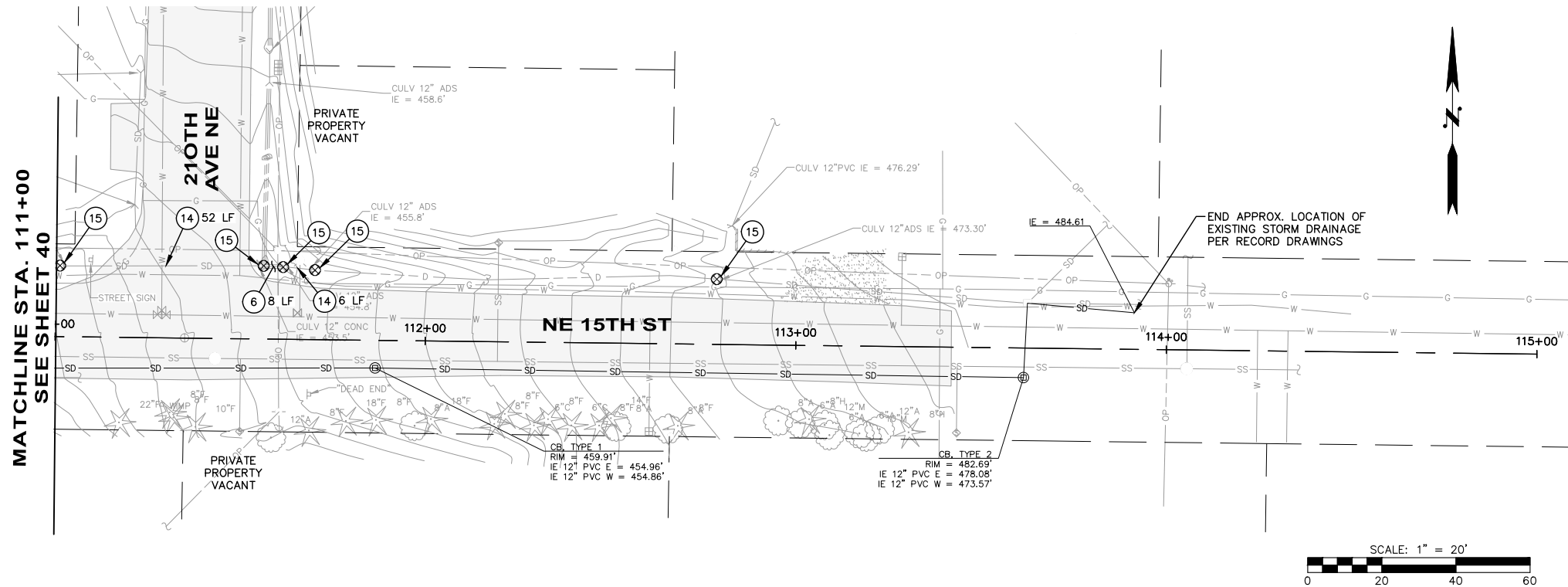


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

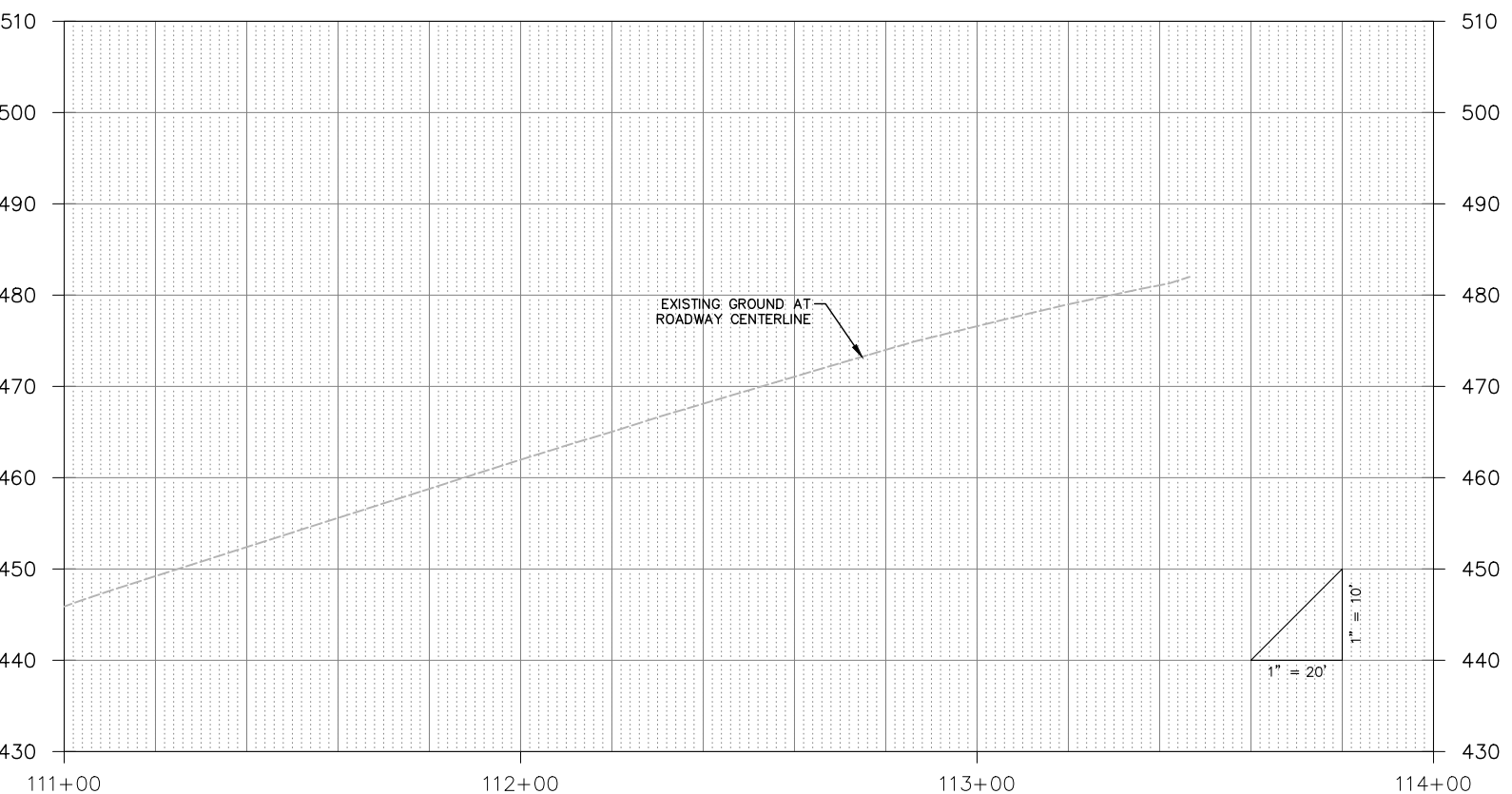
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 107+00 TO STA. 111+00**

|                                     |          |
|-------------------------------------|----------|
| <b>10-140008</b><br>OCI PROJECT NO. |          |
| 40<br>SHEET                         | 89<br>OF |



MATCHLINE STA. 111+00  
SEE SHEET 40



**GENERAL NOTES:**

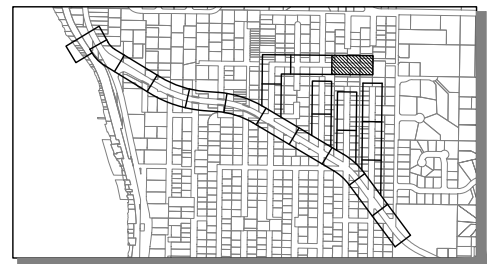
1. SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
2. SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
3. SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
4. ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

1. PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
2. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
3. CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
4. RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
5. CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
6. TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
7. CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
8. COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
9. HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
10. CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - a. curb inlet opening location per detail sheet 77.
11. TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
12. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
13. SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
14. 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

1. CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
2. CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - a. Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - b. Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
3. MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
4. EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
5. SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
6. DITCH MAINTENANCE PER SPECIFICATION 2-03.
7. FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
8. 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
9. CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
10. PIPE ANCHOR PER DETAIL SHEET 78.
11. RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
12. CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
13. CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
14. CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
15. CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
16. RAINGARDEN PER DETAIL SHEET 26.
17. INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
18. GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP03.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



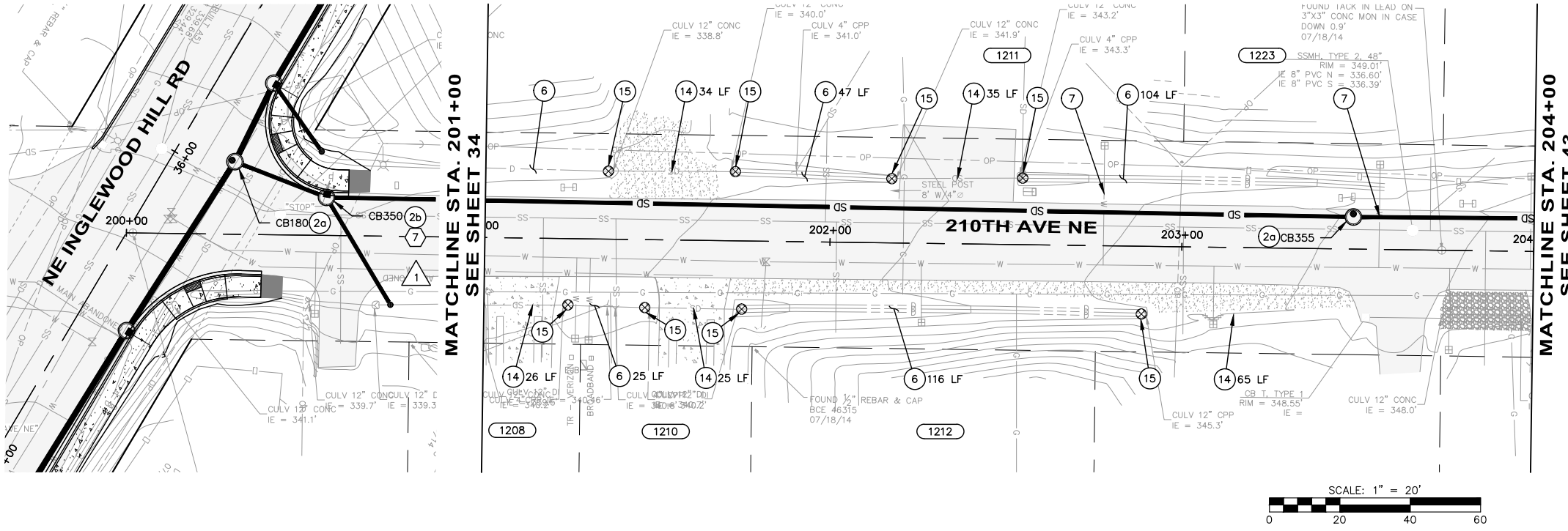
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

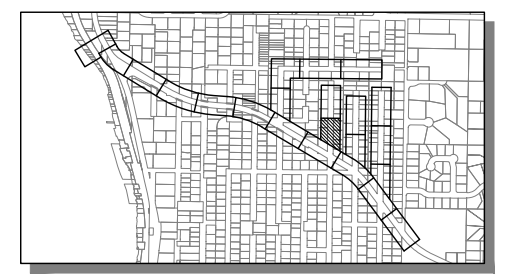
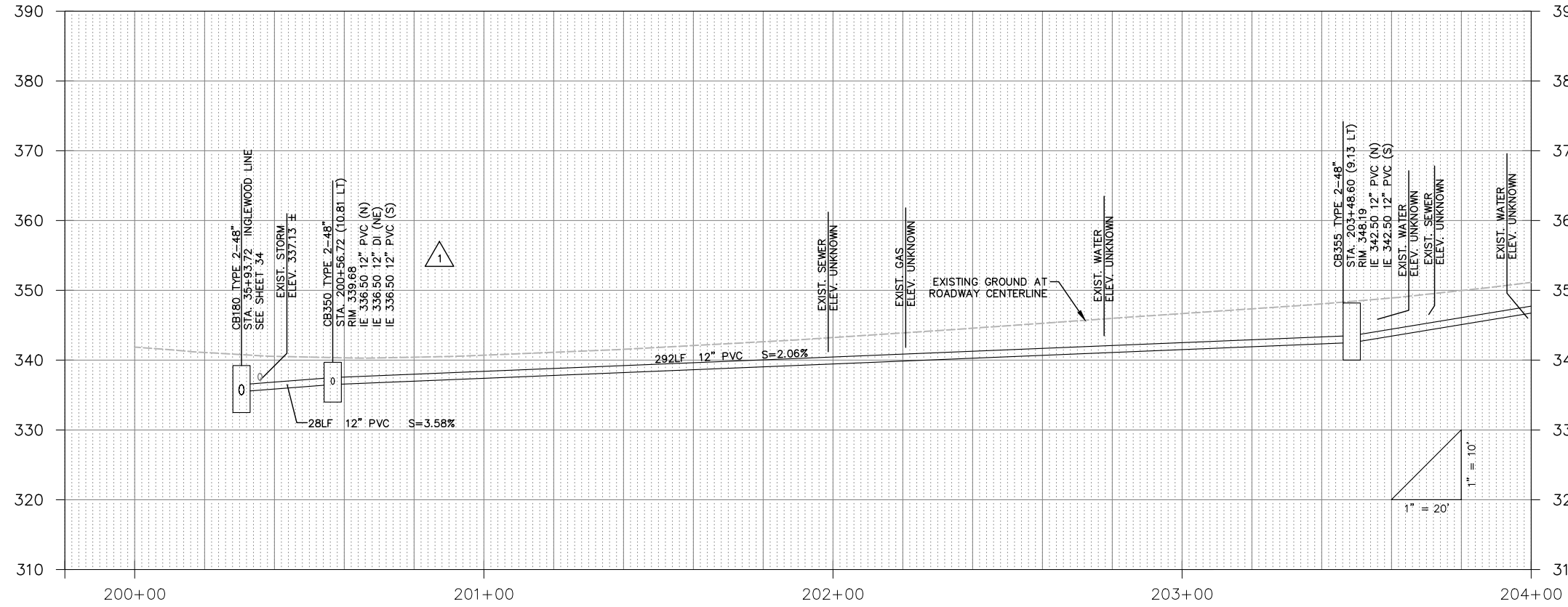
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 111+00 TO STA. 115+00**

**10-140008**  
OCI PROJECT NO.  
41 89  
SHEET OF





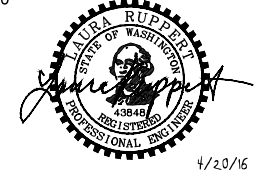
- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOT DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP03.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

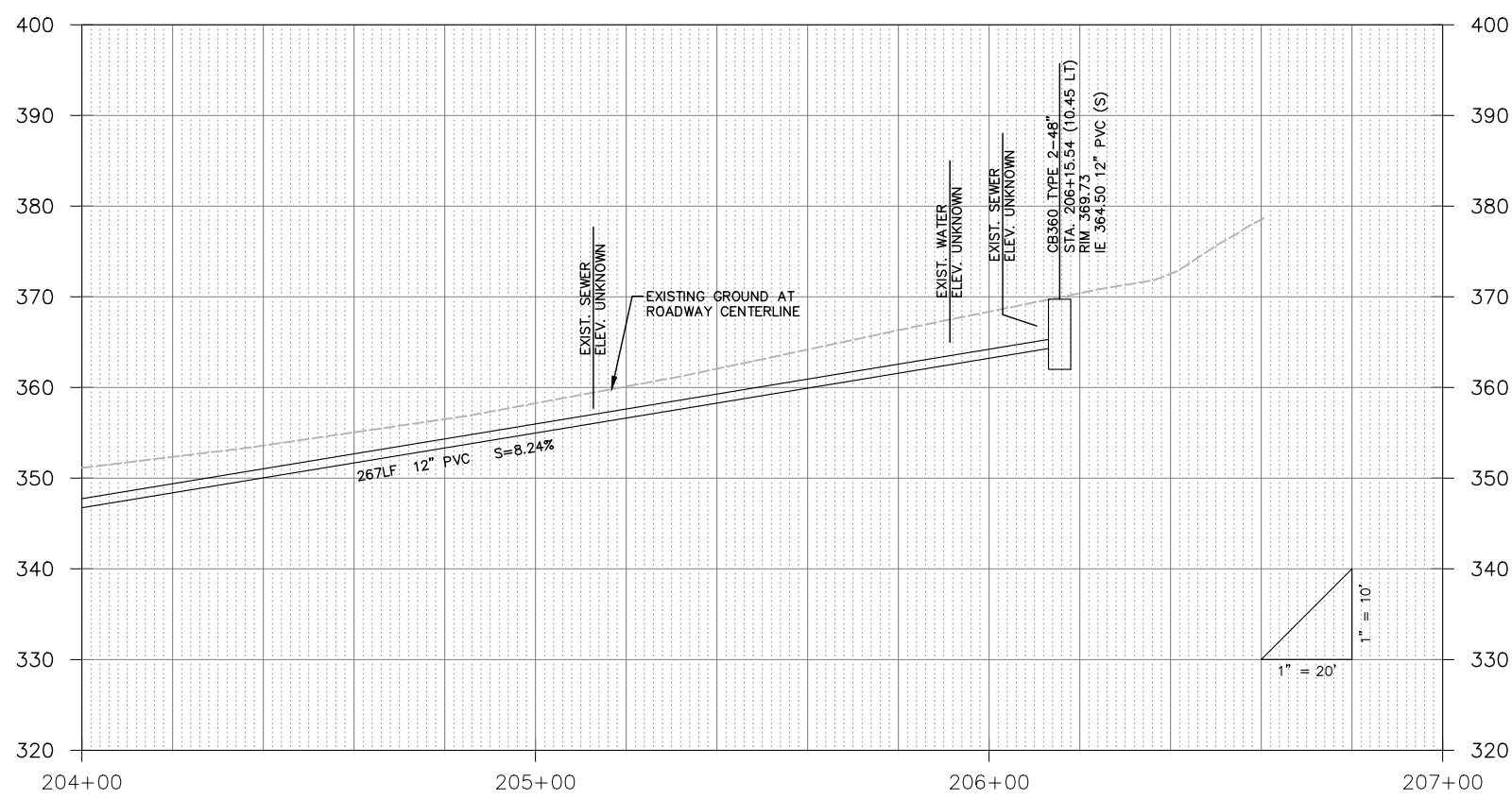
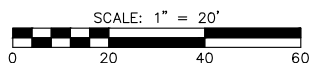
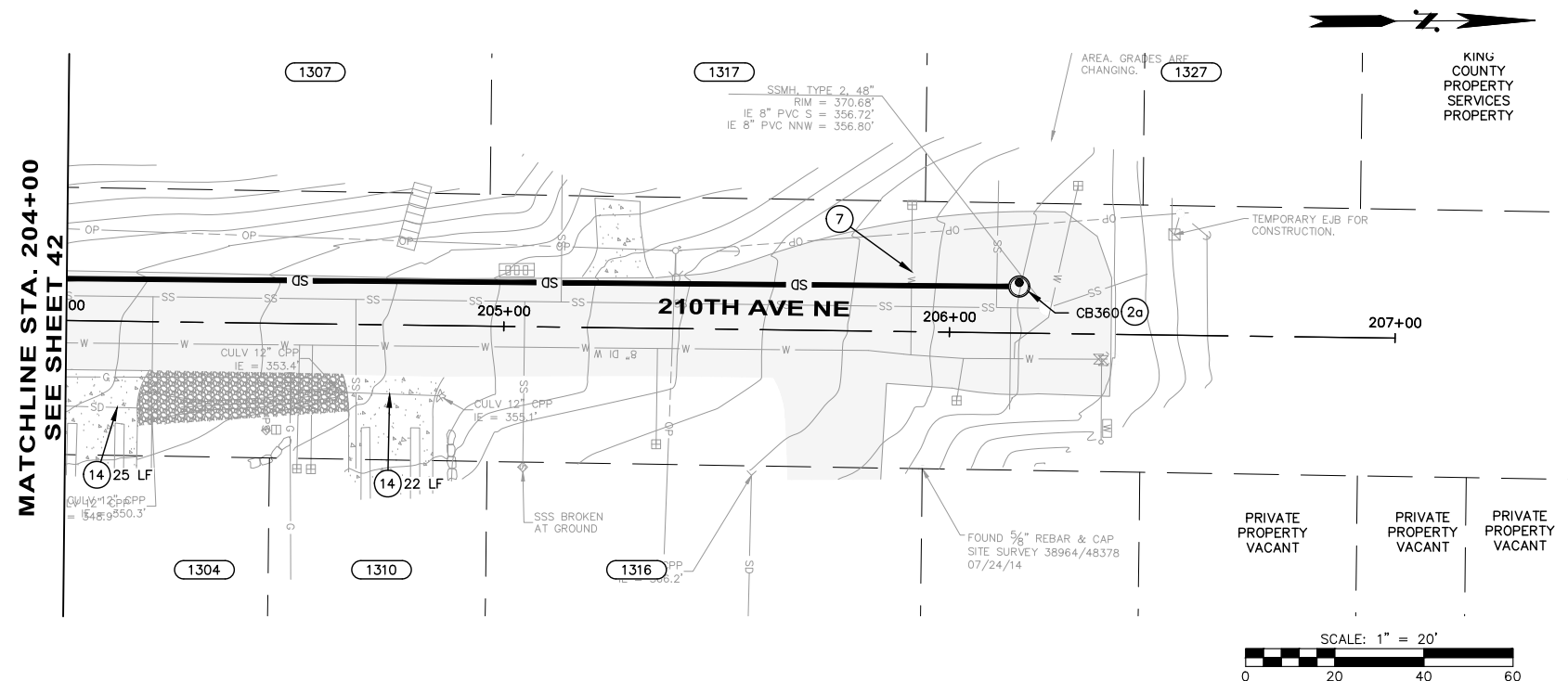


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 201+00 TO STA. 204+00**

|                                     |    |
|-------------------------------------|----|
| <b>10-140008</b><br>OCI PROJECT NO. |    |
| 42                                  | 89 |
| SHEET                               | OF |



**GENERAL NOTES:**

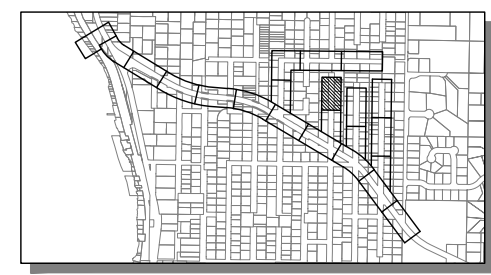
1. SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
2. SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
3. SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
4. ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

1. PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
2. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
3. CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
4. RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
5. CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
6. TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
7. CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
8. COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
9. HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
10. CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - a. curb inlet opening location per detail sheet 77.
11. TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
12. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
13. SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
14. 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

1. CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
2. CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - a. Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - b. Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
3. MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
4. EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
5. SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
6. DITCH MAINTENANCE PER SPECIFICATION 2-03.
7. FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
8. 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
9. CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
10. PIPE ANCHOR PER DETAIL SHEET 78.
11. RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
12. CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
13. CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
14. CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
15. CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
16. RAINGARDEN PER DETAIL SHEET 26.
17. INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
18. GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



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.

PLOT DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP03.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



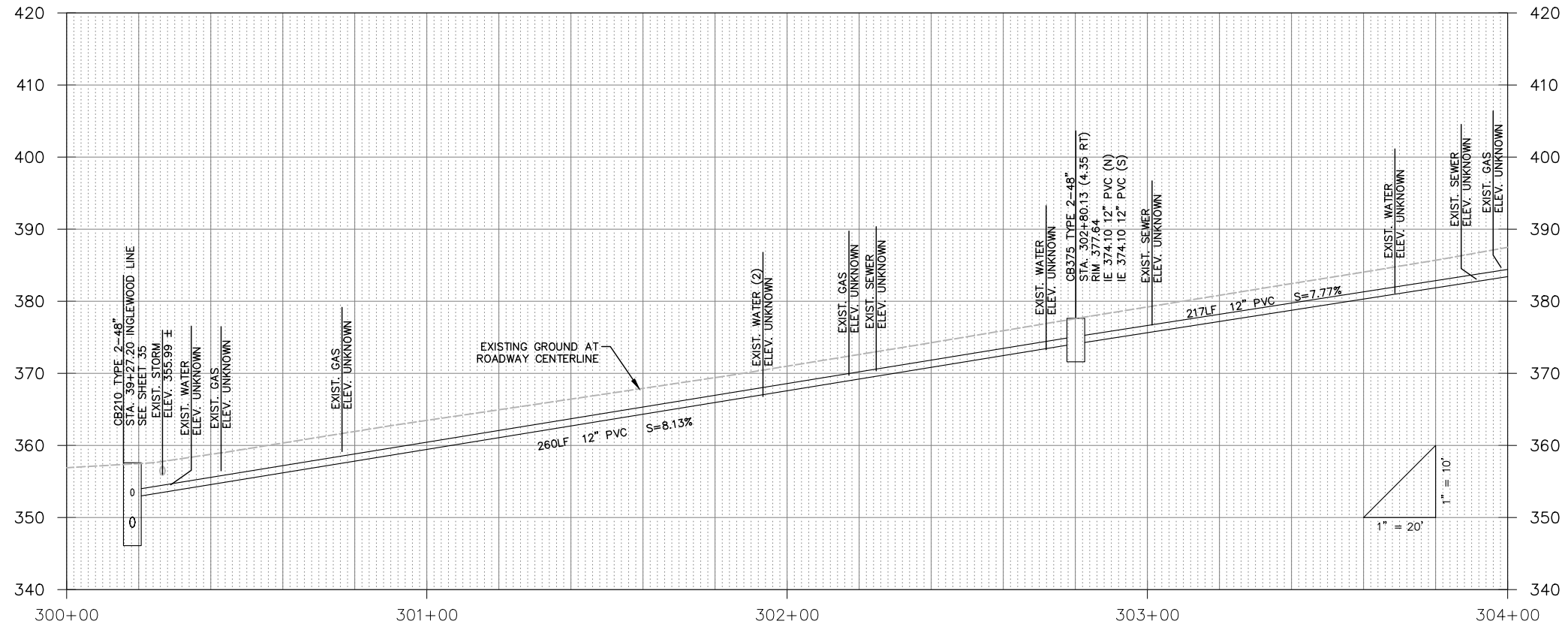
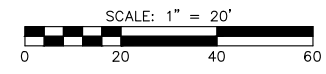
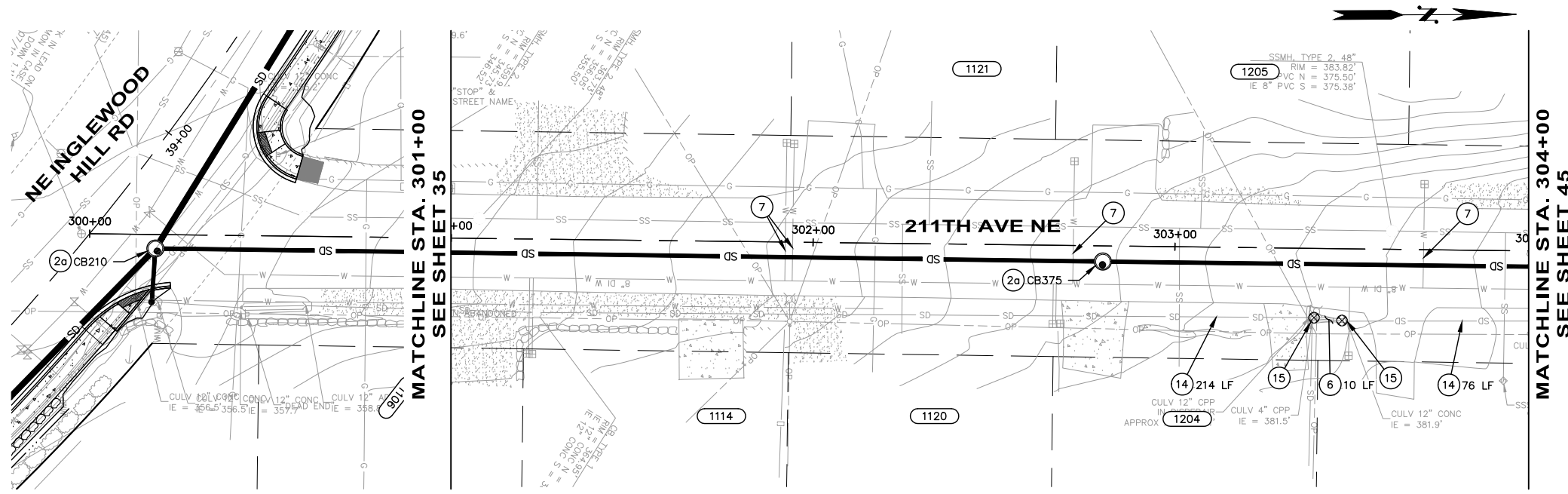
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

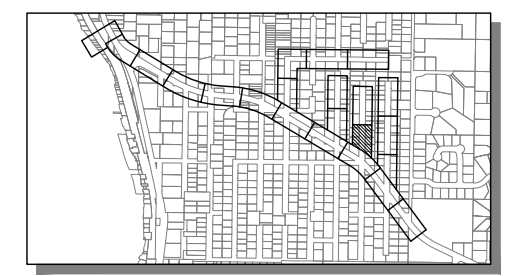
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 204+00 TO STA. 207+00**

**10-140008**  
OCI PROJECT NO.  
43 89  
SHEET OF





- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'

4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP04.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

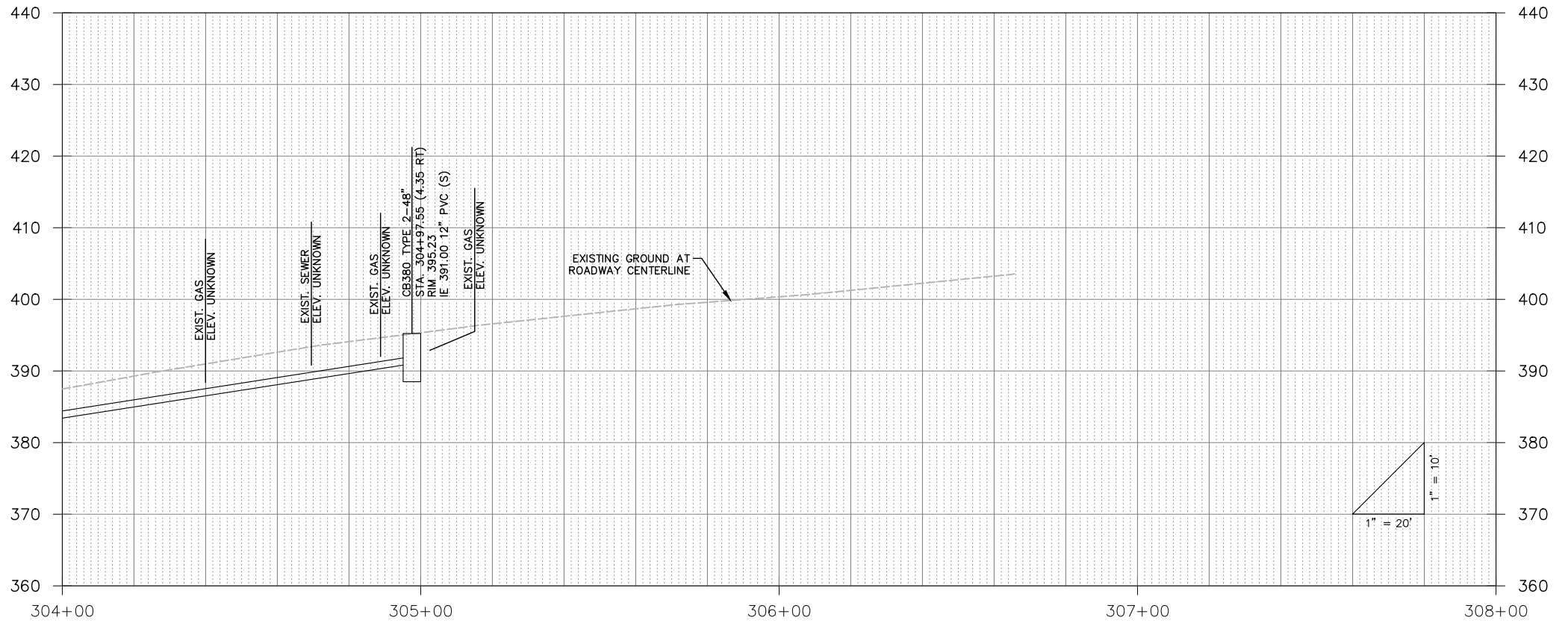
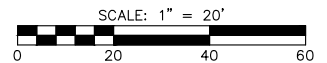
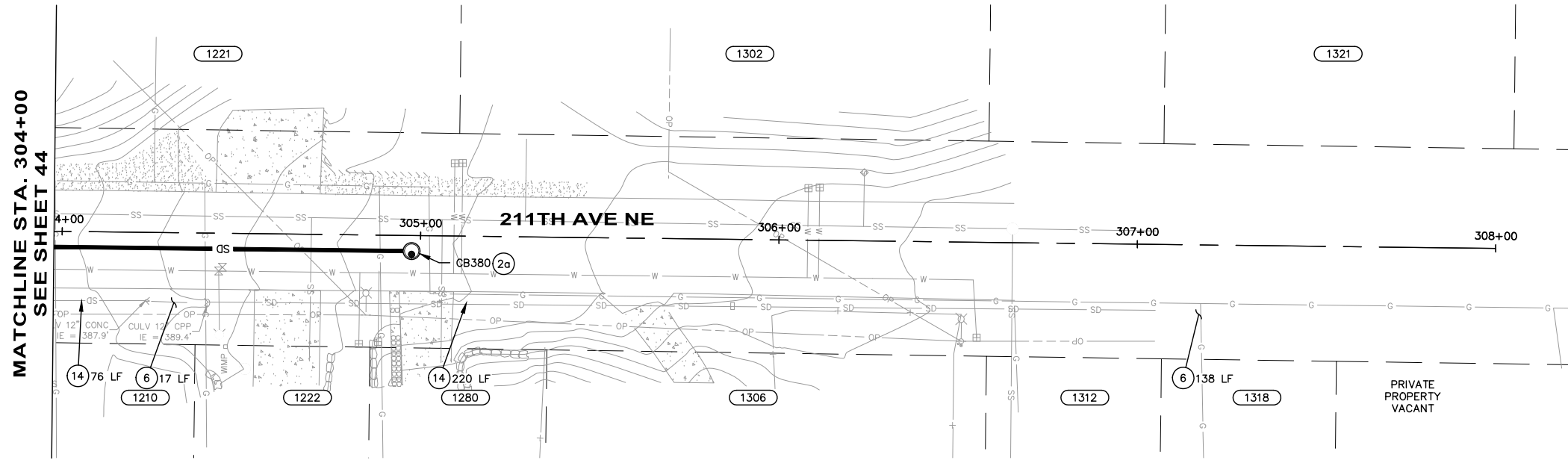


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 301+00 TO STA. 304+00**

**10-140008**  
OCI PROJECT NO.  
44 89  
SHEET OF



**GENERAL NOTES:**

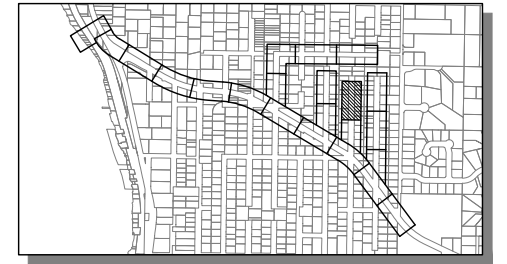
1. SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
2. SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
3. SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
4. ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

1. PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
2. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
3. CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
4. RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
5. CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
6. TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
7. CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
8. COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
9. HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
10. CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - a. curb inlet opening location per detail sheet 77.
11. TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
12. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
13. SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
14. 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

1. CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
2. CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - a. Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - b. Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
3. MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
4. EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
5. SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
6. DITCH MAINTENANCE PER SPECIFICATION 2-03.
7. FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
8. 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
9. CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
10. PIPE ANCHOR PER DETAIL SHEET 78.
11. RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
12. CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
13. CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
14. CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
15. CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
16. RAINGARDEN PER DETAIL SHEET 26.
17. INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
18. GRASS-LINED V-DITCH PER DETAIL SHEET 78.



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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP04.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



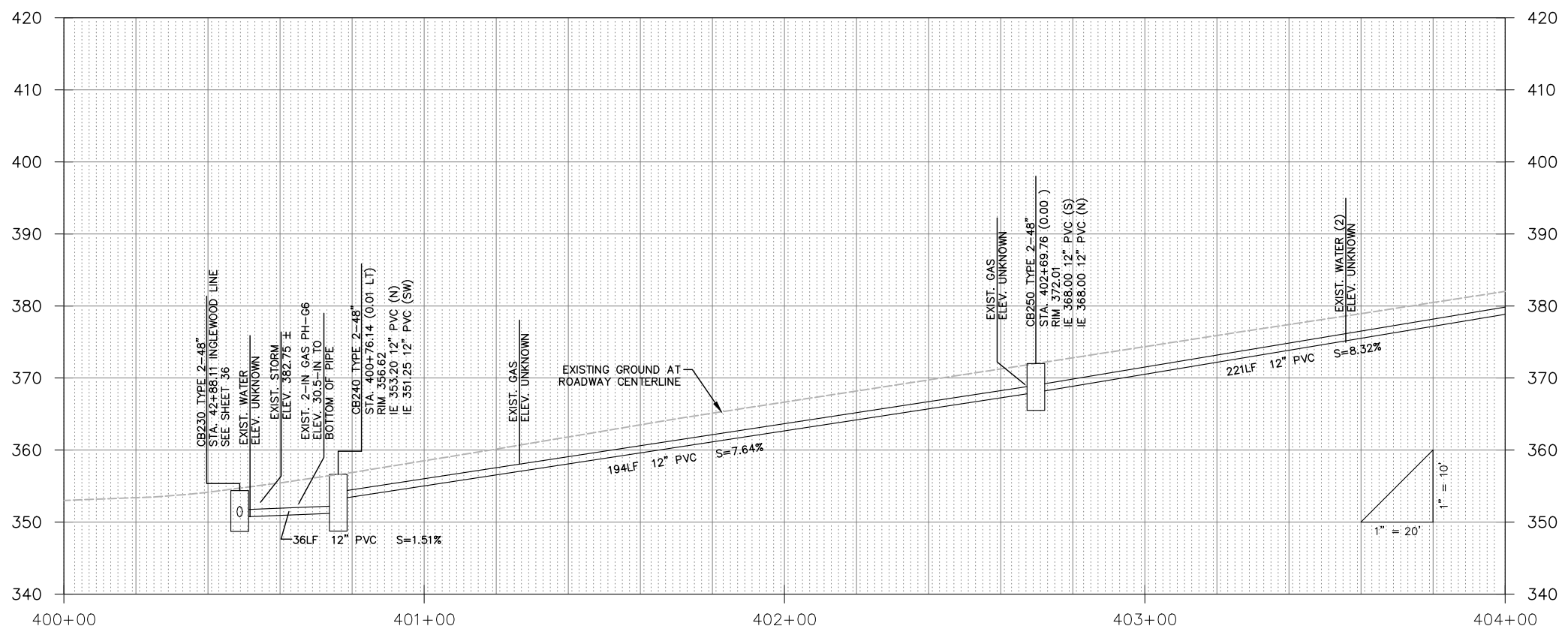
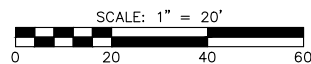
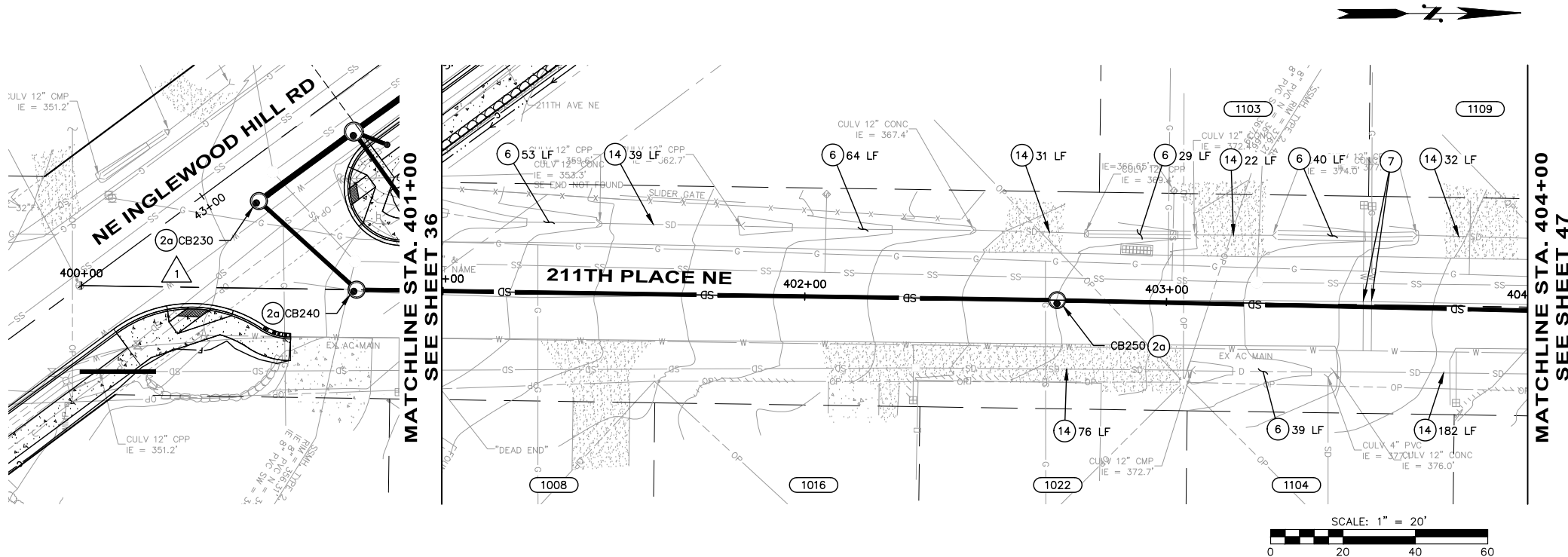
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

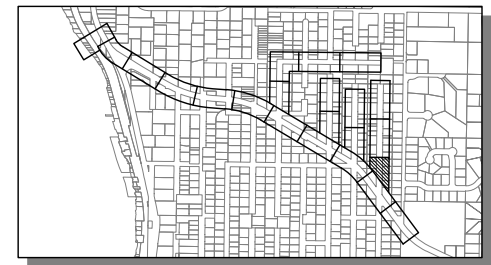
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 304+00 TO STA. 308+00**

**10-140008**  
 OCI PROJECT NO.  
 45 89  
 SHEET OF





- GENERAL NOTES:**
- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.
- DRAINAGE NOTES:**
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
  - CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
    - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
    - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
  - MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
  - EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
  - SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
  - DITCH MAINTENANCE PER SPECIFICATION 2-03.
  - FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
  - 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
  - CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
  - PIPE ANCHOR PER DETAIL SHEET 78.
  - RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
  - CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
  - CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
  - CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
  - CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
  - RAINGARDEN PER DETAIL SHEET 26.
  - INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
  - GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



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

PLOTING DATE: 4/20/2016 USER: Travis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_PP04.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

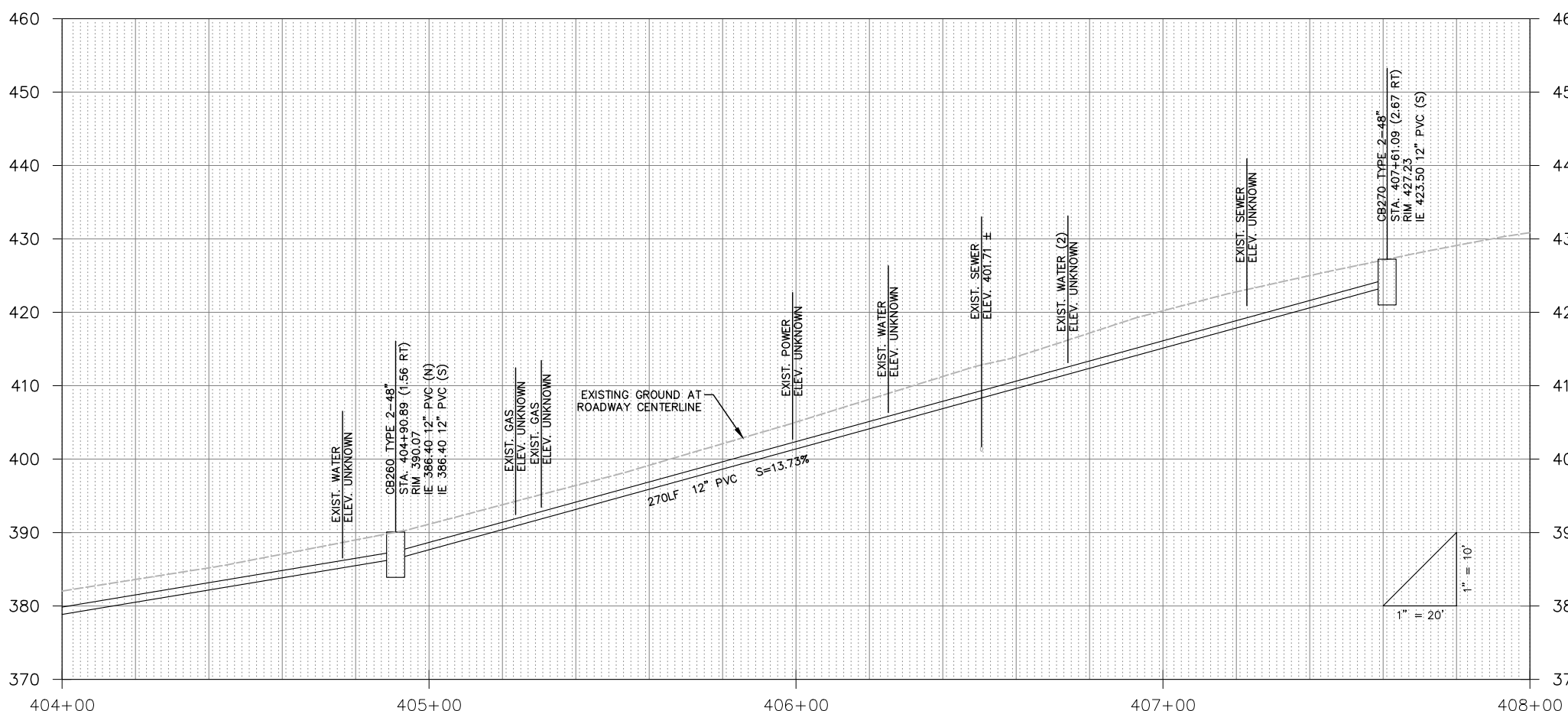
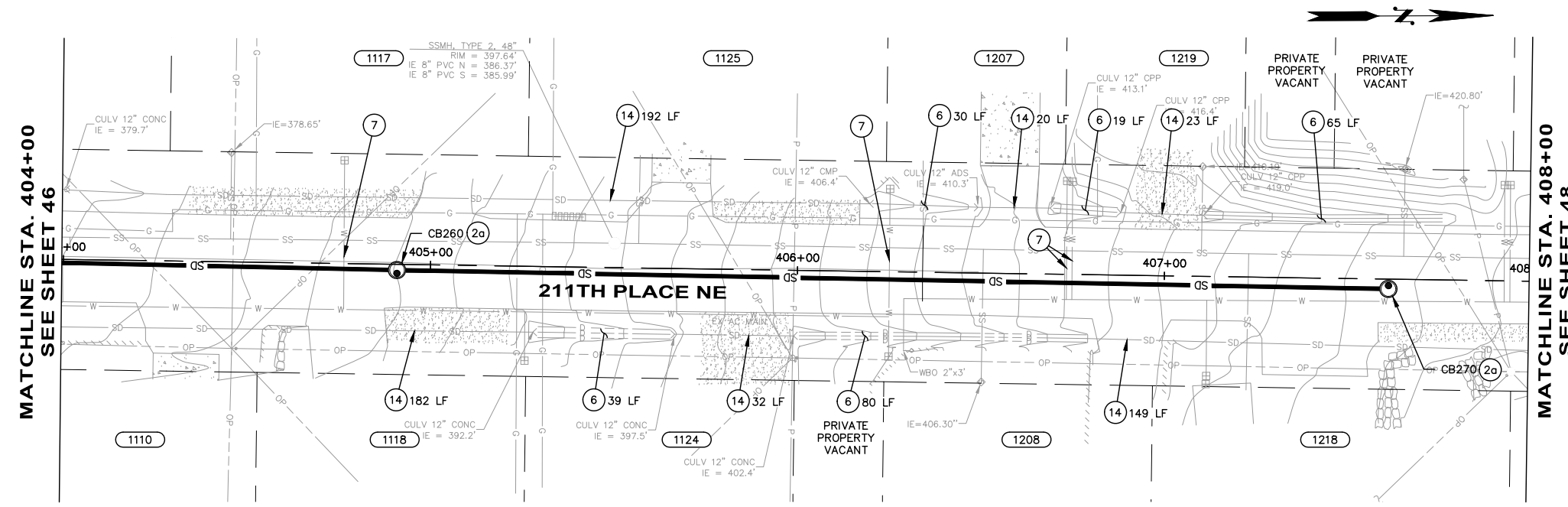


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 401+00 TO STA. 404+00**

**10-140008**  
OCI PROJECT NO.  
46 89  
SHEET OF

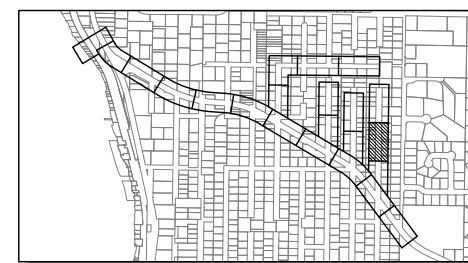


**GENERAL NOTES:**

- SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
  - SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
  - SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
  - ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- ROADWAY NOTES:**
- PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
  - CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
  - CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
  - RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
  - CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
  - TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
  - COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
  - HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
  - CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
    - curb inlet opening location per detail sheet 77.
  - TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
  - CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
  - SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
  - 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

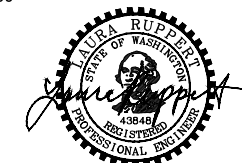
- CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
- CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
- MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
- EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
- SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
- DITCH MAINTENANCE PER SPECIFICATION 2-03.
- FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
- 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
- CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
- PIPE ANCHOR PER DETAIL SHEET 78.
- RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
- CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
- CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
- CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
- CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
- RAINGARDEN PER DETAIL SHEET 26.
- INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
- GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP04.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



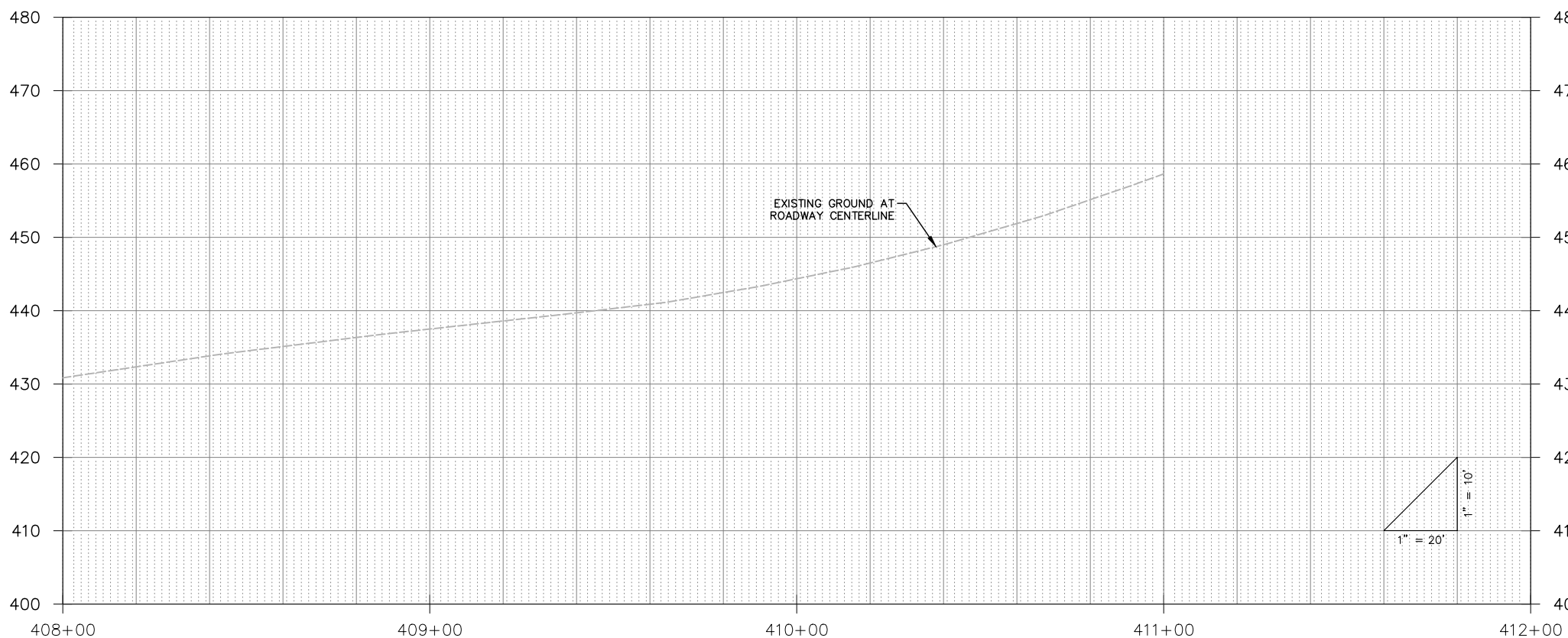
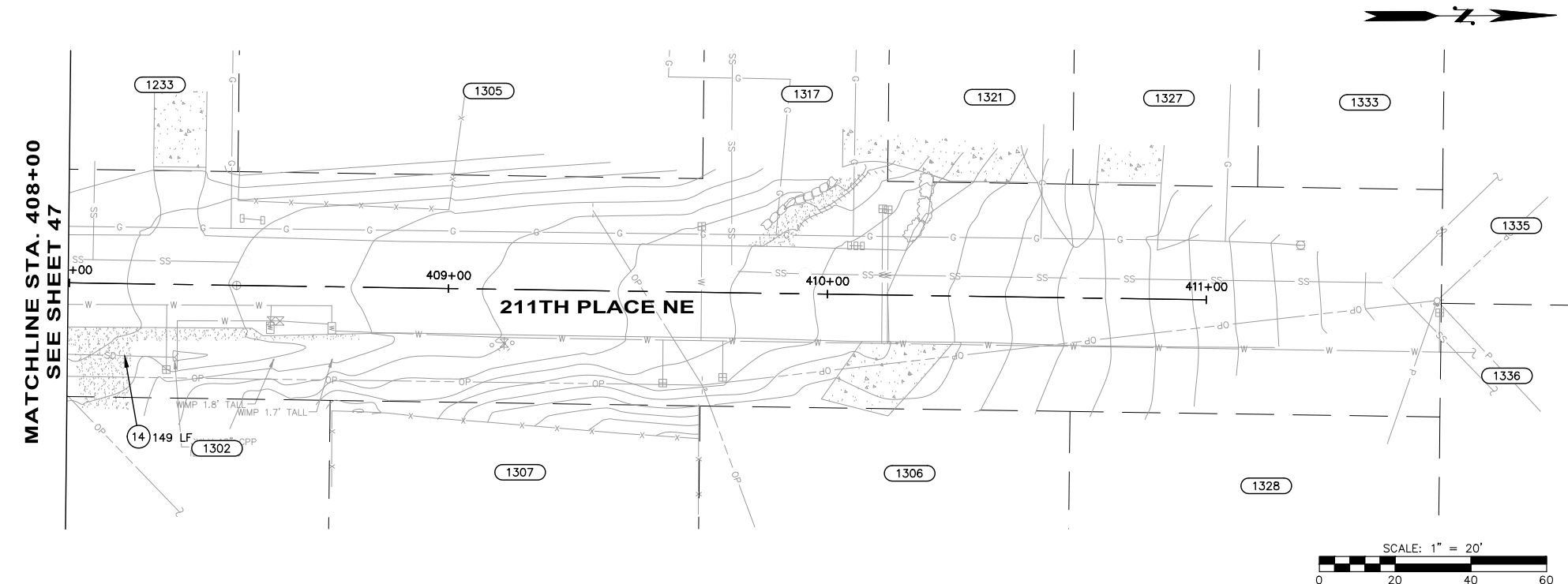
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 404+00 TO STA. 408+00**

**10-140008**  
OCI PROJECT NO.  
47 89  
SHEET OF





**GENERAL NOTES:**

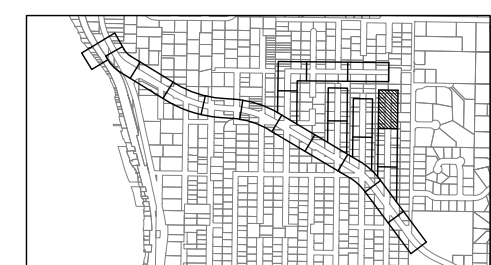
1. SEE SHEET 25 FOR TYPICAL ROADWAY SECTIONS. SEE SHEET 78 FOR TRENCH RESTORATION DETAILS.
2. SEE SHEET 26 FOR CURB AND RAINGARDEN DETAILS.
3. SEE SHEETS 49 - 53 FOR CURB RETURNS AND DRIVEWAY DETAILS.
4. ALL STATIONS AND OFFSETS FOR CURBING ARE TO FACE OF CURB, AND STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

**ROADWAY NOTES:**

1. PERPENDICULAR CURB RAMP TYPE A PER WSDOT STANDARD PLAN F-40.15-02.
2. CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-03.
3. CEMENT CONCRETE SIDEWALK PER MODIFIED WSDOT STANDARD PLAN F-30.10-03. MODIFICATIONS INCLUDE 10-FT EXPANSION JOINT SPACING AND 5-FT BROOMED FINISH SPACING.
4. RETAINING WALL, SEE SHEETS 54 - 62 FOR WALL PLAN AND PROFILES.
5. CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STANDARD PLAN F-80.10-03.
6. TYPE PARALLEL A CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
7. CEMENT CONCRETE CURB AND GUTTER PAN PER WSDOT STANDARD PLAN F-10.16-00.
8. COMBINATION CURB RAMP PER WSDOT STANDARD PLAN F-40.14-02.
9. HMA TRANSITION RAMP PER DETAIL ON SHEET 26.
10. CEMENT CONCRETE NOTCHED CURB AND GUTTER PER DETAIL ON SHEET 26.
  - a. curb inlet opening location per detail sheet 77.
11. TYPE PARALLEL B CURB RAMP PER WSDOT STANDARD PLAN F-40.12-02.
12. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12-03. SEE SECTION G, SHEET 25.
13. SINGLE DIRECTION CURB RAMP PER WSDOT STANDARD PLAN F-40.16-02.
14. 3/8-IN PRE-MOLDED JOINT FILLER PER WSDOT STANDARD PLAN F-30.10-03.

**DRAINAGE NOTES:**

1. CONCRETE INLET PER WSDOT STANDARD PLAN B-25.60-00.
2. CATCH BASIN TYPE 2 PER WSDOT STANDARD PLAN B-10.20-01
  - a. Circular Frame (Ring) and Cover per WSDOT Standard Plan B-30.70-03 with solid locking lid.
  - b. Rectangular Vaned Grate per WSDOT Standard Plans B-30.30-01 and B-30.10-01.
3. MODULAR WETLAND SYSTEM PER DETAIL SHEETS 63 - 69, AND 77.
4. EXTEND EXISTING CULVERT PER DETAIL SHEET 77.
5. SAND FILTER VAULT SYSTEM PER DETAILS ON SHEETS 72 - 76.
6. DITCH MAINTENANCE PER SPECIFICATION 2-03.
7. FIELD ADJUST EXISTING FLEXIBLE WATER SERVICE LINE AS NEEDED.
8. 12 IN. DIAM. NYLOPLAST-ADS DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET 70 AND 77. FIELD FIT AT LOCALIZED LOW POINT WITHIN 5-FT RADIUS OF THE LOCATION SHOWN ON PLAN.
9. CATCH BASIN TYPE 2 FLOW SPLITTER WITH SOLID LID PER DETAIL 1 SHEET 79.
10. PIPE ANCHOR PER DETAIL SHEET 78.
11. RECTANGULAR VANED GRATE PER WSDOT STANDARD PLAN B-30.30-01.
12. CONNECTION TO DRAINAGE STRUCTURE PER WSDOT STANDARD SPECIFICATION 7-05.3(3).
13. CDS PRE-TREATMENT UNIT PER DETAIL SHEET 71.
14. CLEAN EXISTING CULVERT PER WSDOT STANDARD SPECIFICATION 7-07.
15. CULVERT END PROTECTION, 2-IN TO 4-IN ROCKS PER SPECIFICATION 8-15.
16. RAINGARDEN PER DETAIL SHEET 26.
17. INSTALL EXISTING CB FLOW SPLITTER PER DETAIL 2, SHEET 79.
18. GRASS-LINED V-DITCH PER DETAIL SHEET 78.



**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_PP04.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

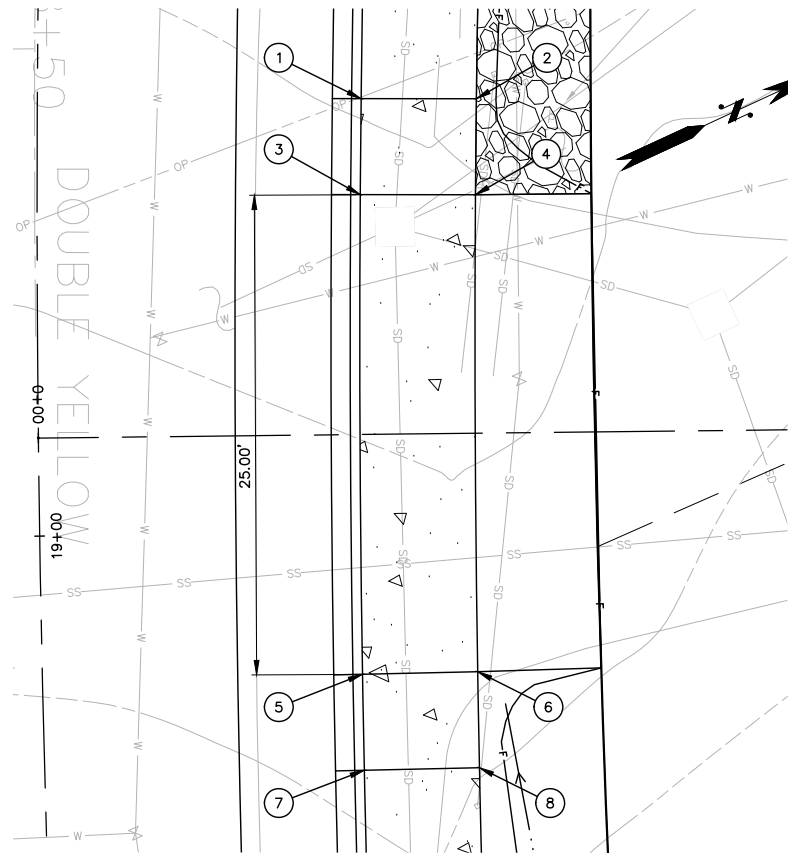


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

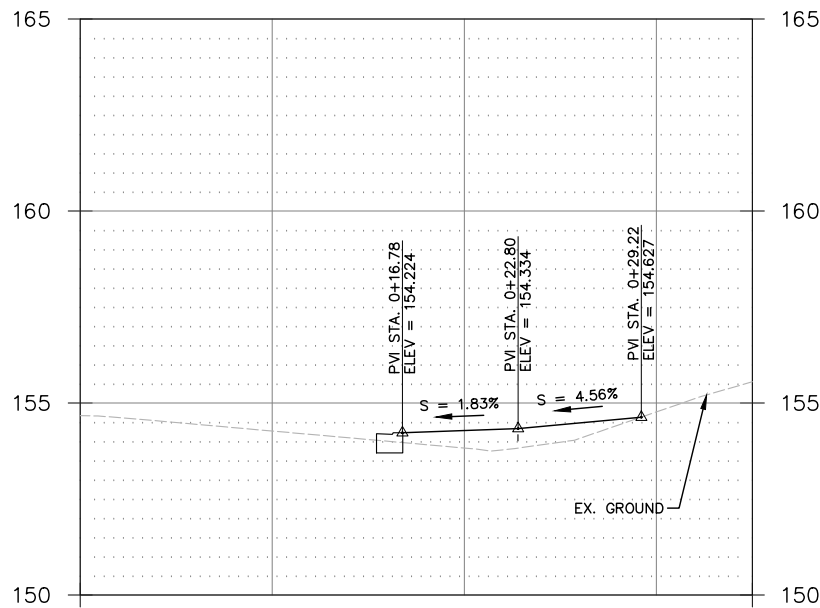
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY AND DRAINAGE**  
**STA. 408+00 TO STA. 411+00**

**10-140008**  
OCI PROJECT NO.  
48 89  
SHEET OF

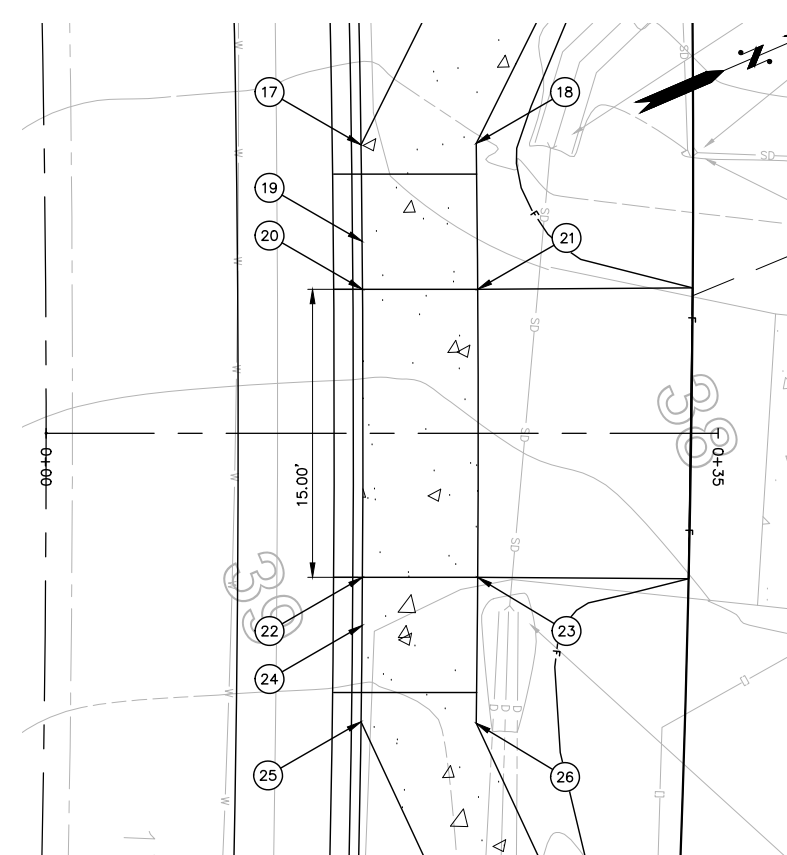


| POINT NUMBER | FINISHED GRADE |
|--------------|----------------|
| 1            | 152.40         |
| 2            | 152.51         |
| 3            | 152.59         |
| 4            | 152.71         |
| 5            | 155.30         |
| 6            | 155.41         |
| 7            | 156.24         |
| 8            | 156.36         |

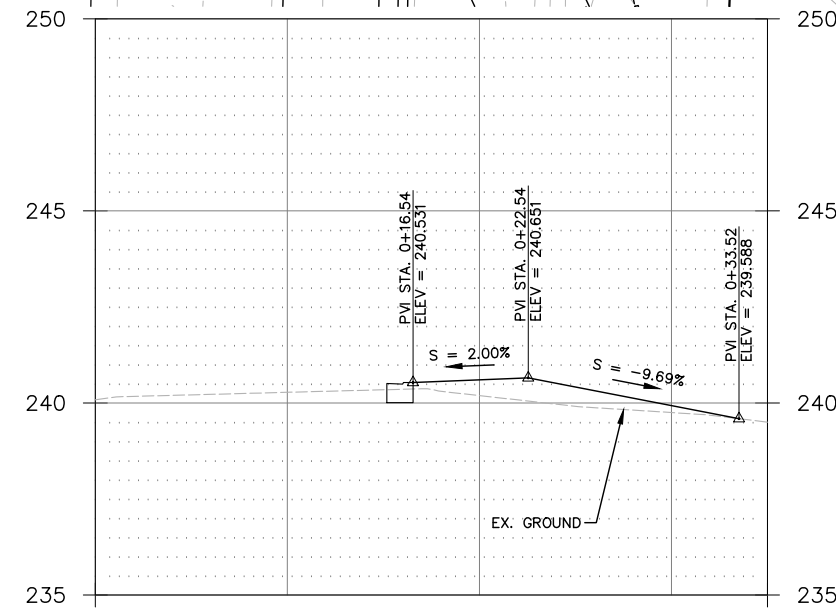


1 DRIVEWAY DETAIL 18+94.90  
30 N.T.S.

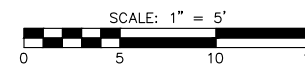
2 NOT USED  
31 N.T.S.



| POINT NUMBER | FINISHED GRADE |
|--------------|----------------|
| 17           | 238.63         |
| 18           | 238.75         |
| 19           | 239.08         |
| 20           | 239.40         |
| 21           | 239.52         |
| 22           | 241.29         |
| 23           | 241.41         |
| 24           | 241.61         |
| 25           | 242.41         |
| 26           | 242.53         |



3 DRIVEWAY DETAIL 27+48.46  
32 N.T.S.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_DWAY.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



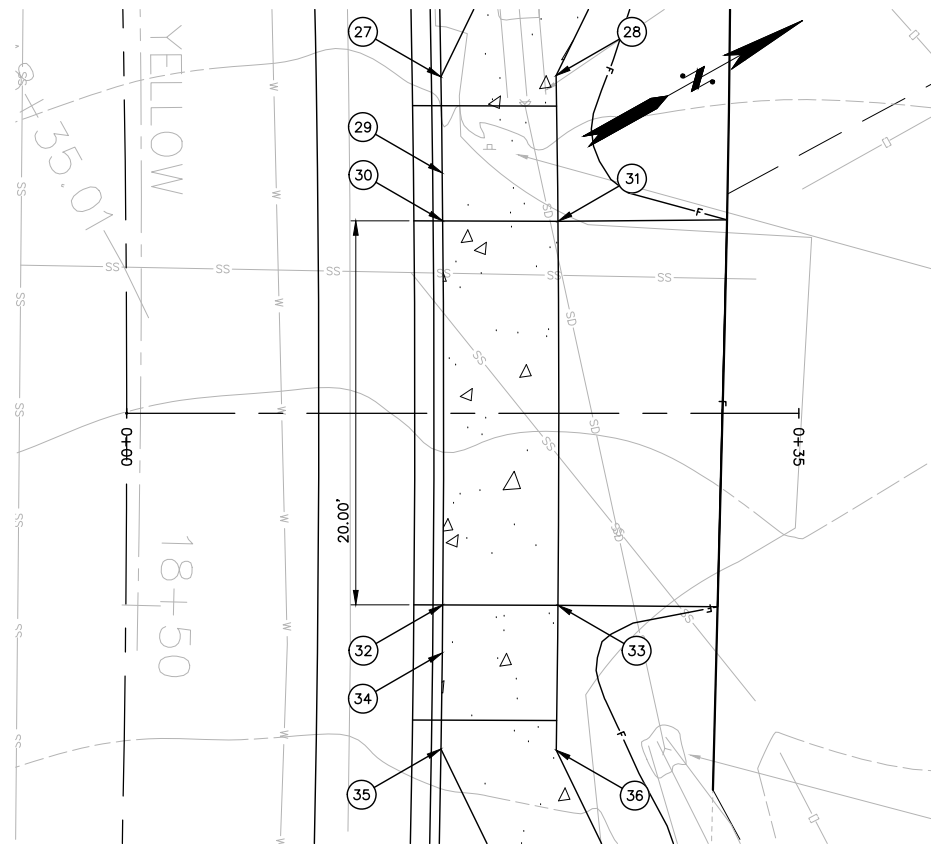
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

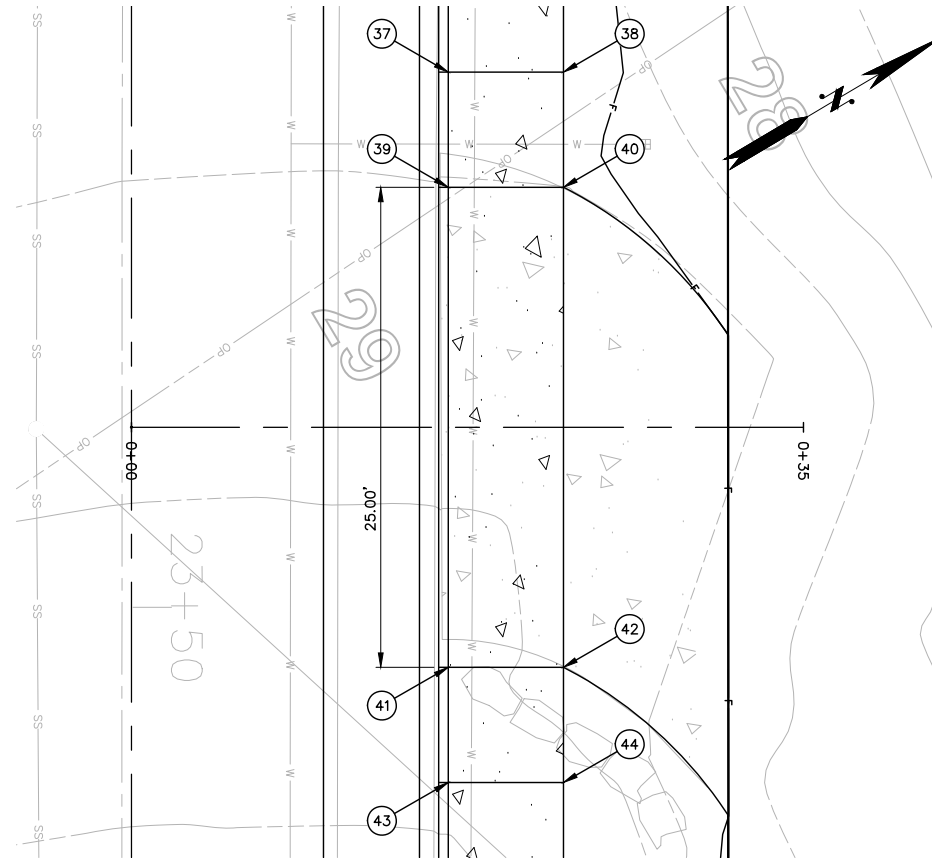
**INGLEWOOD HILL STORMWATER AND  
NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY DETAILS**  
**DRIVEWAY PLAN AND PROFILE**

**10-140008**  
OCI PROJECT NO.  
49 89  
SHEET OF

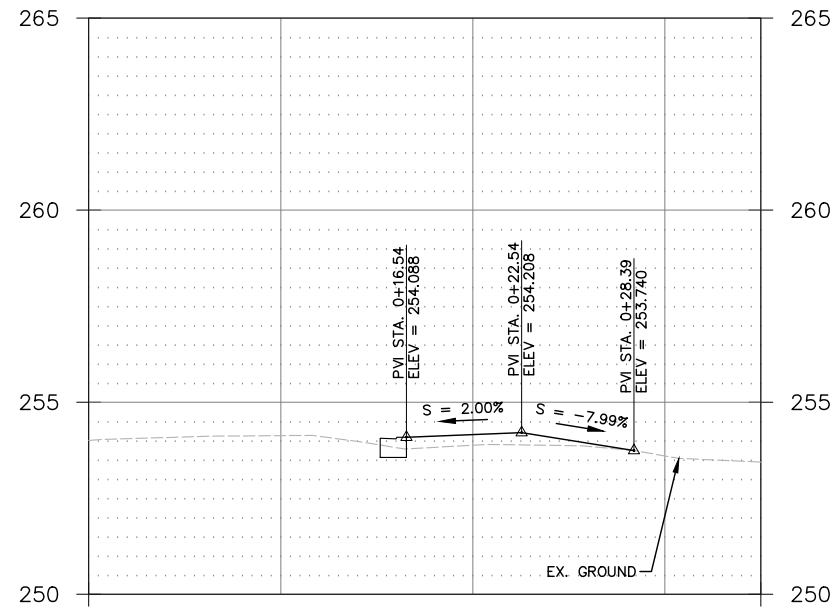




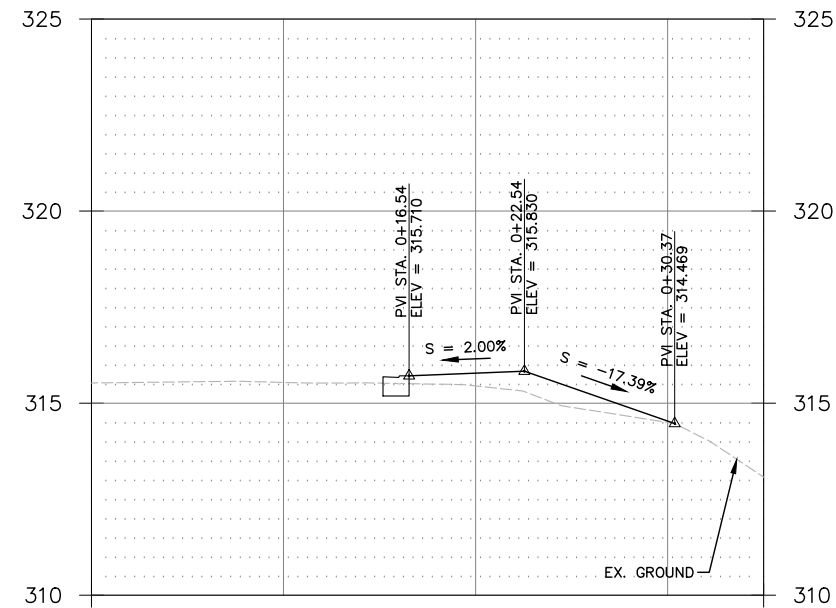
| POINT NUMBER | FINISHED GRADE |
|--------------|----------------|
| 27           | 252.14         |
| 28           | 252.26         |
| 29           | 252.54         |
| 30           | 252.82         |
| 31           | 252.95         |
| 32           | 255.06         |
| 33           | 255.17         |
| 34           | 255.34         |
| 35           | 256.07         |
| 36           | 256.19         |



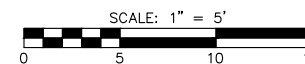
| POINT NUMBER | FINISHED GRADE |
|--------------|----------------|
| 37           | 313.85         |
| 38           | 313.96         |
| 39           | 314.23         |
| 40           | 314.35         |
| 41           | 317.19         |
| 42           | 317.31         |
| 43           | 318.35         |
| 44           | 318.47         |



1 DRIVEWAY DETAIL 28+63.21  
32 N.T.S.



2 DRIVEWAY DETAIL 33+65.74  
34 N.T.S.



Know what's below.  
Call before you dig.



4/20/16

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

PLOT DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_DWAY.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

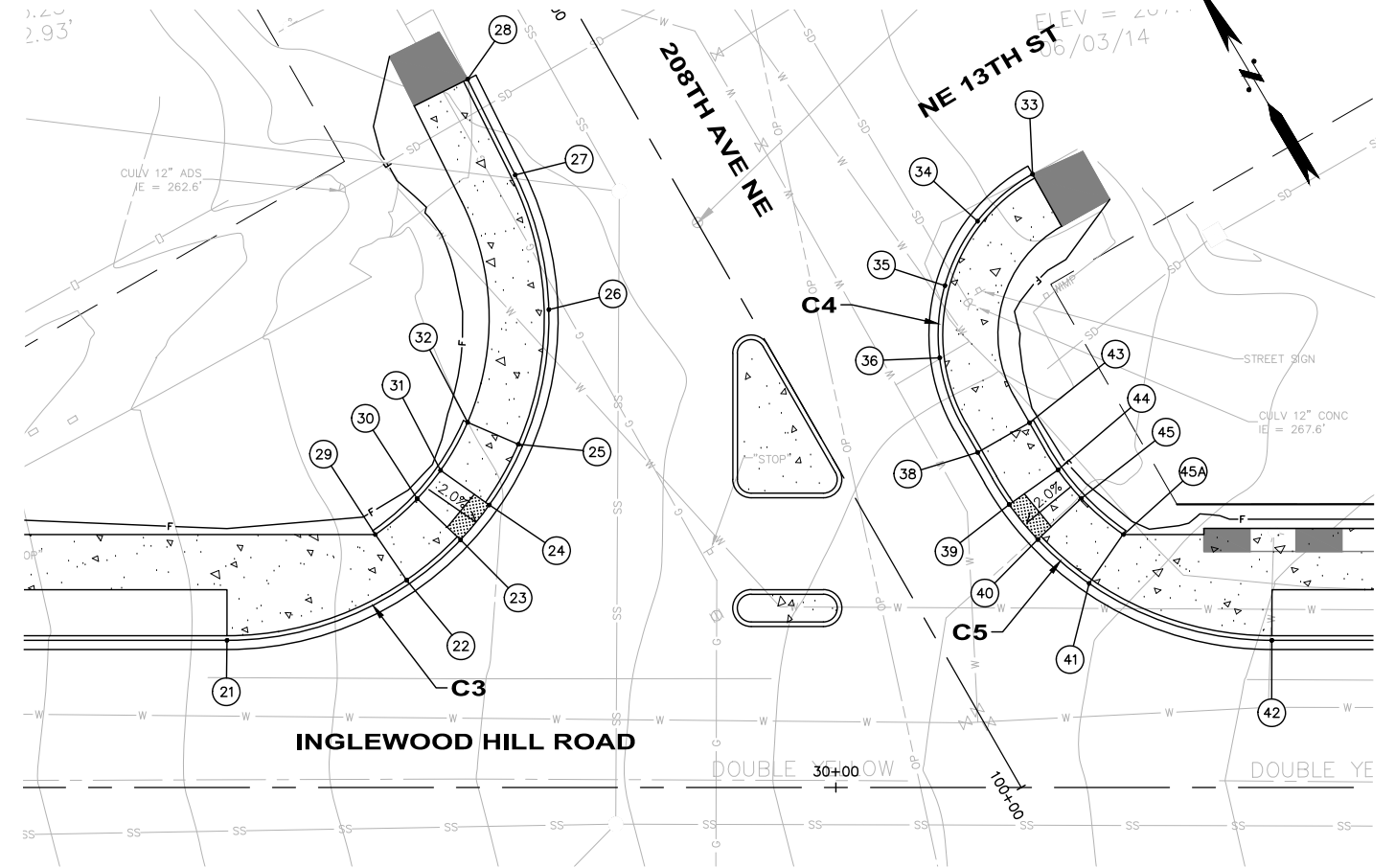
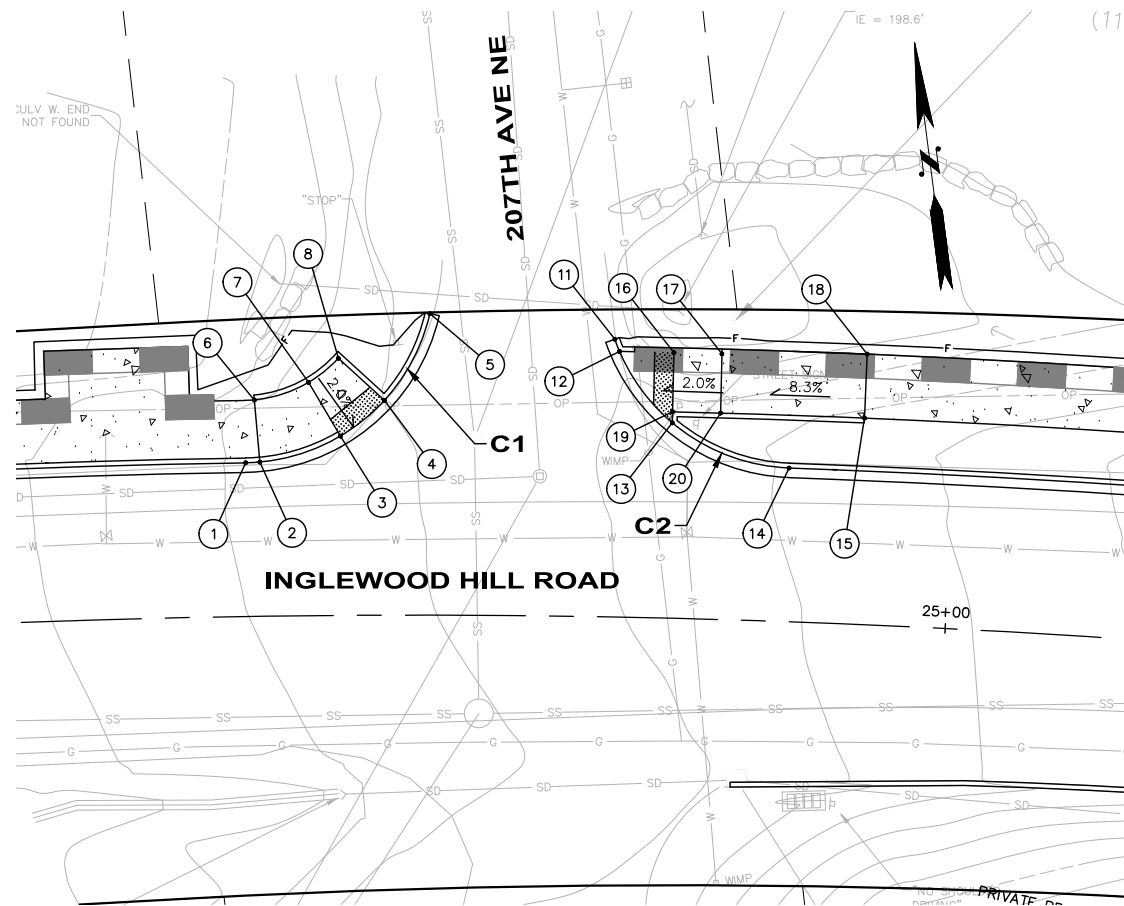


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND  
NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY DETAILS**  
**DRIVEWAY PLAN AND PROFILE**

**10-14008**  
OCI PROJECT NO.  
50 89  
SHEET OF

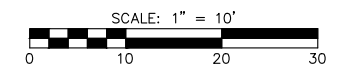


| CURB RETURN TABLE C1 |                      |        |                            |  |
|----------------------|----------------------|--------|----------------------------|--|
| ##                   | STATION (OFFSET)     | ELEV.  | DESCRIPTION                | CURVE DATA   |
| 1                    | 24+27.37 (16.00' LT) | 202.89 | TOP OF CURB AT PT          | $\Delta = 76^{\circ}13'35''$<br>$R = 20.00$<br>$T = 15.69$<br>$L = 26.61$  |
| 2                    | 24+28.83 (16.06' LT) | 202.04 | TOP OF CURB AT RAMP TOP    |  |
| 3                    | 24+37.12 (18.67' LT) | 203.48 | FLOWLINE AT RAMP TOE       |  |
| 4                    | 24+41.63 (22.37' LT) | 204.17 | FLOWLINE AT RAMP TOE       |  |
| 5                    | 24+46.26 (31.41' LT) | 205.27 | TOP OF CURB AT PC          |  |
| 6                    | 24+28.35 (22.54' LT) | 203.16 | FG AT BACK OF WALK         |  |
| 7                    | 24+33.92 (24.29' LT) | 203.60 | FG AT BACK OF WALK         |  |
| 8                    | 24+36.96 (26.78' LT) | 204.29 | FG AT BACK OF WALK         |  |
| 9                    | NOT USED             |        |                            |  |
| 10                   | NOT USED             |        |                            |  |
| CURB RETURN TABLE C2 |                      |        |                            |  |
| 11                   | 24+65.04 (28.93' LT) | 206.32 | TOP OF CURB AT PC          | $\Delta = 68^{\circ}40'04''$<br>$R = 20.00$<br>$T = 13.661$<br>$L = 23.97$ |
| 12                   | 24+65.54 (27.67' LT) | 205.89 | FLOWLINE AT RAMP TOE       |  |
| 13                   | 24+71.07 (20.35' LT) | 206.75 | FLOWLINE AT RAMP TOE       |  |
| 14                   | 24+83.17 (16.00' LT) | 208.95 | TOP OF CURB AT PT          |  |
| 15                   | 24+90.69 (21.50' LT) | 209.72 | FG AT TOP OF RAMP          |  |
| 16                   | 24+71.06 (27.67' LT) | 206.86 | FLOWLINE AT TOE OF LANDING |  |
| 17                   | 24+75.94 (27.67' LT) | 206.96 | FLOWLINE AT TOP OF LANDING |  |
| 18                   | 24+90.69 (27.67' LT) | 209.83 | FG AT TOP OF RAMP          |  |
| 19                   | 24+71.07 (21.50' LT) | 206.81 | FLOWLINE AT TOE OF LANDING |  |
| 20                   | 24+75.97 (21.50' LT) | 207.68 | FLOWLINE AT TOE OF LANDING |  |

| CURB RETURN TABLE C3 |                       |        |                         |  |
|----------------------|-----------------------|--------|-------------------------|--|
| ##                   | STATION (OFFSET)      | ELEV.  | DESCRIPTION             | CURVE DATA   |
| 21                   | 29+33.80 (16.00' LT)  | 262.62 | TOP OF CURB AT PC       | $\Delta = 116^{\circ}27'05''$<br>$R = 35.00$<br>$T = 56.51$<br>$L = 71.14$ |
| 22                   | 29+53.60 (22.14' LT)  | 265.58 | TOP OF CURB AT RAMP TOP |  |
| 23                   | 29+59.20 (26.92' LT)  | 265.77 | FLOWLINE AT RAMP TOE    |  |
| 24                   | 29+62.31 (30.71' LT)  | 266.02 | FLOWLINE AT RAMP TOE    |  |
| 25                   | 29+65.93 (37.11' LT)  | 267.06 | TOP OF CURB AT RAMP TOP |  |
| 26                   | 29+68.79 (51.94' LT)  | 267.93 | TOP OF CURB             |  |
| 27                   | 29+65.14 (66.59' LT)  | 286.41 | TOP OF CURB AT PT       |  |
| 28                   | 29+59.96 (76.96' LT)  | 269.18 | TOP OF CURB             |  |
| 29                   | 29+49.64 (27.91' LT)  | 265.71 | FG AT BACK OF WALK      |  |
| 30                   | 29+54.48 (31.39' LT)  | 265.90 | FG AT BACK OF WALK      |  |
| 31                   | 29+57.02 (34.47' LT)  | 266.15 | FG AT BACK OF WALK      |  |
| 32                   | 29+59.96 (39.69' LT)  | 267.18 | FG AT BACK OF WALK      |  |
| CURB RETURN TABLE C4 |                       |        |                         |  |
| 33                   | 100+57.23 (34.21' RT) | 271.18 | TOP OF CURB AT PC       | $\Delta = 84^{\circ}27'40''$<br>$R = 20.00$<br>$T = 18.21$<br>$L = 29.57$  |
| 34                   | 100+55.77 (26.49' RT) | 270.47 | TOP OF CURB             |  |
| 35                   | 100+51.45 (19.93' RT) | 270.05 | TOP OF CURB             |  |
| 36                   | 100+44.94 (15.54' RT) | 270.34 | TOP OF CURB             |  |
| 37                   | 100+37.23 (14.00' RT) | 270.92 | TOP OF CURB AT PT       |  |
| CURB RETURN TABLE C5 |                       |        |                         |  |
| 38                   | 100+33.96 (14.00' RT) | 271.26 | TOP OF CURB AT RAMP TOP | $\Delta = 60^{\circ}11'29''$<br>$R = 35.00$<br>$T = 20.29$<br>$L = 36.77$  |
| 39                   | 100+27.35 (14.16' RT) | 271.50 | FLOWLINE AT RAMP TOE    |  |
| 40                   | 100+22.50 (14.98' RT) | 272.22 | FLOWLINE AT RAMP TOE    |  |
| 41                   | 100+15.57 (17.44' RT) | 273.90 | TOP OF CURB AT RAMP TOP |  |
| 42                   | 30+47.39 (16.00' LT)  | 276.94 | TOP OF CURB AT PC       |  |
| 43                   | 100+33.96 (20.50' RT) | 271.38 | FG AT BACK OF WALK      |  |
| 44                   | 100+27.96 (20.63' RT) | 271.62 | FG AT BACK OF WALK      |  |
| 45                   | 100+24.02 (21.29' RT) | 272.35 | FG AT BACK OF WALK      |  |
| 45A                  | 100+18.38 (23.30' RT) | 274.03 | FG AT BACK OF WALK      |  |

**CURB RAMP NOTES:**

- RAMP LENGTH SHOWN FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY AND ADJUST LENGTH TO MEET RAMP SLOPE REQUIREMENTS PER DETAILS.



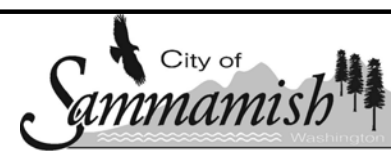
Know what's below.  
Call before you dig.



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

PLOTING DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_DWG.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



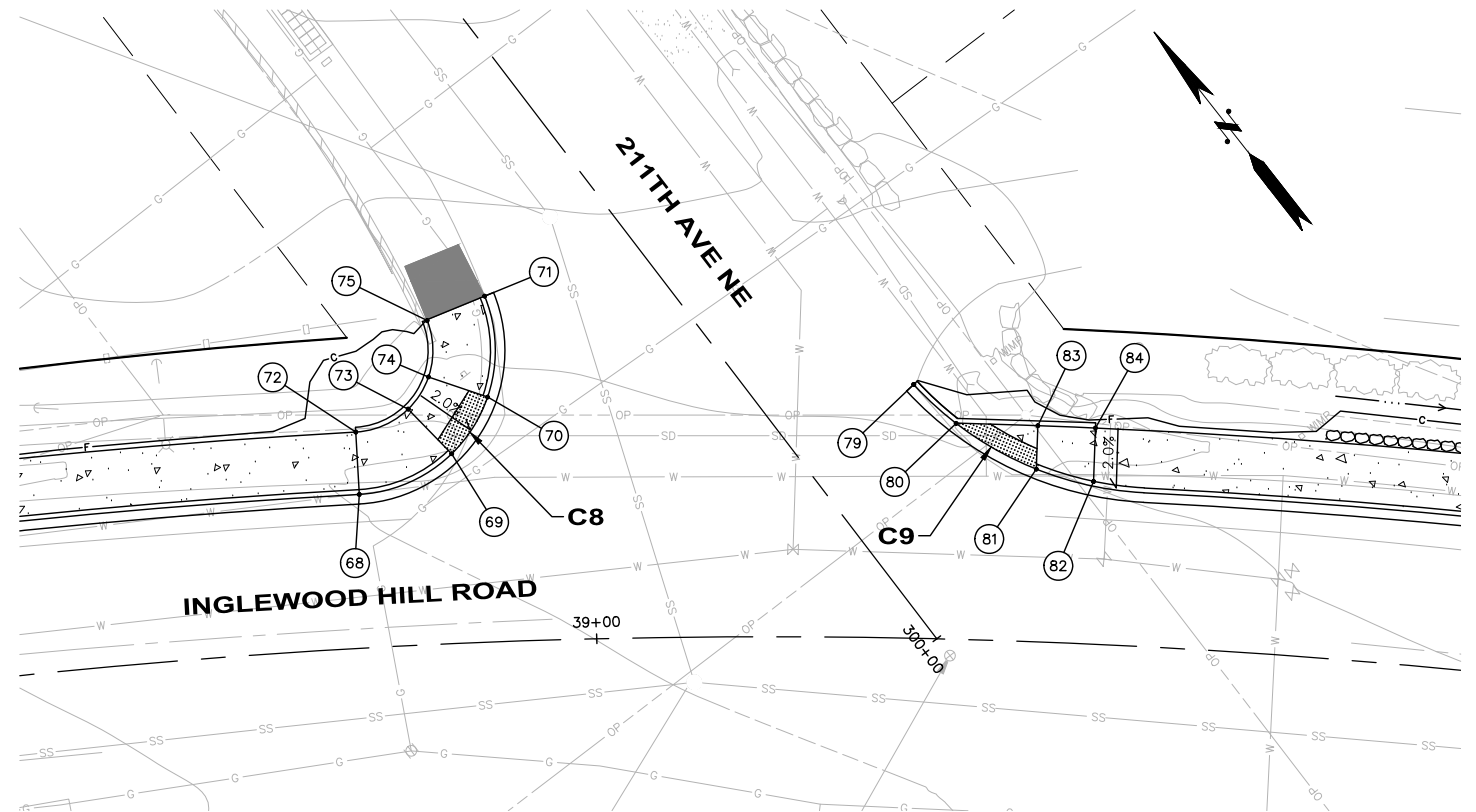
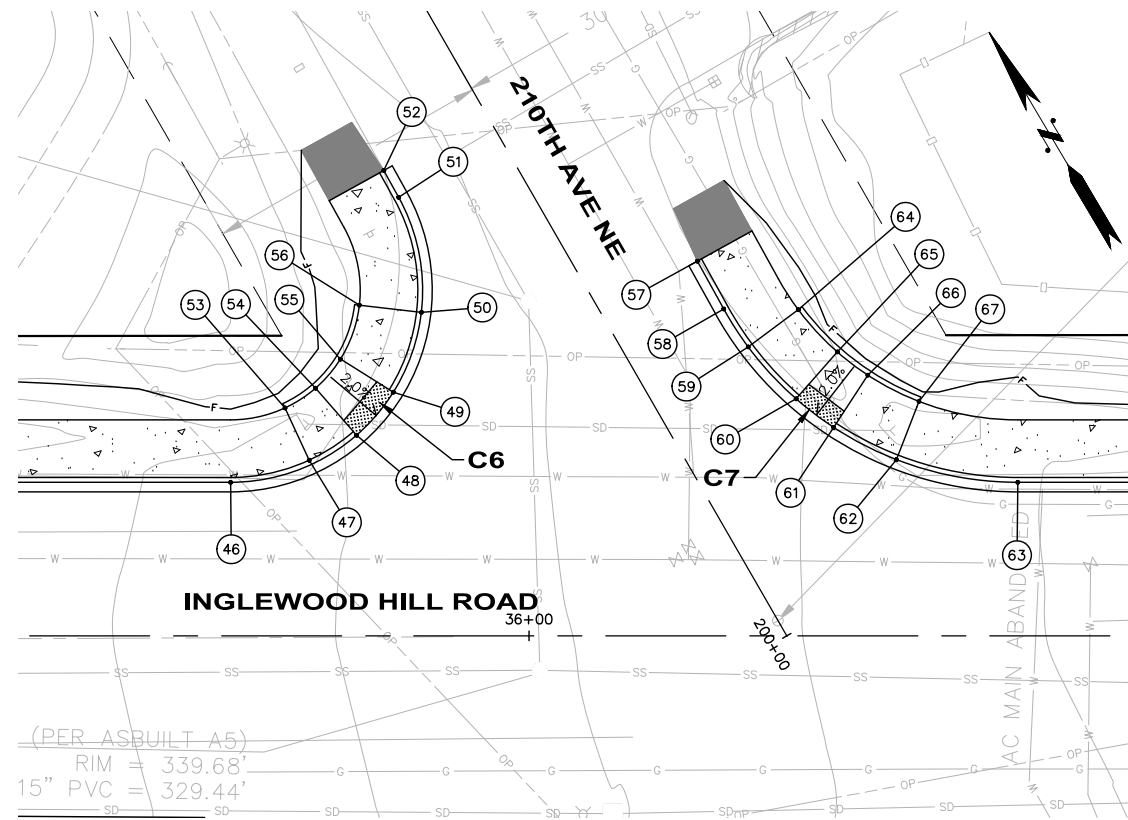
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY DETAILS**  
**CURB RAMP PLANS**

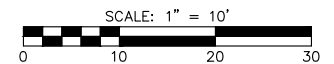
**10-140008**  
OCI PROJECT NO.  
51 89  
SHEET OF





| CURB RETURN TABLE C6 |                       |        |                            |   |
|----------------------|-----------------------|--------|----------------------------|---|
| ##                   | STATION (OFFSET)      | ELEV.  | DESCRIPTION                | CURVE DATA  |
| 46                   | 35+68.93 (16.00' LT)  | 337.47 | TOP OF CURB AT PC          | $\Delta = 95^{\circ}35'28''$<br>$R = 20.00$<br>$T = 22.05$<br>$L = 33.37$ |
| 47                   | 35+77.11 (18.30' LT)  | 338.19 | TOP OF CURB AT TOP OF RAMP |   |
| 48                   | 35+82.04 (20.90' LT)  | 338.14 | FLOWLINE AT RAMP TOE       |   |
| 49                   | 35+85.88 (25.39' LT)  | 338.56 | FLOWLINE AT RAMP TOE       |   |
| 50                   | 200+48.20 (16.17' LT) | 339.66 | TOP OF CURB AT RAMP TOP    |   |
| 51                   | 200+59.76 (12.24' LT) | 340.12 | TOP OF CURB AT PT          |   |
| 52                   | 200+62.95 (12.19' LT) | 340.17 | TOP OF CURB                | $\Delta = 61^{\circ}02'30''$<br>$R = 35.00$<br>$T = 20.63$<br>$L = 37.29$ |
| 53                   | 35+74.59 (23.75' LT)  | 338.31 | FG AT TOP OF RAMP          |   |
| 54                   | 35+77.78 (25.81' LT)  | 338.26 | FG AT BACK OF WALK         |   |
| 55                   | 35+80.36 (28.83' LT)  | 338.68 | FG AT BACK OF WALK         |   |
| 56                   | 200+52.06 (21.39' LT) | 339.78 | FG AT TOP OF RAMP          |   |
| CURB RETURN TABLE C7 |                       |        |                            |   |
| 57                   | 200+38.48 (11.40' RT) | 341.69 | TOP OF CURB                | $\Delta = 61^{\circ}02'30''$<br>$R = 35.00$<br>$T = 20.63$<br>$L = 37.29$ |
| 58                   | 200+32.79 (11.30' RT) | 341.88 | TOP OF CURB AT PT          |   |
| 59                   | 200+28.09 (11.54' RT) | 342.03 | TOP OF CURB AT RAMP TOP    |   |
| 60                   | 200+20.92 (13.17' RT) | 341.91 | FLOWLINE AT RAMP TOE       |   |
| 61                   | 200+16.39 (15.07' RT) | 342.24 | FLOWLINE AT RAMP TOE       |   |
| 62                   | 200+10.22 (19.06' RT) | 343.28 | TOP OF CURB AT RAMP TOP    | $\Delta = 44^{\circ}30'37''$<br>$R = 35.00$<br>$T = 14.32$<br>$L = 27.19$ |
| 63                   | 36+50.91 (16.00' LT)  | 344.47 | TOP OF CURB AT PC          |   |
| 64                   | 200+28.85 (18.00' RT) | 342.15 | FG AT TOP OF RAMP          |   |
| 65                   | 200+23.01 (19.32' RT) | 342.03 | FG AT BACK OF WALK         |   |
| 66                   | 200+19.33 (20.87' RT) | 342.36 | FG AT BACK OF WALK         |   |
| 67                   | 200+14.30 (24.12' RT) | 343.40 | FG AT TOP OF RAMP          |   |

| CURB RETURN TABLE C8 |                       |        |                         |  |
|----------------------|-----------------------|--------|-------------------------|--|
| ##                   | STATION (OFFSET)      | ELEV.  | DESCRIPTION             | CURVE DATA   |
| 68                   | 38+76.12 (16.00' LT)  | 356.61 | TOP OF CURB AT PC       | $\Delta = 109^{\circ}03'29''$<br>$R = 15.00$<br>$T = 21.05$<br>$L = 28.55$ |
| 69                   | 38+85.72 (19.75' LT)  | 356.75 | FLOWLINE AT RAMP TOE    |  |
| 70                   | 300+48.41 (21.90' LT) | 357.48 | FLOWLINE AT RAMP TOE    |  |
| 71                   | 300+56.96 (15.77' LT) | 359.43 | TOP OF CURB AT PT       |  |
| 72                   | 38+76.12 (22.50' LT)  | 356.73 | FG AT BACK OF WALK      |  |
| 73                   | 38+81.53 (24.61' LT)  | 356.93 | FG AT BACK OF WALK      |  |
| 74                   | 300+53.81 (25.52' LT) | 357.60 | FG AT BACK OF WALK      | $\Delta = 44^{\circ}30'37''$<br>$R = 35.00$<br>$T = 14.32$<br>$L = 27.19$  |
| 75                   | 300+58.57 (22.07' LT) | 359.52 | FG AT BACK OF WALK      |  |
| 76                   | NOT USED              |        |                         |  |
| 77                   | NOT USED              |        |                         |  |
| 78                   | NOT USED              |        |                         |  |
| CURB RETURN TABLE C9 |                       |        |                         |  |
| 79                   | 300+22.51 (14.17' RT) | 358.85 | TOP OF CURB AT PT       | $\Delta = 44^{\circ}30'37''$<br>$R = 35.00$<br>$T = 14.32$<br>$L = 27.19$  |
| 80                   | 300+16.61 (15.22' RT) | 358.22 | FLOWLINE AT RAMP TOE    |  |
| 81                   | 39.45.14 (19.97' LT)  | 358.11 | FLOWLINE AT RAMP TOE    |  |
| 82                   | 39+51.00 (19.93' LT)  | 358.61 | TOP OF CURB AT RAMP TOP |  |
| 83                   | 39+45.14 (22.50' LT)  | 358.21 | FG AT BACK OF WALK      |  |
| 84                   | 39+50.96 (2.50' LT)   | 358.72 | FG AT BACK OF WALK      | $\Delta = 44^{\circ}30'37''$<br>$R = 35.00$<br>$T = 14.32$<br>$L = 27.19$  |
| 85                   | NOT USED              |        |                         |  |
| 86                   | NOT USED              |        |                         |  |
| 87                   | NOT USED              |        |                         |  |



Know what's below.  
Call before you dig.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_DWG.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

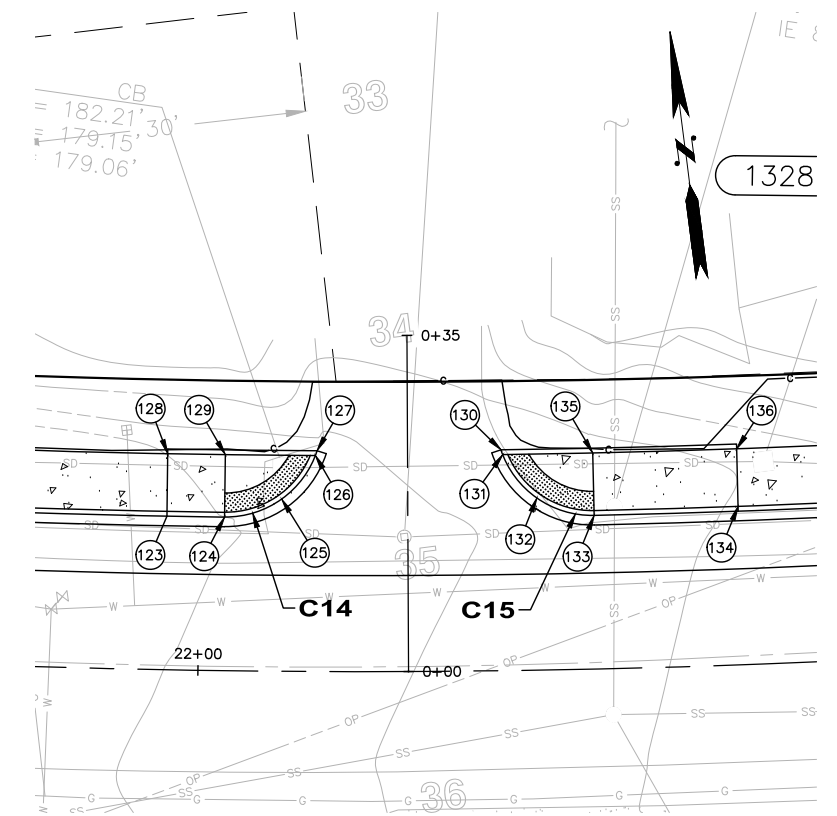
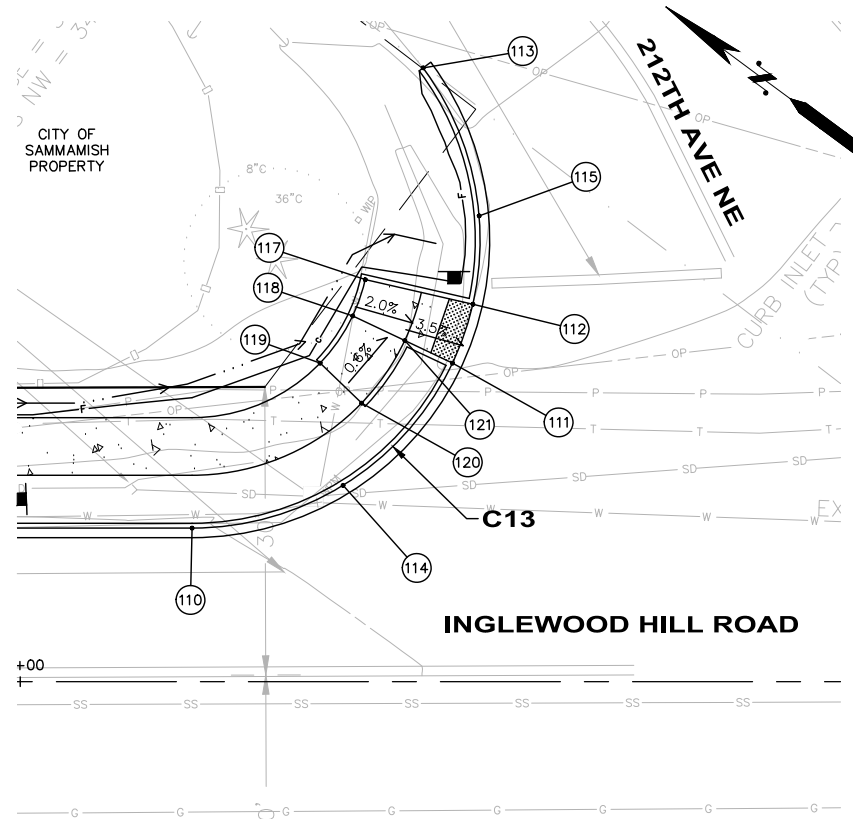
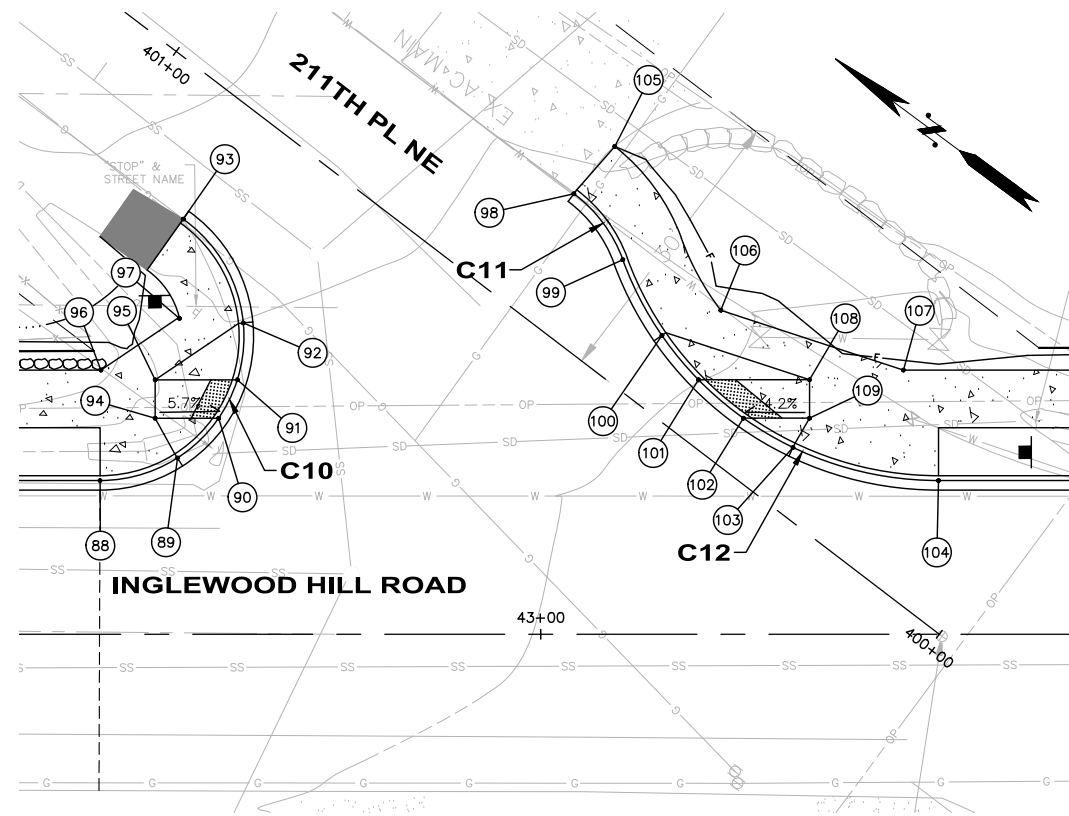


**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY DETAILS**  
**CURB RAMP PLANS**

**10-140008**  
 OCI PROJECT NO.  
 52 OF  
 SHEET OF



| CURB RETURN TABLE C10 |                       |        |                         |  |
|-----------------------|-----------------------|--------|-------------------------|--|
|                       | STATION (OFFSET)      | ELEV.  | DESCRIPTION             | CURVE DATA   |
| 88                    | 42+54.09 (16.00' LT)  | 355.78 | TOP OF CURB AT PC       | $\Delta = 144^{\circ}44'11''$<br>R = 15.00<br>T = 47.18<br>L = 37.88 |
| 89                    | 42+62.16 (18.35' LT)  | 355.80 | TOP OF CURB AT RAMP TOP |  |
| 90                    | 42+66.45 (22.49' LT)  | 355.71 | FLOWLINE AT RAMP TOE    |  |
| 91                    | 42+68.40 (26.49' LT)  | 355.90 | FLOWLINE AT RAMP TOE    |  |
| 92                    | 400+69.02 (32.42' LT) | 356.71 | TOP OF CURB AT RAMP TOP |  |
| 93                    | 400+88.83 (13.44' LT) | 357.53 | TOP OF CURB AT PT       |  |
| 94                    | 42+59.83 (22.49' LT)  | 356.09 | FG AT RAMP TOP          |  |
| 95                    | 42+59.83 (26.49' LT)  | 356.17 | FG AT RAMP TOP          |  |
| 96                    | 42+56.36 (24.50' LT)  | 356.20 | FG AT BACK OF WALK      |  |
| 97                    | 42+62.37 (32.89' LT)  | 356.74 | FG AT BACK OF WALK      |  |
| CURB RETURN TABLE C11 |                       |        |                         |  |
| 98                    | 400+58.09 (13.35' RT) | 355.88 | TOP OF CURB AT PC       | $\Delta = 33^{\circ}08'28''$<br>R = 15.00<br>T = 4.46<br>L = 8.86    |
| 99                    | 400+49.87 (10.99' RT) | 355.48 | TOP OF CURB AT PRC      |  |
| CURB RETURN TABLE C12 |                       |        |                         |  |
| 99                    | 400+49.87 (10.99' RT) | 355.48 | TOP OF CURB AT PRC      | $\Delta = 69^{\circ}57'01''$<br>R = 35.00<br>T = 24.48<br>L = 42.73  |
| 100                   | 400+41.85 (7.20' RT)  | 355.07 | TOP OF CURB AT RAMP TOP |  |
| 101                   | 400+36.01 (5.84' RT)  | 354.30 | FLOWLINE AT RAMP TOE    |  |
| 102                   | 400+29.87 (5.50' RT)  | 354.02 | FLOWLINE AT RAMP TOE    |  |
| 103                   | 400+23.91 (6.21' RT)  | 354.24 | TOP OF CURB AT RAMP TOP |  |
| 104                   | 400+09.78 (12.66' RT) | 353.52 | TOP OF CURB AT PT       |  |
| 105                   | 400+57.69 (19.85' RT) |        | MATCH EXISTING          |  |
| 106                   | 400+38.57 (13.00' RT) | 354.92 | FG AT BACK OF WALK      |  |
| 107                   | 400+23.06 (16.99' RT) | 354.24 | FG AT BACK OF WALK      |  |
| 108                   | 400+26.83 (12.85' RT) | 354.39 | FG AT RAMP TOP          |  |
| 109                   | 400+24.40 (9.67' RT)  | 354.31 | FG AT RAMP TOP          |  |

| CURB RETURN TABLE C13 |                      |        |                            |  |
|-----------------------|----------------------|--------|----------------------------|--|
|                       | STATION (OFFSET)     | ELEV.  | DESCRIPTION                | CURVE DATA   |
| 110                   | 46+17.89 (16.00' LT) | 346.58 | TOP OF CURB AT PC          | $\Delta = 126^{\circ}41'19''$<br>R = 30.00<br>T = 59.76<br>L = 66.33 |
| 111                   | 46+45.01 (33.18' LT) | 346.09 | FLOWLINE AT RAMP TOE       |  |
| 112                   | 46+47.14 (39.31' LT) | 346.42 | FLOWLINE AT RAMP TOE       |  |
| 113                   | 46+41.95 (63.92' LT) | 349.05 | TOP OF CURB AT PT          |  |
| 114                   | 46+33.61 (20.45' LT) | 346.30 | TOP OF CURB AT 1/2         |  |
| 115                   | 46+47.79 (48.52' LT) | 347.69 | TOP OF CURB AT 3/4         |  |
| 116                   |                      |        | NOT USED                   |  |
| 117                   | 46+35.92 (41.87' LT) | 346.48 | FLOWLINE AT TOP OF LANDING |  |
| 118                   | 46+34.62 (38.09' LT) | 346.40 | FLOWLINE AT RAMP TOE       |  |
| 119                   | 46+31.22 (33.18' LT) | 346.44 | FLOWLINE AT RAMP TOP       |  |
| 120                   | 46+35.55 (29.02' LT) | 346.32 | FLOWLINE AT RAMP TOP       |  |
| 121                   | 46+40.04 (35.53' LT) | 346.28 | FLOWLINE AT RAMP TOP       |  |
| 122                   | 46+41.77 (40.53' LT) | 346.42 | FLOWLINE AT RAMP TOP       |  |

| CURB RETURN TABLE C14 |                      |        |                         |  |
|-----------------------|----------------------|--------|-------------------------|--|
| #                     | STATION (OFFSET)     | ELEV.  | DESCRIPTION             | CURVE DATA   |
| 123                   | 21+96.47 (16.00' LT) | 181.97 | TOP OF CURB AT PC       | $\Delta = 72^{\circ}47'48''$<br>R = 10.00<br>T = 7.37<br>L = 12.71 |
| 124                   | 22+02.56 (16.00' LT) | 182.02 | FLOWLINE AT RAMP TOE    |  |
| 125                   | 22+08.59 (17.93' LT) | 182.81 | FLOWLINE AT 1/2 POINT   |  |
| 126                   | 22+12.14 (22.50' LT) | 183.57 | FLOWLINE AT RAMP TOE    |  |
| 127                   | 22+12.32 (23.00' LT) | 183.60 | FLOWLINE AT PT          |  |
| 128                   | 21+96.43 (22.50' LT) | 182.12 | FG AT BACK OF WALK      |  |
| 129                   | 22+02.56 (22.50' LT) | 182.17 | FLOWLINE AT RAMP TOE    |  |
| CURB RETURN TABLE C15 |                      |        |                         |  |
| 130                   | 22+31.88 (23.00' LT) | 185.38 | FLOWLINE AT PC          | $\Delta = 72^{\circ}47'39''$<br>R = 10.00<br>T = 7.37<br>L = 12.70 |
| 131                   | 22+32.06 (22.50' LT) | 185.37 | FLOWLINE AT LANDING TOE |  |
| 132                   | 22+35.61 (17.93' LT) | 185.26 | FLOWLINE AT MIDPOINT    |  |
| 133                   | 22+41.64 (16.00' LT) | 185.13 | FLOWLINE AT PT          |  |
| 134                   | 22+56.87 (16.50' LT) | 186.81 | TOP OF CURB AT RAMP TOP |  |
| 135                   | 22+41.64 (22.50' LT) | 185.27 | FLOWLINE AT RAMP TOE    |  |
| 136                   | 22+56.95 (22.50' LT) | 186.93 | FLOWLINE AT RAMP TOP    |  |

USER: Travis; Filename: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_DWAY.dwg; PLOTTING DATE: 4/20/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**ROADWAY DETAILS**  
**CURB RAMP PLANS**

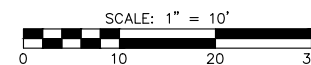
**10-140008**  
OCI PROJECT NO.  
53 89  
SHEET OF



Know what's below.  
Call before you dig.

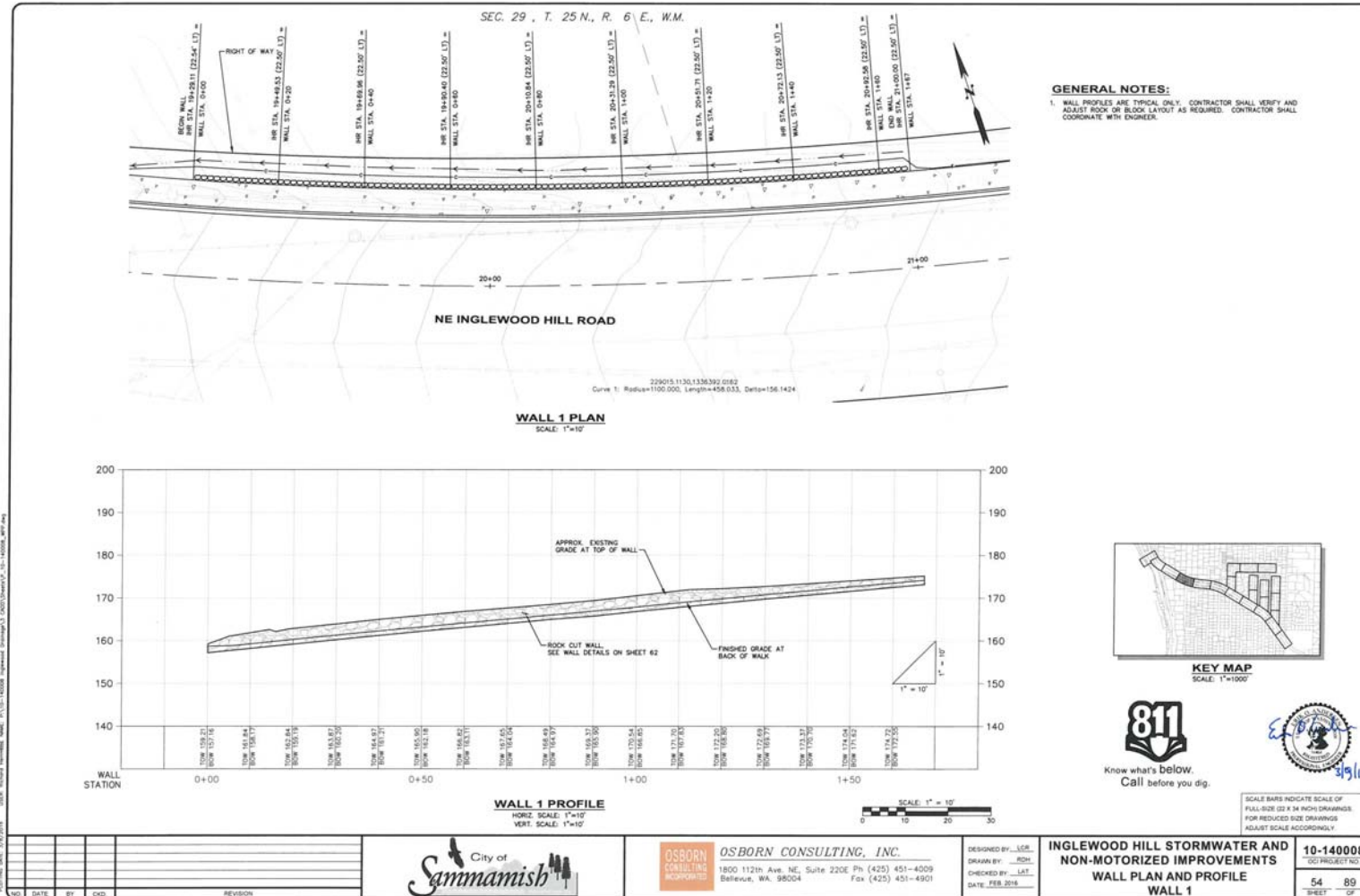


4/20/16

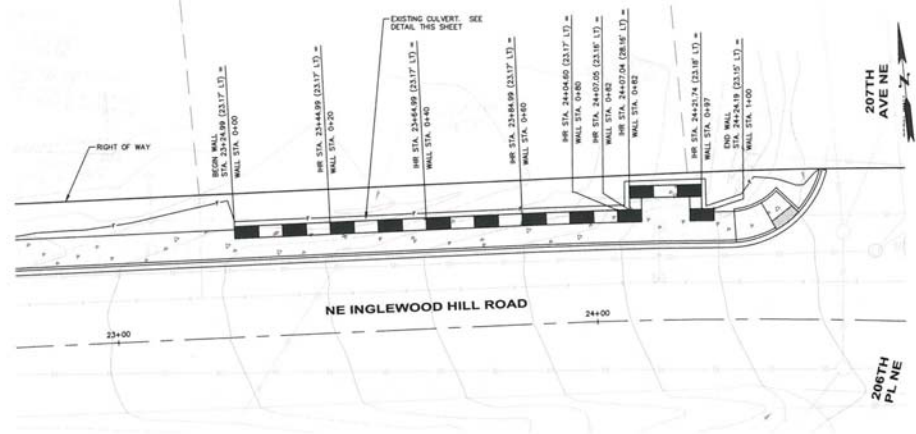


SCALE BARS INDICATE SCALE OF FULL-SIZE (22 X 34 INCH) DRAWINGS. FOR REDUCED SIZE DRAWINGS, ADJUST SCALE ACCORDINGLY.

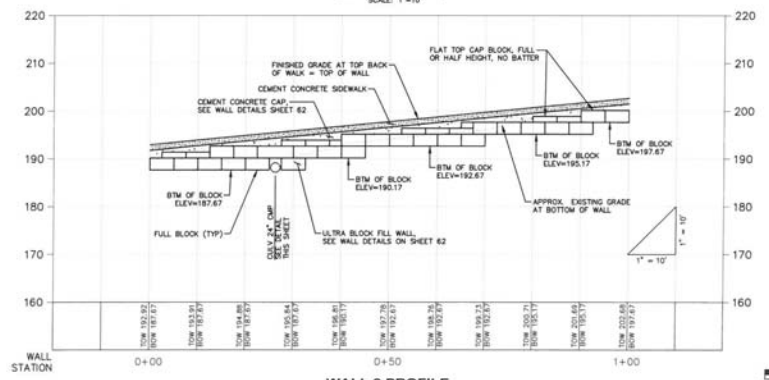




SEC. 29, T. 25 N., R. 6 E., W.M.

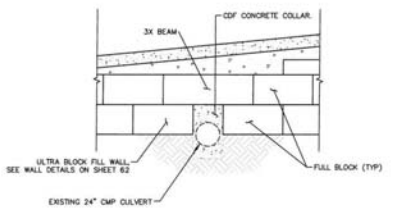


**WALL 2 PLAN**  
SCALE: 1"=10'

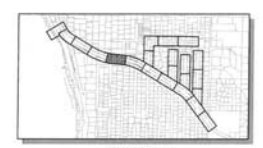


**WALL 2 PROFILE**  
HORIZ. SCALE: 1"=10'  
VERT. SCALE: 1"=10'

**GENERAL NOTES:**  
1. WALL PROFILES ARE TYPICAL ONLY. CONTRACTOR SHALL VERIFY AND ADJUST BLOCK OR BLOCK LAYOUT AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH ENGINEER.



**EXISTING CULVERT DETAIL**  
N.T.S.



**KEY MAP**  
SCALE: 1"=1000'



OSBORN CONSULTING, INC. 1800 112th Ave. NE, Suite 220E Ph (425) 451-4008 Fax (425) 451-4901  
 DRAWN BY: SEM  
 CHECKED BY: LAT  
 DATE: FEB 2018

| NO. | DATE | BY | CHKD. | REVISION |
|-----|------|----|-------|----------|
|     |      |    |       |          |
|     |      |    |       |          |
|     |      |    |       |          |



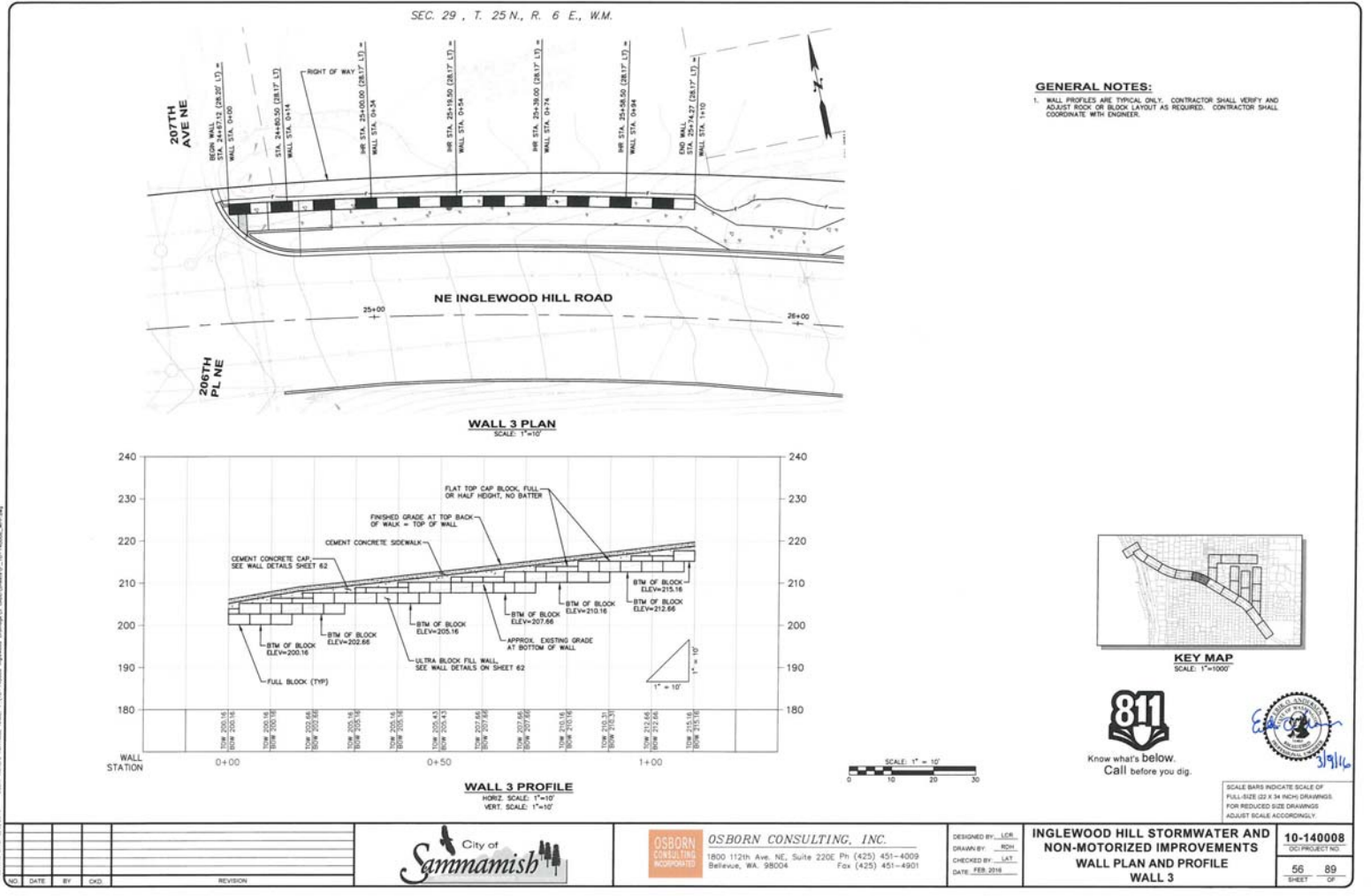
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4008  
Bellevue, WA 98004 Fax (425) 451-4901

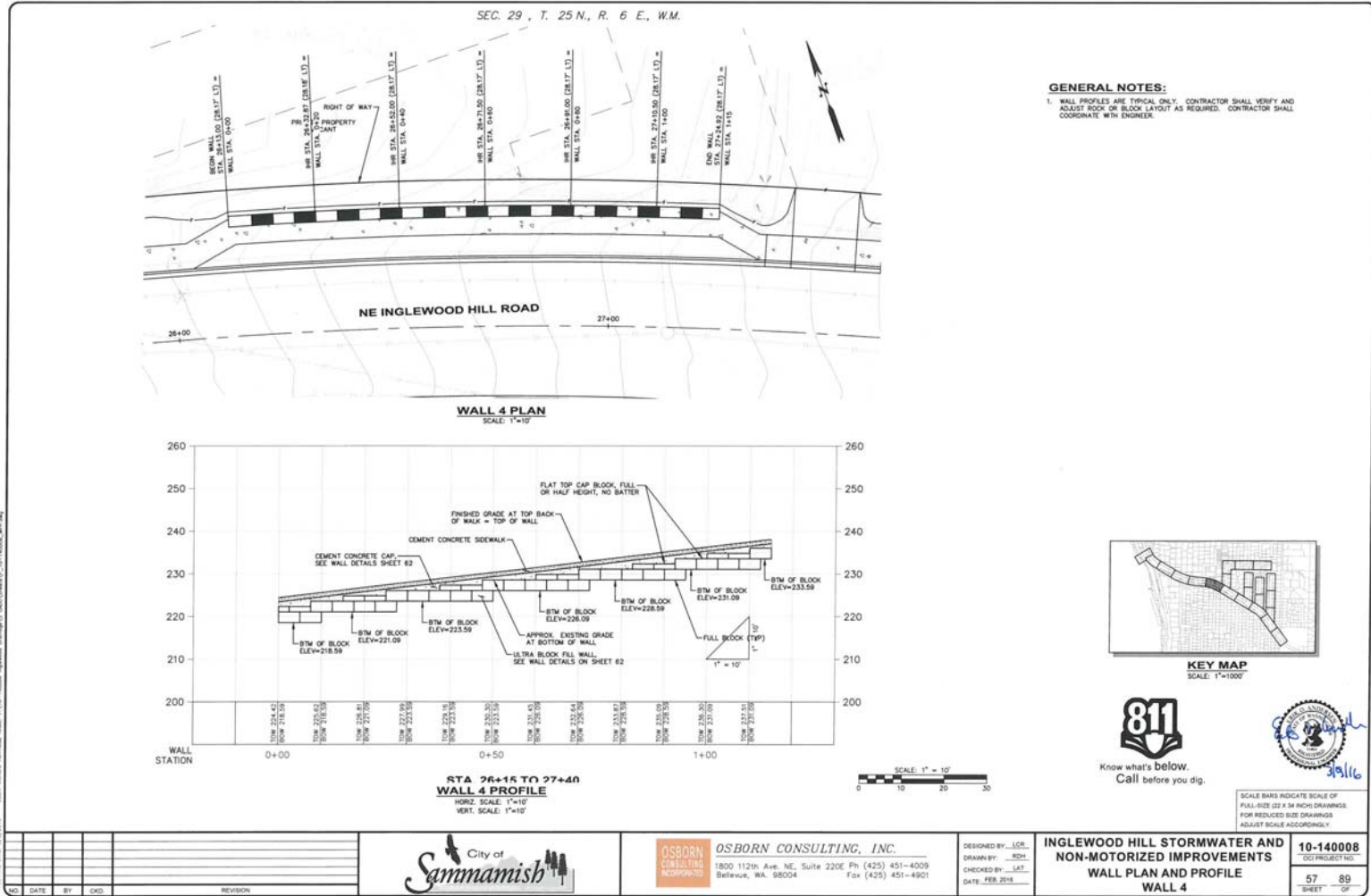
DESIGNED BY: LCB  
DRAWN BY: SEM  
CHECKED BY: LAT  
DATE: FEB 2018

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**WALL PLAN AND PROFILE**  
**WALL 2**

**10-140008**  
DD PROJECT NO.  
**55 89**  
SHEET OF







**GENERAL NOTES:**  
1. WALL PROFILES ARE TYPICAL ONLY. CONTRACTOR SHALL VERIFY AND ADJUST BLOCK OR BLOCK LAYOUT AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH ENGINEER.



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph: (425) 451-4008  
Bellevue, WA 98004 Fax: (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDM  
CHECKED BY: LAT  
DATE: FEB 2018

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**WALL PLAN AND PROFILE**  
**WALL 4**

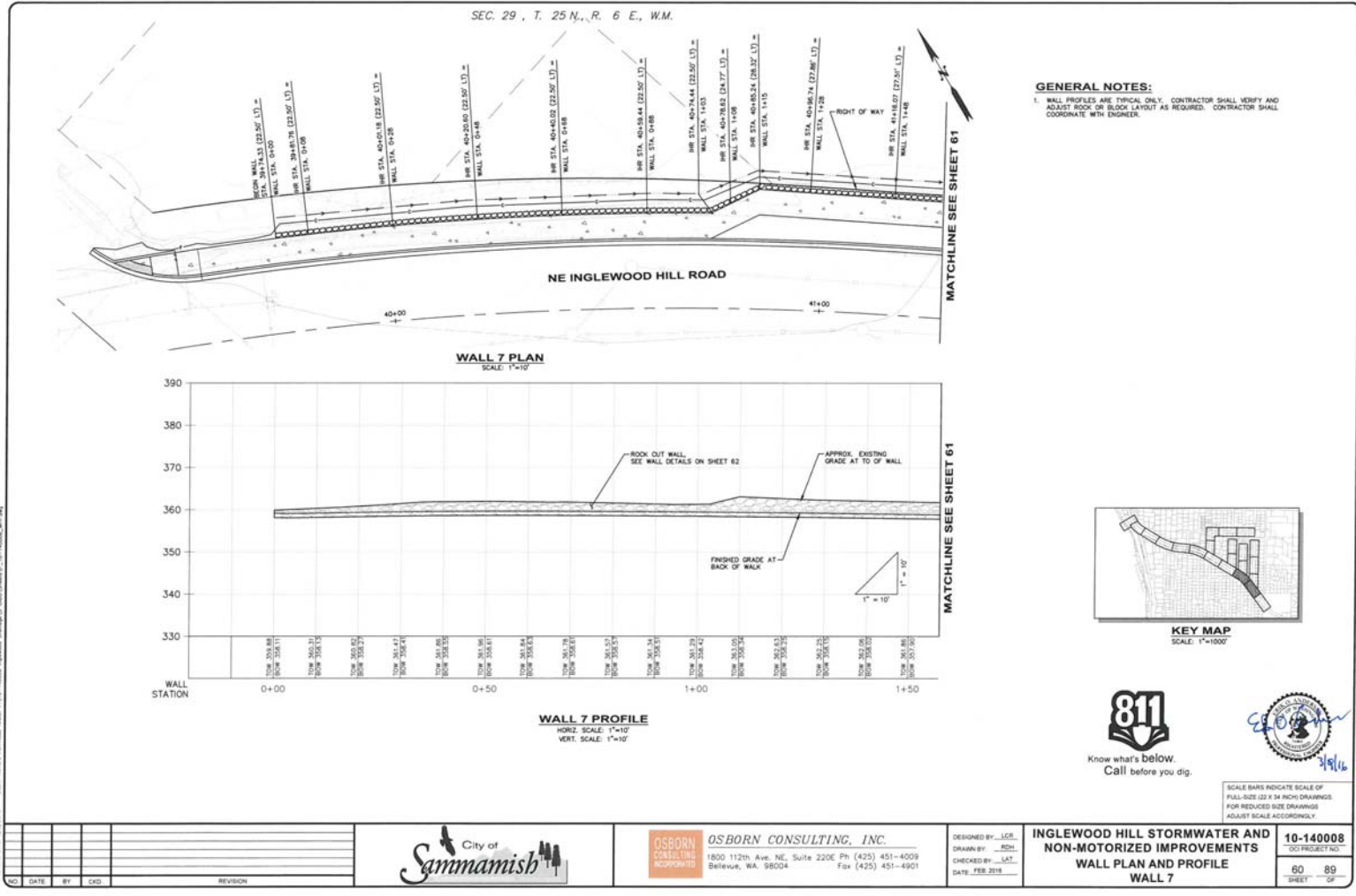
**10-140008**  
PROJECT NO.  
**57 89**  
SHEET OF





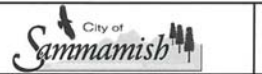






DATE: 02/20/18  
 OSBORN CONSULTING, INC. 1800 112th Ave. NE, Suite 220E Ph: (425) 451-4009  
 Bellevue, WA 98004 Fax: (425) 451-4901

| NO. | DATE | BY | CHKD | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



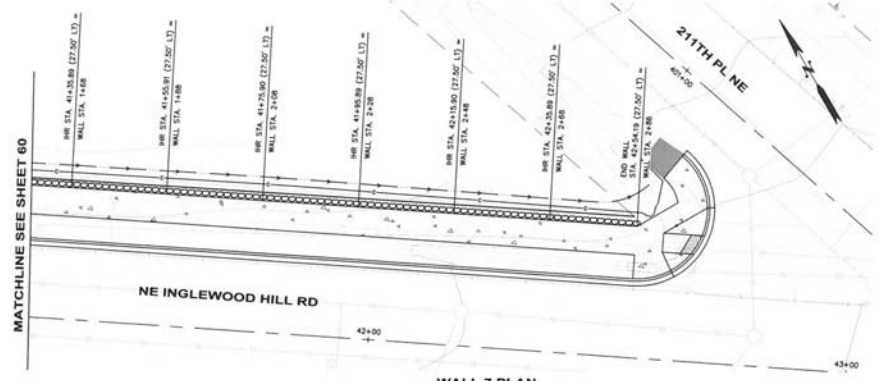
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph: (425) 451-4009  
 Bellevue, WA 98004 Fax: (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RCH  
 CHECKED BY: LAT  
 DATE: FEB 2018

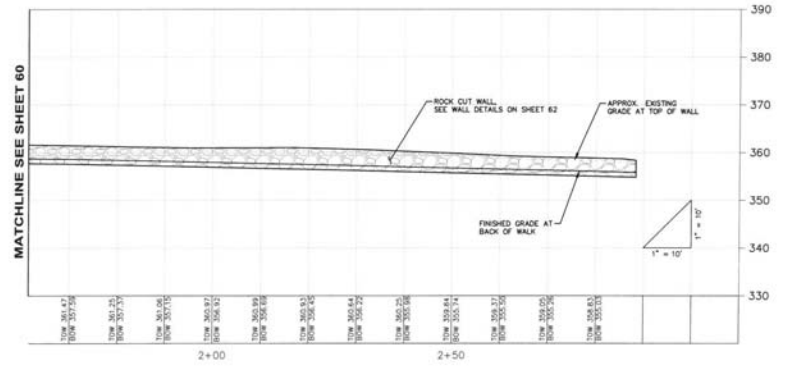
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**WALL PLAN AND PROFILE**  
**WALL 7**

10-140008  
 80 89  
 SHEET 02

SEC. 29 , T. 25 N., R. 6 E., W.M.



**WALL 7 PLAN**  
SCALE: 1"=10'



**WALL 7 PROFILE**  
HORIZ. SCALE: 1"=10'  
VERT. SCALE: 1"=10'

**GENERAL NOTES:**  
1. WALL PROFILES ARE TYPICAL ONLY. CONTRACTOR SHALL VERIFY AND ADJUST ROCK OR BLOCK LAYOUT AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH ENGINEER.

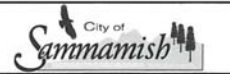


**KEY MAP**  
SCALE: 1"=1000'



SCALE BARS INDICATE SCALE OF FULL-SIZE (24 X 36 INCH) DRAWINGS. FOR REDUCED-SIZE DRAWINGS, ADJUST SCALE ACCORDINGLY.

| NO. | DATE | BY | CHK. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

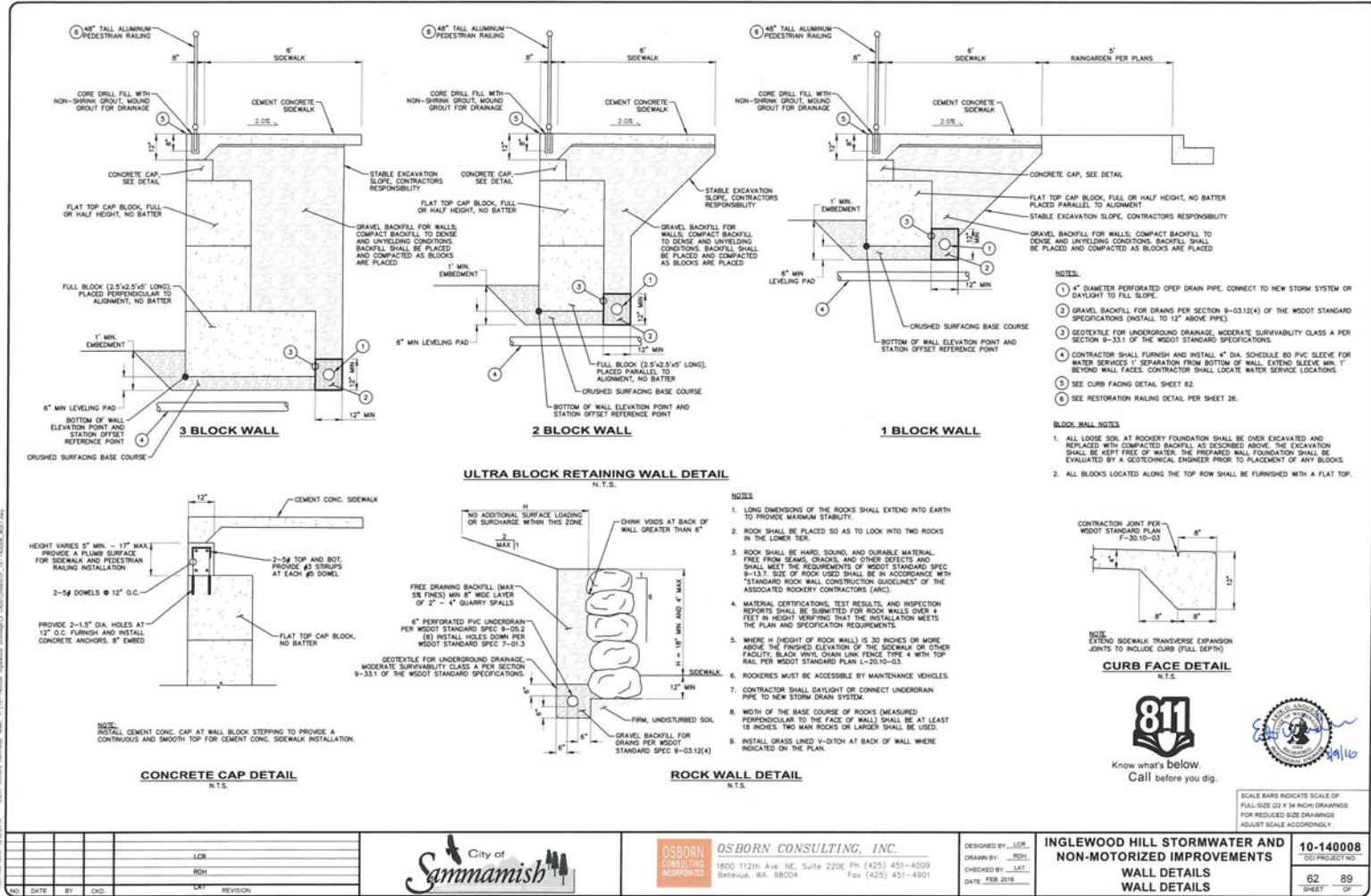


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph: (425) 451-4009  
Bellevue, WA, 98004 Fax: (425) 451-4901

DESIGNED BY: LSB  
DRAWN BY: RDH  
CHECKED BY: SAT  
DATE: FEB 2018

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**WALL PLAN AND PROFILE**  
**WALL 7 (CONT.)**

**10-140008**  
DC PROJECT NO.  
61 89  
SHEET OF



|     |      |    |      |             |
|-----|------|----|------|-------------|
| NO. | DATE | BY | CHK. | DESCRIPTION |
|     |      |    |      |             |
|     |      |    |      |             |
|     |      |    |      |             |



**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4000  
 Bellevue, WA 98004 Fax (425) 451-4901

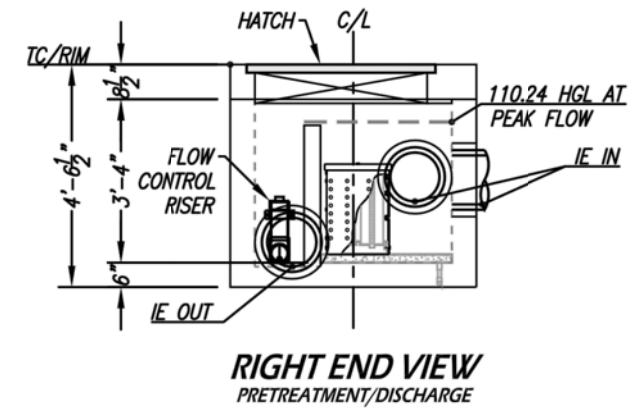
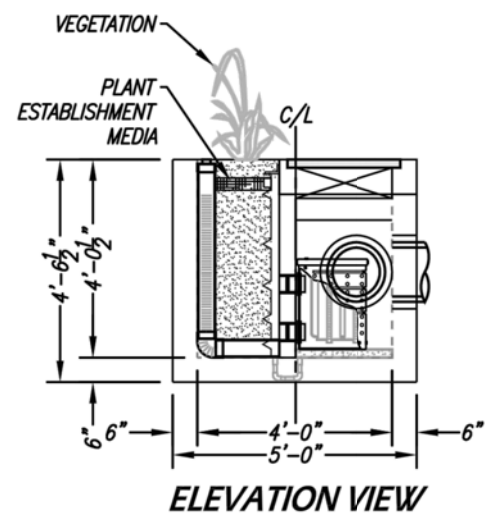
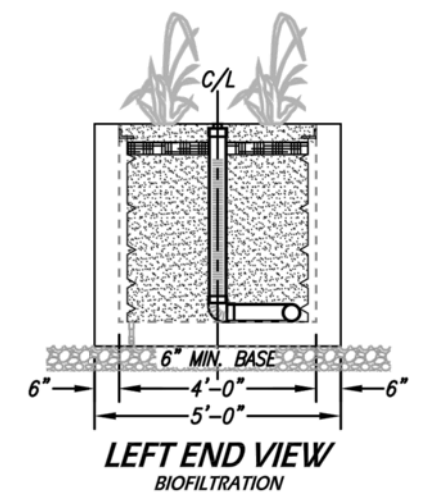
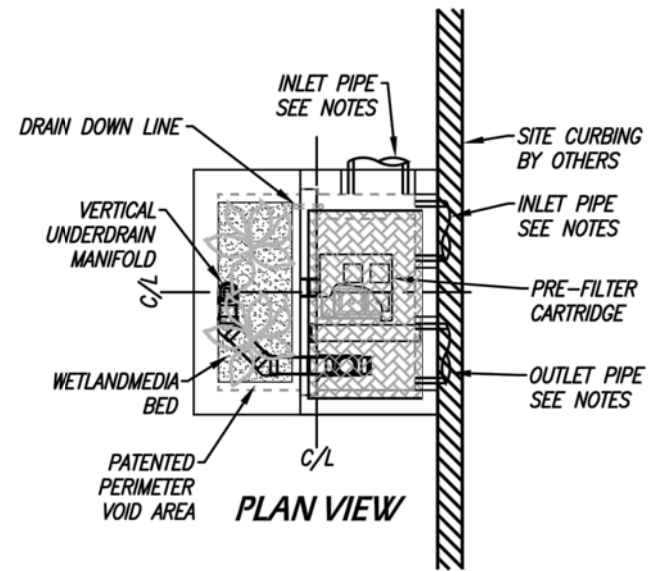
DESIGNED BY: LOR.  
 DRAWN BY: RDH.  
 CHECKED BY: LAT.  
 DATE: FEB 2018

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**WALL DETAILS**  
**WALL DETAILS**

10-140008  
 62 89  
 SHEET OF



| SITE SPECIFIC DATA                         |                       |               |           |
|--|-----------------------|---------------|-----------|
| PROJECT NUMBER                             | 3310                  |               |           |
| PROJECT NAME                               | INGLEWOOD             |               |           |
| PROJECT LOCATION                           | SAMMAMISH, WASHINGTON |               |           |
| STRUCTURE ID                               | MWS 81                |               |           |
| TREATMENT REQUIRED                         |                       |               |           |
| VOLUME BASED (CF)                          | FLOW BASED (CFS)      |               |           |
|  | 0.0207                |               |           |
| TREATMENT HGL AVAILABLE (FT)               | N/A                   |               |           |
| PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE | 0.108                 |               |           |
| PIPE DATA                                  | I.E.                  | MATERIAL      | DIAMETER  |
| INLET PIPES                                | 108.62                | SCHEDULE A    | 12"       |
| OUTLET PIPE                                | 107.29                | SCHEDULE A    | 12"       |
|  | PRETREATMENT          | BIOFILTRATION | DISCHARGE |
| RIM ELEVATION                              | 111.42                | 111.42        | 111.42    |
| SURFACE LOAD                               | PARKWAY               | OPEN PLANTER  | PARKWAY   |
| FRAME & COVER                              | 24" x 42"             | N/A           | N/A       |
| WETLANDMEDIA VOLUME (CY)                   | 0.98                  |               |           |
| WETLANDMEDIA DELIVERY METHOD               | PER CONTRACT          |               |           |
| ORIFICE SIZE (DIA. INCHES)                 | ø0.989"               |               |           |
| NOTES:                                     |                       |               |           |



**INSTALLATION NOTES**

- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
- UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
- ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
- CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
- DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

**GENERAL NOTES**

- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

**INTERNAL BYPASS DISCLOSURE:**

THE DESIGN AND CAPACITY OF THE PEAK CONVEYANCE METHOD TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD. HGL(S) AT PEAK FLOW SHALL BE ASSESSED TO ENSURE NO UPSTREAM FLOODING. PEAK HGL AND BYPASS CAPACITY SHOWN ON DRAWING ARE USED FOR GUIDANCE ONLY.

|                                     |       |
|-------------------------------------|-------|
| TREATMENT FLOW (CFS)                | 0.043 |
| OPERATING HEAD (FT)                 | 2.8   |
| PRETREATMENT LOADING RATE (GPM/SF)  | 1.5   |
| WETLAND MEDIA LOADING RATE (GPM/SF) | 1.0   |

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

**PROPRIETARY AND CONFIDENTIAL:**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLANDS SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLANDS SYSTEMS IS PROHIBITED.



**MWS-L-4-4-V**  
STORMWATER BIOFILTRATION SYSTEM  
STANDARD DETAIL



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franke\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg 2/29/16ASD/AVL

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



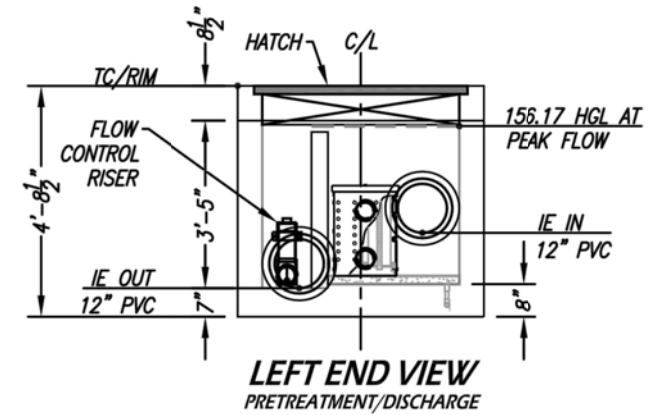
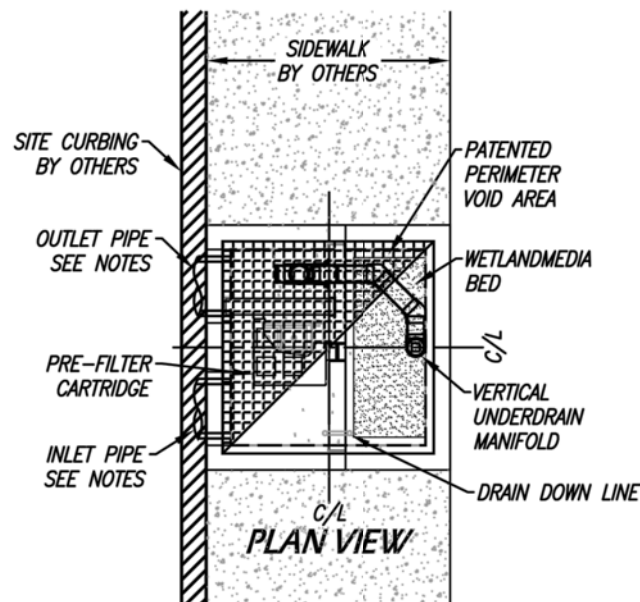
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**MODULAR WETLAND SYSTEM STANDARD DETAIL**

**10-140008**  
OCI PROJECT NO.  
**63** **89**  
SHEET OF

| SITE SPECIFIC DATA                         |                       |               |           |
|--|-----------------------|---------------|-----------|
| PROJECT NUMBER                             | 3310                  |               |           |
| PROJECT NAME                               | INGLEWOOD             |               |           |
| PROJECT LOCATION                           | SAMMAMISH, WASHINGTON |               |           |
| STRUCTURE ID                               | MWS 101               |               |           |
| TREATMENT REQUIRED                         |                       |               |           |
| VOLUME BASED (CF)                          | FLOW BASED (CFS)      |               |           |
|  | 0.0471                |               |           |
| TREATMENT HGL AVAILABLE (FT)               | N/A                   |               |           |
| PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE | 0.245                 |               |           |
| PIPE DATA                                  | I.E.                  | MATERIAL      | DIAMETER  |
| INLET PIPES                                | 155.03                | SCHEDULE A    | 12"       |
| OUTLET PIPE                                | 153.90                | SCHEDULE A    | 12"       |
|  | PRETREATMENT          | BIOFILTRATION | DISCHARGE |
| RIM ELEVATION                              | 158.03                | 158.03        | 158.03    |
| SURFACE LOAD                               | PARKWAY               | PARKWAY       | PARKWAY   |
| FRAME & COVER                              | 4' X 4'               | N/A           | N/A       |
| WETLANDMEDIA VOLUME (CY)                   | 0.98                  |               |           |
| WETLANDMEDIA DELIVERY METHOD               | PER CONTRACT          |               |           |
| ORIFICE SIZE (DIA. INCHES)                 | Ø1.02"                |               |           |
| NOTES:                                     |                       |               |           |

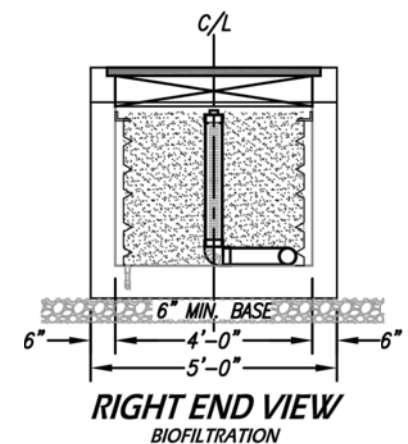
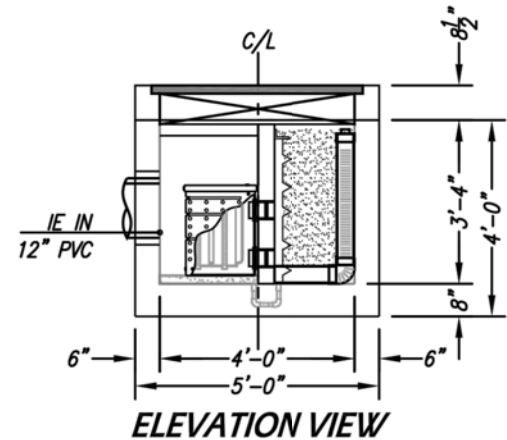


**INSTALLATION NOTES**

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

**GENERAL NOTES**

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.



**INTERNAL BYPASS DISCLOSURE:**

THE DESIGN AND CAPACITY OF THE PEAK CONVEYANCE METHOD TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD. HGL(S) AT PEAK FLOW SHALL BE ASSESSED TO ENSURE NO UPSTREAM FLOODING. PEAK HGL AND BYPASS CAPACITY SHOWN ON DRAWING ARE USED FOR GUIDANCE ONLY.

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

**PROPRIETARY AND CONFIDENTIAL:**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLANDS SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLANDS SYSTEMS IS PROHIBITED.



|                                     |       |
|-------------------------------------|-------|
| TREATMENT FLOW (CFS)                | 0.048 |
| OPERATING HEAD (FT)                 | 3.1   |
| PRETREATMENT LOADING RATE (GPM/SF)  | 1.7   |
| WETLAND MEDIA LOADING RATE (GPM/SF) | 1.0   |

**MWS-L-4-4-V-UG**  
STORMWATER BIOFILTRATION SYSTEM  
STANDARD DETAIL



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franke\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

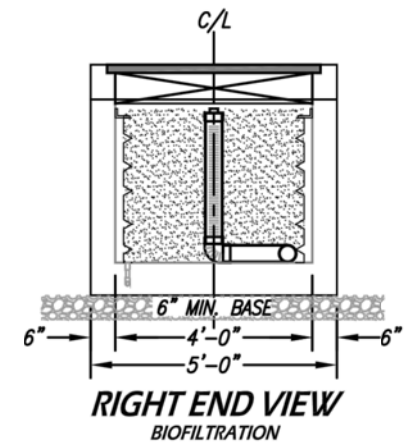
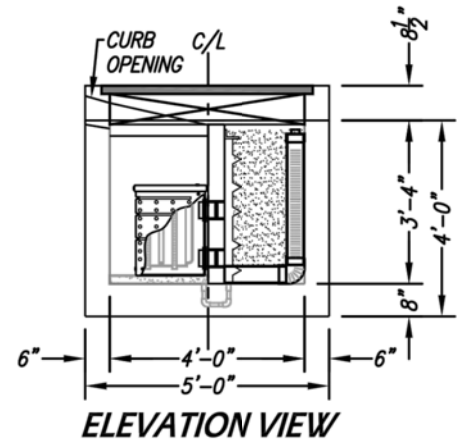
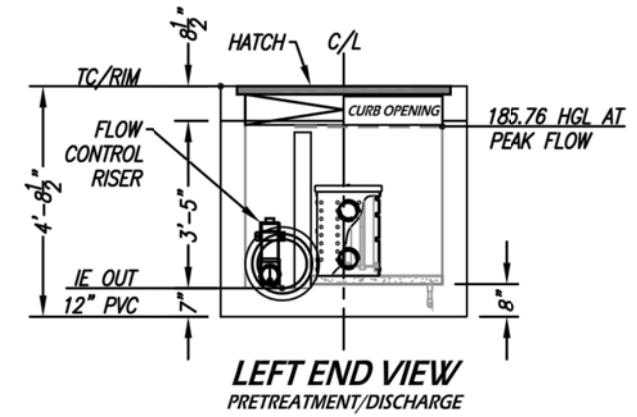
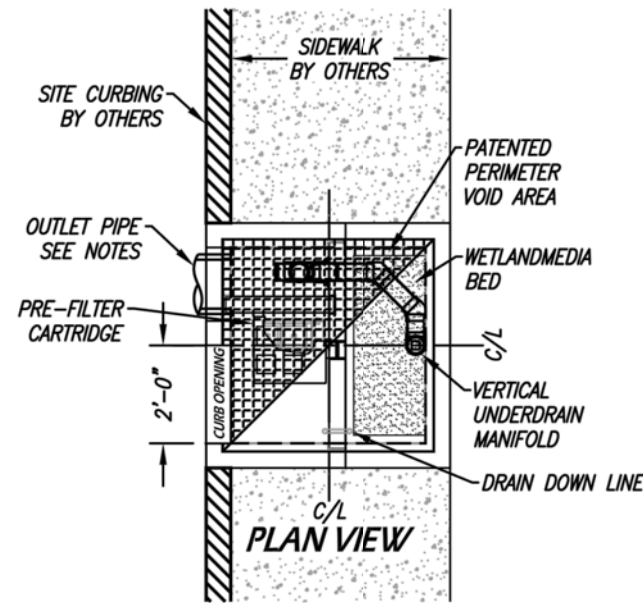
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**MODULAR WETLAND SYSTEM STANDARD DETAIL**

**10-140008**  
OCI PROJECT NO.  
**64** **89**  
SHEET OF



| SITE SPECIFIC DATA                         |                       |               |           |
|--|-----------------------|---------------|-----------|
| PROJECT NUMBER                             | 3310                  |               |           |
| PROJECT NAME                               | INGLEWOOD             |               |           |
| PROJECT LOCATION                           | SAMMAMISH, WASHINGTON |               |           |
| STRUCTURE ID                               | MWS 106               |               |           |
| TREATMENT REQUIRED                         |                       |               |           |
| VOLUME BASED (CF)                          | FLOW BASED (CFS)      |               |           |
|  | 0.0471                |               |           |
| TREATMENT HGL AVAILABLE (FT)               | N/A                   |               |           |
| PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE | 0.245                 |               |           |
| PIPE DATA                                  | I.E.                  | MATERIAL      | DIAMETER  |
| INLET PIPES                                | N/A                   | N/A           | N/A       |
| OUTLET PIPE                                | 182.79                | SCHEDULE A    | 12"       |
|  | PRETREATMENT          | BIOFILTRATION | DISCHARGE |
| RIM ELEVATION                              | 186.92                | 186.92        | 186.92    |
| SURFACE LOAD                               | PARKWAY               | PARKWAY       | PARKWAY   |
| FRAME & COVER                              | 4' X 4'               | N/A           | N/A       |
| WETLANDMEDIA VOLUME (CY)                   | 0.98                  |               |           |
| WETLANDMEDIA DELIVERY METHOD               | PER CONTRACT          |               |           |
| ORIFICE SIZE (DIA. INCHES)                 | Ø1.02"                |               |           |
| NOTES:                                     |                       |               |           |



**INSTALLATION NOTES**

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

**GENERAL NOTES**

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

**INTERNAL BYPASS DISCLOSURE:**

THE DESIGN AND CAPACITY OF THE PEAK CONVEYANCE METHOD TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD. HGL(S) AT PEAK FLOW SHALL BE ASSESSED TO ENSURE NO UPSTREAM FLOODING. PEAK HGL AND BYPASS CAPACITY SHOWN ON DRAWING ARE USED FOR GUIDANCE ONLY.

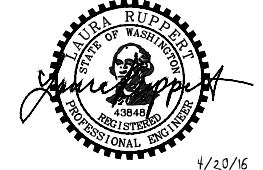
|                                     |       |
|-------------------------------------|-------|
| TREATMENT FLOW (CFS)                | 0.048 |
| OPERATING HEAD (FT)                 | 3.1   |
| PRETREATMENT LOADING RATE (GPM/SF)  | 1.7   |
| WETLAND MEDIA LOADING RATE (GPM/SF) | 1.0   |

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLANDS SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLANDS SYSTEMS IS PROHIBITED.



**MWS-L-4-4-C-UG**  
**STORMWATER BIOFILTRATION SYSTEM**  
**STANDARD DETAIL**



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franke\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg 2/29/16SPV/LAR

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

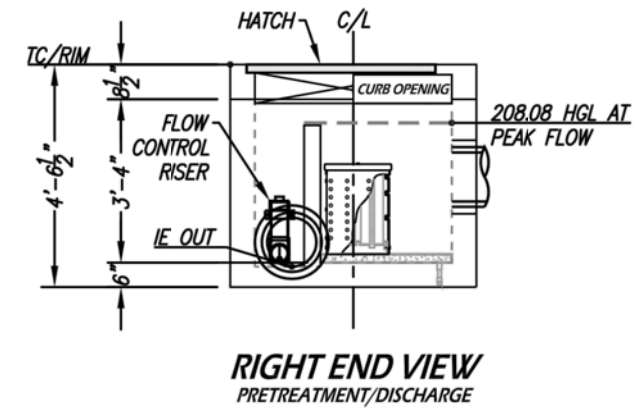
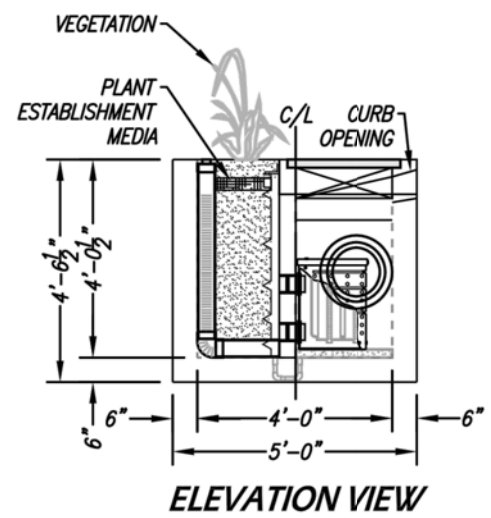
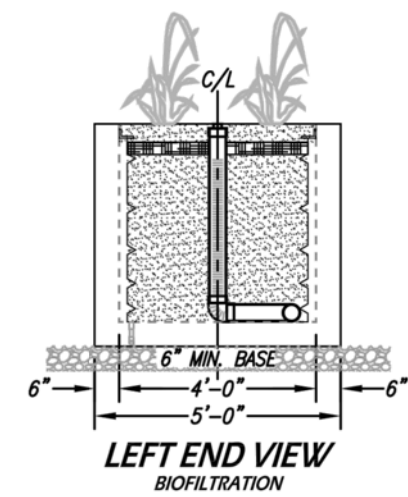
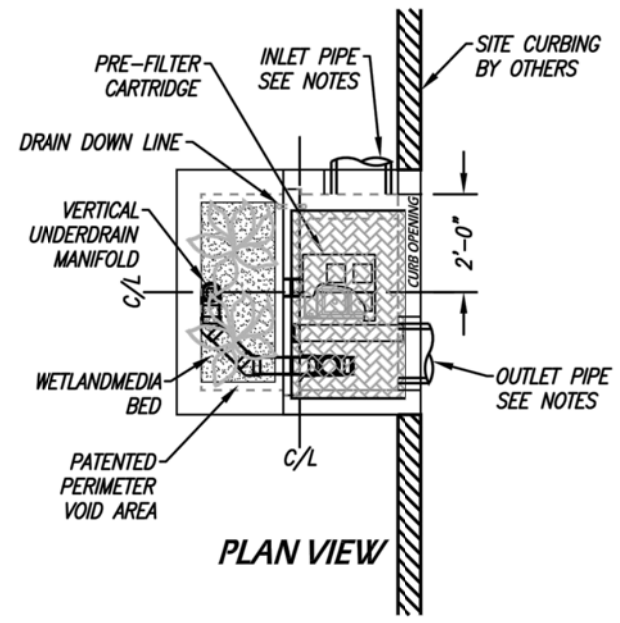
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**MODULAR WETLAND SYSTEM STANDARD DETAIL**

**10-140008**  
OCI PROJECT NO.  
**65** **89**  
SHEET OF



| SITE SPECIFIC DATA                         |                       |               |           |
|--|-----------------------|---------------|-----------|
| PROJECT NUMBER                             | 3310                  |               |           |
| PROJECT NAME                               | INGLEWOOD             |               |           |
| PROJECT LOCATION                           | SAMMAMISH, WASHINGTON |               |           |
| STRUCTURE ID                               | MWS 111               |               |           |
| TREATMENT REQUIRED                         |                       |               |           |
| VOLUME BASED (CF)                          | FLOW BASED (CFS)      |               |           |
|  | 0.0113                |               |           |
| TREATMENT HGL AVAILABLE (FT)               | N/A                   |               |           |
| PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE | 0.059                 |               |           |
| PIPE DATA                                  | I.E.                  | MATERIAL      | DIAMETER  |
| INLET PIPES                                | 206.48                | SCHEDULE A    | 12"       |
| OUTLET PIPE                                | 205.15                | SCHEDULE A    | 12"       |
|  | PRETREATMENT          | BIOFILTRATION | DISCHARGE |
| RIM ELEVATION                              | 209.28                | 209.28        | 209.28    |
| SURFACE LOAD                               | PARKWAY               | OPEN PLANTER  | PARKWAY   |
| FRAME & COVER                              | 24" x 42"             | N/A           | N/A       |
| WETLANDMEDIA VOLUME (CY)                   | 0.98                  |               |           |
| WETLANDMEDIA DELIVERY METHOD               | PER CONTRACT          |               |           |
| ORIFICE SIZE (DIA. INCHES)                 | #0.989"               |               |           |
| NOTES:                                     |                       |               |           |



**INSTALLATION NOTES**

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

**GENERAL NOTES**

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

**INTERNAL BYPASS DISCLOSURE:**

THE DESIGN AND CAPACITY OF THE PEAK CONVEYANCE METHOD TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD. HGL(S) AT PEAK FLOW SHALL BE ASSESSED TO ENSURE NO UPSTREAM FLOODING. PEAK HGL AND BYPASS CAPACITY SHOWN ON DRAWING ARE USED FOR GUIDANCE ONLY.

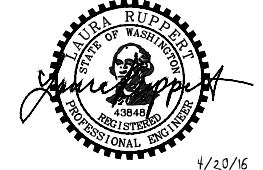
|                                     |       |
|-------------------------------------|-------|
| TREATMENT FLOW (CFS)                | 0.043 |
| OPERATING HEAD (FT)                 | 2.8   |
| PRETREATMENT LOADING RATE (GPM/SF)  | 1.5   |
| WETLAND MEDIA LOADING RATE (GPM/SF) | 1.0   |

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLANDS SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLANDS SYSTEMS IS PROHIBITED.



**MWS-L-4-4-C**  
**STORMWATER BIOFILTRATION SYSTEM**  
**STANDARD DETAIL**



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franke\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



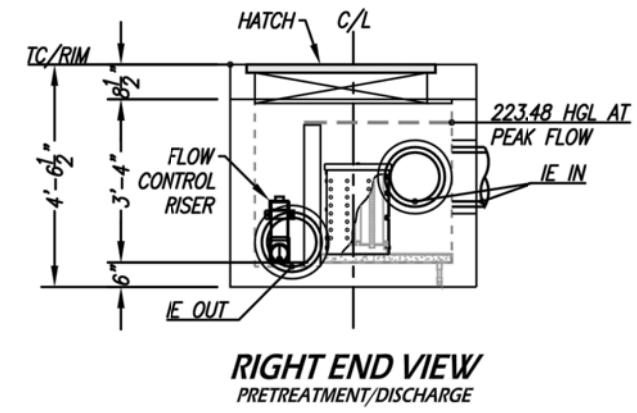
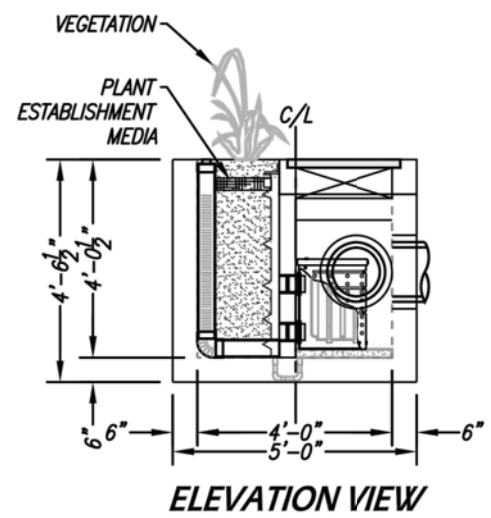
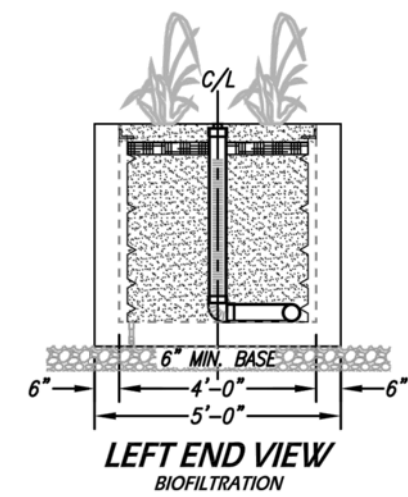
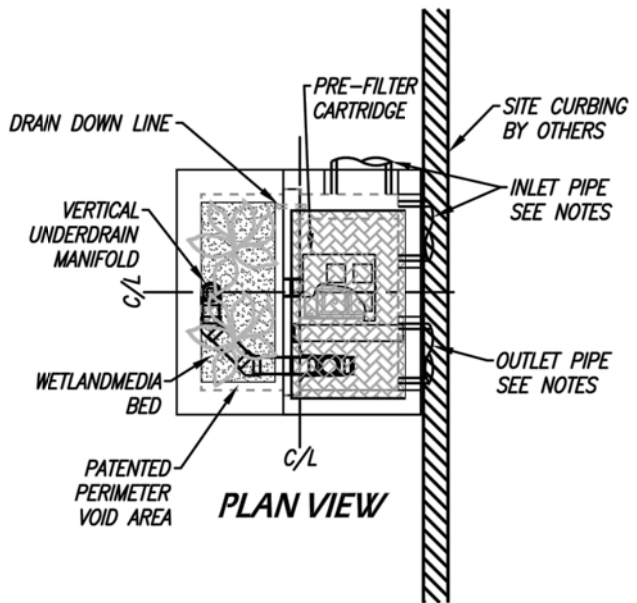
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**MODULAR WETLAND SYSTEM STANDARD DETAIL**

**10-140008**  
OCI PROJECT NO.  
**66** **89**  
SHEET OF

| SITE SPECIFIC DATA                         |                       |               |           |
|--|-----------------------|---------------|-----------|
| PROJECT NUMBER                             | 3310                  |               |           |
| PROJECT NAME                               | INGLEWOOD             |               |           |
| PROJECT LOCATION                           | SAMMAMISH, WASHINGTON |               |           |
| STRUCTURE ID                               | MWS 121               |               |           |
| TREATMENT REQUIRED                         |                       |               |           |
| VOLUME BASED (CF)                          | FLOW BASED (CFS)      |               |           |
|  | 0.0113                |               |           |
| TREATMENT HGL AVAILABLE (FT)               | N/A                   |               |           |
| PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE | 0.059                 |               |           |
| PIPE DATA                                  | I.E.                  | MATERIAL      | DIAMETER  |
| INLET PIPES                                | 221.88                | SCHEDULE A    | 12"       |
| OUTLET PIPE                                | 220.55                | SCHEDULE A    | 12"       |
|  | PRETREATMENT          | BIOFILTRATION | DISCHARGE |
| RIM ELEVATION                              | 224.68                | 224.68        | 224.68    |
| SURFACE LOAD                               | PARKWAY               | OPEN PLANTER  | PARKWAY   |
| FRAME & COVER                              | 24" x 42"             | N/A           | N/A       |
| WETLANDMEDIA VOLUME (CY)                   | 0.98                  |               |           |
| WETLANDMEDIA DELIVERY METHOD               | PER CONTRACT          |               |           |
| ORIFICE SIZE (DIA. INCHES)                 | #0.983"               |               |           |
| NOTES:                                     |                       |               |           |



**INSTALLATION NOTES**

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

**GENERAL NOTES**

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

**INTERNAL BYPASS DISCLOSURE:**

THE DESIGN AND CAPACITY OF THE PEAK CONVEYANCE METHOD TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD. HGL(S) AT PEAK FLOW SHALL BE ASSESSED TO ENSURE NO UPSTREAM FLOODING. PEAK HGL AND BYPASS CAPACITY SHOWN ON DRAWING ARE USED FOR GUIDANCE ONLY.

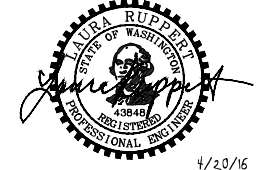
THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLANDS SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLANDS SYSTEMS IS PROHIBITED.



|                                     |       |
|-------------------------------------|-------|
| TREATMENT FLOW (CFS)                | 0.043 |
| OPERATING HEAD (FT)                 | 2.8   |
| PRETREATMENT LOADING RATE (GPM/SF)  | 1.5   |
| WETLAND MEDIA LOADING RATE (GPM/SF) | 1.0   |

**MWS-L-4-4-V**  
STORMWATER BIOFILTRATION SYSTEM  
STANDARD DETAIL



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

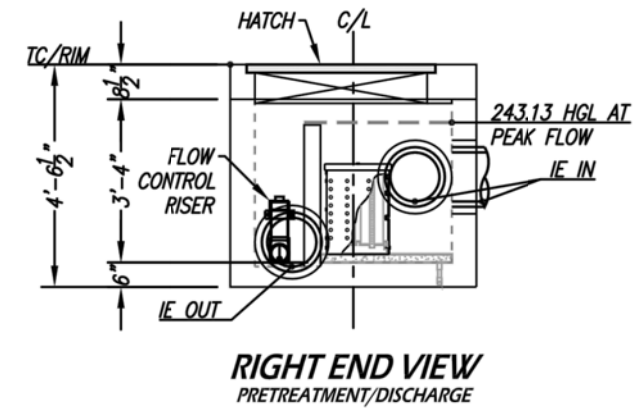
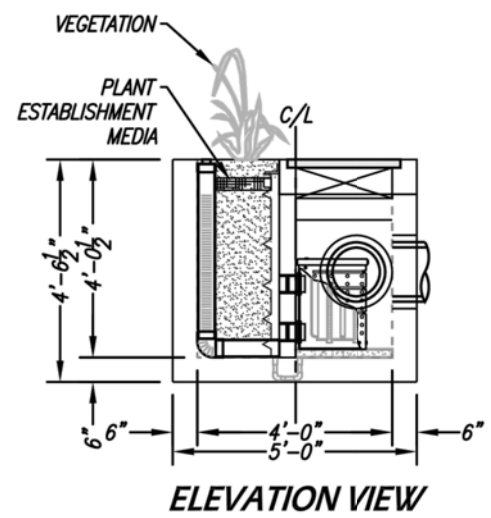
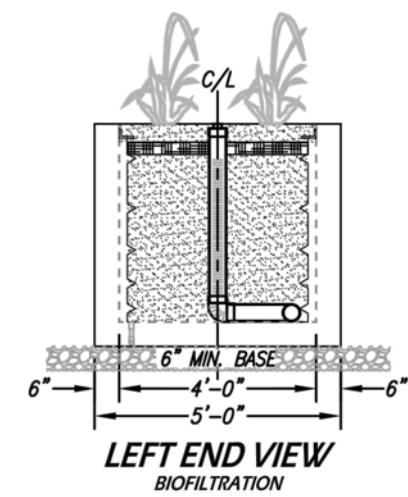
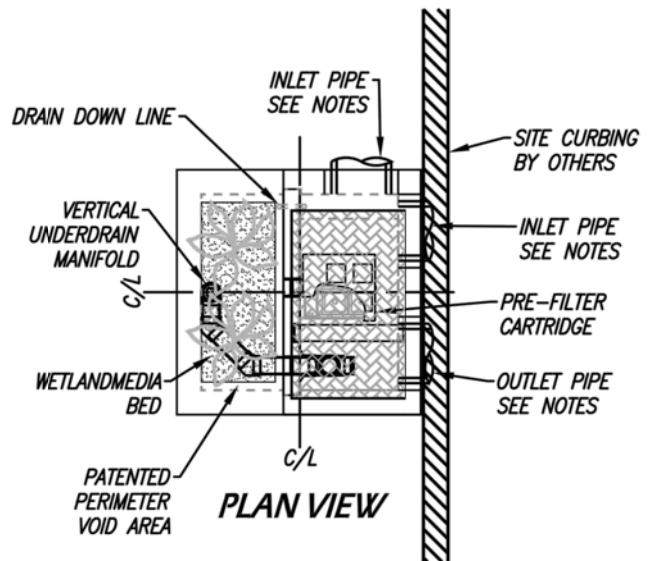
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**MODULAR WETLAND SYSTEM STANDARD DETAIL**

**10-140008**  
OCI PROJECT NO.  
**67** **89**  
SHEET OF



| SITE SPECIFIC DATA                         |                       |               |           |
|--|-----------------------|---------------|-----------|
| PROJECT NUMBER                             | 3310                  |               |           |
| PROJECT NAME                               | INGLEWOOD             |               |           |
| PROJECT LOCATION                           | SAMMAMISH, WASHINGTON |               |           |
| STRUCTURE ID                               | MWS 131               |               |           |
| TREATMENT REQUIRED                         |                       |               |           |
| VOLUME BASED (CF)                          | FLOW BASED (CFS)      |               |           |
|  | 0.0113                |               |           |
| TREATMENT HGL AVAILABLE (FT)               | N/A                   |               |           |
| PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE | 0.059                 |               |           |
| PIPE DATA                                  | I.E.                  | MATERIAL      | DIAMETER  |
| INLET PIPES                                | 241.53                | SCHEDULE A    | 12"       |
| OUTLET PIPE                                | 240.20                | SCHEDULE A    | 12"       |
|  | PRETREATMENT          | BIOFILTRATION | DISCHARGE |
| RIM ELEVATION                              | 244.33                | 244.33        | 244.33    |
| SURFACE LOAD                               | PARKWAY               | OPEN PLANTER  | PARKWAY   |
| FRAME & COVER                              | 24" x 42"             | N/A           | N/A       |
| WETLANDMEDIA VOLUME (CY)                   | 0.98                  |               |           |
| WETLANDMEDIA DELIVERY METHOD               | PER CONTRACT          |               |           |
| ORIFICE SIZE (DIA. INCHES)                 | Ø0.989"               |               |           |
| NOTES:                                     |                       |               |           |



**INSTALLATION NOTES**

- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
- UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
- ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
- CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
- DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

**GENERAL NOTES**

- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

**INTERNAL BYPASS DISCLOSURE:**

THE DESIGN AND CAPACITY OF THE PEAK CONVEYANCE METHOD TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD. HGL(S) AT PEAK FLOW SHALL BE ASSESSED TO ENSURE NO UPSTREAM FLOODING. PEAK HGL AND BYPASS CAPACITY SHOWN ON DRAWING ARE USED FOR GUIDANCE ONLY.

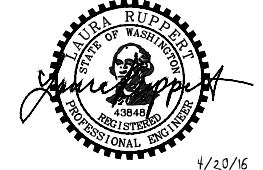
THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLANDS SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLANDS SYSTEMS IS PROHIBITED.



|                                     |       |
|-------------------------------------|-------|
| TREATMENT FLOW (CFS)                | 0.043 |
| OPERATING HEAD (FT)                 | 2.8   |
| PRETREATMENT LOADING RATE (GPM/SF)  | 1.5   |
| WETLAND MEDIA LOADING RATE (GPM/SF) | 1.0   |

**MWS-L-4-4-V**  
STORMWATER BIOFILTRATION SYSTEM  
STANDARD DETAIL



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franke\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg 2/29/16SPV/LAR

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

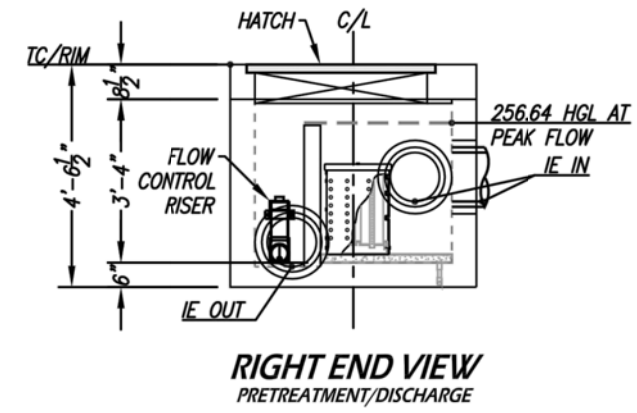
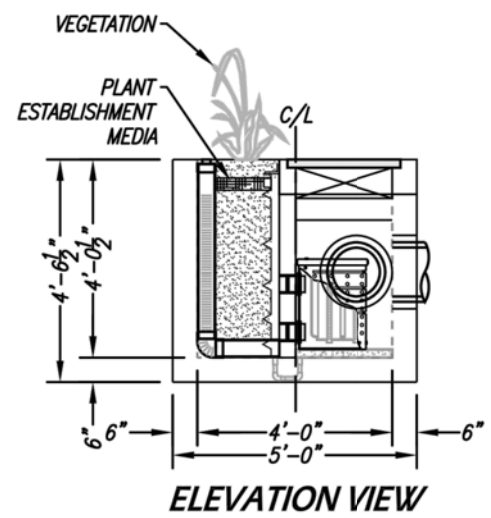
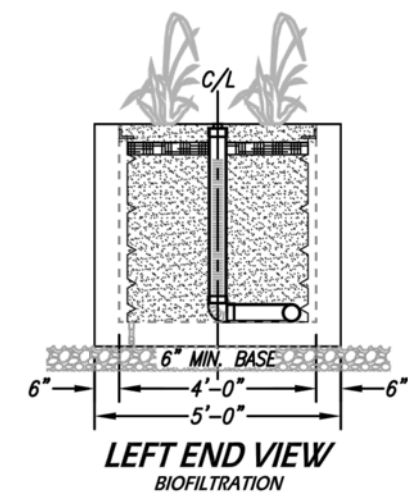
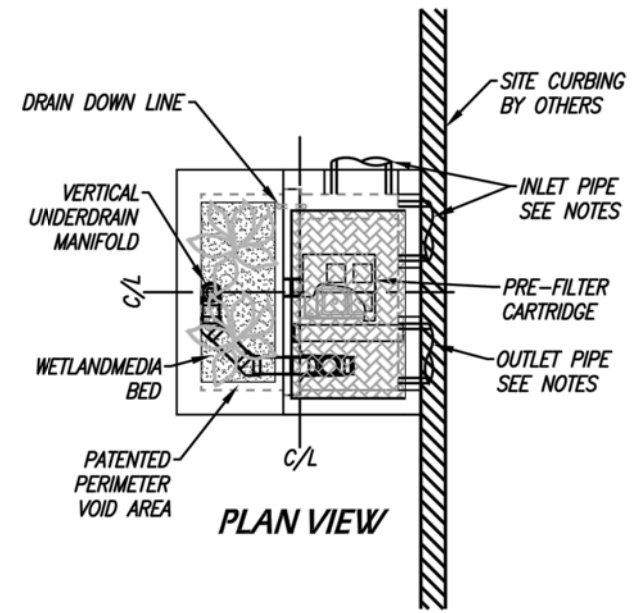
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**MODULAR WETLAND SYSTEM STANDARD DETAIL**

**10-140008**  
OCI PROJECT NO.  
**68** **89**  
SHEET OF



| SITE SPECIFIC DATA                         |                       |               |           |
|--|-----------------------|---------------|-----------|
| PROJECT NUMBER                             | 3310                  |               |           |
| PROJECT NAME                               | INGLEWOOD             |               |           |
| PROJECT LOCATION                           | SAMMAMISH, WASHINGTON |               |           |
| STRUCTURE ID                               | MWS 141               |               |           |
| TREATMENT REQUIRED                         |                       |               |           |
| VOLUME BASED (CF)                          | FLOW BASED (CFS)      |               |           |
|  | 0.0113                |               |           |
| TREATMENT HGL AVAILABLE (FT)               | N/A                   |               |           |
| PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE | 0.059                 |               |           |
| PIPE DATA                                  | I.E.                  | MATERIAL      | DIAMETER  |
| INLET PIPES                                | 255.04                | SCHEDULE A    | 12"       |
| OUTLET PIPE                                | 253.71                | SCHEDULE A    | 12"       |
|  | PRETREATMENT          | BIOFILTRATION | DISCHARGE |
| RIM ELEVATION                              | 257.84                | 257.84        | 257.84    |
| SURFACE LOAD                               | PARKWAY               | OPEN PLANTER  | PARKWAY   |
| FRAME & COVER                              | 24" x 42"             | N/A           | N/A       |
| WETLANDMEDIA VOLUME (CY)                   | 0.98                  |               |           |
| WETLANDMEDIA DELIVERY METHOD               | PER CONTRACT          |               |           |
| ORIFICE SIZE (DIA. INCHES)                 | #0.989"               |               |           |
| NOTES:                                     |                       |               |           |



**INSTALLATION NOTES**

- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
- UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
- ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
- CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
- DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.

**GENERAL NOTES**

- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.

**INTERNAL BYPASS DISCLOSURE:**

THE DESIGN AND CAPACITY OF THE PEAK CONVEYANCE METHOD TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD. HGL(S) AT PEAK FLOW SHALL BE ASSESSED TO ENSURE NO UPSTREAM FLOODING. PEAK HGL AND BYPASS CAPACITY SHOWN ON DRAWING ARE USED FOR GUIDANCE ONLY.

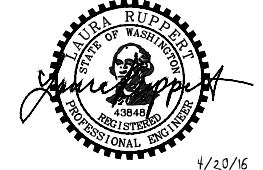
|                                     |       |
|-------------------------------------|-------|
| TREATMENT FLOW (CFS)                | 0.043 |
| OPERATING HEAD (FT)                 | 2.8   |
| PRETREATMENT LOADING RATE (GPM/SF)  | 1.5   |
| WETLAND MEDIA LOADING RATE (GPM/SF) | 1.0   |

THE PRODUCT DESCRIBED MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 7,425,262; 7,470,362; 7,674,378; 8,303,816; RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING

PROPRIETARY AND CONFIDENTIAL:  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLANDS SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLANDS SYSTEMS IS PROHIBITED.



**MWS-L-4-4-V**  
**STORMWATER BIOFILTRATION SYSTEM**  
**STANDARD DETAIL**



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Travis Franke\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg 2/29/16ASCP/AR

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



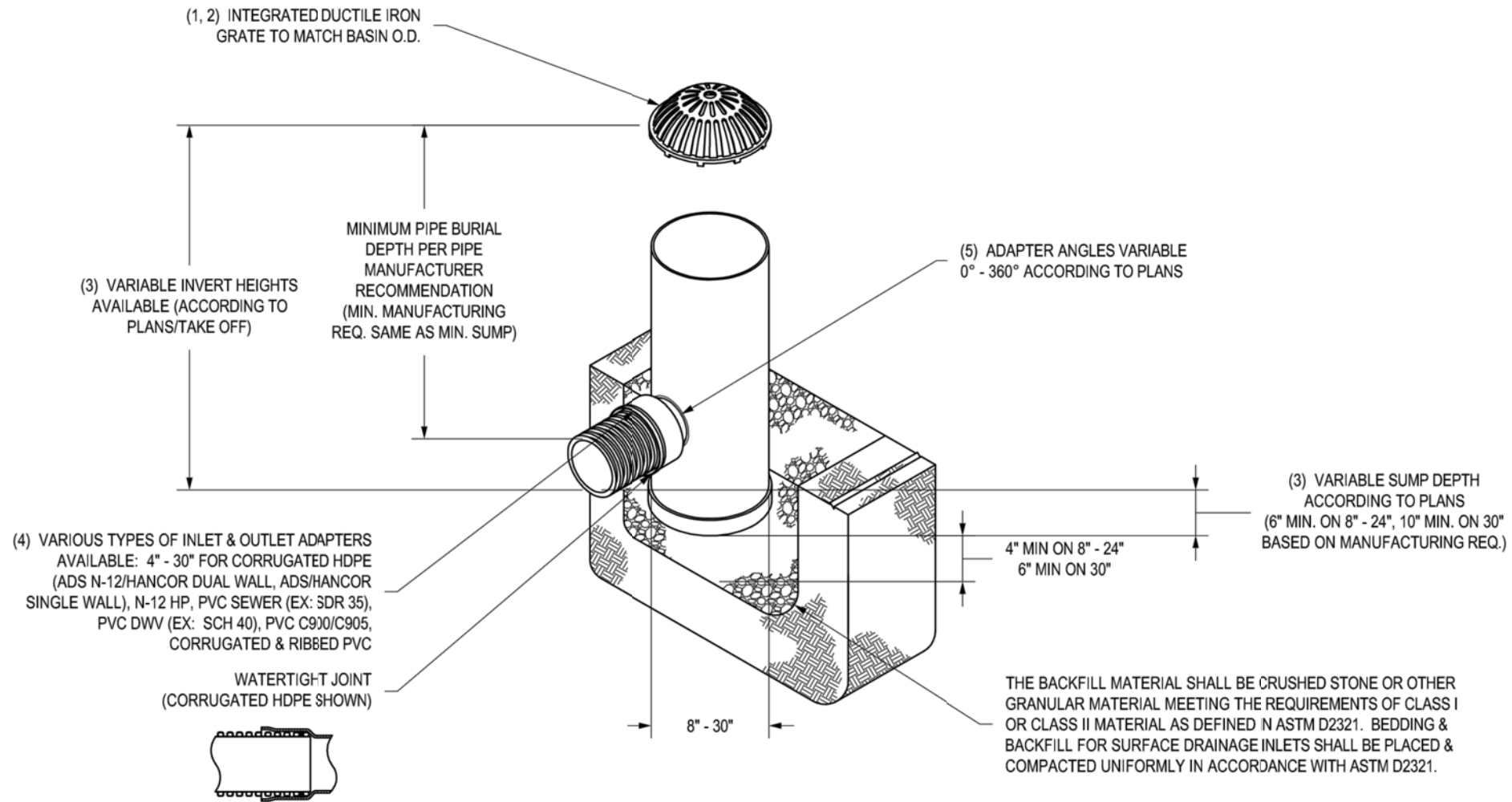
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**MODULAR WETLAND SYSTEM STANDARD DETAIL**

**10-140008**  
OCI PROJECT NO.  
**69** **89**  
SHEET OF

# NYLOPLAST DRAIN BASIN WITH DOME GRATE



- 1 - 8" - 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 2 - 8" & 10" DOME GRATES FIT ONTO THE DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
- 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
- 4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").
- 5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
- 6 - 8" - 30" DOME GRATES HAVE NO LOAD RATING.

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

©2013 NYLOPLAST

|            |          |                         |   |
|------------|----------|-------------------------|---|
| DRAWN BY   | EBC      | MATERIAL                | <br>3130 VERONA AVE<br>BUFORD, GA 30518<br>PHN (770) 932-2443<br>FAX (770) 932-2490<br>www.nyloplast-us.com |
| DATE       | 03-25-10 |                         |   |
| REVISED BY | CCA      | PROJECT NO./NAME        | TITLE   |
| DATE       | 09-05-13 |                         | DRAIN BASIN WITH DOME GRATE<br>QUICK SPEC INSTALLATION DETAIL   |
| DWG SIZE   | A        | SCALE 1:40 SHEET 1 OF 1 | DWG NO. 7001-110-397 REV C  |

USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_SDET.dwg  
 PLOTTING DATE: 4/20/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND  
 NON-MOTORIZED IMPROVEMENTS**  
**NYLOPLAST DRAIN BASIN STANDARD  
 DETAIL**

**10-140008**  
 OCI PROJECT NO.  
**70 89**  
 SHEET OF

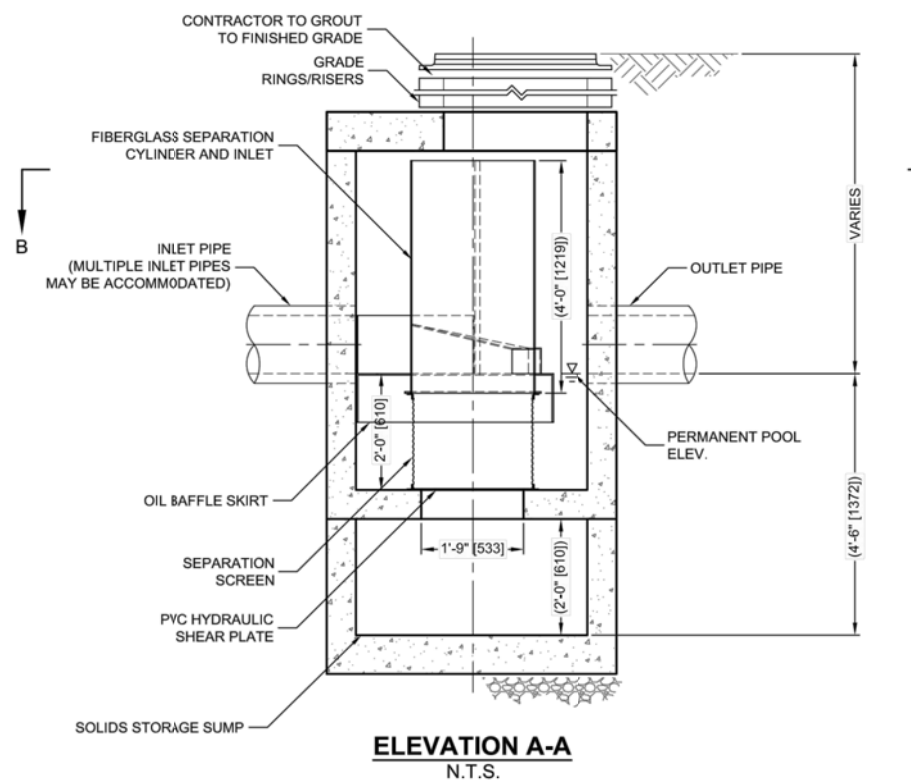
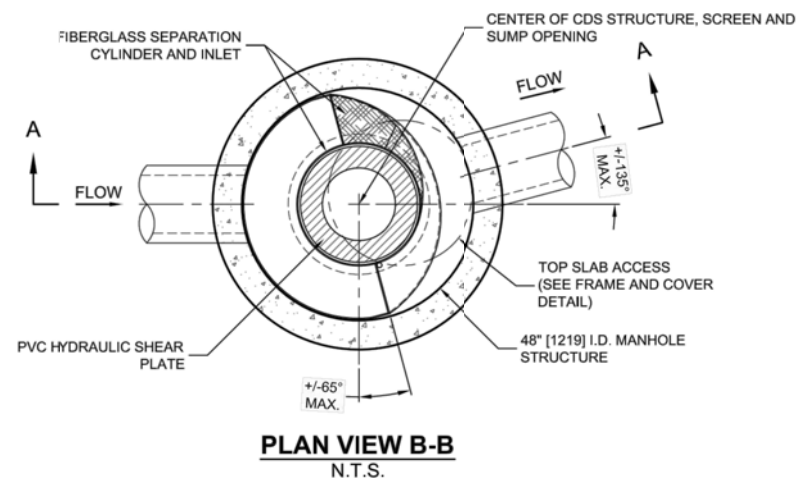


4/20/16

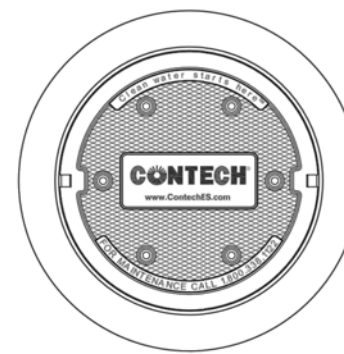
SCALE BARS INDICATE SCALE OF FULL-SIZE (22 X 34 INCH) DRAWINGS. FOR REDUCED SIZE DRAWINGS ADJUST SCALE ACCORDINGLY.



I:\STORMWATER\COMPOSP922 CDS\40 STANDARD DRAWINGS\INLINE (CDS-C)\DWG\CDS2015-4-C-DTL.DWG 5/13/2014 5:52 PM



| CDS2015-4-C DESIGN NOTES  |  |
|---|--|
| CDS2015-4-C RATED TREATMENT CAPACITY IS 0.7 CFS [19.8 L/s], OR PER LOCAL REGULATIONS. MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY IS 10.0 CFS [283 L/s]. IF THE SITE CONDITIONS EXCEED 10.0 [283 L/s] CFS, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED. |  |
| THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.  |  |
| CONFIGURATION DESCRIPTION   |  |
| GRATED INLET ONLY (NO INLET PIPE)   |  |
| GRATED INLET WITH INLET PIPE OR PIPES   |  |
| CURB INLET ONLY (NO INLET PIPE)   |  |
| CURB INLET WITH INLET PIPE OR PIPES   |  |
| SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)   |  |
| SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS  |  |
| PIPE INLET ONLY WITH SOLID COVER  |  |



| SITE SPECIFIC DATA REQUIREMENTS      |                        |
|--------------------------------------|------------------------|
| STRUCTURE ID                         | CB400                  |
| WATER QUALITY FLOW RATE (CFS OR L/s) | 0.24                   |
| PEAK FLOW RATE (CFS OR L/s)          | 0.24                   |
| RETURN PERIOD OF PEAK FLOW (YRS)     | WQ                     |
| SCREEN APERTURE (2400 OR 4700)       | *                      |
| PIPE DATA:                           | I.E. MATERIAL DIAMETER |
| INLET PPE 1                          | 252.11 PVC 12-IN       |
| INLET PPE 2                          | * * *                  |
| OUTLET PIPE                          | 252.11 PVC 12-IN       |
| RIM ELEVATION                        | 268.36                 |
| ANTI-FLOTATION BALLAST               | WIDTH HEIGHT           |
|                                      | * *                    |
| NOTES/SPECIAL REQUIREMENTS:          |                        |
| * PER ENGINEER OF RECORD             |                        |

- GENERAL NOTES**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
  - FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.ContechES.com](http://www.ContechES.com)
  - CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
  - STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
  - PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
  - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
  - CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
  - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

|  |  |
|--|--|
| <br>www.ContechES.com<br>9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069<br>800-338-1122 513-645-7000 513-645-7993 FAX | CDS2015-4-C<br>INLINE CDS<br>STANDARD DETAIL |
|--|--|



4/20/16

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

PLOT DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDET.dwg

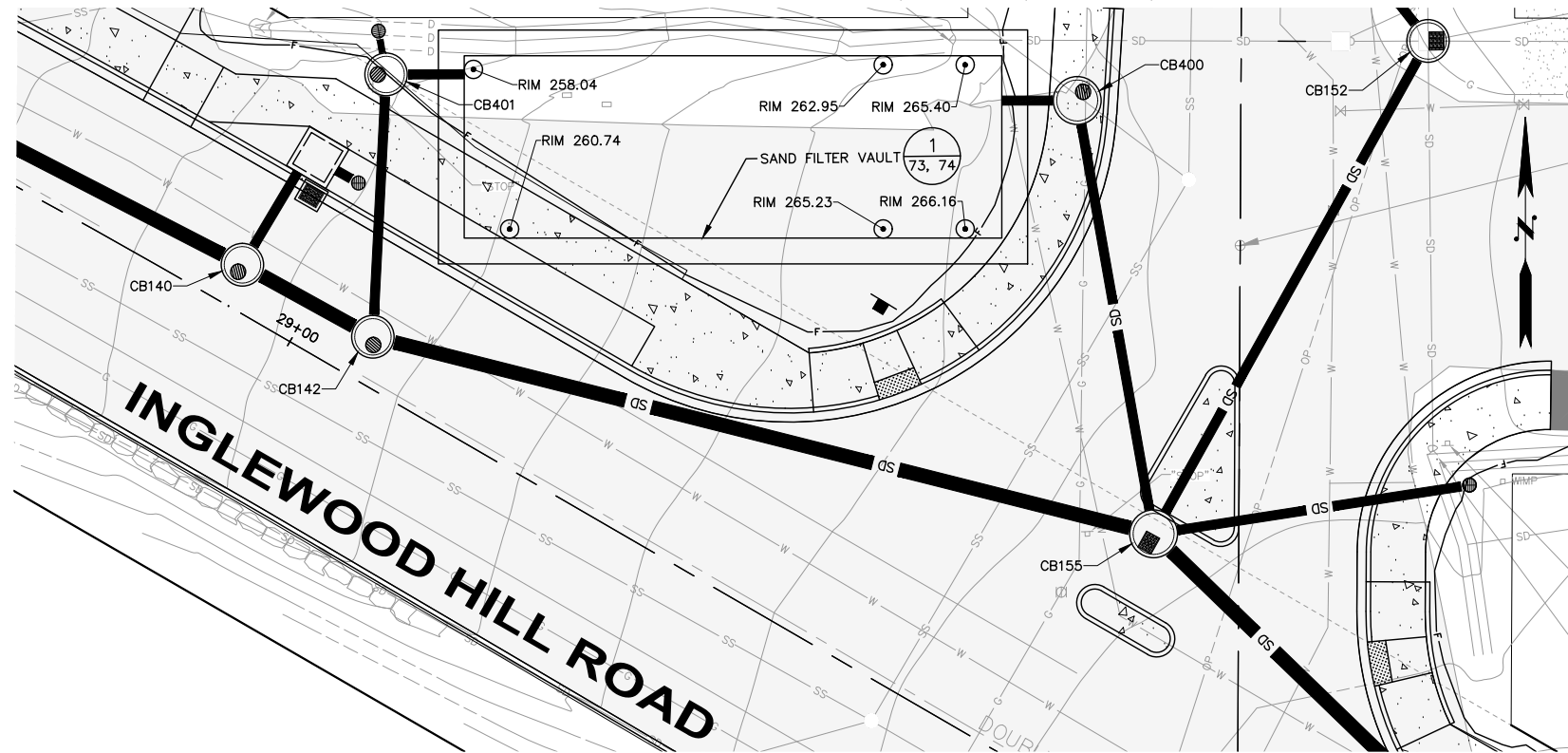
| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



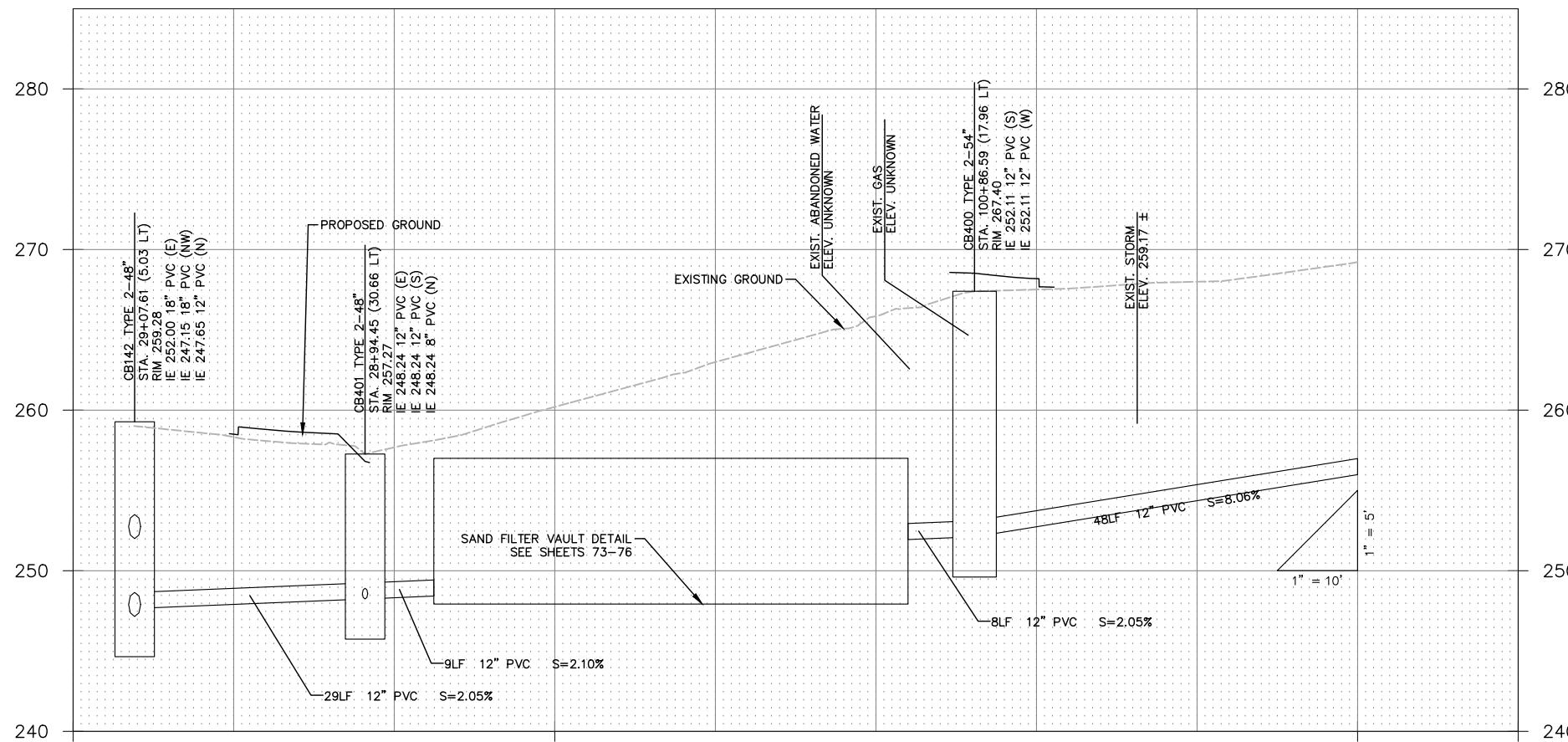
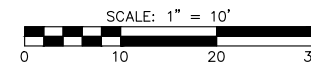
|  |   |
|--|---|
|  | OSBORN CONSULTING, INC.<br>1800 112th Ave. NE, Suite 220E Ph (425) 451-4009<br>Bellevue, WA. 98004 Fax (425) 451-4901 |
|--|---|

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

|  |   |
|--|---|
| <b>INGLEWOOD HILL STORMWATER AND<br/>NON-MOTORIZED IMPROVEMENTS</b><br><br>INLINE CDS DETAIL | <b>10-14008</b><br>OCI PROJECT NO.<br><br>71 89<br>SHEET OF |
|--|---|



NOTE:  
RESTORE DISTURBED AREAS WITH  
18-IN DEEP TOPSOIL COVERED  
WITH 2-IN WOOD CHIP MULCH.



Know what's below.  
Call before you dig.



4/20/16

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

PLOT DATE: 4/20/2016 USER: Travis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDET.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

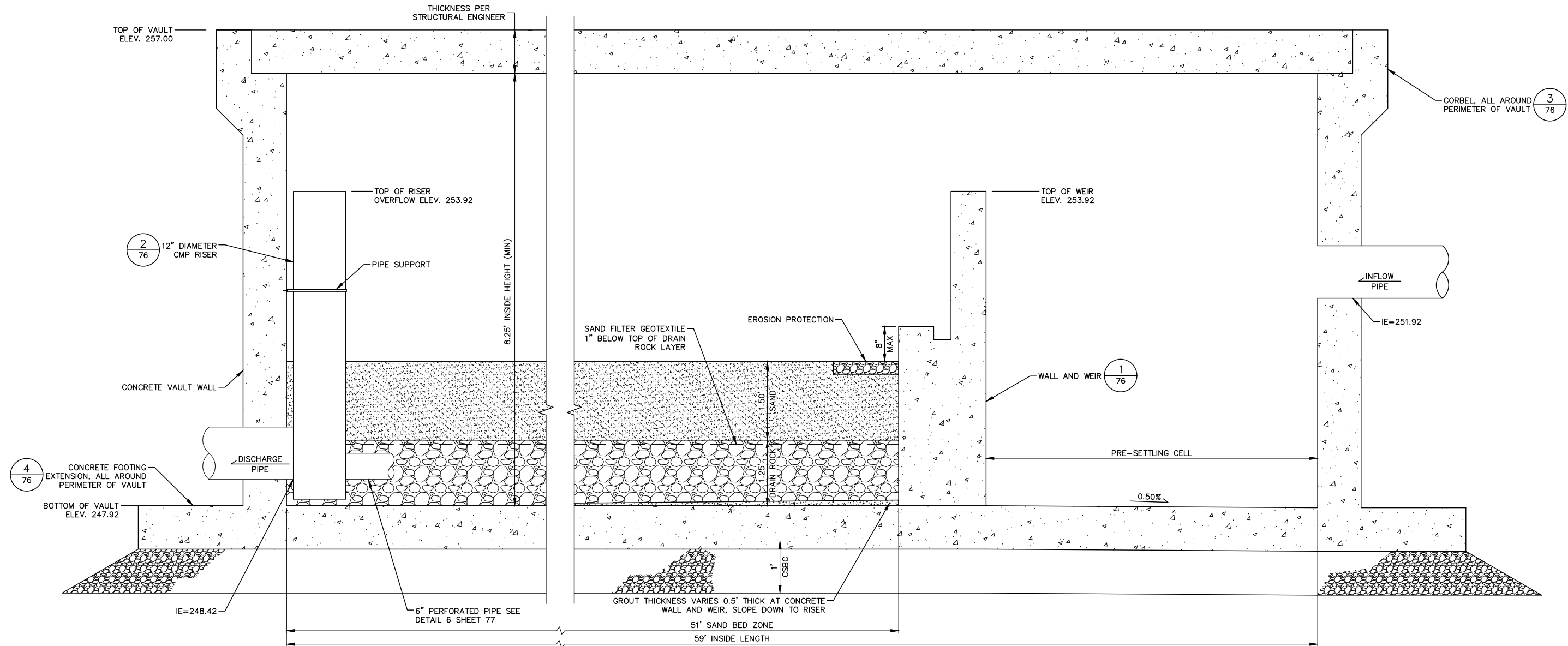
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND  
NON-MOTORIZED IMPROVEMENTS**  
**STORM DRAINAGE DETAILS**  
**SAND FILTER VAULT PLAN AND PROFILE**

**10-140008**  
OCI PROJECT NO.  
**72** **89**  
SHEET OF



PLOTTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_SDET.dwg



**ELEVATION**

**1 SAND FILTER VAULT**  
N.T.S.



4/20/16

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

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

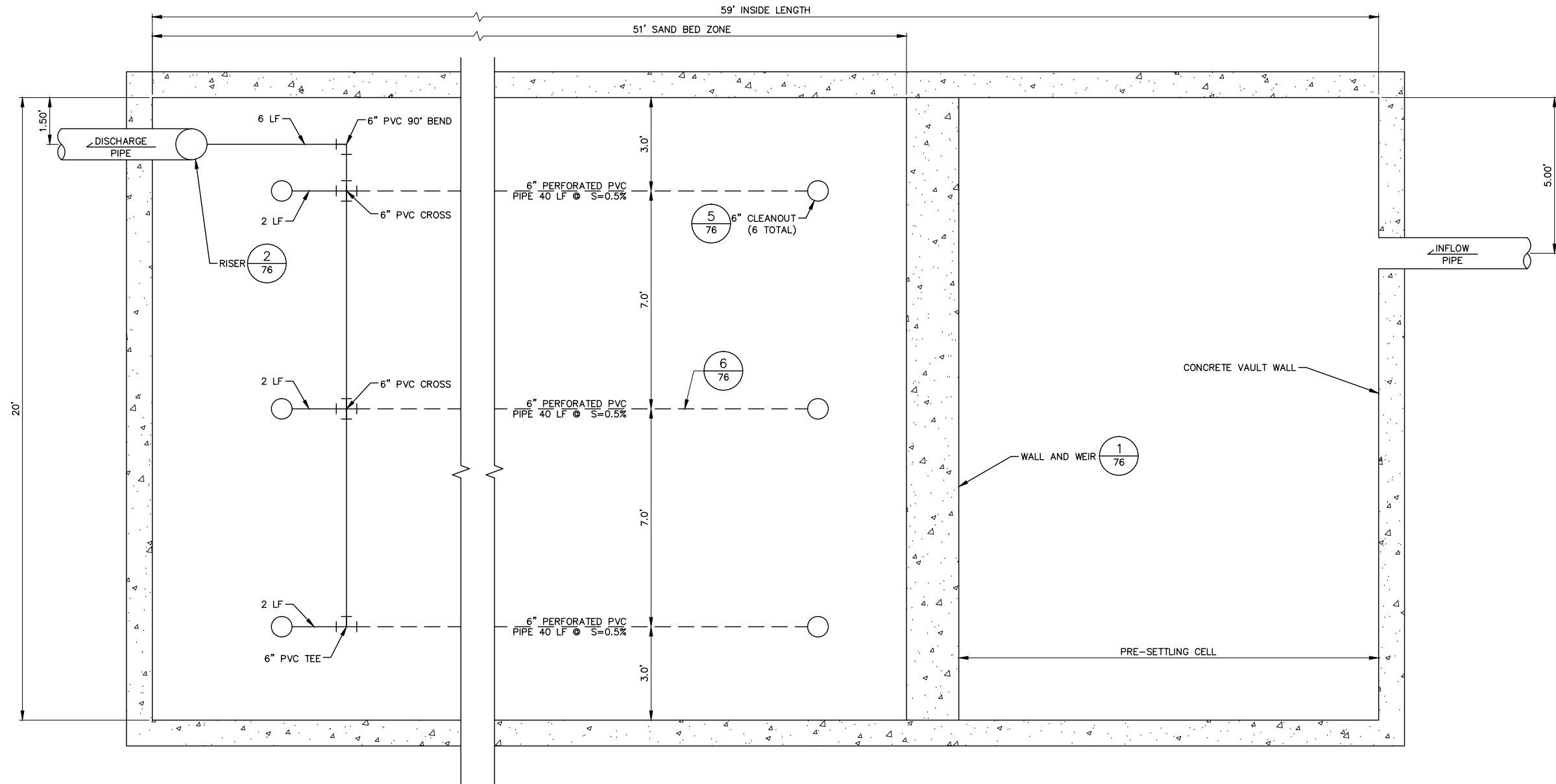
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**

**SAND FILTER VAULT DETAIL**

**10-14008**  
OCI PROJECT NO.

**73** **89**  
SHEET OF

PLOTTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDET.dwg



**PLAN**

**1 SAND FILTER VAULT**  
N.T.S.



4/20/16

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

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

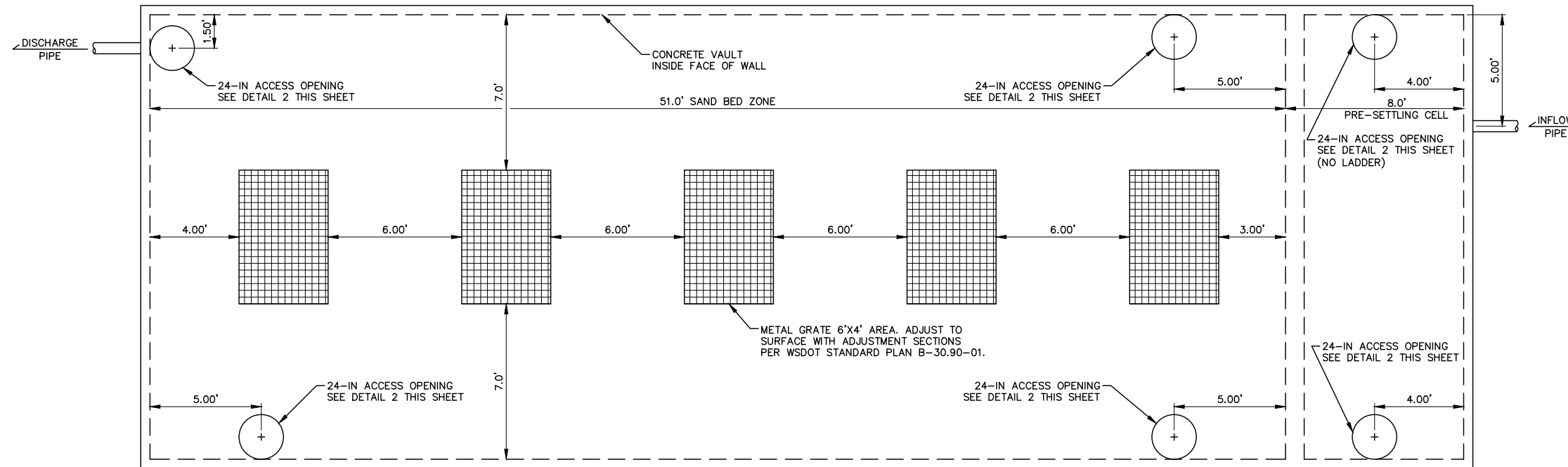
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**

**SAND FILTER VAULT DETAIL**

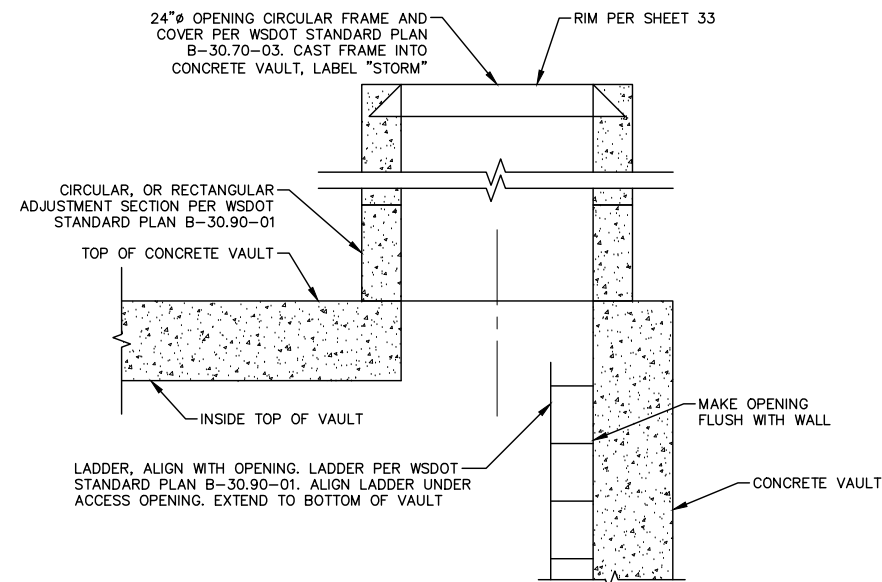
**10-140008**  
OCI PROJECT NO.

**74 89**  
SHEET OF





1 SAND FILTER VAULT - ROOF PLAN  
N.T.S.



2 24" ACCESS OPENING  
N.T.S.



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

PLOT DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDET.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

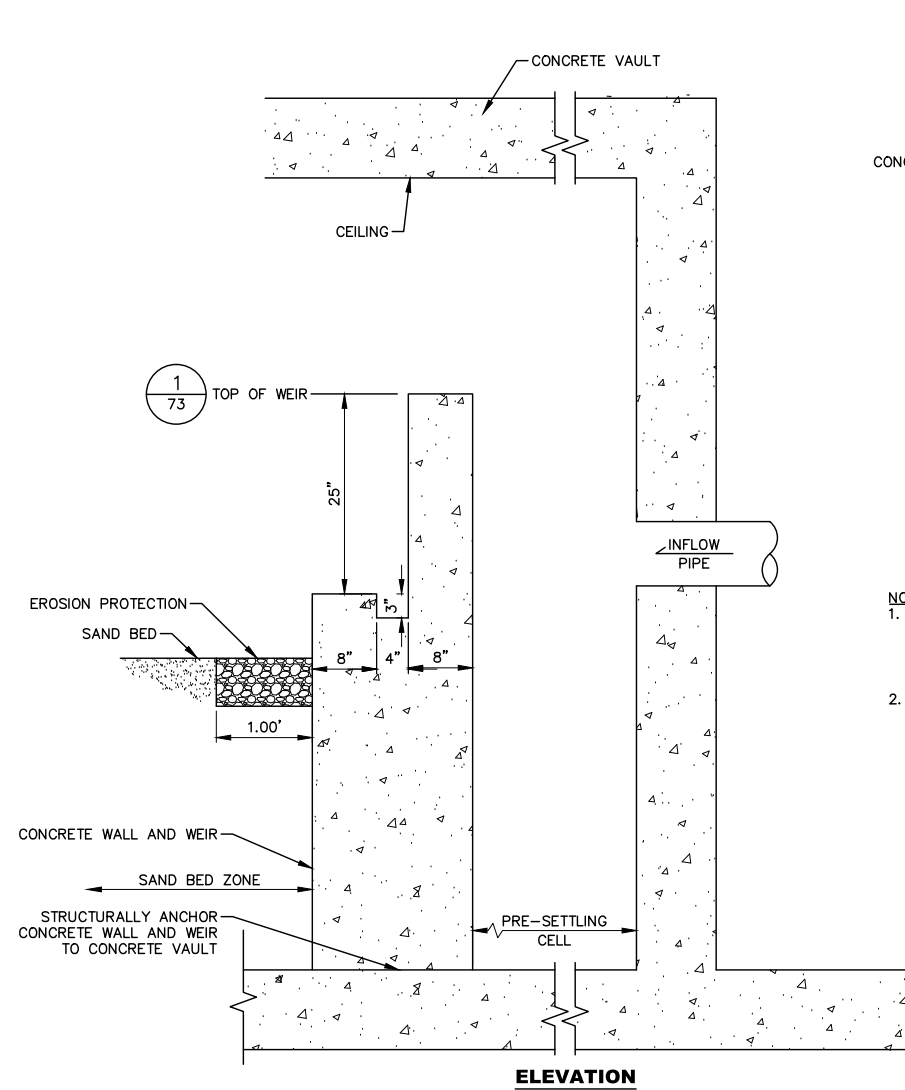
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**

**SAND FILTER VAULT DETAIL**

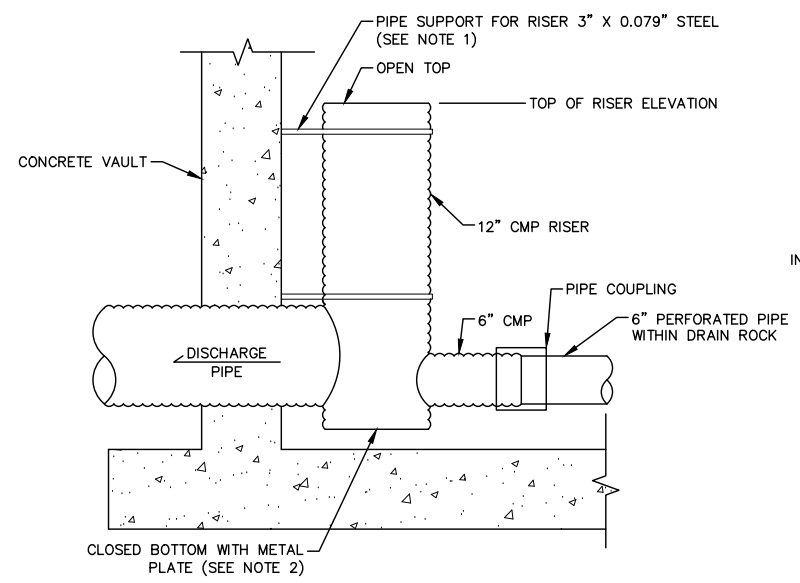
**10-140008**  
OCI PROJECT NO.

**75** **89**  
SHEET OF

PLOTTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDET.dwg

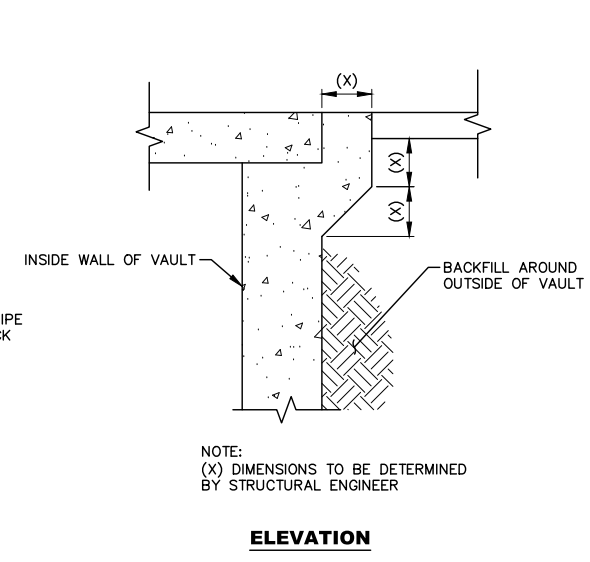


**1 CONCRETE WALL AND WEIR**  
N.T.S.

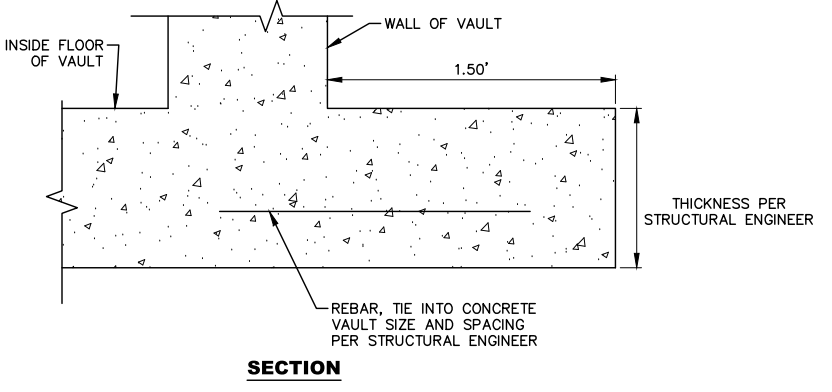


**2 SAND FILTER VAULT RISER**  
N.T.S.

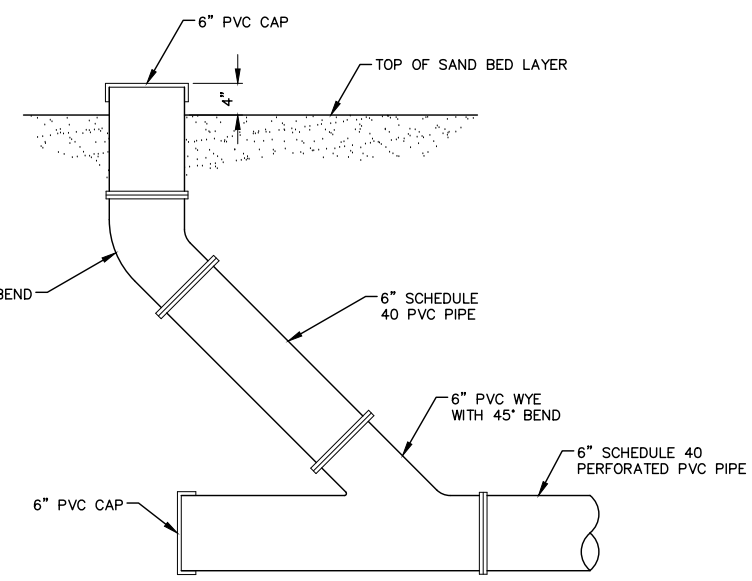
**NOTES:**  
 1. THE PIPE SUPPORTS AND THE FLOW RESTRICTOR SHALL BE CONSTRUCTED OF THE SAME MATERIAL AND BE ANCHORED AT A MAXIMUM OF 36" O.C. VERTICAL SPACING. ATTACH THE PIPE SUPPORTS TO THE CONCRETE VAULT WITH 5/8" STAINLESS STEEL EXPANSION BOLTS OR EMBED THE SUPPORTS INTO THE WALL FOR 2".  
 2. THE BOTTOM OF THE RISER SHALL BE ENCLOSED WITH A STEEL PLATE WELDED TO THE PERIMETER OF THE RISER PIPE; WITH A WATERTIGHT CONTINUOUS WELD.



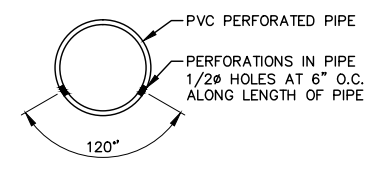
**3 SAND FILTER VAULT CORBEL**  
N.T.S.



**4 CONCRETE FOOTING EXTENSION**  
N.T.S.



**5 CLEANOUT**  
N.T.S.



**6 PERFORATED PIPE**  
N.T.S.



4/20/16

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

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

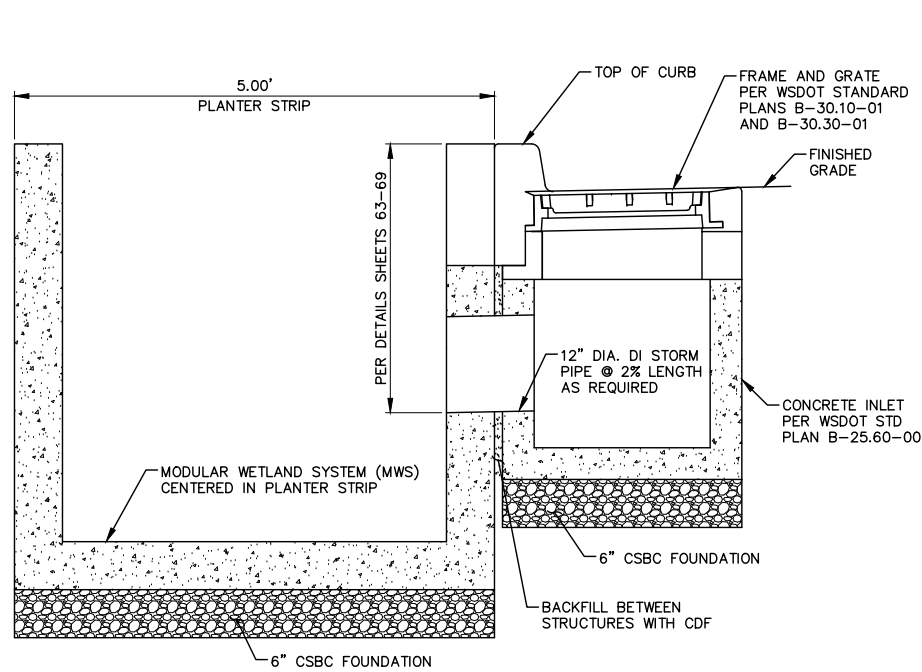


**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

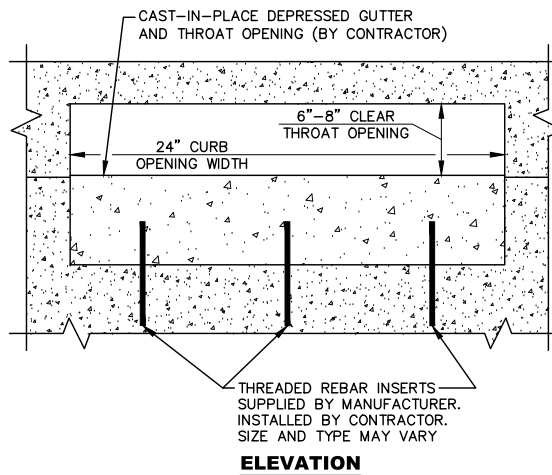
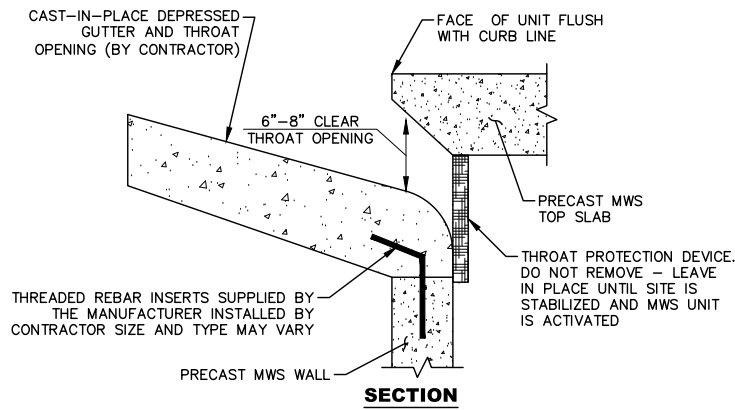
DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**SAND FILTER VAULT DETAILS**

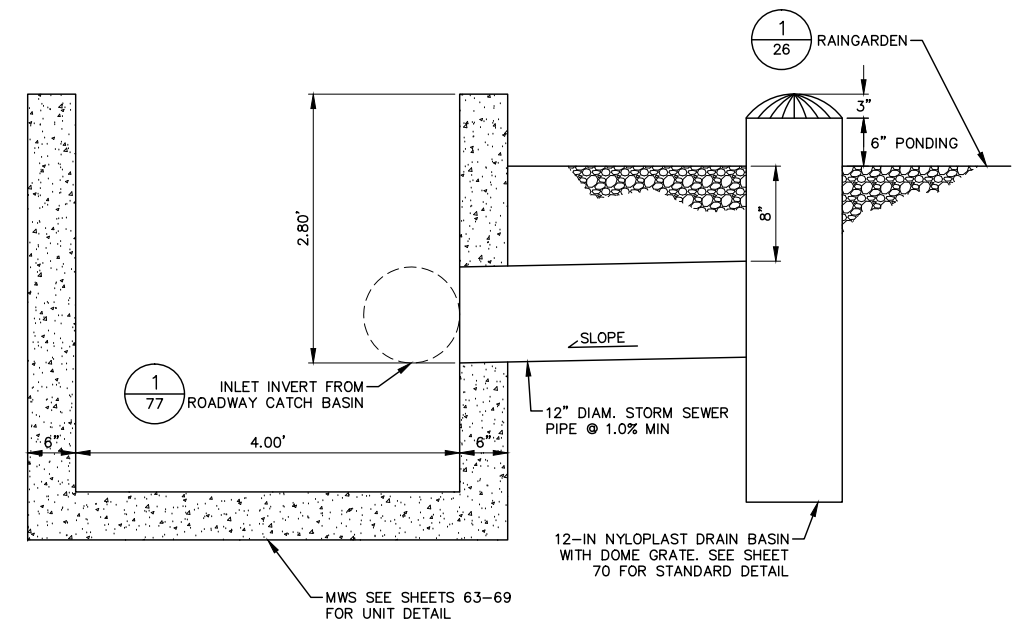
**10-14008**  
 OCI PROJECT NO.  
**76 89**  
 SHEET OF



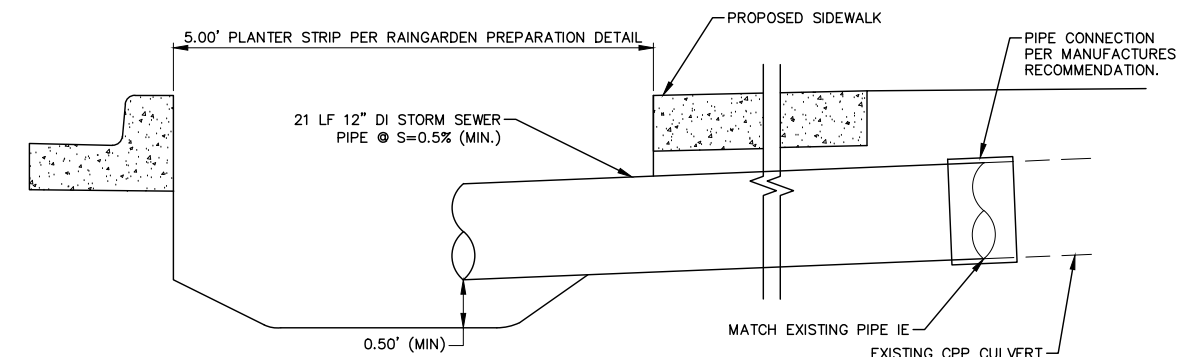
**MWS81 MWS101 MWS121 MWS131 MWS141**  
**MODULAR WETLAND SYSTEM AND CATCH**  
**BASIN CONNECTION STANDARD DETAIL**  
 N.T.S.



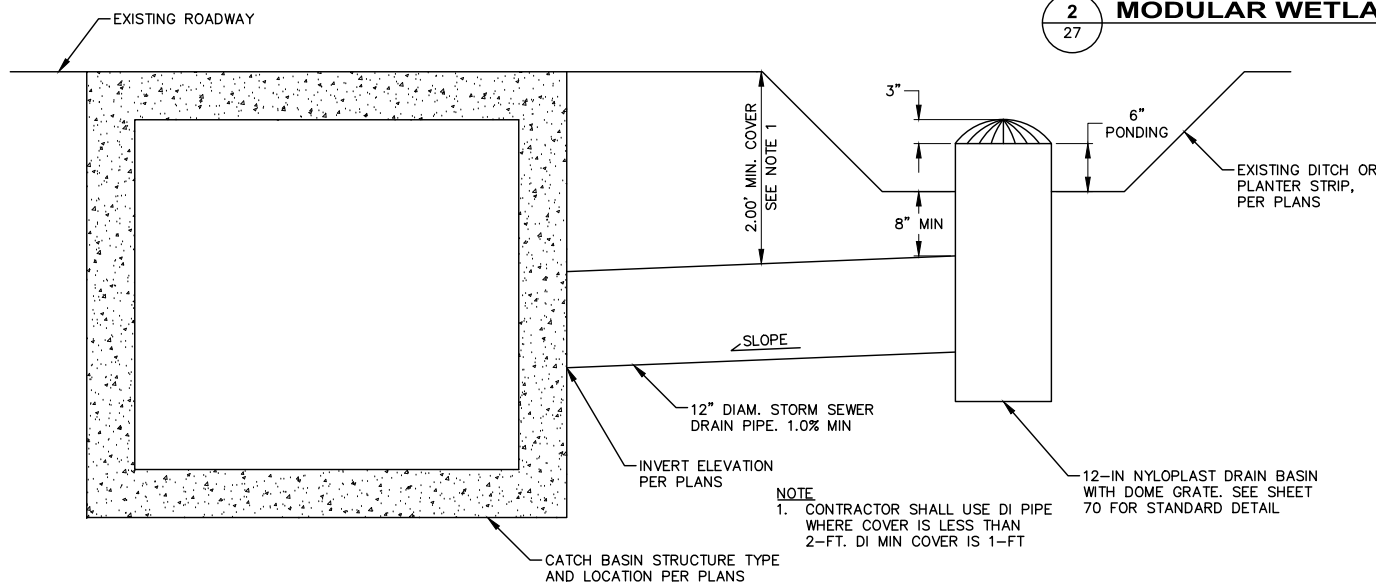
**MWS106 MWS111**  
**MODULAR WETLAND SYSTEM CURB INLET**  
 N.T.S.



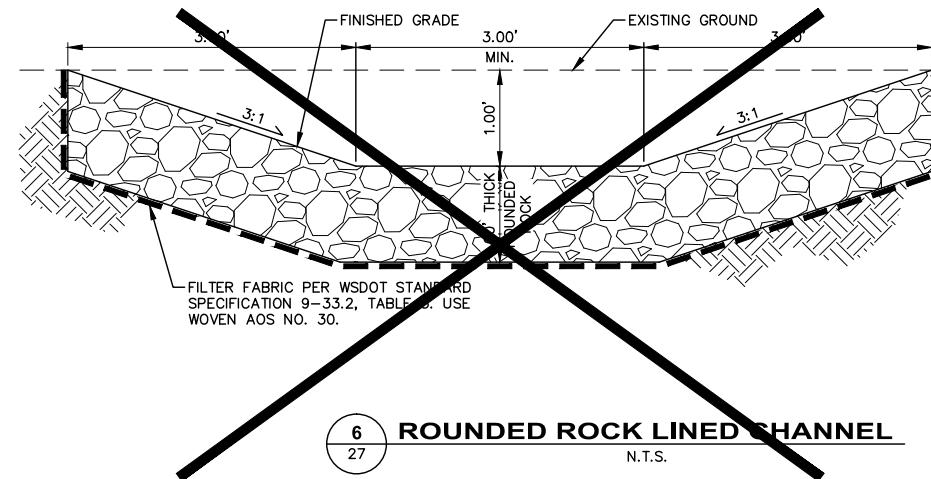
**NYLOPLAST DRAIN BASIN**  
**CONNECTION TO MWS UNIT**  
 N.T.S.



**EXISTING CULVERT EXTENSION DETAIL**  
 N.T.S.



**NYLOPLAST DRAIN BASIN CONNECTION**  
**TO CATCH BASIN STRUCTURE**  
 N.T.S.



**ROUNDED ROCK LINED CHANNEL**  
 N.T.S.

NOTE:  
 ROCK LINED CHANNEL SHALL BE 1 FT THICK.  
 GRADATION AS FOLLOWS (% BY WEIGHT):  
 PASSING 12" SQUARE SIEVE: 100%  
 PASSING 8" SQUARE SIEVE: 85% - 100%  
 PASSING 3" SQUARE SIEVE: 40% - 60% MAX  
 PASSING 3/4" SQUARE SIEVE: 0% - 10% MAX



4/20/16

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

USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg  
 PLOTTING DATE: 4/20/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



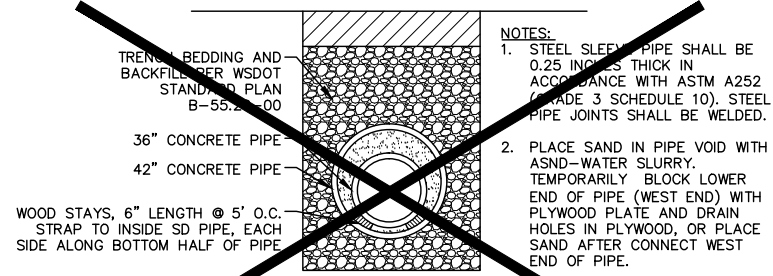
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

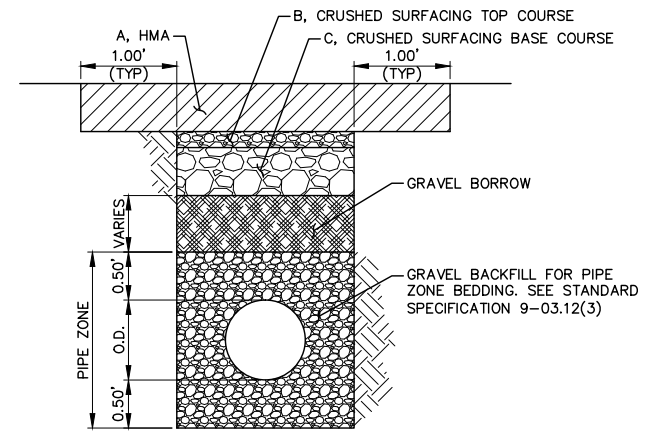
**INGLEWOOD HILL STORMWATER AND**  
**NON-MOTORIZED IMPROVEMENTS**  
**STORM DRAIN DETAILS**

**10-140008**  
 OCI PROJECT NO.  
**77 89**  
 SHEET OF





**1 STEEL SLEEVE AND PIPE TRENCH**  
N.T.S.

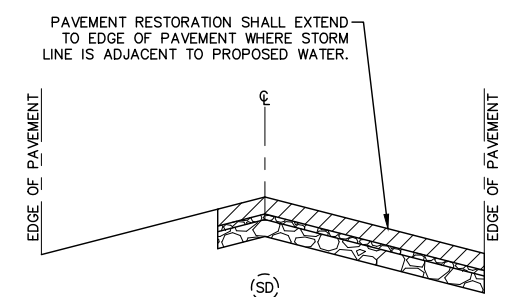


**TRENCH RESTORATION LIMITS AND DEPTHS**

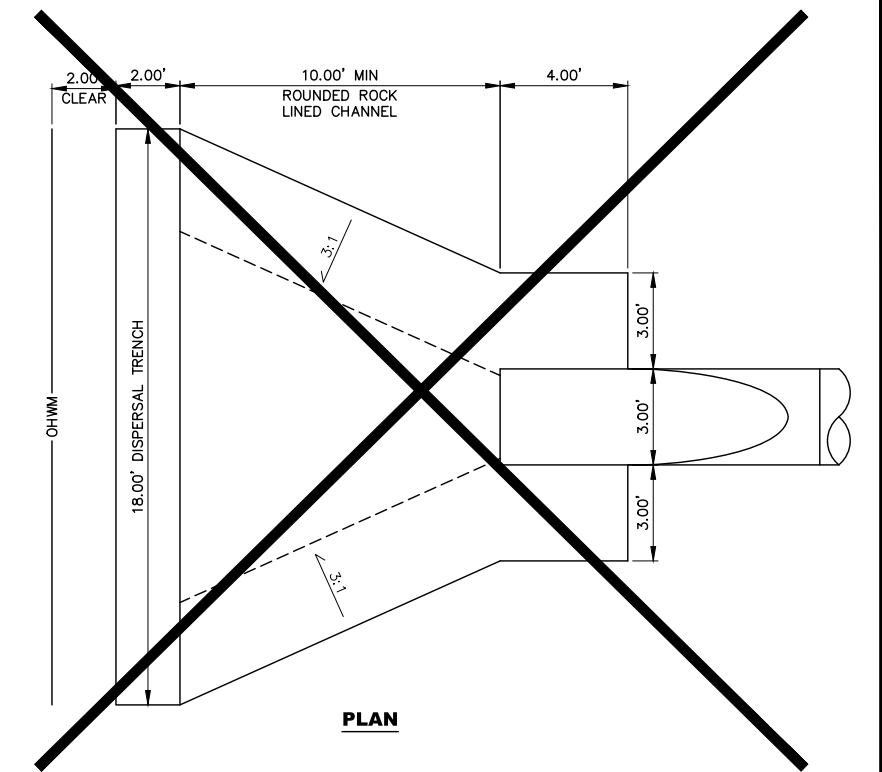
| LOCATION                | BEGIN STATION | END STATION | A                                     | B    | C    |
|-------------------------|---------------|-------------|---------------------------------------|------|------|
| NE INGLEWOOD HILL ROAD  | 15+00         | 42+54.00    | 6-IN                                  | 2-IN | 5-IN |
| 208TH AVE NE/NE 15TH ST | 100+41.48     | 107+34.90   | 4-IN HMA OR MATCH EXISTING UP TO 6-IN | 2-IN | 4-IN |
| 210TH AVE NE            | 200+32.86     | 207+17.88   | 4-IN HMA OR MATCH EXISTING UP TO 6-IN | 2-IN | 4-IN |
| 211TH AVE NE            | 300+20.58     | 306+00.00   | 4-IN HMA OR MATCH EXISTING UP TO 6-IN | 2-IN | 4-IN |
| 211TH PL NE             | 400+50.63     | 407+63.92   | 4-IN HMA OR MATCH EXISTING UP TO 6-IN | 2-IN | 4-IN |

(REFER TO 211TH PL NE TRENCH RESTORATION DETAIL THIS SHEET FOR HORIZONTAL EXTENTS)

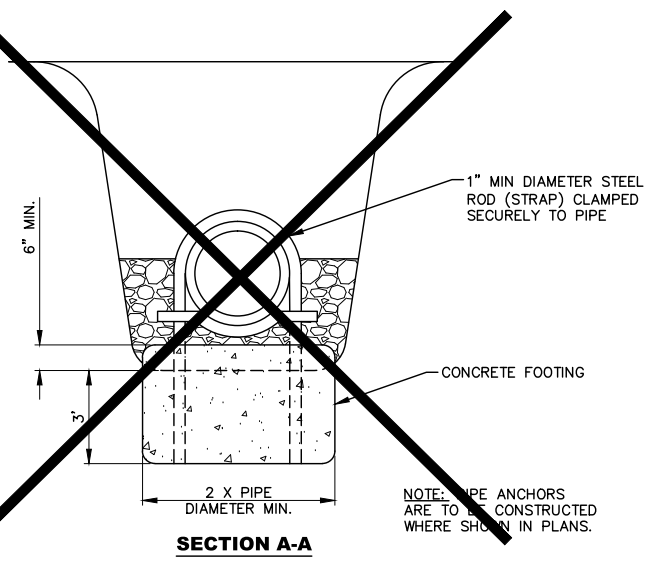
**4 TRENCH RESTORATION**  
N.T.S.



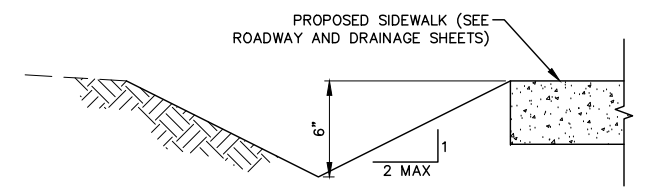
**6 211TH PL NE PAVEMENT RESTORATION EXTENTS**  
N.T.S.



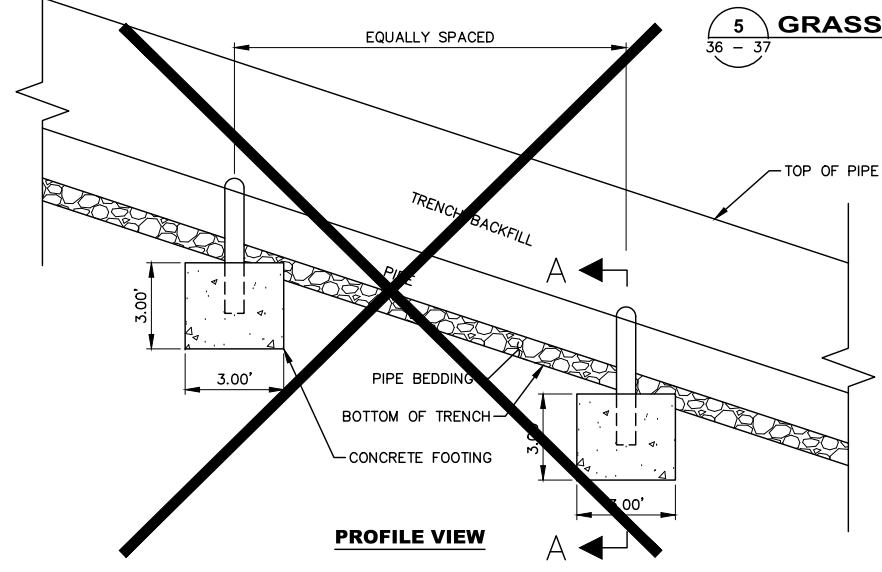
**PLAN**



**SECTION A-A**

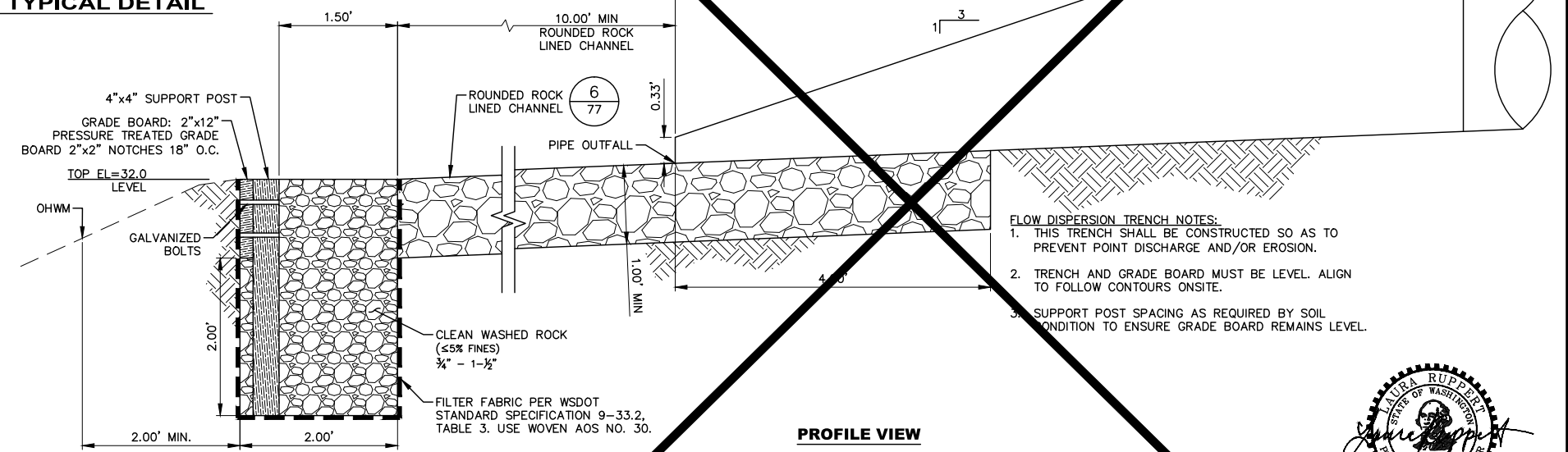


**5 GRASS-LINED V-DITCH TYPICAL DETAIL**  
N.T.S.



**PROFILE VIEW**

**PIPE ANCHOR**  
N.T.S.



**PROFILE VIEW**

**FLOW DISPERSAL TRENCH AND STORM OUTFALL**  
N.T.S.

- FLOW DISPERSION TRENCH NOTES:**
1. THIS TRENCH SHALL BE CONSTRUCTED SO AS TO PREVENT POINT DISCHARGE AND/OR EROSION.
  2. TRENCH AND GRADE BOARD MUST BE LEVEL. ALIGN TO FOLLOW CONTOURS ONSITE.
  3. SUPPORT POST SPACING AS REQUIRED BY SOIL CONDITION TO ENSURE GRADE BOARD REMAINS LEVEL.



4/20/16

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

PLOTING DATE: 4/20/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SDDT.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



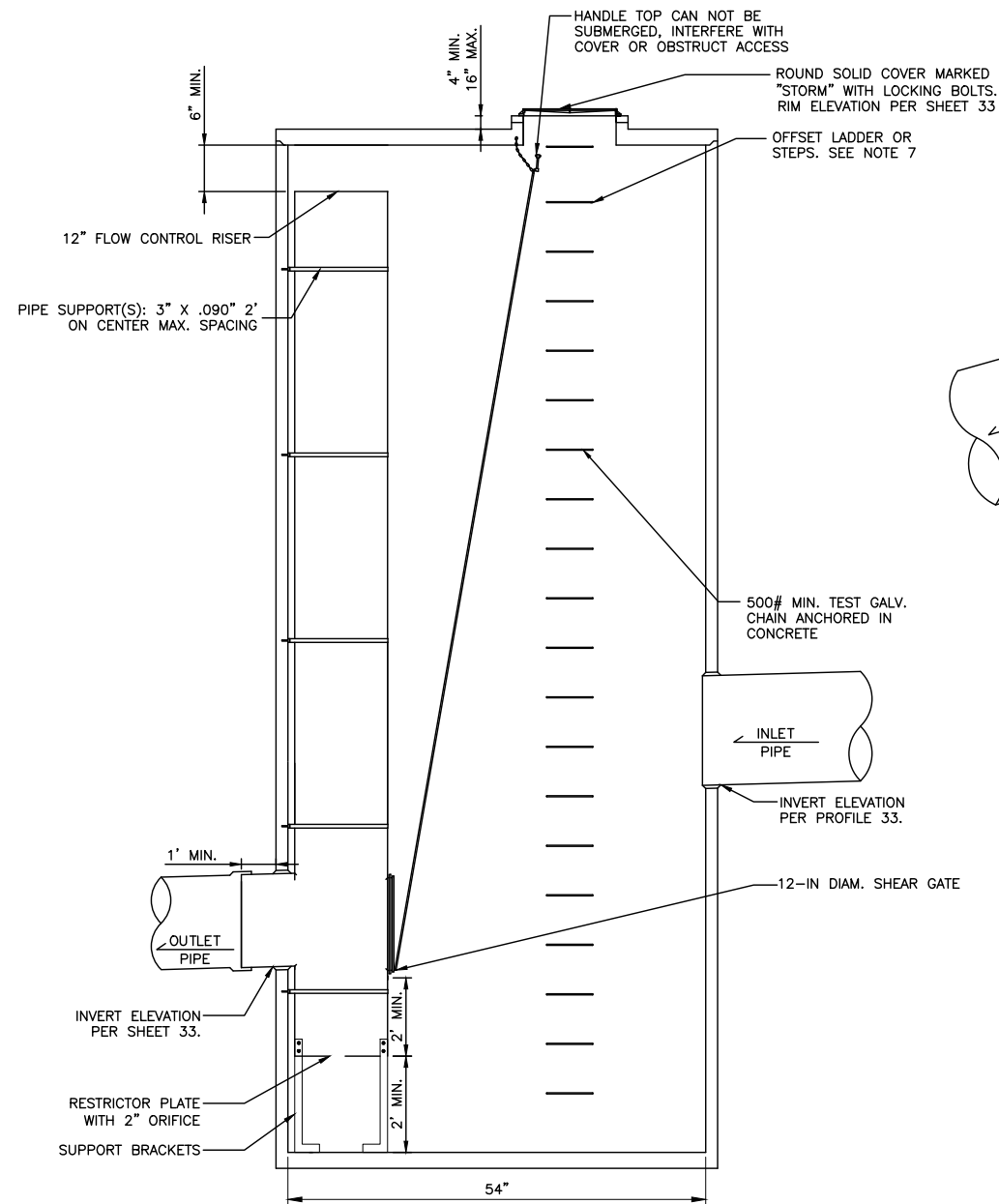
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**STORM DRAIN DETAILS**

**10-14008**  
OCI PROJECT NO.  
**78 89**  
SHEET OF

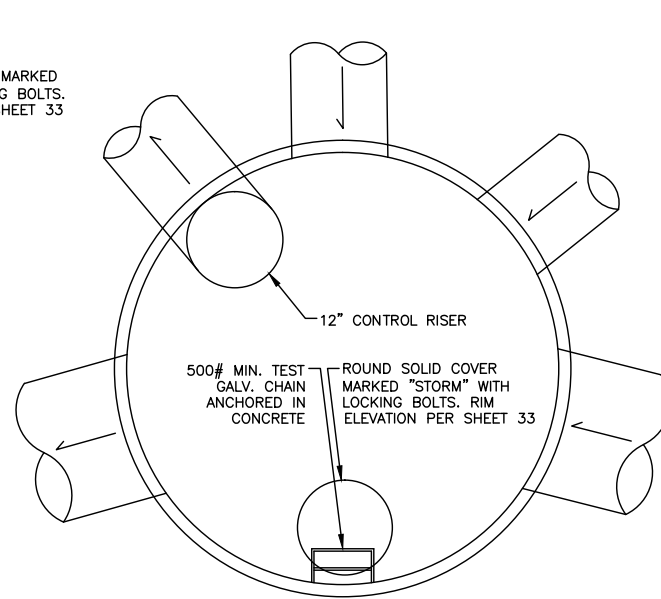
PLOTTING DATE: 4/20/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\CADD\Sheets\10-140008\_SDD1.dwg



1  
33

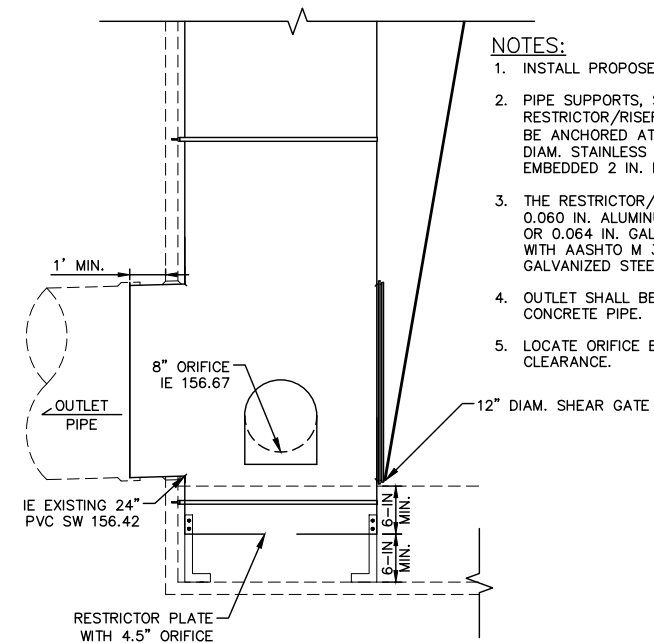
**CB155 FLOW SPLITTER DETAIL**

N.T.S.



**NOTES:**

1. PIPE SIZES AND SLOPES: PER PROFILE ON SHEET 33.
2. OUTLET CAPACITY: NOT LESS THAN COMBINED INLETS.
3. EXCEPT AS SHOWN OR NOTED, FLOW CONTROL STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS FOR CATCH BASIN 54" MIN. DIAM. TYPE 2.
4. PIPE SUPPORTS, SUPPORT BRACKETS, FASTENERS, AND RESTRICTOR/RISER SHALL BE OF SAME MATERIAL, AND BE ANCHORED AT 3 FT MAX. SPACING BY 5/8 IN. DIAM. STAINLESS STEEL EXPANSION BOLTS OR EMBEDDED 2 IN. IN WALL.
5. THE RESTRICTOR/RISER SHALL BE FABRICATED FROM 0.060 IN. ALUMINUM, OR 0.064 IN. ALUMINIZED STEEL, OR 0.064 IN. GALVANIZED STEEL PIPE; IN ACCORDANCE WITH AASHTO M 36, M 196, M 197 AND M 274. GALVANIZED STEEL SHALL HAVE TREATMENT 1.
6. OUTLET SHALL BE GROUTED INTO THE BELL OF CONCRETE PIPE.
7. LADDER OR STEPS SHALL BE OFFSET SO THAT:
  - A. CLEANOUT GATE IS VISIBLE FROM TOP.
  - B. CLIMB DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.
8. IF METAL OUTLET PIPE CONNECTS TO CEMENT CONCRETE PIPE: OUTLET PIPE TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4 IN.
9. LOCATE ORIFICE ELBOW TO ASSURE LADDER CLEARANCE.



2  
30

**EXISTING CB FLOW SPLITTER DETAIL**

N.T.S.

**NOTES:**

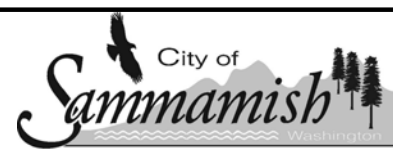
1. INSTALL PROPOSED TEE IN EXISTING TYPE 2 CB.
2. PIPE SUPPORTS, SUPPORT BRACKETS, FASTENERS, AND RESTRICTOR/RISER SHALL BE OF SAME MATERIAL, AND BE ANCHORED AT 3 FT MAX. SPACING BY 5/8 IN. DIAM. STAINLESS STEEL EXPANSION BOLTS OR EMBEDDED 2 IN. IN WALL.
3. THE RESTRICTOR/RISER SHALL BE FABRICATED FROM 0.060 IN. ALUMINUM, OR 0.064 IN. ALUMINIZED STEEL, OR 0.064 IN. GALVANIZED STEEL PIPE; IN ACCORDANCE WITH AASHTO M 36, M 196, M 197 AND M 274. GALVANIZED STEEL SHALL HAVE TREATMENT 1.
4. OUTLET SHALL BE GROUTED INTO THE BELL OF CONCRETE PIPE.
5. LOCATE ORIFICE ELBOW TO ASSURE LADDER CLEARANCE.



4/20/16

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

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

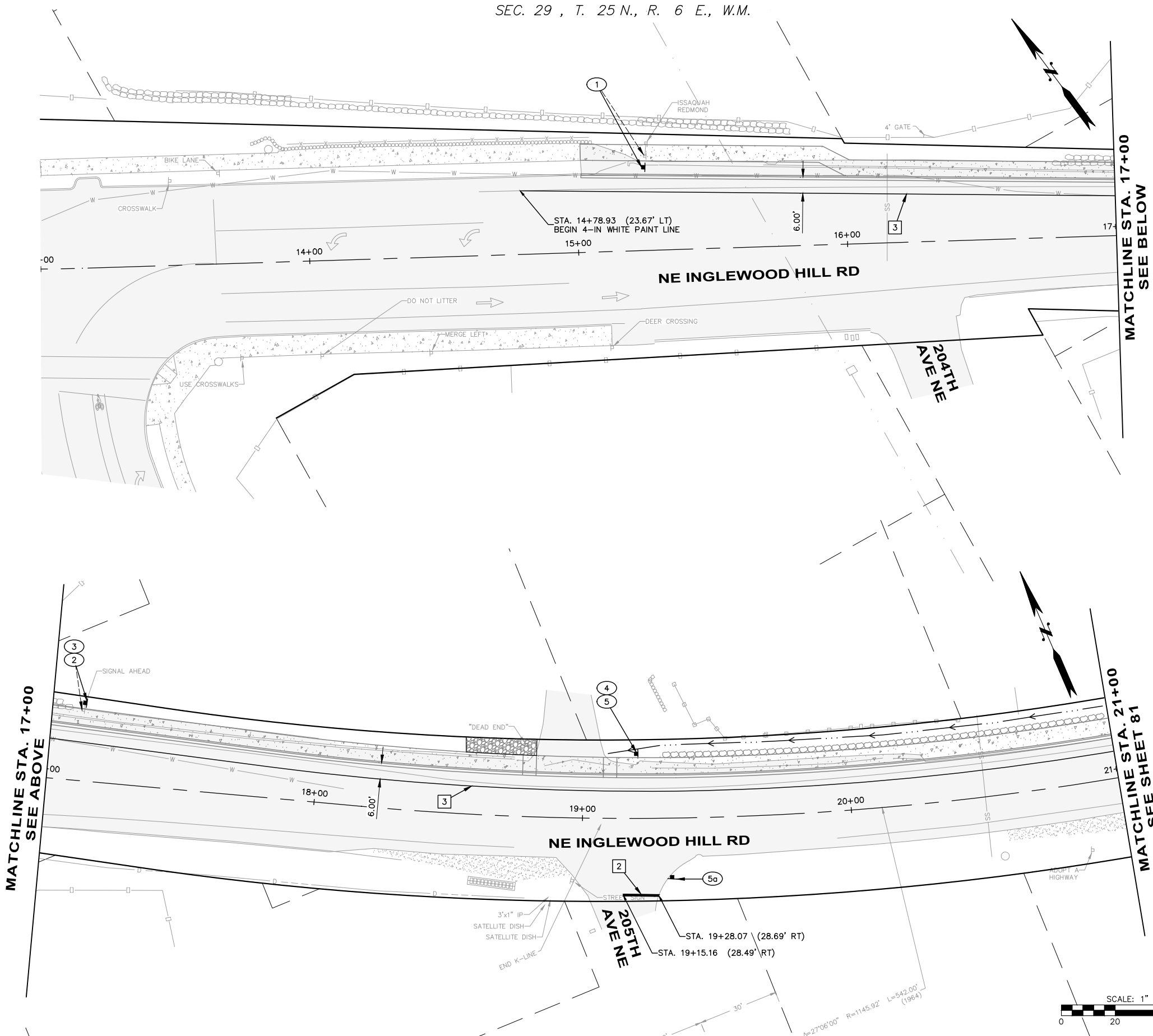
DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**

**FLOW SPLITTER DETAIL**

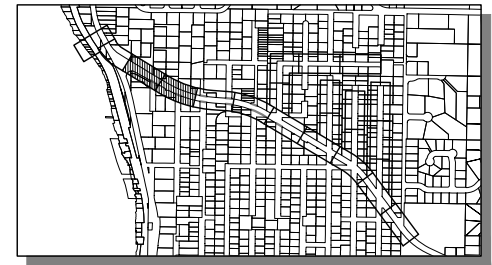
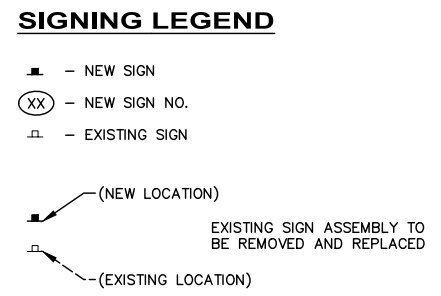
**10-14008**  
OCI PROJECT NO.

**79** **89**  
SHEET OF



- GENERAL NOTES:**
1. SEE SHEET 85 FOR SIGN SCHEDULE.
  2. SEE SHEET 85 FOR STREET SIGN INSTALLATION DETAIL.
  3. ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED IN ACCORDANCE TO STANDARD SIGN INSTALLATION DETAIL SEE SHEET 85.

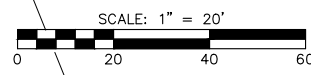
- # CHANNELIZATION NOTES:**
1. CROSSWALK STRIPING PER KING COUNTY FIG. 4-003.
  2. 16-IN WHITE PLASTIC STOP LINE PER KING COUNTY FIG. 4-003.
  3. 4-IN WHITE PAINT LINE (SOLID FLAT SURFACE LINE).



Know what's below.  
Call before you dig.



4/20/16



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

USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_CH01.dwg  
 PLOTTING DATE: 3/1/2016

| NO. | DATE | BY | CHKD. | REVISION |
|-----|------|----|-------|----------|
|     |      |    |       |          |
|     |      |    |       |          |
|     |      |    |       |          |



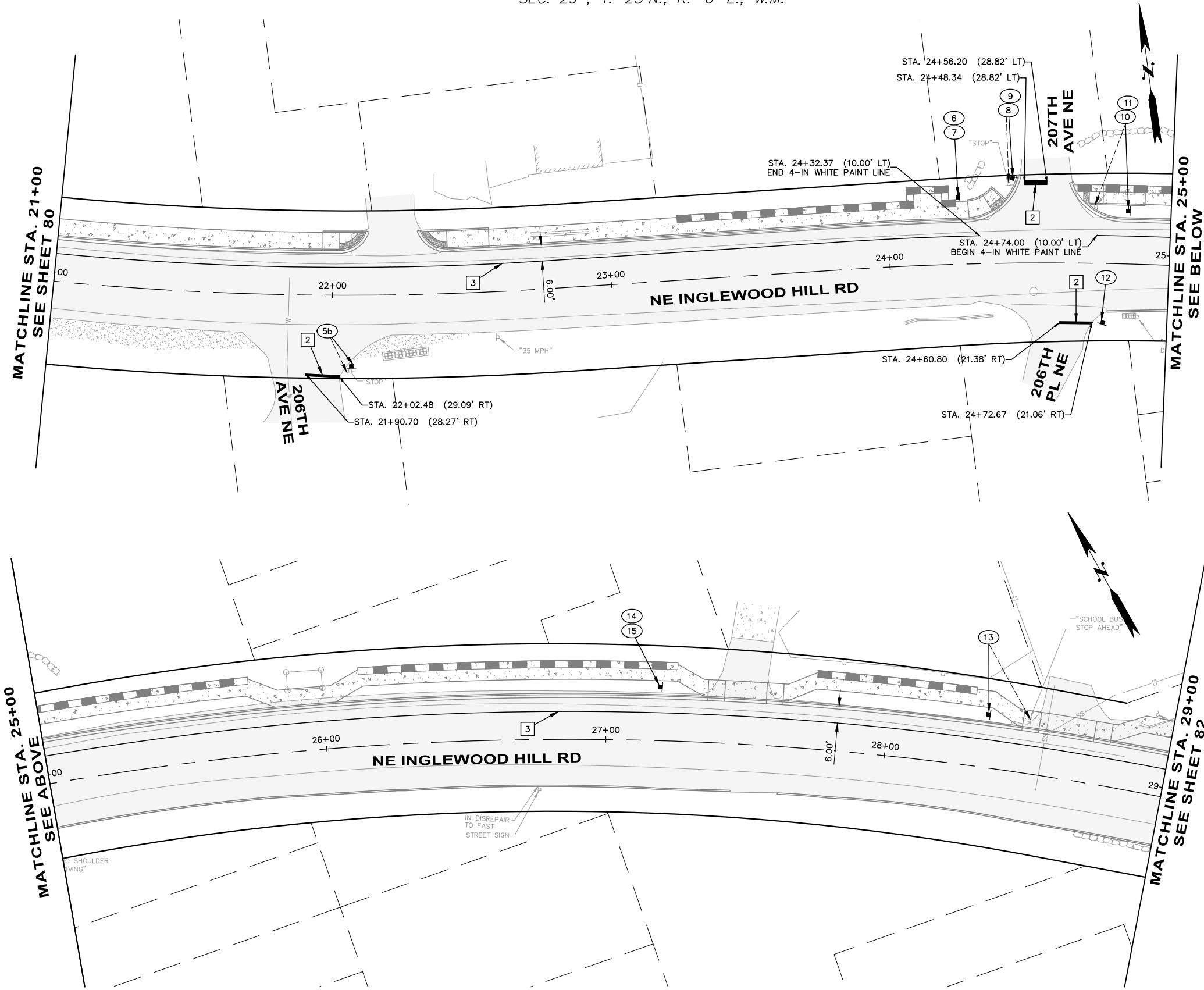
**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**CHANNELIZATION AND SIGNING**  
**STA. 13+00 TO STA. 21+00**

**10-140008**  
 OCI PROJECT NO.  
 80 89  
 SHEET OF





**GENERAL NOTES:**

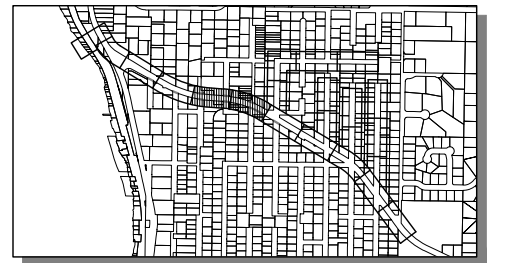
1. SEE SHEET 85 FOR SIGN SCHEDULE.
2. SEE SHEET 85 FOR STREET SIGN INSTALLATION DETAIL.
3. ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED IN ACCORDANCE TO STANDARD SIGN INSTALLATION DETAIL SEE SHEET 85.

**# CHANNELIZATION NOTES:**

1. CROSSWALK STRIPING PER KING COUNTY FIG. 4-003.
2. 16-IN WHITE PLASTIC STOP LINE PER KING COUNTY FIG. 4-003.
3. 4-IN WHITE PAINT LINE (SOLID FLAT SURFACE LINE).

**SIGNING LEGEND**

- - NEW SIGN
- ⊗ - NEW SIGN NO.
- ▭ - EXISTING SIGN
- (NEW LOCATION)
- (EXISTING LOCATION)
- ▭ - EXISTING SIGN ASSEMBLY TO BE REMOVED AND REPLACED



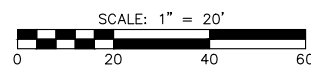
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_CH01.dwg PLOTTING DATE: 3/1/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |

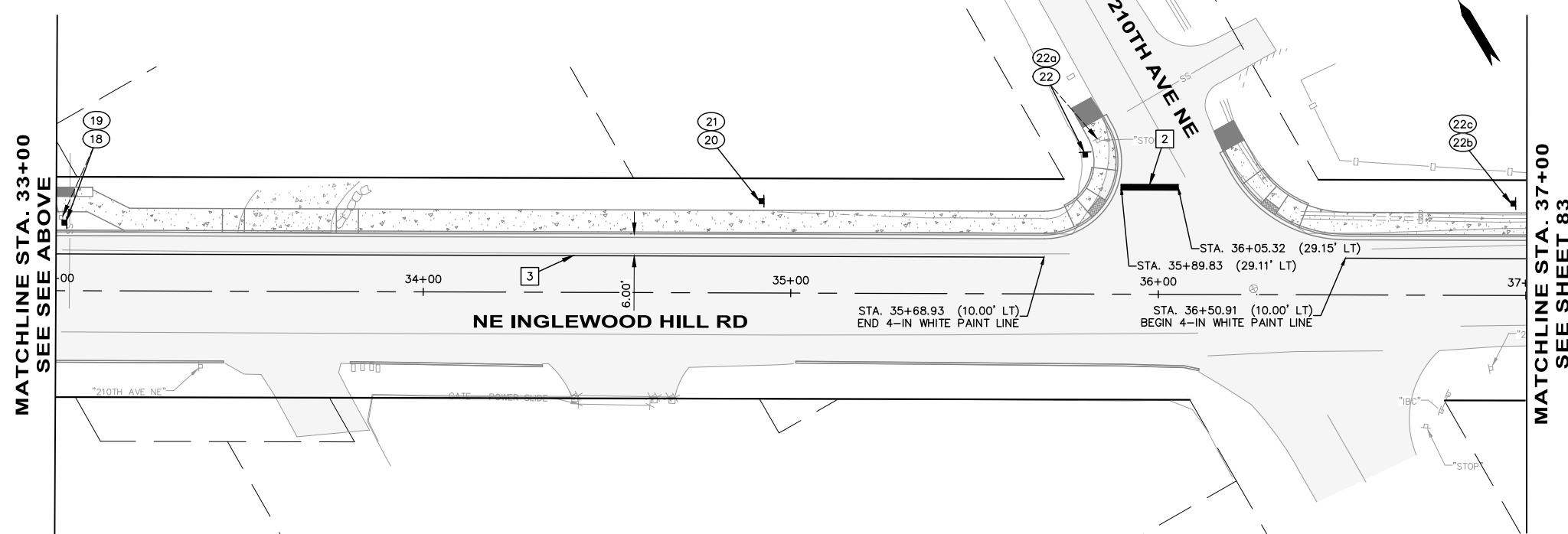
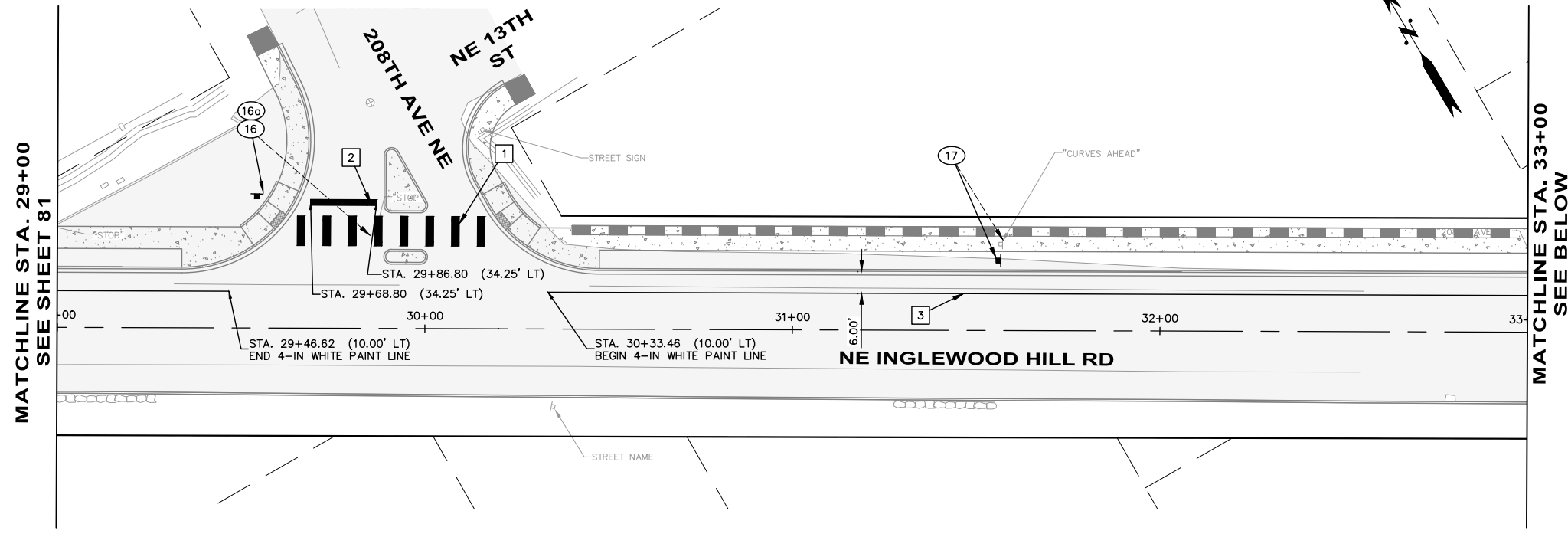


**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

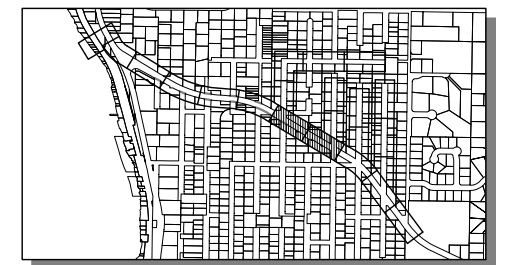
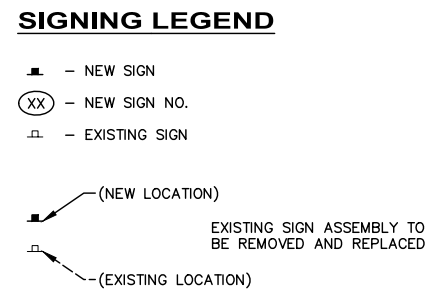
**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**CHANNELIZATION AND SIGNING**  
**STA. 21+00 TO STA. 29+00**

**10-140008**  
OCI PROJECT NO.  
81 OF  
SHEET OF



- GENERAL NOTES:**
- SEE SHEET 85 FOR SIGN SCHEDULE.
  - SEE SHEET 85 FOR STREET SIGN INSTALLATION DETAIL.
  - ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED IN ACCORDANCE TO STANDARD SIGN INSTALLATION DETAIL SEE SHEET 85.

- CHANNELIZATION NOTES:**
- CROSSWALK STRIPING PER KING COUNTY FIG. 4-003.
  - 16-IN WHITE PLASTIC STOP LINE PER KING COUNTY FIG. 4-003.
  - 4-IN WHITE PAINT LINE (SOLID FLAT SURFACE LINE).



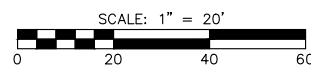
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_CH01.dwg PLOTTING DATE: 3/1/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



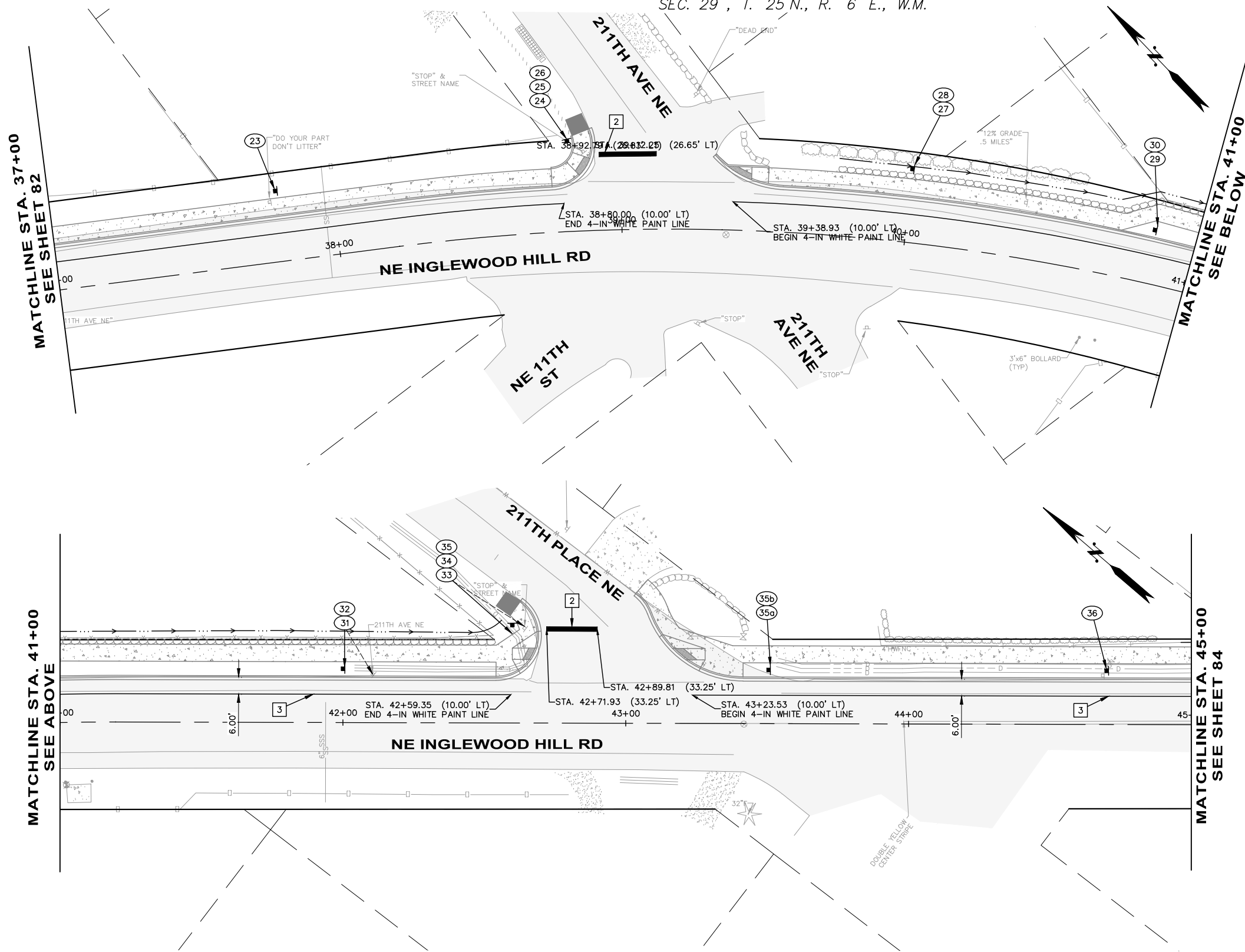
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**CHANNELIZATION AND SIGNING**  
**STA. 29+00 TO STA. 37+00**

**10-140008**  
OCI PROJECT NO.  
82 OF  
SHEET OF

SEC. 29, T. 25 N., R. 6 E., W.M.



**GENERAL NOTES:**

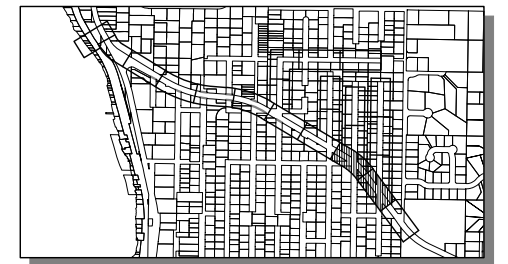
1. SEE SHEET 85 FOR SIGN SCHEDULE.
2. SEE SHEET 85 FOR STREET SIGN INSTALLATION DETAIL.
3. ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED IN ACCORDANCE TO STANDARD SIGN INSTALLATION DETAIL SEE SHEET 85.

**CHANNELIZATION NOTES:**

1. CROSSWALK STRIPING PER KING COUNTY FIG. 4-003.
2. 16-IN WHITE PLASTIC STOP LINE PER KING COUNTY FIG. 4-003.
3. 4-IN WHITE PAINT LINE (SOLID FLAT SURFACE LINE).

**SIGNING LEGEND**

- - NEW SIGN
- ⊗ - NEW SIGN NO.
- ⊠ - EXISTING SIGN
- (NEW LOCATION)
- (EXISTING LOCATION)
- ⊠ (EXISTING SIGN ASSEMBLY TO BE REMOVED AND REPLACED)



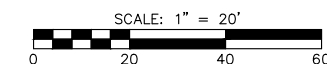
**KEY MAP**  
SCALE: 1"=1000'



Know what's below.  
Call before you dig.



4/20/16



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

USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_CH01.dwg PLOTTING DATE: 3/1/2016

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



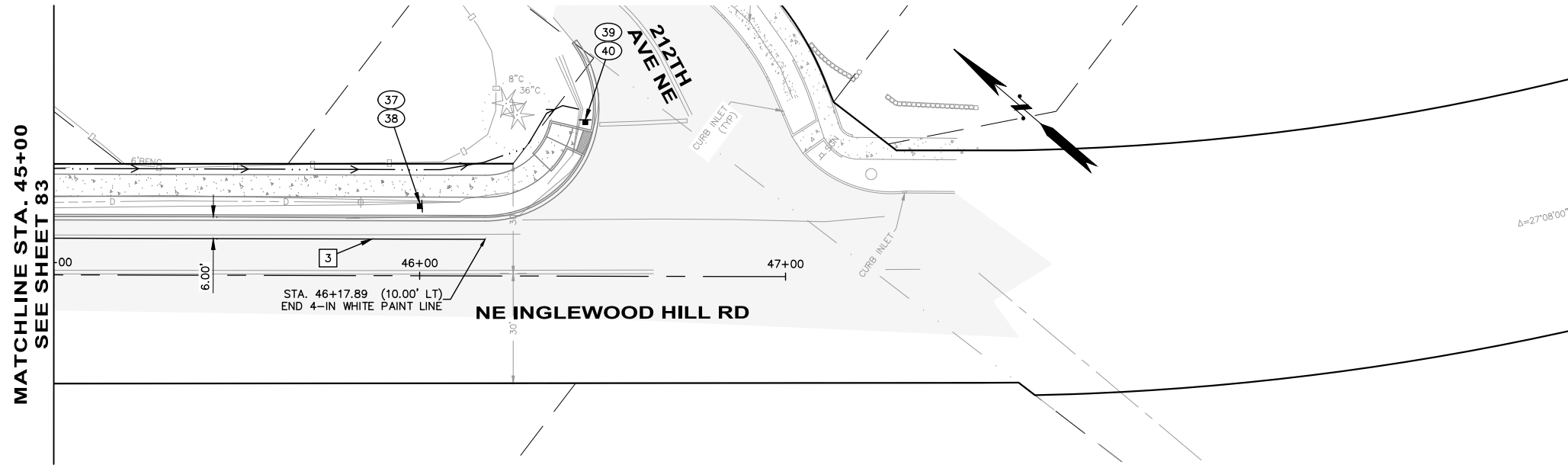
**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**CHANNELIZATION AND SIGNING**  
**STA. 37+00 TO STA. 45+00**

**10-14008**  
OCI PROJECT NO.  
83 89  
SHEET OF





MATCHLINE STA. 45+00  
SEE SHEET 83

**GENERAL NOTES:**

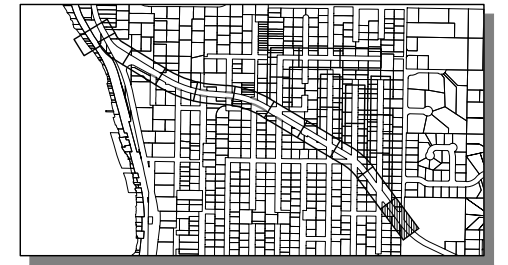
1. SEE SHEET 85 FOR SIGN SCHEDULE.
2. SEE SHEET 85 FOR STREET SIGN INSTALLATION DETAIL.
3. ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED IN ACCORDANCE TO STANDARD SIGN INSTALLATION DETAIL SEE SHEET 85.

**# CHANNELIZATION NOTES:**

1. CROSSWALK STRIPING PER KING COUNTY FIG. 4-003.
2. 16-IN WHITE PLASTIC STOP LINE PER KING COUNTY FIG. 4-003.
3. 4-IN WHITE PAINT LINE (SOLID FLAT SURFACE LINE).

**SIGNING LEGEND**

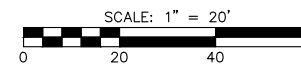
- - NEW SIGN
  - ⊗ - NEW SIGN NO.
  - - EXISTING SIGN
- 
- (NEW LOCATION)
  - EXISTING SIGN ASSEMBLY TO BE REMOVED AND REPLACED
  - (EXISTING LOCATION)



**KEY MAP**  
SCALE: 1"=1000'



4/20/16



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

PLOT DATE: 3/1/2016 USER: Trevis Franklin FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Sheets\10-140008\_CH01.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
Bellevue, WA. 98004 Fax (425) 451-4901

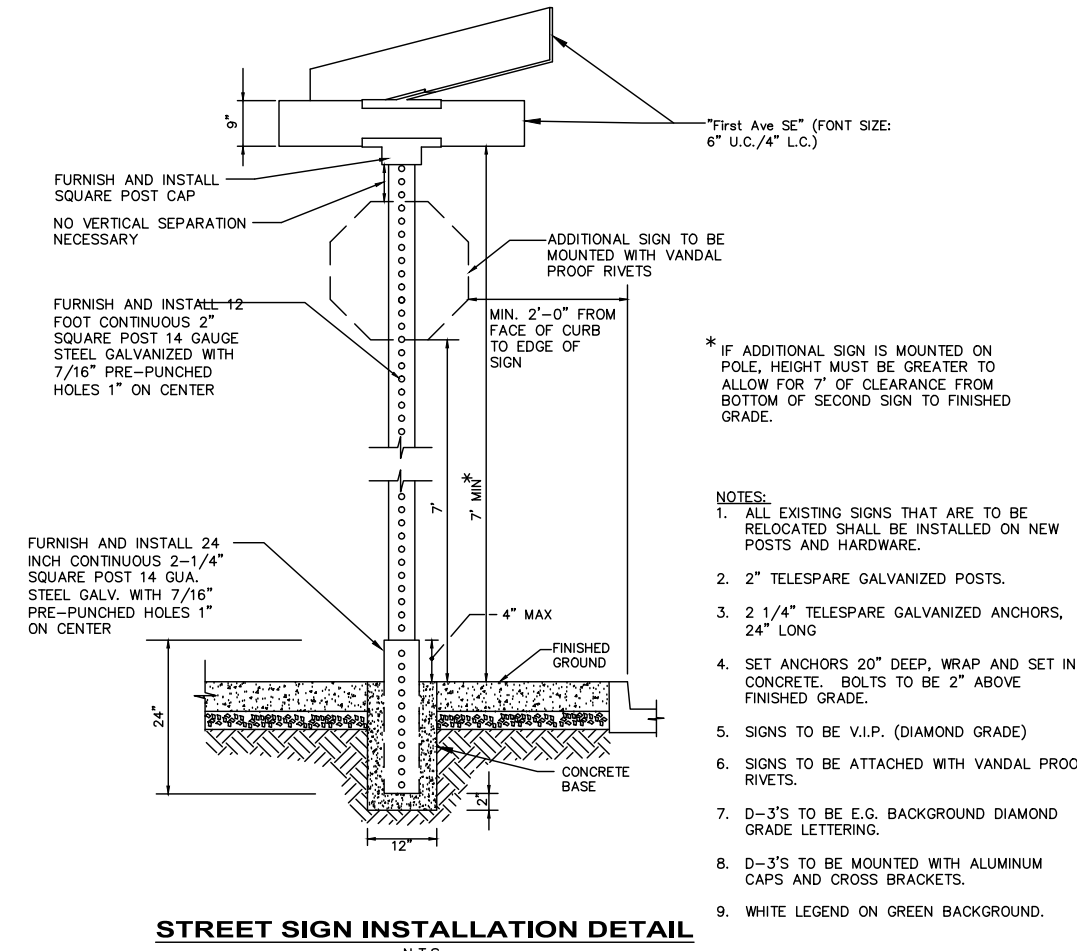
DESIGNED BY: LCR  
DRAWN BY: RDH  
CHECKED BY: LAT  
DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS**  
**CHANNELIZATION AND SIGNING**  
**STA. 45+00 TO STA. 47+00**

**10-140008**  
OCI PROJECT NO.  
84 OF  
SHEET OF

**SIGN SCHEDULE**

| SIGN NO. | STATION | CLEARANCE |         | SIGN TYPE | SIGN SIZE |         | DESCRIPTION                         | REMARKS                    |
|----------|---------|-----------|---------|-----------|-----------|---------|-------------------------------------|----------------------------|
|          |         | V (FT.)   | H (FT.) |           | W (IN.)   | H (IN.) |                                     |                            |
| 1        | 15+25   | 7         | 2       | D1-2      | VARIES    | 30      | (LEFT) ISSAQUAH, REDMOND (STRAIGHT) | NEW SIGN AND POST          |
| 2        | 17+12   | 7         | 2       | W3-3      | 30        | 30      | SIGNAL AHEAD                        | NEW SIGN AND POST          |
| 3        | 17+12   | 10        | 2       | W16-8P    | VARIES    | 8       | E LK SAMMAMISH PARKWAY NE           | MOUNT SIGN ABOVE NO. 2     |
| 4        | 19+20   | 8         | 2       | R3-17     | 24        | 18      | BIKE LANE                           | NEW SIGN AND POST          |
| 5        | 19+20   | 7         | 2       | R8-3      | 24        | 24      | NO PARKING                          | MOUNT BELOW SIGN NO. 4     |
| 5a       | 19+33   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN                   |
| 5b       | 22+07   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN                   |
| 6        | 24+25   | 8         | 2       | R3-17     | 24        | 18      | BIKE LANE                           | NEW SIGN AND POST          |
| 7        | 24+25   | 7         | 2       | R8-3      | 24        | 24      | NO PARKING                          | MOUNT BELOW SIGN NO. 6     |
| 8        | 24+41   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN AND POST          |
| 9        | 24+41   | 9         | 2       | D3-1      | VARIES    | 8       | 207TH AVE NE PRIVATE ROAD           | MOUNT ABOVE SIGN NO. 8     |
| 10       | 24+85   | 7         | 2       | -         | 18        | 24      | END MAINTAINED CITY ROAD            | EXISTING SIGN TO BE REUSED |
| 11       | 24+85   | 10        | 2       | W14-1a    | 36        | 9       | DEAD END/NO OUTLET                  | MOUNT ABOVE SIGN NO. 10    |
| 12       | 24+76   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN                   |
| 13       | 28+35   | 7         | 2       | S3-1      | 30        | 30      | SCHOOL BUS STOP AHEAD               | NEW SIGN AND POST          |
| 14       | 27+19   | 8         | 2       | R3-17     | 24        | 18      | BIKE LANE                           | NEW SIGN AND POST          |
| 15       | 27+19   | 7         | 2       | R8-3      | 24        | 24      | NO PARKING                          | MOUNT BELOW SIGN NO. 14    |
| 16       | 29+56   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN AND POST          |
| 16a      | 29+56   | 9         | 2       | D3-1      | VARIES    | 8       | 208TH AVE NE                        | MOUNT ABOVE SIGN NO. 16    |
| 17       | 31+56   | 7         | 2       | W1-4      | 30        | 30      | TURN AND CURVE WARNING              | NEW SIGN AND POST          |
| 18       | 33+02   | 7         | 2       | W2-2      | 30        | 30      | INTERSECTION WARNING                | NEW SIGN AND POST          |
| 19       | 33+02   | 8         | 2       | W16-8P    | VARIES    | 8       | 208TH AVE NE / NE 13TH ST           | MOUNT ABOVE SIGN NO. 18    |
| 20       | 34+92   | 8         | 2       | R3-17     | 24        | 18      | BIKE LANE                           | NEW SIGN AND POST          |
| 21       | 34+92   | 7         | 2       | R8-3      | 24        | 24      | NO PARKING                          | MOUNT BELOW SIGN NO. 20    |
| 22       | 35+80   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN AND POST          |
| 22a      | 35+80   | 9         | 2       | D3-1      | VARIES    | 8       | 210TH AVE NE                        | MOUNT ABOVE SIGN NO. 22    |
| 22b      | 36+96   | 8         | 2       | R3-17     | 24        | 18      | BIKE LANE                           | NEW SIGN AND POST          |
| 22c      | 36+96   | 7         | 2       | R8-3      | 24        | 24      | NO PARKING                          | MOUNT BELOW SIGN NO. 22b   |
| 23       | 37+80   | 7         | 2       | -         | 30        | 30      | DO YOUR PART DO NOT LITTER          | NEW SIGN AND POST          |
| 24       | 38+82   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN AND POST          |
| 25       | 38+82   | 9         | 2       | D3-1      | VARIES    | 8       | 211TH AVE NE                        | MOUNT ABOVE SIGN NO. 24    |
| 26       | 38+82   | 9         | 2       | D3-1      | VARIES    | 8       | NE INGLEWOOD HILL RD                | MOUNT ABOVE SIGN NO. 25    |
| 27       | 40+00   | 8         | 2       | R3-17     | 24        | 18      | BIKE LANE                           | NEW SIGN AND POST          |
| 28       | 40+00   | 7         | 2       | R8-3      | 24        | 24      | NO PARKING                          | MOUNT BELOW SIGN NO. 27    |
| 29       | 40+85   | 8         | 2       | W7-1      | 30        | 30      | HILL                                | NEW SIGN AND POST          |
| 30       | 40+85   | 7         | 2       | W7-3bP    | 24        | 18      | 12% GRADE, 1/2 MILE                 | MOUNT BELOW SIGN NO. 29    |
| 31       | 42+00   | 7         | 2       | W2-2      | 24        | 24      | INTERSECTION WARNING                | NEW SIGN AND POST          |
| 32       | 42+00   | 8         | 2       | W16-8P    | VARIES    | 8       | 211TH AVE NE                        | MOUNT ABOVE SIGN ON. 31    |
| 33       | 42+60   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN AND POST          |
| 34       | 42+60   | 8         | 2       | D3-1      | VARIES    | 8       | NE INGLEWOOD HILL RD                | MOUNT ABOVE SIGN NO. 33    |
| 35       | 42+60   | 9         | 2       | D3-1      | VARIES    | 8       | 211TH PL NE                         | MOUNT ABOVE SIGN NO. 34    |
| 35a      | 43+50   | 8         | 2       | R3-17     | 24        | 18      | BIKE LANE                           | NEW SIGN AND POST          |
| 35b      | 43+50   | 7         | 2       | R8-3      | 24        | 24      | NO PARKING                          | MOUNT BELOW SIGN NO. 35a   |
| 36       | 44+70   | 7         | 2       | R2-1      | 24        | 30      | SPEED LIMIT 35                      | NEW SIGN AND POST          |
| 37       | 46+00   | 8         | 2       | R3-17     | 24        | 18      | BIKE LANE                           | NEW SIGN AND POST          |
| 38       | 46+00   | 7         | 2       | R8-3      | 24        | 24      | NO PARKING                          | MOUNT BELOW SIGN NO. 37    |
| 39       | 46+45   | 7         | 2       | R1-1      | 30        | 30      | STOP SIGN                           | NEW SIGN AND POST          |
| 40       | 46+45   | 9         | 2       | D3-1      | VARIES    | 8       | 212TH AVE NE                        | MOUNT ABOVE SIGN NO. 39    |



- NOTES:**
1. ALL EXISTING SIGNS THAT ARE TO BE RELOCATED SHALL BE INSTALLED ON NEW POSTS AND HARDWARE.
  2. 2" TELESARE GALVANIZED POSTS.
  3. 2 1/4" TELESARE GALVANIZED ANCHORS, 24" LONG
  4. SET ANCHORS 20" DEEP, WRAP AND SET IN CONCRETE. BOLTS TO BE 2" ABOVE FINISHED GRADE.
  5. SIGNS TO BE V.I.P. (DIAMOND GRADE)
  6. SIGNS TO BE ATTACHED WITH VANDAL PROOF RIVETS.
  7. D-3'S TO BE E.G. BACKGROUND DIAMOND GRADE LETTERING.
  8. D-3'S TO BE MOUNTED WITH ALUMINUM CAPS AND CROSS BRACKETS.
  9. WHITE LEGEND ON GREEN BACKGROUND.

PLOTING DATE: 2/29/2016 USER: Trevis Franklin\FILE NAME: P:\10-140008 Inglewood Drainage\3 CAD\Drawings\10-140008\_SIGNET.dwg

| NO. | DATE | BY | CKD. | REVISION |
|-----|------|----|------|----------|
|     |      |    |      |          |
|     |      |    |      |          |
|     |      |    |      |          |



**OSBORN CONSULTING, INC.**  
 1800 112th Ave. NE, Suite 220E Ph (425) 451-4009  
 Bellevue, WA. 98004 Fax (425) 451-4901

DESIGNED BY: LCR  
 DRAWN BY: RDH  
 CHECKED BY: LAT  
 DATE: FEB. 2016

**INGLEWOOD HILL STORMWATER AND NON-MOTORIZED IMPROVEMENTS CHANNELIZATION AND SIGNING SIGN SCHEDULE AND DETAILS**

**10-14008**  
 OCI PROJECT NO.  
 85 OF  
 SHEET OF



4/20/16

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







INGLEWOOD NEIGHBORHOOD DRAINAGE RESTORATION PLAN

PREPARED FOR: OSBORN CONSULTING INC.  
PARCELS 3575300175, 3575300170, 3575300165  
EAST LAKE SAMMAMISH PKWY NE  
SAMMAMISH, WA

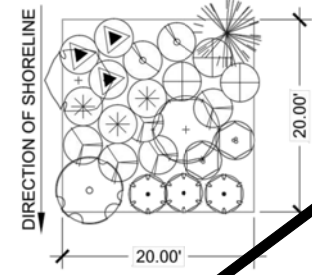
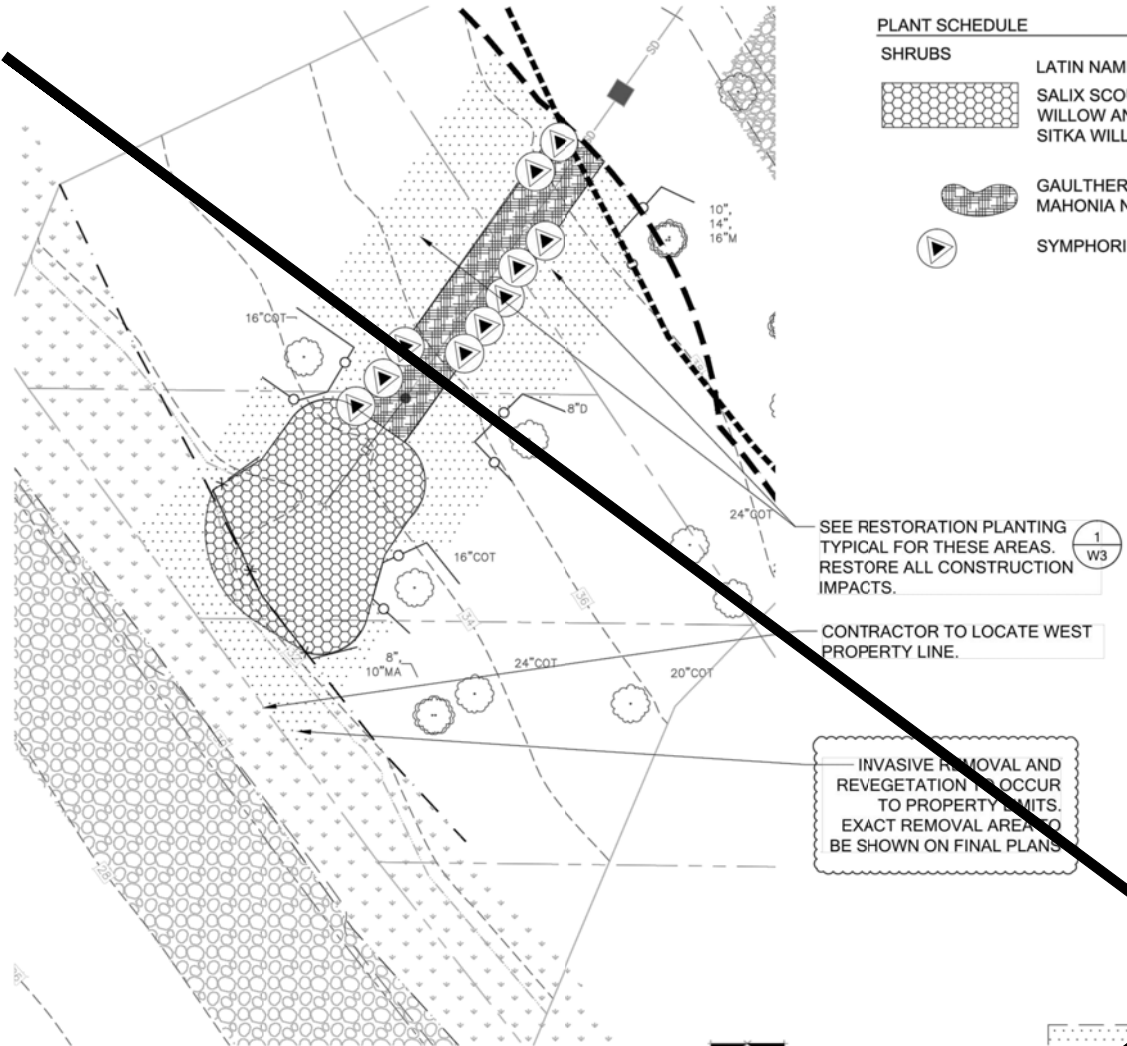
ITEMS TO BE CONSTRUCTED UNDER SEPARATE CONTRACT

**PLANT SCHEDULE**

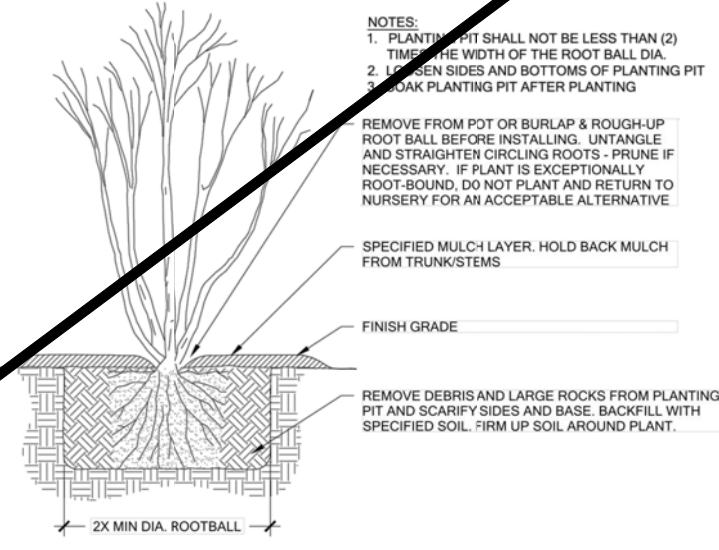
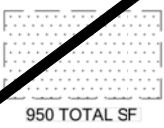
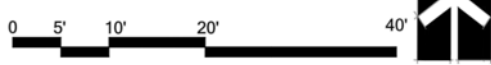
| SHRUBS | LATIN NAME/COMMON NAME                     | SIZE          | QTY | SPACING/NOTES                    |
|--------|--|---------------|-----|----------------------------------|
|        | SALIX SCOULERIANA / SCOULER'S WILLOW       | 4' LIVE STAKE | 60  | 24" O.C. PLANT IN GROUPS OF 20   |
|        | WILLOW AND SALIX SITCHENSIS / SITKA WILLOW | 4' LIVE STAKE | 60  | 24" O.C. PLANT IN GROUPS OF 20   |
|        | GAULTHERIA SHALLON / SALAL                 | 1 GAL.        | 30  | 24" O.C. / PLANT IN GROUPS OF 15 |
|        | MAHONIA NERVOSEA / DULL MAHONIA            | 1 GAL.        | 30  | 24" O.C. / PLANT IN GROUPS OF 15 |
|        | SYMPHORICARPOS ALBUS                       | 1 GAL.        | 10  | AS SHOWN                         |

**PLANTING TYPICAL LEGEND**

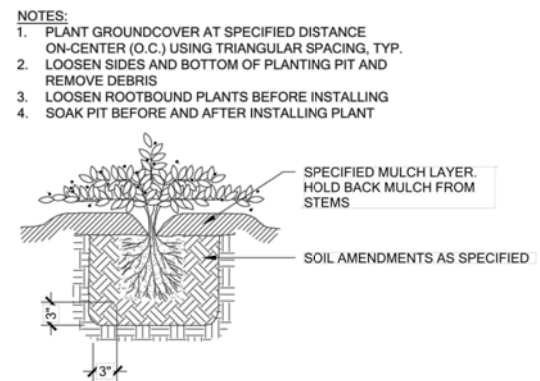
| TREES  | LATIN NAME/COMMON NAME                   | SIZE  | RATE/SF |
|--------|--|-------|---------|
|        | ACER MACROPHYLLUM / BIGLEAF MAPLE        | 2 GAL | 0.0025  |
|        | THUJA PLICATA / WESTERN RED CEDAR        | 2 GAL | 0.0025  |
|        | POPULUS BALSAMIFERA / BLACK COTTONWOOD   | 2 GAL | 0.0025  |
|        | BETULA PAPYRIFERA / PAPER BIRCH          | 2 GAL | 0.0025  |
| SHRUBS |  |       |         |
|        | RUBUS PARVIFLORUS / THIMBLEBERRY         | 1 GAL | 0.0125  |
|        | HOLODISCUS DISCOLOR / OCEANSPRAY         | 1 GAL | 0.005   |
|        | RIBES SANGUINEUM / RED FLOWERING CURRANT | 1 GAL | 0.0075  |
|        | SYMPHORICARPOS ALBUS / SNOWBERRY         | 1 GAL | 0.0075  |
|        | ROSA GYMNOCARPA / BALDHIP ROSE           | 1 GAL | 0.0075  |
|        | SALIX SCOULERIANA / SCOULER'S WILLOW     | 1 GAL | 0.0075  |
|        | PHYSOCARPUS CAPITATUS / NINEBARK         | 1 GAL | 0.005   |



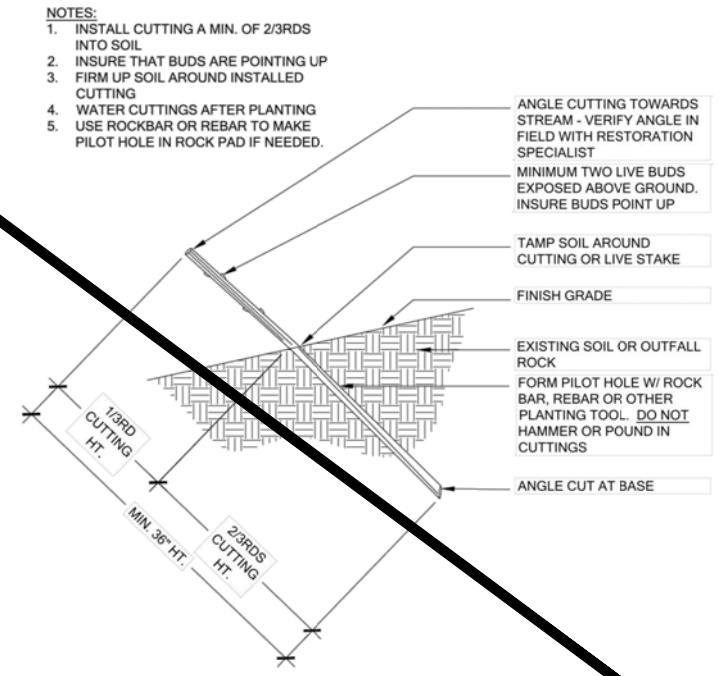
1 RESTORATION PLANTING TYPICAL FOR ACCESS AREAS (AS NEEDED FOR IMPACTS) Scale: 1:10



2 TREE AND SHRUB PLANTING Scale: NTS



3 GROUNDCOVER PLANTING Scale: NTS



4 LIVE STAKE PLANTING SCALE: NTS

PLANTING PLAN

**SUBMITTALS & REVISIONS**

| NO. | DATE     | DESCRIPTION            | BY  |
|-----|----------|------------------------|-----|
| 1   | 5-28-15  | REVIEW SET             | CL  |
| 2   | 10-27-15 | ADDED NOTE ON SHEET W2 | CL  |
| 3   | 12-28-15 | 90% PS+E               | KMB |

**SHEET SIZE:**  
ORIGINAL PLAN IS 22" x 34".  
SCALE ACCORDINGLY.

PROJECT MANAGER: HM  
DESIGNED: CL/HM  
DRAFTED: CL/KMB  
CHECKED: HM/AR  
JOB NUMBER: 140311  
SHEET NUMBER: 88 OF 89

FILENAME: 140311\_INGLEWOOD.DWG  
PRINTED BY: KYLE BROWN  
DATE: 12/28/2015

**Executive Summary**

THE CITY OF SAMMAMISH IS UPGRADING STORMWATER FACILITIES IN THE INGLEWOOD NEIGHBORHOOD TO RESOLVE EXISTING DRAINAGE PROBLEMS AND ACCOMMODATE FUTURE DEVELOPMENT. THE INGLEWOOD NEIGHBORHOOD IS CURRENTLY UNDERGOING REDEVELOPMENT ON A LOT-BY-LOT BASIS, AND THE EXISTING INFRASTRUCTURE DOES NOT SUPPORT THE INFORMAL RESIDENTIAL INFILLING. THE GOAL OF THE PROPOSED DRAINAGE IMPROVEMENTS IS TO PROVIDE SOLUTIONS TO EXISTING DRAINAGE PROBLEMS AND SUPPORT FUTURE DEVELOPMENT WITHOUT CAUSING IMPACTS TO NATURAL RESOURCES OR EXISTING INFRASTRUCTURE. THE PRELIMINARY DESIGN UTILIZES THE FLOW CAPACITY OF THE EXISTING 24-INCH STORMWATER LINE AND PREVENTS FURTHER EROSION IN THE CURRENTLY INCISED CHANNEL BETWEEN 205TH AVENUE NE AND 206TH AVENUE NE. THE PRELIMINARY DESIGN IS COMPOSED OF A COLLECTION SYSTEM, TRUNK LINE CONVEYANCE, AND NEW OUTFALL TO LAKE SAMMAMISH. OF THESE IMPROVEMENTS ONLY THE OUTFALL LOCATION IS WITHIN CRITICAL AREA BUFFERS, SPECIFICALLY THE BUFFER OF LAKE SAMMAMISH AND THE 50-FOOT BUFFER OF A LAKE-FRINGE WETLAND. AN EXISTING 18-INCH DIAMETER STORMWATER PIPE AND OUTFALL WILL BE REMOVED AND REPLACED WITH THE NEW, 24-INCH LINE. THIS MITIGATION PLAN PROPOSES TO RESTORE BUFFER AREAS DISTURBED DURING THE INSTALLATION OF THE NEW LINE, INCLUDING THE TRENCH AND ADJACENT STAGING AND WORK AREAS.

ALL PROJECT IMPACTS ARE EXPECTED TO BE TEMPORARY IN NATURE AND THERE ARE NO IMPACTS PROPOSED WITHIN THE WETLAND BOUNDARY OR BELOW THE ORDINARY HIGH WATER MARK (OHWM) OF LAKE SAMMAMISH. THE CURRENT CONDITIONS ABOVE THE PROPOSED OUTFALL CONSIST OF A LIGHTLY USED FOOTPATH THROUGH MODERATELY-SIZED BLACK COTTONWOOD AND OREGON ASH TREES AND A SPARSE UNDERSTORY OF MAINLY NON-NATIVE GRASSES AND HIMALAYAN BLACKBERRY VINES. NEAR THE SHORELINE, ANTICIPATED VEGETATION DISTURBANCE IS LIMITED MAINLY TO GARDEN LOOSESTRIPE WITH LESSER AMOUNTS OF REED CANARYGRASS, COMMON HORSETAIL AND HIMALAYAN BLACKBERRY. COMMON SPIKERUSH IS ALSO FOUND BELOW THE ORDINARY HIGH WATER MARK (OHWM) BUT NO DISTURBANCE IS PLANNED FOR THESE AREAS. ALL TREES IN THE PROJECT AREA WILL BE PRESERVED AND PROTECTED.

PROJECT IMPACTS ARE LIMITED TO WETLAND AND LAKE SAMMAMISH BUFFER SETBACK AREAS. BUFFER IMPACTS WILL BE MITIGATED THROUGH RESTORATION OF AREAS DISTURBED DURING CONSTRUCTION. TWO LEVELS OF IMPACT ARE ANTICIPATED, THE TRENCH AREA AND A STAGING AND WORK AREA ON EITHER SIDE OF THE TRENCH. SEVERAL TREES ARE LOCATED WITHIN THIS STAGING/WORK AREA AND THE CONTRACTOR WILL BE INSTRUCTED TO PRESERVE AND PROTECT THESE TREES. ALL OTHER AREAS WITHIN THE STAGING/WORK AREA WILL BE RESTORED WHERE DISTURBED. IT IS ANTICIPATED NOT ALL AREAS SHOWN WILL BE DISTURBED. TABLE 1 BELOW SUMMARIZES PROPOSED IMPACTS AND MITIGATION.

| Type of Impact     | Impact Area (SF) | Type of Restoration                                   | Restoration Area (SF) |
|--------------------|------------------|---|-----------------------|
| Trenching          | 575              | Soil amendment<br>Revegetation with native species    | 575                   |
| Staging/work areas | Up to 775        | Soil decompaction<br>Revegetation with native species | Up to 775             |

**MITIGATION APPROACH**

MITIGATION SEQUENCING

**AVOID**

DIRECT IMPACTS TO CRITICAL AREAS IS AVOIDED BY THE PROJECT. HOWEVER, TOTAL AVOIDANCE OF BUFFER IMPACTS IS NOT POSSIBLE DUE TO THE NEED TO DISCHARGE STORMWATER TO DOWNSTREAM RECEIVING WATERS (LAKE SAMMAMISH). THE SELECTED OUTFALL LOCATION WAS CHOSEN DUE TO ITS KING COUNTY OWNERSHIP. ADJACENT PARCELS ARE PRIVATELY OWNED AND AN EASEMENT ON THESE HIGHLY CONSTRAINED, SMALL LOTS IS AN INFEASIBLE OPTION.

**MINIMIZE**

PLACING THE NEW OUTFALL IN THE SAME LOCATION AS THE EXISTING OUTFALL MINIMIZES THE DISTURBANCE. AN EARLIER PLAN VERSION CALLED FOR ABANDONING THE EXISTING OUTFALL PIPE IN PLACE. THIS OPTION WAS REJECTED IN AN EFFORT TO MINIMIZE PROJECT IMPACTS.

**RESTORE**

TEMPORARY CONSTRUCTION RELATED IMPACTS DUE TO BOTH ACCESS REQUIREMENTS AND INSTALLATION OF THE OUTFALL WILL BE REPAIRED TO PRE-CONSTRUCTION CONDITION (OR BETTER).

**REDUCE OR ELIMINATE THE IMPACT OVER TIME**

A MAINTENANCE PLAN AND LONG-TERM SITE PROTECTION MEASURES ARE PROPOSED.

**COMPENSATE**

THE PROPOSED BUFFER RESTORATION IS INTENDED TO MITIGATE IMPACTS BY IMPROVING BUFFER FUNCTIONS THROUGH RE-ESTABLISHING A NATURAL VEGETATED AREA. THE PLANTING WILL CONSTITUTE AN IMPROVEMENT OVER THE EXISTING SITE CONDITION IN TERMS OF NATIVE PLANT DENSITY AND DIVERSITY; INVASIVE PLANT COVER WILL ALSO BE REDUCED.

**MONITOR**

A FIVE-YEAR MONITORING PLAN IS PROPOSED TO ENSURE SUCCESS OF REQUIRED MITIGATION MEASURES AND THAT RECTIFYING ACTIONS WILL BE TAKEN BASED UPON FINDINGS OVER TIME.

**GOALS AND PERFORMANCE STANDARDS (NOT IN CONTRACT)**

SITE SPECIFIC GOALS ARE PROVIDED TO IDENTIFY HOW WETLAND BUFFER FUNCTIONS AND VALUES WILL BE MAINTAINED DESPITE PROPOSED LAND USE CHANGES. PERFORMANCE STANDARDS ARE MEASURABLE STANDARDS, USED TO GAUGE PROJECT PERFORMANCE OVER THE MONITORING PERIOD. GOALS AND PERFORMANCE STANDARDS INCLUDE SPECIFIC REQUIREMENTS FOR SURVIVAL, WOODY COVER, DIVERSITY, AND INVASIVE SPECIES COVER. IF THE PERFORMANCE STANDARDS ARE MET AT THE END OF THE MONITORING PERIOD (5 YEARS), THEN THE MITIGATION PROJECT WILL BE DEEMED SUCCESSFUL.

**GOALS (NOT IN CONTRACT)**

RESTORE TEMPORARY BUFFER IMPACTS IN PLACE.

- a) ESTABLISH BUFFER VEGETATION EQUIVALENT TO OR GREATER QUALITY THAN THE PRE-EXISTING CONDITION.
- b) ESTABLISH A DIVERSE NATIVE SHRUB VEGETATION COMMUNITY.
- c) REMOVE AND CONTROL ALL NON-NATIVE INVASIVE VEGETATION.

**PERFORMANCE STANDARDS (NOT IN CONTRACT)**

THE STANDARDS LISTED BELOW WILL BE USED TO JUDGE THE SUCCESS OF THE PLAN OVER TIME. IF THE

STANDARDS ARE MET AT THE END OF THE FIVE-YEAR MONITORING PERIOD, THE PROJECT SHALL BE CONSIDERED COMPLETE.

1) SURVIVAL STANDARDS:

- a) 100% SURVIVAL OF INSTALLED CONTAINER PLANTINGS IN ALL AREAS AT THE END OF YEAR 1. THIS STANDARD MAY BE MET THROUGH ESTABLISHMENT OF INSTALLED PLANTS OR BY REPLANTING AS NECESSARY TO ACHIEVE THE REQUIRED NUMBERS. THIS STANDARD DOES NOT APPLY TO LIVE STAKES/CUTTINGS.
- b) 80% SURVIVAL OF INSTALLED CONTAINER PLANTINGS IN ALL AREAS AT THE END OF YEAR 2. THIS STANDARD MAY BE MET THROUGH ESTABLISHMENT OF INSTALLED PLANTS OR BY REPLANTING AS NECESSARY TO ACHIEVE THE REQUIRED NUMBERS. THIS STANDARD DOES NOT APPLY TO LIVE STAKES/CUTTINGS.

i) SURVIVAL BEYOND YEAR 2 IS DIFFICULT TO TRACK. THEREFORE, THE FOLLOWING DIVERSITY STANDARD SHALL BE IMPLEMENTED: ESTABLISHMENT OF AT LEAST FIVE NATIVE SHRUB SPECIES IN RESTORATION AREAS.

2) NATIVE VEGETATION COVER STANDARDS:

- a) ACHIEVE 60% AERIAL COVER OF NATIVE WOODY VEGETATION IN ALL PLANTED AREAS, INCLUDING THE OUTFALL PAD, BY THE END OF YEAR 3. NATIVE VOLUNTEERS MAY COUNT TOWARDS THIS STANDARD.
- b) ACHIEVE 80% AERIAL COVER OF NATIVE WOODY VEGETATION IN ALL AREAS, INCLUDING THE OUTFALL PAD, BY THE END OF YEAR 5. NATIVE VOLUNTEERS MAY COUNT TOWARDS THIS STANDARD; OR DOCUMENT 80 PERCENT SURVIVAL OF INSTALLED VEGETATION.

3) INVASIVE SPECIES COVER STANDARD:

- a) NO MORE THAN 10% AERIAL COVER OF NON-NATIVE INVASIVE SPECIES IN ANY PLANTING AREAS IN ANY MONITORING YEAR.

**CONTINGENCIES (NOT IN CONTRACT)**

IF THERE IS A SIGNIFICANT PROBLEM WITH THE MITIGATION AREA MEETING PERFORMANCE STANDARDS, A CONTINGENCY PLAN WILL BE DEVELOPED. CONTINGENCY PLANS CAN INCLUDE, BUT ARE NOT LIMITED TO, SOIL AMENDMENTS, ADDITIONAL PLANT INSTALLATIONS, EROSION CONTROL, AND PLANT SUBSTITUTIONS OF SIZE, QUANTITY, DENSITY, AND LOCATON

**CONSTRUCTION NOTES AND SPECIFICATIONS**

**WORK SEQUENCE**

NOTE: SPECIFICATIONS FOR ITEMS IN **BOLD** CAN BE FOUND UNDER "MATERIAL SPECIFICATIONS AND DEFINITIONS."

THE RESTORATION SPECIALIST SHALL MONITOR:

- 1) WETLAND BUFFER RESTORATION AND ENHANCEMENT: SITE PREPARATION, PLANT MATERIAL INSPECTIONS, PLANT INSTALLATION INSPECTIONS, AND FINAL PLAN DETAILS.

**GENERAL WORK SEQUENCE**

- 1) SURVEY AND MARK PROPERTY LINES FOR PARCELS #3575300175, #3575300170, #3575300165.
- 2) INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE TESC PLAN. SILT FENCING MUST BE IN PLACE PRIOR TO ANY SOIL DISTURBING ACTIVITIES.
- 3) INSPECT AND REPAIR EROSION CONTROLS SPECIFIED IN THE CIVIL ENGINEERING PLANS.
- 4) AS SHOWN ON THE CIVIL ENGINEERING PLANS, BEFORE BEGINNING CONSTRUCTION WORK, ESTABLISH CLEARING LIMITS AND DEFINE THE WORK AREA. IDENTIFY AND DEMARK THE LIMITS OF PROJECT GRADING AND MARK TREES AND ANY OTHER VEGETATION TO BE SAVED.
- 5) INSTALL TREE PROTECTION FENCING.
- 6) CLEAR DISTURBED AREAS OF ALL INVASIVE VEGETATION AND ROOTS, BEING CAREFUL NOT TO DAMAGE EXISTING, NATIVE VEGETATION AND TO DISTURB AS LITTLE OF THE TOPSOIL AS FEASIBLE. TARGET SPECIES INCLUDE GARDEN LOOSESTRIPE, HIMALAYAN BLACKBERRY AND REED CANARYGRASS. WHERE APPLICABLE, FOLLOW PROTOCOLS DESCRIBED IN THE SPECIFICATIONS AND SPECIAL PROVISIONS.
- 7) FOLLOWING STORMWATER PIPE AND OUTFALL INSTALLATION AND BACKFILLING, PREPARE THE TRENCH AREA FOR PLANTING:
  - a) DECOMPACT THE TOP 6-INCHES USING A ROTO-TILLER OR SIMILAR METHOD TO ENSURE SOILS ARE SUFFICIENTLY LOOSE FOR PLANT INSTALLATION.
  - b) INCORPORATE 3-INCHES OF **COMPOST** INTO THE TOP 6-INCHES OF SOIL USING A ROTO-TILLER OR SIMILAR METHOD TO ACHIEVE ADEQUATE MIXING OF SOIL AND COMPOST AMENDMENT.
- 7) EVALUATE THE STAGING/WORK AREAS FOR BUFFER DISTURBANCE INCURRED DURING CONSTRUCTION. DETERMINE THE DISTURBED AREA TO BE RESTORED USING THE TYPICAL PLANTING PLANS SHOWN ON SHEET W3.
- 8) TOP-DRESS THE DISTURBED STAGING/WORK AREAS WITH 3-INCHES OF **COMPOST** IN PREPARATION FOR PLANTING.
- 9) INSTALL VEGETATION AS SHOWN IN THE PLANTING PLAN AND PLANTING TYPICAL. THOROUGHLY WATER PLANTS IMMEDIATELY FOLLOWING PLANTING. VEGETATION INSTALLATION SHALL TAKE PLACE DURING THE DORMANT SEASON, OCTOBER 15TH THROUGH MARCH 1ST, FOR BEST SURVIVAL. PLANTING OUTSIDE THIS TIME SHALL BE UNDERTAKEN ONLY IF 1-INCH PER WEEK OF IRRIGATION IS POSSIBLE THROUGH THE SUMMER MONTHS.
- 10) INSTALL A 4-INCH DEEP LAYER OF **WOOD CHIP MULCH** THROUGHOUT THE RESTORATION AREA. MULCH SHOULD NOT COVER PLANTS OR TOUCH THE PLANT STEMS.

**MONITORING METHODS (NOT IN CONTRACT)**

THIS MONITORING PROGRAM IS DESIGNED TO TRACK THE SUCCESS OF THE MITIGATION SITE OVER TIME AND TO MEASURE THE DEGREE TO WHICH IT IS MEETING THE PERFORMANCE STANDARDS. THE MAINTENANCE PROGRAM IS DESIGNED TO PROGRESS THE RESTORATION TOWARDS MEETING STANDARDS BY MAINTAINING PLANT HEALTH, CONTROLLING INVASIVE PLANTS, AND MAXIMIZING GROWTH. UPON COMPLETE INSTALLATION OF THE APPROVED MITIGATION PLAN, AN AS-BUILT REPORT WILL BE PREPARED TO DOCUMENT THE BEGINNING OF THE MONITORING PERIOD AND NOTE ANY ACCEPTED CHANGES TO THE MITIGATION PLAN. THE AS-BUILT PLAN WILL ESTABLISH TRANSECTS, BASELINE PLANT INSTALLATION QUANTITIES, AND PHOTOPOINTS THAT WILL BE USED THROUGHOUT THE MONITORING PERIOD TO MEASURE THE PERFORMANCE STANDARDS. MONITORING IS TYPICALLY CONDUCTED TWICE ANNUALLY FOR FIVE YEARS.

**TRANSECTS (NOT IN CONTRACT)**

DURING THE AS-BUILT INSPECTION, THE RESTORATION SPECIALIST SHALL INSTALL ONE 50-FOOT TRANSECT

THROUGH THE PLANTED TRENCH SECTION. PERCENT COVER DATA SHALL BE RECORDED ALONG ESTABLISHED TRANSECTS USING THE LINE INTERCEPT METHOD. TRANSECTS ARE NOT SUITABLE FOR SMALLER PLANTING MITIGATION AREAS, THEREFORE, AREAS OUTSIDE THE TRENCH SECTION, WILL BE EVALUATED VISUALLY.

**YEARLY MONITORING (NOT IN CONTRACT)**

VEGETATION AND GENERAL SITE MONITORING SHALL TAKE PLACE TWICE ANNUALLY FOR FIVE YEARS. DURING EACH YEAR THERE SHALL BE A SPRING VISIT AND A SUMMER OR EARLY FALL VISIT.

THE SPRING MONITORING VISIT WILL ADDRESS MAINTENANCE NEEDS SUCH AS PLANT REPLACEMENT AND WEEDING. FOLLOWING THE SPRING VISIT, THE RESTORATION SPECIALIST WILL NOTIFY THE CITY AND/OR MAINTENANCE CREWS OF NECESSARY MAINTENANCE. THE SECOND ANNUAL VISIT WILL OCCUR JULY 1ST TO SEPTEMBER 15TH AND WILL RECORD A QUANTITATIVE ASSESSMENT OF THE SITE'S PROGRESS. A REPORT DETAILING THE FINDINGS OF SUMMER VEGETATION MONITORING AND SPRING HYDROLOGY AND SOIL MONITORING WILL BE SUBMITTED ANNUALLY TO THE CITY AND WILL CONTAIN THE FOLLOWING:

- 1) GENERAL SUMMARY OF SITE CONDITIONS.
- 2) COUNTS OF LIVE PLANTS BY SPECIES (YEARS 1 AND 2 ONLY).
- 3) PERCENT COVER OF NATIVE WOODY SPECIES IN THE PLANTED TRENCH AREA, DETERMINED BY USING THE LINE INTERCEPT METHOD ALONG ESTABLISHED TRANSECTS OR VISUAL COVER CLASS METHOD OUTSIDE THE TRENCH.
- 4) PERCENT COVER OF INVASIVE SPECIES USING THE LINE INTERCEPT METHOD ALONG ESTABLISHED TRANSECTS IN THE PLANTED TRENCH AREA OR VISUAL COVER CLASS METHOD OUTSIDE THE TRENCH.
- 5) NOTES OF INVASIVE WEEDS OUTSIDE OF ESTABLISHED TRANSECTS.
- 6) PHOTOGRAPHIC DOCUMENTATION FROM ESTABLISHED PHOTO-POINTS AND TRANSECT ENDS.
- 7) INTRUSIONS INTO THE PLANTING AREAS, VANDALISM OR OTHER ACTIONS THAT IMPAIR THE INTENDED FUNCTIONS OF THE MITIGATION AREAS.
- 8) RECOMMENDATIONS FOR MAINTENANCE OR REPAIR IN THE RESTORATION AREA.

**PLANT ESTABLISHMENT PERIOD (NOT IN CONTRACT)**

THE PLANT ESTABLISHMENT PERIOD SHALL BEGIN AT FINAL ACCEPTANCE AND CONTINUE FOR A PERIOD OF ONE YEAR. DURING THAT TIME THE CONTRACTOR SHALL:

- 1. WARRANTY ALL PLANT MATERIAL DURING THE PLANT ESTABLISHMENT PERIOD AND PROVIDE REPLACEMENT MATERIAL DURING THE FOLLOWING DORMANT SEASON, OCTOBER 15TH - MARCH 1ST.
- 2. CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL INCLUDING BY WEEDING, WATERING AND REFRESHING MULCH AS NEEDED.
  - a) GENERAL WORK FOR ALL PLANTED AREAS:
    - i. REMOVE ALL GARDEN LOOSESTRIPE, HIMALAYAN BLACKBERRY AND REED CANARYGRASS OR OTHER INVASIVE PLANTS LISTED BY THE WASHINGTON STATE NOXIOUS WEED BOARD AS CLASS A, B, OR C FROM THE PLANTED AREAS. AT LEAST TWICE YEARLY, REMOVE ALL COMPETING WEEDS AND WEED ROOTS FROM BENEATH EACH INSTALLED PLANT TO A DISTANCE OF 18 INCHES FROM THE MAIN PLANT STEM. WEEDING SHOULD OCCUR IN THE SPRING AND SUMMER.
    - ii. MORE FREQUENT WEEDING MAY BE NECESSARY DEPENDING ON WEED CONDITIONS THAT DEVELOP.
    - iii. DO NOT WEED THE AREA NEAR PLANT BASES WITH STRING TRIMMER. NATIVE PLANTS ARE EASILY DAMAGED OR KILLED AND WEEDS RECOVER AFTER TRIMMING.
  - b) WATERING: THE CONTRACTOR SHALL ENSURE SUFFICIENT WATER IS PROVIDED FOR ALL MITIGATION PLANTING AREAS TO ENSURE ADEQUATE SURVIVAL, GROWTH AND ESTABLISHMENT.
  - c) MULCH: REFRESH WOOD CHIP MULCH TO ENSURE A 4-INCH DEPTH OF MULCH EXISTS AS SPECIFIED IN ITEM 12 OF THE WORK SEQUENCE ABOVE.

**MONITORING PERIOD - MAINTENANCE FOR YEARS 2-5 (NOT IN CONTRACT)**

THE SITE WILL BE MAINTAINED FOR FIVE YEARS FOLLOWING INSTALLATION.

- 1) REPLACE EACH PLANT FOUND DEAD IN YEAR 1.
- 2) REMOVE ALL COMPETING WEEDS FROM AROUND THE BASE OF INSTALLED PLANTS TO A MINIMUM OF 12 INCHES FROM THE PLANT STEMS OR TO THE DRIPLINE, WHICHEVER IS GREATER.
- 3) REMOVE ALL GARDEN LOOSESTRIPE, HIMALAYAN BLACKBERRY AND REED CANARYGRASS OR OTHER INVASIVE PLANTS LISTED BY THE WASHINGTON STATE NOXIOUS WEED BOARD AS CLASS A, B, OR C FROM THE PLANTED AREAS. WEEDING SHALL TAKE PLACE A MINIMUM OF TWICE PER YEAR. MORE FREQUENT WEEDING MAY BE NECESSARY BASED ON MONITORING REPORTS. WEEDING SHOULD OCCUR BY HAND, BEING CAREFUL TO GRUB OUT ROOTS. MECHANICAL MEANS, SUCH AS STRING TRIMMERS, SHOULD NOT BE USED, AS THESE CAN DAMAGE THE STEMS OF INSTALLED PLANTINGS. IF HAND REMOVAL IS NOT SUCCESSFUL, AN HERBICIDE APPROVED FOR USE IN AQUATIC AREAS MAY BE USED. APPLICATION SHOULD BE BY A TARGETED METHOD, SUCH AS SPOT SPRAY (PREFERRED FOR HIMALAYAN BLACKBERRY) OR WICK.
- 4) HAND WATER AS NECESSARY DURING HOT SUMMER MONTHS.
- 5) APPLY **FERTILIZER** YEARLY (YEARS 2-5). FERTILIZER SHALL BE SLOW RELEASE, GRANULAR AND PHOSPHORUS-FREE. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR APPLICATION.
- 6) REFRESH MULCH RINGS AS NECESSARY TO MAINTAIN A FOUR-INCH THICK LAYER IN THE MITIGATION AREAS. DO NOT MULCH EMERGENT VEGETATION.
- 7) REMOVE ANY TRASH AND DEBRIS FROM THE PLANTING AREAS.

**MATERIAL SPECIFICATIONS AND DEFINITIONS**

- 1) **WOOD CHIP MULCH:** MULCH SHALL MEET THE WSDOT SPECIFICATION 9-14.4(3) AND SHALL CONSIST OF "ARBORIST CHIPS" (CHIPPED WOODY MATERIAL), APPROXIMATELY ONE TO THREE INCHES IN MAXIMUM DIMENSION (NOT SAWDUST OR HOG FUEL). THIS MATERIAL IS ONLY AVAILABLE IN LARGE QUANTITIES FROM ARBORISTS OR TREE-PRUNING COMPANIES. MULCH SHALL NOT CONTAIN APPRECIABLE QUANTITIES OF GARBAGE, PLASTIC, METAL, SOIL, AND DIMENSIONAL LUMBER OR CONSTRUCTION/DEMOLITION DEBRIS.
- 2) **FERTILIZER:** SLOW RELEASE, GRANULAR FERTILIZER OR EQUAL PHOSPHORUS-FREE PRODUCT. MOST RETAIL NURSERIES CARRY THIS PRODUCT. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR APPLICATION. KEEP FERTILIZER IN A WEATHER-TIGHT CONTAINER WHILE ON SITE. NOTE THAT FERTILIZERS TO BE APPLIED ONLY IN YEARS 2 THROUGH 5, NOT IN YEAR 1.
- 3) **COMPOST:** COMPOST SOIL AMENDMENT SHALL MEET WSDOT SPECIFICATION 9-14.4(8) FOR FINE COMPOST.
- 4) **RESTORATION SPECIALIST:** WATERSHED COMPANY PERSONNEL, OR OTHER PERSONS QUALIFIED TO EVALUATE ENVIRONMENTAL RESTORATION PROJECTS.

ITEMS TO BE CONSTRUCTED UNDER SEPARATE CONTRACT

**RESTORATION PLAN NOTES**



750 Sixth Street South  
Kirkland WA 98033

p 425.822.5242  
www.watershedco.com

Science & Design

**INGLEWOOD NEIGHBORHOOD DRAINAGE RESTORATION PLAN**

PREPARED FOR: OSBORN CONSULTING INC.  
PARCELS 3575300175, 3575300170, 3575300165  
EAST LAKE SAMMAMISH PKWY NE  
SAMMAMISH, WA

| NO. | DATE     | DESCRIPTION            | BY  |    |
|-----|----------|------------------------|-----|----|
|     |          |                        | CL  | CL |
| 1   | 5-28-15  | REVIEW SET             | CL  | CL |
| 2   | 10-27-15 | ADDED NOTE ON SHEET W2 | CL  | CL |
| 3   | 12-28-15 | 90% PS+E               | KMB |    |

**SHEET SIZE:**  
ORIGINAL PLAN IS 22" x 34".  
SCALE ACCORDINGLY.

PROJECT MANAGER: HM  
DESIGNED: CL/HM  
DRAFTED: CL/KMB  
CHECKED: HM/AR

JOB NUMBER:  
**140311**  
SHEET NUMBER:  
89 OF 89  
SHEET OF