

# TOWN OF BUCODA

# N. MAIN STREET LEVEE IMPROVEMENTS PROJECT

MAYOR:

ALAN CARR

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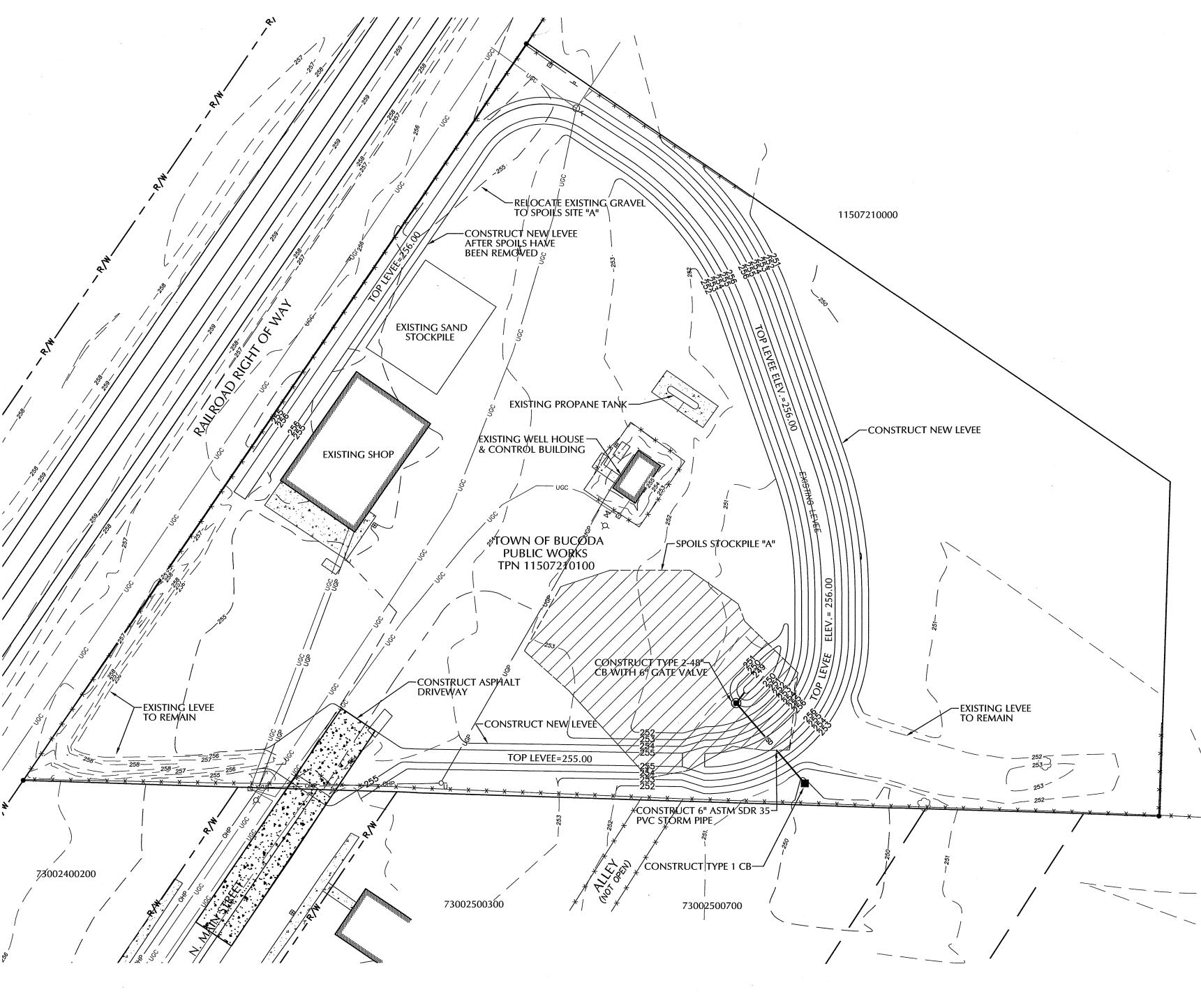
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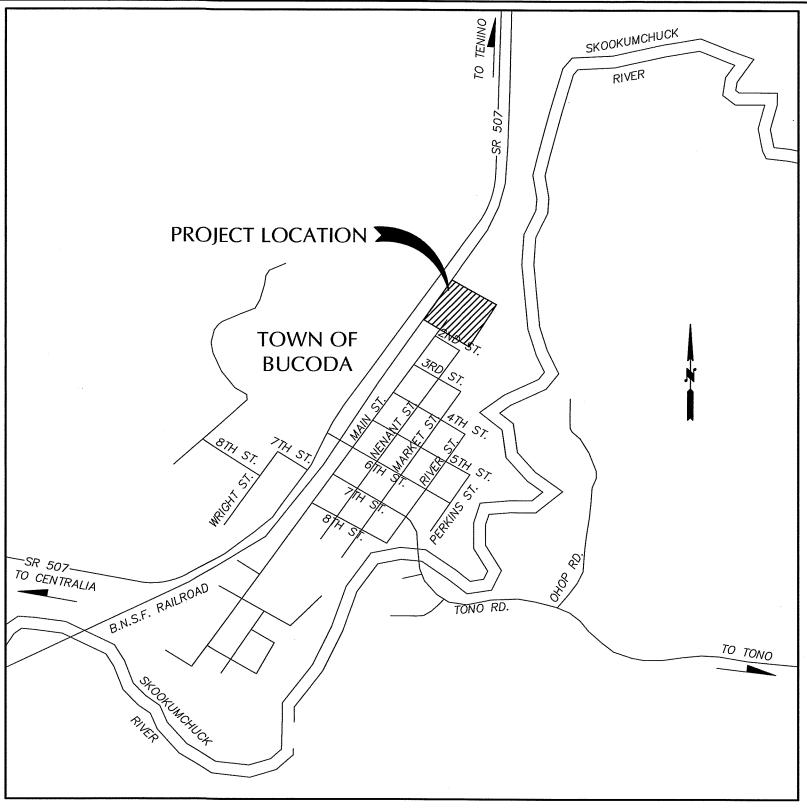
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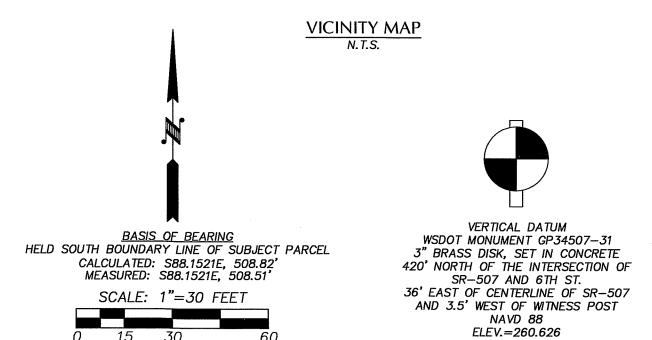
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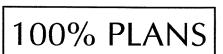


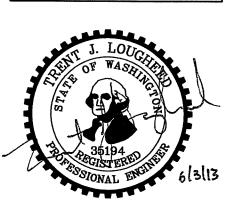




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CALL BEFORE YOU DIG:
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ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR
TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1—800—424—5555
A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION.

NO	DATE	BY	APPR	REVISIONS
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Jerome W. Morrissette & Associates Inc., P.S. 1700 Cooper Pt. Road S.W. #B-2, Olympia, Wa. 98502-1110 Ph 360.352.9456 Fx 360.352.9990

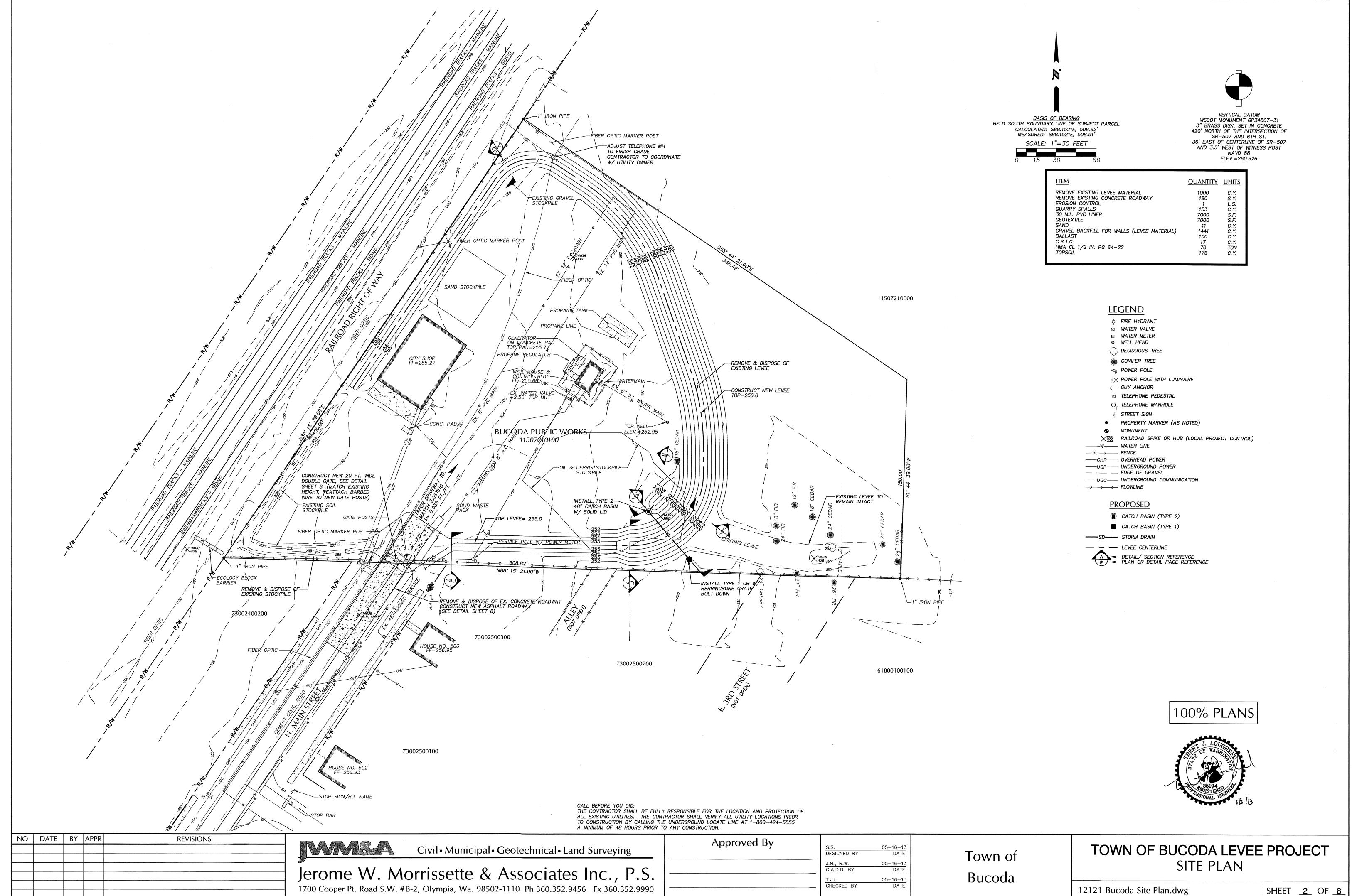
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C.A.D.D. BY	DA <sup>-</sup>
T.J.L.	05-16-
CHECKED BY	DA
	DESIGNED BY J.N., R.W. C.A.D.D. BY T.J.L.

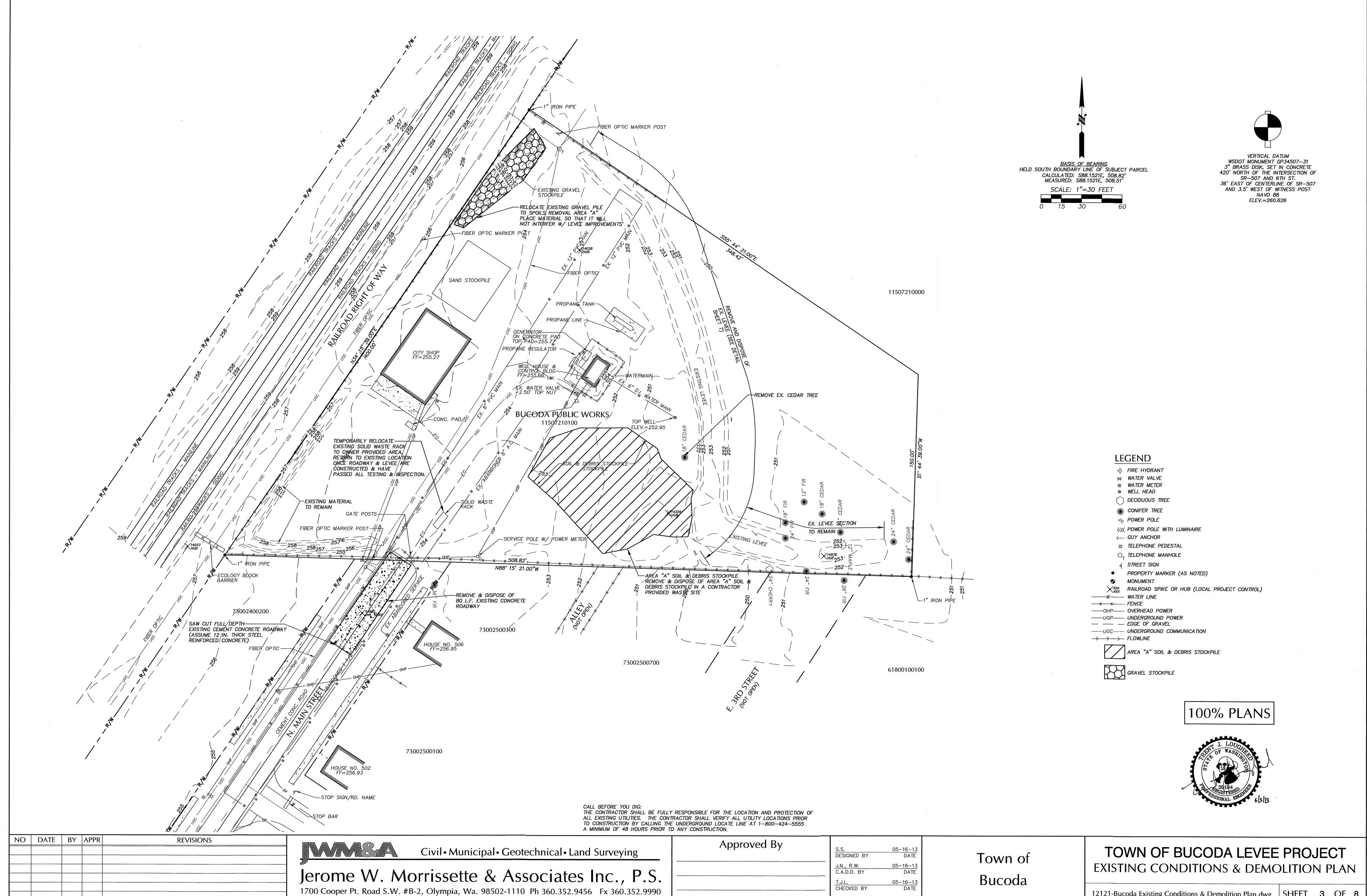
Town of Bucoda

TOWN OF BUCODA LEVEE PROJECT COVER SHEET

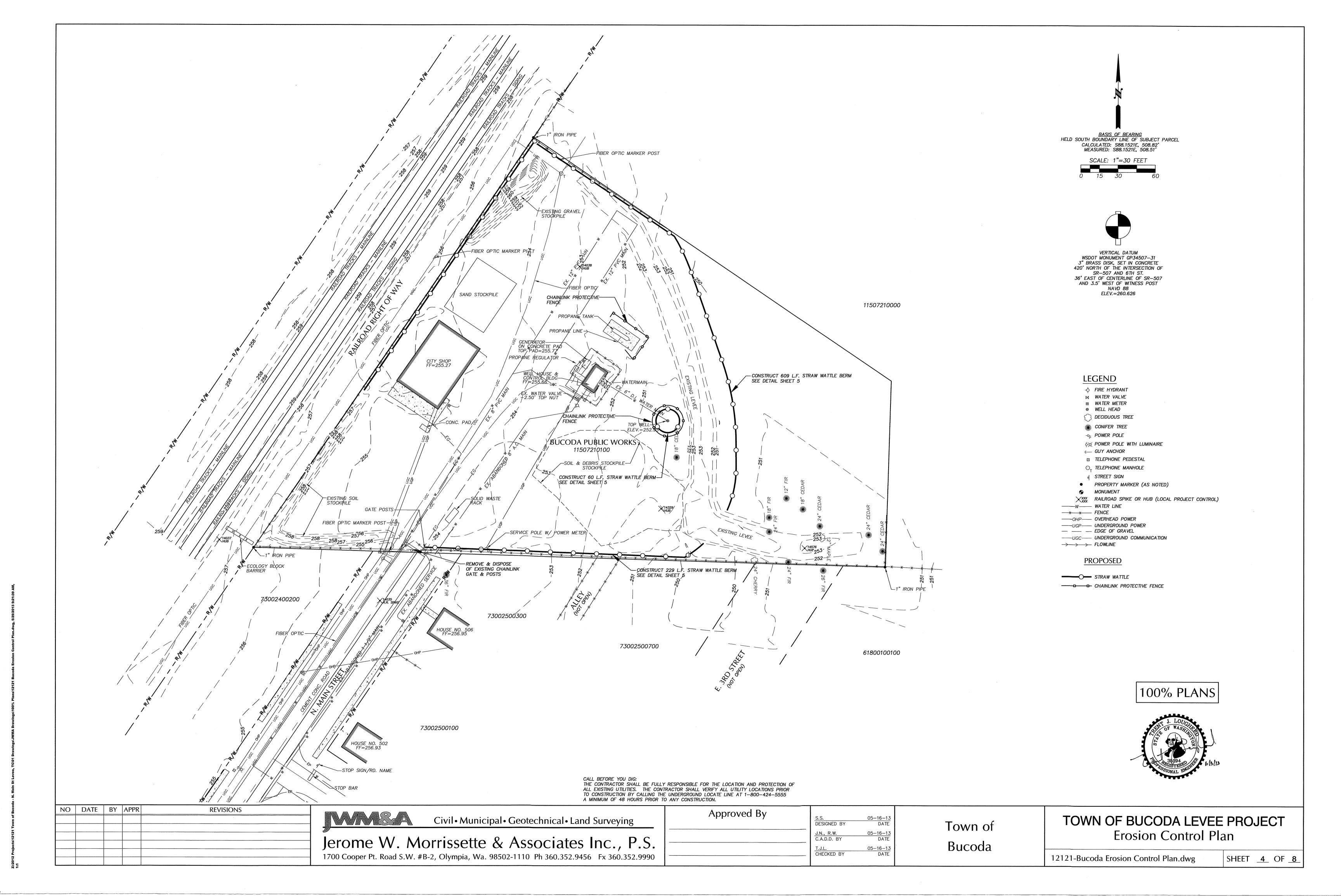
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12121-Bucoda Existing Conditions & Demolition Plan.dwg SHEET <u>3</u> OF <u>8</u>



#### SEEDING:

- SEED MIXTURE SHALL BE PER TABLE 9.4 AND SHALL BE APPLIED AT THE RATE OF 120 LBS PER ACRE.
- 2. SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL RE-QUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
- 3. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
- BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
- THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL CULTURAL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
- 6. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.

## TABLE 9.3 GUIDE TO MULCH MATERIALS, RATES, AND USES

MULCH MATERIAL	QUALITY STANDARDS	APPLICAT	TON RATES	DEPTH OF	REMARKS	
		PER 1000 SQ FT	PER ACRE	APPLICATION		
GRAVEL, CRUSHED STONE, OR SLAG	WASHED 3/4 TO 1 1/2" INCH	9 C.Y.		3 IN.	GOOD FOR SHORT SLOPE AND AROUND WOODY PLANTS. AND ORNAMENTS. USE WHERE SUBJECT TO FOOT TRAFFIC	
HAY OR STRAW	AIR DRY, FREE FROM WEED SEED AND COARSE MATERIAL	75 TO 100 POUNDS (APPROX. 2 IN THICK)	1.5 TO 2.5 TONS 90 TO 120 BALES	MIN 2 IN	USE WHERE NEEDED FOR MORE THAN 3 MOS. SUBJECT TO BLOWING—KEEP MOIST OR TIED DOWN	
WOOD FIBER CELLULOSE (PARTLY DIGESTED WOOD FIBERS)	NO GROWTH ORGANISM INHIBITING DIGESTED FACTORS	20 TO 30 POUNDS	1000 TO 1500 POUNDS		WHEN USED ON CRITICAL AREAS, DOUBLE APPLICATION RATE. HYDROMULCHER. NO TIE— DOWN REQUIRED.	

## TABLE 9.4 SEED MIXTURE FOR EROSION CONTROL

## SEED MIXTURE FOR EROSION CONTROL

NAME	PROPORTIONS BY WEIGHT	PERCENT PURITY	PERCENT GERMINATION
REDTOP (ARGROSTIS ALBA)	10 PERCENT	92	90
ANNUAL RYE (LOLIUM MULTIFLORUM)	40 PERCENT	98	90
CHEWINGS FESCUE (FESTUCA RUBA COMMUTATA) (JAMESTOWN, BANNER, SHADOW, OR KOKET)	40 PERCENT	97	80

# APPENDIX T

# STANDARD EROSION CONTROL NOTES

- FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN
- SECURELY FASTENED AT BOTH ENDS TO POST. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).

JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER

ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND

- 3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE
- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.
- THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- 6. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ABOVE
- 7. FILTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

## EROSION CONTROL BLANKETS:

- WHERE SOIL IS HIGHLY ERODIBLE, NET SHALL ONLY BE USED IN CONJUNCTION WITH AN ORGANIC MULCH SUCH AS STRAW AND
- 2. JUTE NET SHALL BE HEAVY, UNIFORM CLOTH WOVEN OF SINGLE JUTE YARN, WHICH IF 36 TO 48 INCHES WIDE SHALL WEIGH AN AVERAGE OF 1.2 LBS/LINEAR YARD. IT MUST BE SO APPLIED THAT IT IS IN COMPLETE CONTACT WITH THE SOIL.
- 3. NETTING SHALL BE SECURELY ANCHORED TO THE SOIL WITH NO. 11 GAUGE WIRE STAPLES AT LEAST 6 INCHES LONG.

#### CONSTRUCTION ENTRANCES:

- MATERIAL SHALL BE 4" TO 6" QUARRY SPALLS AND MAY BE TOP-DRESSED WITH 1" TO 3" ROCK (STANDARD SPECIFICATIONS)
- 2. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK AND 100 FEET LONG. WIDTH SHALL BE FULL WIDTH OF THE VEHICLE INGRESS AND EGRESS AREA. SMALLER PADS MAY BE APPROVED FOR SINGLE-FAMILY RESIDENTIAL AND SMALL COMMERCIAL SITES.
- 3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
- 4. IF THE PAD DOES NOT ADEQUATELY REMOVE THE MUD FROM THE VEHICLE WHEELS, THE WHEEL SHALL BE HOSED OFF BEFORE THE VEHICLE ENTERS A PAVED STREET. THE WASHING SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK AND WASH WATER SHALL DRAIN TO A SEDIMENT RETENTION FACILITY OR THROUGH SILT FENCE.

## STOCKPILED TOPSOIL:

- 1. STOCKPILES SHALL BE STABILIZED (WITH PLASTIC COVERING OR OTHER APPROVED DEVICE) DAILY BETWEEN NOVEMBER 1 AND
- 2. IN ANY SEASON, SEDIMENT LEACHING FROM STOCK PILES MUST BE POSITIVELY PREVENTED.
- 3. TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY COND-ITION. WHEN THE SUBGRADE IS EXCESSIVELY WET, OR WHEN CONDITIONS EXIST THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
- 4. PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVAL PLAN.

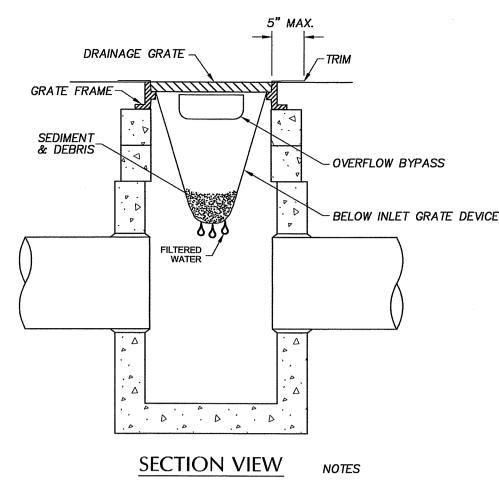
- 1. SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4-INCH AT THE TIME OF CURING. MEASUREMENTS FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
- STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED BY THE END OF A 3 FOOT SECTION.
- 3. SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT
- 4. SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS.

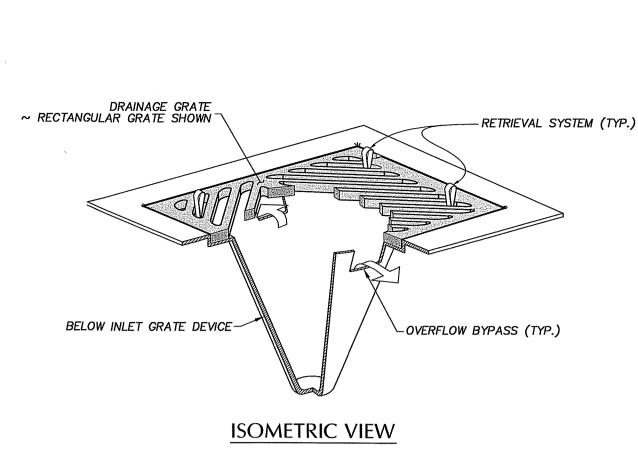
## MULCHING:

- 1. MULCH MATERIALS USED SHALL BE AS SHOWN IN TABLE 9.3 , AND SHALL BE APPLIED AT THE RATE SHOWN IN TABLE 9.3.
- 2. MULCHES SHALL BE APPLIED IN ALL AREAS WITH SLOPES GREATER
- 3. MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING OR IN AREAS WHICH CANNOT BE SEEDED BECAUSE OF THE SEASON.
- 4. ALL AREAS NEEDING MULCHING SHALL BE COVERED BY NOVEMBER 1.

# PLASTIC COVERING:

- 1. PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILLS AND SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATIONS SECTION 9-14.5.
- 2. COVERING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10-FOOT GRID SPACING IN ALL DIRECTIONS. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FULL LENGTH AND THERE SHALL BE AT LEAST A 12 INCH OVERLAP OF ALL SEAMS.
- 3. CLEAR PLASTIC COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- 4. WHEN THE COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
- 5. PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BENEATH
- PROPER MAINTENANCE INCLUDES REGULAR CHECKS FOR RIPS AND

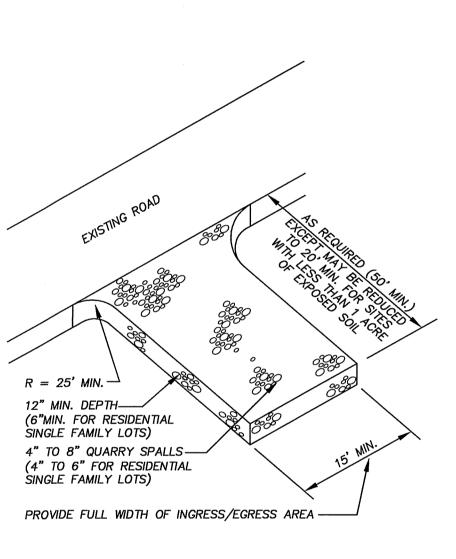


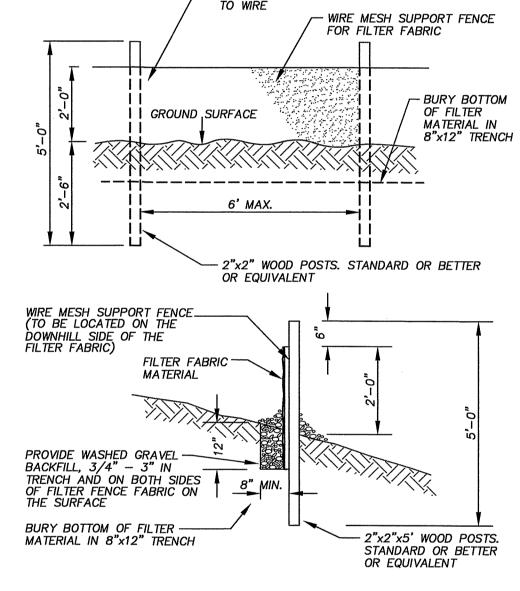


- FILTER FABRIC MATERIAL IN CONTINUOUS ROLLS USE STAPLES OR WIRE RINGS TO ATTACH FABRIC

- 1. SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
- 2. THE BIGD SHALL HAVE A BUILT—IN HIGH—FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
- 3. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.
- 4. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).

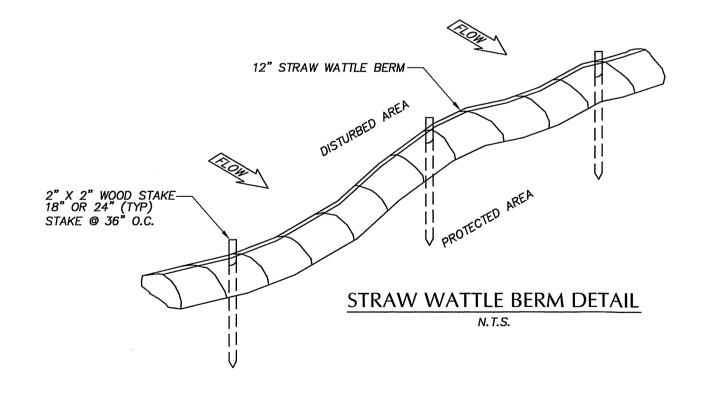
# STORM DRAIN INLET PROTECTION

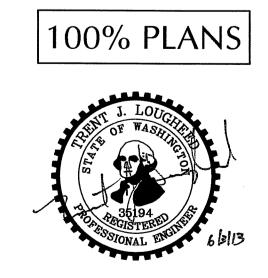




CONSTRUCTION ENTRANCE ROCK PAD N.T.S.

FILTER FABRIC FENCE DETAIL N.T.S.





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Approved By

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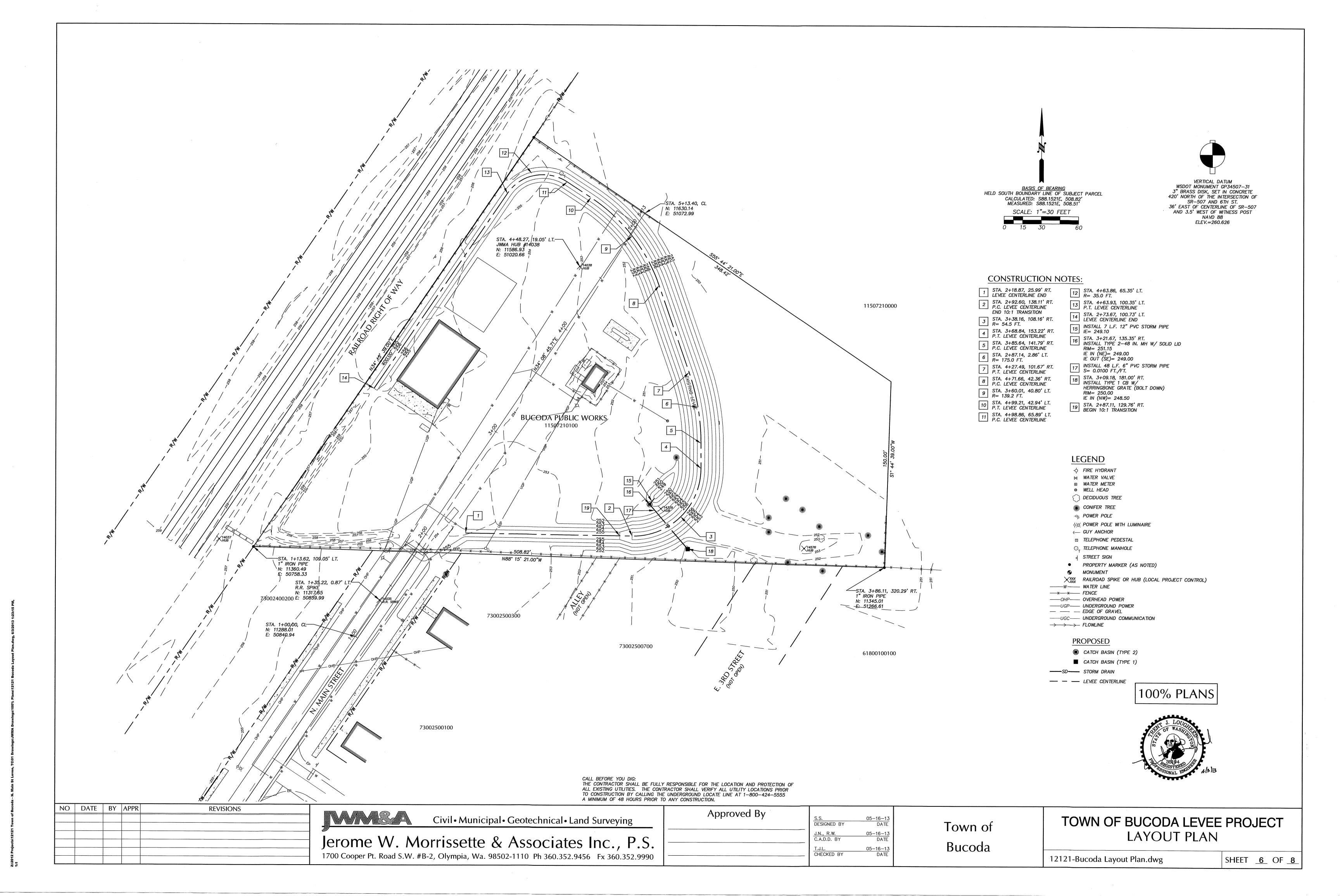
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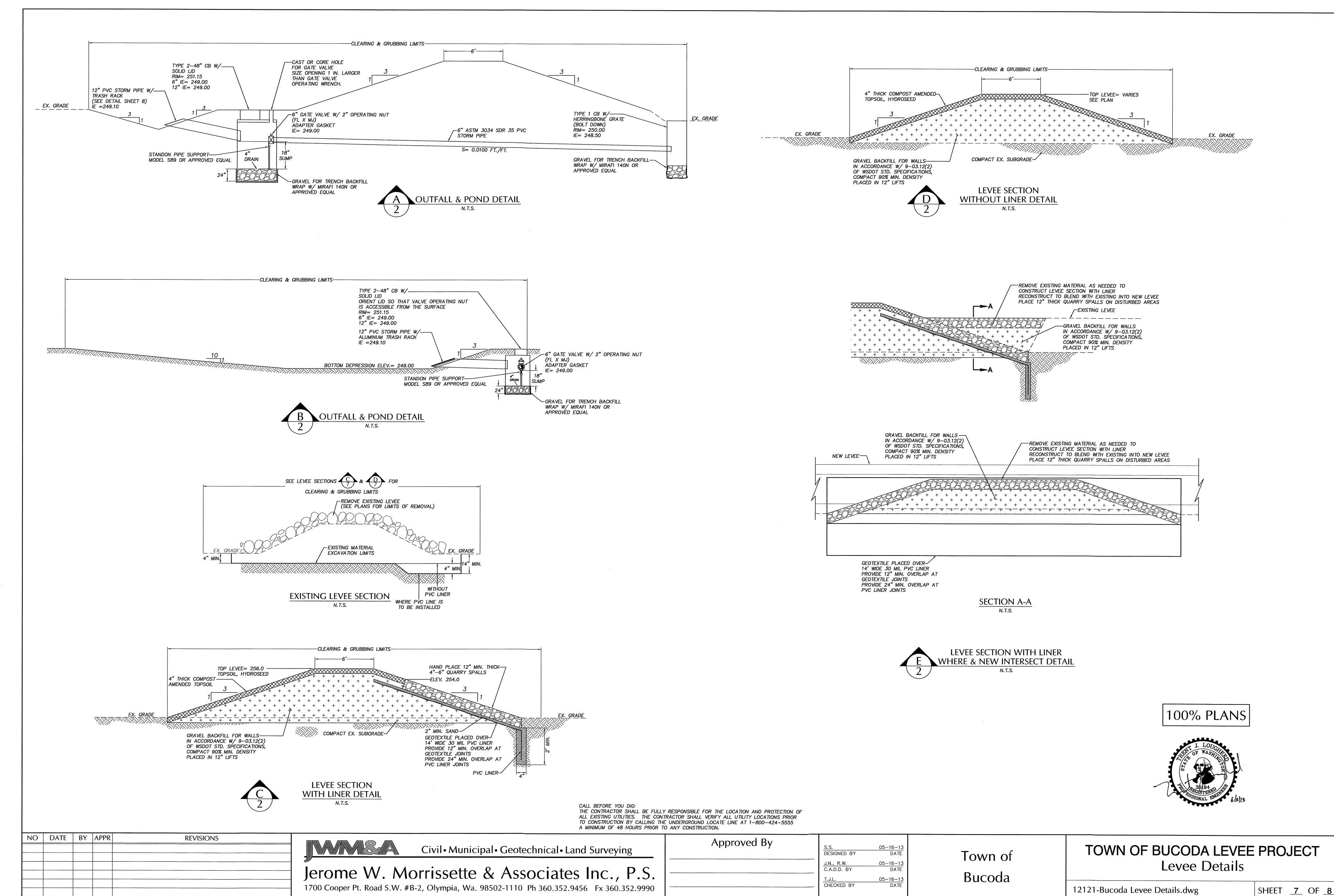
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Town of Bucoda TOWN OF BUCODA LEVEE PROJECT **Erosion Control Notes & Details** 

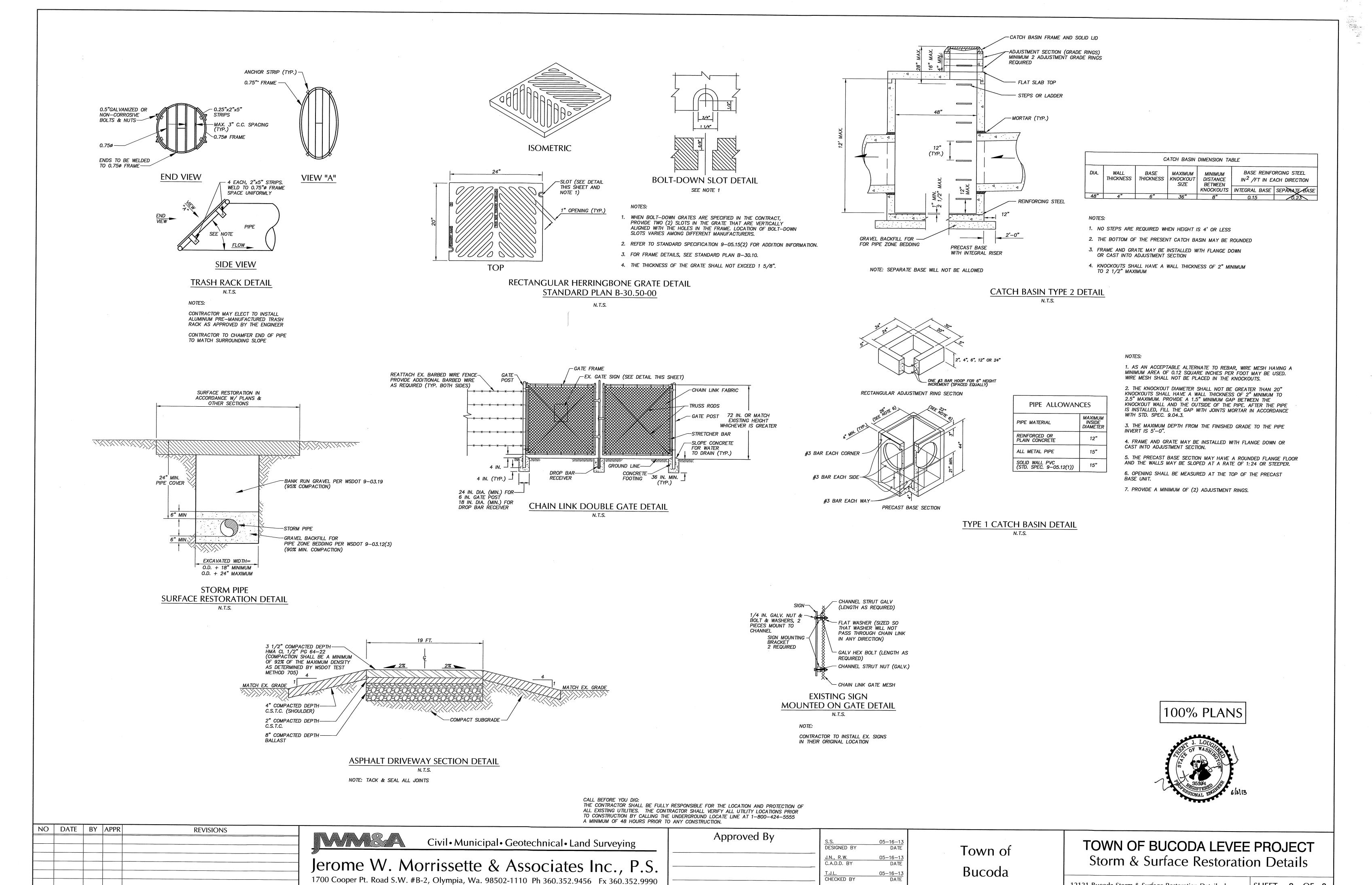
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