

CATLIN TEMP PORTABLE CLASSROOMS

404 LONG AVE  
KELSO, WA 98626

KELSO SCHOOL DISTRICT #458

BID SET

INTEGRUS PROJECT NO. 21938.01

PROJECT TEAM

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601 CRAWFORD ST  
KELSO, WA 98626  
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OWNER'S REP

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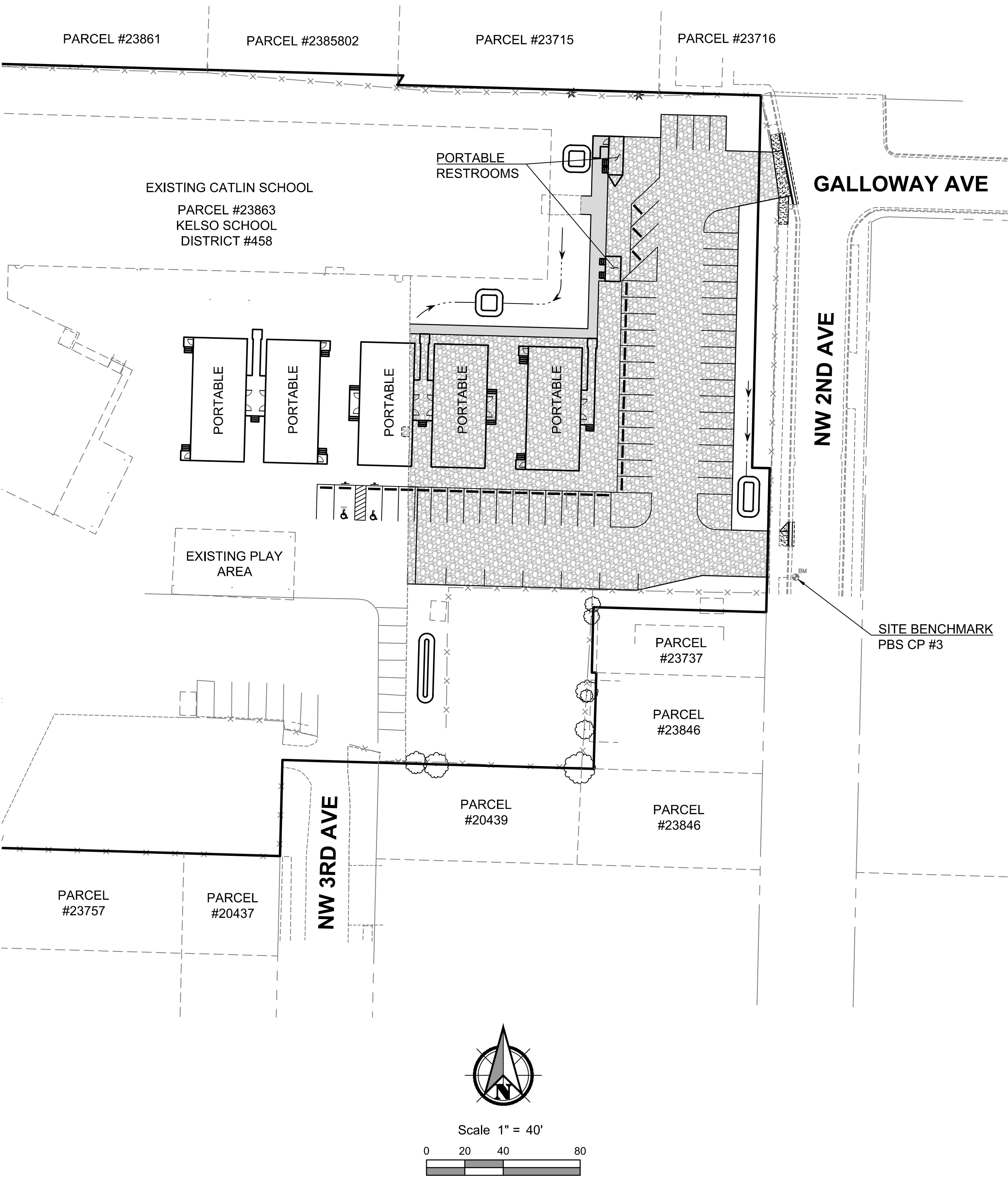
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ARCHITECTURAL
A100 ARCHITECTURAL SITE PLAN



# CATLIN ELEMENTARY SCHOOL PORTABLES

LOCATED IN EAST 1/2 SECTION 27, TOWNSHIP 8 NORTH, RANGE 2 EAST, WILLAMETTE MERIDIAN  
CITY OF KELSO COWLITZ COUNTY, WASHINGTON



**CONTACT INFO:**

Owner:  
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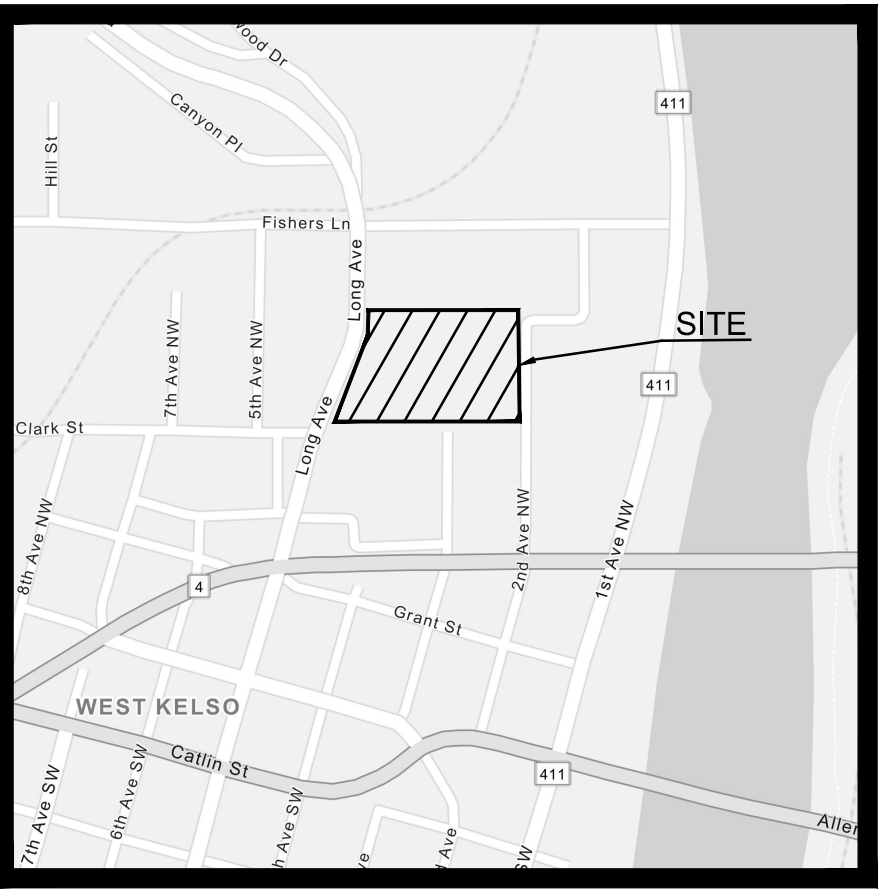
PROJECT ADDRESS:  
404 Long Ave Kelso, WA 98626

**BASIS OF BEARING:**  
BASED ON OBSERVATIONS USING THE WASHINGTON STATE REFERENCE NETWORK (WSRN) HORIZONTAL DATUM: NAD 83\_2011 (EPOCH 2010.00) STATE PLANE COORDINATES (WASHINGTON SOUTH ZONE 4602)

SITE BENCHMARK: PBS CP#3  
ELEVATION=24.90'  
N: 306764.08  
E: 1028013.70  
THE VERTICAL BENCHMARK IS A MAG NAIL SET IN ASPHALT LOCATED AT THE WEST SIDE OF NW 2ND AVENUE, 8' NORTHEAST OF A POWER POLE, 27' WEST OF A SANITARY SEWER 3-CLEANOUT CLUSTER, AND 3.8' EAST OF THE FACE OF CURB.

"I HEREBY CERTIFY THAT THESE PLANS, AND RELATED DESIGN, WERE PREPARED IN CONFORMANCE WITH THE CITY OF KELSO'S ENGINEERING DESIGN MANUAL. I ACKNOWLEDGE THAT CITY APPROVAL OF THESE DOCUMENTS DOES NOT TRANSFER LIABILITY."

Surveyor:  
**PBS Engineering + Environmental**  
415 W 6th Street, Suite 601  
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**Terry Goodman; PLS**  
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**VICINITY MAP**  
NOT TO SCALE

SHEET INDEX	
SHT NO.	DESCRIPTION
C001	COVER
C002	GENERAL NOTES AND LEGEND
C101	EXISTING CONDITIONS AND DEMO PLAN
C201	GRADING AND EROSION CONTROL PLAN
C202	GRADING DETAILS
C203	GRADING DETAILS
C204	EROSION CONTROL DETAILS
C301	STREET AND UTILITY PLAN
C401	TYPICAL SECTIONS
C402	MISCELLANEOUS STREET DETAILS
C403	MISCELLANEOUS UTILITY DETAILS
C404	MISCELLANEOUS UTILITY DETAILS
C405	MISCELLANEOUS UTILITY DETAILS
C406	STANDARD DETAILS

PRELIMINARY - ISSUED FOR REVIEW				
No.	Revision	Date	By	App'd



GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AND THE LATEST EDITION OF THE KELSO ENGINEERING DESIGN MANUAL.
2. THE CONTRACTOR SHALL HAVE A COPY OF THESE PLANS, PROJECT SPECIFICATIONS, ADDENDA, CHANGE ORDERS, AND SWPPP ON THE JOB AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN AND UPDATE A FULL SIZE SET OF AS-BUILTS AND THE SWPPP.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS AND/OR RIGHT OF ENTRIES PRIOR TO CONSTRUCTION WORK.
4. EXISTING UTILITIES SHOWN ON THE PLANS ARE PER SURFACE LOCATING AND RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. IF CONFLICT EXISTS, NOTIFY UTILITY COMPANY AND ENGINEER.
5. IF EXISTING CURB AND SIDEWALK DEDICATED TO REMAIN ARE DAMAGED, THE CURB AND/OR SIDEWALK SHALL BE REMOVED AND REPLACED TO THE ORIGINAL CONDITIONS AT THE CONTRACTOR'S EXPENSE.
6. ALL STREET SIGNS AND STRIPING SHALL BE INSTALLED PER THE CURRENT MUTCD.

PBS - EROSION CONTROL NOTES

1. APPROVAL OF THIS EROSION AND SEDIMENT CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN.
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED, AND VEGETATION IS ESTABLISHED.
3. THE ESC FACILITIES 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, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
4. CARE SHOULD BE TAKEN TO NOT DISTURB MORE AREA THAN NEEDED FOR CONSTRUCTION REQUIREMENTS. ALL DISTURBED SOIL SURFACES ARE TO BE STABILIZED. STABILIZATION OF DISTURBED SOIL AREAS WILL CONSIST OF: HYDROSEEDING OR HANDSEEDING, MULCHING, PLACING OF EROSION CONTROL BLANKETS OR PLASTIC IN LANDSCAPING SOIL AREAS. IT WILL ALSO CONSIST OF PAVING AND CONCRETE WORK IN DRIVING, PARKING, AND SIDEWALK AREAS. ALL SEEDED AREAS ARE TO BE FERTILIZED, WATERED, AND MAINTAINED TO ENHANCE THE IMMEDIATE REGROWTH OF VEGETATION.
5. MATERIAL STOCKPILES ARE TO BE PROTECTED FROM PRECIPITATION BY THE FOLLOWING MEANS:
- TEMPORARY - COVER PILES WITH TARPS OR PLASTIC SHEETING WEIGHTED WITH TIRES, LUMBER OR CONCRETE BLOCKS.
  - PERMANENT - COVER PILES WITH TARPS OR PLASTIC, OR RESEED. PERIMETER AREAS AROUND PILES ARE TO BE SURROUNDED WITH EROSION CONTROL FILTER FABRIC FENCES UNTIL SOILS SURFACE IS STABILIZED WITH RESEEDING.
6. ALL EROSION PREVENTION AND CONTROL BMPs SHALL BE INSPECTED, MAINTAINED AND REPAIRED AS NEEDED THROUGHOUT CONSTRUCTION TO INSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. INSPECTION AND MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO:
- VERIFYING THAT ALL AREAS ARE GRADED SUCH THAT ALL RUNOFF IS DIRECTED TO A SEDIMENTATION TRAP FACILITY BEFORE DISCHARGING TO SURFACE.
  - REMOVAL OF TRAPPED SILTS AT SILT BARRIERS, SILT TRAPS, OR POINTS OF ACCUMULATION.
  - ADDITIONAL PROTECTIVE MEASURES, AS REQUIRED, DUE TO JOB SITE CONDITIONS.
  - STABILIZED CONSTRUCTION ENTRANCES INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. MONITORING OF VEHICLES LEAVING THE SITE TO MINIMIZE TRANSMISSION OF LOOSE SOILS TO THE PUBLIC ROADWAYS.
  - IF SEDIMENT IS TRANSPORTED ONTO A ROAD SURFACE, THE SURFACE IS TO BE CLEANED THOROUGHLY AT THE END OF EACH DAY.
7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A STORM EVENT.
8. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. THIS SEDIMENTATION AND EROSION CONTROL PLAN IS INTENDED TO BE UTILIZED AS A GUIDE TO CONTROL THE TRANSPORTATION OF LOOSE SOILS FROM THE PROPERTY THAT CAUSE WATER QUALITY AND NUISANCE PROBLEMS OUTSIDE OF THE CONSTRUCTION AREA.
10. DEPENDING UPON THE CONTRACTOR'S CONSTRUCTION PRACTICES, SOME PORTIONS OF THE PROPOSED EROSION CONTROL PLAN MAY BE VARIED ACCORDING TO THE JOB SITE CONDITION. ALL CHANGES TO THE PLAN MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ADJUSTMENT.

PBS - INADVERTENT DISCOVERY

1. IN THE EVENT ANY ARCHAEOLOGICAL OR HISTORIC MATERIALS ARE ENCOUNTERED DURING PROJECT ACTIVITY, WORK IN THE IMMEDIATE AREA (INITIALLY ALLOWING FOR A 100' BUFFER; THIS NUMBER MAY VARY BY CIRCUMSTANCE) MUST STOP AND THE FOLLOWING ACTIONS TAKEN:
- IMPLEMENT REASONABLE MEASURES TO PROTECT THE DISCOVERY SITE, INCLUDING ANY APPROPRIATE STABILIZATIONS OR COVERING; AND
  - TAKE REASONABLE STEPS TO INSURE THE CONFIDENTIALITY OF THE DISCOVERY SITE; AND,
  - TAKE REASONABLE STEPS TO RESTRICT ACCESS TO THE SITE OF DISCOVERY.
2. THE PROJECT PROPONENT WILL NOTIFY THE CONCERNED TRIBES AND ALL

- APPROPRIATE COUNTY, STATE, AND FEDERAL AGENCIES, INCLUDING THE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION, THE AGENCIES AND TRIBE(S) WILL DISCUSS POSSIBLE MEASURES TO REMOVE OR AVOID CULTURAL MATERIAL, AND WILL REACH AN AGREEMENT WITH THE PROJECT PROPONENT REGARDING ACTIONS TO BE TAKEN AND DISPOSITION OF MATERIAL.
3. IF ANY CULTURAL RESOURCES AND OR HUMAN REMAINS ARE DISCOVERED IN THE COURSE OF UNDERTAKING THE DEVELOPMENT ACTIVITY, THE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION IN OLYMPIA SHALL BE NOTIFIED. FAILURE TO COMPLY WITH THESE STATE REQUIREMENTS MAY CONSTITUTE A CLASS C FELONY, SUBJECT TO IMPRISONMENT AND OR FINES.
4. SEE THE REVISED CODE OF WASHINGTON, CHAPTER 27.53, "ARCHAEOLOGICAL SITES AND RESOURCES;" FOR APPLICABLE STATE LAWS AND STATUTES. SEE ALSO WASHINGTON STATE EXECUTIVE ORDER 95-05, "ARCHAEOLOGICAL AND CULTURAL RESOURCES;" ADDITIONAL STATE AND FEDERAL LAWS(S) MAY ALSO APPLY.

PBS - SITE GRADING

1. THE ENTIRE SITE IS TO BE MOVED AND STRIPPED TO REMOVE ALL GRASS, ROOTS, ORGANIC SOIL, AND CONSTRUCTION FILL DEBRIS PRIOR TO THE BEGINNING OF ANY GRADING OPERATIONS. THE CONTRACTOR SHALL SALVAGE AND STOCKPILE ENOUGH SLOTTED TOP SOIL TO ACCOMMODATE LANDSCAPING NEEDS.
2. FOLLOWING STRIPPING AND GRUBBING, THE EXPOSED SOILS SHALL BE PROOF ROLLED TO REVEAL WEAK, ORGANIC, OR OTHER UNSUITABLE SOILS. UNSUITABLE SOILS SHALL BE EXCAVATED TO FIRM GROUND AND FILLED TO GRADE WITH SUITABLE NATIVE OR STRUCTURAL FILL.
3. EXPOSED SUBGRADE SOILS ON AREAS TO RECEIVE STRUCTURAL FILL SHOULD BE SCARIFIED TO A DEPTH OF 6 INCHES.
4. FILL AREAS SHALL BE STRUCTURALLY FILLED WITH SURPLUS SUITABLE MATERIALS FROM CUT AREAS OR IMPORTED STRUCTURAL FILL. SELECT MATERIALS SHALL BE PLACED IN FILL AREAS IN LIFTS NOT TO EXCEED 8". EACH LIFT SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY. FILL MATERIALS SHOULD BE FREE OF ORGANICS, AND ROCK FRAGMENTS IN EXCESS OF 6" IN DIMENSION.
5. COMPACTION TESTING SHALL BE DONE IN ACCORDANCE WITH THE AASHTO T-99.
6. AT THE END OF THE GRADING OPERATION, THE STOCKPILED STRIPPINGS SHALL BE DISTRIBUTED ON THE LANDSCAPE AREAS IN A COMPACTED DEPTH NOT TO EXCEED 12".
7. ALL DELETERIOUS MATERIALS GENERATED DURING SITE GRADING AND STRIPPINGS NOT UTILIZED IN THE FINAL GROUND COVER OPERATION SHALL BE HAULED FROM THE SITE TO A CONTRACTOR PROVIDED WASTE SITE.
8. ANY EXCESS MATERIAL, NOT REQUIRED TO COMPLETE THE GRADES SHOWN ON THE PLANS SHALL BE HAULED FROM THE SITE TO A CONTRACTOR PROVIDED WASTE SITE.
9. ALL SURFACES SHALL BE GRADED SMOOTH AND FREE OF IRREGULARITIES THAT MIGHT ACCUMULATE SURFACE WATER.
10. ALL GRADING OPERATIONS AND DISTURBED SURFACE STABILIZATION SHALL BE IN ACCORDANCE WITH THE PROJECT'S EROSION CONTROL PLAN SHEETS.

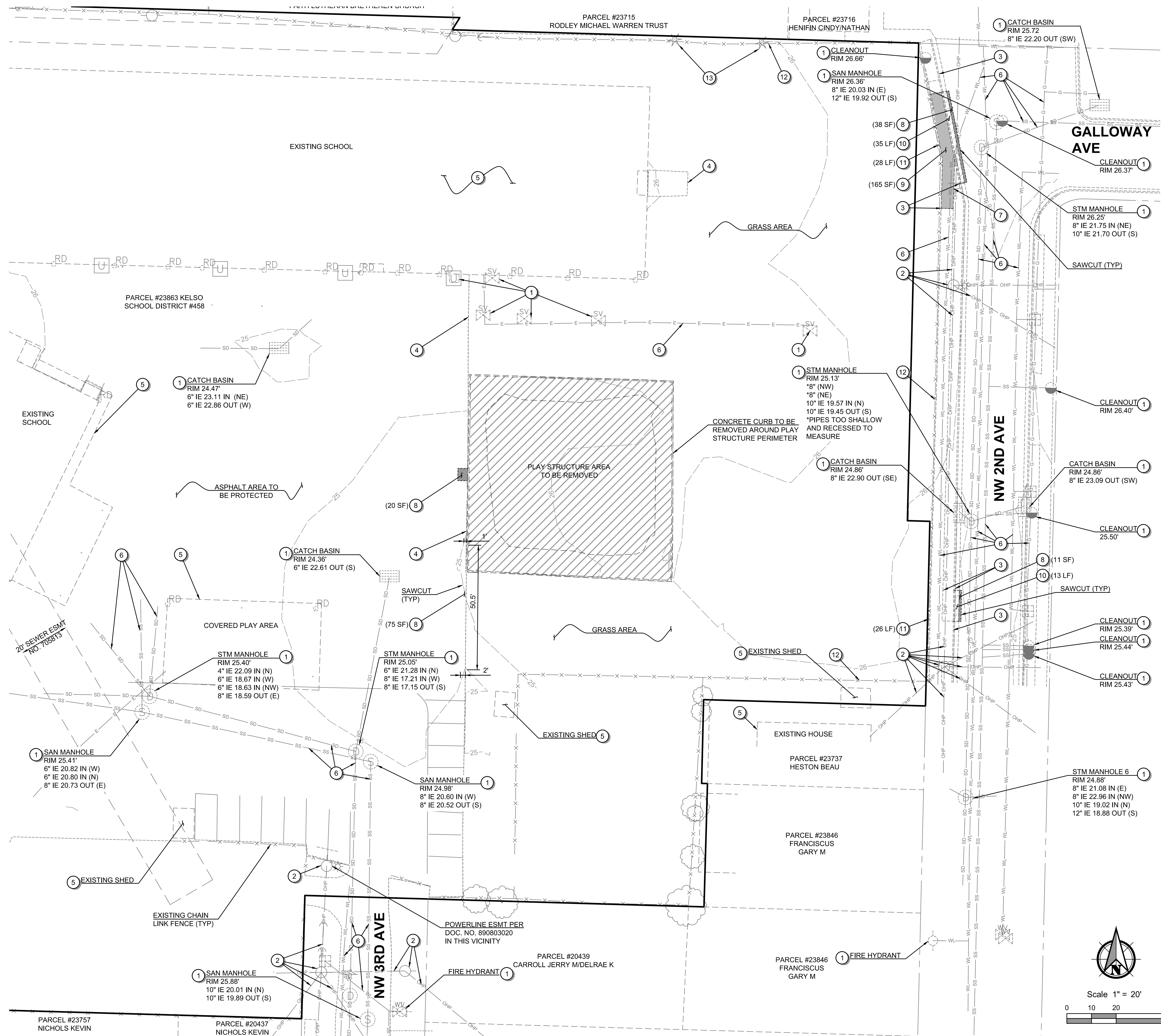
PBS - STORM SEWER

1. MATERIALS FOR STORM SEWER PIPE UP TO 10-INCHES IN DIAMETER SHALL BE CORRUGATED POLYETHYLENE DRAIN PIPE OR APPROVED EQUAL. COUPLINGS MEETING THE REQUIREMENTS OF AASHTO M 252 TYPE S (ADS N-12, OR PROJECT APPROVED), UNLESS OTHERWISE NOTED.
2. TRACER WIRE SHALL BE INSTALLED IN THE SAME ORIENTATION TO THE INSTALLED NON-CONDUCTIVE PIPE IN ONE CONTINUOUS STRAND. INSTALL A WARNING TAPE 12 TO 18 INCHES ABOVE THE INSTALLED PIPE. CONTINUITY TESTING OF TRACER WIRE IS REQUIRED.
3. INSTALLED PIPE SHALL BE CLEANED BY USE OF HIGH PRESSURE NOZZLE AND VACUUM TRUCK PRIOR TO VIDEOING OR TESTING.
4. VIDEO INSPECTION SHALL BE PERFORMED ON THE INSTALLED PIPE. VIDEO INSPECTION SHALL DEMONSTRATE NO DEFORMATION, MANUFACTURING OR INSTALLATION DEFECTS, OR ANY DEBRIS IN THE LINES, FOR APPROVAL AND ACCEPTANCE BY THE CITY.
5. PRESSURE TESTING IN ALL STORM MAIN LINES IS REQUIRED.
6. IF SUBGRADE CONDITIONS ARE SUBSTANDARD, FOUNDATION MATERIAL SHALL BE INSTALLED TO THE DEPTH AS DIRECTED BY THE CITY ENGINEER.
7. A UNIFORM SLOPE BETWEEN STRUCTURES IS REQUIRED FOR ALL INSTALLED CONVEYANCE PIPES. THE ALLOWABLE TOLERANCE FOR SAGS OR BELLIES IN A NEWLY INSTALLED PIPE SHALL BE 0.5 INCHES. FOR SLOPES STEEPER THAN 20 PERCENT, CLOSED CONDUIT SYSTEMS SHALL BE DESIGNED BY ACCEPTED ENGINEERING PRACTICES.

Existing Linetype Legend		Proposed/Future Linetype Legend		Abbreviation Legend	
Existing Sanitary Sewer Pipe	--- 12" SS --- 12" SS ---	Proposed Sanitary Sewer Pipe	=====	Acres	AC
Existing 4" Sanitary Sewer Pipe	--- 4" SS --- 4" SS ---	Proposed Storm Perf Pipe	=====	Assembly	ASSY
Existing 6" Sanitary Sewer Pipe	--- 6" SS --- 6" SS ---	Proposed Storm Pipe	=====	Avenue	AVE
Existing 8" Sanitary Sewer Pipe	--- 8" SS --- 8" SS ---	Proposed Water Lateral	=====	Approved	APPD
Existing 10" Sanitary Sewer Pipe	--- 10" SS --- 10" SS ---	Proposed Water Pipe	=====	Butterfly	BF
Existing 12" Sanitary Sewer Pipe	--- 12" SS --- 12" SS ---	Proposed Irrigation Pipe	=====	Boulevard	BLVD
Existing 15" Sanitary Sewer Pipe	--- 15" SS --- 15" SS ---	Proposed Irrigation Lateral	=====	Benchmark	BM
Existing 18" Sanitary Sewer Pipe	--- 18" SS --- 18" SS ---	Proposed Lot Line	=====	Blow Off	BO
Existing 24" Sanitary Sewer Pipe	--- 24" SS --- 24" SS ---	Proposed Centerline	=====	Back Of Curb	BOC
Existing 30" Sanitary Sewer Pipe	--- 30" SS --- 30" SS ---	Proposed Right-of-way	=====	Begin Vertical Curve	BVC
Existing Sanitary Force Main	--- FM --- FM ---	Proposed Sawcut Line	=====	Care Of	C/O
Existing Storm Sewer Pipe	--- SS --- SS ---	Proposed Easement	=====	Catch Basin	CB
Existing 4" Storm Sewer Pipe	--- 4" SS --- 4" SS ---	Proposed Curb & Gutter	=====	Cubic Feet	CF
Existing 6" Storm Sewer Pipe	--- 6" SS --- 6" SS ---	Proposed Edge Of Pav't	=====	Cast Iron	CI
Existing 8" Storm Sewer Pipe	--- 8" SS --- 8" SS ---	Proposed Sidewalk	=====	Cement	CEM
Existing 10" Storm Sewer Pipe	--- 10" SS --- 10" SS ---	Proposed Wall	=====	Circle	CIR
Existing 12" Storm Sewer Pipe	--- 12" SS --- 12" SS ---	Proposed Building	=====	City of Kelso	COK
Existing 15" Storm Sewer Pipe	--- 15" SS --- 15" SS ---	Proposed Setback	=====	Centerline	CL
Existing 18" Storm Sewer Pipe	--- 18" SS --- 18" SS ---	Proposed Property Line	=====	Corrugated Metal Pipe	CMP
Existing 24" Storm Sewer Pipe	--- 24" SS --- 24" SS ---	Proposed Cut Line	=====	Cleanout	CO
Existing Water Pipe	--- W --- W ---	Proposed Score Line	=====	City of Kelso	COK
Existing 4" Water Pipe	--- 4" W --- 4" W ---	Proposed Paint Stripe	=====	Compaction	COMP
Existing 6" Water Pipe	--- 6" W --- 6" W ---	Proposed Fence	--- X --- X --- X --- X ---	Concrete	CONC
Existing 8" Water Pipe	--- 8" W --- 8" W ---	Proposed Wetland Buffer	--- . . . . .	Construction	CONST
Existing 10" Water Pipe	--- 10" W --- 10" W ---	Proposed Wetland Perimeter	--- . . . . .	Corrugated Polyethylene	CPE
Existing 12" Water Pipe	--- 12" W --- 12" W ---	Proposed Contour	--- 253 ---	Concrete Sewer Pipe	CSP
Existing 15" Water Pipe	--- 15" W --- 15" W ---	Erosion Control Filter Fabric Fence	--- X --- X --- X --- X ---	Court	CT
Existing 18" Water Pipe	--- 18" W --- 18" W ---			Cubic Yard	CY
Existing 24" Water Pipe	--- 24" W --- 24" W ---			Cement	CEM
Existing Water Lateral	--- WL --- WL ---			Depth	D
Existing Irrigation Pipe	--- IRR --- IRR ---			Ductile Iron	DI
Existing 4" Irrigation Pipe	--- 4" IRR --- 4" IRR ---			Diameter	DIA
Existing 6" Irrigation Pipe	--- 6" IRR --- 6" IRR ---			Ductile Iron Pipe	DIP
Existing 8" Irrigation Pipe	--- 8" IRR --- 8" IRR ---			Down Spout	DS
Existing 10" Irrigation Pipe	--- 10" IRR --- 10" IRR ---			Edge Of Pavement	EOP
Existing 12" Irrigation Pipe	--- 12" IRR --- 12" IRR ---			End Curb Return	ER
Existing Irrigation Lateral	--- IL --- IL ---			Easement	ESMT
Existing Cable TV Line	--- CTV --- CTV ---			Existing	EXTG
Existing Electric Line	--- E --- E ---			Elevation	EL
Existing Gas Line	--- G --- G ---			Electric	ELEC
Existing Over Head Power Line	--- OHP --- OHP ---			End Vertical Curb	EV
Existing Telephone Line	--- T --- T ---			Finished Floor	FF
Existing Fiber Optic Line	--- FO --- FO ---			Finished Grade	FG
Existing Underground Utility Line	--- UGP --- UGP ---			Fire Hydrant	FH
Existing Centerline	=====			Flange	FLG
Existing Curb	=====			Force Main	FM
Existing Lot Line	=====			Foot / Feet	FT
Existing Gravel road	=====			Gas	G
Existing Paint Stripe	=====			Galvanized Iron	GI
Existing Right-of-way	=====			Ground	GRD
Existing Building	=====			Gate Valve	GV
Existing Wetland Perimeter	=====			High Density Polyethylene	HDPE
Existing Wetland Buffer	=====			Horizontal	HORIZ
Existing Property Line	=====			Invert Elevation	IE
Existing Utility Easement	=====			Intersection	INTX
Existing Quarter Section	=====			Lateral	LAT
Existing Railroad	=====			Maximum	MAX
Existing Fence	--- X --- X --- X --- X ---			Manhole	MH
Existing Wall	=====			Minimum	MIN
Existing Contour	--- 253 ---			Mechanical Joint	MJ
				Number	No. or #
				Pavement	PAV'T
				Polyvinyl Chloride	PVC
				Proposed	PROP
				Rain Drain	RD
				Right Of Way	R/W
				Right	RT
				Sheet	SHT
				Sidewalk	S/W
				Street	ST
				Station Centerline	STA
				Standard	STD
				Sanitary	SAN
				Storm	STM
				Temporary Benchmark	TBM
				Top Of Curb	TC
				Temporary	TEMP
				Typical	TYP
				State of Washington Department of Transportation	WSDOT

Symbol Legend	
Existing Water Valve	⊕
Existing Gas Valve	⊕
Existing Fire Hydrant	⊕
Existing Power Pole	⊕
Existing Water Meter	⊕
Existing Irrigation Box	⊕
Existing Project Bench Mark	⊕
Existing Light Fixture	⊕
Existing Sanitary Manhole	⊕
Existing Storm Manhole	⊕
Existing Catch Basin	⊕
Existing Area Drain	⊕
Existing Power Vault	⊕
Existing Power Transformer	⊕
Existing Cleanout	⊕
Existing Gas Meter	⊕
Existing Sign	⊕
Proposed Road Sign	⊕
Proposed Flow Arrow	⊕
Proposed Catch Basins	⊕
Proposed Area Drain	⊕
Proposed Rain Drain	⊕
Proposed Storm Cleanout	⊕
Proposed Inlet Protection Pillow	⊕
Proposed Gravel Construction Entrance	⊕





- GENERAL NOTES**
1. FOR GENERAL NOTES AND LEGEND, SEE SHEET C002.
  2. IF EXISTING CURB, SIDEWALK AND/OR PAVEMENT DEDICATED TO REMAIN IS DAMAGED, THEN IT SHALL BE REMOVED AND REPLACED TO ORIGINAL CONDITIONS AT THE CONTRACTOR'S EXPENSE.
- EROSION CONTROL NOTES**
1. PROTECT EXISTING UTILITY STRUCTURE.
  2. PROTECT EXISTING POWER POLE AND OVERHEAD POWER LINES.
  3. PROTECT EXISTING SIDEWALK/CURB.
  4. PROTECT EXISTING ASPHALT.
  5. PROTECT EXISTING STRUCTURE.
  6. PROTECT EXISTING UNDERGROUND UTILITY LINE.
  7. PROTECT EXISTING SIGN.
  8. EXISTING ASPHALT TO BE REMOVED.
  9. EXISTING SIDEWALK TO BE REMOVED.
  10. EXISTING CURB AND GUTTER TO BE REMOVED.
  11. REMOVE CHAIN LINK FENCE TO NEAREST FENCE-POST OUTSIDE OF THE SHOWN REMOVAL LIMITS.
  12. PROTECT EXISTING FENCE.
  13. PROTECT EXISTING TREE.

Demo Hatch Legend	
	Asphalt Removal
	Concrete Removal
	Concrete Curb and Play Structure Removal

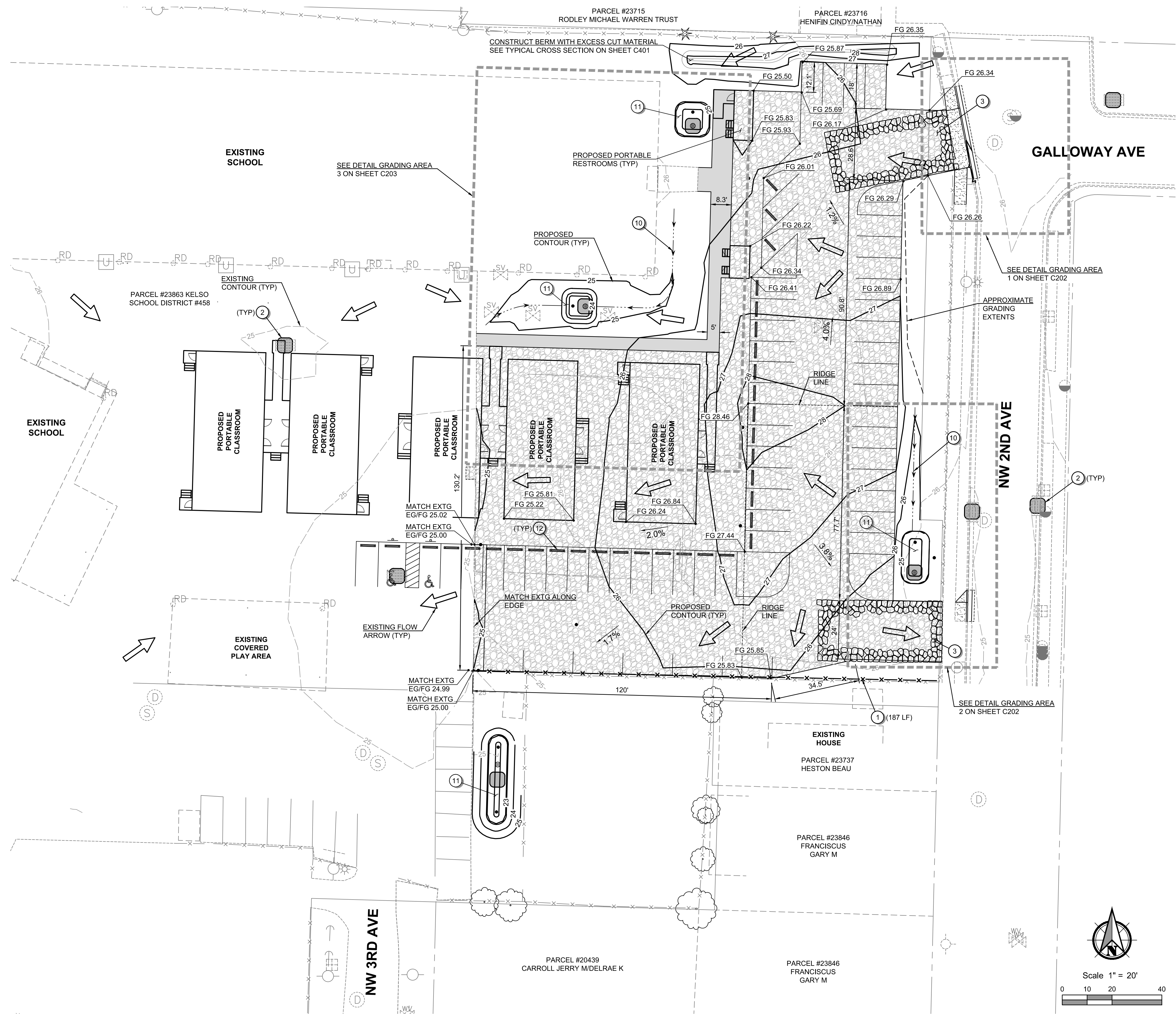
**KELSO SCHOOL DISTRICT NO. 458**  
**CATLIN ELEMENTARY SCHOOL PORTABLES**  
404 LONG AVENUE, KELSO, WA 98626

Date:	5/28/2021
Job No.:	21938.000
Drawn By:	PVR / ANW
Checked by:	EAP
Revisions	
#	Date Description

EXISTING  
CONDITIONS  
AND DEMO PLAN

**C101**

**PRELIMINARY**  
SUBJECT TO AGENCY REVIEW  
NOT FOR CONSTRUCTION  
BID SET



**GENERAL NOTES**

1. SEE SHEET C002 FOR GENERAL NOTES AND LEGEND.
2. POST CONSTRUCTION SOIL QUALITY AND DEPTH (BMP T5.13) SHALL BE USED TO THE MAXIMUM EXTENT FEASIBLE FOR THE PROJECT'S LAWN AND LANDSCAPE AREAS.

**EROSION CONTROL NOTES**

- ① INSTALL SILT FENCE PER WSDOT STANDARD PLAN I-30.15 ON C204.
- ② INSTALL INLET PROTECTION PER WSDOT STANDARD PLAN I-40.22 ON C204.
- ③ INSTALL CONSTRUCTION ENTRANCE PER WSDOT STANDARD PLAN I-80.10 ON SHEET C204.

**SITE NOTES**

- ⑩ PROPOSED V-DITCH PER DETAIL ON SHEET C403.
- ⑪ PROPOSED BIORETENTION FACILITY, SEE SHEET C301 FOR MORE DETAIL.
- ⑫ PROPOSED WHEEL STOP PER DETAIL ON SHEET C402.

CUT/FILL ESTIMATE *	
FILL	333 C.Y.
CUT	503 C.Y.
NET CUT	170 C.Y.

\* CUT AND FILL VOLUMES DO NOT INCLUDE SHRINK-SWELL VOLUMES OR UTILITY TRENCHING.

**KELSO SCHOOL DISTRICT NO. 458  
CATLIN ELEMENTARY SCHOOL PORTABLES**  
404 LONG AVENUE, KELSO, WA 98626

Date:	5/28/2021	
Job No.:	21938.000	
Drawn By:	PVR / ANW	
Checked by:	EAP	
Revisions		
#	Date	Description

GRADING AND  
EROSION  
CONTROL PLAN

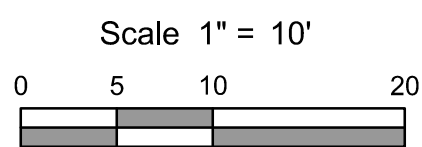
**C201**

**PRELIMINARY**  
SUBJECT TO AGENCY REVIEW  
NOT FOR CONSTRUCTION  
BID SET










3 CONSTRUCT BIORETENTION FACILITY PER DETAIL ON C405.

**C203**

404 LONG AVENUE, KELSO, WA 98626

Revisions		
#	Date	Description


**C203**



**PBS Engineering and Construction**  
 415 IV Rd Street, Suite 601  
 Vancouver, WA 98660  
 Phone: 360.544.4446

**integrus** ARCHITECTURE

11800 T CEDAR ST, VAN., WA., 98104  
 11800 T CEDAR ST, VAN., WA., 98104  
 11800 T CEDAR ST, VAN., WA., 98104



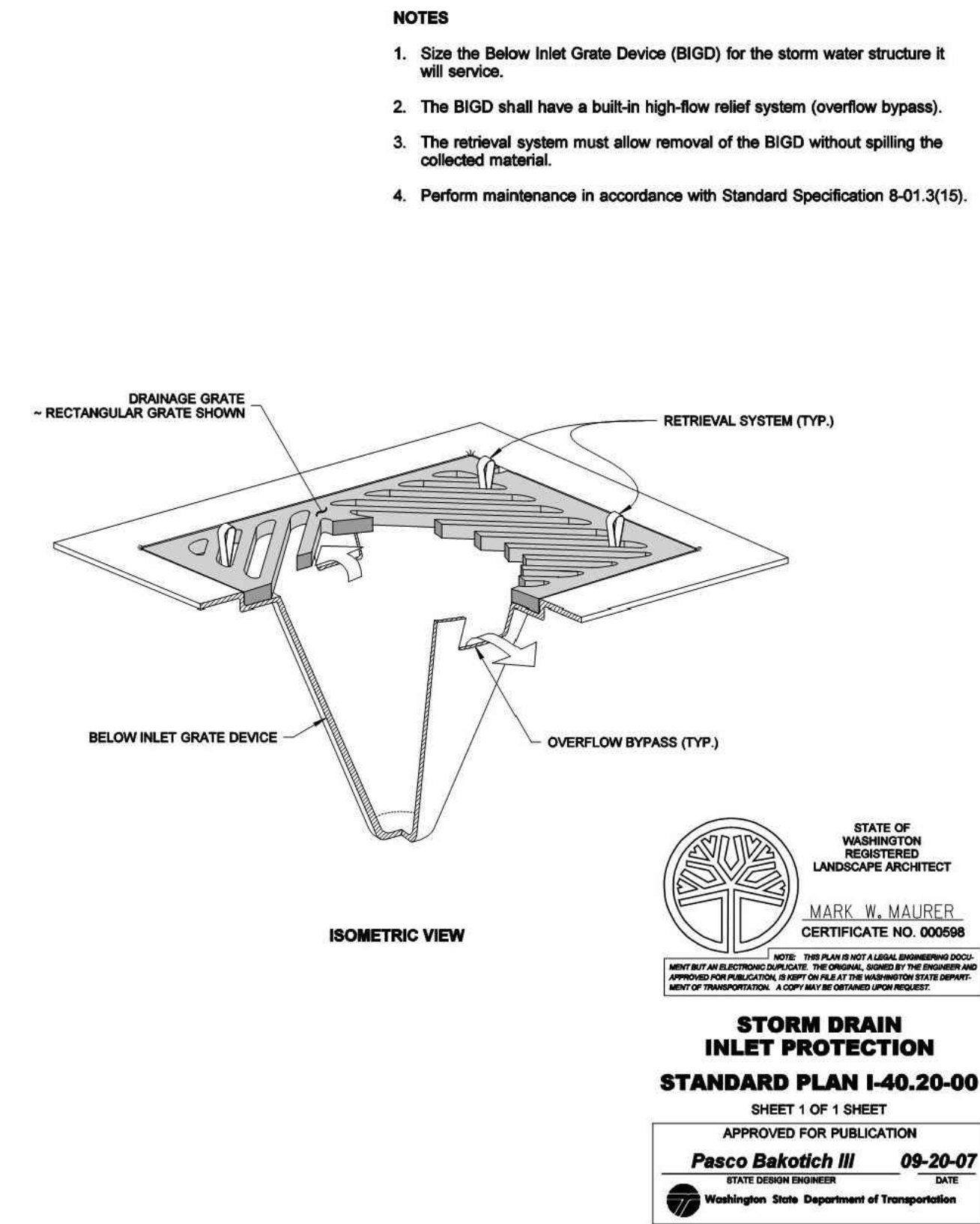
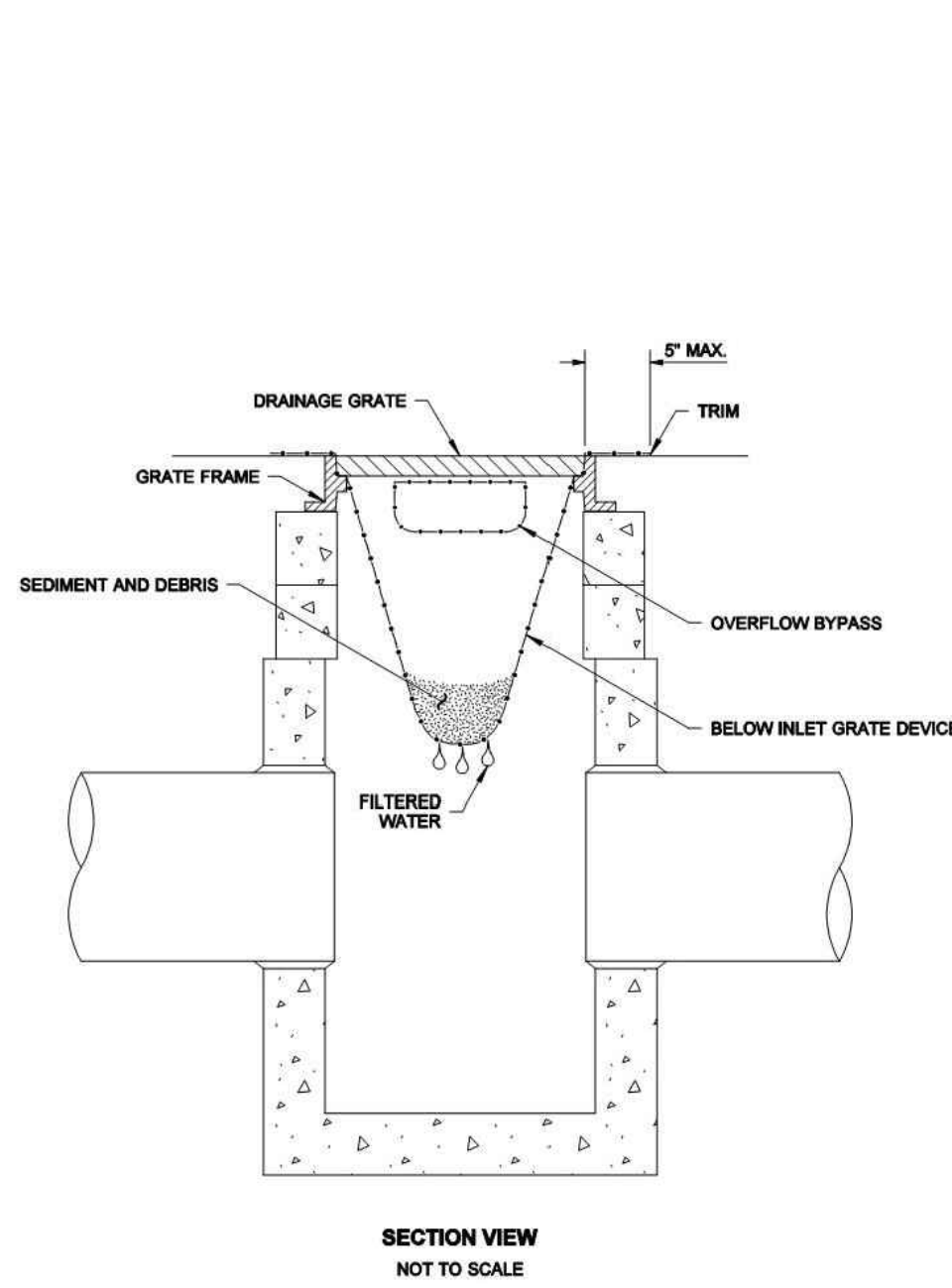
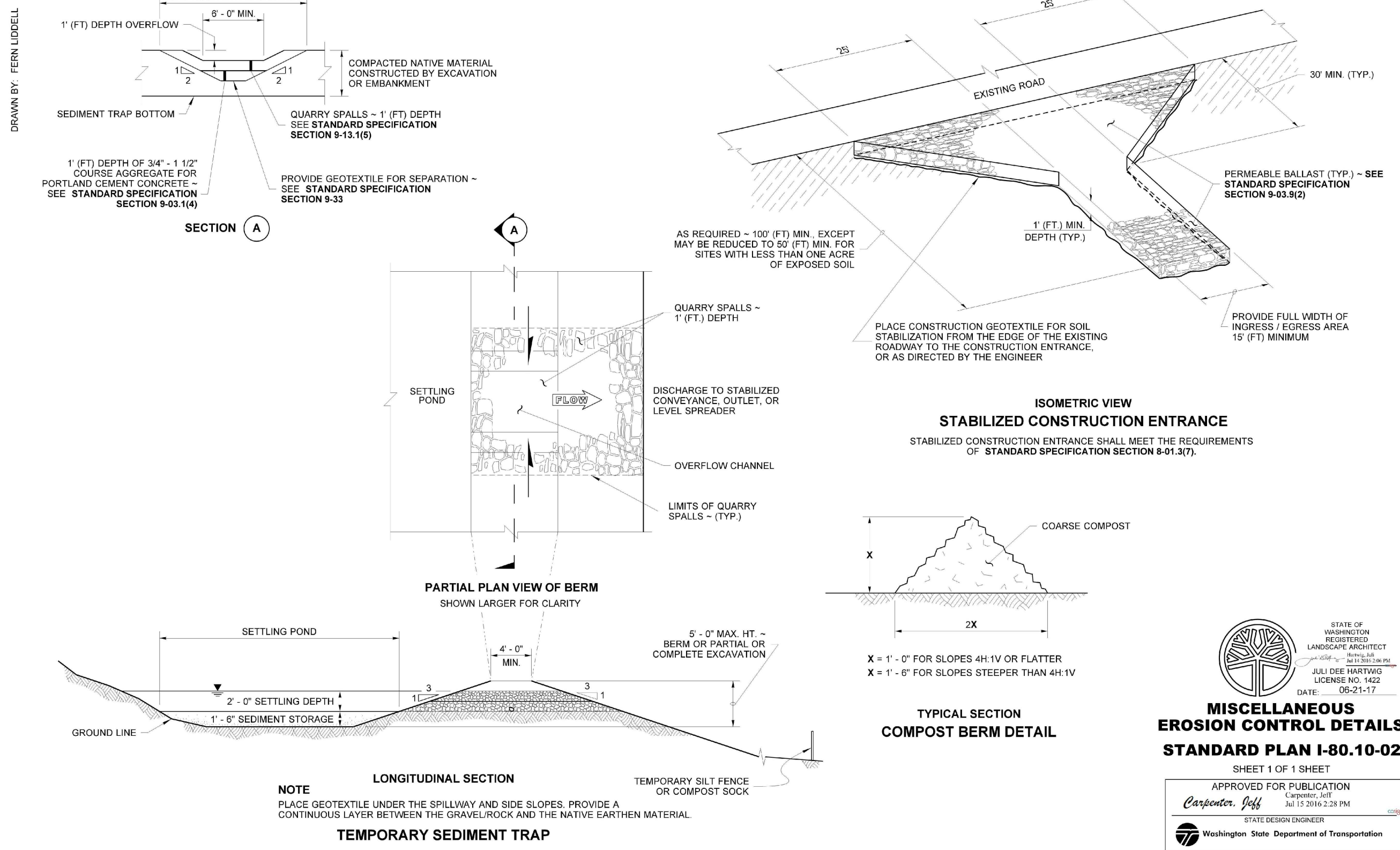
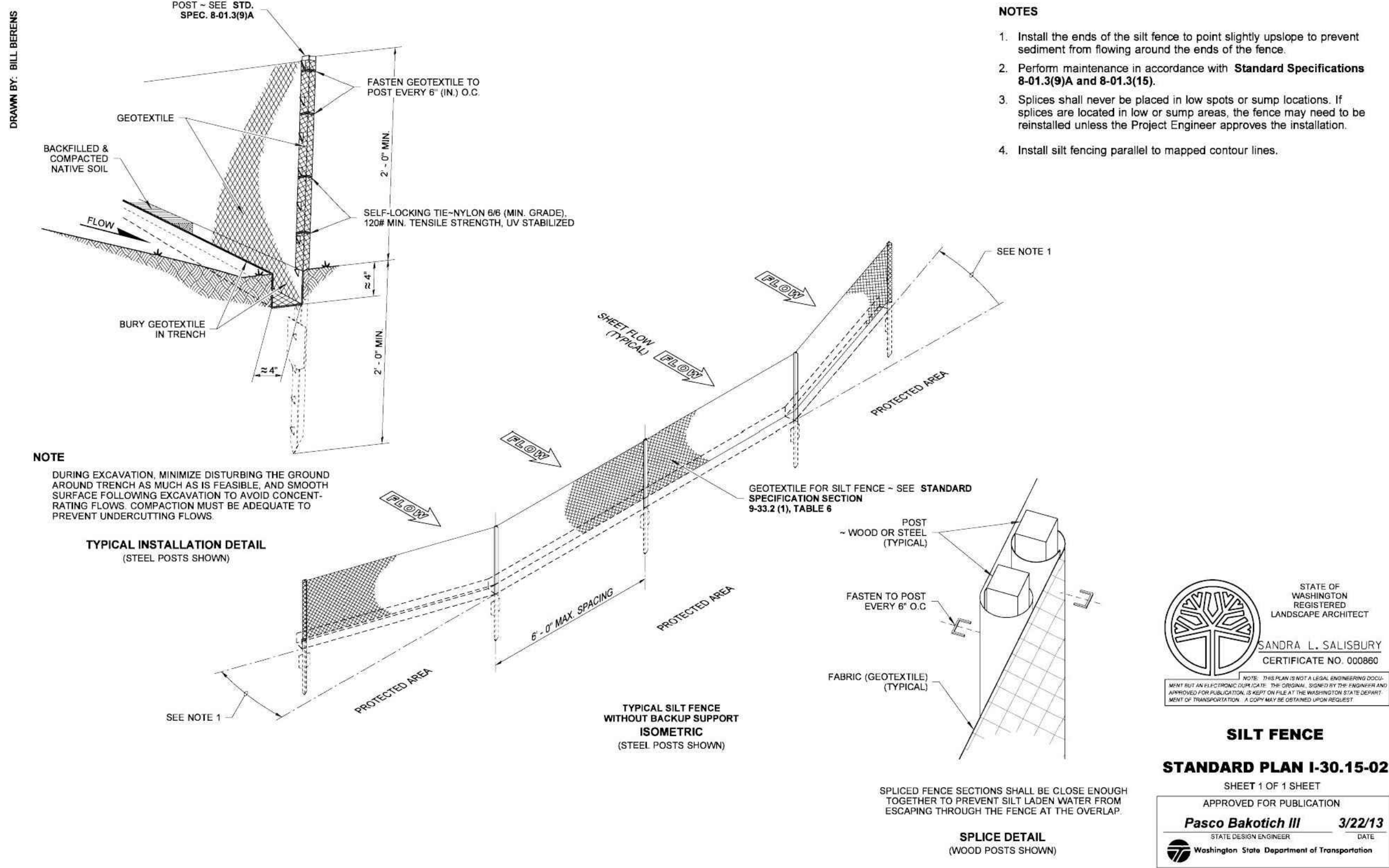
06/21/2021

**PBS PROJECT NO. 71500.001**

[pbs.com](http://pbs.com)

[info@pbs.com](mailto:info@pbs.com)





KELSO SCHOOL DISTRICT NO. 458  
CATLIN ELEMENTARY SCHOOL PORTABLES  
404 LONG AVENUE, KELSO, WA 98626

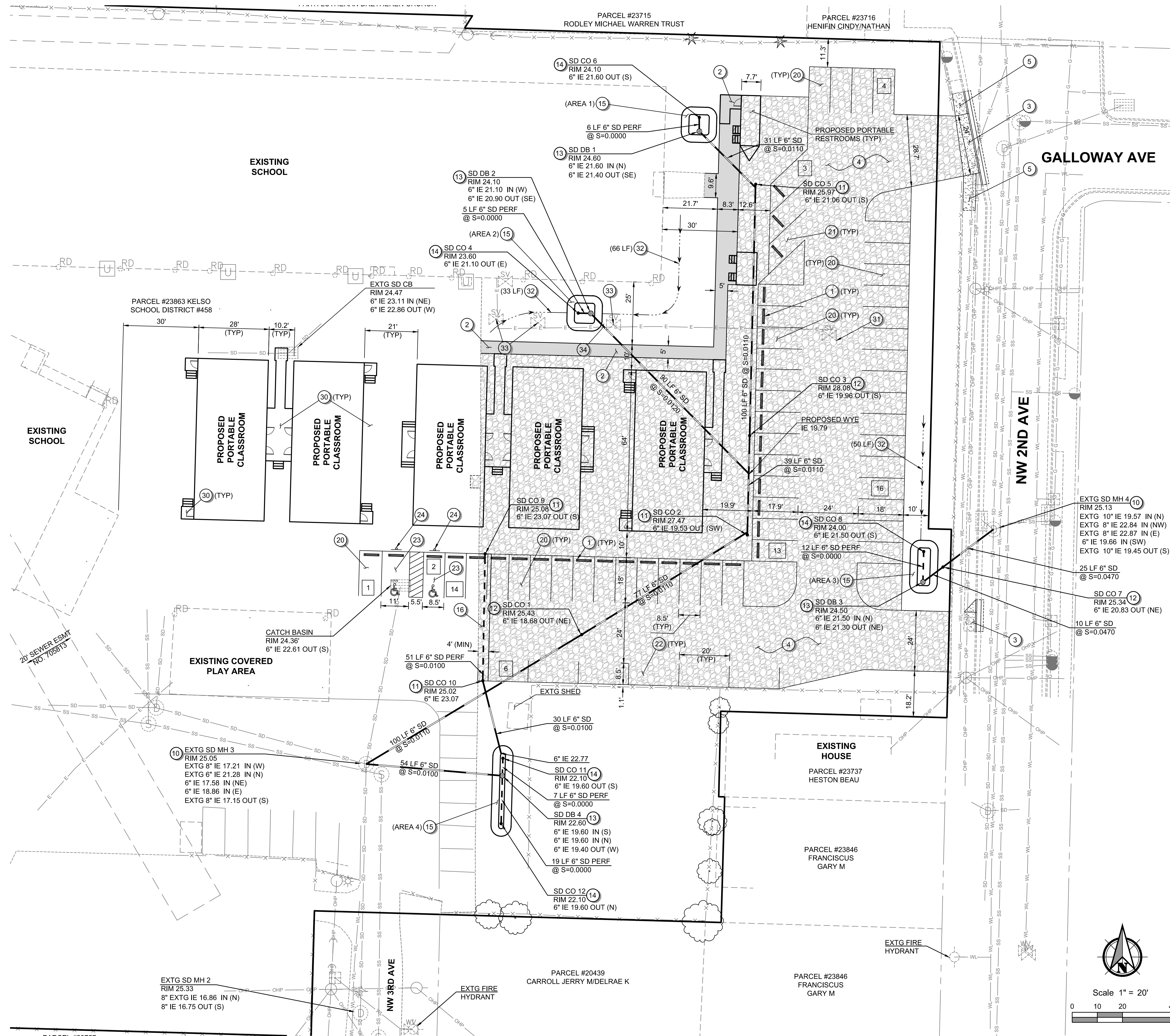
Date:	5/28/2021	
Job No.:	21938.000	
Drawn By:	PVR / ANW	
Checked by:	EAP	
Revisions		
#	Date	Description

EROSION  
CONTROL  
DETAILS

C204

PRELIMINARY  
SUBJECT TO AGENCY REVIEW  
NOT FOR CONSTRUCTION  
BID SET





- GENERAL NOTES:**
1. FOR GENERAL NOTES AND LEGEND, SEE SHEETS C002.
- STREET CONSTRUCTION NOTES:**
1. INSTALL PRECAST CONCRETE WHEEL STOP PER DETAIL ON SHEET C403.
  2. CONSTRUCT PEDESTRIAN ASPHALT PAVING PER DETAIL ON SHEET C401.
  3. CONSTRUCT DRIVEWAY APPROACH PER COK DETAIL ST-160 ON SHEET C406. SEE SHEET C202 FOR GRADING INFORMATION. DRIVEWAY APPROACH IS TO BE REMOVED AFTER TEMPORARY USE. RESTORE CURB AND GUTTER AND SIDEWALK TO EXISTING.
  4. CONSTRUCT GRAVEL SURFACE PER DETAIL ON SHEET C401.
  5. CONSTRUCT SIDEWALK PER COK DETAIL ST-150 ON SHEET C406.
- STORMWATER CONSTRUCTION NOTES:**
10. CONNECT TO EXISTING MANHOLE.
  11. INSTALL STORM CLEANOUT PER DETAIL PER DETAIL ON SHEET C402.
  12. INSTALL INLINE STORM CLEANOUT PER DETAIL PER DETAIL ON SHEET C402.
  13. INSTALL 18" NYLOPLAST DRAIN BASIN WITH DOME GRATE PER DETAIL ON SHEET C404.
  14. INSTALL STORM CLEANOUT (BIORETENTION) PER DETAIL ON SHEET C405.
  15. INSTALL BIORETENTION FACILITY PER DETAIL ON SHEET C405.
  16. CONSTRUCT TRENCH DRAIN PER DETAIL ON SHEET C401.
- PAVEMENT MARKING NOTES:**
20. INSTALL STANDARD PARKING STALL PER DETAIL ON SHEET C403.
  21. INSTALL ANGLED PARKING STALL PER DETAIL ON SHEET C403.
  22. INSTALL PARALLEL PARKING STALL PER DETAIL ON SHEET C403.
  23. INSTALL ADA PARKING STALL PER DETAIL ON SHEET C403.
  24. INSTALL ADA PARKING SIGN PER DETAIL ON SHEET C403.
- MISCELLANEOUS CONSTRUCTION NOTES:**
30. PORTABLE LANDINGS, RAMPS, AND STAIRS PER ARCHITECTS PLANS.
  31. BRING SPRINKLER VALVE COVER TO FINISHED GRADE AND ADD A CONCRETE COLLAR PER DETAIL ON SHEET C402.
  32. CONSTRUCT V-DITCH PER DETAIL ON SHEET C402. SEE SHEET C201 AND C203 FOR GRADES.
  33. BRING SPRINKLER VALVE COVER TO FG.
  34. CONTRACTOR SHALL POTHOLE AND CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING INFRASTRUCTURE. IF CONFLICT EXISTS, CONTACT ENGINEER.

PARKING INFORMATION	
GROSS PARKING AREA	32,600 SF
STANDARD PARKING STALLS	57
ADA PARKING STALLS	2 (1 VAN, 1 STANDARD)
TOTAL PARKING STALLS	59

# = NUMBER OF PARKING STALLS

**KELSO SCHOOL DISTRICT NO. 458  
CATLIN ELEMENTARY SCHOOL PORTABLES**  
404 LONG AVENUE, KELSO, WA 98626

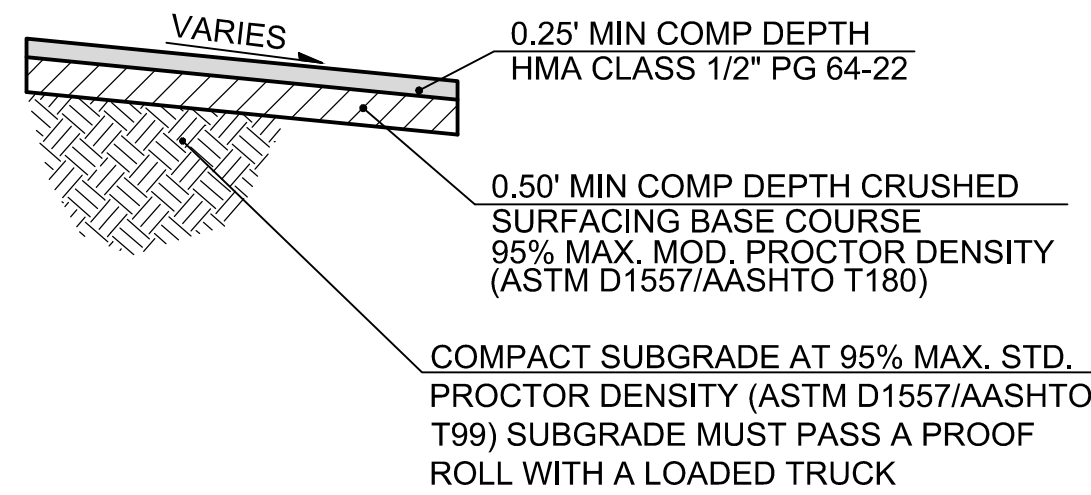
Date:	5/28/2021	
Job No.:	21938.000	
Drawn By:	PVR / ANW	
Checked by:	EAP	
Revisions		
#	Date	Description

STREET AND  
UTILITY PLAN

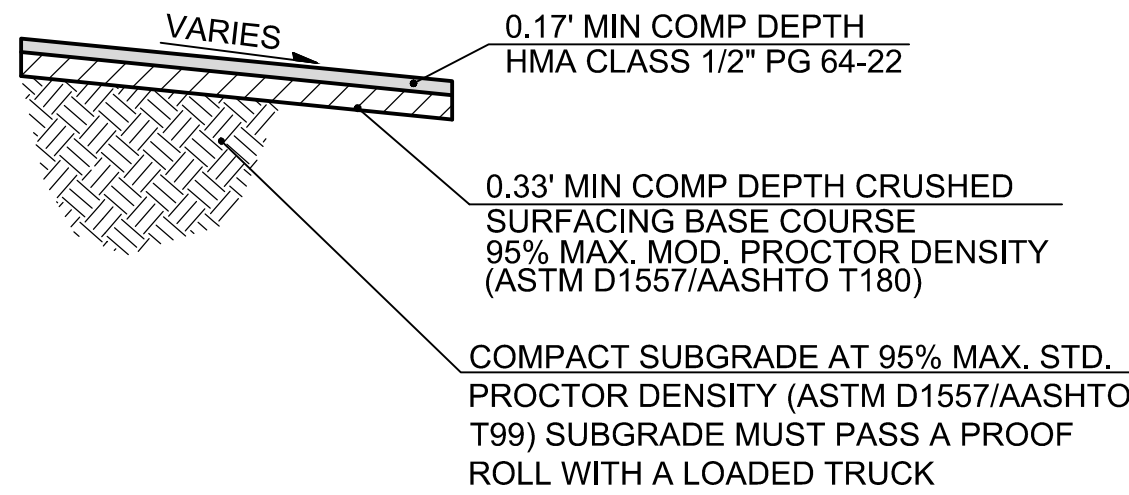
**C301**

**PRELIMINARY**  
SUBJECT TO AGENCY REVIEW  
NOT FOR CONSTRUCTION  
BID SET

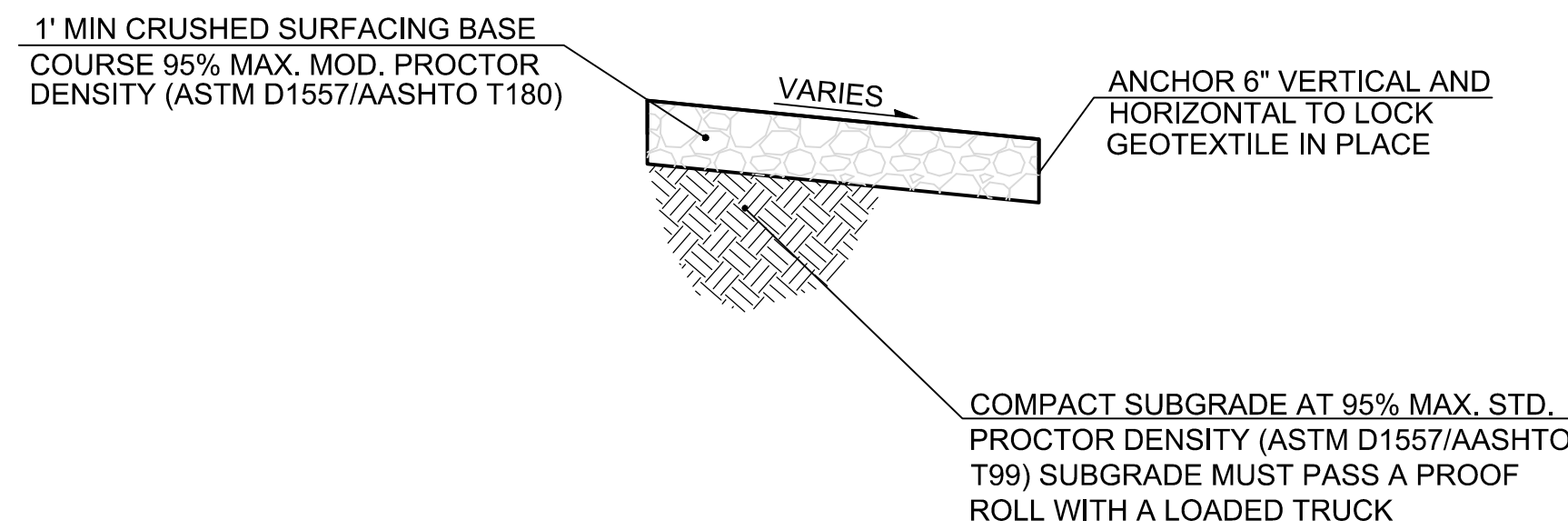




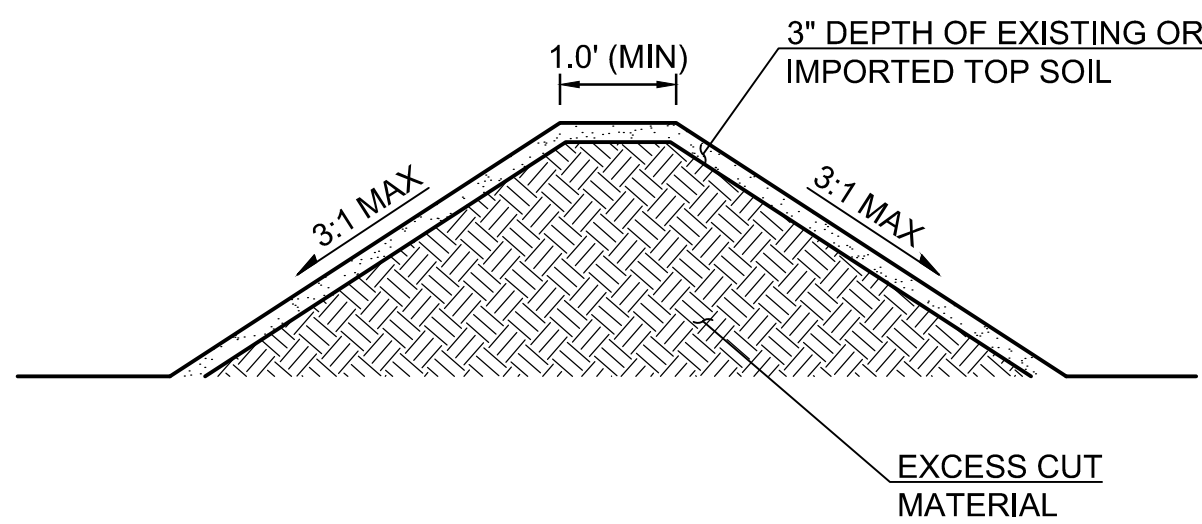
**Asphalt Paving  
Typical Section**  
NTS



**Pedestrian Asphalt Paving  
Typical Section**  
NTS

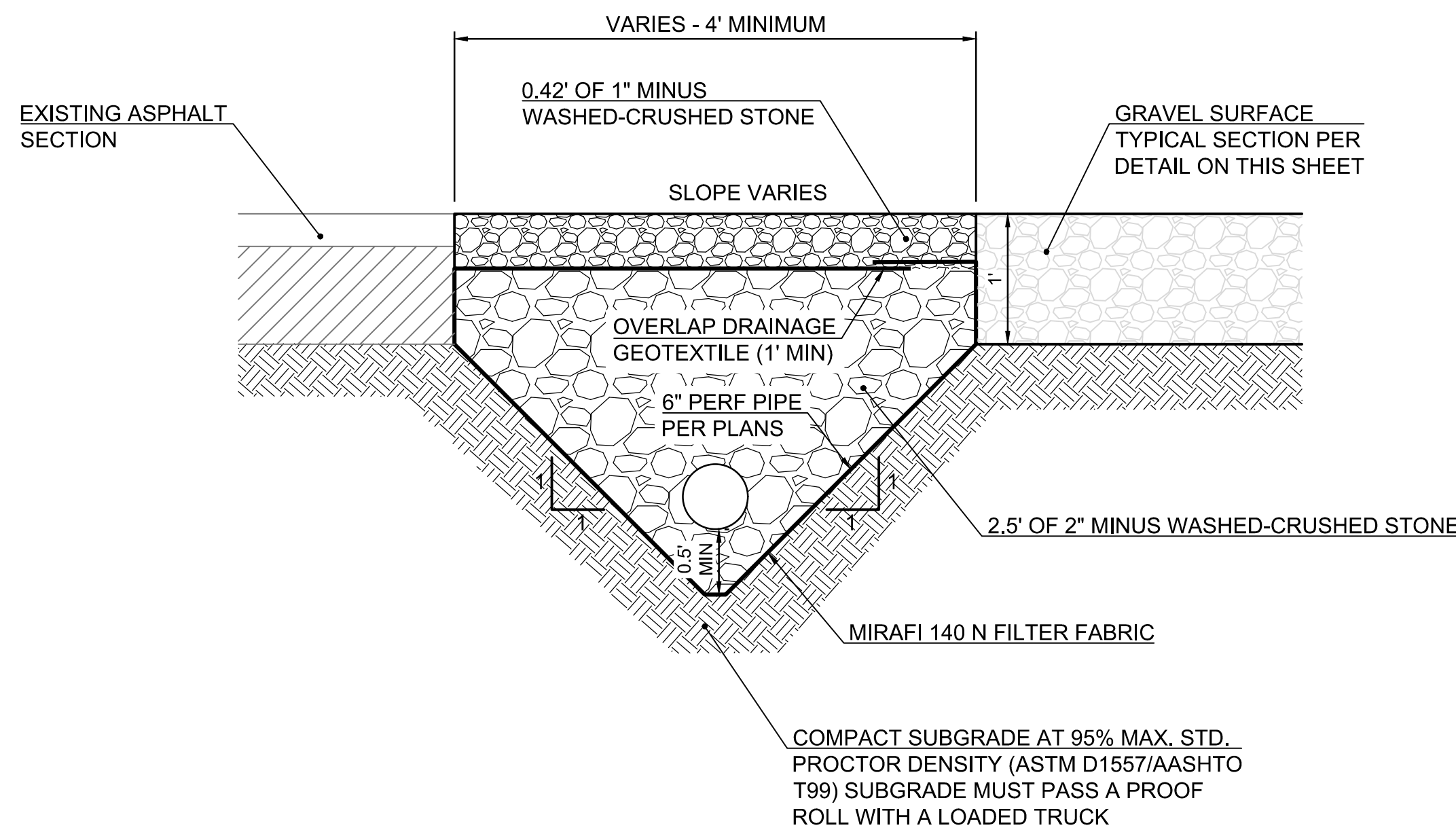


**Gravel Surface  
Typical Section**  
NTS



NOTE: TOPSOIL SHALL BE SANDY LOAM WITH 5% MINIMUM ORGANIC MATTER AND PH BETWEEN 6.0 AND 8.0. PRIOR TO PLACEMENT, CONTRACTOR SHALL PROVIDE A CERTIFIED SOIL TEST REPORT FOR ENGINEER'S APPROVAL.

**Berm  
Typical Section**  
NTS



**Trench Drain  
Typical Section**  
NTS

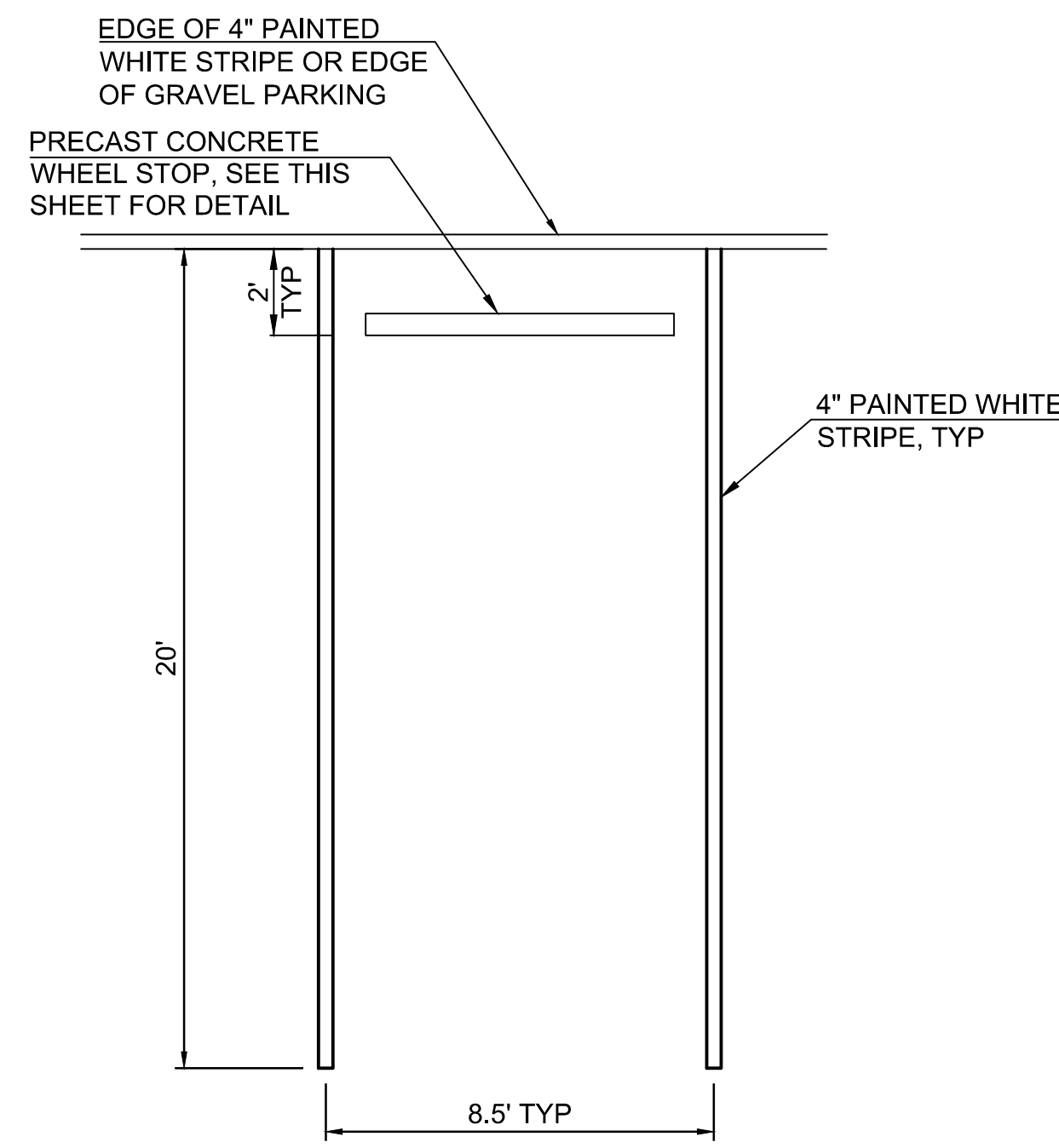


**KELSO SCHOOL DISTRICT NO. 458  
CATLIN ELEMENTARY SCHOOL PORTABLES  
404 LONG AVENUE, KELSO, WA 98626**

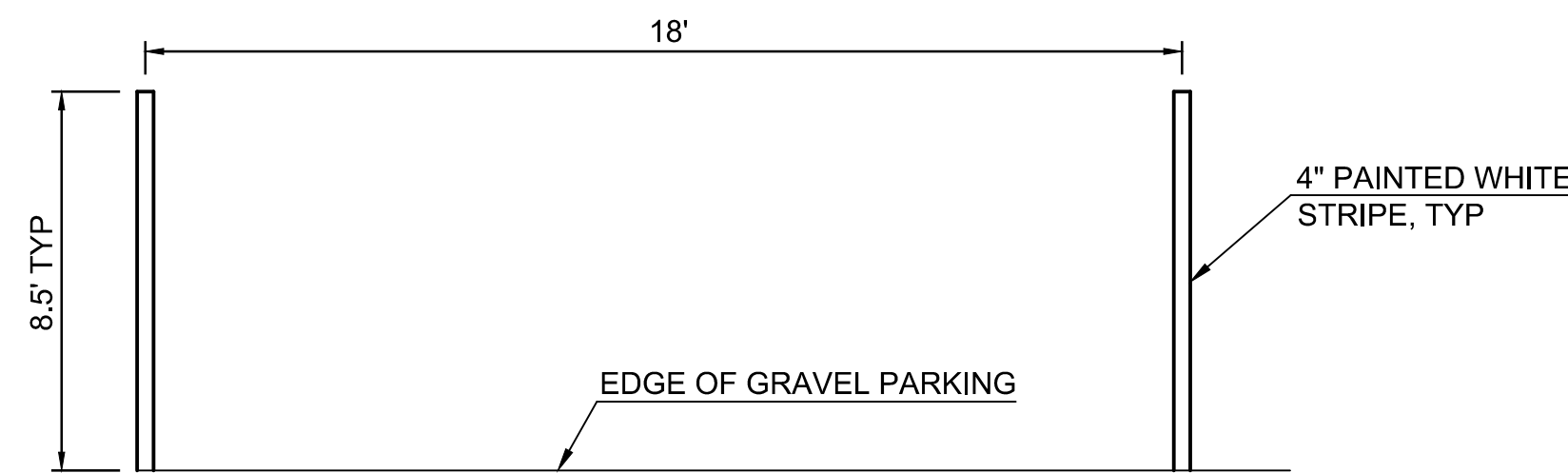
Date:	5/28/2021	
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#	Date	Description

TYPICAL  
SECTIONS

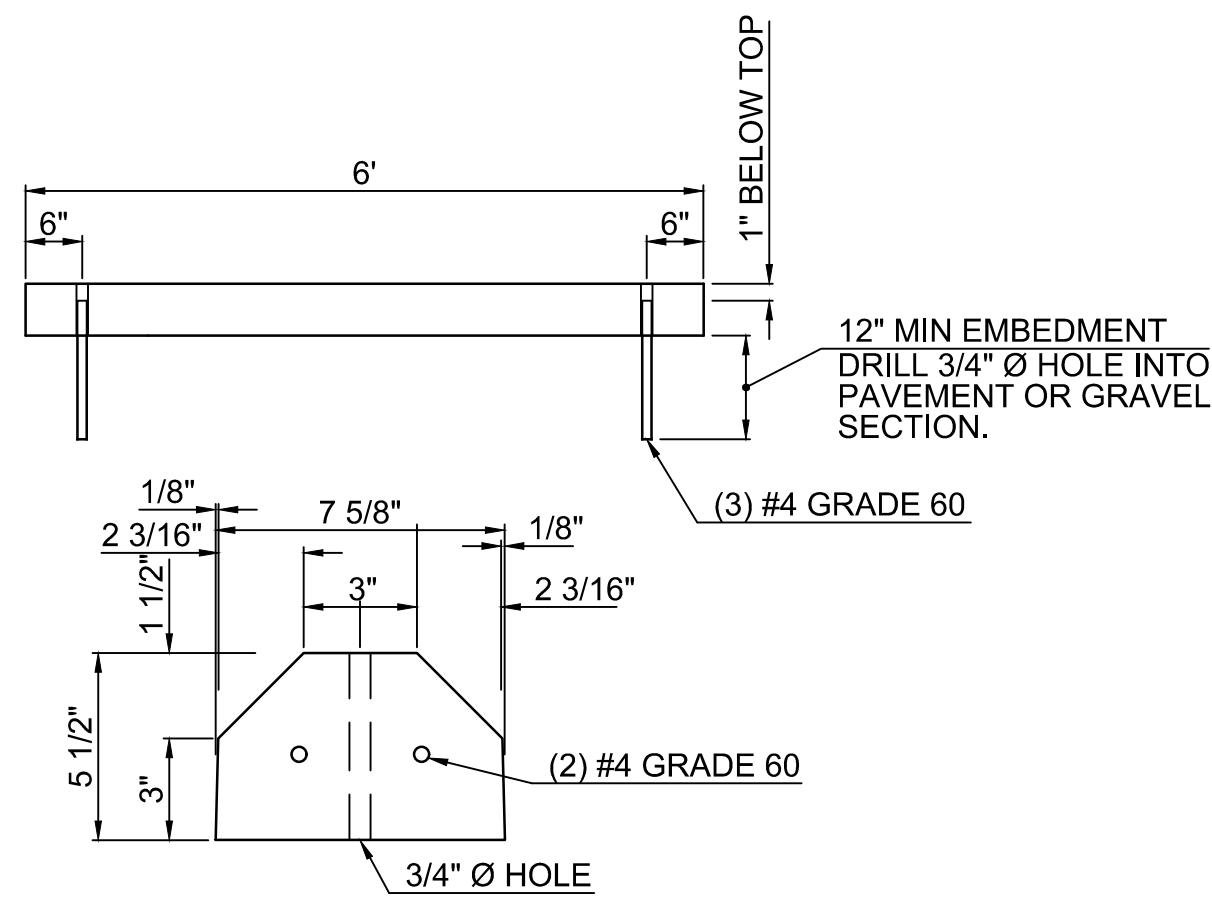
**C401**



**Standard Parking  
Stall Detail**  
NTS

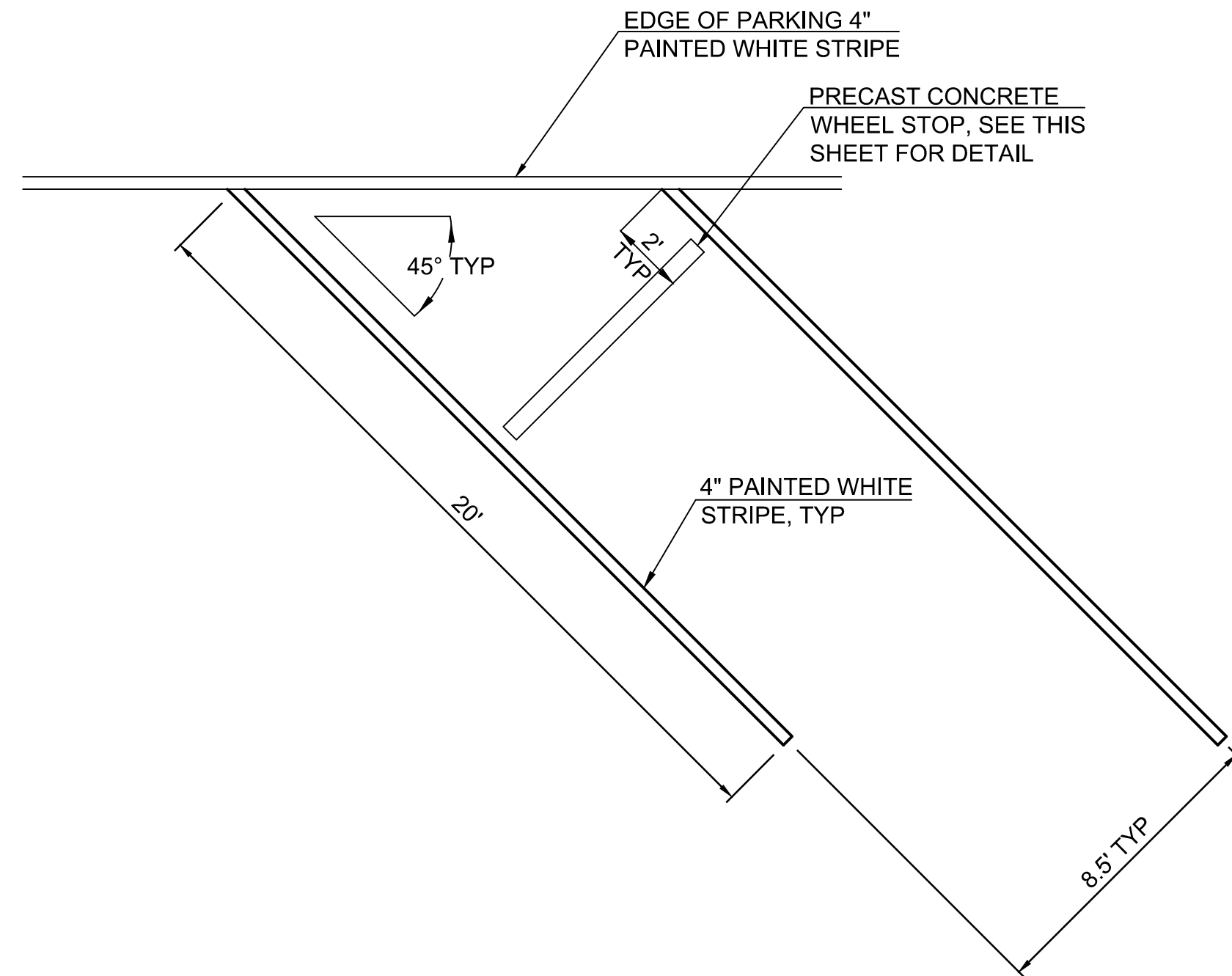


**Standard Parallel Parking  
Stall Detail**  
NTS

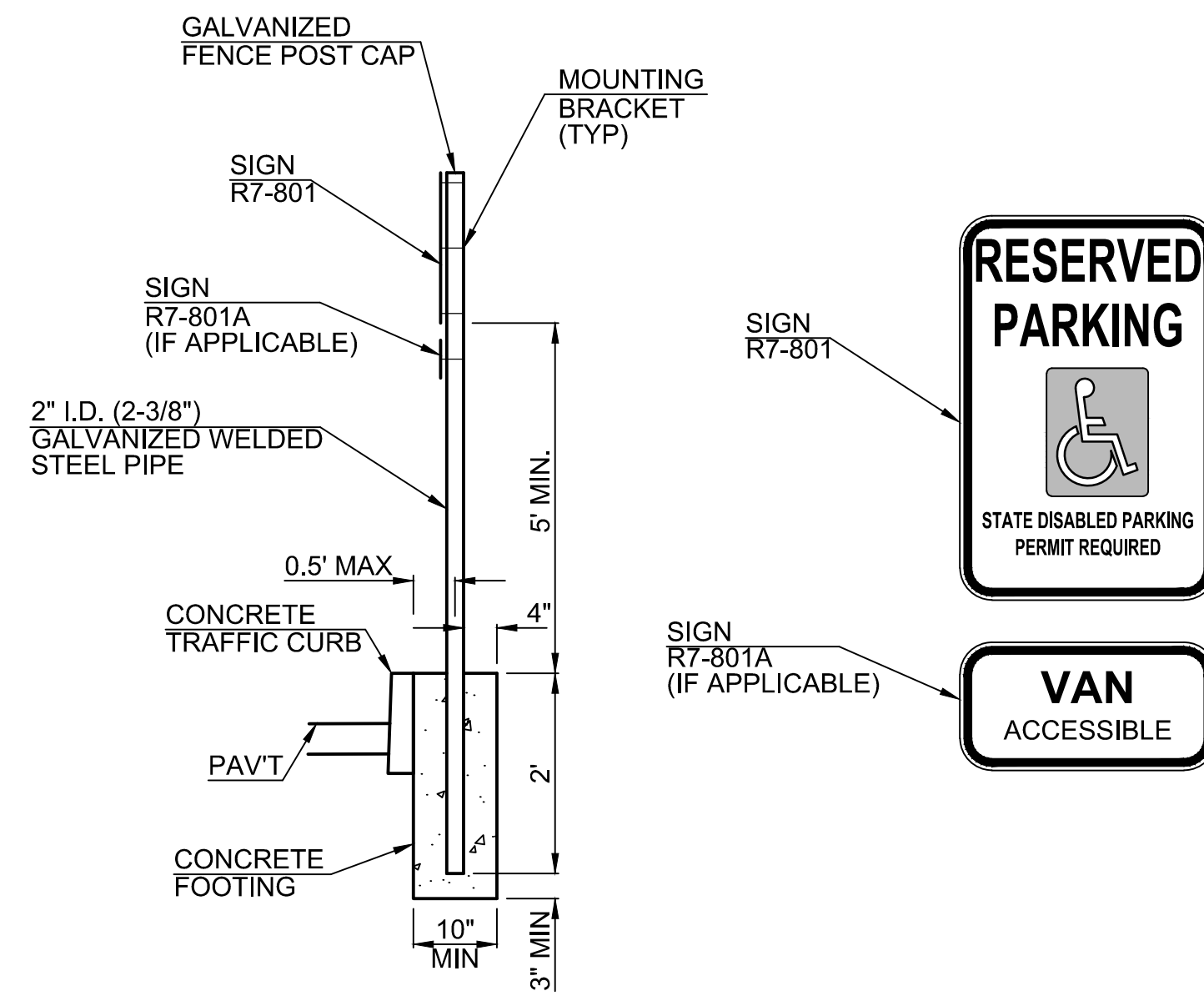


- NOTES:
1. WHEEL STOP SHALL BE PRECAST CONCRETE. INSTALL "6" WHEEL STOP" AS MANUFACTURED BY MICHAELS PRECAST CONCRETE, OR APPROVED EQUAL.
  2. INSTALL ON CENTER OF PARKING SPACE. SEE DETAIL ON THIS SHEET FOR ADDITIONAL PLACEMENT INFORMATION.
  3. PLUG TOPS.

**Precast Concrete Wheel Stop**  
NTS

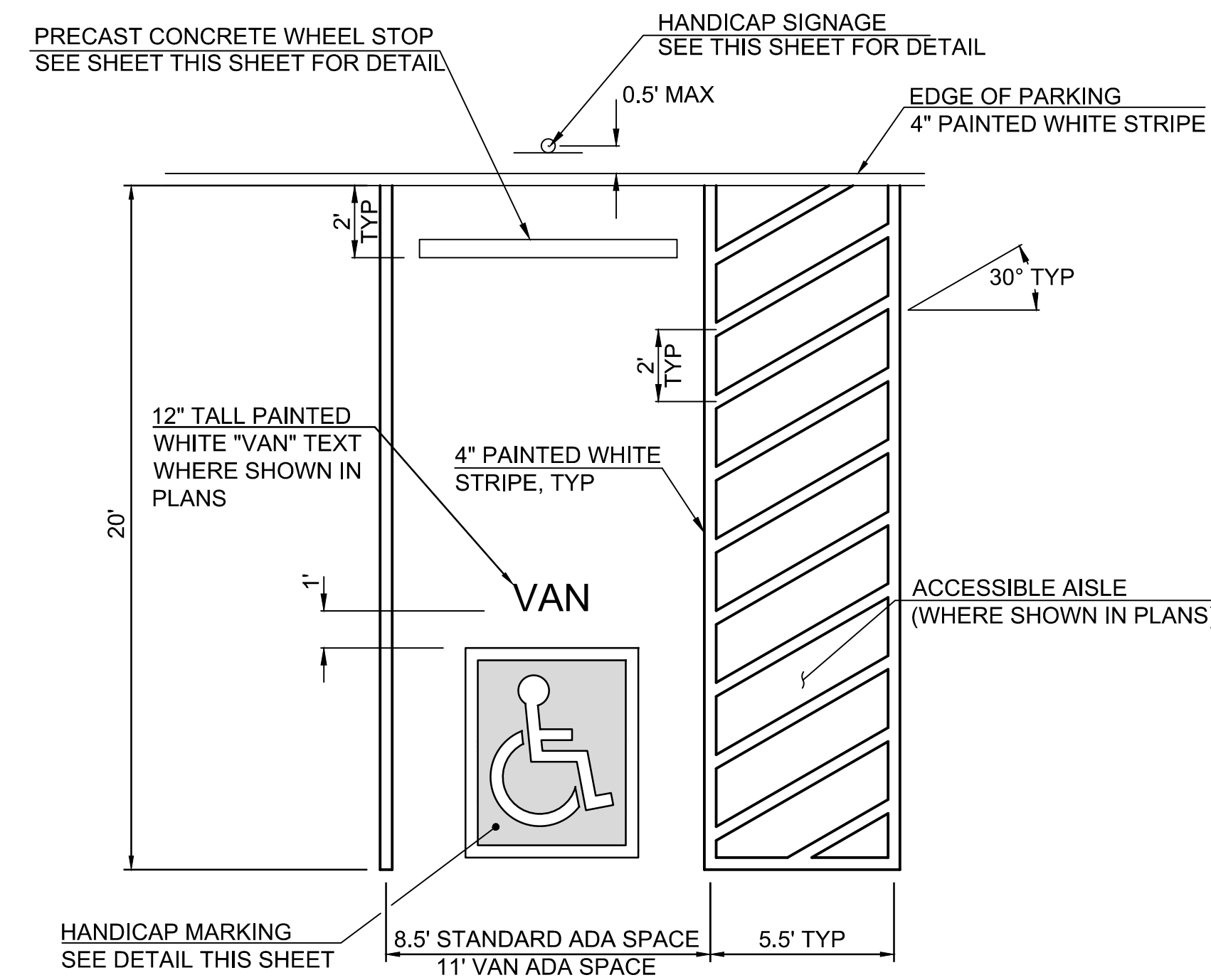


**Standard Angled Parking  
Stall Detail**  
NTS

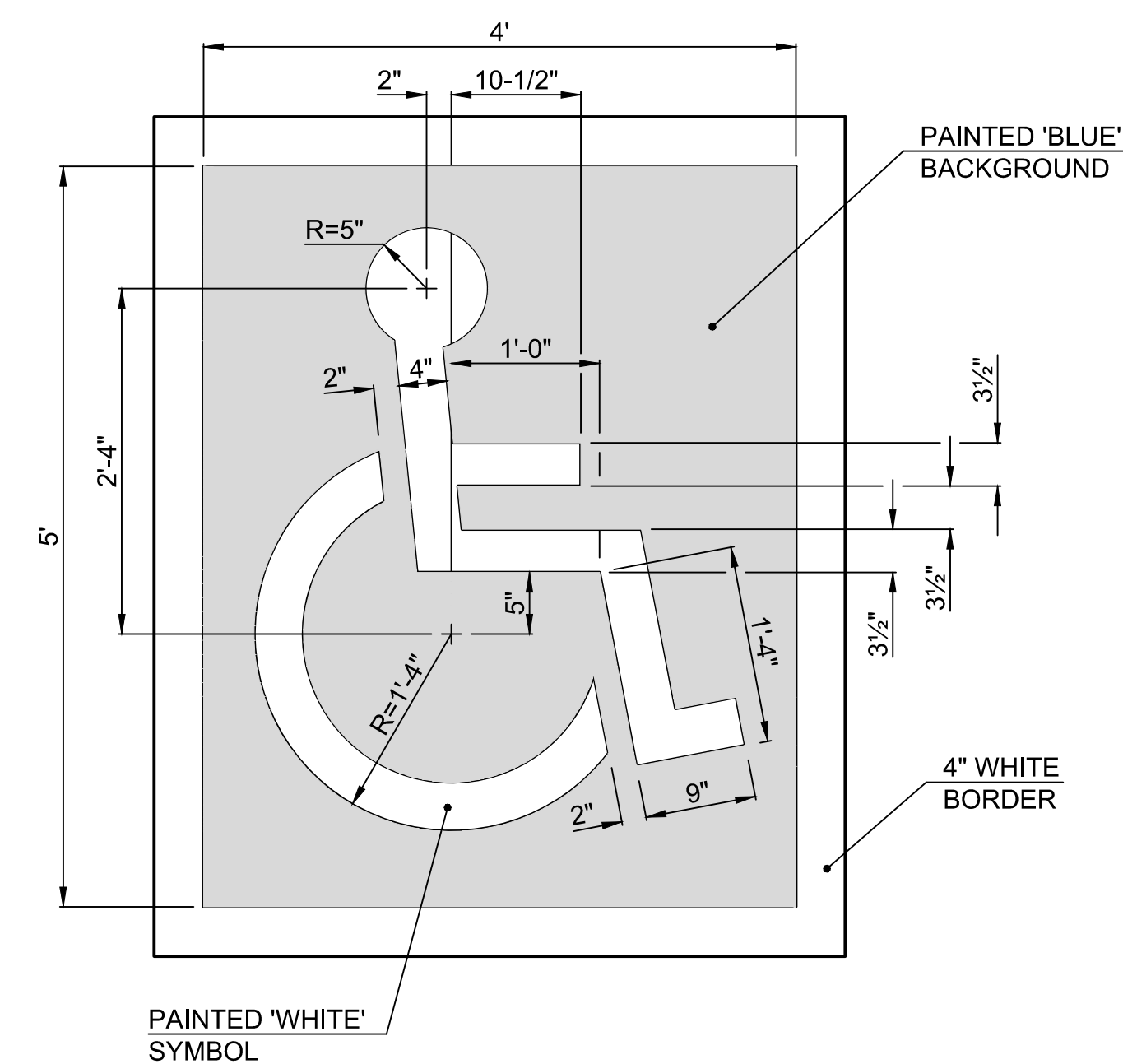


- NOTES:
1. SEE WSDOT SIGN FABRICATION MANUAL, DETAILS R7-801 AND R7-8081A.
  2. SIGNS FOR ACCESSIBLE PARKING SPACES SHALL BE 60" MINIMUM ABOVE THE FLOOR OF THE PARKING SPACE MEASURED TO THE BOTTOM OF THE SIGN (PER ANSI A117.1 SECTION 502.7).

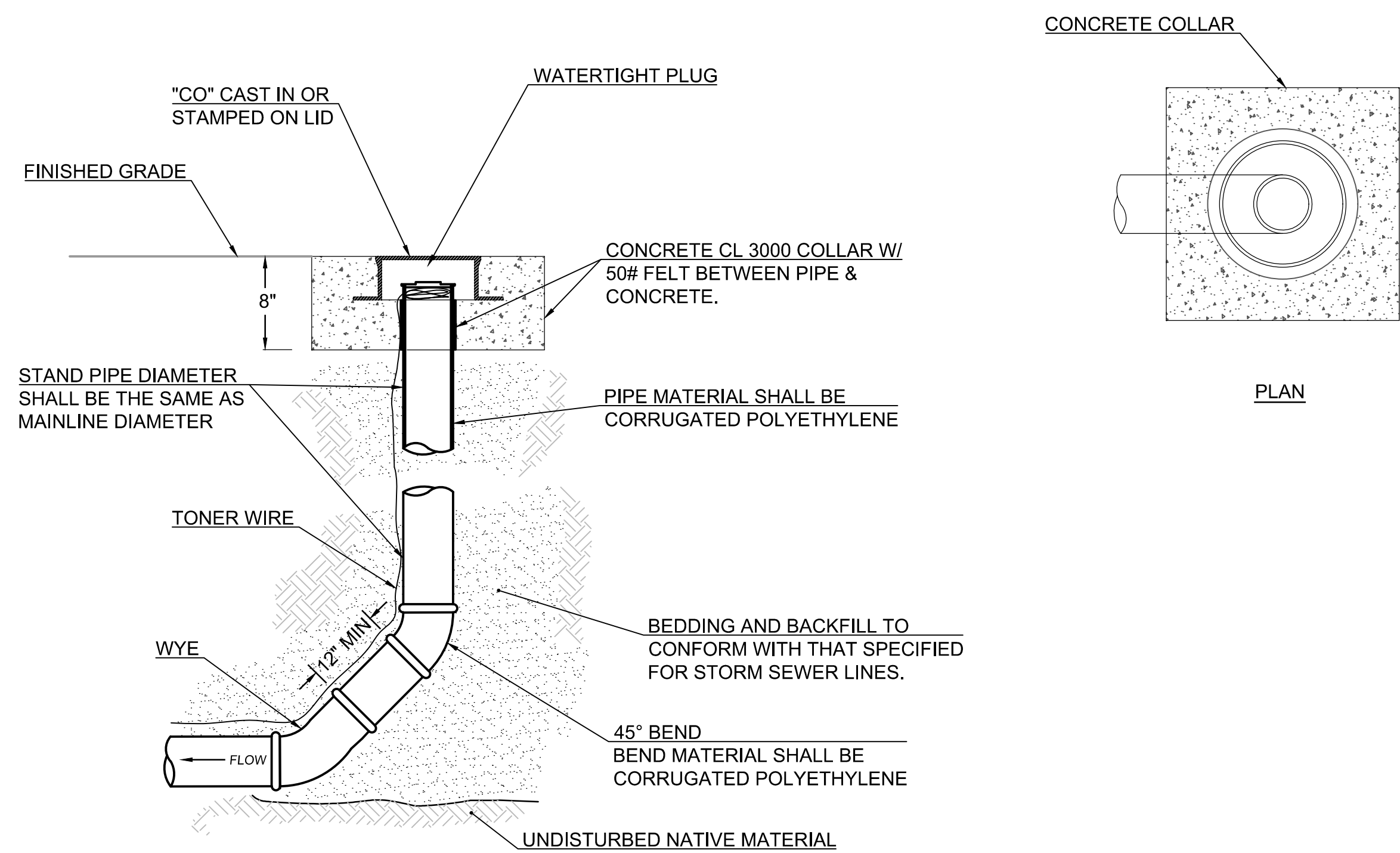
**Handicap Signage Detail**  
NTS



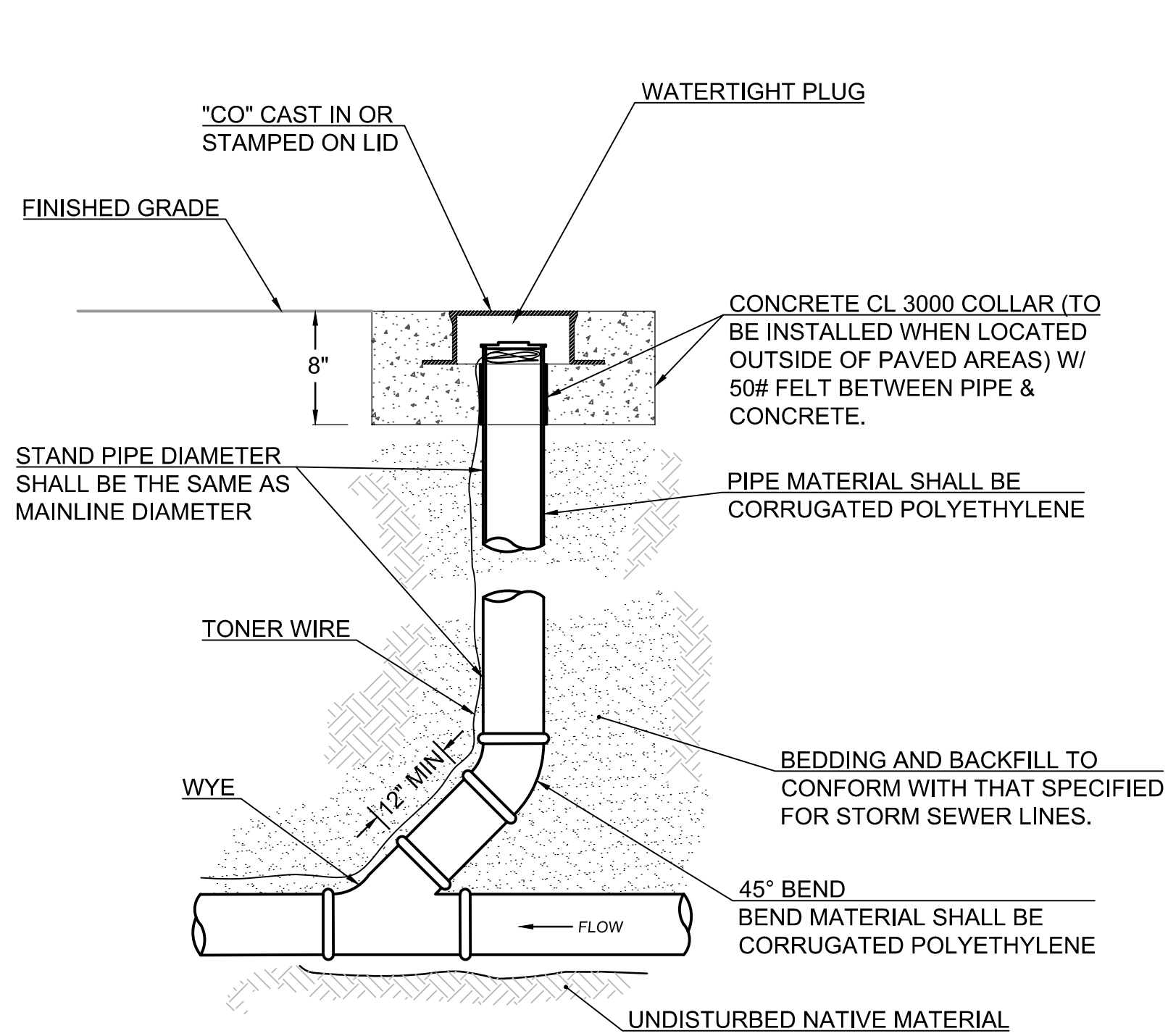
**ADA Parking  
Stall Detail**  
NTS



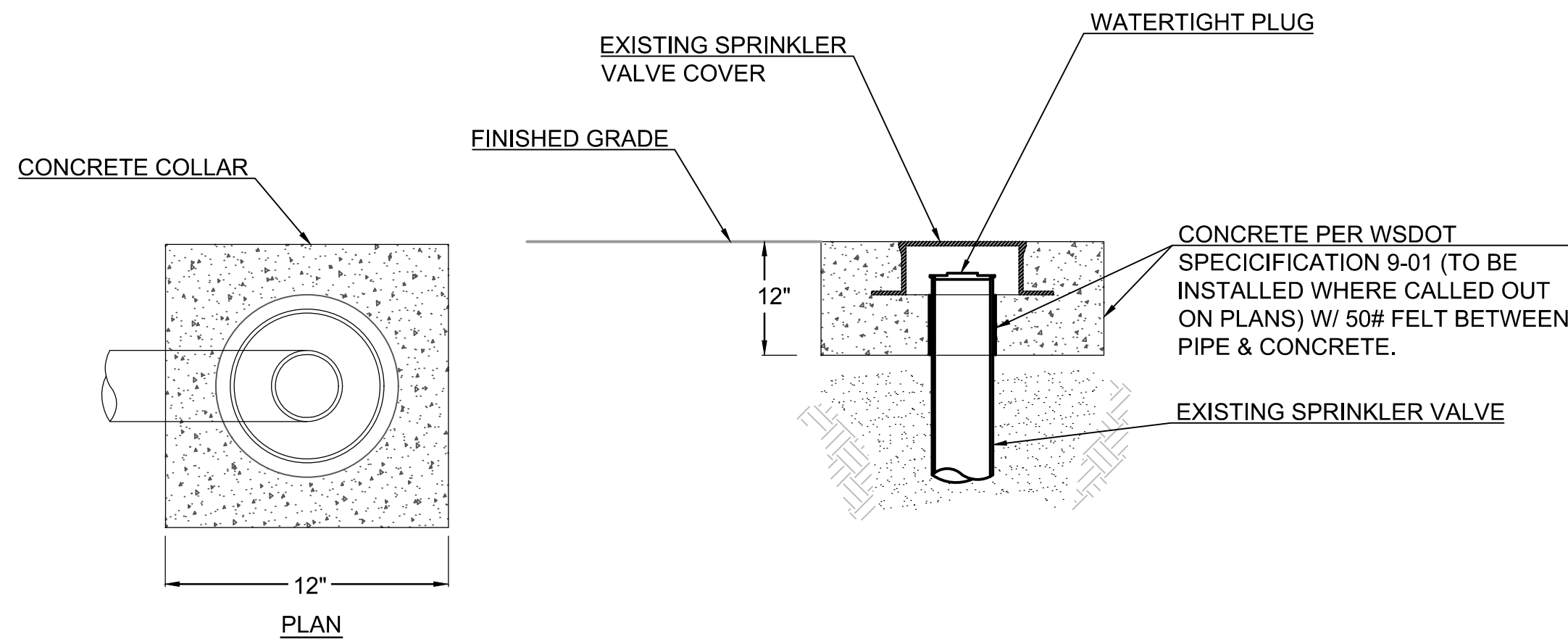
**Handicap Marking Detail**  
NTS



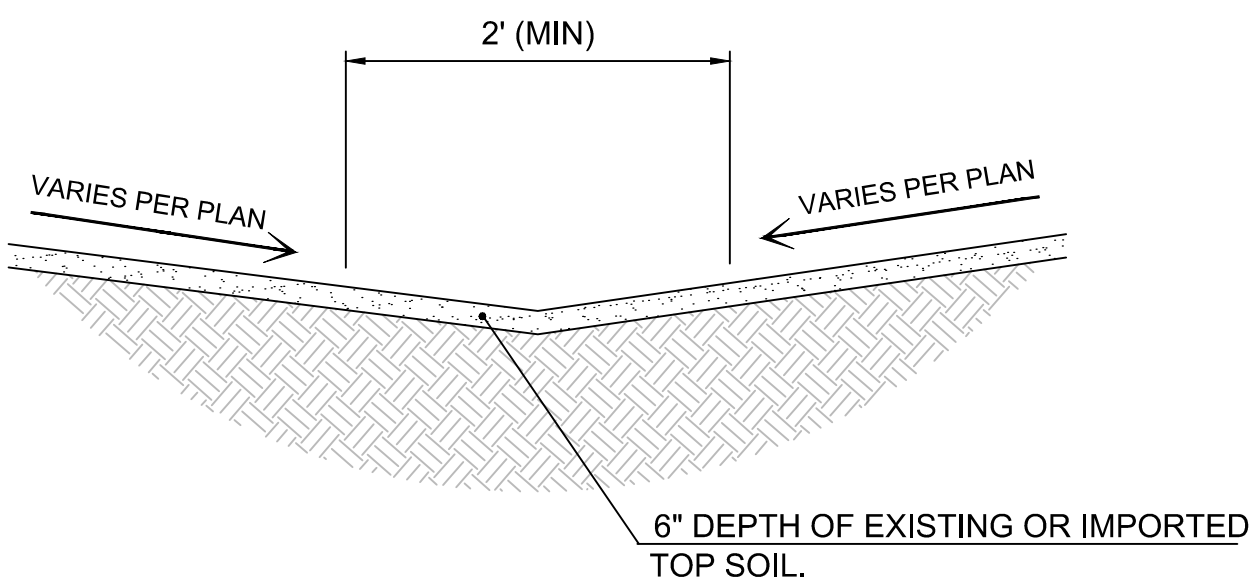
Storm Cleanout Detail  
NTS



Inline Storm Cleanout Detail  
NTS



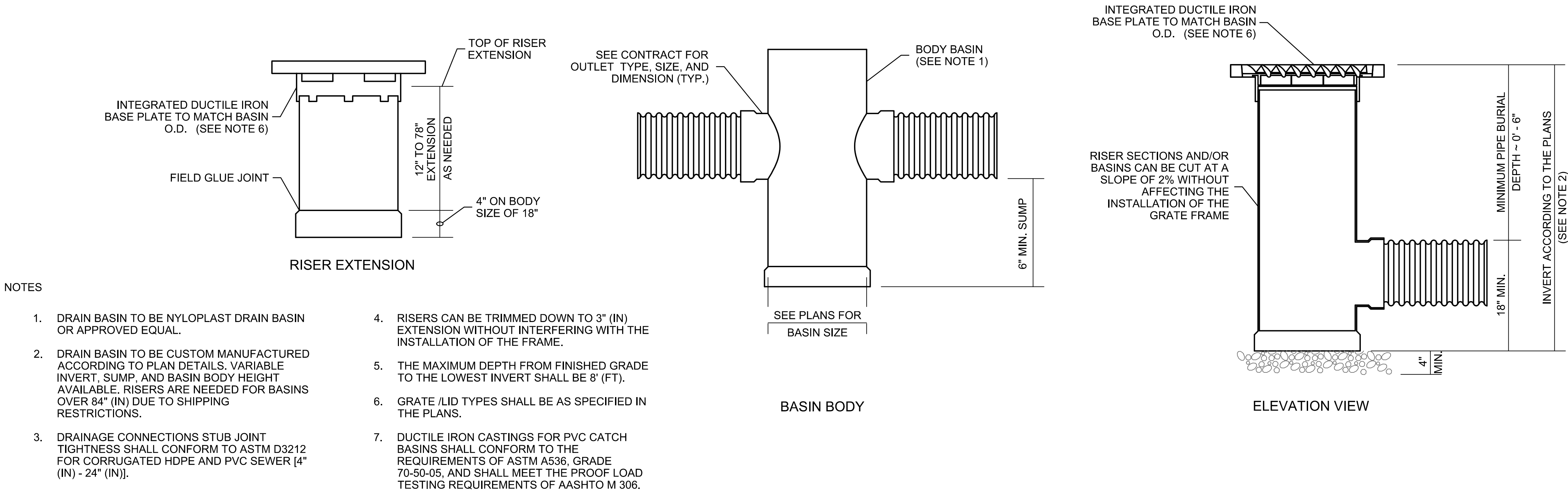
Sprinkler Valve Concrete Collar Detail  
NTS



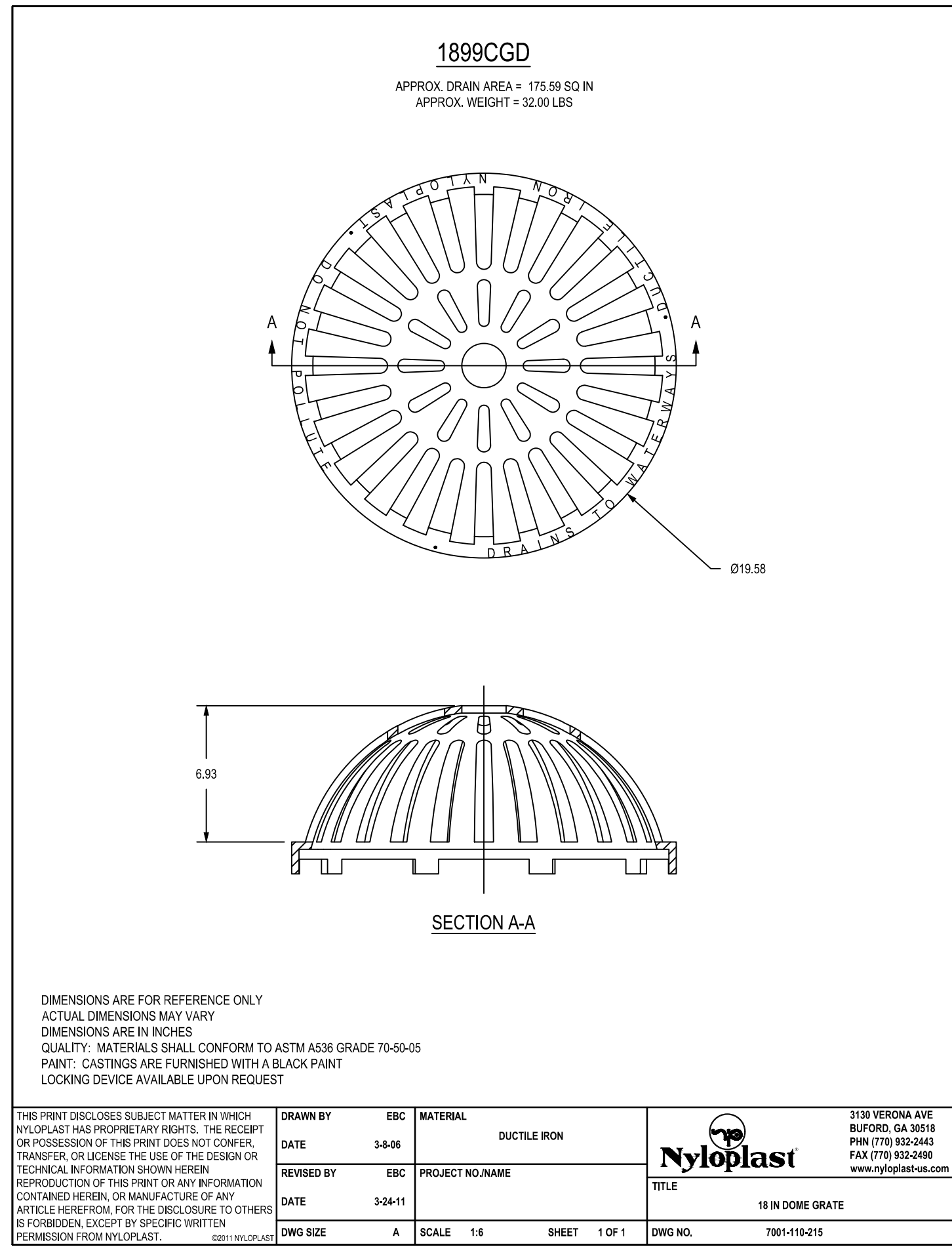
NOTE: TOPSOIL SHALL BE SANDY LOAM WITH 5% MINIMUM ORGANIC MATTER AND PH BETWEEN 6.0 AND 8.0. PRIOR TO PLACEMENT, CONTRACTOR SHALL PROVIDE A CERTIFIED SOIL TEST REPORT FOR ENGINEER'S APPROVAL.

V-Ditch Section  
NTS

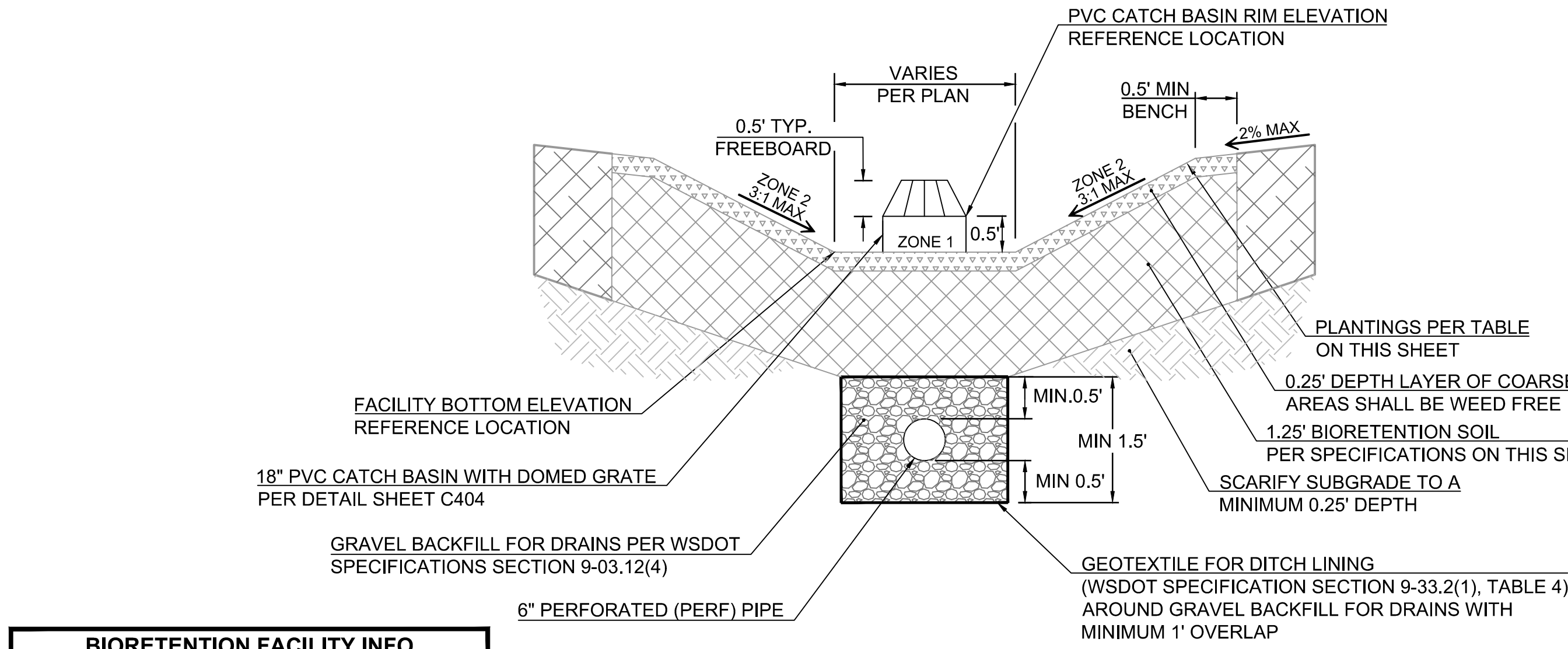




PVC Catch Basin Detail  
NTS



18" Dome Grate Detail  
NTS



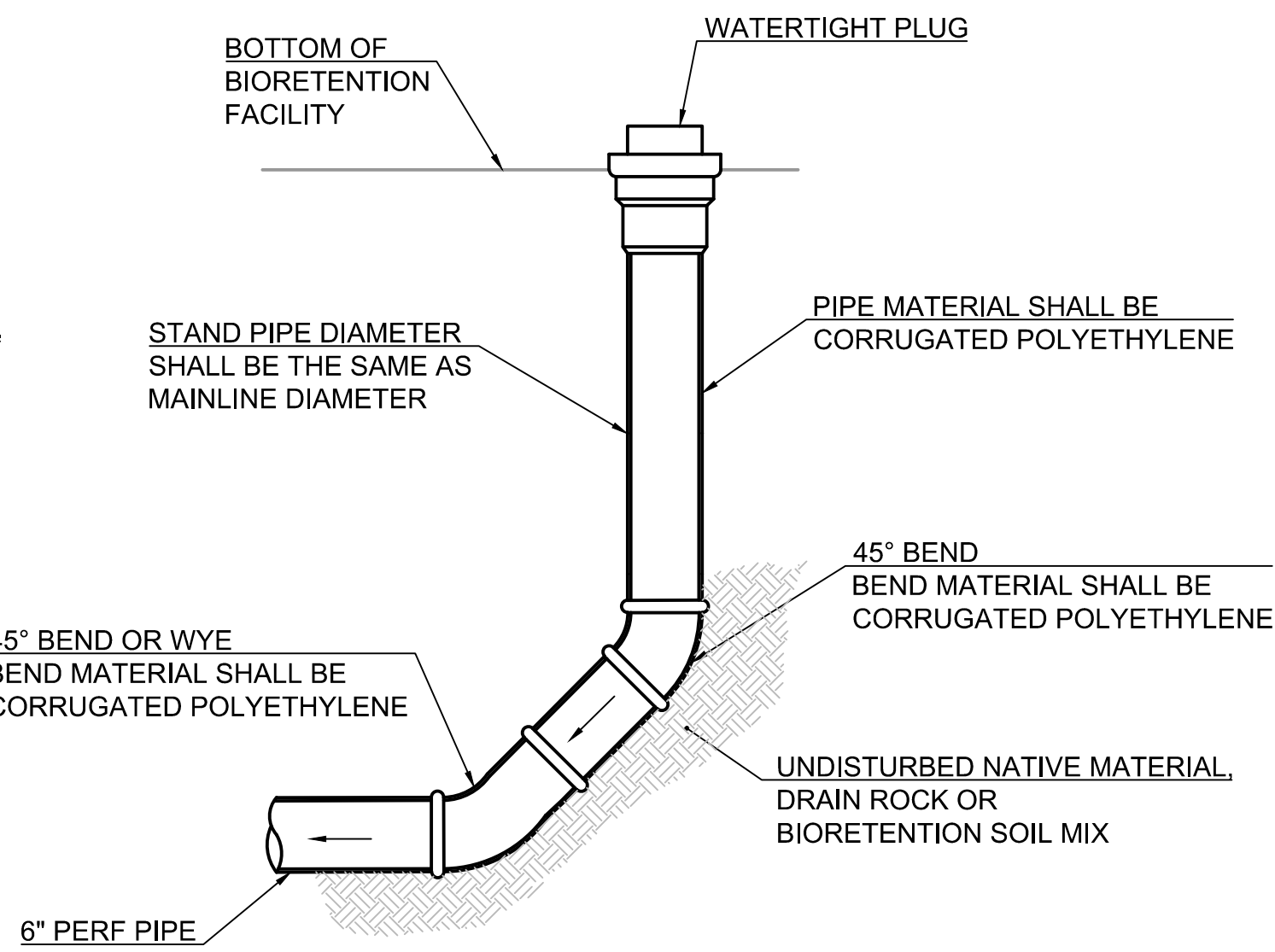
BIORETENTION FACILITY INFO			
AREA	BOTTOM DIMENSIONS	BOTTOM AREA	BOTTOM ELEVATION
1	8' W x 8' L	64 SF	24.10'
2	8' W x 8' L	64 SF	23.60'
3	5' W x 15' L	75 SF	24.00'
4	2' W x 30' L	60 SF	22.10'

- NOTE:
- SEE ADJACENT BIORETENTION FACILITY INFO TABLE FOR MINIMUM BOTTOM OF FACILITY DIMENSIONS, AREAS, AND ELEVATIONS.

## Bioretention Facility Detail

NTS

STORM FACILITY BIORETENTION PLANTING LIST						
QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	% OF MIX
BOTTOM (ZONE 1)						
115	<i>Carex stipata</i>	Sawbeak Sedge	1 gallon	Container	12" O.C. RANDOMLY MIXED	50%
115	<i>Juncus ensifolius</i>	Dagger-leaf Rush	1 gallon	Container	12" O.C. RANDOMLY MIXED	50%
SIDE SLOPES (ZONE 2)						
37	<i>Cornus sericea 'Kelsyil'</i>	Kelsey Red Osier Dogwood	1 gallon	Container	36" O.C.	100%



## Storm Cleanout (Bioretention) Detail

NTS

CONTRACTOR TO PROVIDE CERTIFIED SOIL TEST TO MEET THE BIORETENTION SOIL MEDIA REQUIREMENTS:

- 60% TOPSOIL AS DEFINED BY BMP T5.13 SHALL MEET THE FOLLOWING:
  - TOPSOIL SHALL HAVE A PARTICLE SIZE DISTRIBUTION OF LESS THAN 70% SAND, LESS THAN 20% CLAY, AND LESS THAN 50% SILT LESS AS DOCUMENTED WITH A PARTICLE SIZE ANALYSIS BY A LABORATORY ACCREDITED TO PERFORM AASHTO T 88 "PARTICLE SIZE ANALYSIS OF SOILS"
- ORGANIC MATTER CONTENT GREATER THAN 10% BUT LESS THAN 15% AS MEASURED ON A DRY WEIGHT BASIS AS DOCUMENTED BY A LABORATORY ACCREDITED TO PERFORM AASHTO T 267 "DETERMINATION OF ORGANIC CONTENT IN SOILS BY LOSS ON IGNITION."
- PH SHALL BE BETWEEN 5 AND 7 AS DOCUMENTED BY A LABORATORY ACCREDITED TO PERFORM AASHTO T289 "STANDARD METHOD OF TEST FOR DETERMINING PH OF SOIL."
- CATION EXCHANGE CAPACITY SHALL BE BETWEEN 5 AND 15 AS DOCUMENTED BY A LABORATORY ACCREDITED TO PERFORM ASTM D7503 "STANDARD TEST METHOD FOR MEASURING THE EXCHANGE CAPACITY OF INORGANIC FINE-GRAINED SOILS"
- TOPSOIL SHALL NOT BE PRODUCED FROM ANY MAPPED HYDRIC SOIL UNIT LISTED IN THE NATIONAL HYDRIC SOIL LIST PUBLISHED BY THE NATIONAL RESOURCE CONSERVATION SERVICE, 2014 AND AS UPDATED

- 40% COARSE COMPOST MEETING THE FOLLOWING:
  - COMPOST MATERIAL SHALL BE TESTED IN ACCORDANCE WITH U.S. COMPOSTING COUNCIL TESTING METHODS FOR THE EXAMINATION OF COMPOST AND COMPOSTING (TMECC) 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION".

- COARSE COMPOST SHALL MEET THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING	
	MINIMUM	MAXIMUM
2"	100	
1"	90	100
3/4"	70	100
1/2"	40	60

NOTE: MAXIMUM PARTICLE LENGTH OF 6 INCHES. COARSE COMPOST SHALL HAVE A CARBON TO NITROGEN RATIO (C:N) BETWEEN 25:1 AND 35:1. THE CARBON TO NITROGEN RATIO SHALL BE CALCULATED USING THE DRY WEIGHT OF "ORGANIC CARBON" USING TMECC 04.01A DIVIDED BY THE DRY WEIGHT OF "TOTAL N" USING TMECC 04.02D.

- THE PH SHALL BE BETWEEN 6.0 AND 8.5 WHEN TESTED IN ACCORDANCE WITH U.S. COMPOSTING COUNCIL TMECC 04.11-A, "1:5 SLURRY PH".
- PHYSICAL CONTAMINANTS, DEFINED IN WAC 173-350 (PLASTIC, CONCRETE, CERAMICS, METAL, ETC.) SHALL BE LESS THAN 0.5 PERCENT BY WEIGHT AS DETERMINED BY U.S. COMPOSTING COUNCIL TMECC 03.08-A "CLASSIFICATION OF INERTS BY SIEVE SIZE".
- MINIMUM ORGANIC MATTER SHALL BE 40 PERCENT BY DRY WEIGHT BASIS AS DETERMINED BY U.S. COMPOSTING COUNCIL TMECC 05.07A "LOSS-ON-IGNITION ORGANIC MATTER METHOD (LOI)".
- SOLUBLE SALT CONTENTS SHALL BE LESS THAN 4.0 MMHOS/CM WHEN TESTED IN ACCORDANCE WITH U.S. COMPOSTING COUNCIL TMECC 04.10 "ELECTRICAL CONDUCTIVITY".
- MATURITY SHALL BE GREATER THAN 80 PERCENT IN ACCORDANCE WITH U.S. COMPOSTING COUNCIL TMECC 05.05-A, "GERMINATION AND ROOT ELONGATION".
- STABILITY SHALL BE 7-MG CO2-C/G OM/DAY OR BELOW IN ACCORDANCE WITH U.S. COMPOSTING COUNCIL TMECC 05.08-B "CARBON DIOXIDE EVOLUTION RATE".
- THE COMPOST PRODUCT SHALL ORIGINATE FROM ORGANIC FEEDSTOCKS AS DEFINED IN WAC 173-350 AS "WOOD WASTE", "YARD DEBRIS", "POST-CONSUMER FOOD WASTE", "PRECONSUMER ANIMAL-BASED WASTES", AND/OR "PRECONSUMER VEGETATIVE WASTE". THE CONTRACTOR SHALL PROVIDE A LIST OF FEEDSTOCK SOURCES BY PERCENTAGE IN THE FINAL COMPOST PRODUCT.

# KELSO SCHOOL DISTRICT NO. 458 CATLIN ELEMENTARY SCHOOL PORTABLES

404 LONG AVENUE, KELSO, WA 98626

Date:	5/28/2021
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MISCELLANEOUS  
UTILITY DETAILS

C405

PRELIMINARY  
SUBJECT TO AGENCY REVIEW  
NOT FOR CONSTRUCTION  
BID SET

404 LONG AVENUE. KELSO. WA 98626

Revisions		
#	Date	Description

**C406**

**BID SET**

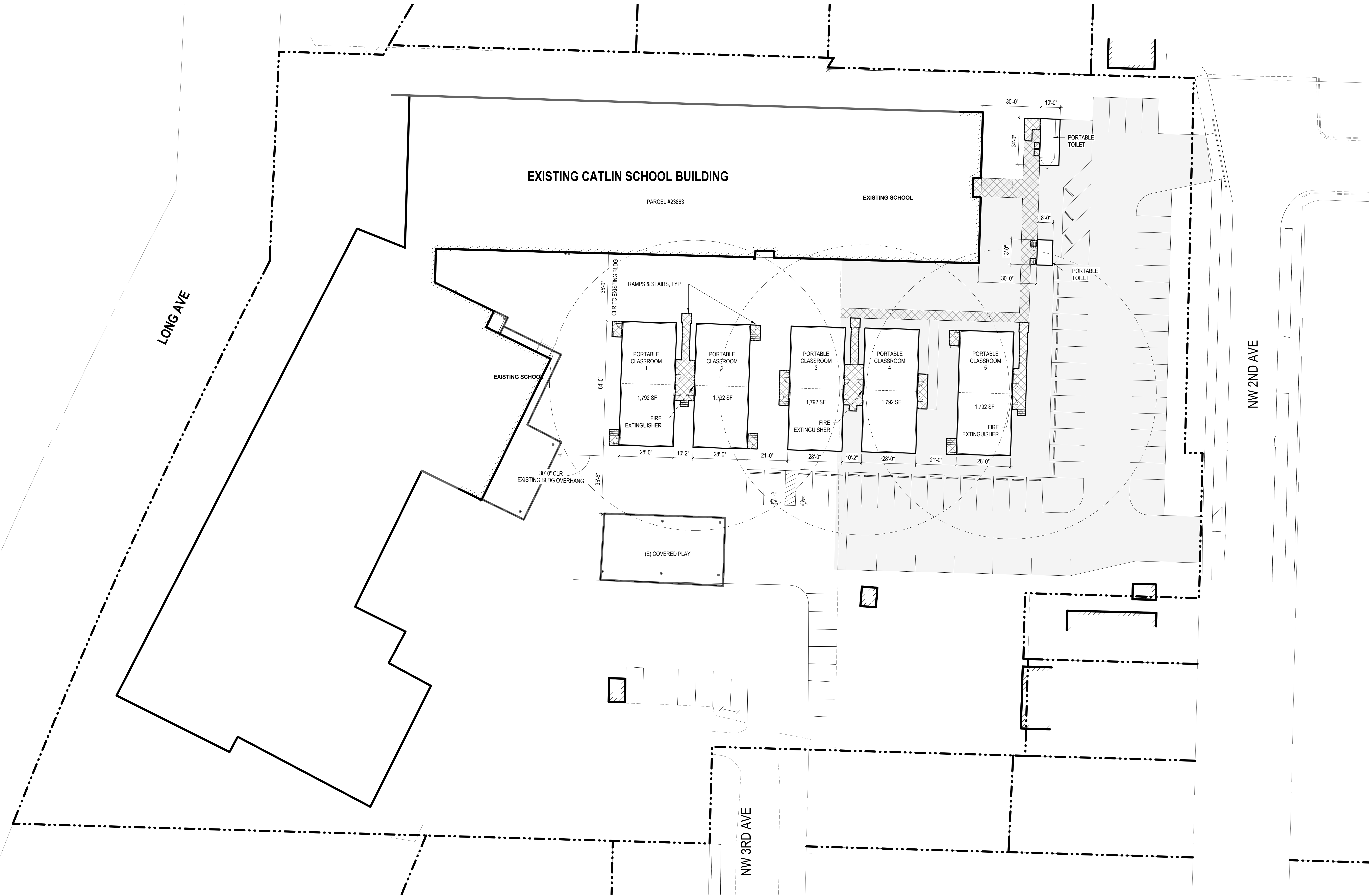


ARCH GENERAL PLAN NOTES

- 1. PORTABLE CLASSROOMS BUILDINGS ARE PLANNED FOR FUTURE TEMP HOUSING OF HUNTINGTON MIDDLE SCHOOL.
- 2. UTILITY CONNECTIONS (ELECTRICAL) TO BE DONE UNDER SEPARATE PERMIT AT LATER DATE.
- 3. FIRE EXTINGUISHERS RATED AT A MIN OF 2A 10BC
- 4. EXTERIOR LIGHTING WITH DAYLIGHTING SENSOR AND EMERGENCY BATTERY BACKUP LOCATED AT EACH DOOR OF PORTABLE CLASSROOMS



VICINITY MAP



Date:	5/21/2021
Job No.:	21938.01
Drawn By:	SS
Checked by:	
Revisions	
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