

DUNCANSON
Company, Inc.

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NELSON
DEVELOPMENT
P.O. BOX 1301
SEAHURST, WA 98062-1301

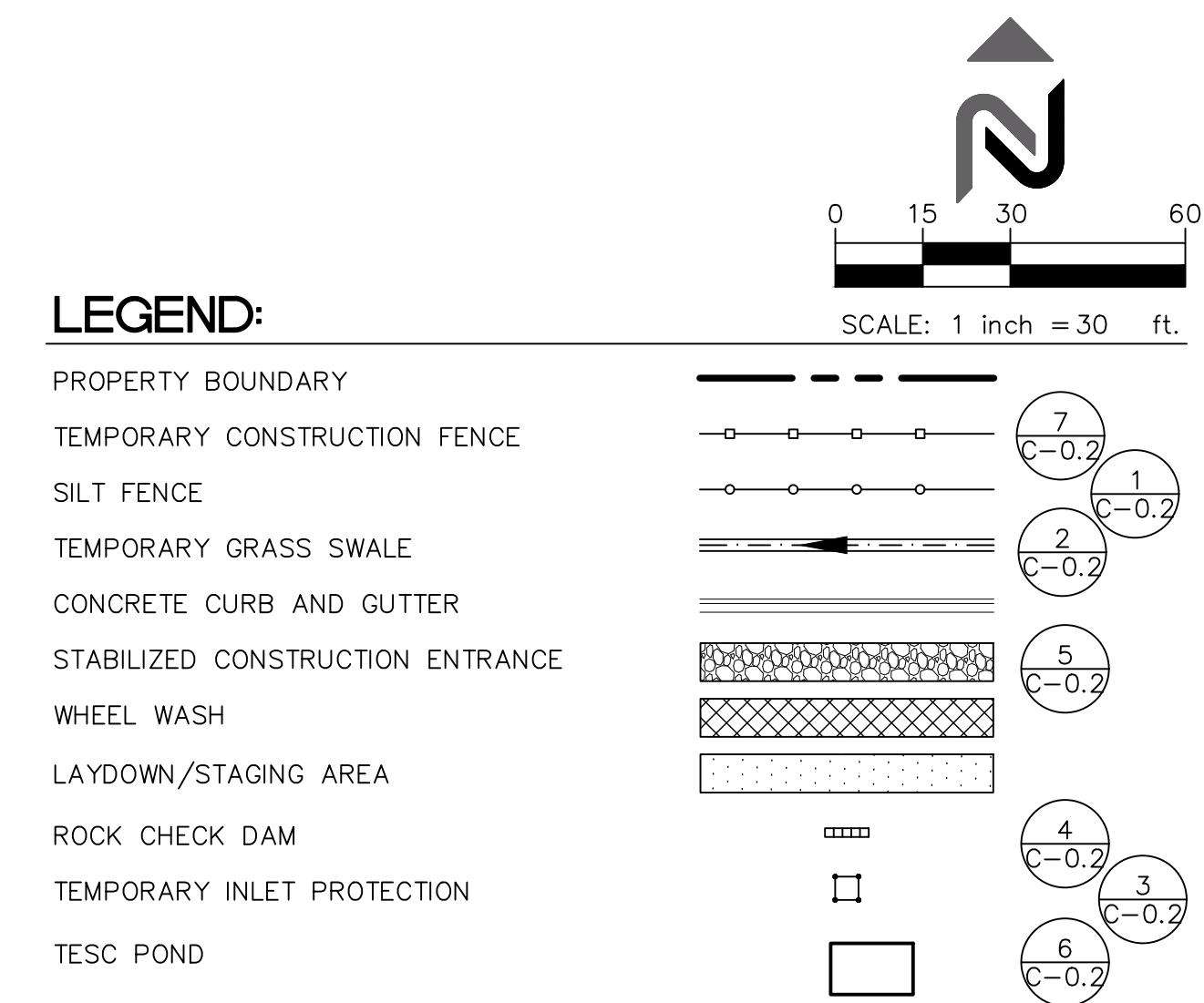
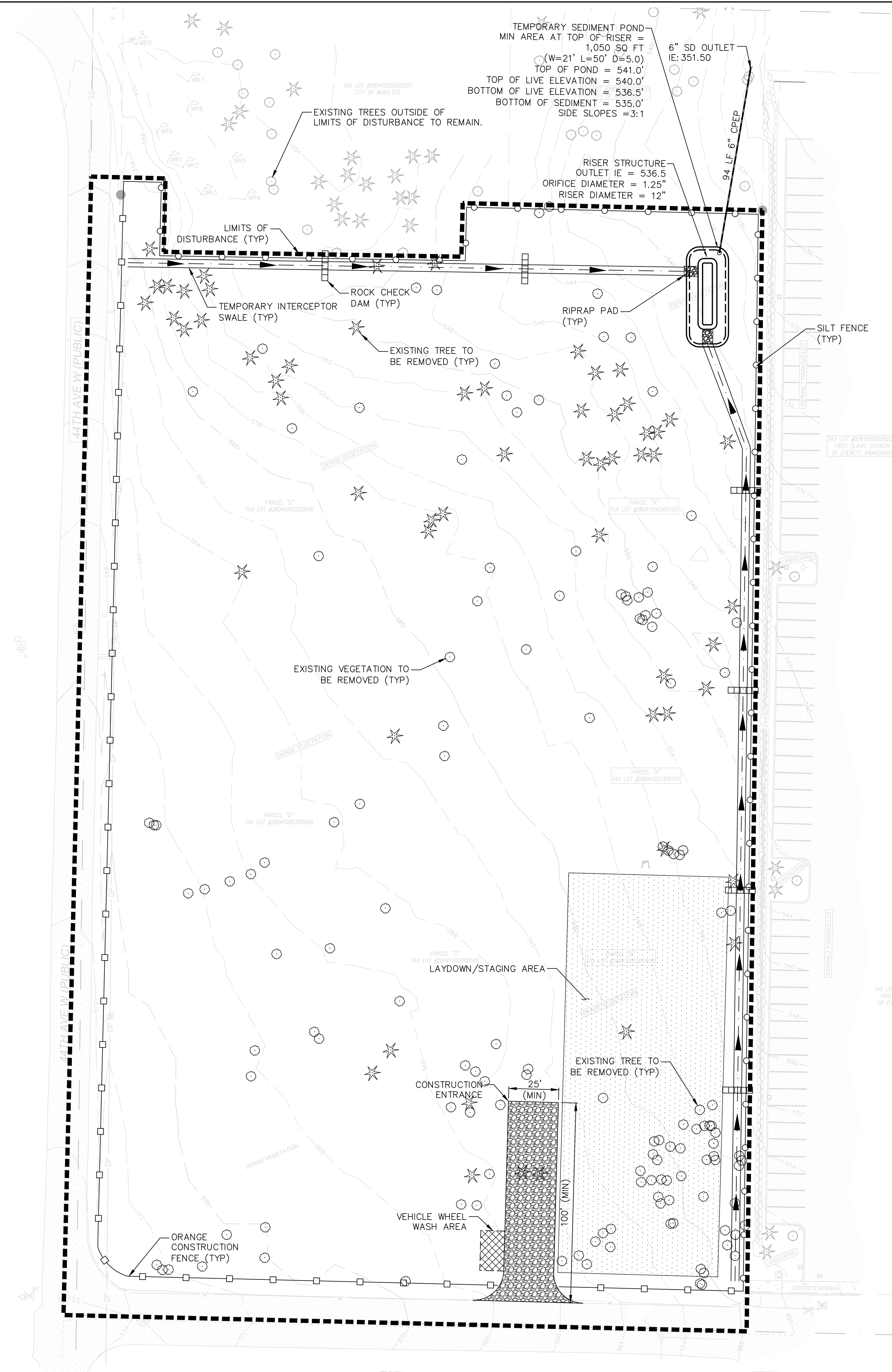
REVISIONS			
NO.	DATE	DESCRIPTION	BY
1			

44TH AND 78TH
PROPERTY
LIMITED ROADWAY SURVEY
SEC 10, TWP 28 N, RNG 4 E, WM

FLD. CREW: CR/DC
FLD. BOOK: 513/90
DRAWN BY: LAC
JOB #: 18697
DATE: 12/27/18



SV2
2 OF 2

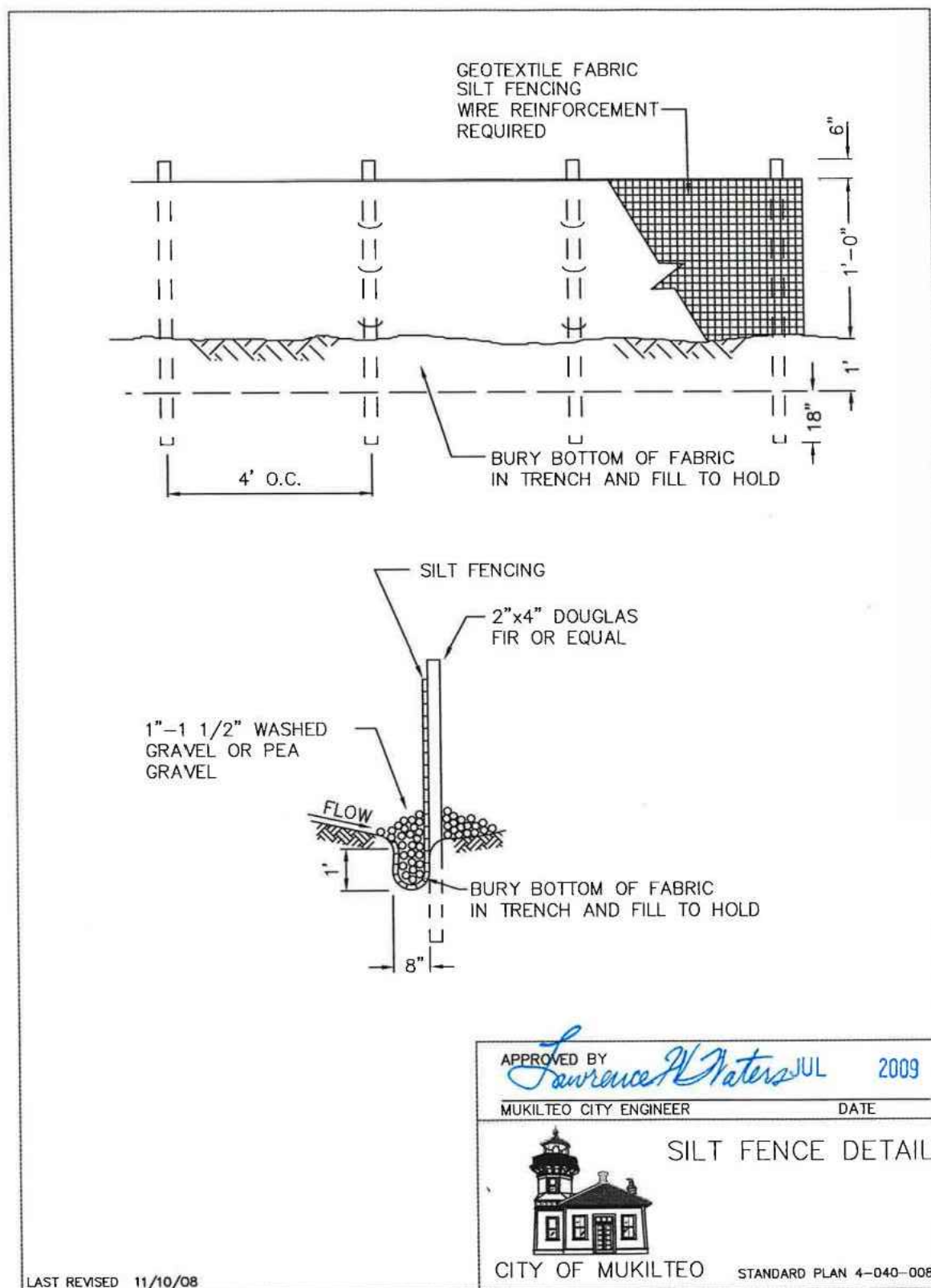


SEQUENCE OF CONSTRUCTION

1. HOLD A PRE-CONSTRUCTION MEETING WITH CITY AND OBTAIN REQUIRED PERMITS.
2. ESTABLISH LIMITS OF DISTURBANCE.
3. CONSTRUCT SILT FENCING AND CONSTRUCTION FENCING ON-SITE. INSTALL INLET PROTECTION FOR EXISTING CATCH BASINS.
4. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
5. CONSTRUCT TEMPORARY SEDIMENT POND.
6. CONTACT CITY AND COORDINATE AN EROSION CONTROL INSPECTION.
7. BEGIN ROUGH GRADING THE SITE.
8. CONSTRUCT THE INTERCEPTOR SWALES WITH APPROPRIATE OUTFALL STRUCTURES. INTERCEPTOR SWALES ARE TO SLOPE TOWARD POND WITH ROCK CHECK DAMS SPACED SUCH THAT THE TIP OF THE DOWNSTREAM DAM IS NO LOWER THAN THE BOTTOM OF THE NEXT UPSTREAM DAM.
9. ONCE SWALES ARE OPERATIONAL, ALL STORMWATER SHOULD BE DIRECTED TO SWALES.
10. INSTALL RIP RAP AROUND TEMPORARY INLET AND OUTLET STRUCTURES.
11. CONTACT CITY AND COORDINATE AN EROSION CONTROL INSPECTION.
12. CLEAR AND GRUB THE SITE AS CONSTRUCTION ACTIVITIES REQUIRE.
13. TEMPORARILY SEED EXPOSED AREAS.
14. CONSTRUCT STORM DRAINAGE SYSTEM. CONTACT CITY AND COORDINATE AN INSPECTION PRIOR TO BURIAL OF UNDERGROUND UTILITIES.
15. PREPARE BUILDING PADS AS SHOWN.
16. COMPLETE GRADING AND OTHER CONSTRUCTION AND STABILIZE THE SITE. CONTACT CITY AND COORDINATE AN INSPECTION AFTER THE SITE HAS BEEN FULLY STABILIZED.

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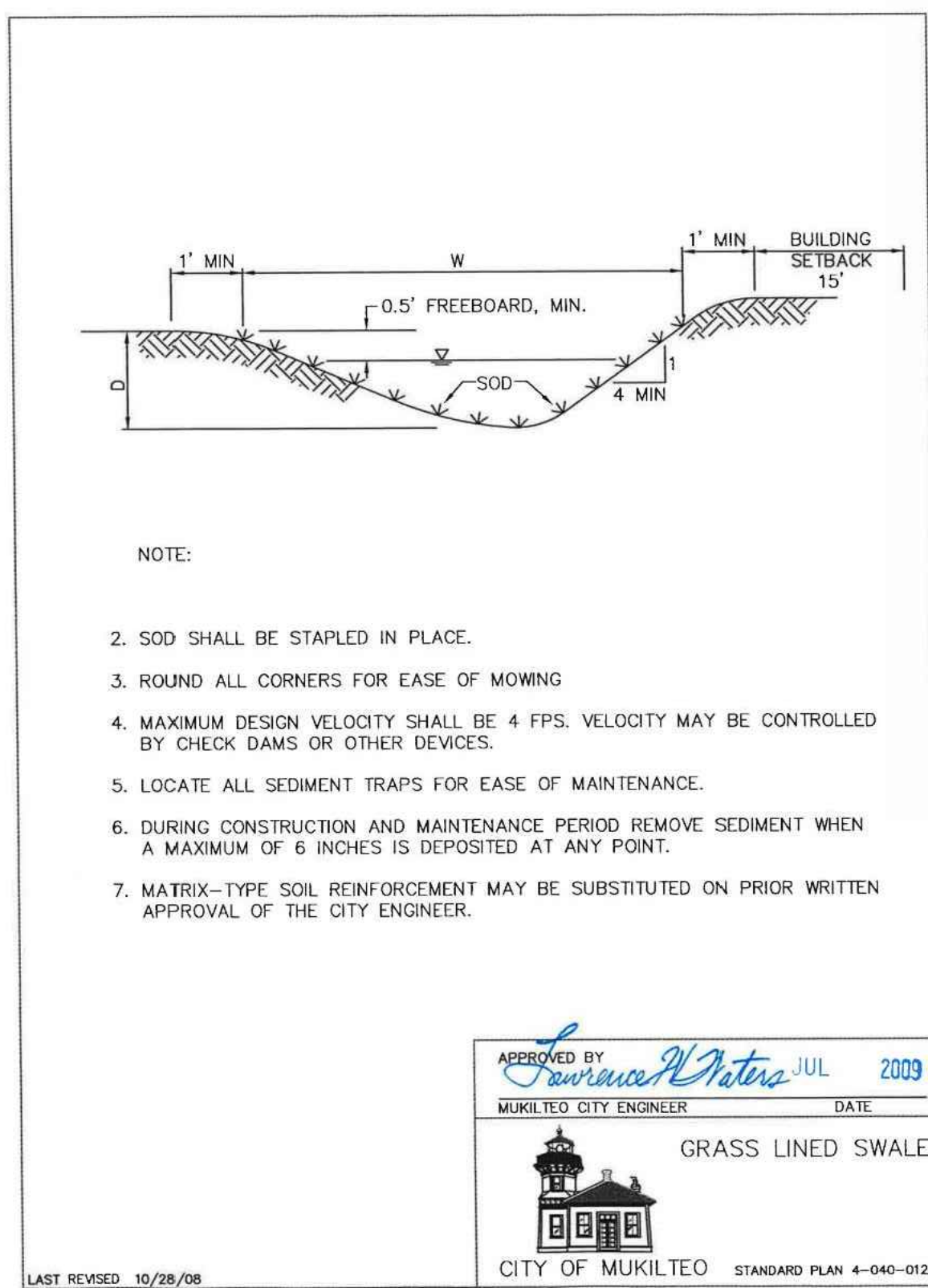
1. NONCOMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND CLEARING LIMITS VIOLATIONS MAY RESULT IN REVOCATION OF PROJECT PERMITS AND PLAN APPROVAL AND BOND FORECLOSURES.
2. PRIOR TO ANY SITE CONSTRUCTION, INCLUDING CLEARING, LOGGING OR GRADING, THE SITE CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR (OR PROJECT ENGINEER) AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR'S NAME AND PHONE NUMBER IS JONATHAN BECKER, P.L.S., (206) 244-4141.
3. THE CONTRACTOR IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND PHONE NUMBER IS SPENCER HUMPHREY, P.E., (425) 453-9501.
4. THE CONSTRUCTION STORMWATER POLLUTION PREVENTION FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPPP PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. AN INSPECTION BY THE CITY OF THESE FACILITIES SHALL BE ARRANGED FOR BY THE CONTRACTOR PRIOR TO ANY GRADING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
5. ALL SITE WORK MUST BE PERFORMED IN ACCORDANCE WITH THE CURRENT CITY ADOPTED INTERNATIONAL BUILDING CODE.
6. ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS. A PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
7. IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, A ROCK OR CONCRETE RETAINING WALL MAY BE REQUIRED. ALL ROCK RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT ARE TO BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER EXPERIENCED IN SOIL MECHANICS.
8. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEEDING IS PREFERRED.
9. ALL STRUCTURAL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY IN THE UPPER 4 FEET & 90% MAXIMUM DENSITY BELOW 4 FEET AS DETERMINED BY MODIFIED PROCTOR.
10. PRIOR TO ANY SITE WORK PERTAINING TO DRAINAGE, THE CONTRACTOR SHALL CONTACT COMMUNITY DEVELOPMENT AT 425-263-8000 TO SCHEDULE A PRECONSTRUCTION CONFERENCE.
11. CONSTRUCTION STORMWATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED PRIOR TO ANY SITE WORK. (SEE ATTACHED DETAILED DRAINAGE PLAN).
12. THE SURFACE OF ALL SLOPES SHALL BE COMPACTED. THIS MAY BE ACCOMPLISHED BY OVERBUILDING THE SLOPE, THEN CUTTING BACK TO FINAL GRADE; OR BY COMPACTING EACH LIFT AS THE SLOPE IS BEING CONSTRUCTED. ALL SLOPES SHALL BE COMPACTED BY THE END OF EACH WORKING DAY.
13. UPON COMPLETION OF WORK, FINAL REPORTS MUST BE SUBMITTED TO THE CITY IN CONFORMANCE WITH THE CURRENT CITY ADOPTED INTERNATIONAL BUILDING CODE.



SILT FENCE
NTS

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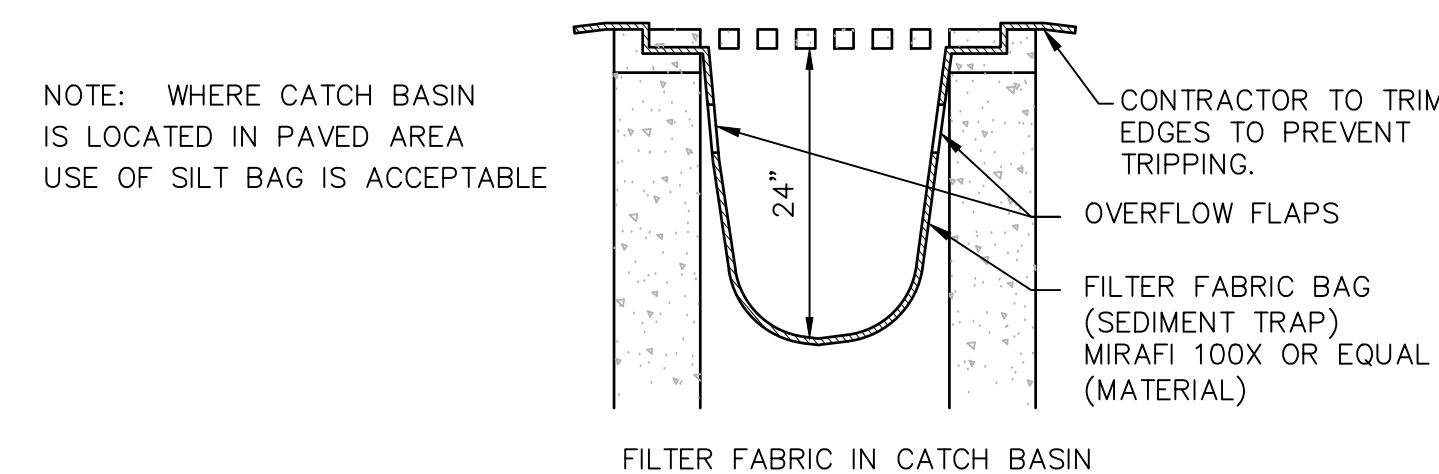
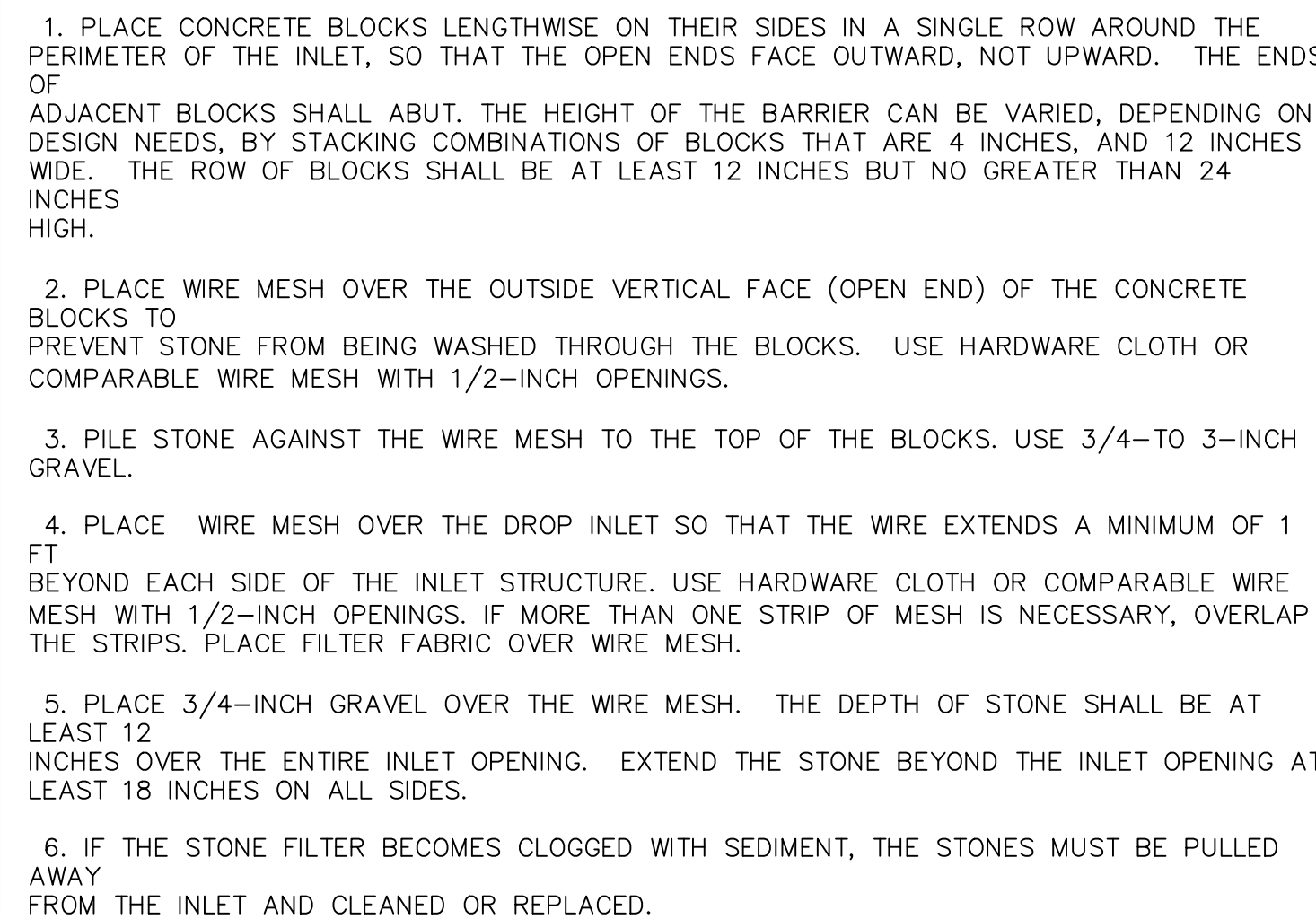
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GRASS-LINED SWALE

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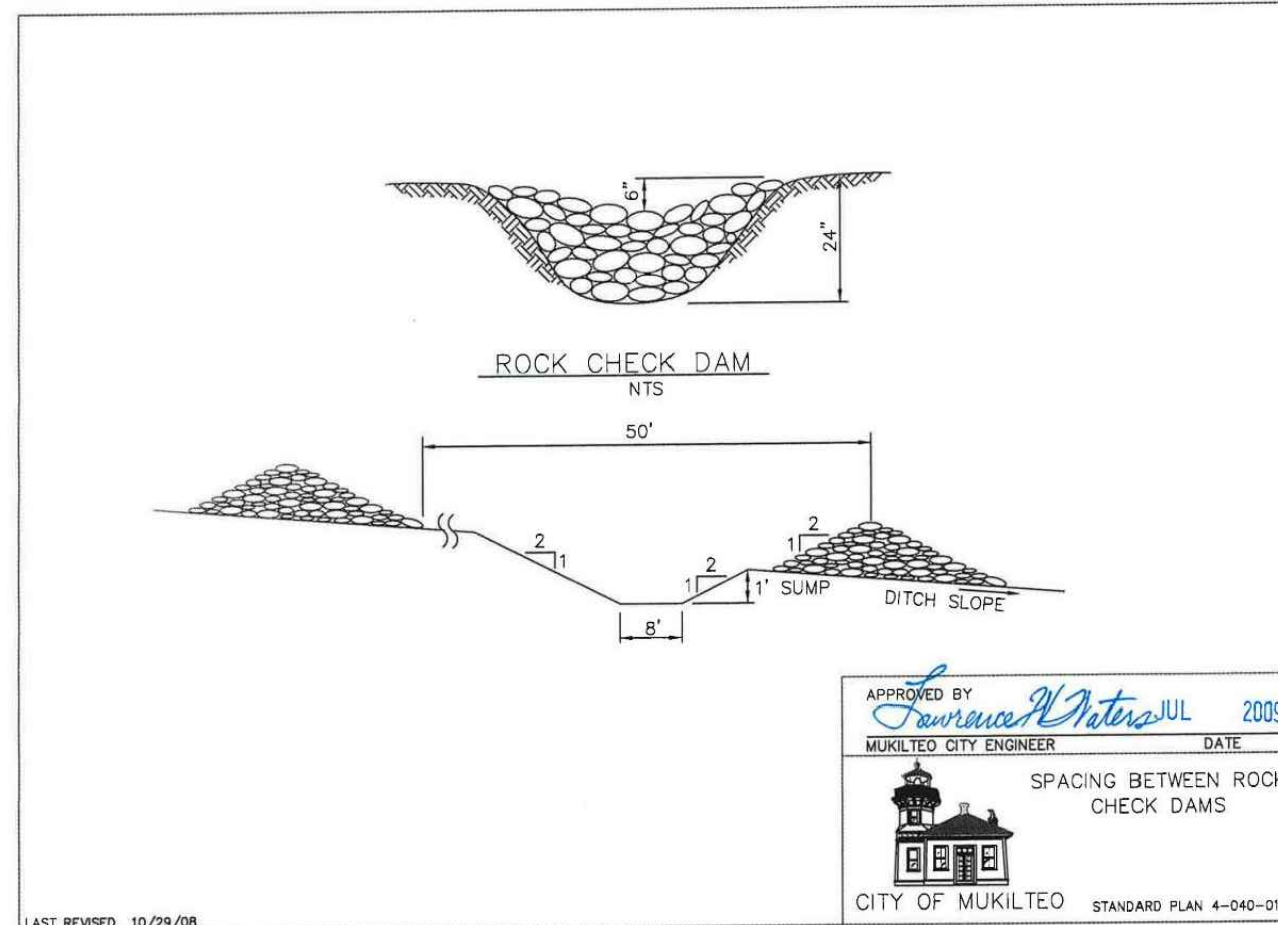


TEMPORARY INLET PROTECTION

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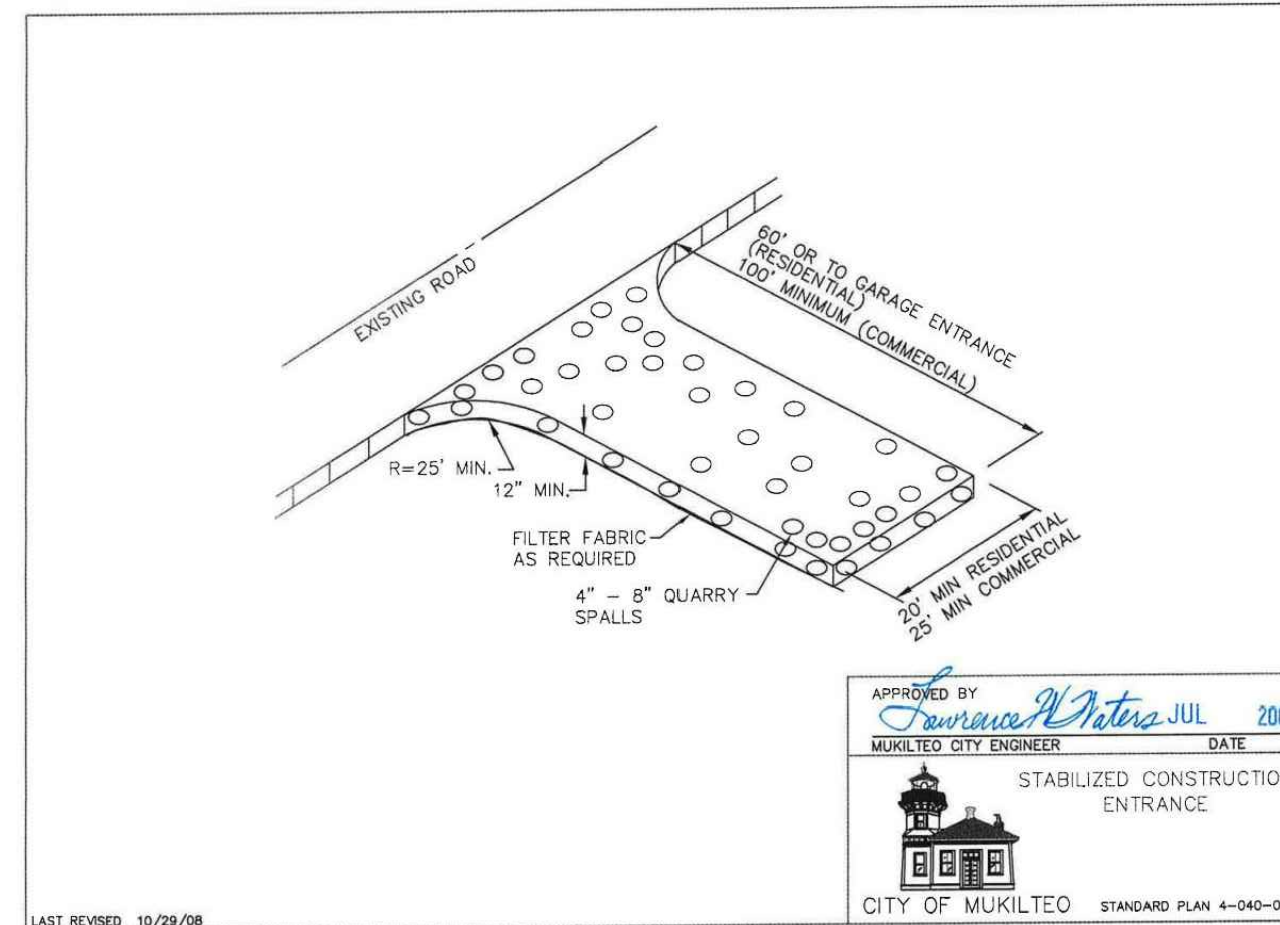
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1. THE TEMPORARY CONSTRUCTION ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND ANY OTHER OBJECTABLE MATERIAL. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLAN. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURES SPECIFICATIONS.
2. GRAVEL SHALL BE CRUSHED BALLAST ROCK, 8" TO 12" IN DEPTH AND INSTALLED TO THE SPECIFIED DIMENSIONS AT THE ENTRANCE.
3. THE GRAVEL BALLAST ROCK SHALL BE 4" TO 8" IN DIAMETER AND PLACED ACROSS THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 100 FEET.
4. IF CONDITIONS ON THE SITE ARE SUCH THAT MOST OF THE MUD IS NOT REMOVED FROM VEHICLE TIRES BY CONTACT WITH THE GRAVEL, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER ONTO A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH GRAVEL OR STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.



ROCK CHECK DAM

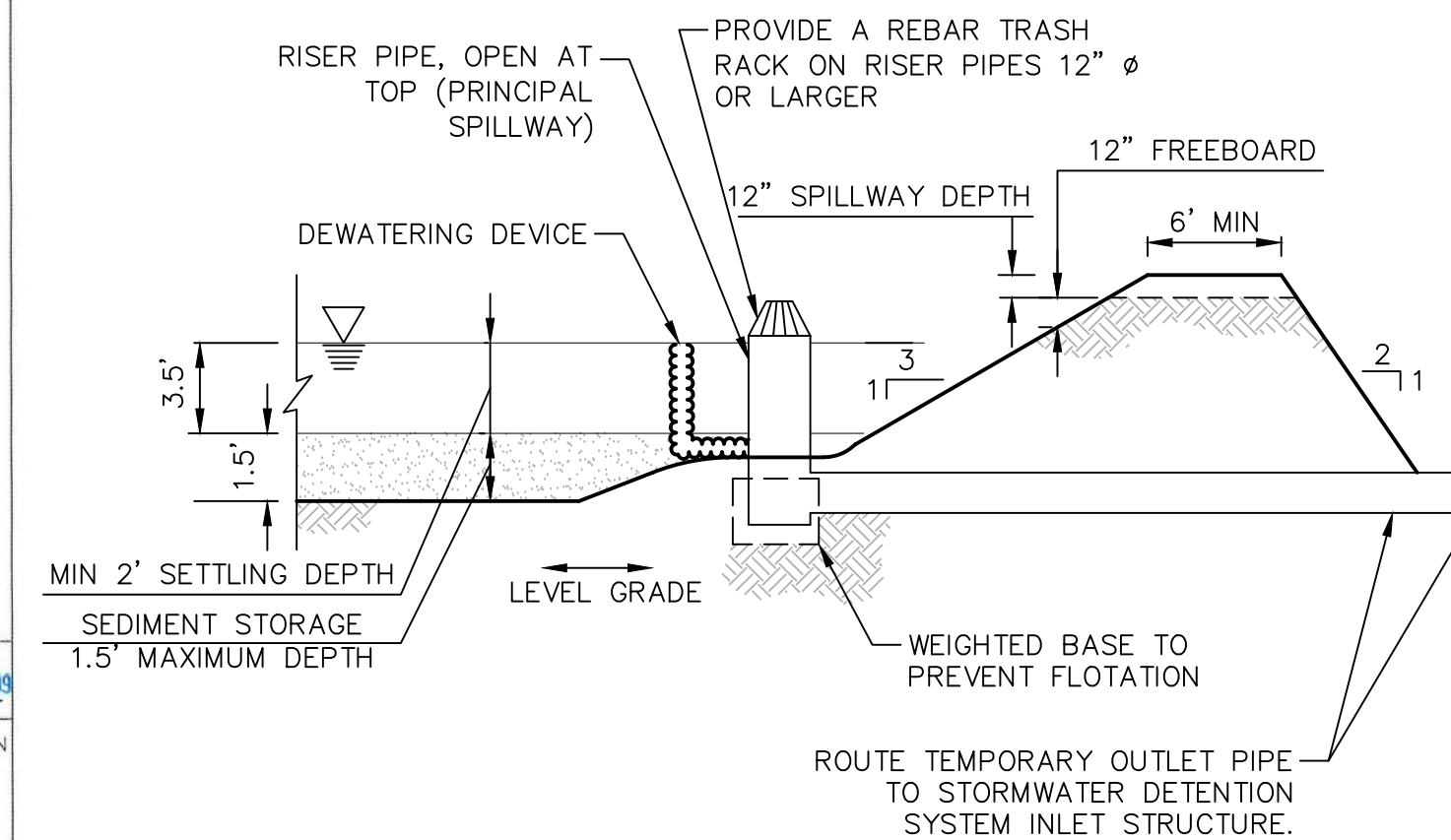
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STABILIZED CONSTRUCTION ENTRANCE

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(5)



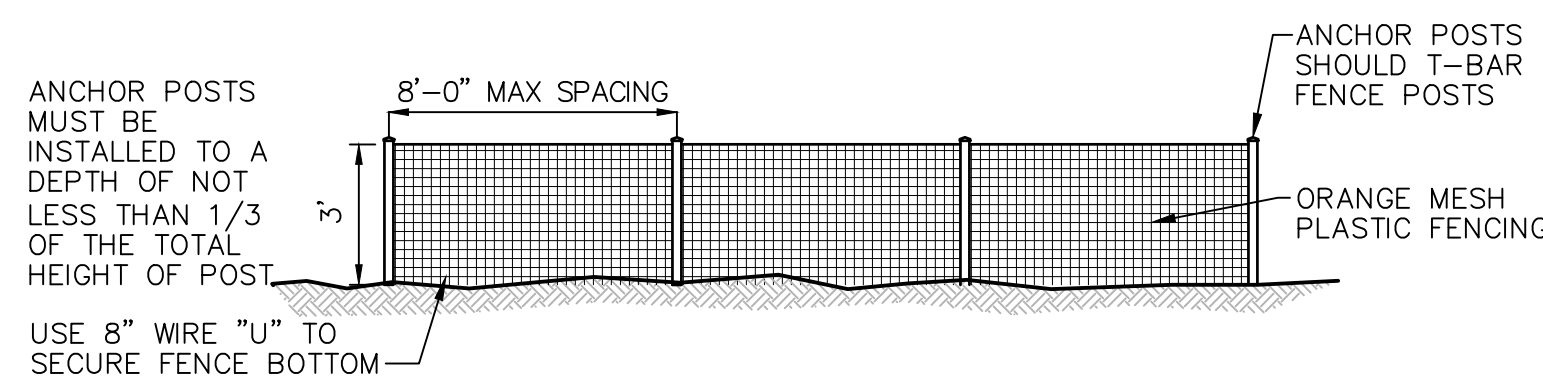
TEMPORARY SEDIMENT POND AND RISER

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1. SILTATION BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE SEDIMENT LEVEL REACHES APPROXIMATELY ONE-HALF THE SILTATION BARRIER HEIGHT. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

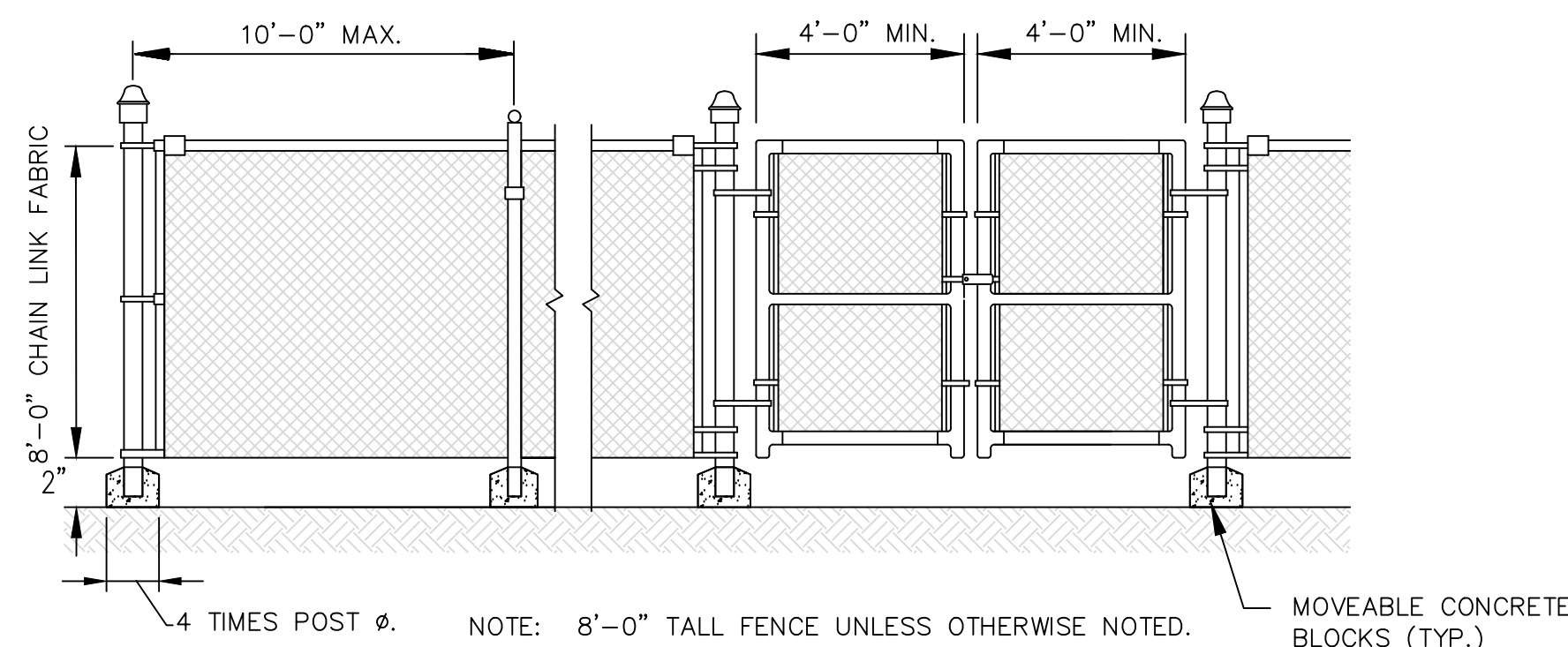
1. THE EMBANKMENT OF THE BASIN SHOULD BE CHECKED REGULARLY TO INSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE EMERGENCY SPILLWAY SHOULD BE CHECKED REGULARLY TO INSURE THAT THE LINING IS WELL ESTABLISHED AND EROSION RESISTANT. THE SILTATION BASIN SHOULD BE CHECKED FOR SEDIMENT CLEANOUT AFTER EACH RAINFALL WHICH PRODUCES RUNOFF. WHEN THE SEDIMENT REACHES THE CLEANOUT LEVEL, IT SHALL BE REMOVED AND PROPERLY DISPOSED.



TEMPORARY ORANGE CONSTRUCTION FENCE

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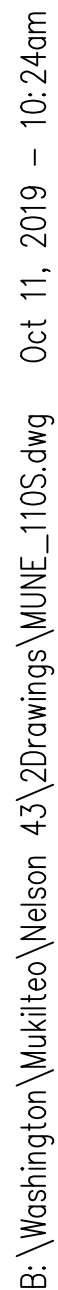


TEMPORARY CHAIN LINK FENCE

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- ## SITE KEY

(ALL CALLOUTS ARE TYPICAL)

- Ⓛ RETAINING WALL.

- ### PARKING AND STRIPING KEY

(ALL CALLOUTS ARE TYPICAL)

- (P1) 4" WIDE, WHITE DOUBLE COAT STRIPE.

- (P2) ACCESSIBLE PARKING. $\frac{6}{C-1.1}$
 (P3) VAN ACCESSIBLE PARKING. $\frac{6}{C-1.1}$
 (P4) ADA PARKING SIGN. $\frac{8}{C-1.1}$

PARKING AND STRIPING KEY

(ALL CALLOUTS ARE TYPICAL)

- (P1) 4" WIDE, WHITE DOUBLE COAT STRIPE.
- (P2) ACCESSIBLE PARKING. $\frac{6}{C-1.1}$
- (P3) VAN ACCESSIBLE PARKING. $\frac{6}{C-1.1}$
- (P4) ADA PARKING SIGN. $\frac{8}{C-1.1}$



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SITE | CIVIL

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bellevue, wa 98004

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www.navixeng.com

GREG NELSON

PROJECT NAME

NELSON 43

NAVIX PROJECT NUMBER: 50-609-001

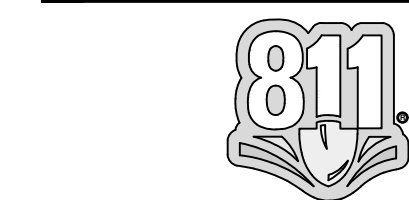
PROJECT ADDRESS

4301 78TH ST SW
MUKILTEO, WA 98275

STAMP



REVISIONS

[illegible]

SECTION, TOWNSHIP, RANGE:

SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M.

PROJECT TEAM

REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

SITE IMPROVEMENTS PLAN

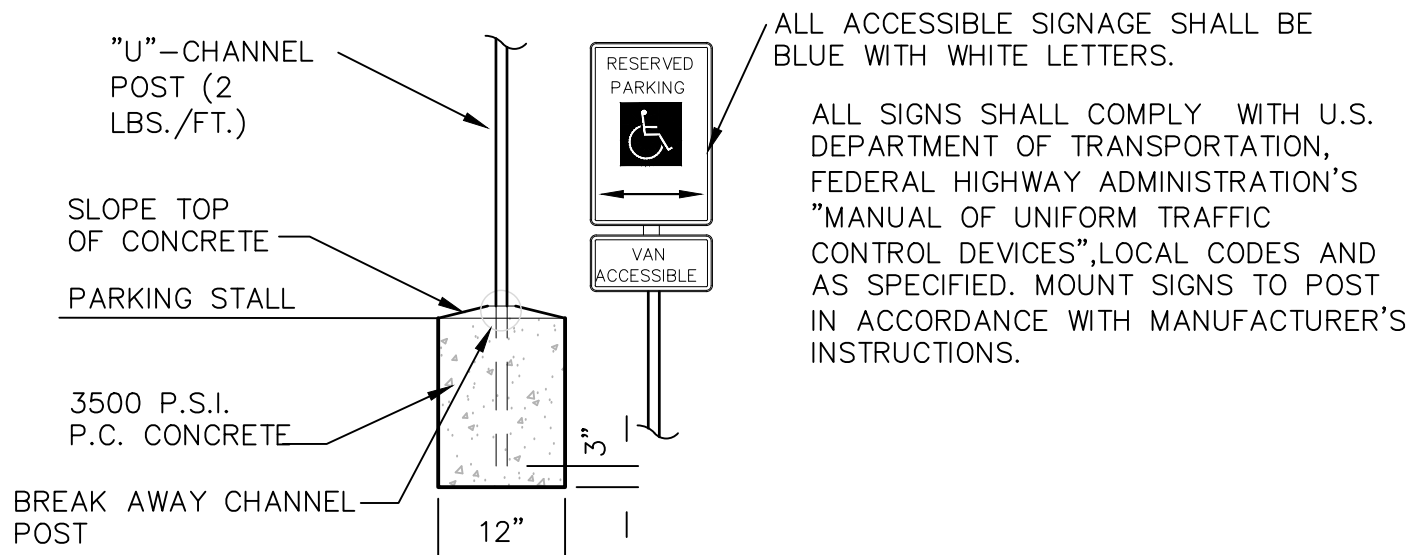
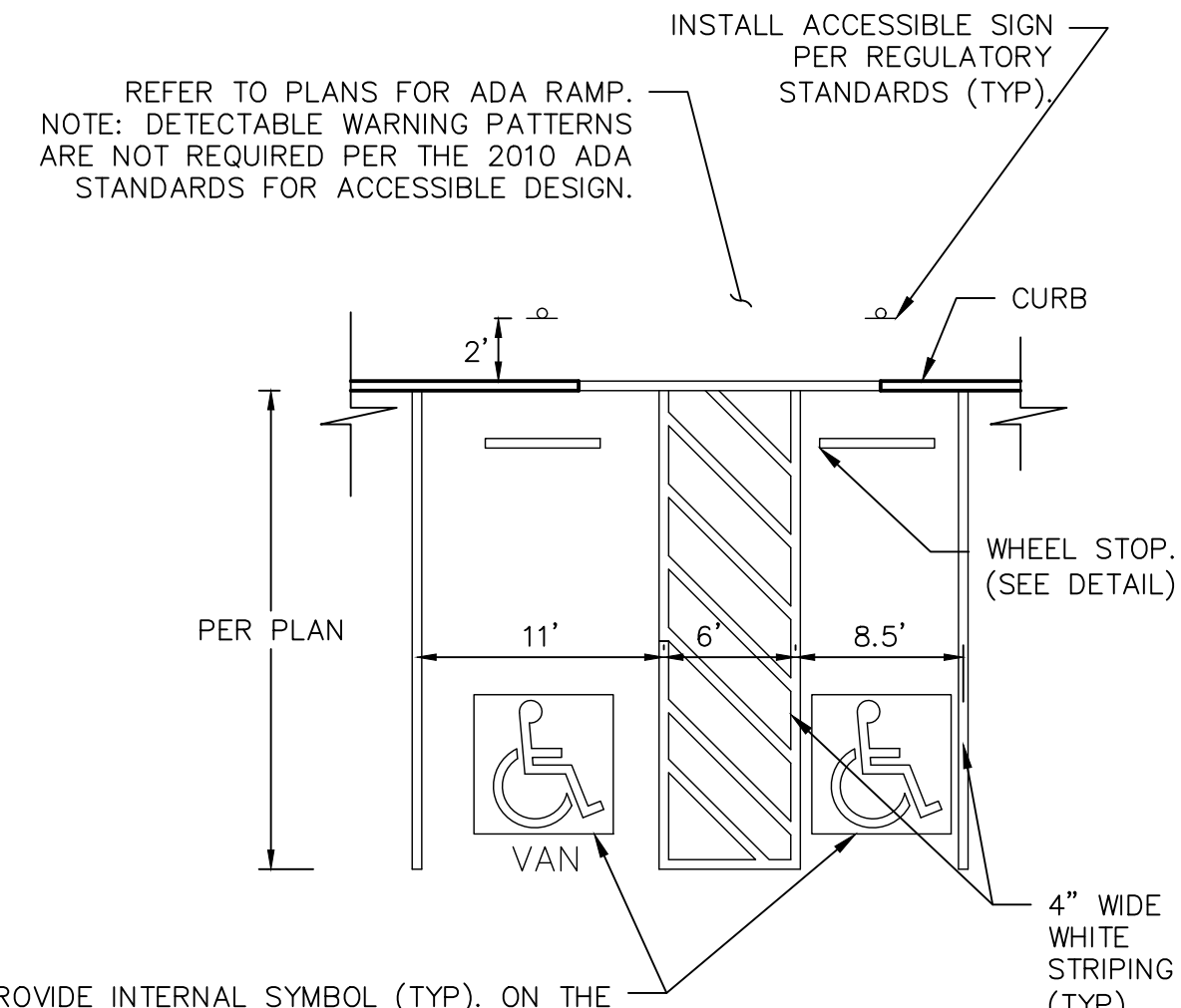
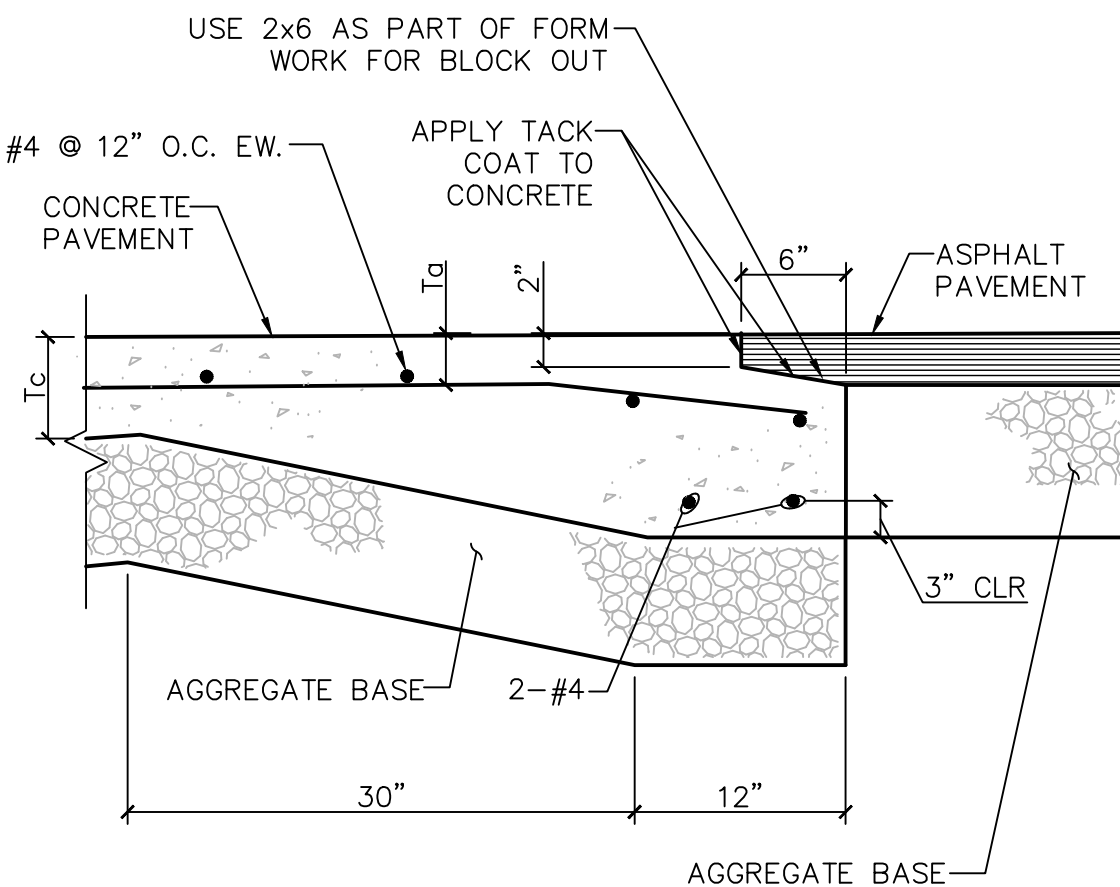
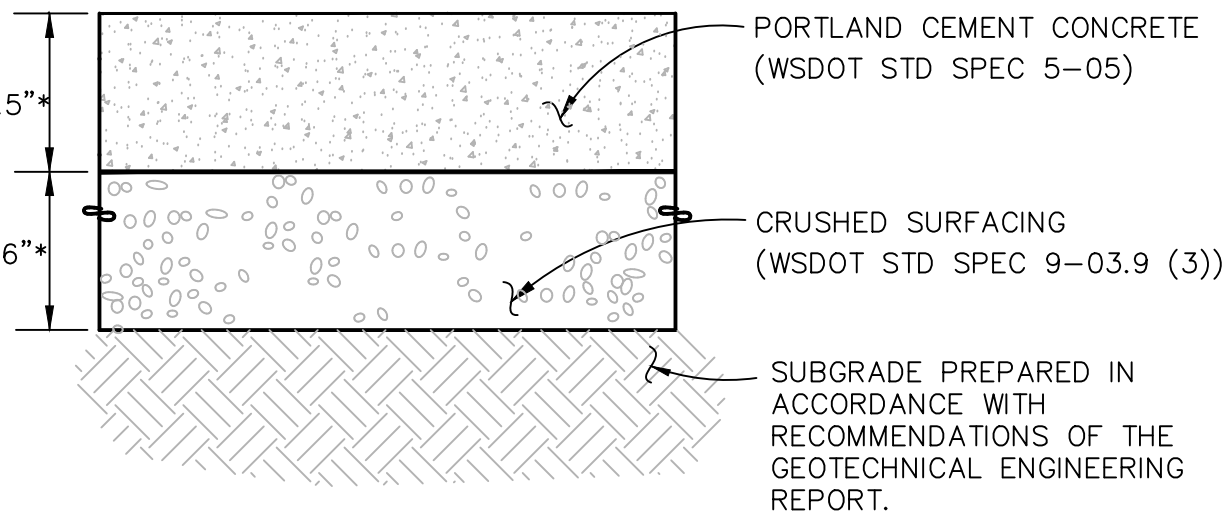
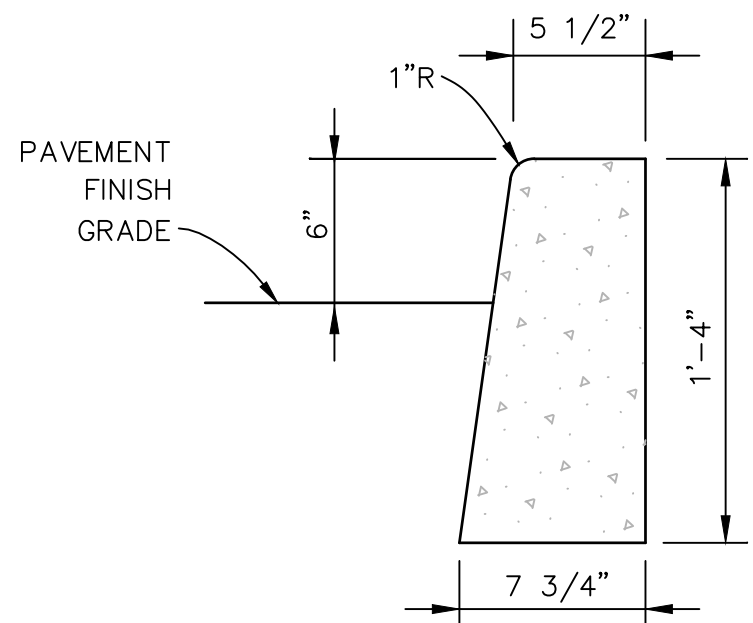
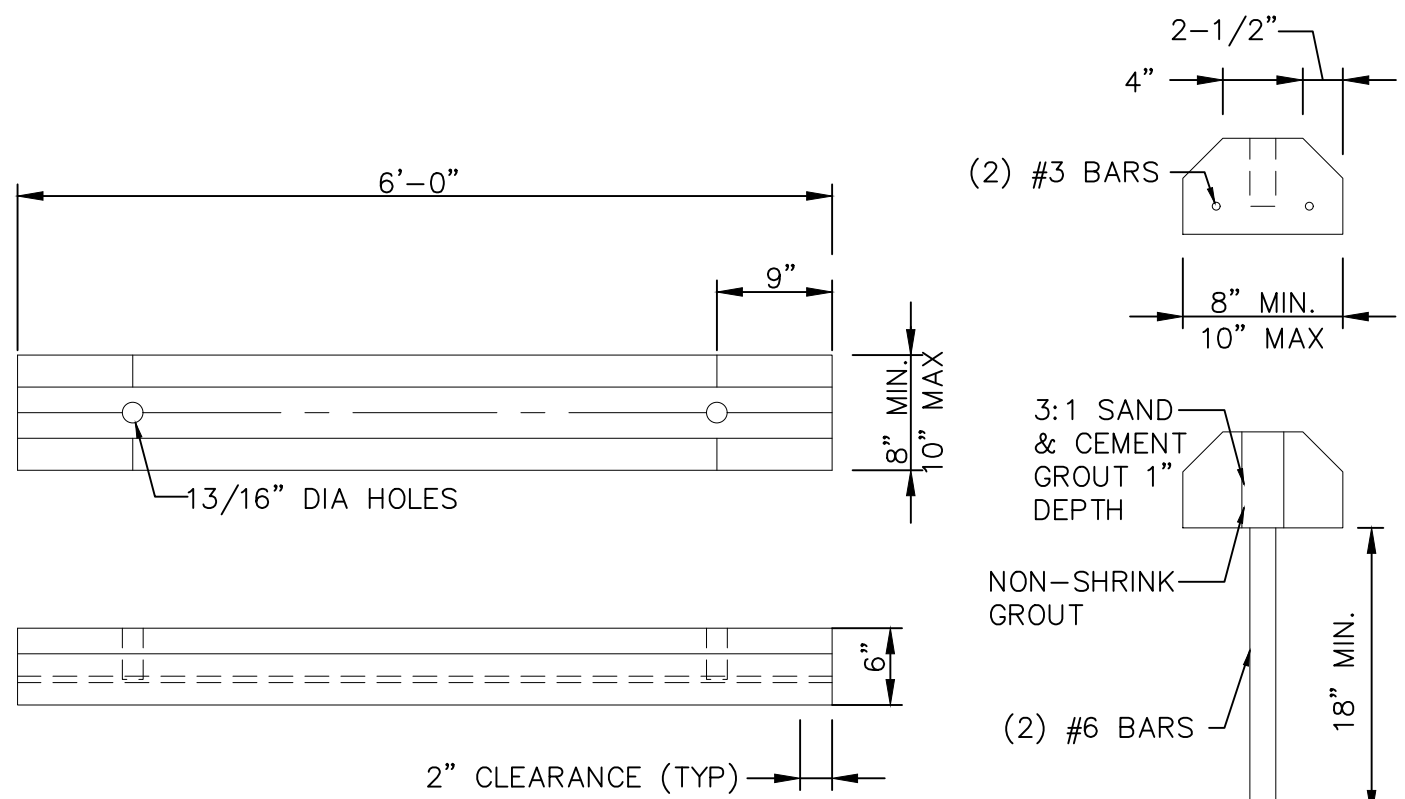
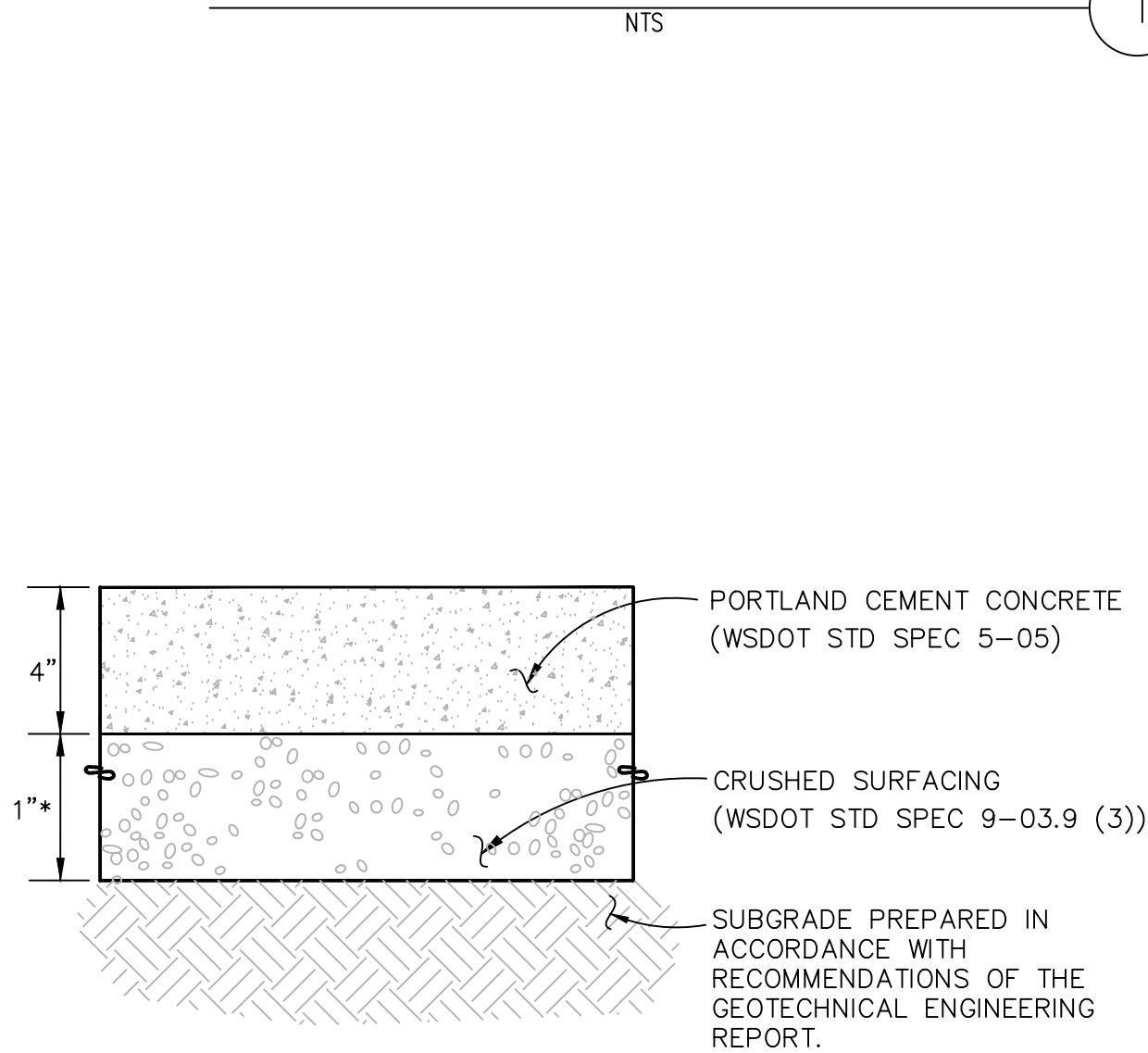
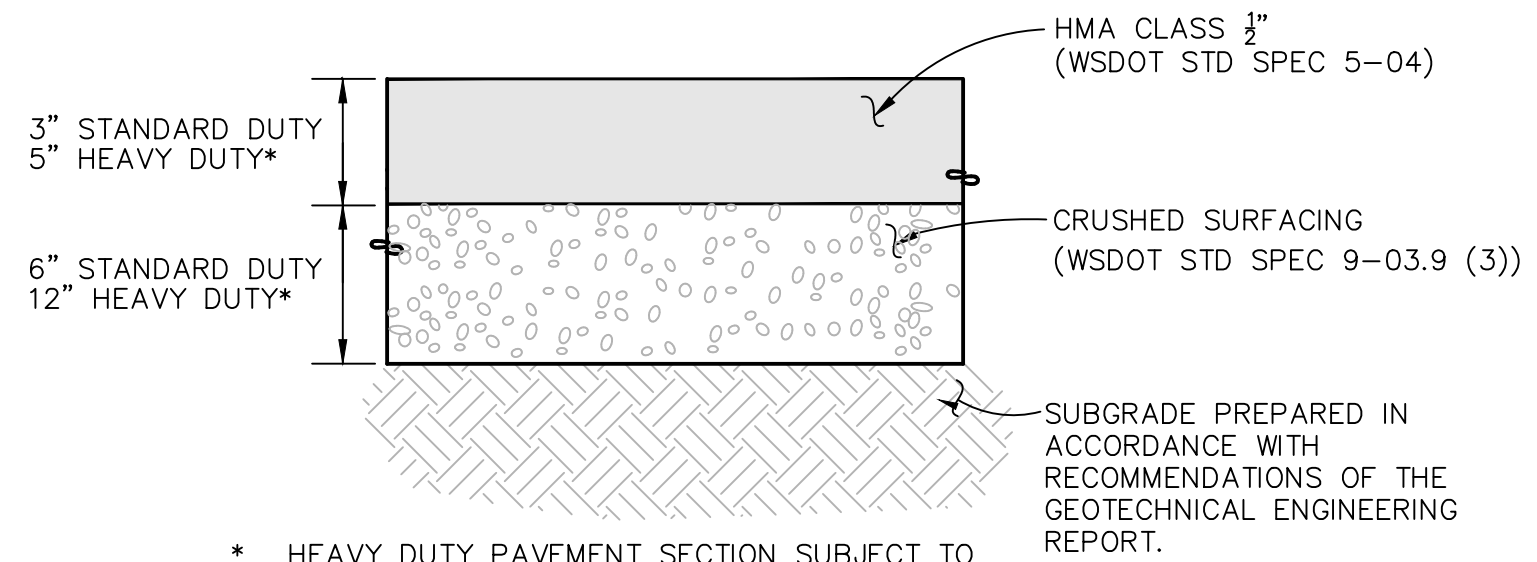
SHEET NUMBER

C-1.0

3. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
4. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THIS PLAN DOES NOT REPRESENT A DETAILED FIELD SURVEY. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON SURVEY PREPARED BY TERRANE, INC. (FORMERLY GEODIMENSIONS, INC.) DATED 02/12/2016. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BIDDING THE PROPOSED SITEWORK IMPROVEMENTS. IF CONDITIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITEWORK WHICH WOULD BE AFFECTED. IF CONTRACTOR DOES NOT ACCEPT EXISTING SURVEY, INCLUDING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
5. CAUTION – NOTICE TO CONTRACTOR
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES AND EXISTING IMPROVEMENTS WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS ON THE PLANS.
6. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF VESTIBULE, SLOPED PAVING, EXIT PORCHES, SIDEWALKS, RAMPS & TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
7. DIMENSIONS SHOWN REFER TO FACE OF CURB, FACE OF BUILDING OR TO THE CENTERLINE OF PAVEMENT STRIPING, UNLESS OTHERWISE NOTED.
8. ALL PAVED PARKING LOT AREAS WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE PER STRUCTURAL PLANS UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL PROVIDE A TEMPORARY TRAFFIC CONTROL PLAN FOR THE CITY ENGINEER'S APPROVAL PRIOR TO ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
10. FIRE LANE STRIPING AROUND BUILDING PERIMETER AND ALONG FIRE TRUCK ACCESS WAYS SHALL BE INSTALLED AS PART OF THIS CONTRACT, IN ACCORDANCE WITH THE LOCAL CODE AND FIRE MARSHAL REQUIREMENTS.
11. REFER TO BOUNDARY SURVEY FOR LEGAL DESCRIPTION, DIMENSIONS OF PROPERTY LINES, BASIS OF BEARINGS & BENCHMARK INFORMATION.
12. ALL ON-SITE PAINTED STRIPING SHALL BE DOUBLE COATED. SEPARATE COATS SHALL BE APPLIED NO SOONER THAN 4 HOURS APART. (CONTRACTOR TO REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL PAVING MARKING REQUIREMENTS.)
13. PARKING LOT STRIPING SHALL BE WHITE, 4" WIDTH, & DOUBLE COATED, UNLESS OTHERWISE NOTED. LIGHT POLE BASES TO BE PAINTED TRAFFIC YELLOW (DOUBLE COAT)
14. ALL DISTURBED AREAS THAT WILL BE PERMANENTLY LANDSCAPED ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
15. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF MUKILTEO STANDARDS AND SPECIFICATIONS; THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION; AND THE ADOPTED EDITION OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.
2. ALL WORK WITHIN THE PLAT AND CITY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
3. PRIOR TO ANY SITE CONSTRUCTION INCLUDING CLEARING/LOGGING OR GRADING, THE SITE CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR (OR PROJECT ENGINEER) AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR'S NAME AND PHONE NUMBER IS JONATHAN BECKER, PLS, (206) 244-4141.
4. THE DEVELOPER, CONTRACTOR AND PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND PHONE NUMBER IS SPENCER HUMPHREY, P.E., (425) 453-9501 EXT. 1527.
5. PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE CITY OF MUKILTEO COMMUNITY DEVELOPMENT AT 425-355-4141 X251 TO SCHEDULE A PRECONSTRUCTION CONFERENCE. ENGINEERED AS-BUILT DRAWINGS IN ACCORDANCE WITH THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE SHALL BE REQUIRED PRIOR TO FINAL SITE APPROVAL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR UTILITY, ROAD, AND RIGHT-OF-WAY CONSTRUCTION. THE CONTRACTOR FOR THIS PROJECT IS _____, CONTACT PERSON IS _____, PHONE _____, MOBILE PHONE _____, EMERGENCY PHONE _____.
7. THE CONSTRUCTION STORMWATER POLLUTION PREVENTION (SWPP) FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPP PLANS PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. SEDIMENT LADEN WATERS SHALL NOT ENTER THE NATURAL DRAINAGE SYSTEM.
8. NONCOMPLIANCE WITH THE REQUIREMENTS FOR; EROSION CONTROLS, WATER QUALITY AND CLEARING LIMITS MAY RESULT IN REVOCATION OF; PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES.
9. TRENCH BACKFILL OF NEW UTILITIES AND STORM DRAINAGE FACILITIES SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) OFF ROADWAYS. COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 7-08.3(f), 2-03.3(14)C - METHOD B AS DEFINED IN THE CURRENT EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
10. THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. LOCATION OF UTILITIES SHOWN ON CONSTRUCTION PLANS ARE BASED ON BEST RECORDS AVAILABLE AND ARE SUBJECT TO VARIATION. FOR ASSISTANCE IN UTILITY LOCATION, CALL 1-800-424-5555.
11. PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
12. THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING AS-BUILT INFORMATION; ONE SET SHALL BE SUBMITTED TO THE PROJECT ENGINEER, AND ONE SET SHALL BE SUBMITTED TO THE CITY ENGINEER AT COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF WORK.
13. A GRADING PERMIT ISSUED PURSUANT TO THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE, AND APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE OBTAINED FROM THE COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO ANY ON-SITE GRADING WORK NOT EXPRESSLY EXEMPT BY THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE.
14. PRIOR TO COMMENCEMENT OF FRAMING, FINAL DRAINAGE INSPECTION AND APPROVAL OF THE ROOF LEADER AND POSITIVE FOOTING SYSTEMS SHALL BE COMPLETED BY THE BUILDING DEPARTMENT. CALL 360-363-8100 TO SCHEDULE THE INSPECTION.

3. MATERIAL THICKNESS IS COMPACTED DEPTH. APPLIES TO ALL SECTIONS.
2. SUITABLE ONSITE SOILS SHALL BE FREE OF DELETERIOUS MATERIALS AND MAY BE USED FOR SUBBASE PROVIDED SOILS MEET REQUIREMENTS IN THE PROJECT'S SPECIFICATIONS.
3. FOR PREPARATION OF PAVEMENT SUBGRADE, FILL PLACED WITHIN 12 INCHES OF FINISHED SUBGRADE ELEVATION IN FILL AREAS AND AT LEAST THE UPPER 8 INCHES OF SUBGRADE IN ALL AREAS TO BE PAVED SHOULD BE COMPACTED TO AT LEAST 95% OF THE MATERIAL'S MAXIMUM MODIFIED PROCTOR DRY DENSITY (ASTM D-1557) AND SHOULD BE NON-YIELDING. FILL PLACED BELOW THIS LEVEL SHOULD BE COMPACTED TO AT LEAST 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY.
4. ALL COMPACTION SHALL BE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 2-03.3(14D).
5. IF ALTERNATIVE PAVEMENT SECTION WITH A.T.B. IS USED DURING CONSTRUCTION ANY FAILED AREAS THAT SHOW CRACKING UNDER EQUIPMENT SHOULD BE REPAIRED Once HEAVY CONSTRUCTION TRAFFIC HAS CEASED AND PRIOR TO PLACEMENT OF FINAL LIFT OF HMA PAVEMENT.
6. CRUSHED BASE COURSE MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 9-03.9(3) OF THE LATEST EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. ASPHALTIC SURFACE COURSE MIXTURES SHALL BE IN ACCORDANCE WITH SECTION 9-02 OF THE LATEST EDITION OF THE WSDOT STANDARD SPECIFICATIONS. THE MIXTURE SHALL HAVE A MINIMUM MARSHALL STABILITY OF 1,000 POUNDS, AND THE SURFACE COURSE SHOULD BE COMPACTED TO A MINIMUM OF 96% MARSHALL DENSITY (ASTM SPECIFICATION D 1559).
8. THE PORTLAND CEMENT CONCRETE PAVEMENT MIXTURE SHALL BE IN ACCORDANCE WITH CONCRETE FOR PAVEMENT SECTION 5-05 OF THE LATEST EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION. THE MIXTURE SHALL BE DESIGNED TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS WITH A 4 INCH MAXIMUM SLUMP.
9. CONTRACTOR SHALL PROVIDE A PRIME COAT AND TACK COAT TO FACE OF CURB WHERE CURB CONTACTS ASPHALT.



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bellevue, wa 98004
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www.navixeng.com

CLIENT/OWNER

GREG NELSON

PROJECT NAME

NELSON 43

NAVIX PROJECT NUMBER: 50-609-00

PROJECT ADDRESS

**4301 78TH ST SW
MUKILTEO, WA 98275**

STAMP

[illegible]

SECTION, TOWNSHIP, RANGE:

**SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M**

PROJECT TEAM

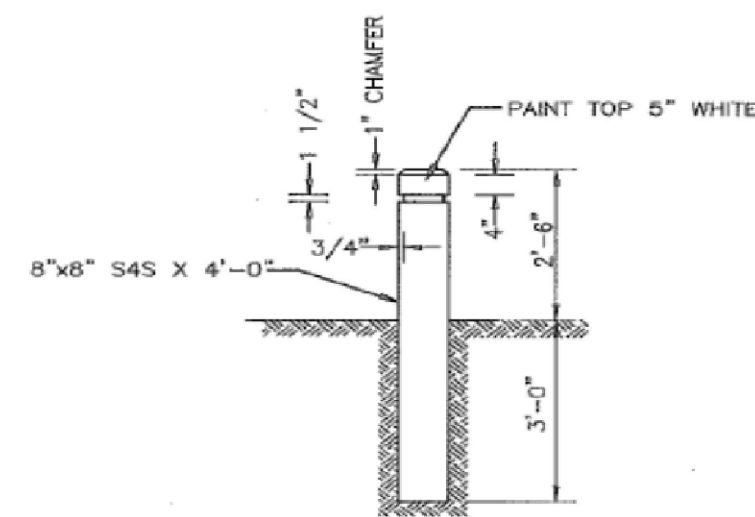
REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

SITE DETAILS

SHEET NUMBER

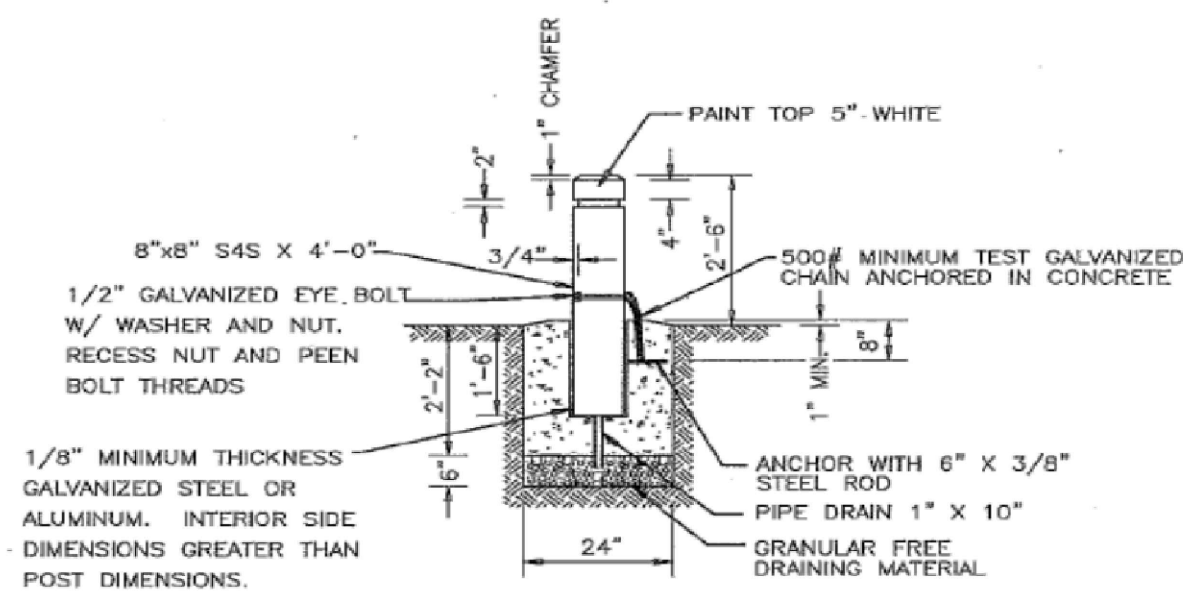
C-1.1



FIXED BOLLARD

NOTES:

1. ALL WOOD SHALL BE PRESSURE TREATED.
 2. STEEL TUB SHALL CONFORM TO ASTM A53 OR ASTM A53 GRADE A.
 3. NUTS, BOLTS & WASHERS SHALL CONFORM TO ASTM A307.
 4. ALL STEEL PARTS SHALL BE GALVANIZED.
 5. COMMERCIAL CLASS CONCRETE SHALL BE USED.
 6. FOR ACCEPTABLE ALTERNATE BOLLARD DESIGNS, SEE WSDOT/APWA PLANS H-13 AND H-13A.
- SEE TEXT SECTION 4-11



REMOVABLE BOLLARD

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SNOHOMISH COUNTY PUBLIC WORKS

4-170

BOLLARDS

APPROVED BY:

Steve E. Thompson 2-25-02
COUNTY ROAD ENGINEER DATE



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REVISIONS

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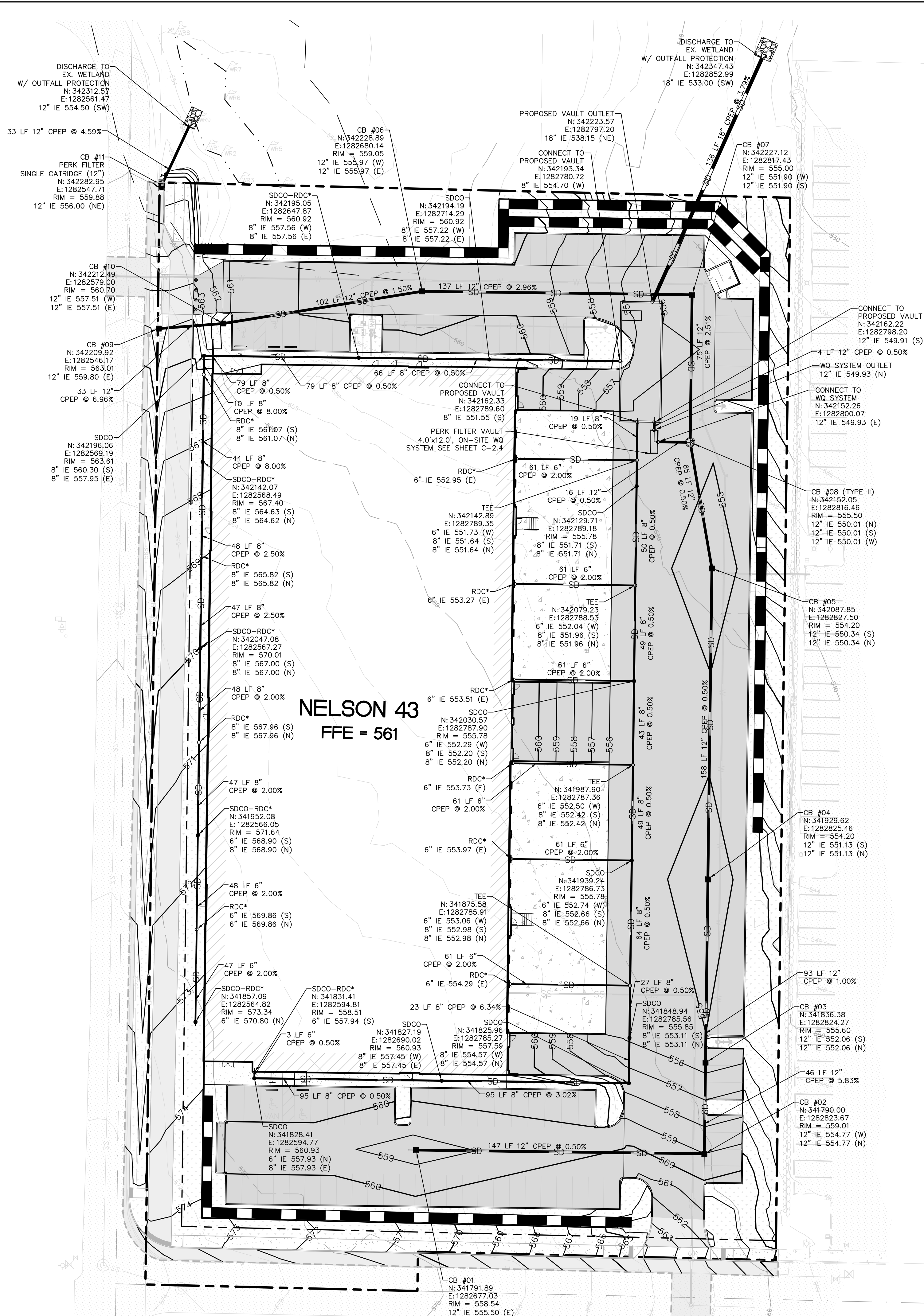
REVIEWED BY: S.HUMPHREY
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J.STEFANOFF

SHEET NAME

SITE DETAILS

SHEET NUMBER

C-1.2



NELSON 43
FFE = 561

LEGEND

	PROPERTY LINE
	PROPOSED BUILDING
	STORM PIPE $\frac{1}{C-22}$
	PERFORATED PIPE
	ROOF DRAIN LINE
	TRENCH DRAIN (ZURN OR APPROVED EQUAL SEE PLAN FOR MODEL NUMBER)
	RIDGE LINE
	TYPE II CATCH BASIN W/ HERRINGBONE GRATE (UNLESS OTHERWISE NOTED) $\frac{4.5}{C-21}$
	TYPE II CATCH BASIN W/ THRU CURB INLET (UNLESS OTHERWISE NOTED) $\frac{4.6}{C-21}$
	TYPE I CATCH BASIN W/ HERRINGBONE GRATE (UNLESS OTHERWISE NOTED) $\frac{1-3.5}{C-21}$
	TYPE I CATCH BASIN W/ COMBINATION INLET $\frac{1-3.6}{C-21}$
	PERK FILTER CONCRETE CATCH BASIN $\frac{3}{C-24}$
	AREA DRAIN $\frac{6}{C-22}$
	STORM DRAIN CLEANOUT (SDCO) $\frac{6}{C-22}$
	WYE/ROOF DOWNSPOUT CONNECTION $\frac{2}{C-22}$
	CATCH BASIN
	MANHOLE
	CORRUGATED POLYETHYLENE PIPE
	REINFORCED CONCRETE PIPE
	ROOF DRAIN LINE
	ROOF DRAIN CONNECTION
	DUCTILE IRON PIPE

NOTE

- ALL STORM STRUCTURES LOCATED FROM CENTER OF STRUCTURE.
 - CONTRACTOR SHALL CONNECT ROOF DRAIN LEADERS TO PROPOSED STORM DRAINS AS SHOWN. SEE ARCHITECTURAL PLAN FOR LOCATION OF DOWNSPOUTS FOR ROOF DRAIN CONNECTIONS.
 - CONTRACTOR TO INSTALL TEMPORARY INTERCEPTOR SWALES, AS NECESSARY, TO PROMOTE POSITIVE DRAINAGE AWAY FROM ROUGH GRADING TO DESIGNATED SEDIMENT PONDS.
 - ADJUST ALL RIMS (EXISTING/PROPOSED) TO FINISHED GRADE.
- * ROOF DRAINAGE CONNECTION SEE ARCHITECTURAL FOR CONTINUATION
** SEE ARCHITECTURAL/PLUMBING FOR CONTINUATION AND FINAL LAYOUT



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REV	ISSUED FOR:	DATE
	PERMIT SET	10.11.19



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SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M.

PROJECT TEAM

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J.STEFANOFF

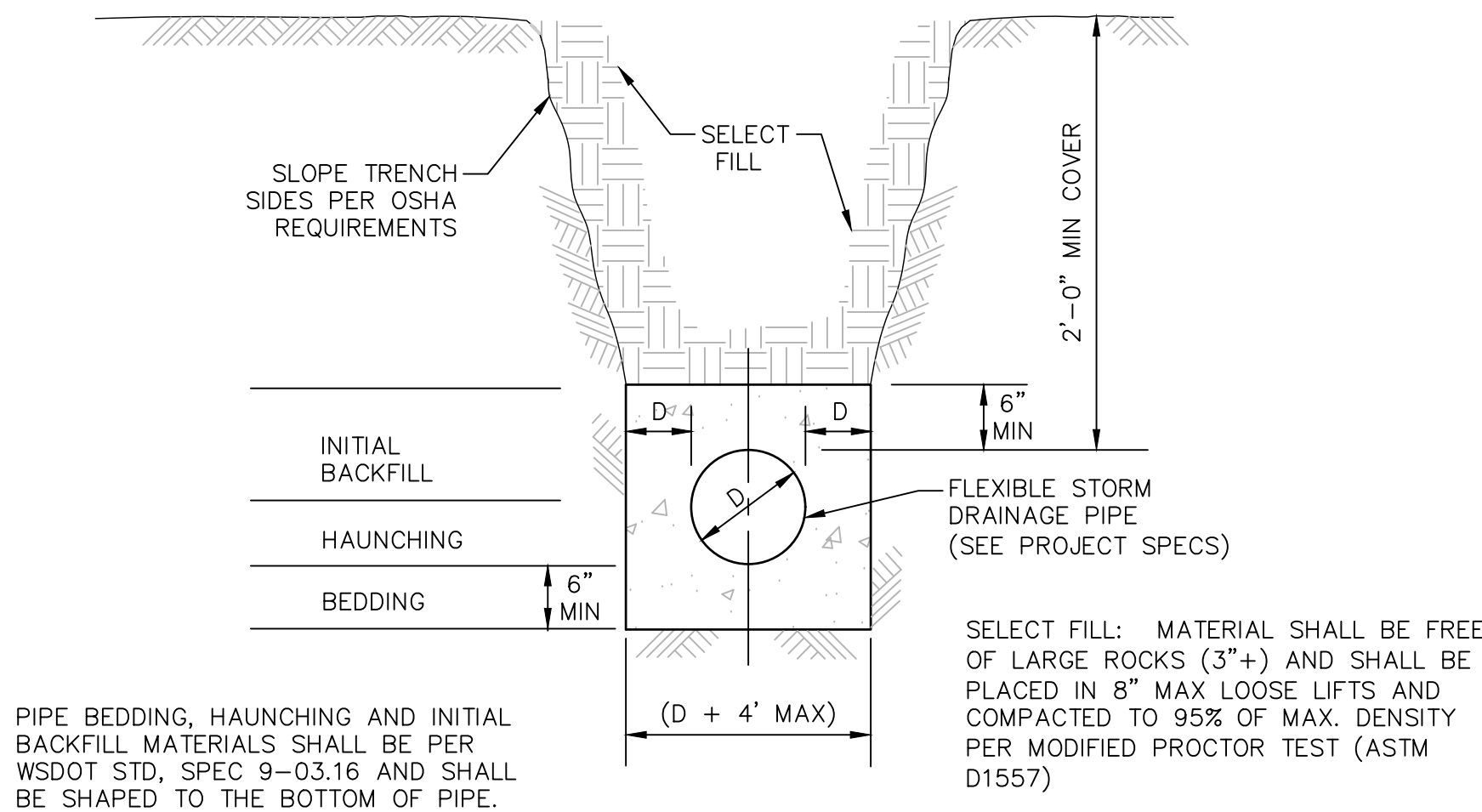
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GRADING AND
DRAINAGE PLAN

SHEET NUMBER

C-2.0

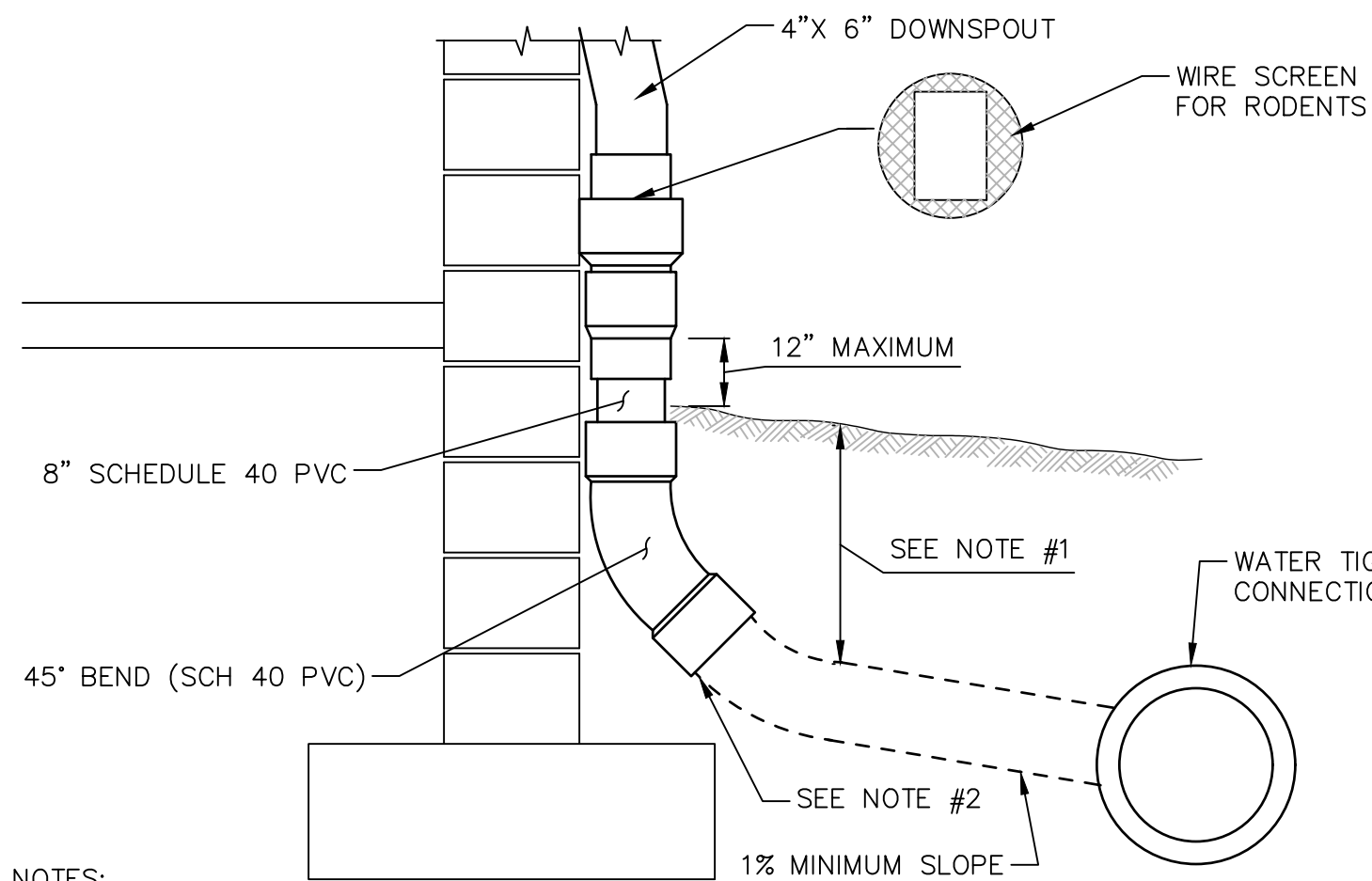
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TYPICAL DRAINAGE TRENCH AND BEDDING

NTS

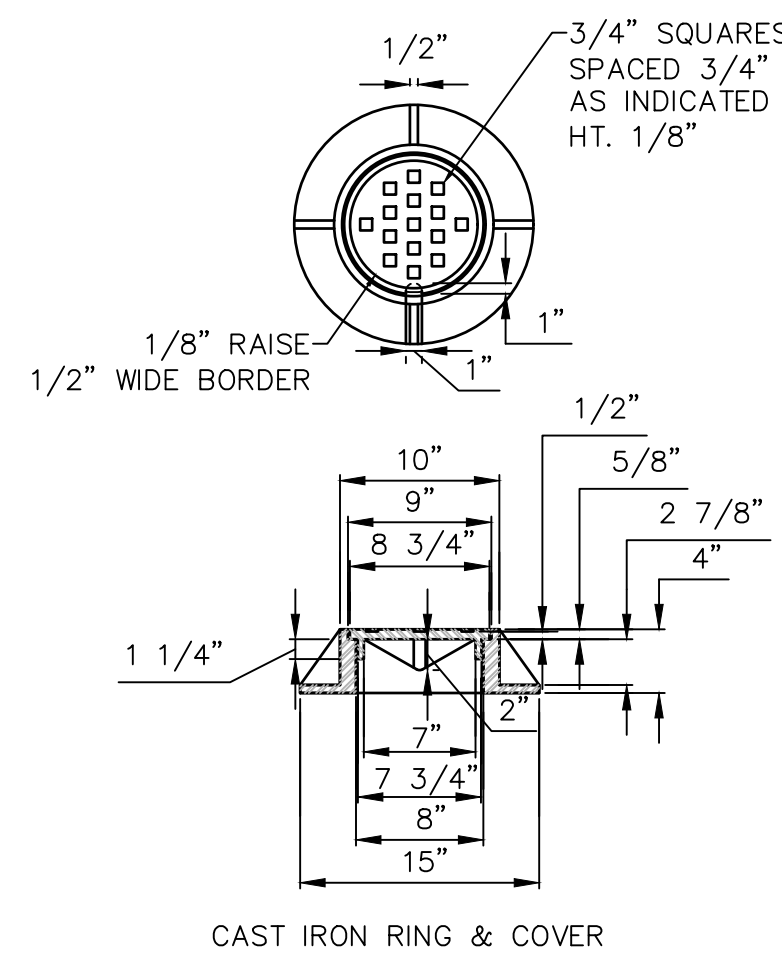
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DOWNSPOUT COLLECTOR DETAIL

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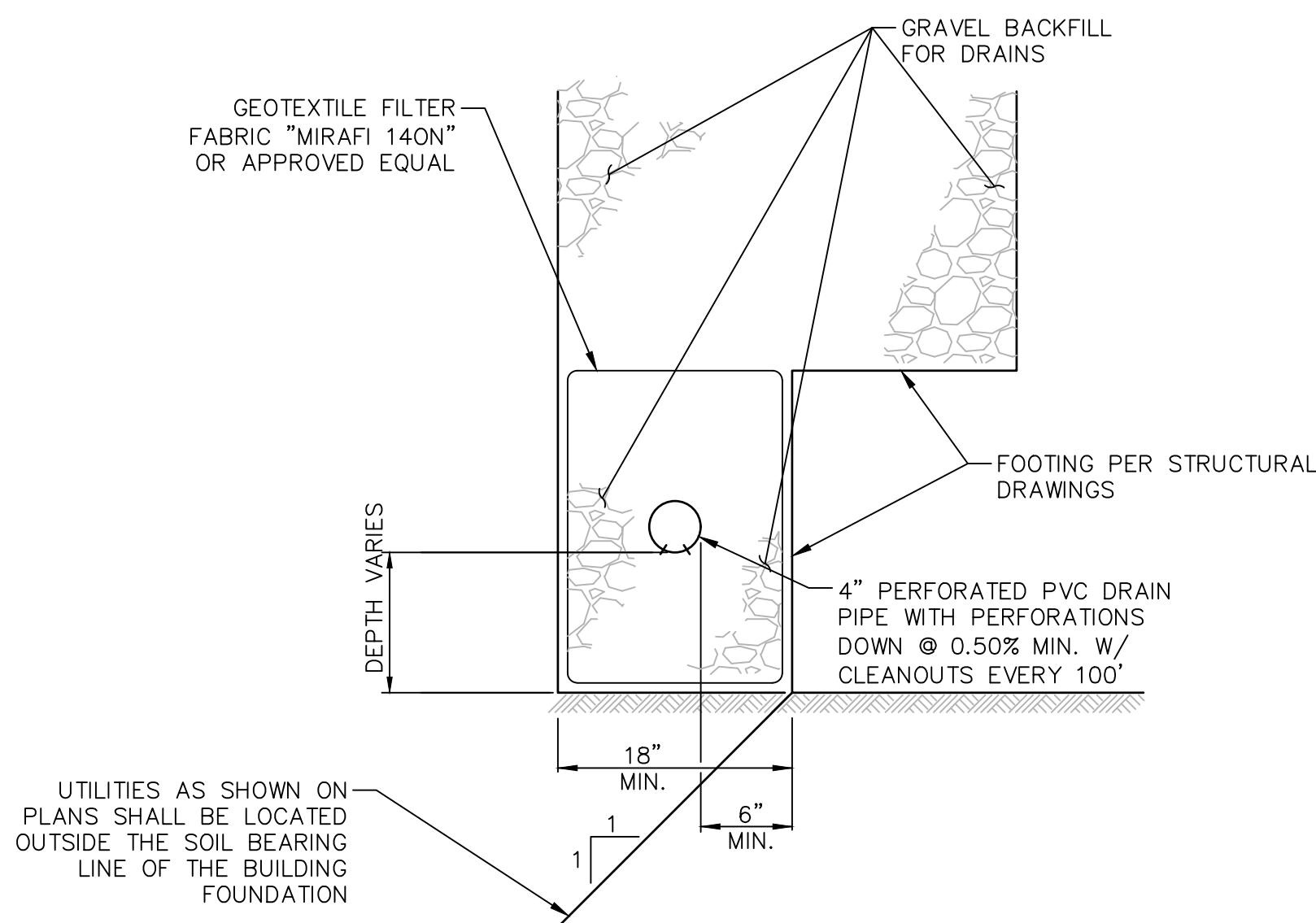
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STORM DRAIN CLEANOUT

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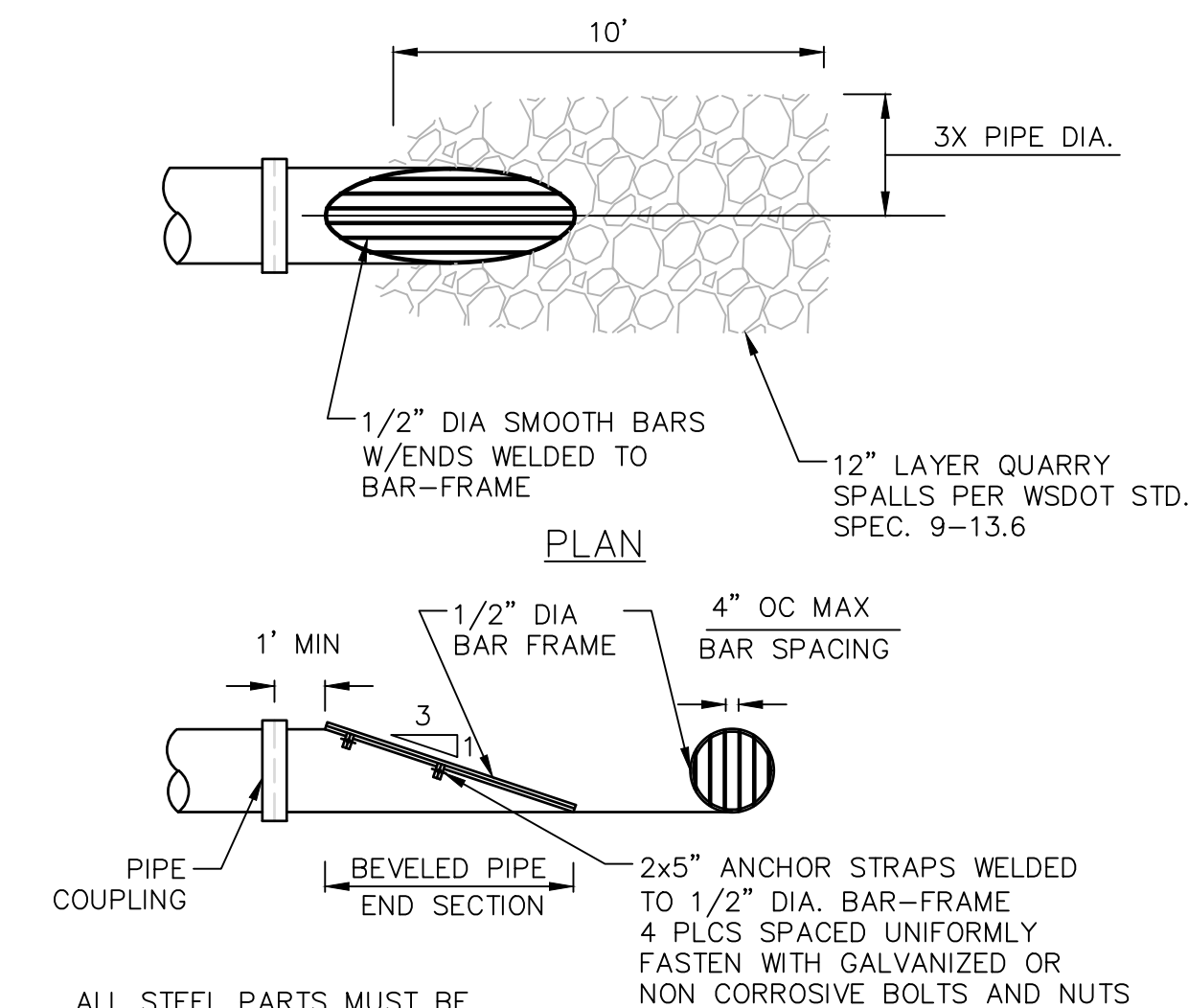
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FOOTING DRAINAGE

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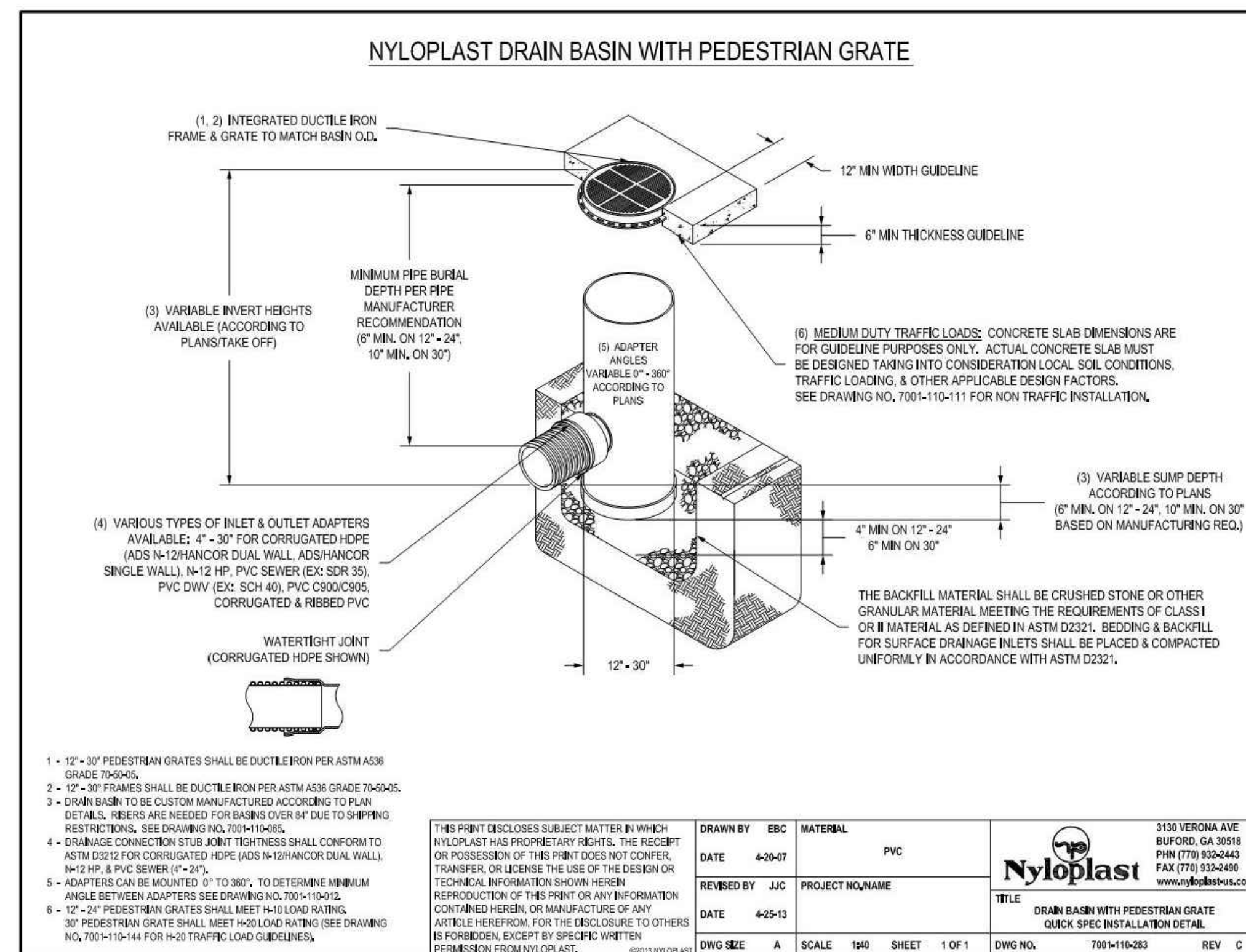
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OUTFALL PROTECTION

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5

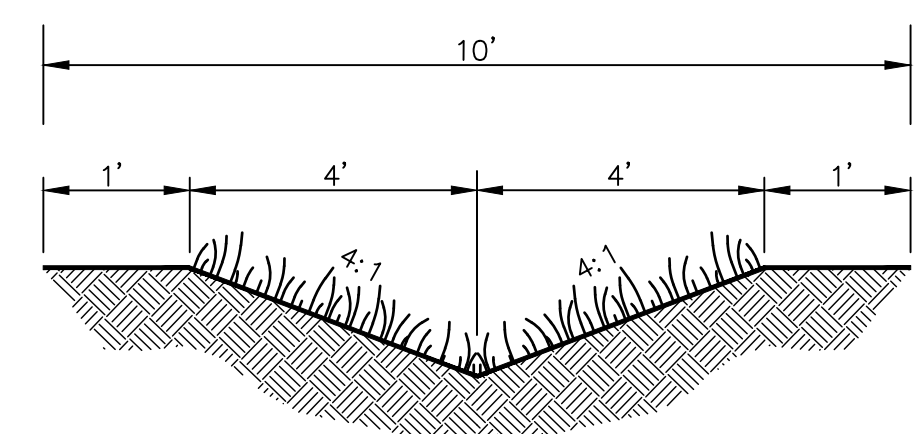


* OR APPROVED EQUAL

AREA DRAIN

NTS

6



GRASS LINED SWALE SECTION

NTS

7



REVISIONS

REV	ISSUED FOR:	DATE
	PERMIT SET	10.11.19



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SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M.

PROJECT TEAM

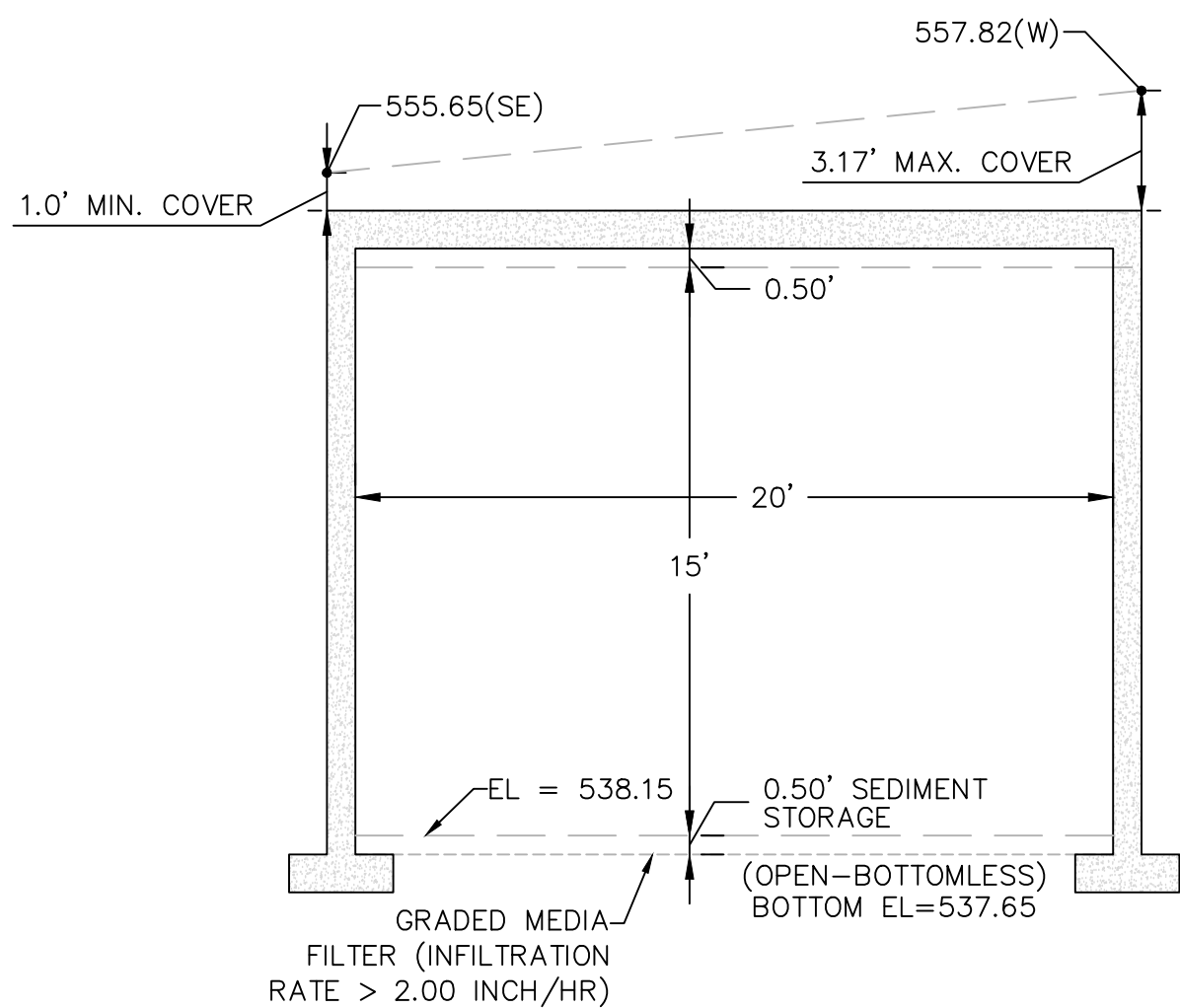
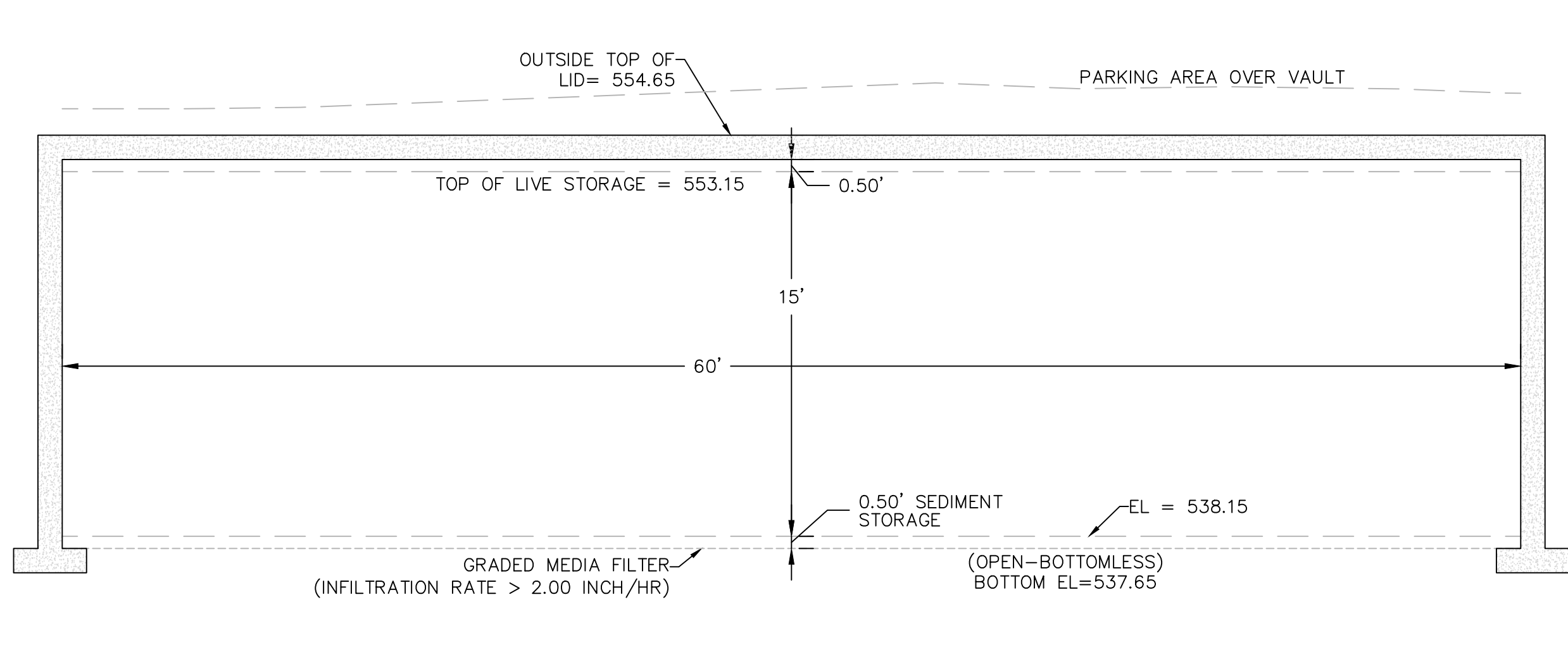
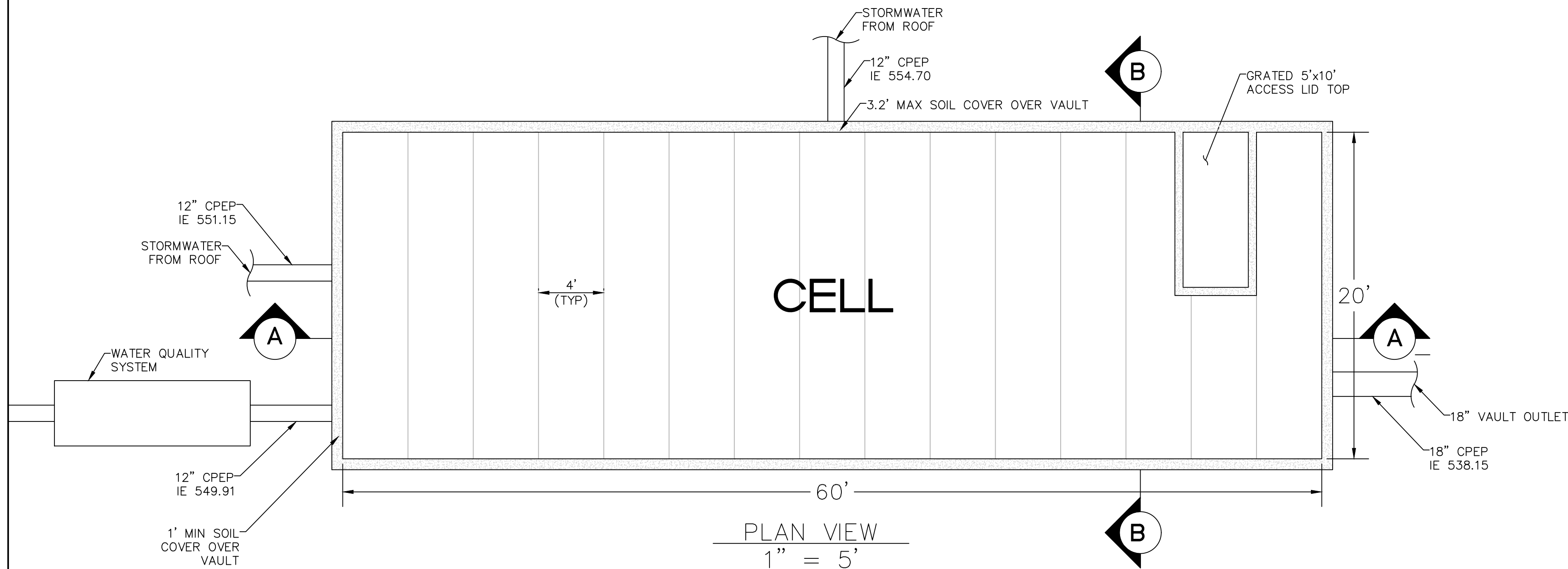
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DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

STORM
DRAINAGE
DETAILS

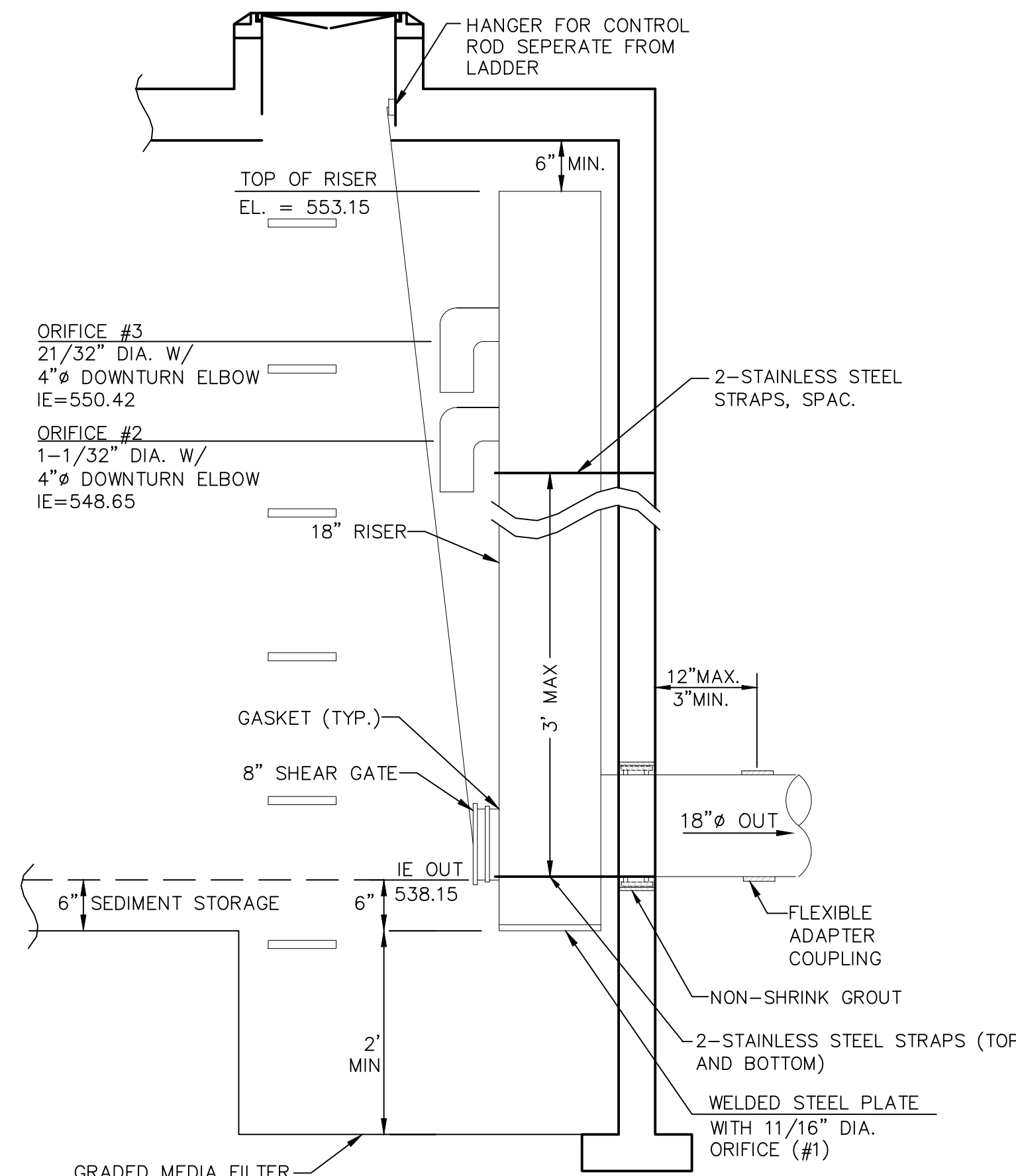
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NOTE
1. STRUCTURAL PLANS FOR VAULT TO BE INCLUDED WITH FUTURE SUBMITTAL.

STORMWATER VAULT DETAILS



VAULT CONTROL STRUCTURE

CLIENT/OWNER

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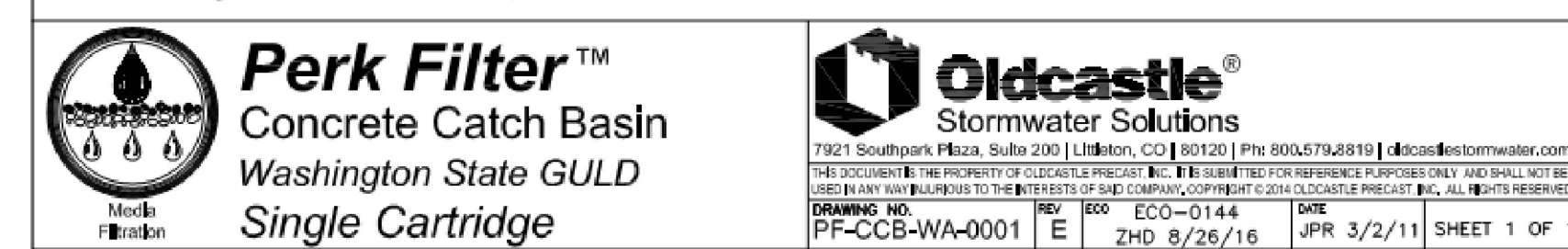
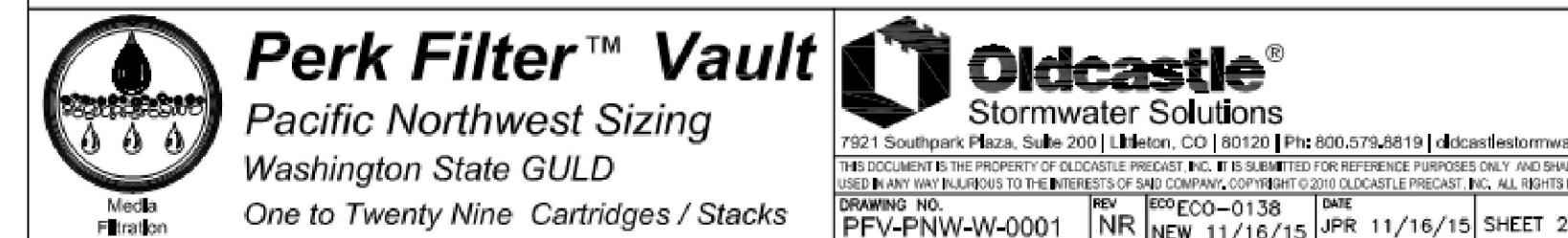
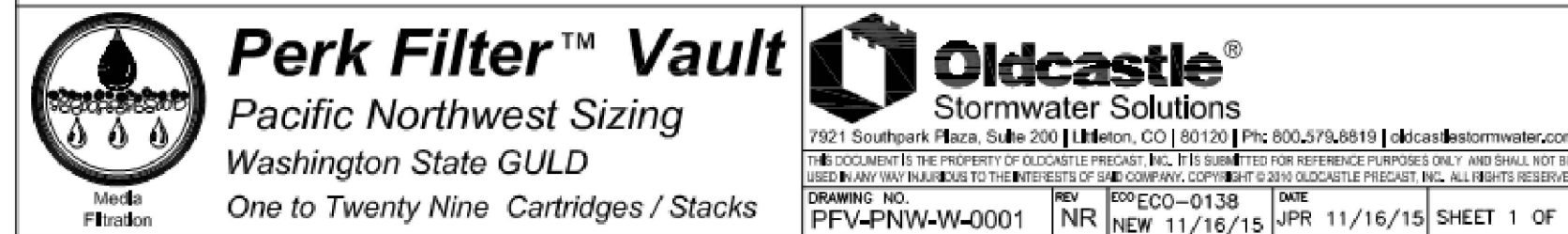
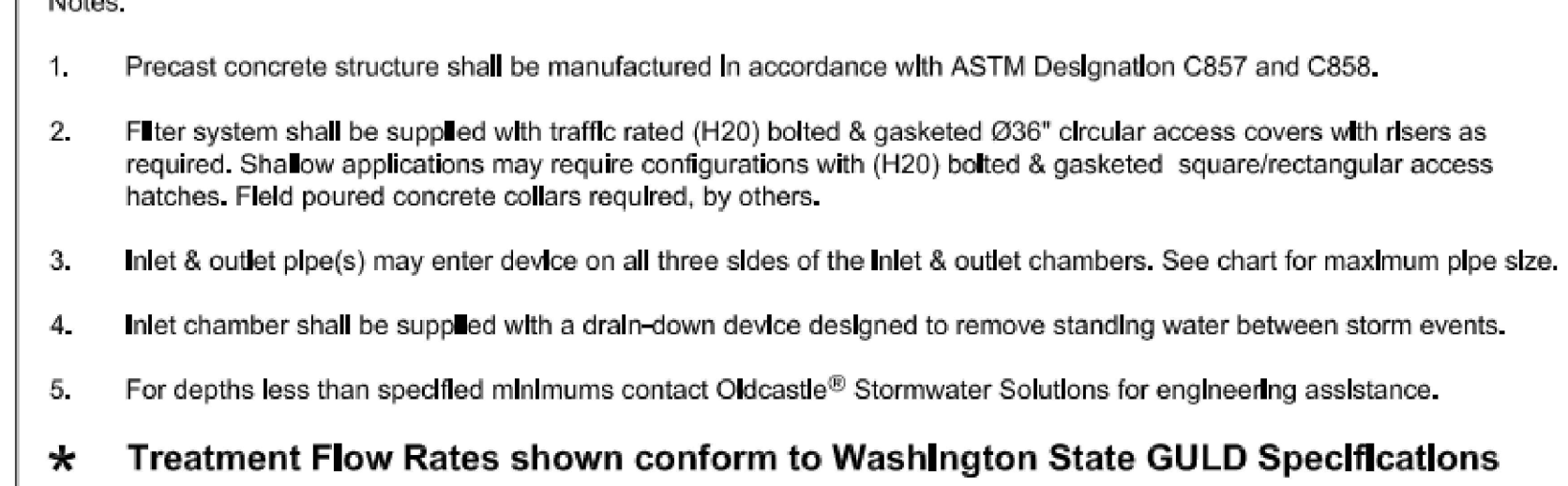
REVIEWED BY: S.HUMPHREY
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STORM
DRAINAGE
DETAILS

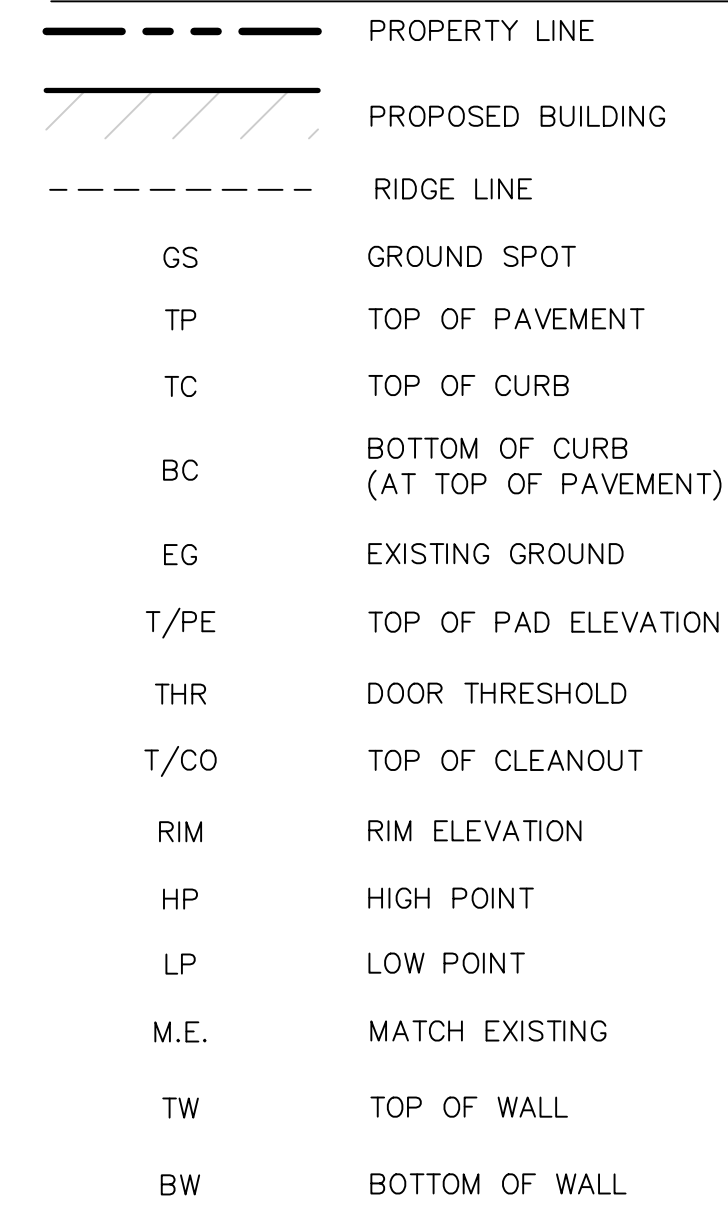
SHEET NUMBER

C-2.3





1. THE SPOT ELEVATIONS INDICATED ON THIS PLAN REPRESENT THE DESIGN TOP OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
3. ALL LAWN AREAS SHALL RECEIVE 4 INCHES OF TOPSOIL AND ALL OTHER LANDSCAPED AREAS SHALL RECEIVE 6 INCHES OF TOPSOIL PER LANDSCAPING SPECIFICATIONS. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS WITH GRASS IN ACCORDANCE WITH LOCAL SPECIFICATION UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
4. ALL CUT AND FILL SLOPES SHALL BE CONSTRUCTED PER THE UBC CODE AND APPLICABLE LOCAL REGULATION. ALL CUT AND FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS AND SHALL GRADE ALL AREAS TO PRECLUDE PONDING OF WATER.
6. ALL POLLUTANTS OTHER THAN SEDIMENT ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
7. PROPERTIES AND WATERWAYS DOWNSTREAM OF THE SITE SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM PROJECT SITE.
8. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
9. CONTRACTOR TO REMOVE UNSUITABLE SOILS LOCATED WITHIN THE BUILDINGS SPLAY LINE OF THE FOOTINGS.
10. FOR BOUNDARY AND TOPOGRAPHIC INFORMATION REFER TO PROJECT SURVEY.
11. FOR LAYOUT INFORMATION REFER TO THE SITE PLAN.

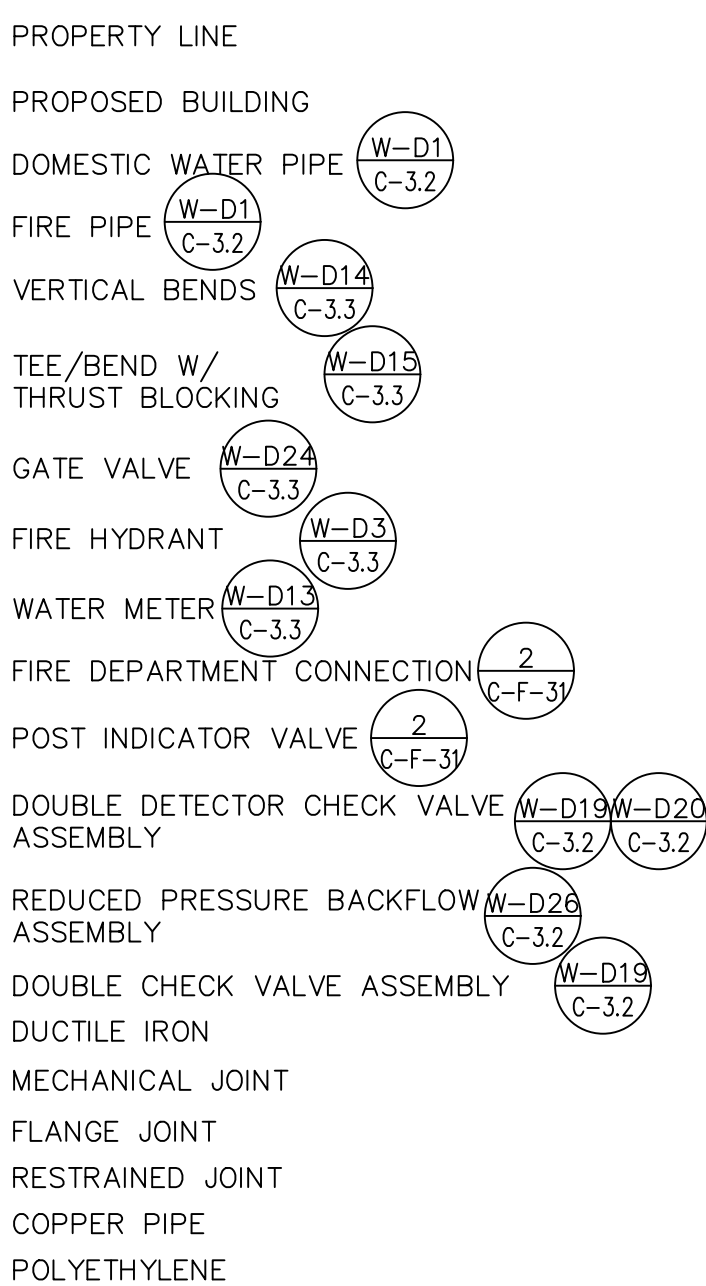


1. ADJUST ALL RIMS (EXISTING AND PROPOSED) TO FINISHED GRADE.
2. HIGH POINTS IN PAVED AREAS ARE CRITICAL TO THE FUNCTION OF SURFACE WATER COLLECTION. CONTRACTOR TO CONTACT ENGINEER IF PROPOSED GRADES AT HIGH POINTS AND INLET RIM ELEVATIONS ARE UNABLE TO BE ACHIEVED.



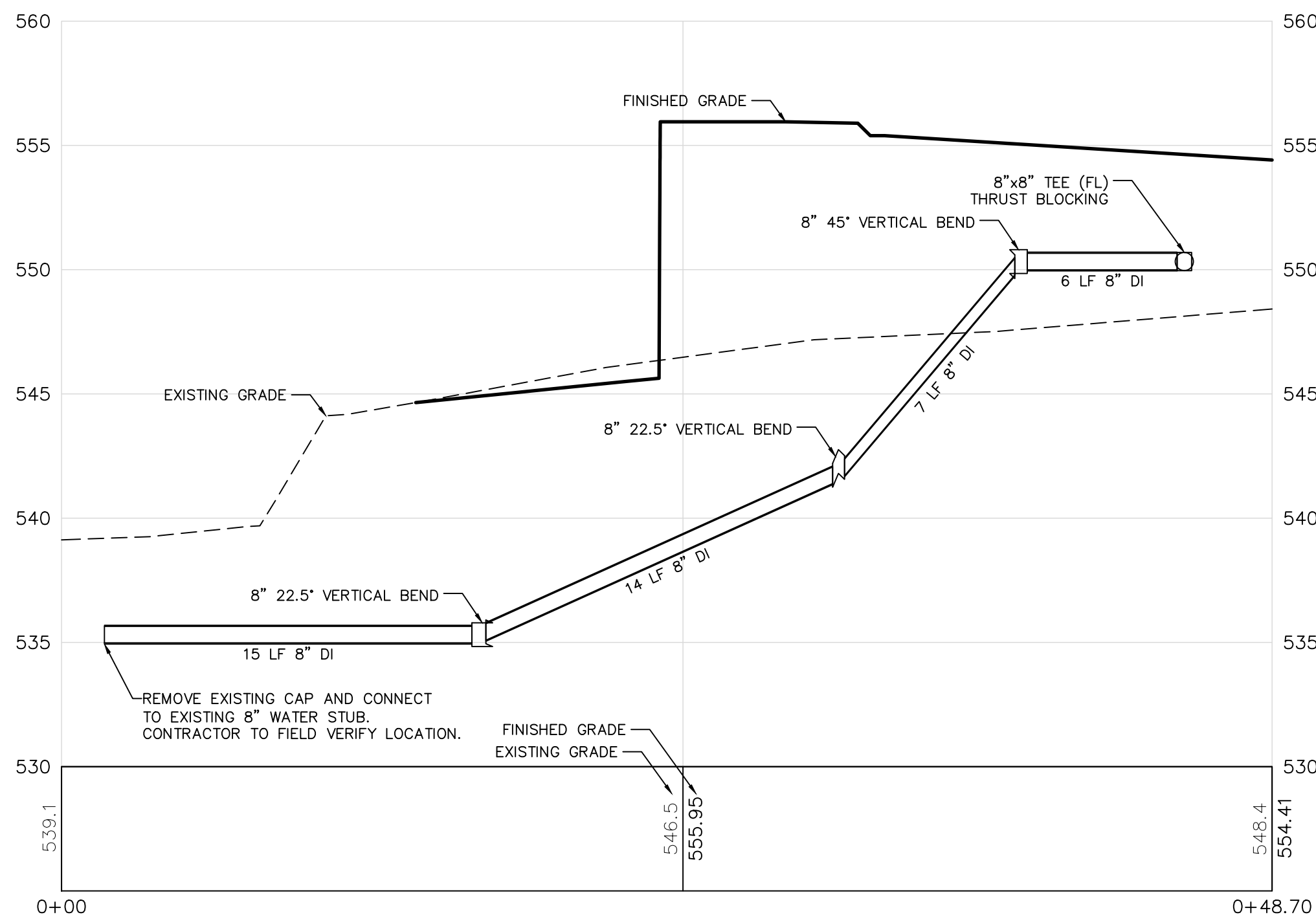


LEGEND



NOTES

1. PROVIDE NECESSARY REDUCERS AT POINT OF CONNECTION TO ARCH/MECH/PLUMB.
2. INSTALL 6" DRAIN FROM PROPOSED DDCVA TO NEAREST CATCHBASIN.



WATER BEND PROFILE
STATION 0+00 TO 0+48.70
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 5'

PROJECT MUST BE COMPLETED AND OWNERSHIP TRANSFERRED TO THE MUKILTEO WATER AND WASTEWATER DISTRICT WITHIN 1 YEAR FROM THE DATE OF APPROVAL. IN THE EVENT THAT THE PROJECT DEVELOPER FAILS TO DO SO, THE PROJECT WILL BE SUBJECT TO REAPPLICATION, ADDITIONAL PLAN REVIEW AND REVISION, DUE TO ANY CHANGES IN DISTRICT STANDARDS OR REQUIREMENTS OCCURRING PRIOR TO COMPLETION AND TRANSFER OF OWNERSHIP. WATER/SEWER SERVICE IS AVAILABLE ONLY AFTER PAYMENT OF ALL CURRENT FEES, RECORDING OF EASEMENTS AND TRANSFER OF OWNERSHIP TO THE DISTRICT.



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PROJECT ADDRESS

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MUKILTEO, WA 98275**

STAMP



REVISIONS

[illegible]

SECTION. TOWNSHIP. RANGE:

**SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M**

PROJECT TEAM

REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

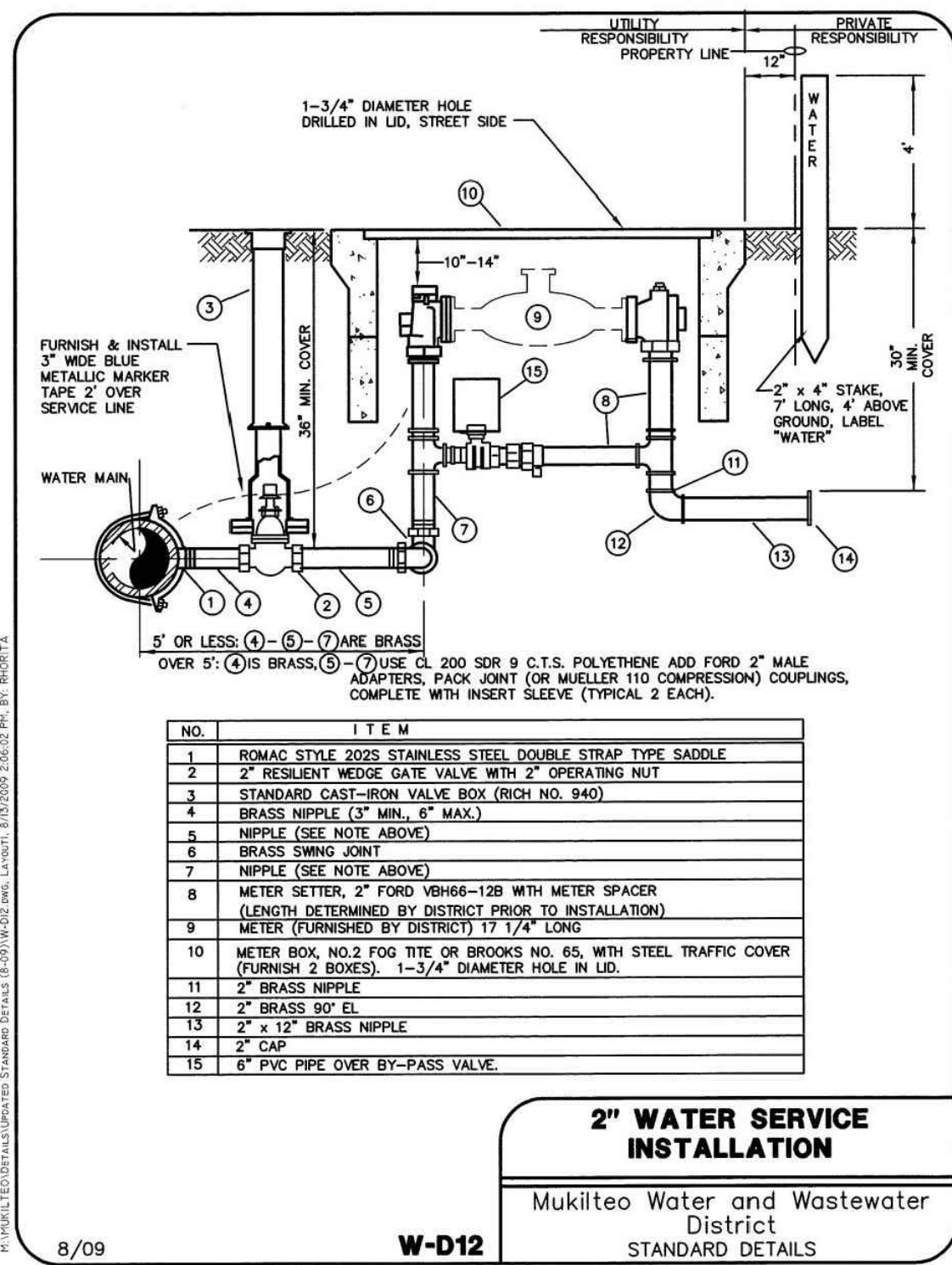
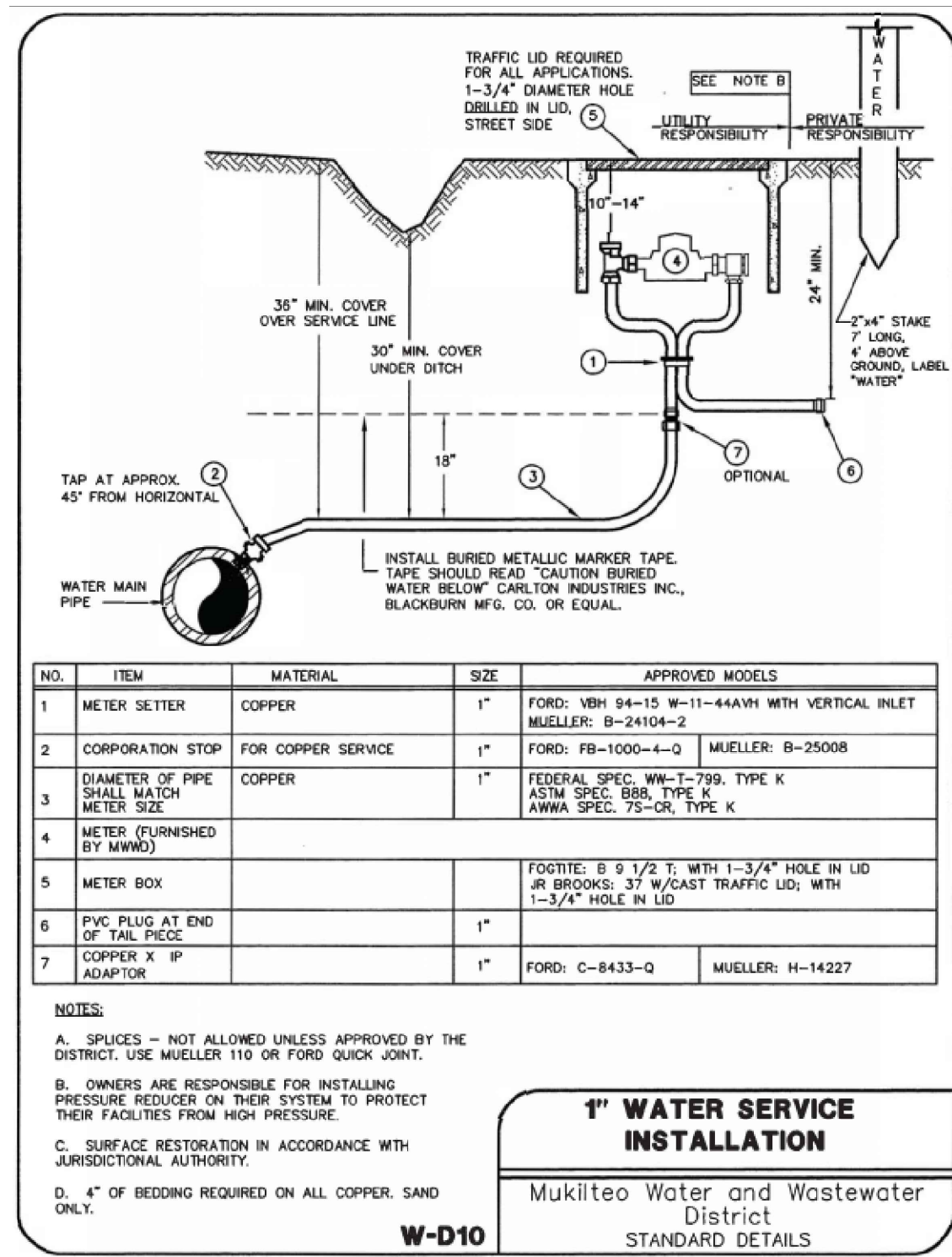
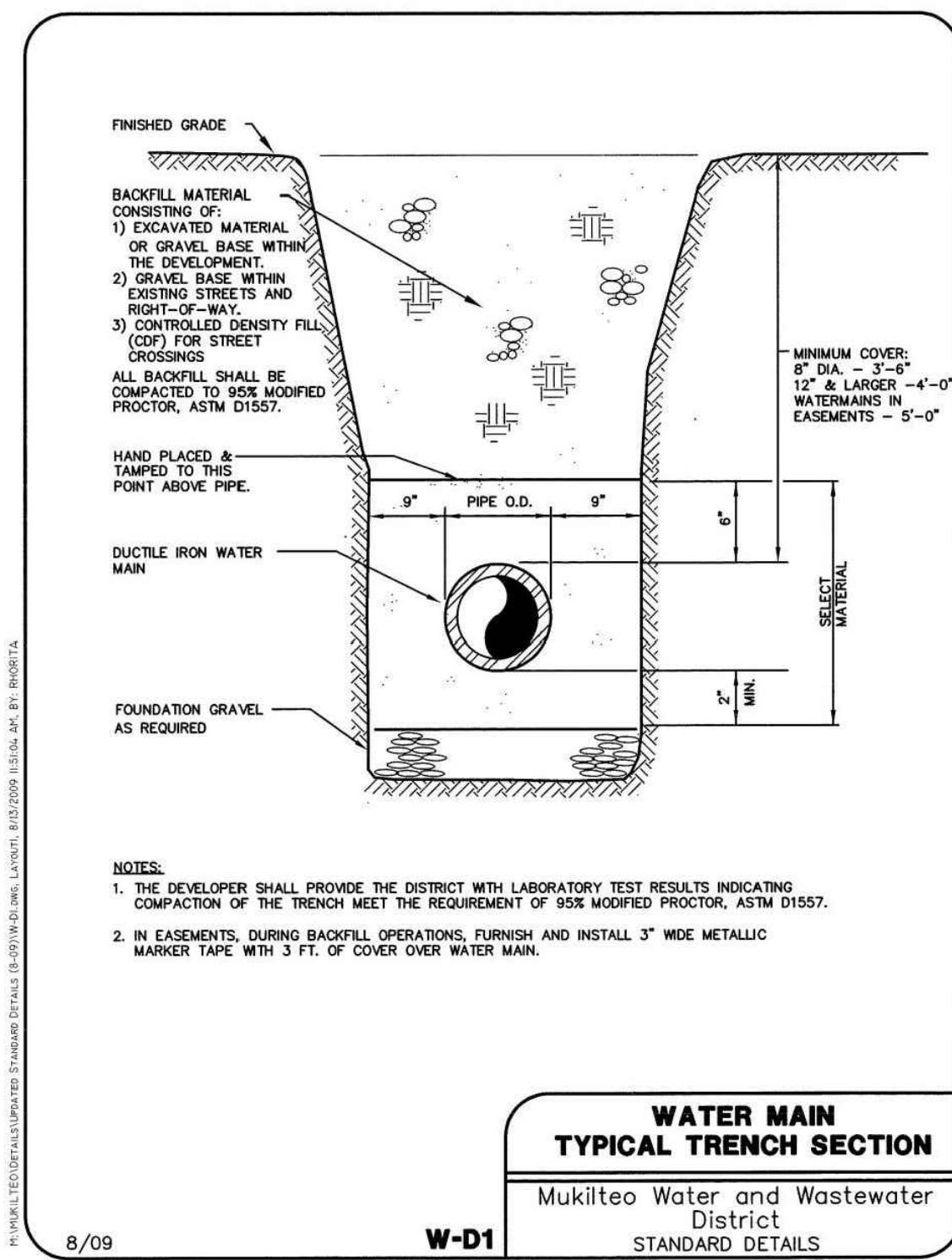
WATER PLAN

SHEET NUMBER

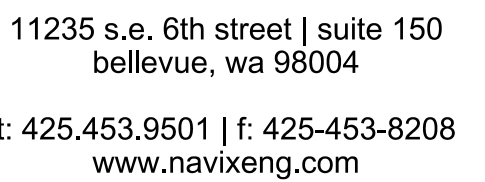
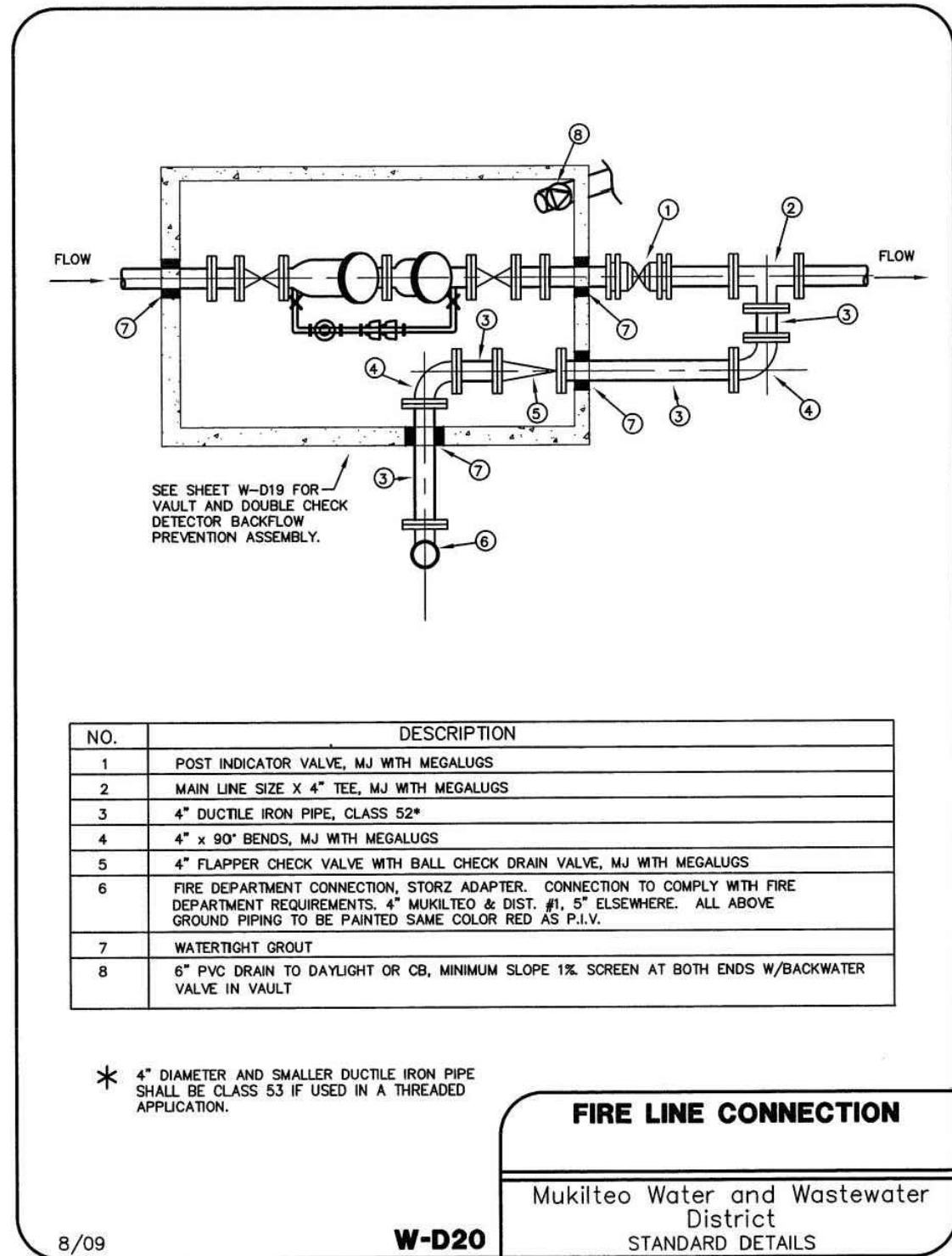
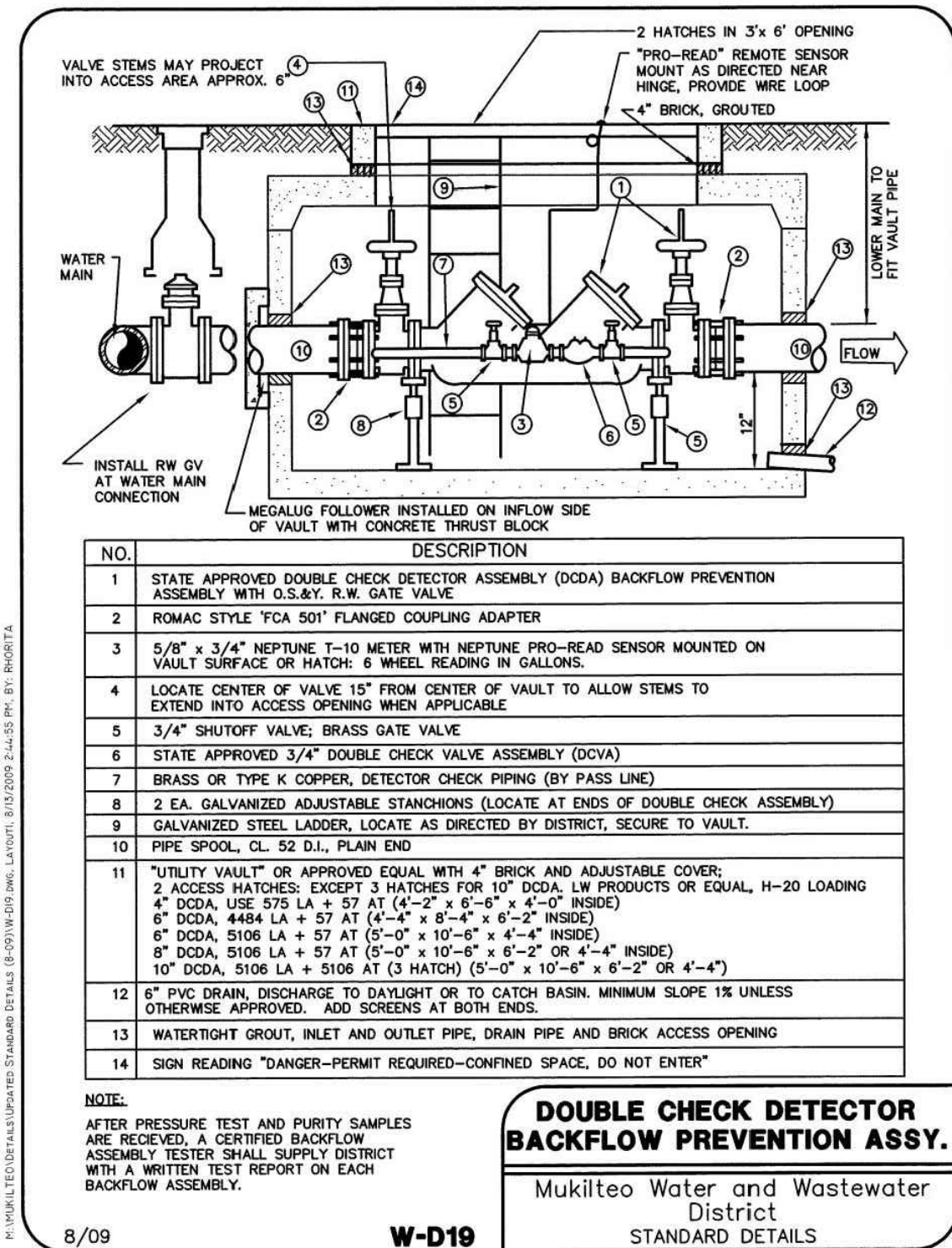
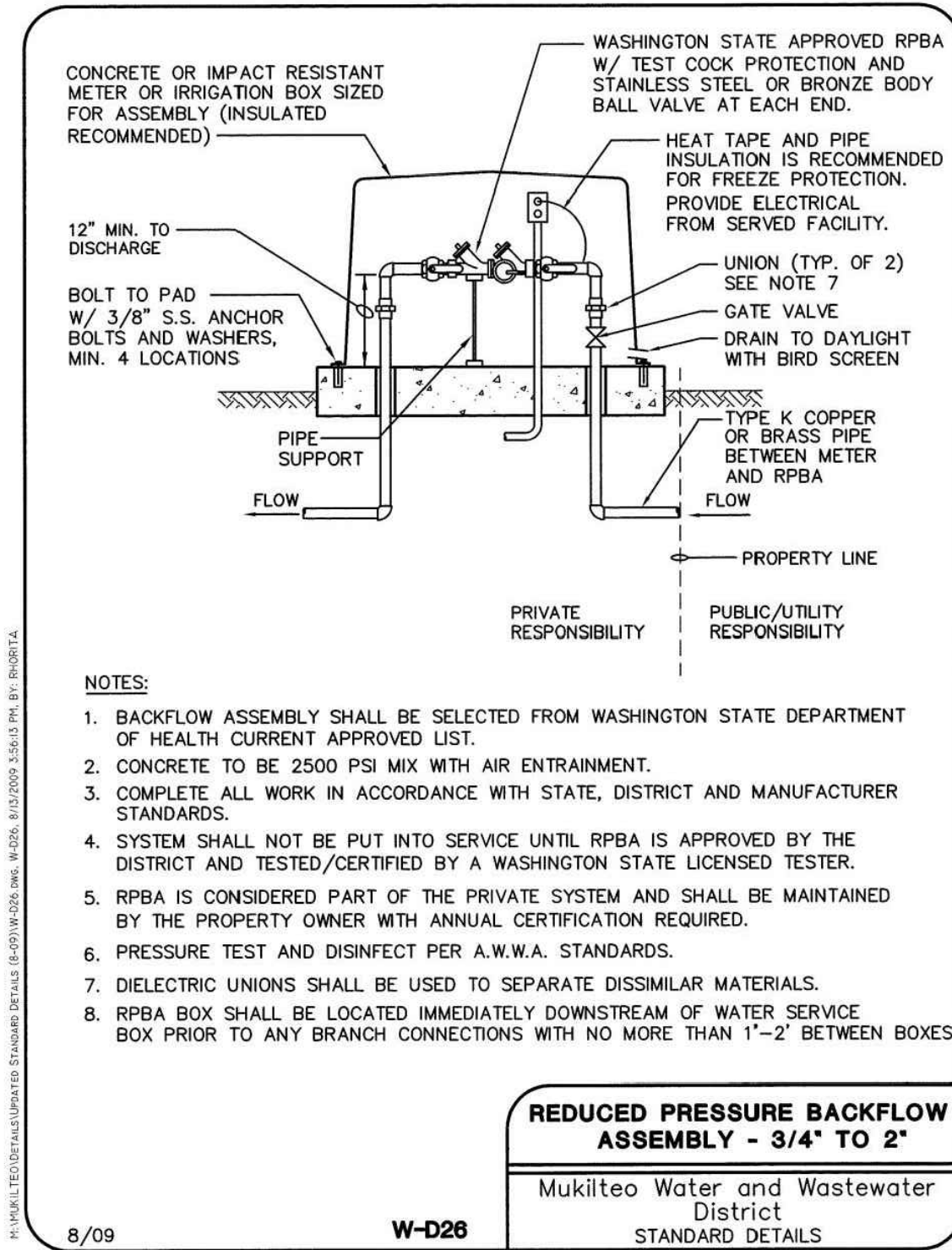
C-3.0

- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE DEVELOPER SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH THE MUKILTEO WATER AND WASTEWATER DISTRICT. THE DEVELOPER, CONTRACTOR AND PROPOSED ON-SITE SUPERVISORS SHALL ATTEND.
2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST REVISION, INCLUDING ADDENDA AND UPDATES, OF THE MUKILTEO WATER AND WASTEWATER DISTRICT DEVELOPER STANDARDS. CONTRACTOR TO HAVE MUKILTEO WATER AND WASTEWATER DISTRICT STANDARDS ON JOB SITE.
3. NO DISTRICT INSPECTIONS WILL TAKE PLACE AND THE JOB WILL BE SHUT DOWN UNLESS AN APPROVED AND DISTRICT SIGNED COPY OF THESE PLANS ARE ON THE JOB SITE AT ALL TIMES CONSTRUCTION IS IN PROGRESS.
4. ALL WATER SYSTEM IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS. ANY DEVIATION FROM THE PLANS WILL REQUIRE APPROVAL FROM THE OWNER, ENGINEER, DISTRICT AND APPROPRIATE PUBLIC AGENCIES.
5. NOTIFY THE DISTRICT 72 HOURS (3 WORKING DAYS) PRIOR TO BEGINNING CONSTRUCTION AND FOR ANY RESTARTS OF WORK.
6. THE DISTRICT SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO THE TIME THE DEVELOPER WOULD LIKE TO CONNECT TO EXISTING MAINS OR FOR INSTALLATION OF TAPPING TEES. THE CONNECTION SHALL BE DONE IN ACCORDANCE WITH DISTRICT REQUIREMENTS. CONNECTIONS TO TAKE PLACE TUESDAYS THROUGH THURSDAYS ONLY. DEVELOPER SHALL NOT OPERATE ANY DISTRICT VALVES; THESE WILL BE OPERATED BY WATER DISTRICT PERSONNEL ONLY.
7. FOR AID IN UTILITY LOCATION, CALL 1-800-424-5555, A MINIMUM OF 48 HOURS (2 WORKING PRIOR TO BEGINNING OF CONSTRUCTION. EXISTING UTILITIES, WHETHER SHOWN OR NOT, SHALL BE LOCATED PRIOR TO CONSTRUCTION, SO AS TO AVOID DAMAGE OR DISTURBANCE, AND THE DEVELOPER SHALL ASSUME ALL RESPONSIBILITY AND COSTS CONNECTED THEREWITH TO PROTECT, MAINTAIN AND REPAIR, WHERE NECESSARY.
8. WATER LINE CONSTRUCTION WITHIN THE PROPOSED DEVELOPMENT SHALL NOT COMMENCE UNTIL THE STREET HAS BEEN BROUGHT TO SUB-GRADE, MEETING MUKILTEO WATER DISTRICT APPROVAL.
9. WATER MAIN SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION, WITH 25-FOOT STAKES ON LOT CORNER STAKES SHALL ALSO BE IN PLACE PRIOR TO CONSTRUCTION.
10. PIPE SHALL BE DUCTILE IRON, AWWA CLASS 52 THICKNESS, WITH RUBBER GASKETS, PUSHION TYPE, OR MECHANICAL JOINT, MEETING AWWA SPECIFICATIONS. FITTINGS SHALL BE AWWA, CEMENT LINED, DUCTILE IRON, AND EITHER MECHANICAL JOINT OR FLANGED, AS INDICATED HEREIN. ALL PIPE TO BE PURCHASED AND INSTALLED AS A PART OF THE DEVELOPERS WATER SYSTEM SHALL BE DELIVERED TO THE JOB SITE WITH WATER TIGHT WRAPPING OR PIPE PLUGS. PLUGS AND/OR WRAPPING SHALL REMAIN IN PLACE UNTIL THE PIPE IS INSTALLED IN THE TRENCH.
11. UNLESS OTHERWISE SPECIFIED VALVES 12-INCH AND SMALLER SHALL BE DUCTILE IRON RESILIENT SEATED GATE VALVES; ACCEPTABLE VALVES ARE MUELLER, CLOW, M&H, U.S. PIPE AND AMERICAN FLOW CONTROL, SERIES 2500. VALVES LARGER THAN 12-INCHES SHALL BE DUCTILE IRON BUTTERFLY VALVES; ACCEPTABLE VALVES ARE PRATT GROUNDHOG AND DRESSER 450.
12. ALL BOLTS ON WATER WORKS FITTINGS SHALL BE COATED WITH ARMITE ANTI-SEIZE COMPOUND NO. 609, OR EQUAL, PRIOR TO INSTALLATION. ALL WATER WORKS FITTINGS AND BOLTED ASSEMBLIES SHALL BE COMPLETELY COVERED WITH VISQUEEN PLASTIC, 4-MIL. THE END OF THE PLASTIC SHALL BE TAPED TO SECURE THEM TO THE PIPE.
13. HYDRANTS SHALL BE MUELLER CENTURION A-423, CLOW MEDALLION, OR DRESSER RELIANT 929 MEETING AWWA SPECIFICATIONS. HYDRANTS SHALL BE FURNISHED WITH THREADED OUTLETS, MEETING FIRE DISTRICT/DEPARTMENT STANDARDS. BOTH THRUST BLOCKING AND MEGA LUGS RESTRAINTS ARE REQUIRED ON EACH HYDRANT INSTALLATION.
 - HYDRANTS WITHIN THE CITY OF MUKILTEO FIRE SERVICE AREA AND FIRE DISTRICT #1 SHALL BE EQUIPPED WITH 4-INCH STORZ ADAPTERS; ALL OTHER HYDRANTS SHALL UTILIZE A 5-INCH STORZ ADAPTER. ALL HYDRANTS SHALL HAVE A 4-1/2-INCH NST THREADS ON PUMPER PORT.

4. PROVIDE THRUST BLOCKING AND/OR RESTRAINED JOINTS AT ALL FITTINGS AND BENDS AND UPTHRUST FITTINGS, IN ACCORDANCE WITH DISTRICT STANDARDS, CONDITIONS AND SPECIFICATIONS.
15. ALL NEW CONNECTIONS TO THE EXISTING WATER SYSTEM SHALL BE IN STRICT CONFORMANCE WITH THE APPROPRIATE SUBSECTIONS OF THE SPECIFICATIONS OF THE DISTRICT. NO CONNECTION SHALL BE MADE BETWEEN THE NEW MAIN AND THE EXISTING MAINS UNTIL THE NEW PIPING HAS BEEN FLUSHED, DISINFECTED, TESTED AND RECEIVED SATISFACTORY BACTERIOLOGICAL TEST RESULTS.
16. INDIVIDUAL WATER SERVICES TO THE PROPERTY LINE SHALL BE 1-INCH DIAMETER MINIMUM SIZE AND BE INSTALLED WITH 36-INCH MINIMUM COVER.
17. RESIDENTIAL FIRE SPRINKLER SYSTEMS SHALL HAVE A MINIMUM 1-INCH METER/SERVICE. BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED ON ALL RESIDENTIAL FIRE SPRINKLER SYSTEMS AND LOCATED IMMEDIATELY BEHIND THE WATER METER/SERVICE ON THE PROPERTY SIDE.
18. FIRE LINE SERVICES SHALL HAVE A DOUBLE CHECK DETECTOR BACKFLOW PREVENTION ASSEMBLY INSTALLED IN A UTILITY VAULT AT THE ROW/PROPERTY LINE WITH A 6-INCH PVC GRAVITY DRAIN TO STORM. FIRE LINE SERVICE SHALL TERMINATE, IN THE STRUCTURE TO BE SERVED, WITH THE DISTRICT'S RISER DETAIL.
19. ALL COMMERCIAL, MULTI-FAMILY, INDUSTRIAL AND IRRIGATION SERVICES SHALL INCLUDE A DOH APPROVED BACKFLOW PREVENTION ASSEMBLY LOCATED IMMEDIATELY BEHIND AND ON THE PROPERTY SIDE OF THE WATER METER. ALTERNATE LOCATIONS MAY BE ACCEPTABLE UPON APPROVAL BY THE DISTRICT. STRUCTURES REQUIRING FIRE SPRINKLER SYSTEM SHALL HAVE AT LEAST ONE BACKFLOW PREVENTION ASSEMBLY PER EACH STRUCTURE, PROTECTING THE POTABLE WATER SYSTEM FROM THE FIRE SYSTEM. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE LOCATED IN A FLOOD PROOF VAULT OR SERVICE BOX, DEPENDING ON SIZE, OUTSIDE THE STRUCTURE IN A LOCATION APPROVED BY THE DISTRICT.



3. WATER LINE CONSTRUCTION WITHIN THE PROPOSED DEVELOPMENT SHALL NOT COMMENCE UNTIL THE STREET HAS BEEN BROUGHT TO SUB-GRADE, MEETING MUKILTEO WATER DISTRICT APPROVAL.
9. WATER MAIN SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION, WITH 25-FOOT STAKES ON LOT CORNER STAKES SHALL ALSO BE IN PLACE PRIOR TO CONSTRUCTION.
10. PIPE SHALL BE DUCTILE IRON, AWWA CLASS 52 THICKNESS, WITH RUBBER GASKETS, PUSHON TYPE, OR MECHANICAL JOINT, MEETING AWWA SPECIFICATIONS. FITTINGS SHALL BE AWWA, CEMENT LINED, DUCTILE IRON, AND EITHER MECHANICAL JOINT OR FLANGED, AS INDICATED HEREIN. ALL PIPE TO BE PURCHASED AND INSTALLED AS A PART OF THE DEVELOPER'S WATER SYSTEM SHALL BE DELIVERED TO THE JOB SITE WITH WATER TIGHT WRAPPING OR PIPE PLUGS. PLUGS AND/OR WRAPPING SHALL REMAIN IN PLACE UNTIL THE PIPE IS INSTALLED IN THE TRENCH.
11. UNLESS OTHERWISE SPECIFIED VALVES 12-INCH AND SMALLER SHALL BE DUCTILE IRON RESILIENT SEATED GATE VALVES: ACCEPTABLE VALVES ARE MUELLER, CLOW, M&H, U.S. PIPE AND AMERICAN FLOW CONTROL, SERIES 2500. VALVES LARGER THAN 12-INCHES SHALL BE DUCTILE IRON BUTTERFLY VALVES; ACCEPTABLE VALVES ARE PRAIRIE GROUNDHOG AND DRESSER 450.
12. ALL BOLTS ON WATER WORKS FITTINGS SHALL BE COATED WITH ARMITTE ANTI-SEIZE COMPOUND NO. 609, OR EQUAL, PRIOR TO INSTALLATION. ALL WATER WORKS FITTINGS AND BOLTED ASSEMBLIES SHALL BE COMPLETELY COVERED WITH VISQUEEN PLASTIC, 4-MIL. THE END OF THE PLASTIC SHALL BE TAPED TO SECURE THEM TO THE PIPE.
13. HYDRANTS SHALL BE MUELLER CENTURIUM A-423, CLOW MEdALLION, OR DRESSER RELIANT 929 MEETING AWWA SPECIFICATIONS. HYDRANTS SHALL BE FURNISHED WITH THREADED OUTLETS, MEETING FIRE DISTRICT/DEPARTMENT STANDARDS. BOTH THRUST BLOCKING AND MEGA LUGS RESTRAINTS ARE REQUIRED ON EACH HYDRANT INSTALLATION.
 - HYDRANTS WITHIN THE CITY OF MUKILTEO FIRE SERVICE AREA AND FIRE DISTRICT #1 SHALL BE EQUIPPED WITH 4-INCH STORZ ADAPTERS; ALL OTHER HYDRANTS SHALL UTILIZE A 5-INCH STORZ ADAPTER. ALL HYDRANTS SHALL HAVE A 4-1/2-INCH NST THREADS ON PUMPER PORT.
20. WHERE ROAD GRADES ARE ESTABLISHED, PROVIDE A MINIMUM OF 48-INCH COVER OVER 12-INCH OR LARGER WATER MAINS; AND PROVIDE A MINIMUM OF 42-INCH COVER OVER 8-INCH MAINS; OR ADDITIONAL DEPTH AS REQUIRED TO MISS OTHER UTILITIES.
21. WATER MAINS CONSTRUCTED WITHIN EASEMENTS OR PRIVATE ROADS SHALL BE INSTALLED WITH POLYETHYLENE ENCASEMENT, RESTRAINED JOINTS AND WITH A 5'-0" MINIMUM COVER. DURING BACKFILL OPERATIONS, FURNISH AND INSTALL 3-INCH-WIDE METALLIC MARKER TAPE WITH 3- FEET OF COVER OVER WATER MAIN.
22. MINIMUM RADIUS FOR 12-INCH AND SMALLER PIPELINES CONSTRUCTED ON CURVES (4 DEGREE DEFLECTION PER JOINT) IS 258'-FEET.
23. COMPACTION: ALL TRENCH BACKFILL AND ROADWAY EMBANKMENT SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR DRY MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557, EXCEPT THE TOP 6-INCHES IN PAVED AREAS, WHICH SHALL BE 100%.
24. CONSTRUCTION INSPECTION WILL BE DONE BY MUKILTEO WATER AND WASTEWATER DISTRICT AND/OR THEIR DESIGNATED ENGINEER. NO UTILITY FACILITIES WILL BE ACCEPTED BY THE DISTRICT IF PROPER INSPECTIONS HAVE NOT BEEN COMPLETED.
25. THE WATER MAIN CONSTRUCTION PHASE WILL NOT BE CONSIDERED COMPLETE UNTIL THE INSTALLATION IS ACCEPTABLE TO THE DISTRICT INCLUDING A SATISFACTORY HYDROSTATIC PRESSURE TEST, A SATISFACTORY DISINFECTION TEST, SATISFACTORY FLOW OF SERVICE LINES, AND COMPLETION OF ALL ITEMS ON THE INSPECTOR'S PUNCH LIST.
26. WATER SERVICE IS AVAILABLE ONLY AFTER TRANSFER OF OWNERSHIP TO THE DISTRICT AND AFTER PAYMENT OF ALL CURRENT APPLICABLE FEES.

**CLIENT/OWNER**

PROJECT NAME

NELSON 43

NAVIX PROJECT NUMBER: 50-609-001

PROJECT ADDRESS

**4301 78TH ST SW
MUKILTEO, WA 98275**

STAMP

[illegible]

SECTION, TOWNSHIP, RANGE:

**SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M**

PROJECT TEAM

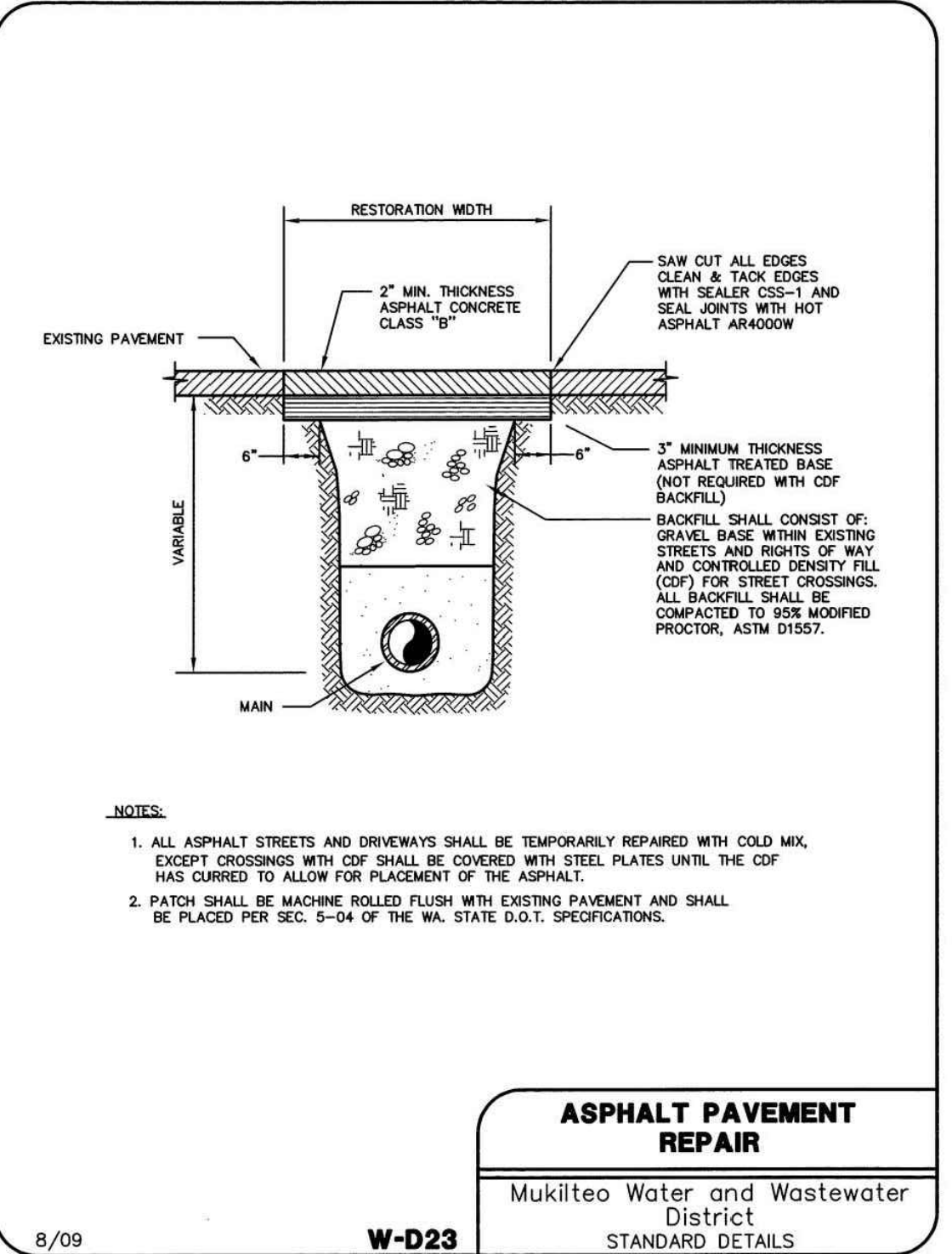
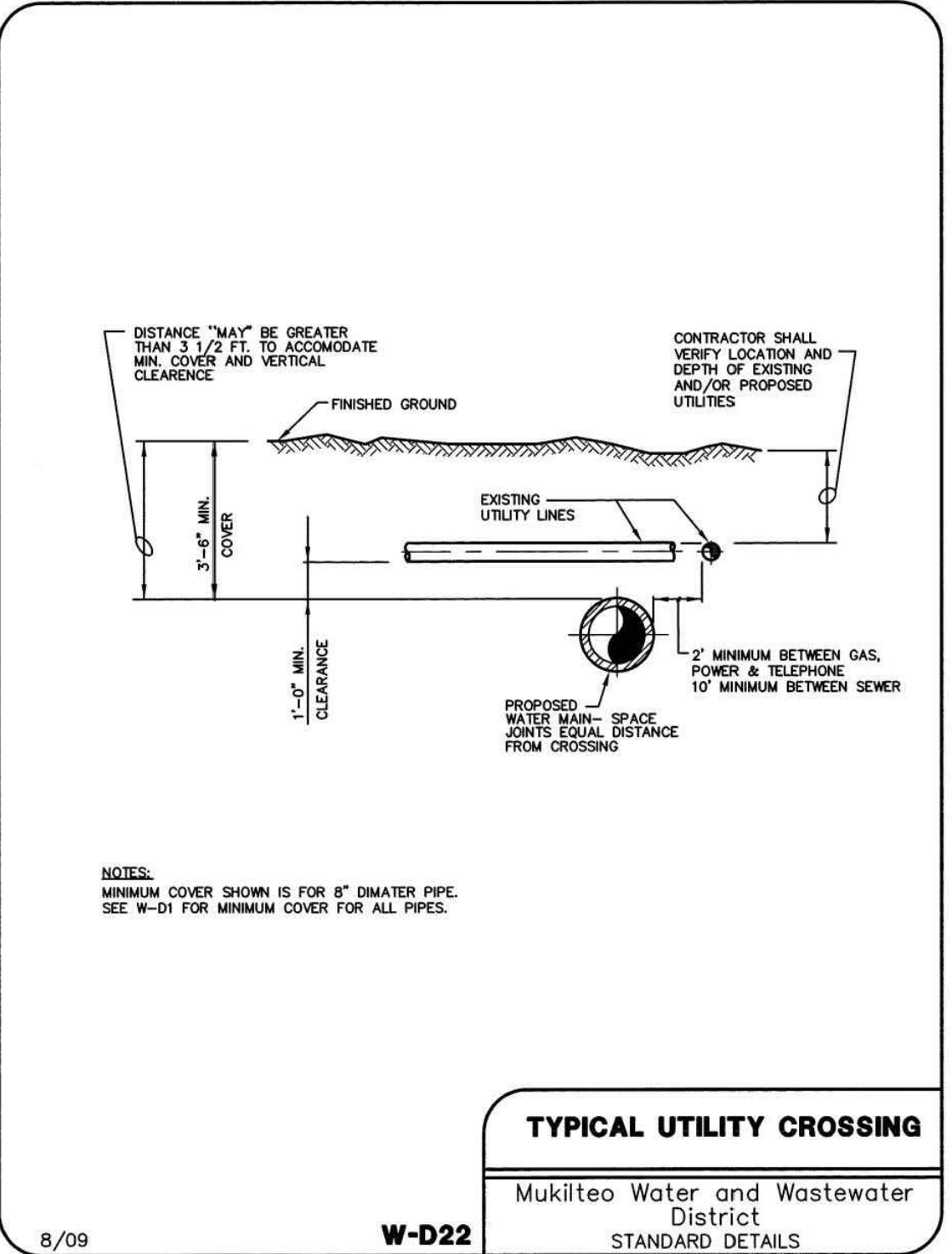
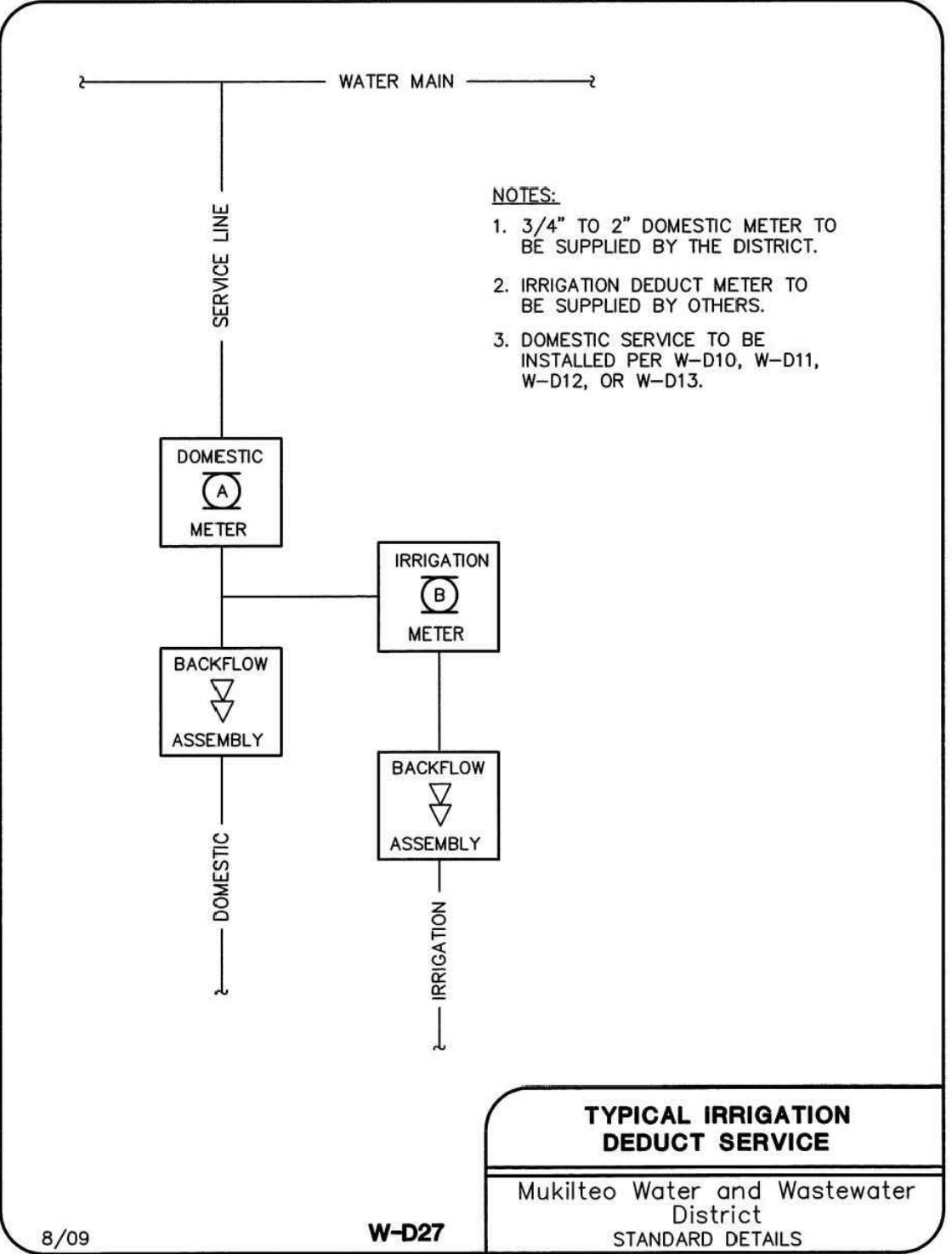
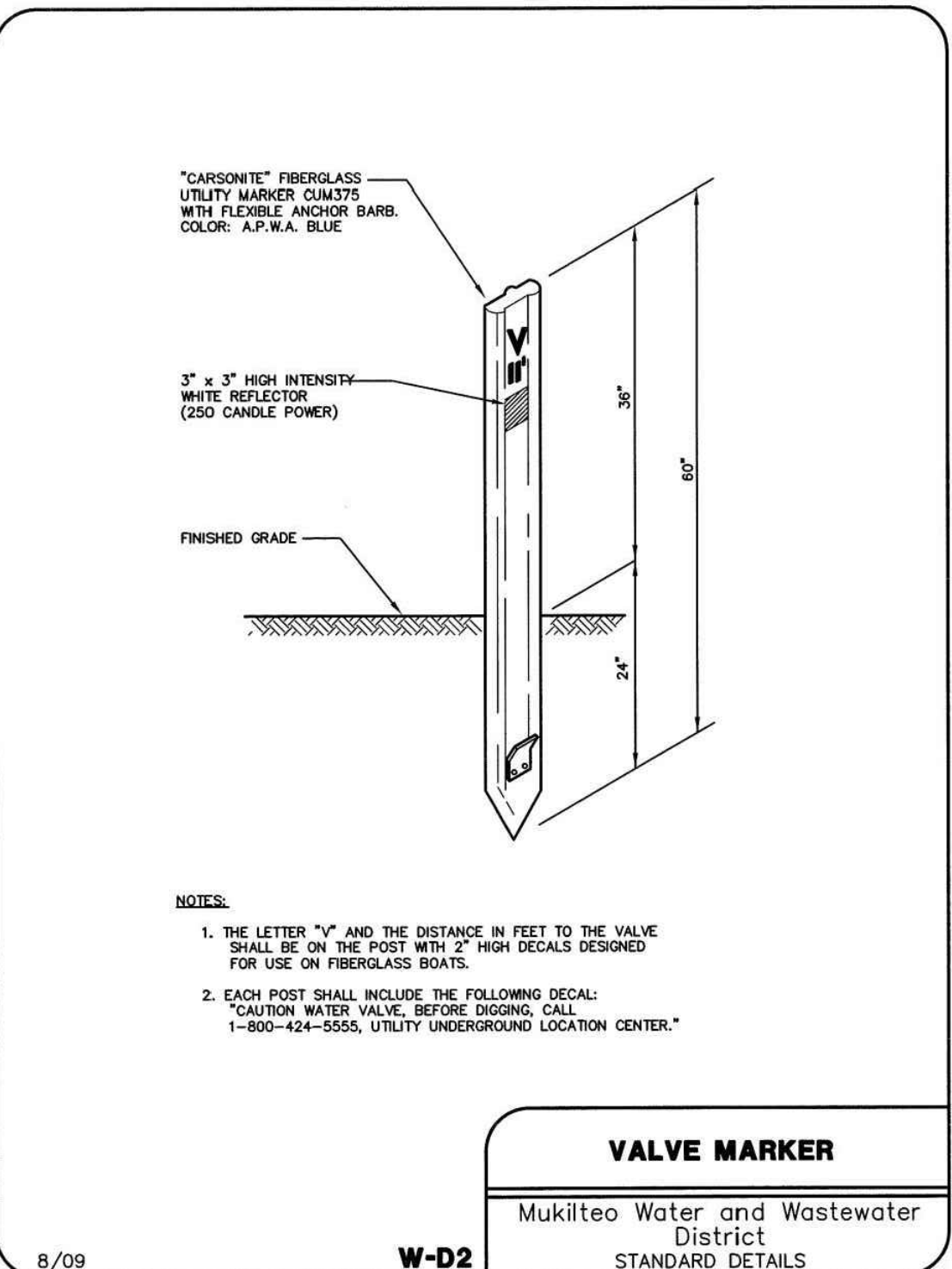
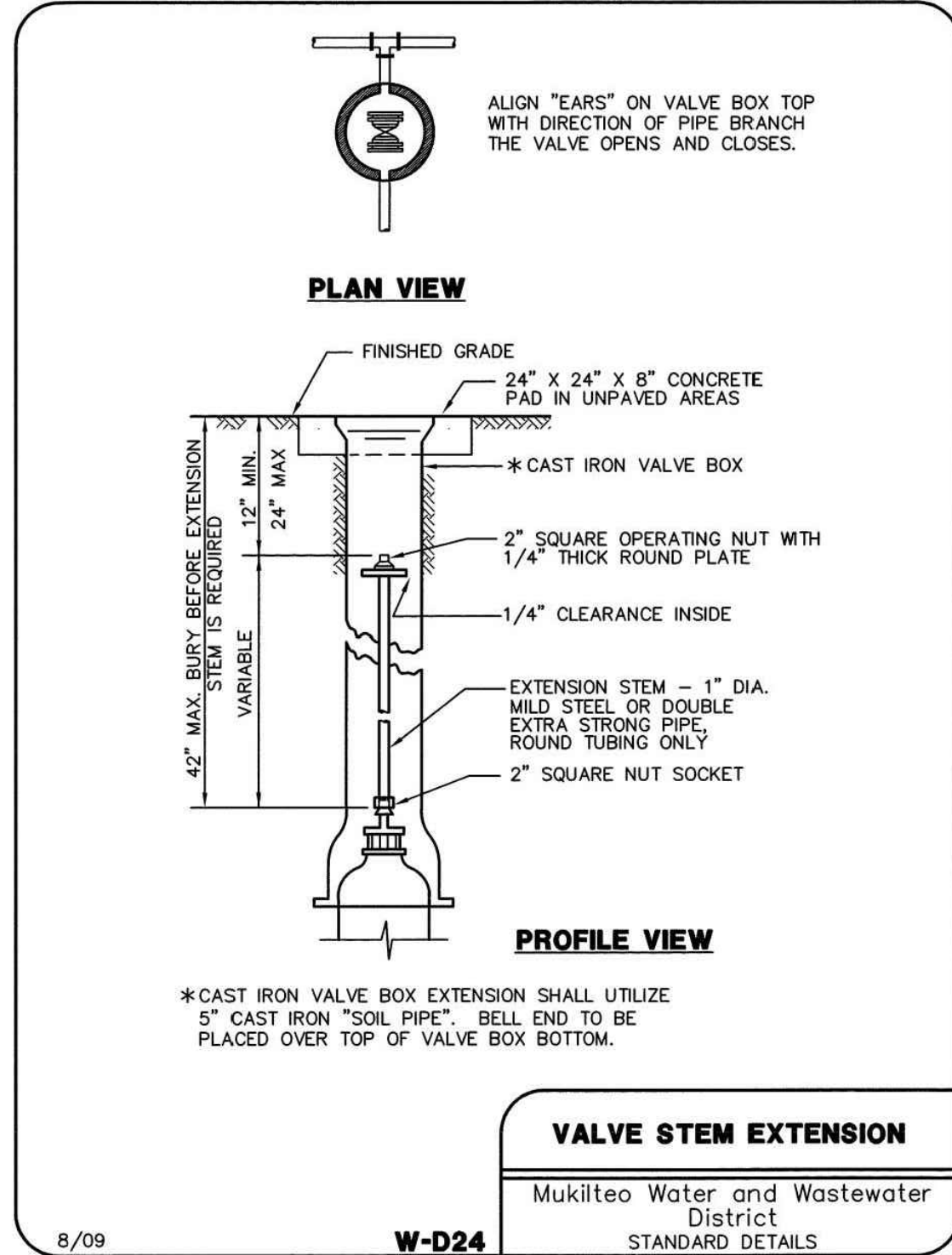
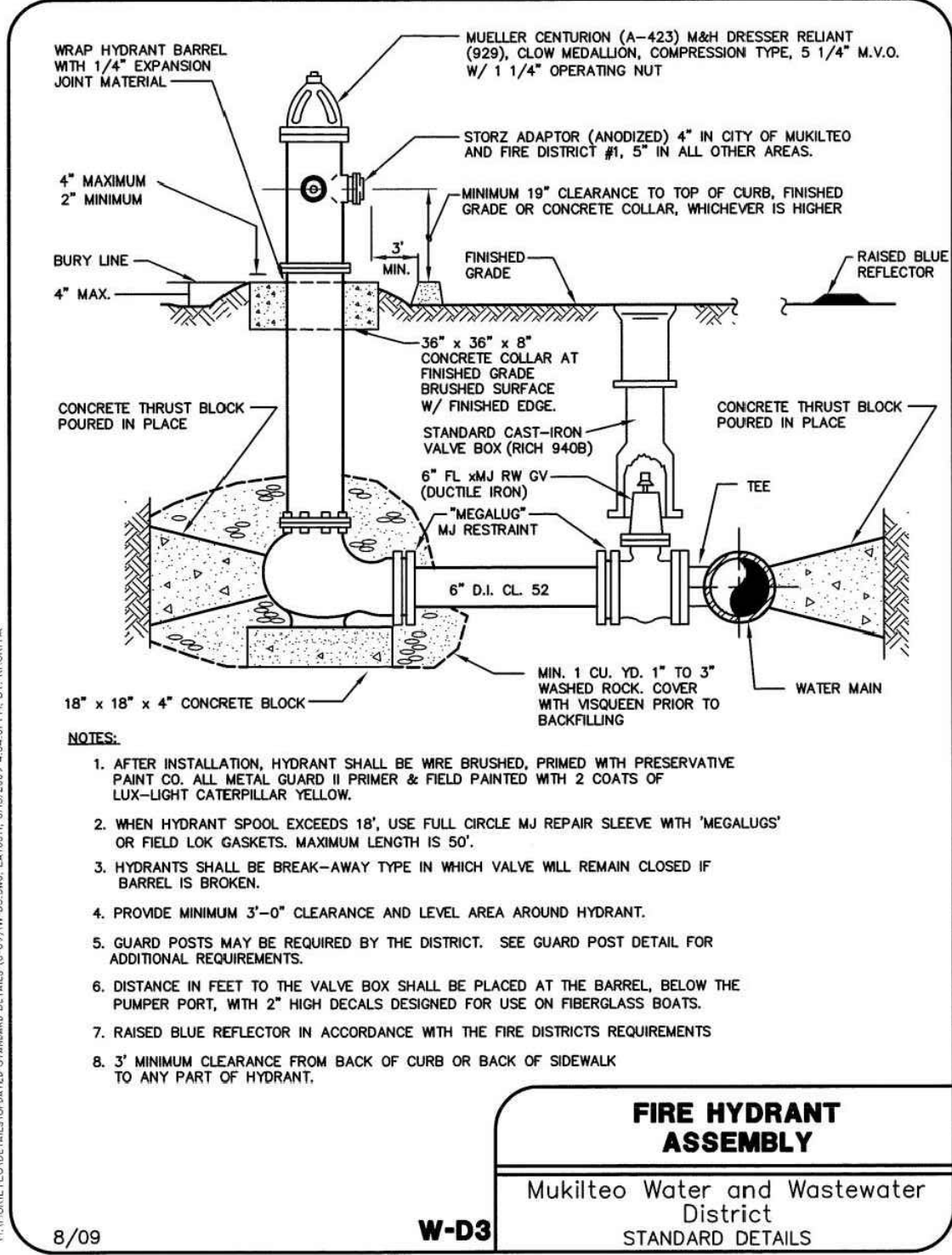
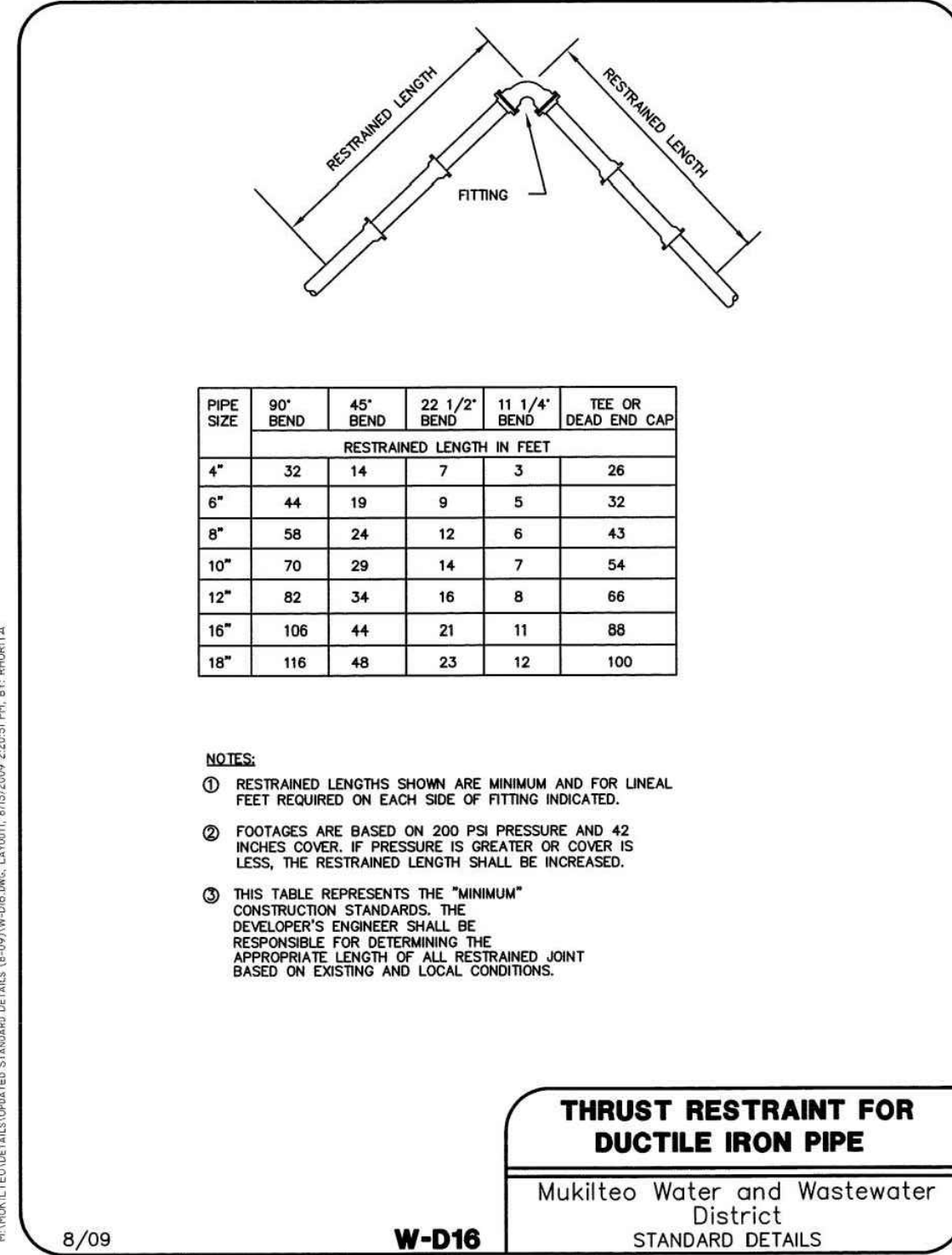
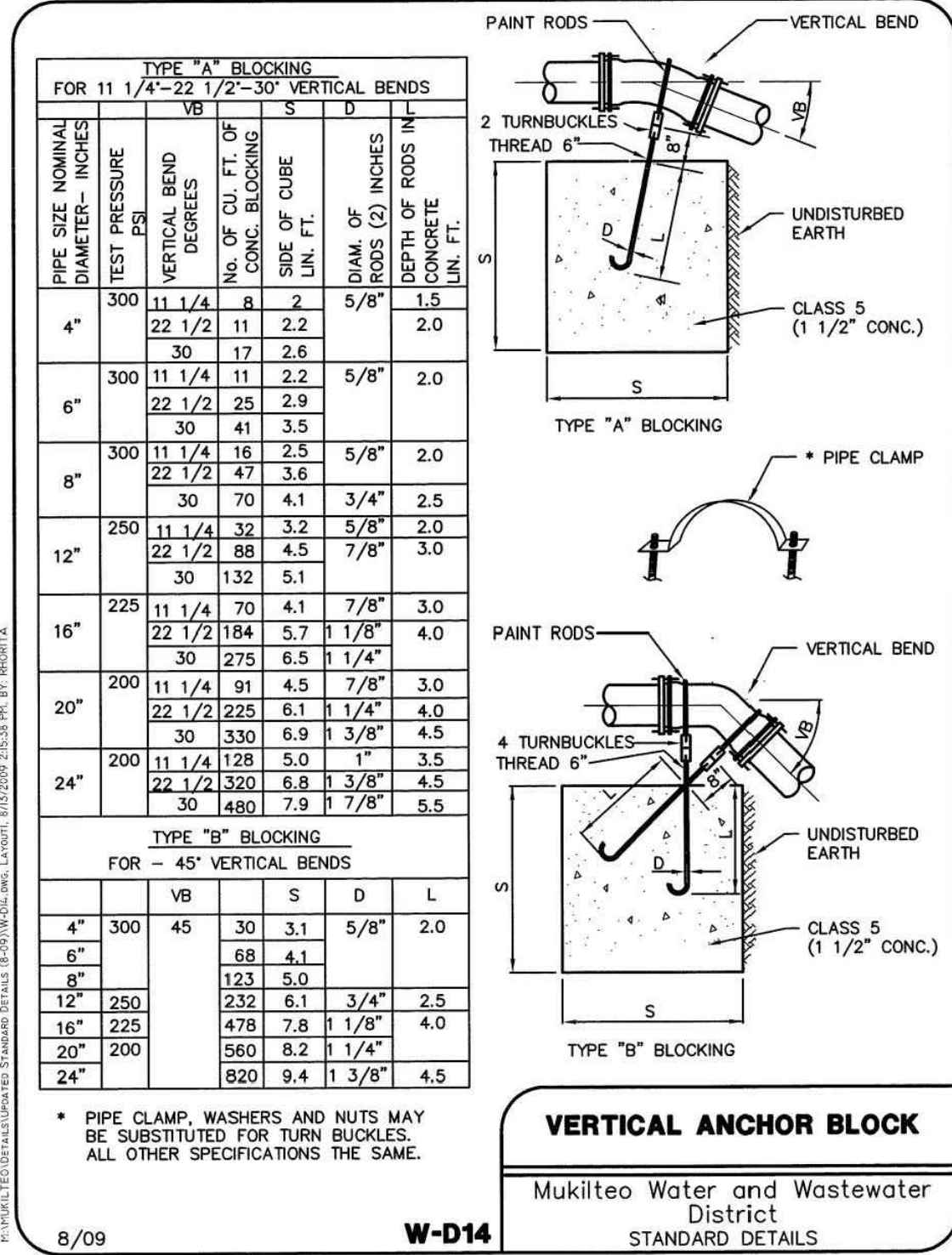
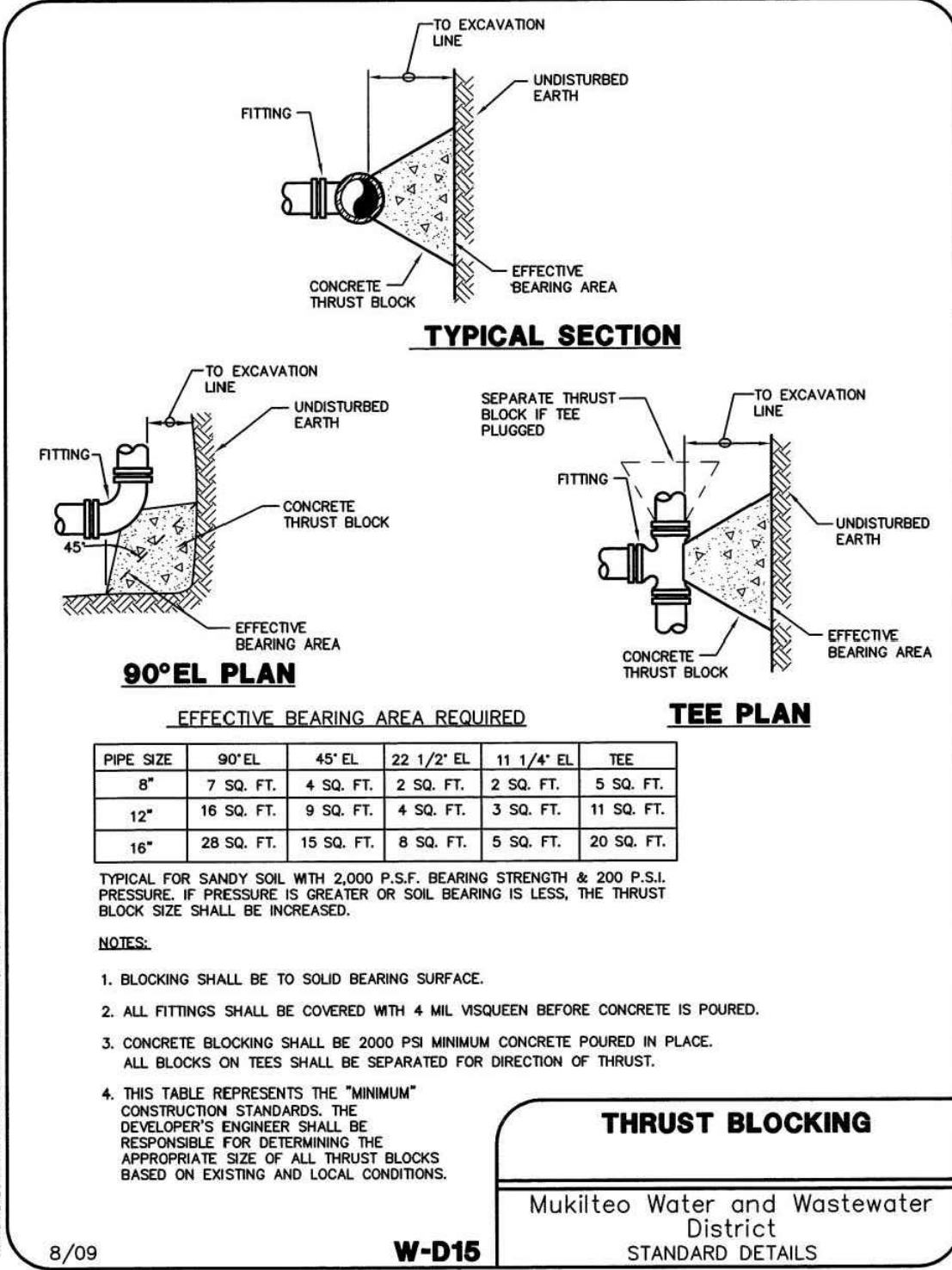
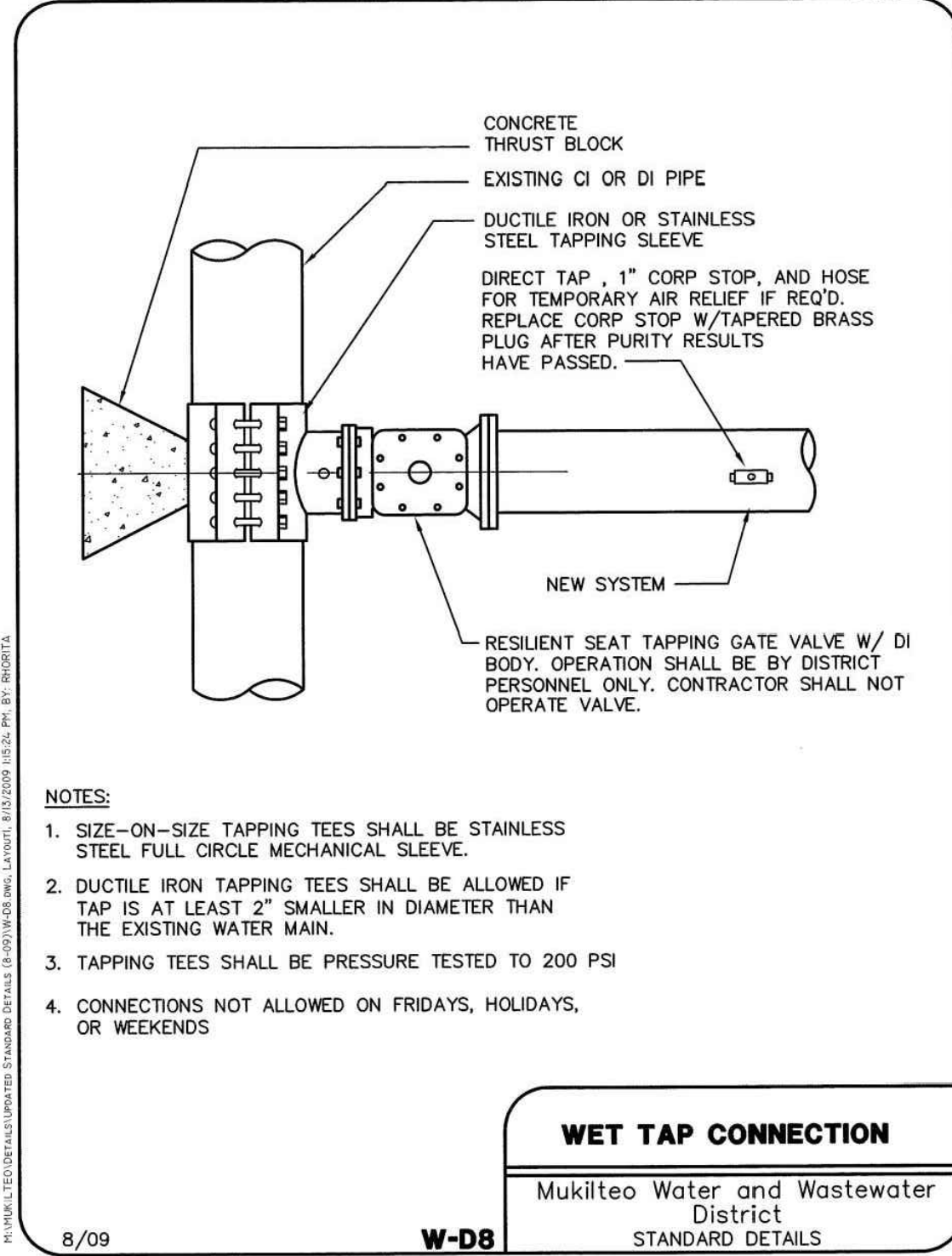
REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

WATER DETAILS

SHEET NUMBER

C-3.1



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CLIENT/OWNER

GREG NELSON

PROJECT NAME

NELSON 43

NAVIX PROJECT NUMBER: 50-609-001

PROJECT ADDRESS

4301 78TH ST SW
MUKILTEO, WA 98275

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SECTION, TOWNSHIP, RANGE:

SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M.

PROJECT TEAM

REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

WATER DETAILS

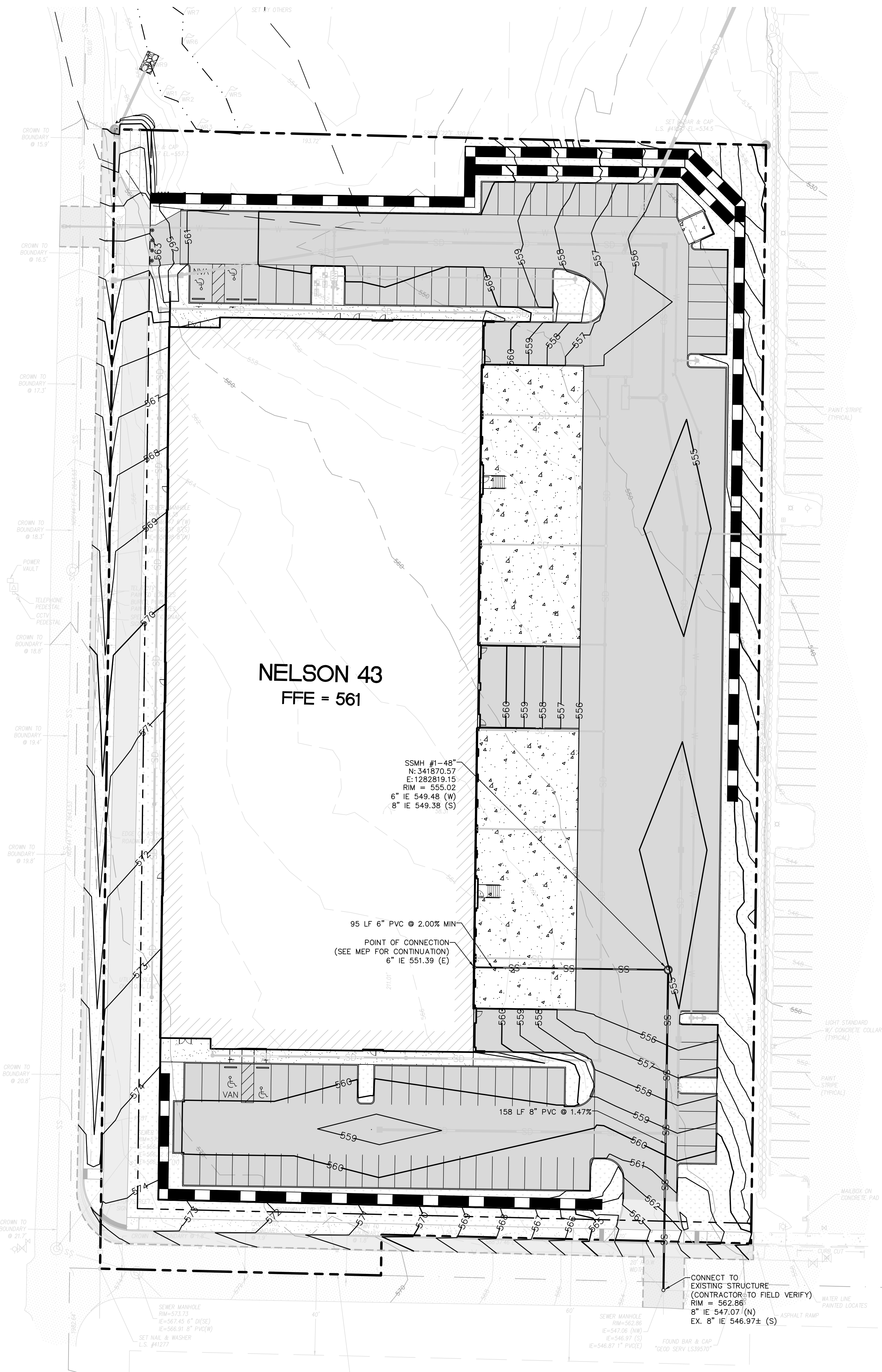
SHEET NUMBER

C-3.2

APPROVED BY: _____ DATE _____
MUKILTEO WATER AND WASTEWATER DISTRICT EXTENSION NO. _____
GRAY & OSBORNE NO. _____

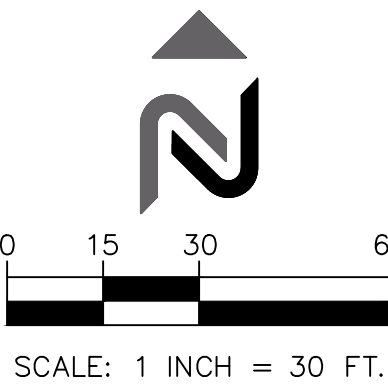
PROJECT MUST BE COMPLETED AND OWNERSHIP TRANSFERRED TO THE MUKILTEO WATER AND WASTEWATER DISTRICT WITHIN 1 YEAR FROM THE DATE OF APPROVAL. IN THE EVENT THAT THE PROJECT DEVELOPER FAILS TO DO SO, THE PROJECT WILL BE SUBJECT TO REAPPLICATION, ADDITIONAL PLAN REVIEW AND REVISION, DUE TO ANY CHANGES IN DISTRICT STANDARDS OR REQUIREMENTS OCCURRING PRIOR TO COMPLETION AND TRANSFER OF OWNERSHIP. WATER/SEWER SERVICE IS AVAILABLE ONLY AFTER PAYMENT OF ALL CURRENT FEES, RECORDING OF EASEMENTS AND TRANSFER OF OWNERSHIP TO THE DISTRICT.

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LEGEND

	PROPERTY LINE
	PROPOSED BUILDING
	SANITARY SEWER PIPE (S-D1 C-4.1)
	SANITARY SEWER MANHOLE (S-D2 C-4.1) (S-D4 C-4.1) (S-D5 C-4.1)
	CLEANOUT (S-D10 C-4.2)
	SS WYE (S-D8 C-4.1)



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SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M.

PROJECT TEAM

REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

SANITARY
SEWER PLAN

SHEET NUMBER

C-4.0

APPROVED BY: _____ DATE _____
MUKILTEO WATER AND WASTEWATER

MUKILTEO WATER AND WASTEWATER DISTRICT EXTENSION NO. _____

GRAY & OSBORNE NO. _____

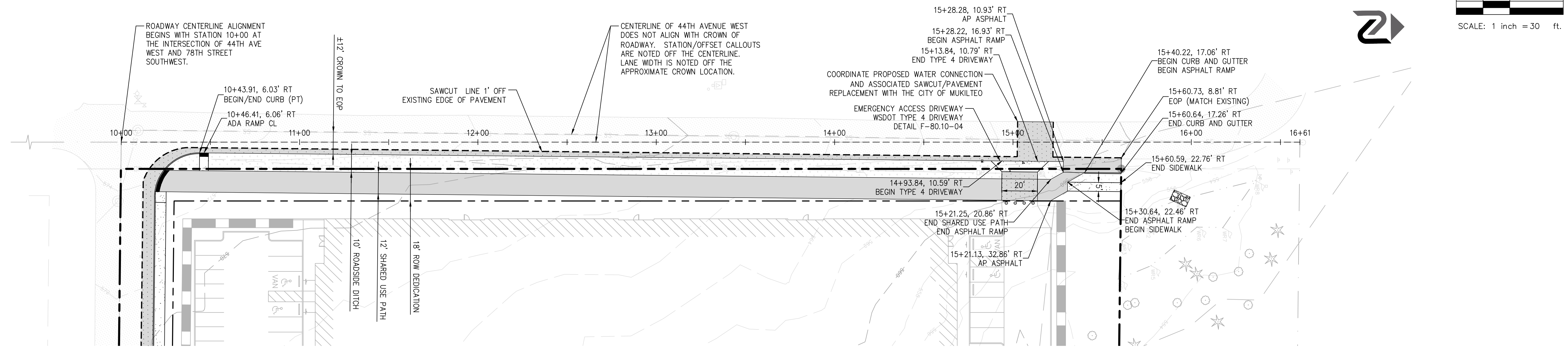
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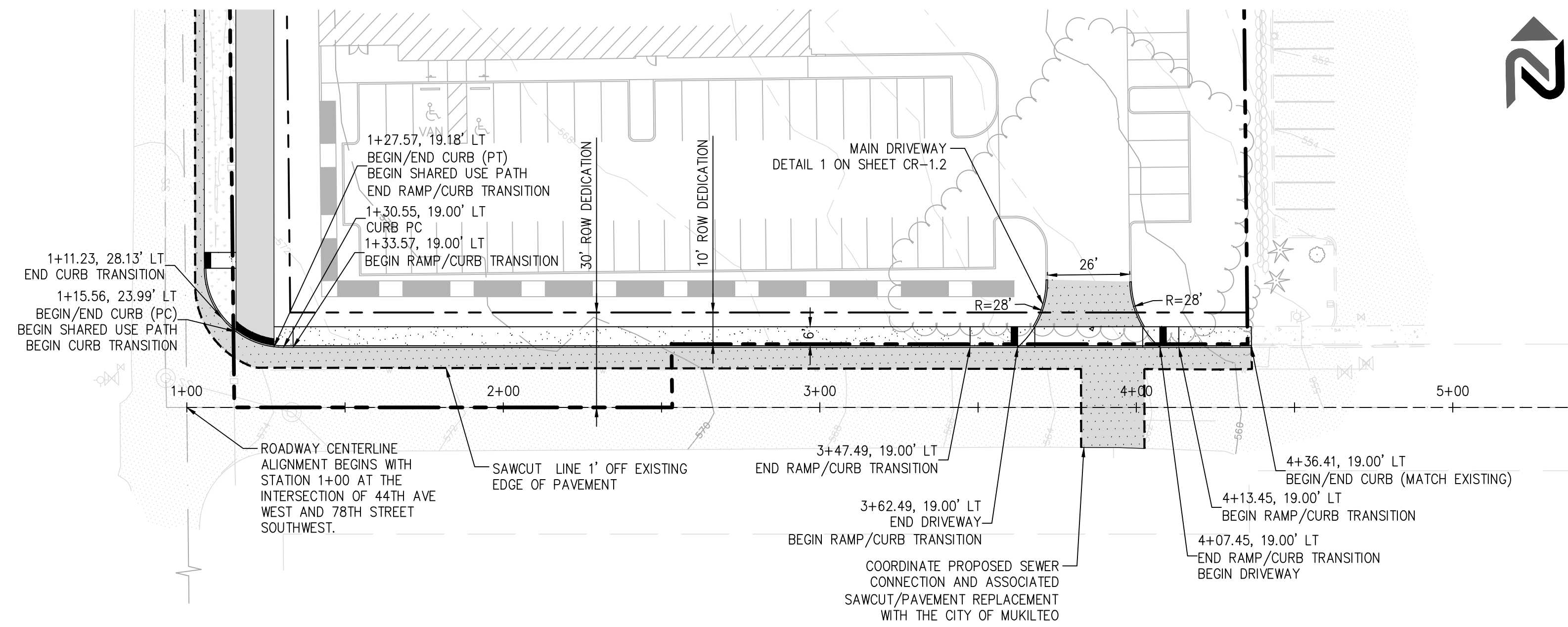
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44TH AVENUE WEST ROADWAY PLAN

SCALE: 1" = 30'



78TH STREET SOUTHWEST ROADWAY PLAN

SCALE: 1" = 30'

LEGEND

	PROPERTY LINE
	RIGHT OF WAY LINE
	BUILDING
	CURB AND GUTTER
	SAWCUT
	HEAVY DUTY ASPHALT PAVEMENT
	STANDARD DUTY ASPHALT PAVEMENT
	CONCRETE DRIVEWAY
	CONCRETE SIDEWALK
	LANDSCAPE
	CL
	PC
	PT
	EOP
	AP

NOTES

- CURB CALLOUTS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
- SEE SHEETS CR-1.1 AND CR-1.2 FOR ROADWAY DETAILS.
- CENTERLINE OF 44TH AVENUE WEST DOES NOT ALIGN WITH CROWN OF ROADWAY. STATION/OFFSET CALLOUTS ARE NOTED OFF THE CENTERLINE. LANE WIDTH IS NOTED OFF THE APPROXIMATE CROWN LOCATION.



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CLIENT/OWNER

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MUKILTEO, WA 98275

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SECTION, TOWNSHIP, RANGE:

SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M.

PROJECT TEAM

REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

ROADWAY PLAN


SHEET NUMBER

CR-1.0



SHEET 1 OF 1 SHEET

SHEET 1 OF 1 SHEET

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Bukovich, Pao
Jun 11 2014 1:25 PM
STATE DESIGN ENGINEER
 Washington State Department of Transportation



SHEET 1 OF 1 SHEET


SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Historich, Pasco
Jun 11 2014 1:25 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation



- At marked crosswalks, the connection between the curb ramp and the roadway must be contained within the width of the crosswalk markings.
- Where "GRADE BREAK" is called out, the entire length of the grade break must be within the width of the crosswalk markings.
- Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances on any part of the Curb Ramp or Landing, or in front of the Curb Ramp where it connects to the roadway.
- See Contract Plans for the curb design specified. See **Standard Plan 3-10.0** for Curb, Gutter and Gutter, Depressed Curb and Gutter, and Pedestrian Curb details.
- See **Standard Plan 3-10.0** for Cement Concrete Sidelwalk Details. See Contract Plans for width and placement of sidewalk.
- The Bid Item for Concrete Curb Ramp Type 1 does not include the details for Curb, Gutter and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidelwalks.
- The Curb Ramp length is not required to exceed 15 feet (unless shown otherwise in the Contract Plans). When applying the 15-foot max. length to the width of the Curb Ramp, the width may be increased 8.5% using a single constant slope from bottom of ramp to top of ramp to match into the existing horizontal grade. The 8.5% increase does not include the abutting landing in the 15-foot max. measurement.
- Curb Ramps and Landings shall receive a broom finish. See **Standard Specifications 5-4.4**.
- Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will not be material to retain.

LEGEND


- | | |
|---|---|
|  | SLOPE IN EITHER DIRECTION |
| * * | 1.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (2% MAX.) |
| * * * | 7.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (8.3% MAX.) |
| * * * * | 9.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (10% MAX.) |



SHEET 1 OF 1 SHEET

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Carpenter, Jeff
Jul 15 2016 2:26 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation



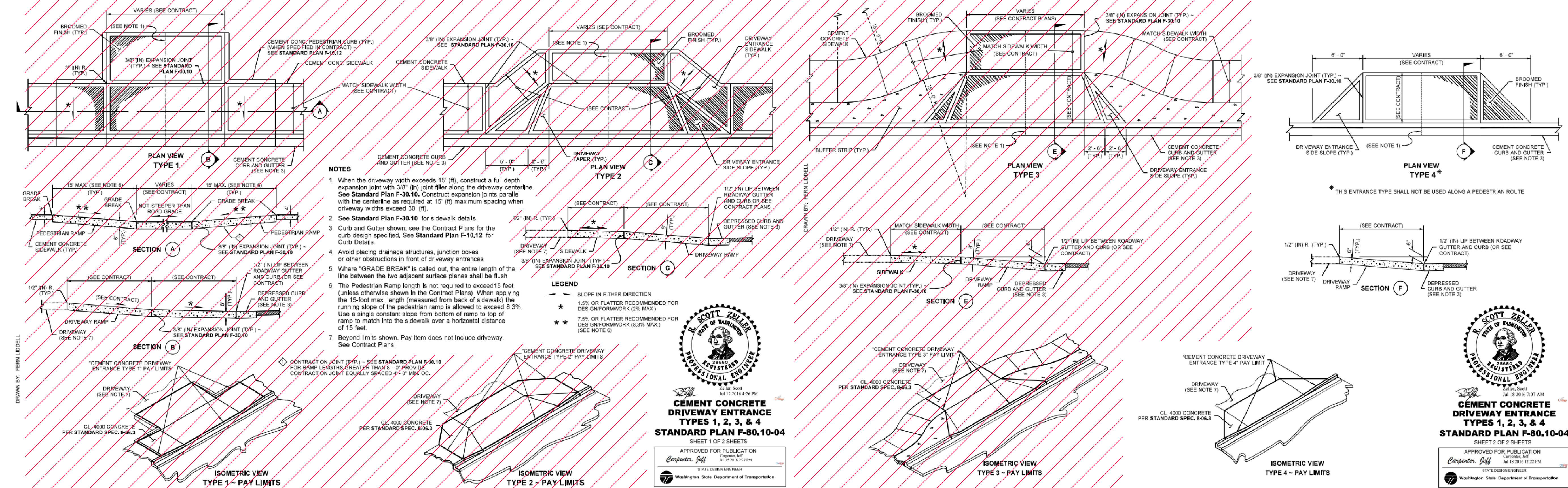
SECTION, TOWNSHIP, RANGE:

SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M.

PROJECT TEAM

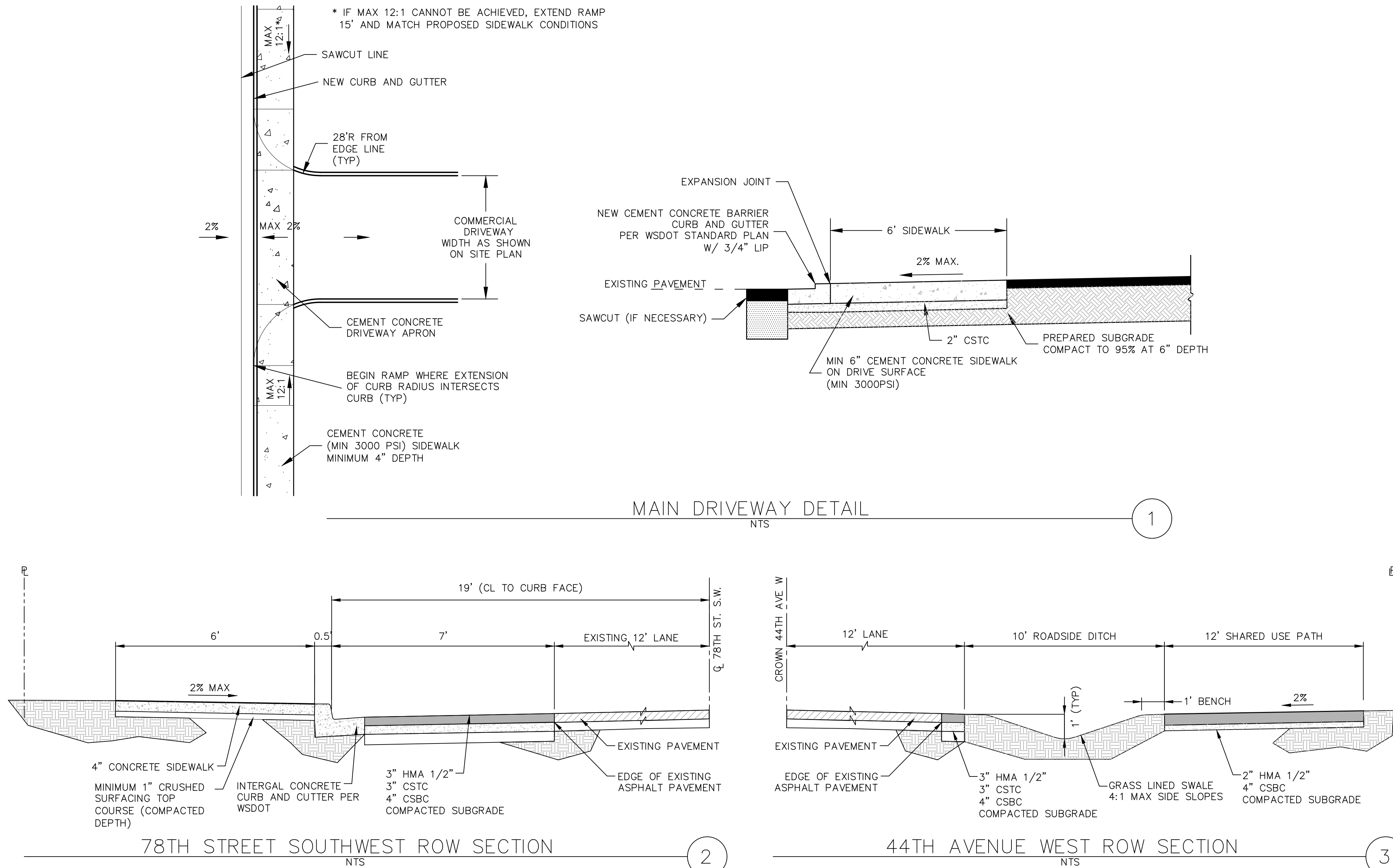
REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME



GENERAL NOTES (CITY OF MUKILTEO)

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF MUKILTEO STANDARDS AND SPECIFICATIONS; THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION; AND THE ADOPTED EDITION OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.
- ALL WORK WITHIN THE PLAT AND CITY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
- PRIOR TO ANY SITE CONSTRUCTION INCLUDING CLEARING/LOGGING OR GRADING, THE SITE CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR (OR PROJECT ENGINEER) AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR'S NAME AND PHONE NUMBER IS JONATHAN BECKER, PLS, (206) 244-4141.
- THE DEVELOPER, CONTRACTOR AND PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND PHONE NUMBER IS SPENCER HUMPHREY, P.E., (425) 453-9501 EXT. 1527.
- PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE CITY OF MUKILTEO COMMUNITY DEVELOPMENT AT 425-355-4141 X251 TO SCHEDULE A PRECONSTRUCTION CONFERENCE. ENGINEERED AS-BUILT DRAWINGS IN ACCORDANCE WITH THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE SHALL BE REQUIRED PRIOR TO FINAL SITE APPROVAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR UTILITY, ROAD, AND RIGHT-OF-WAY CONSTRUCTION. THE CONTRACTOR FOR THIS PROJECT IS
PHONE _____ MOBILE PHONE _____, EMERGENCY PHONE _____ CONTACT PERSON IS _____
- THE CONSTRUCTION STORMWATER POLLUTION PREVENTION (SWPP) FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPP PLANS PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. SEDIMENT LADEN WATERS SHALL NOT ENTER THE NATURAL DRAINAGE SYSTEM.
- NONCOMPLIANCE WITH THE REQUIREMENTS FOR; EROSION CONTROLS, WATER QUALITY AND CLEARING LIMITS MAY RESULT IN REVOCATION OF; PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES.
- TRENCH BACKFILL OF NEW UTILITIES AND STORM DRAINAGE FACILITIES SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) OFF ROADWAYS. COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 7-08.3(3) AND 2-03.3(14)C - METHOD B AS DEFINED IN THE CURRENT EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
- THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. LOCATION OF UTILITIES SHOWN ON CONSTRUCTION PLANS ARE BASED ON BEST RECORDS AVAILABLE AND ARE SUBJECT TO VARIATION. FOR ASSISTANCE IN UTILITY LOCATION, CALL 1-800-424-5555.
- PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING AS-BUILT INFORMATION; ONE SET SHALL BE SUBMITTED TO THE PROJECT ENGINEER, AND ONE SET SHALL BE SUBMITTED TO THE CITY ENGINEER AT COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF WORK.
- A GRADING PERMIT ISSUED PURSUANT TO THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE, AND APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE OBTAINED FROM THE COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO ANY ON-SITE GRADING WORK NOT EXPRESSLY EXEMPT BY THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE.
- PRIOR TO COMMENCEMENT OF FRAMING, FINAL DRAINAGE INSPECTION AND APPROVAL OF THE ROOF LEADER AND POSITIVE FOOTING SYSTEMS SHALL BE COMPLETED BY THE BUILDING DEPARTMENT. CALL 360-363-8100 TO SCHEDULE THE INSPECTION.



REVISIONS

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SECTION, TOWNSHIP, RANGE:

SECTION 10, TOWNSHIP 28
NORTH, RANGE 4 EAST, W.M.

PROJECT TEAM

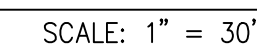
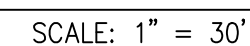
REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

ROADWAY DETAILS

SHEET NUMBER

CR-1.2



1. SEE SHEET CH-1.1 FOR CHANNELIZATION DETAILS.
2. LONG LINE CHANNELIZATION AND ASSOCIATED PAVEMENT MARKINGS SHALL BE PER WSDOT STANDARD PLANS AND SPECIFICATIONS.
3. CENTERLINE OF 44TH AVENUE WEST DOES NOT ALIGN WITH CROWN OF ROADWAY. STATION/OFFSET CALLOUTS ARE NOTED OFF THE CENTERLINE. LANE WIDTH IS NOTED OFF THE APPROXIMATE CROWN LOCATION.

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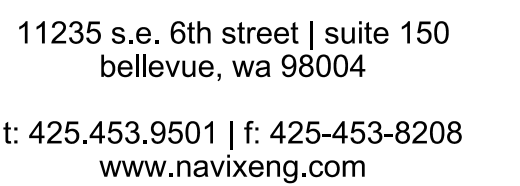
PROJECT TEAM

REVIEWED BY: S.HUMPHREY
DESIGNED BY: S.HUMPHREY
J.STEFANOFF

SHEET NAME

SHEET NUMBER

CH-1.0

**CLIENT/OWNER**

GREG NELSON

PROJECT NAME

NELSON 43

NAVIX PROJECT NUMBER: 50-609-001

PROJECT ADDRESS

4301 78TH ST SW
MUKILTEO, WA 98275

STAMP



