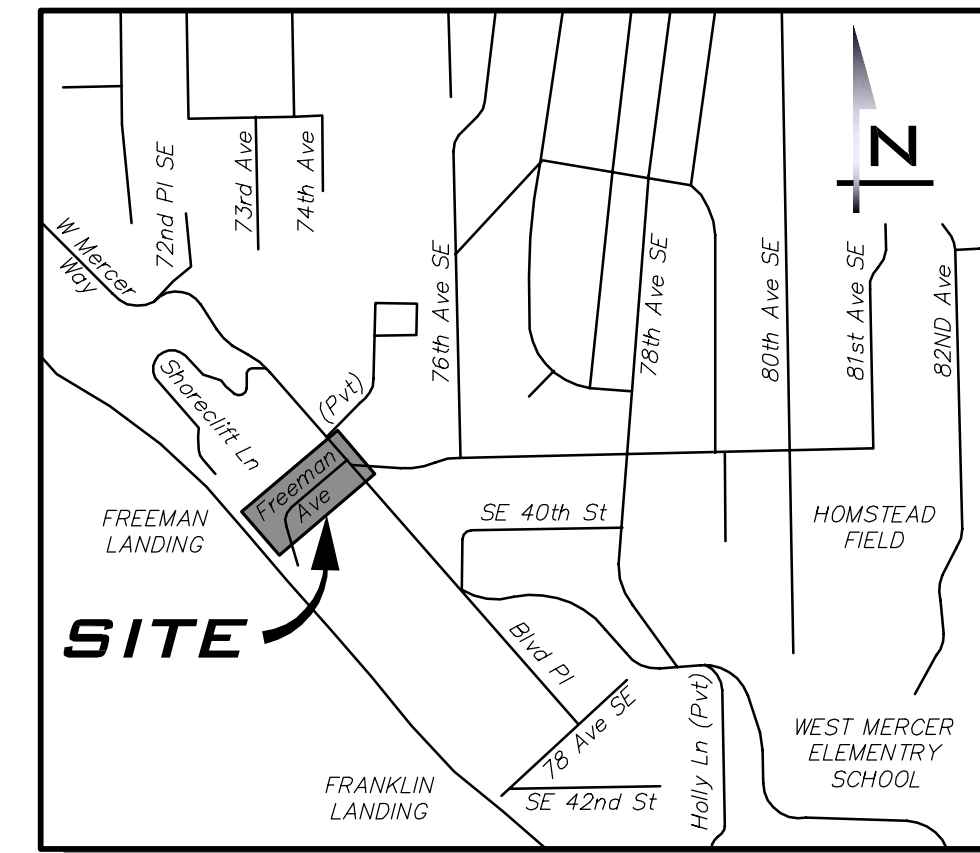


1	CV-01	COVER SHEET
2	GN-01	GENERAL NOTES, TESC NOTES, & LEGEND
3	TP-01	CLEARING & TESC PLAN
4	AL-01	ALIGNMENT PLAN
5	RS-01	ROAD & STORM DRAINAGE PLAN
6	RP-01	ROAD & STORM DRAINAGE PROFILE
7	SD-01	ROAD & STORM DRAINAGE DETAILS



VICINITY MAP
NOT TO SCALE

CITY OF MERCER ISLAND
9611 SE 36TH ST
MERCER ISLAND, WA 98040
(206) 275-7807 OR (206) 999-8041
CONTACT: CLINT MORRIS

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



SCALE:
AS NOTED

PROJECT MANAGER:
KEN M. LAUZEN, PE

PROJECT ENGINEER:
JASON S. McARDEL, PE

DESIGNER:
CAROL DOGGETT

ISSUE DATE:
9/22/2017

[illegible]

COVER SHEET



9/22/17

JOB NUMBER:

17-125

SHEET NAME:

SHT 1 OF 7

SURVEY NOTES

UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON ASBUILT FIELD LOCATION OF EXISTING STRUCTURES. FIELD LOCATION OF UTILITIES BASED ON LOCATOR PAINT MARKINGS AND LOCATIONS BASED ON UTILITY MAPS FROM CITY AND UTILITY PURVEYOR'S DRAWINGS.

SANITARY SEWER AND STORM DRAINAGE FACILITIES HAVE BEEN ASBUILT THROUGH FIELD MEASUREMENTS OF THE LOCATION OF THE ACCESS STRUCTURES, THE TOP ELEVATION OF THE STRUCTURES, AND THE INVERT ELEVATIONS OF ANY PIPES ENTERING OR LEAVING THE STRUCTURES. IT IS STANDARD PRACTICE TO SHOW THE PIPES CONNECTING THESE STRUCTURES AS STRAIGHT LINES. THIS IS ONLY AN ASSUMPTION AND THE ACTUAL LOCATION OF THE PIPING MUST BE VERIFIED IN THE FIELD BY THE CONSTRUCTION CONTRACTOR PRIOR TO ANY CONSTRUCTION.

PRIMARY CONTROL POINTS AND ACCESSIBLE MONUMENT POSITIONS WERE FIELD MEASURED UTILIZING GLOBAL POSITIONING SYSTEM (GPS) SURVEY TECHNIQUES USING LEICA GS14 GPS/GNSS EQUIPMENT. MONUMENT POSITIONS THAT WERE NOT DIRECTLY OBSERVED USING GPS SURVEY TECHNIQUES WERE TIED INTO THE CONTROL POINTS UTILIZING LEICA ELECTRONIC 1201 TOTAL STATIONS FOR THE MEASUREMENT OF BOTH ANGLES AND DISTANCES. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS SET BY WACS 332-130-080/090.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS

OF A SURVEY COMPLETED ON JULY 12, 2017 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN COMPILED FROM VARIOUS PUBLIC SOURCES AND HAVE NOT BEEN ESTABLISHED BY FIELD SURVEY. THEY ARE SHOWN HEREON TO AID IN THE INTERPRETATION OF THE MAP AND SHOULD NOT BE RELIED UPON AS A BOUNDARY SURVEY.

HORIZONTAL DATUM

HORIZONTAL DATUM/VERTICAL DATUM:
NAD '83/'91 GPS (HORIZONTAL) AND NAVD '88 (VERTICAL) PER CITY OF MERCER ISLAND CONTROL POINT #7999
FOUND PUNCHMARK IN 2" BRASS DISC IN 4"x4" CONCRETE MONUMENT IN CASE BENCHMARK:

CITY OF MERCER ISLAND CONTROL POINT #7999
ELEVATION: 144.32'

TEMPORARY BENCHMARK:
TBM 'A'

SET R.R. SPIKE IN THE SOUTH FACE OF UTILITY POLE #221278/165332 AT THE NORTH SIDE OF THE INTERSECTION WITH FREEMAN & W. MERCER WAY
ELEVATION: 146.45'

TBM 'B'

SET R.R. SPIKE IN THE NORTHEAST FACE OF UTILITY POLE ON THE WEST SIDE OF FREEMAN ROAD AT THE P.C. OF THE CURVE

ELEVATION: 96.20'

STORM DRAINAGE NOTES

- A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- BEFORE ANY CONSTRUCTION MAY OCCUR, THE CONTRACTOR SHALL HAVE OBTAINED ALL CITY, COUNTY, STATE, FEDERAL AND OTHER REQUIRED PERMITS, AND HAVE POSTED ALL REQUIRED BONDS.
- ALL STORM DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE 2014 EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED BY WSDOT AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
- ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL. ALL CHANGES SHALL BE SUBMITTED TO THE CITY.
- A COPY OF THE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- CONSTRUCTION OF DEWATERING (GROUNDWATER) SYSTEMS SHALL BE IN ACCORDANCE WITH THE APWA STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CONFINED SPACE PROTECTION, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE A TRAFFIC CONTROL PLAN APPROVED BY THE CITY OF MERCER ISLAND. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS, TRAFFIC CONTROL, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY.
- APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITY LOCATIONS WHETHER OR NOT THESE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXERCISE ALL CARE TO AVOID DAMAGE TO ANY UTILITY. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION INSPECTOR AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE CITY PROJECT ENGINEER PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT.
- THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION, CALL 8-1-1. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS, WIDTHS, THICKNESSES, AND ELEVATIONS OF ALL EXISTING PAVEMENTS AND STRUCTURES THAT ARE TO INTERFACE WITH NEW WORK. PROVIDE ALL TRIMMING, CUTTING, SAW CUTTING, GRADING, LEVELING, SLOPING, COATING, AND OTHER WORK, INCLUDING MATERIALS AS NECESSARY, TO CAUSE THE INTERFACE WITH EXISTING WORKS TO BE PROPER, ACCEPTABLE TO THE ENGINEER AND THE CITY OF MERCER ISLAND, COMPLETE IN PLACE AND READY TO USE.
- ALL DAMAGES INCURRED TO PUBLIC AND/OR PRIVATE PROPERTY BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPAIRED TO THE SATISFACTION OF THE CITY CONSTRUCTION INSPECTOR BEFORE PROJECT APPROVAL AND/OR THE RELEASE OF THE PROJECT'S PERFORMANCE BOND.

EROSION / SEDIMENTATION

CONTROL - PLAN NOTES

- THE APPROVED CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS:
 - CONDUCT PRE-CONSTRUCTION MEETING.
 - POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR.
 - FLAG OR FENCE CLEARING LIMITS.
 - INSTALL CATCH BASIN PROTECTION.
 - INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
 - INSTALL PERMANENT IMPROVEMENTS PER PLANS.
 - RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL SHALL ALWAYS BE IN ACCORDANCE WITH THE CITY TESC MINIMUM REQUIREMENTS.
 - COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT.
 - STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS.
 - UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED AS APPROPRIATE.
- APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE SET BY SURVEY AND CLEARLY FLAGGED IN THE FIELD BY A CLEARING CONTROL FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE OR REMOVAL OF ANY GROUND COVER BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY CONSTRUCTION ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
- THE ESC FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR DAILY DURING NON-RAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING A RAINFALL EVENT, AND AT THE END OF EVERY RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES.

APRIL 1 TO OCTOBER 31 - SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING.
NOVEMBER 1 TO MARCH 31 - SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING.
- WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2".
- THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER AND THE CITY OF MERCER ISLAND INSPECTOR.
- A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A FOUR-FOOT HIGH ORANGE MESH FENCE.
- OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT.
- ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION. CATCH BASINS DIRECTLY DOWNSTREAM OR ANY OTHER CATCH BASIN AS DETERMINED BY THE CITY INSPECTOR SHALL BE PROTECTED WITH A "FILTER FABRIC SOCK" OR EQUIVALENT.
- IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY.
- ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.
- DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.

LEGEND

PROPOSED FEATURES

—

CURB FLOWLINE

—

SIDEWALK

—

CENTER LINE

SAWCUT

EASEMENT

---120---

10' PROPOSED CONTOURS

---118---

2' PROPOSED CONTOURS

■

MAILBOX

⊠

SIGN

▨

GRAVEL

■

ASPHALT PAVEMENT

■

CONCRETE

PROPOSED STORM DRAINAGE

—

STORM DRAIN PIPE

ROOF & FOOTING DRAIN

EXISTING FEATURES

—

ADJACENT PLAT/PARCEL LINE

—

ADJACENT RIGHT-OF-WAY

—

CENTERLINE

EASEMENT

SURFACE FEATURES

BUILDING FOOTPRINT

---100---

10' CONTOURS

---102---

2' CONTOURS

—SD—

STORM DRAIN PIPE

—SS—

SEWER MAIN

—W—

WATER MAIN

—P—

BURIED POWER LINE

—G—

GAS MAIN

—C—

BURIED CABLE

—T—

BURIED TELEPHONE LINE

—OHP—

AERIAL POWER/TELEPHONE

—X—

FENCE

=====

RETAINING WALL

○

CATCH BASIN, TYPE I

⊕

CATCH BASIN, TYPE II

△

SD PIPE FLOW

○

STORM CLEANOUT

○

SEWER MANHOLE

△

SS PIPE FLOW

⊗

STREET LIGHT W/ UNDERGROUND CONDUIT

⊕

POWER POLE W/ TRANSFORMER & UNDERGROUND CONDUIT

⊖

POWER POLE W/ TRANSFORMER

⊗

WATER METER

⊗

GATE VALVE

⊕

SPRINKLER HEAD

⊗

HOSE BIB

⊗

GUY ANCHOR

⊗

POLE LIGHT

⊗

POWER METER

⊗

TELECOMM RISER

⊗

MAIL BOX

⊗

SIGN

⊗

CONIFEROUS TREE

⊗

DECIDUOUS TREE

■

ASPHALT

■

CONCRETE

▨

GRAVEL

UNDERGROUND UTILITY NOTE

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25 CENTRAL WAY, SUITE 400, KIRKLAND, WA 98033

WWW.BLUELINEGROUP.COM

BLUELINE

SCALE:
AS NOTED

PROJECT MANAGER:
KEN M. LAUZEN, PE

PROJECT ENGINEER:
JASON S. McARDEL, PE

DESIGNER:
CAROL DOGGETT

ISSUE DATE:
9/22/2017

REVISIONS	NO	DATE	BY							

GENERAL NOTES, TESC
NOTES, & LEGEND

FREEMAN AVE ROADWAY
RECONSTRUCTION PLANS

CITY OF MERCER ISLAND WASHINGTON

KENNETH M. LAUZEN
PE
36914
REGISTERED
PROFESSIONAL ENGINEER

9/22/17

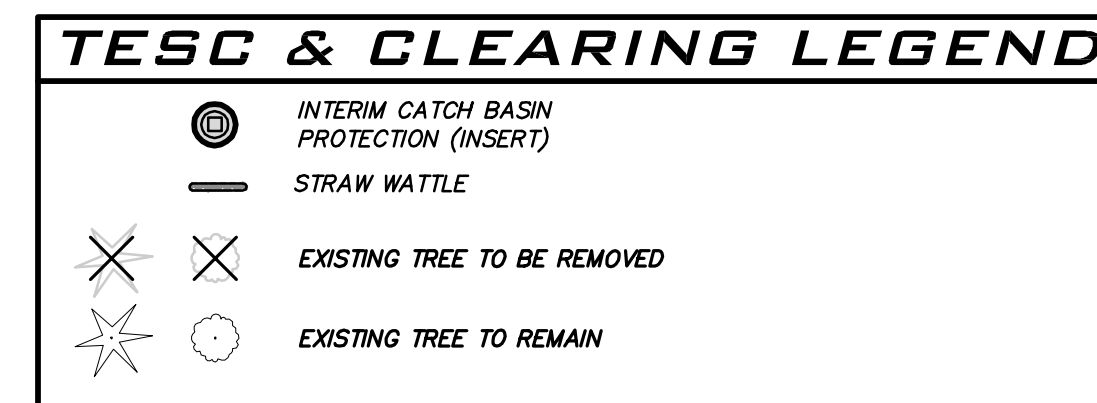
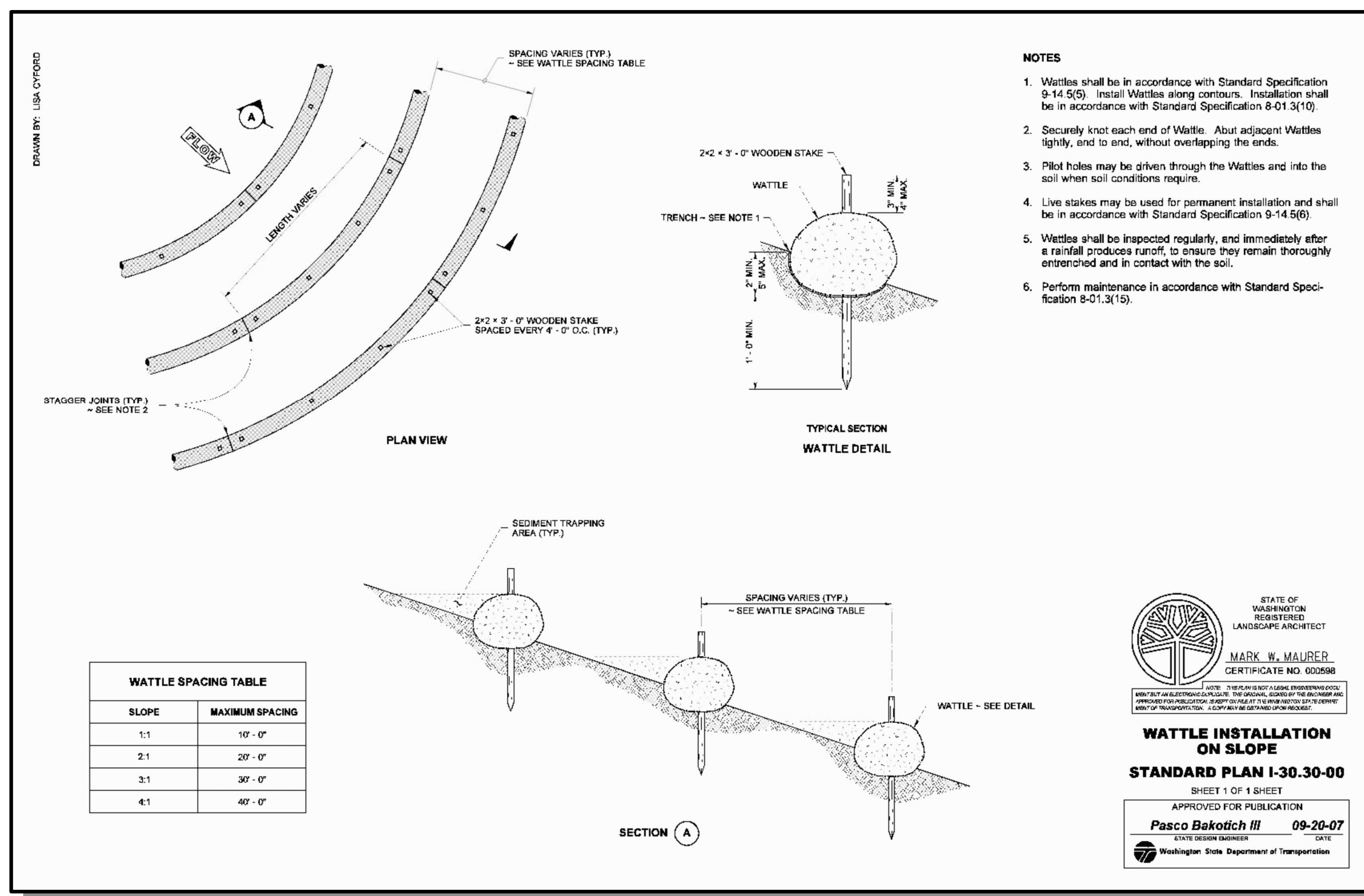
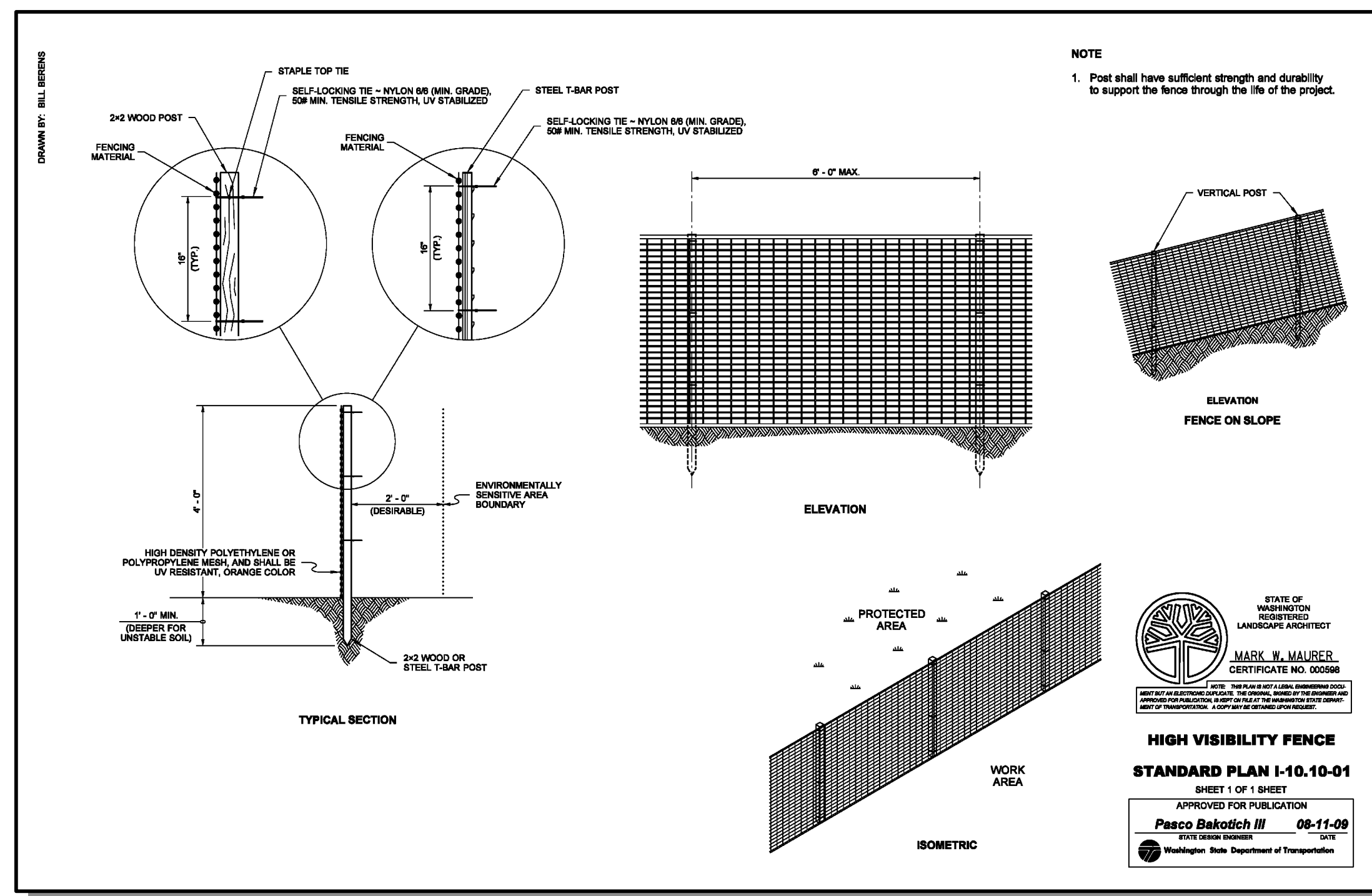
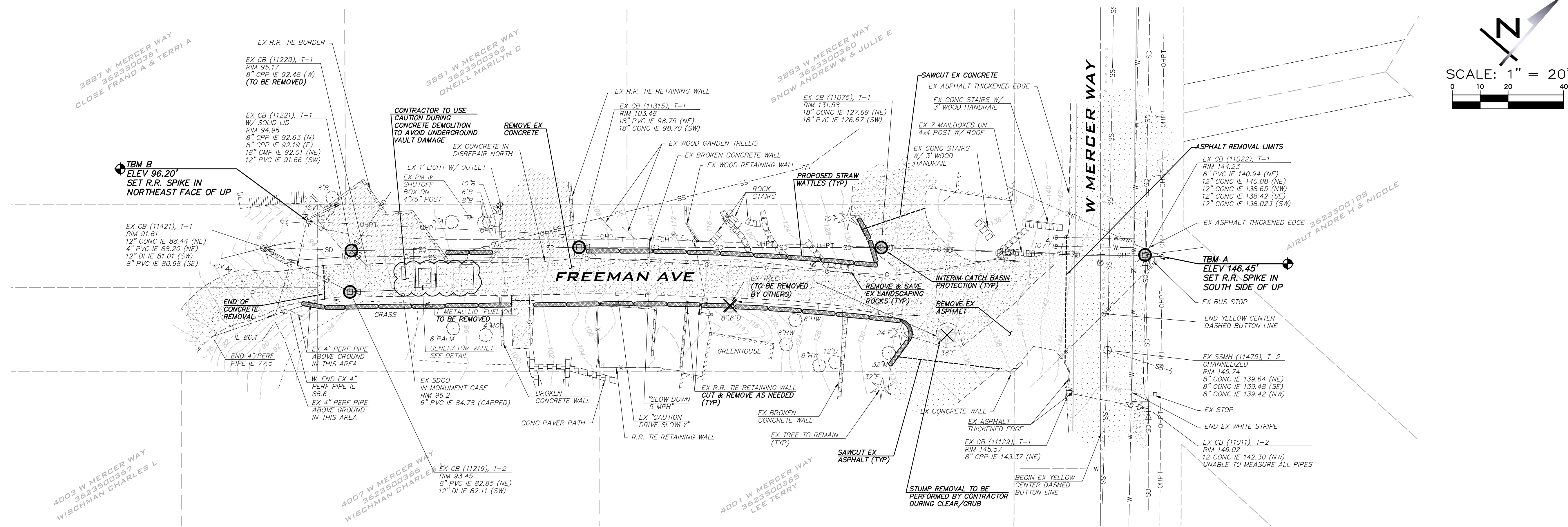
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17-125

SHEET NAME:
GN-01

SHT 2 OF 7

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UNDERGROUND UTILITY NOTE

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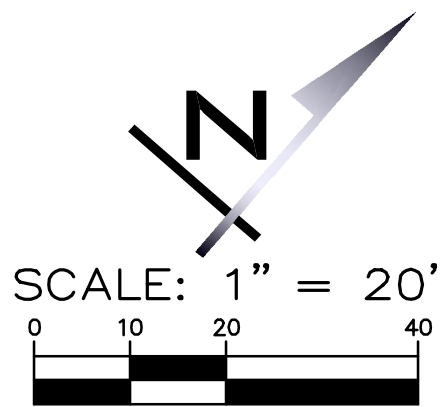
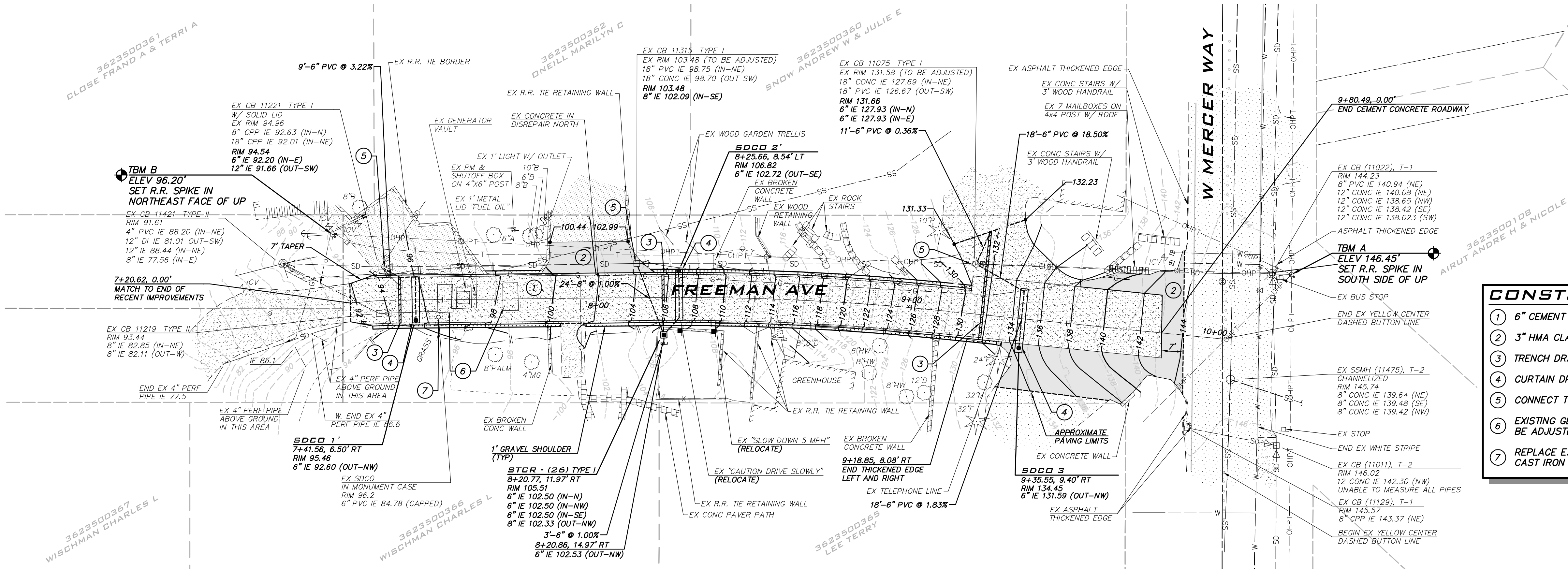
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SHEET NAME:
AL-01

SHT **4** OF **7**

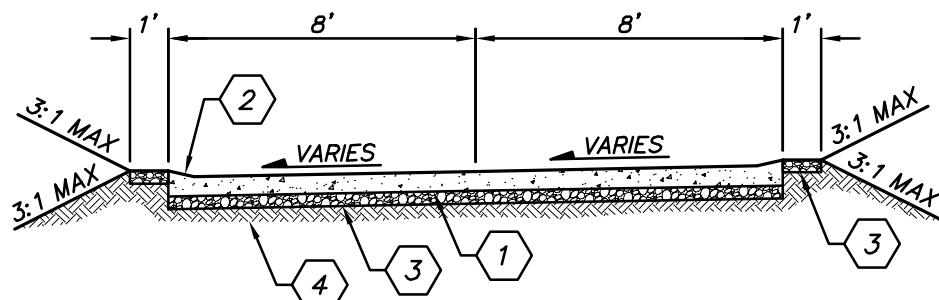
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- CONSTRUCTION NOTES**
- 6" CEMENT CONCRETE PAVEMENT
 - 3" HMA CLASS B PAVEMENT OVER 5" MIN CSBC
 - TRENCH DRAIN PER DETAIL THIS SHEET
 - CURTAIN DRAIN PER DETAIL THIS SHEET
 - CONNECT TO EXISTING CATCH BASIN
 - EXISTING GENERATOR INLET / EXHAUST LID TO BE ADJUSTED TO FINISHED GRADE
 - REPLACE EXISTING MONUMENT CASE WITH NEW CAST IRON STORM DRAIN CLEANOUT

RECOMMENDED CONSTRUCTION SEQUENCE

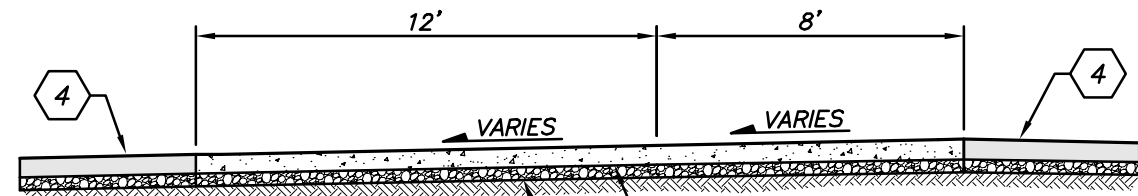
- PRE-CONSTRUCTION CONFERENCE SHALL BE CONDUCTED PRIOR TO START OF WORK.
- INSTALL TESC MEASURES.
- INSTALL STORM DRAIN IMPROVEMENTS.
- PERFORM CLEARING AND GRUBBING.
- DEMO AND REMOVE EXISTING CONCRETE. CONTRACTOR SHALL NOT BLOCK DRIVEWAY ACCESS FOR MORE THAN 10 MINUTES AND SHALL RESTORE ACCESS AT END OF EACH WORK DAY DURING DEMOLITION PERIOD.
- PERFORM VAULT LID REPLACEMENT / ADJUSTMENT.
- PREP GRADE ON ONE SIDE OF ROAD.
- POUR CEMENT CONCRETE ROAD ON ONE SIDE, KEEPING ACCESS IN THE OPPOSITE LANE. CONTRACTOR SHALL PROVIDE TEMPORARY CSTC / STEEL PLATE RAMPS AS NEEDED TO RESTORE DRIVEWAY ACCESS.
- OPEN CONCRETE LANE TO TRAFFIC AFTER CONCRETE ATTAINS A MINIMUM OF 2,500 PSI IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 5-05.3(17).
- GRADE AND POUR OPPOSITE LANE PER STEPS 7-9.
- POUR CONCRETE DRIVEWAY TO RESIDENCE AT 3883 W MERCER WAY, KEEPING HALF OF DRIVEWAY OPEN.
- PERFORM REMAINING SITE WORK INCLUDING HMA PAVING AND PROPERTY RESTORATION.



**FREEMAN AVENUE
STA 7+20 TO 9+18.85**

NOT TO SCALE

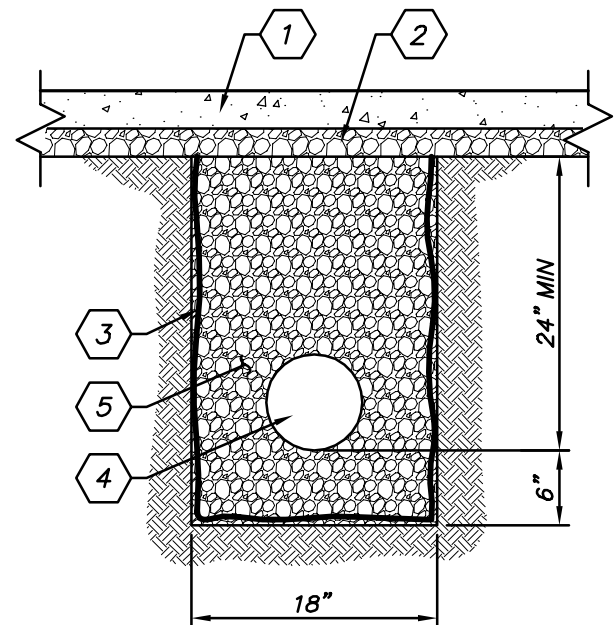
- 6" CEMENT CONCRETE PAVEMENT
- 2" HIGH x 8" WIDE THICKENED EDGE
- 4" CRUSHED SURFACING BASE COURSE
- NATIVE MATERIAL COMPACTED TO 95% PER ASTM D1557
- CRUSHED SURFACING TOP COURSE OR LANDSCAPE RESTORATION, AS DIRECTED BY ENGINEER



**FREEMAN AVENUE
STA 9+18.85 TO 9+89.5**

NOT TO SCALE

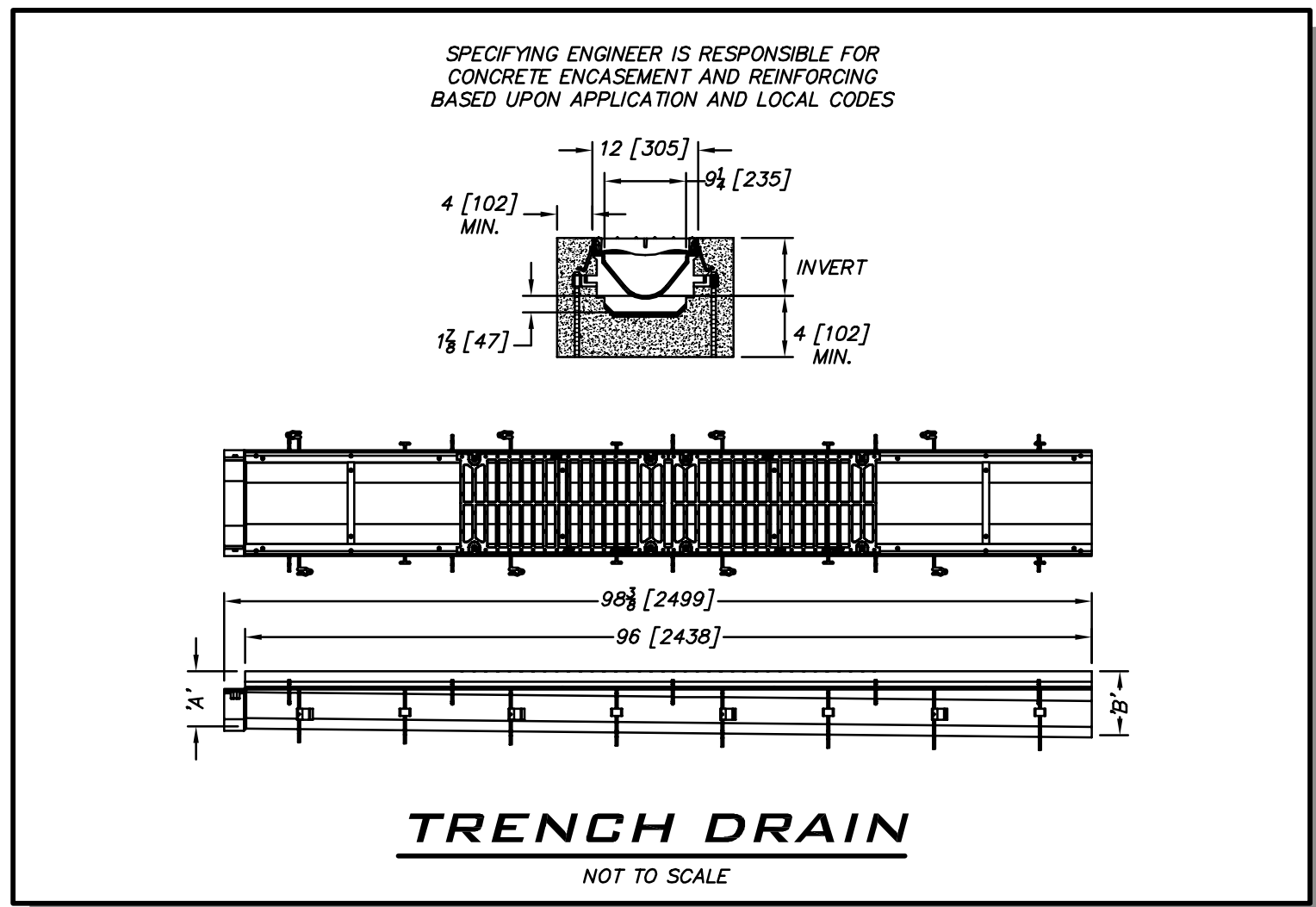
- 6" CEMENT CONCRETE PAVEMENT
- 4" CRUSHED SURFACING BASE COURSE
- NATIVE MATERIAL COMPACTED TO 95% PER ASTM D1557
- SHOULDER PAVING PER PLAN



CURTAIN DRAIN

NOT TO SCALE

- 6" CEMENT CONCRETE PAVEMENT
- 4" CRUSHED SURFACING BASE COURSE
- MIRAFI 140N FILTER FABRIC (OR APPROVED EQUAL) ALONG SIDES AND BOTTOM OF TRENCH
- 6" PERFORATED PVC PIPE
- PERMEABLE BALLAST



TRENCH DRAIN

NOT TO SCALE

UNDERGROUND UTILITY NOTE

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ROAD & STORM DRAINAGE
PLAN
**FREEMAN AVE ROADWAY
RECONSTRUCTION PLANS**
CITY OF MERCER ISLAND WASHINGTON



9/22/17

JOB NUMBER:

17-125

SHEET NAME:

RS-01

SHT **5** OF **7**

ISSUE DATE:
9/22/2017

[illegible]

**ROAD & STORM DRAINAGE
PROFILE**

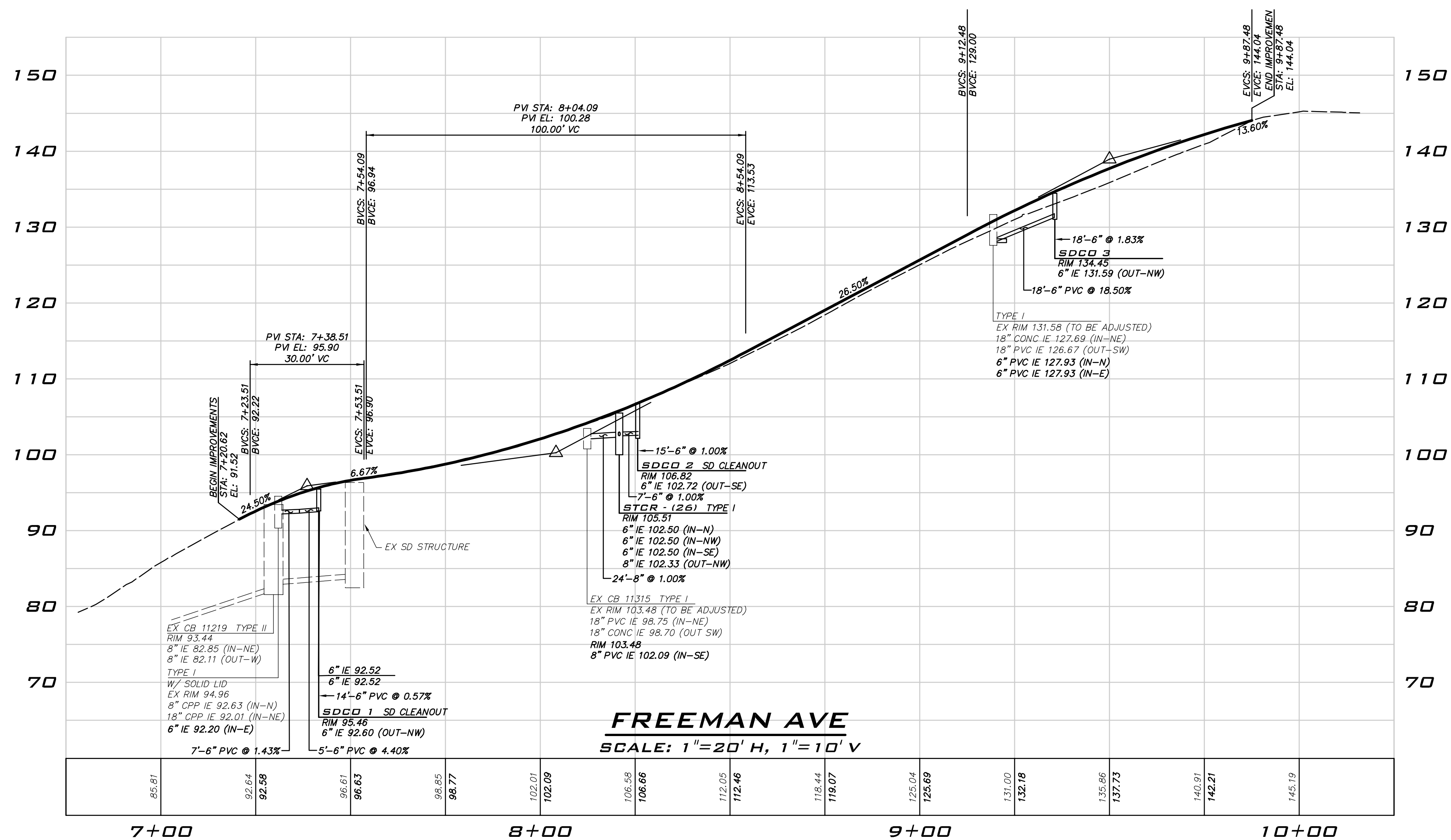
**FREEMAN AVE ROADWAY
RECONSTRUCTION PLANS**

CITY OF MERCER ISLAND WASHINGTON



SHT **6** OF **7**

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



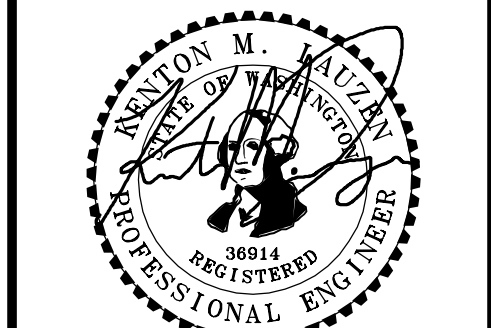
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**ROAD & STORM DRAINAGE
DETAILS**

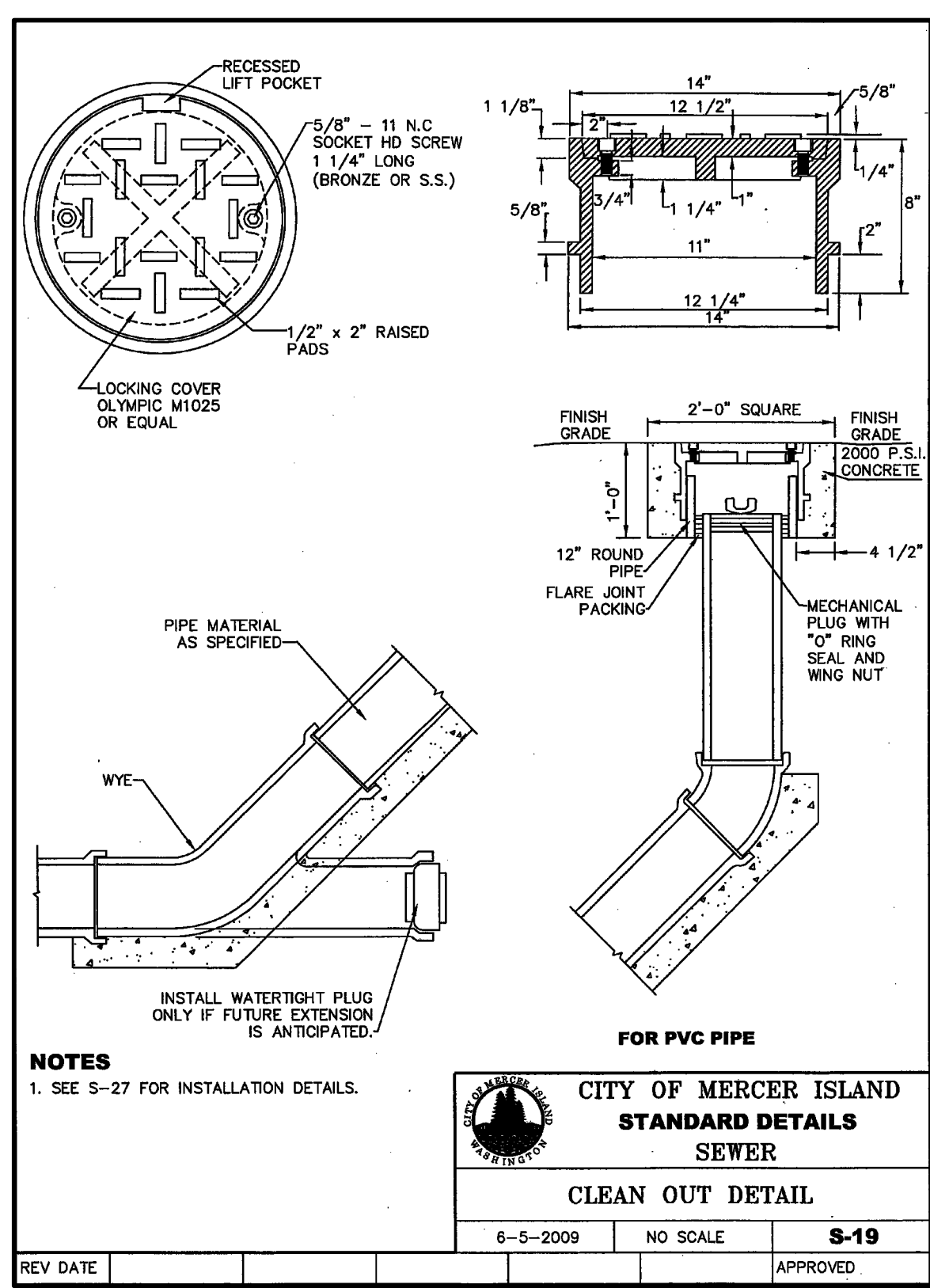
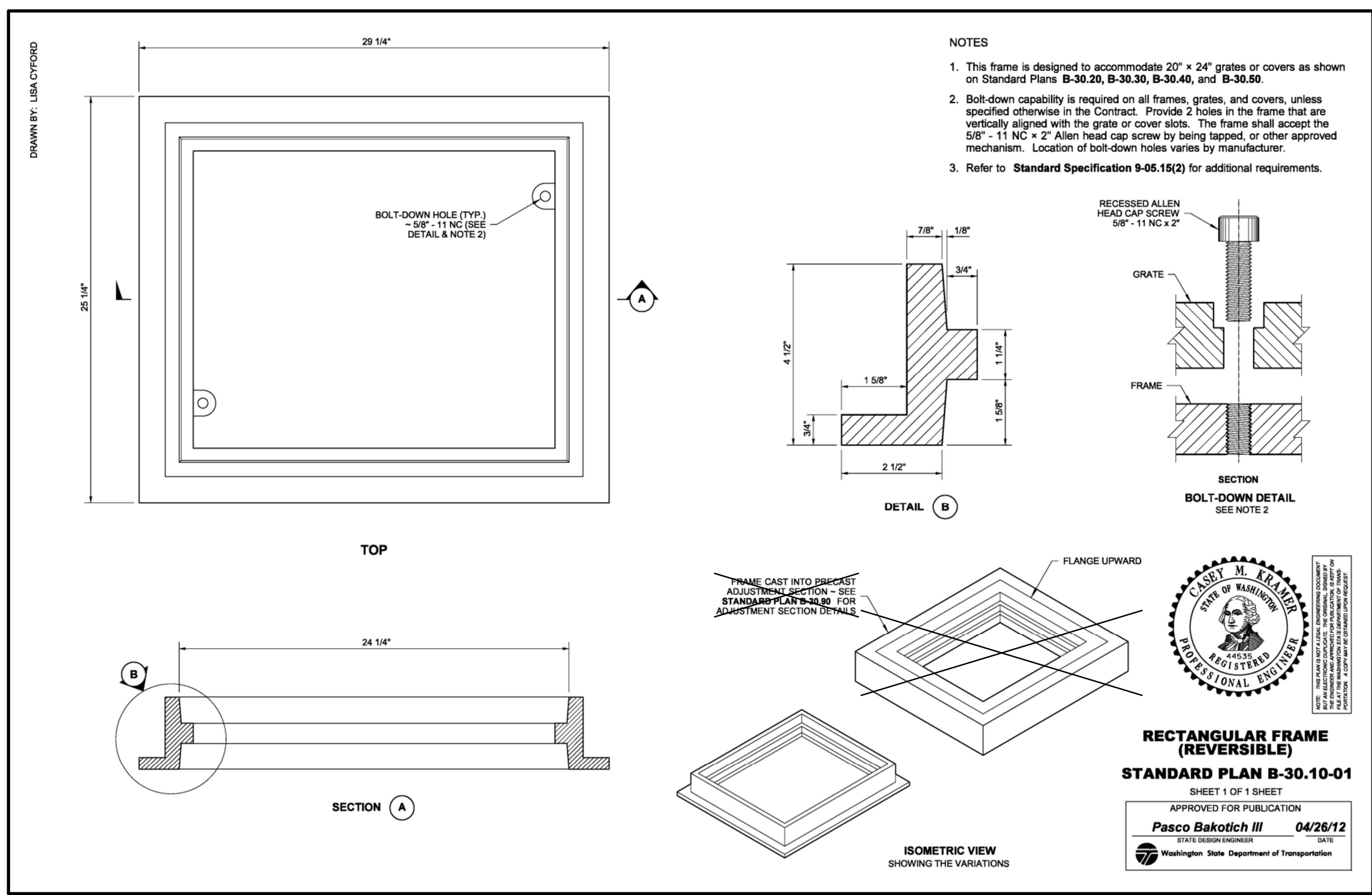
**FREEMAN AVE ROADWAY
RECONSTRUCTION PLANS**

CITY OF MERCER ISLAND WASHINGTON



SHEET NAME:
RD-01

SHT 7 OF 7



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