

ST. ANDREW CATHOLIC CHURCH PARISH HALL

CIVIL SITE PLAN

NW 1/4, SW 1/4, & SW 1/4, NW 1/4 SECTION 19, TOWNSHIP 20 NORTH, RANGE 5 EAST, W.M.
CITY OF SUMNER, PIERCE COUNTY, WASHINGTON

LEGEND

	= FND BRASS DISK MONUMENT		= EXIST EDGE OF ASPHALT PAVEMENT
	= T.B.M. TOP OF R.R. SPIKE		= EXIST EDGE OF CONCRETE PAVEMENT
	= FND CAPPED REBAR		= EXIST EDGE OF GRAVEL SURFACING
	= FND NAIL AT PARCEL CORNER		= EXIST FIBER OPTIC LINE
	= SET CAPPED REBAR, MAN 2017 (PLS #9361)		= EXIST OVERHEAD POWER
	= EXIST SD CATCH BASIN (TYPE 1)		= EXIST UNDERGROUND POWER
	= EXIST SD CATCH BASIN (TYPE 2)		= EXIST UNDERGROUND PHONE
	= EXIST SD AREA DRAIN		= EXIST OVERHEAD UTILITES (UNKNOWN)
	= EXIST SD CLEANOUT		= EXIST UNDERGROUND TV CABLE
	= EXIST SD CONTROL STRUCTURE		= EXIST GAS MAIN
	= PROPOSED NYLOPLAST STORM DRAIN OVERFLOW		= EXIST WATER LINE
	= PROPOSED STORM DRAIN CLEANOUT		= EXIST SANITARY SEWER LINE
	= PROPOSED STORM DRAIN CATCH BASIN (TYPE 1)		= EXIST STORM DRAIN LINE
	= PROPOSED STORM DRAIN CATCH BASIN (TYPE 2)		= EXIST CHAIN LINK FENCE
	= EXIST SANITARY SEWER MANHOLE		= PROPOSED CHAIN LINK FENCE
	= EXIST SANITARY SEWER CLEANOUT		= EXIST CONTOUR (INDEX)
	= EXIST SANITARY SEWER SERVICE		= EXIST CONTOUR (NORMAL)
	= PROPOSED SANITARY SEWER SERVICE		= EXIST TOP OF BANK
	= PROPOSED SEWER CLEANOUT		= EXIST TOE OF BANK
	= PROPOSED SEWER MANHOLE		= EXIST SWALE
	= EXIST FIRE STAND PIPE		= EXIST EASEMENT LINE
	= EXIST WATER BLOW-OFF VALVE		= PROPOSED EASEMENT LINE
	= EXIST WATER METER BOX		= PROPOSED SAN. SEWER LINE
	= EXIST WATER VALVE		= PROPOSED STORM DRAIN LINE
	= EXIST FIRE HYDRANT		= PROPOSED PERF STORM DRAIN
	= PROPOSED FIRE HYDRANT		= PROPOSED GRASS LINED SWALE
	= PROPOSED FIRE DEPT. CONNECTION		= PROPOSED ROOF DRAIN LINE
	= PROPOSED POST INDICATOR VALVE		= PROPOSED GAS SERVICE LINE
	= PROPOSED FITTINGS		= PROPOSED WATER LINE
	= PROPOSED WATER VALVE		= PROPOSED IRRIGATION MAIN LINE
	= PROPOSED BACKFLOW PREVENTION		= EXIST LIGHT POLE
	= PROPOSED WATER METER		= PROP LIGHT POLE LUMINAIRE W/1 LIGHT
	= EXIST POWER METER/STRUCTURE		= PROP LIGHT POLE W/SECURITY CAMERA
	= EXIST POWER VAULT		= EXIST SIGN
	= PROPOSED POWER VAULT		= PROPOSED SIGN
	= PROPOSED BOLLARD W/LED		= EXIST METAL PROTECTION BOLLARD
	= EXIST POWER/AND OR UTILITY POLE		= PROPOSED METAL PROTECTION BOLLARD
	= EXIST GUY WIRE		= PROPOSED ADA PARKING STALL
	= EXIST STREET LIGHT POLE		
	= EXIST ELECTRICAL J-BOX		
	= EXIST TELEPHONE PEDESTAL		
	= EXIST GAS VALVE		
	= EXIST GAS METER		
	= PROPOSED GAS METER		
	= PROPOSED ASPHALT PAVEMENT		
	= PROPOSED CONCRETE PAVEMENT		
	= PROPOSED CONCRETE SIDEWALK		
	= PROPOSED GRAVEL SURFACING		
	= IRRIGATION CONTROL VALVE BOX		

CITY OF SUMNER GENERAL NOTES

- CITY OF SUMNER GENERAL NOTES:**
- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE MOST RECENT WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AND THE CITY OF SUMNER DEVELOPMENT SPECIFICATIONS. IN CASE OF CONFLICT, THE CITY DEVELOPMENT SPECIFICATIONS AND STANDARD DETAILS TAKE PRECEDENCE.
 - PRIOR TO ANY WORK COMMENCING, THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION MEETING TO BE ATTENDED BY ALL MAJOR CONTRACTORS, REPRESENTATIVES OF INVOLVED UTILITIES, AND THE CITY OF SUMNER. CALL (253) 299-5700 TO SCHEDULE A MEETING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.
 - SITE OWNER IS TO OBTAIN ALL PERMITS REQUIRED FROM THE STATE TO INCLUDE BUT NOT TO BE LIMITED TO THE NPDES STORMWATER GENERAL PERMIT.
 - THE CONTRACTOR SHALL NOTIFY THE COUNTY AND/OR STATE, AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS IF CONSTRUCTION IS TO TAKE PLACE IN COUNTY AND/OR STATE RIGHT-OF-WAY.
 - ALL WORK WITHIN THE CITY RIGHT-OF-WAY SHALL BE CONDUCTED BY A LICENSED, BONDED, AND INSURED CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A STREET OBSTRUCTION NOTIFICATION FORM, INCLUDING A TRAFFIC CONTROL PLAN IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND WSDOT SPECIFICATION SECTION 1-10, TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL. A MINIMUM OF TWO (2) FULL WORKING DAYS PRIOR TO STREET OBSTRUCTION. NOTE THAT THE DAY THE STREET OBSTRUCTION NOTIFICATION FORM IS SUBMITTED TO THE CITY SHALL NOT COUNT AS ONE OF THE TWO DAYS. A NEW FORM WILL BE REQUIRED IF THE TIME, DATE, OR LOCATION OF THE PROPOSED OBSTRUCTION CHANGES FROM THAT REPORTED ON THE ORIGINAL FORM. CERTIFIED COPIES OF THE CONTRACTOR'S BUSINESS LICENSE AND INSURANCE POLICY SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT BEFORE PERMIT ISSUANCE.
 - ANY STRUCTURE AND/OR OBSTRUCTION THAT NEED TO BE REMOVED OR RELOCATED AS A RESULT OF THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
 - ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN APPROVED BY THE SUMNER COMMUNITY DEVELOPMENT DEPARTMENT. THE PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.
 - ALL MANHOLES AND CATCH BASINS SHALL BE COVERED WITH TEMPORARY COVERS TO PREVENT ENTRANCE OF DIRT AND DEBRIS DURING CONSTRUCTION.
 - BURIED UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO ANY CONSTRUCTION. CALL 1-800-424-5555 FOR "ONE CALL LOCATES."
 - ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD AND THE CITY PUBLIC WORKS DEPARTMENT PRIOR TO IMPLEMENTATION IN THE FIELD.
 - TRAFFIC CONTROL SHALL BE MAINTAINED BY THE CONTRACTOR. CONSTRUCTION SIGNS, CONES, BARRICADES, AND FLAGGERS SHALL BE EMPLOYED AS SPECIFIED ON THE APPROVED TRAFFIC CONTROL PLANS OR AS REQUIRED BY THE PUBLIC WORKS DEPARTMENT.
 - AN APPROVED COPY OF THESE PLANS WITH REVISIONS MUST BE ON SITE WHENEVER CONSTRUCTION WORK IS IN PROGRESS.
 - THE PUBLIC WORKS DEPARTMENT REQUIRES THE CONTRACTOR TO PROVIDE ADEQUATE HORIZONTAL AND VERTICAL CONTROL AT ALL TIMES ON SITE FOR PERIODIC SPOT CHECKS BY CITY PERSONNEL. THIS CONTROL WILL CONSIST OF FRONT-PROPERTY CORNER OFFSETS (20 FEET) STAKED PERPENDICULAR TO THE ROAD CENTERLINE. ALL CURVE RADIUS POINTS WILL BE STAKED.
 - PRIVATE UTILITY EASEMENTS ARE REQUIRED ON THE FRONT 10 FEET OF EACH LOT.
 - IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION, FOUR (4) FEET OR MORE IN DEPTH, THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3, THE TRENCH/EXCAVATION SHALL BE SHORED AND CRIBBED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR WORKER SAFETY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.
 - EAST PIERCE FIRE AND RESCUE SHALL BE NOTIFIED IMMEDIATELY OF ALL GAS LINE BREAKS.
 - CONSTRUCTION HOURS ARE MONDAY THROUGH FRIDAY, 7:00 A.M. TO 6:00 P.M., AND SATURDAY, SUNDAY, AND HOLIDAYS, 10:00 A.M. TO 6:00 P.M. WORK CONDUCTED OUTSIDE THESE HOURS SHALL BE APPROVED BY THE COMMUNITY DEVELOPMENT DEPARTMENT. A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE. THE DAY OF SUBMITTAL SHALL NOT BE COUNTED AS ONE OF THE TWO REQUIRED DAYS. ALL CITY PERSONNEL OVERTIME INSPECTION FEES SHALL BE PAID BY THE CONTRACTOR.
 - BEFORE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE PUBLIC WORKS DEPARTMENT DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK LISTED SHALL BE SATISFACTORILY COMPLETED PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
 - RECORD DRAWINGS (MYLAR) WILL BE SUBMITTED TO THE CITY BEFORE FINAL ACCEPTANCE.
 - NO CONSTRUCTION WORK SHALL BEGIN UNTIL THE OWNER/DEVELOPER HAS ACQUIRED ALL REQUIRED RIGHT-OF-WAY AND/OR EASEMENTS, AND HAS PROVIDED THE PUBLIC WORKS DEPARTMENT WITH COPIES OF THE RECORDED DOCUMENTS.

SHEET INDEX

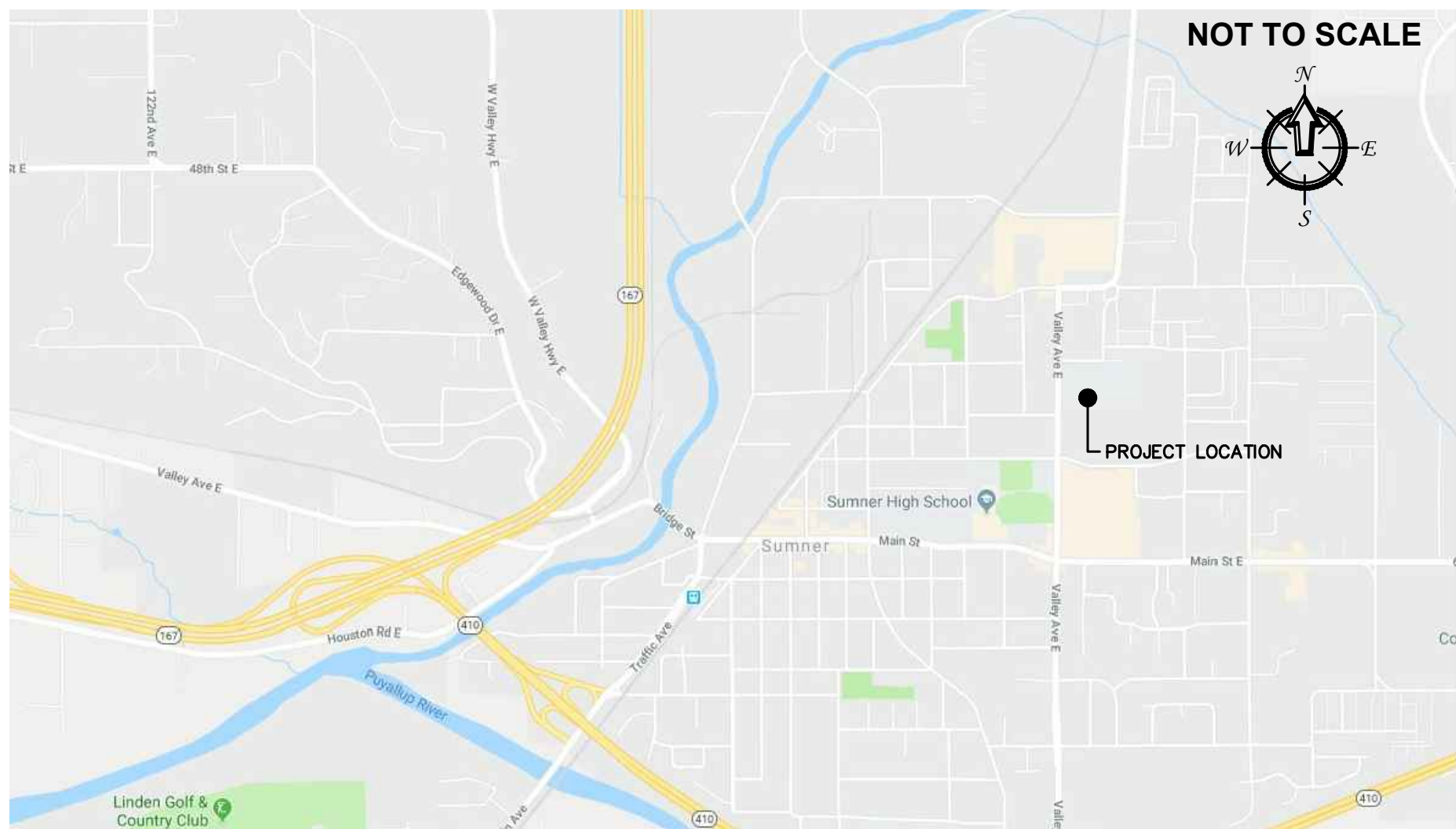
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PROJECT CONTACTS

APPLICANT ST. ANDREW CATHOLIC CHURCH CARL JONES 1401 VALLEY AVENUE EAST SUMNER, WA 98509 (253) 988-2275 carlosumner@gmail.com	ARCHITECT RMC ARCHITECTS BRAD CORNWELL, AIA, LEED AP 1223 RAILROAD AVENUE BELLINGHAM, WA 98225 (360) 676-7733 brad.c@rmcarchitects.com	SURVEYOR TRIAD ASSOCIATES LONNIE E. CARLSON, PLS 12112 115TH AVE. NE KIRKLAND, WA 98034-6929 (425) 821-8448
OWNER CORPORATION OF THE CATHOLIC ARCHBISHOP OF SEATTLE 710 9TH AVENUE SEATTLE, WA 98104 (206) 382-4851	CIVIL ENGINEER FREELAND & ASSOCIATES, INC. TONY FREELAND, PE 220 W. CHAMPION STREET SUITE 200 BELLINGHAM, WA 98225 (360) 650-1408 tfreeland@freelandengineering.com	SURVEYOR SADLER-BARNARD & ASSOCIATES, INC. DALE E. OAKS, PLS 717 W. STEWART PUYALLUP, WA 98371 (253) 848-5170

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VICINITY MAP



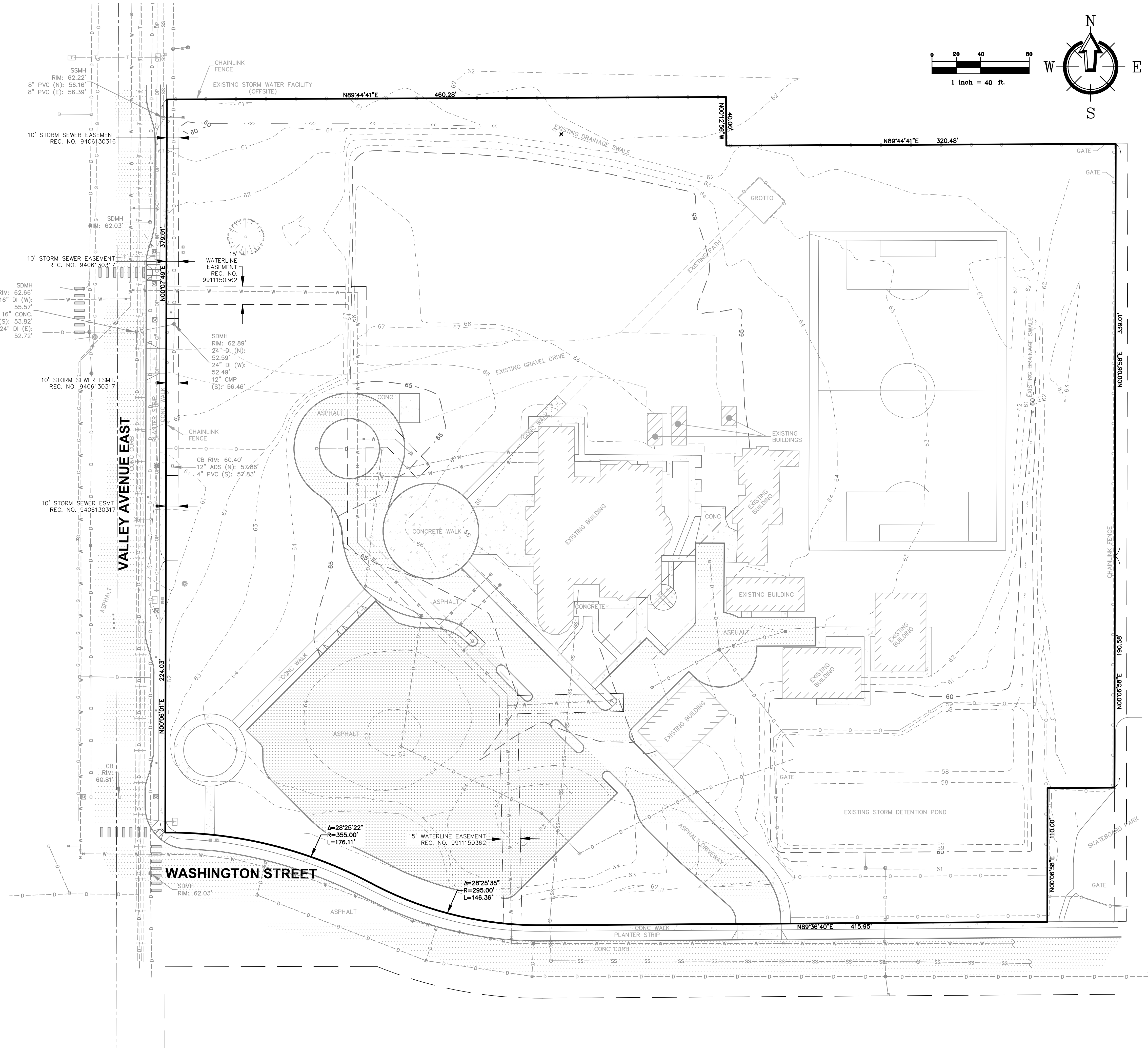
DEPARTMENT OF ECOLOGY (DOE) NOTES

- TOXICS CLEANUP**
- THIS PROPERTY IS WITHIN A QUARTER MILE OF ONE CONTAMINATED SITE. THE SITE IS SUMNER AUTO REPAIR PETROSAVE, FACILITY SITE ID (FSID) 3501054. TO SEARCH AND ACCESS INFORMATION CONCERNING THE SITE, SEE [HTTP://WWW.ECY.WA.GOV/FS/](http://www.ecy.wa.gov/fs/) AND [HTTPS://FORTRESS.WA.GOV/ECY/GSP/SITESHARCHPAGE.ASPX](https://fortress.wa.gov/ecy/gsp/siteSearchPage.aspx).
- IF CONTAMINATION OF SOIL OR GROUNDWATER IS READILY APPARENT, OR IS REVEALED BY SAMPLING, THE DEPARTMENT OF ECOLOGY MUST BE NOTIFIED. CONTACT THE ENVIRONMENTAL REPORT TRACKING SYSTEM COORDINATOR AT THE SOUTHWEST REGIONAL OFFICE AT (360) 407-6300. FOR ASSISTANCE AND INFORMATION ABOUT SUBSEQUENT CLEANUP AND TO IDENTIFY THE TYPE OF TESTING THAT WILL BE REQUIRED, CONTACT EVA BARBER WITH THE TOXICS CLEANUP PROGRAM AT THE SOUTHWEST REGIONAL OFFICE AT (360) 407-7094.
- SOLID WASTE MANAGEMENT**
- ALL GRADING AND FILLING OF LAND MUST UTILIZE ONLY CLEAN FILL. ALL OTHER MATERIALS MAY BE CONSIDERED SOLID WASTE AND PERMIT APPROVAL MAY BE REQUIRED FROM THE LOCAL JURISDICTIONAL HEALTH DEPARTMENT PRIOR TO FILLING. ALL REMOVED DEBRIS RESULTING FROM THIS PROJECT MUST BE DISPOSED OF AT AN APPROVED SITE. CONTACT THE LOCAL JURISDICTIONAL HEALTH DEPARTMENT FOR PROPER MANAGEMENT OF THESE MATERIALS. SOLID WASTE MANAGEMENT: DEREK ROCKETT (360) 407-6287

PUGET SOUND ENERGY (PSE) NOTES

- THIS PROJECT WILL INCLUDE THE DESIGN AND INSTALLATION OF THE STREET ILLUMINATION AS NECESSARY TO MEET CITY STANDARDS ALONG ALL FRONTAGES. DESIGN AND INSTALLATION OF ILLUMINATION SYSTEM WILL BE PROVIDED BY PUGET SOUND ENERGY AT THE APPLICANT'S COST.
- COORDINATE LOCATION AND DESIGN OF NEW POWER AND GAS SERVICE WITH THE MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS. INSTALLATION OF POWER AND GAS SERVICES SHALL MEET PSE INSTALLATION SPECIFICATIONS.

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555



SURVEYORS NOTES

TRIAD ASSOCIATES (SURVEY DATED 11/28/2012):

BASIS OF BEARING

HELD BEARING OF N 00°07'49" E ALONG CENTERLINE OF VALLEY AVENUE PER THE SURVEY APN 9402040400

LEGAL DESCRIPTION

PARCEL A OF CITY OF SUMNER LOT LINE ADJUSTMENT RECORDED FEBRUARY 9, 1999 UNDER RECORDING NUMBER 9902095001, RECORDS OF PIERCE COUNTY, WASHINGTON;

EXCEPT THE SOUTH 110.00 FEET OF THE EAST 55.00 FEET THEREOF;

(BEING KNOWN AS REVISED PARCEL A OF CITY OF SUMNER BOUNDARY LINE ADJUSTMENT NO. PLN-2001-00-0037, RECORDED UNDER RECORDING NUMBER 200106200171).

SITUATE IN THE COUNTY OF PIERCE, STATE OF WASHINGTON.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH CITY OF SUMNER DEVELOPMENT STANDARDS.
2. UTILITY LOCATIONS SHOWN ON THIS SURVEY DRAWING ARE BASED UPON CIVIL GRADING & DRAINAGE PLANS FOR ST. ANDREWS PARISH, CITY OF SUMNER PROJECT NO U98-130 AND PLANS FOR VALLEY AVENUE PHASE III IMPROVEMENTS CAPITAL IMPROVEMENT PROJECT 05-03 BY PARAMETRIX DATED MAY 2007. OTHER UNDERGROUND UTILITIES MAY EXIST. NO SUB-SURFACE EXPLORATION WAS DONE TO VERIFY UTILITY ROUTINGS. THE ROUTING OF ALL BURIED UTILITIES SHOULD BE CONFIRMED WITH THE UTILITY PURVEYOR AND EXPOSED IN AREAS CRITICAL TO DESIGN.
3. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. EXISTING SITE TOPOGRAPHY BY OTHERS. REFERENCE CIVIL GRADING & DRAINAGE PLANS FOR ST. ANDREWS PARISH, CITY OF SUMNER PROJECT NO U98-130. VERIFY PRIOR TO CONSTRUCTION.

SADLER-BARNAR ASSOCIATES, INC. (SURVEY DATED 2019):

BASIS OF BEARING & GOVERNMENT LOT BREAKDOWN

(R1) RECORD OF SURVEY, REC. NO. 9402040400

(R2) RECORD OF SURVEY FOR LOT LINE ADJUSTMENT, REC. NO. 9902095001

LEGAL DESCRIPTION

PARCEL A OF CITY OF SUMNER LOT LINE ADJUSTMENT RECORDED FEBRUARY 9, 1999 UNDER RECORDING NUMBER 9902095001, RECORDS OF PIERCE COUNTY, WASHINGTON;

EXCEPT THE SOUTH 110.00 FEET OF THE EAST 55.00 FEET THEREOF;

(BEING KNOWN AS REVISED PARCEL A OF CITY OF SUMNER BOUNDARY LINE ADJUSTMENT NO. PLN-2001-00-0037, RECORDED UNDER RECORDING NUMBER 200106200171).

SITUATE IN THE COUNTY OF PIERCE, STATE OF WASHINGTON.

TAX PARCEL NO.

052019-2166

SITE ADDRESS

1401 VALLEY AVENUE EAST
SUMNER, WASHINGTON 98390

VERTICAL DATUM

NGVD 1929, PIERCE COUNTY

SITE BENCH MARK

T.B.M.

R/R/ SPIKE IN EAST FACE OF POWER POLE AT THE SOUTHWEST CORNER OF INTERSECTION OF VALLEY AVENUE EAST AND WASHINGTON STREET
ELEV = 62.28'

SURVEYOR'S NOTES:

SURVEY PERFORMED BY FIELD TRAVERSE AND ELECTRONIC DATA COLLECTION USING A LEICA TS12P ROBOTIC TOTAL STATION AND LEICA CS20 DISCO FIELD CONTROLLER AND/OR BY GPS USING A LEICA GS16 PERFORMANCE SMART ANTENNA WITH LEICA SMARTNET NETWORK RTK SURVEY, WHICH USES GRS80 ELLIPSOID AND GEOD 09.

CLOSURES EXCEEDED THE MINIMUM REQUIREMENTS AS ESTABLISHED BY WAC 332-130-090.

PROPERTY CORNERS SET, EXCEPT AS NOTED, REPRESENT DEED LOCATIONS. OWNERSHIP LINES MAY BE DIFFERENT. OBVIOUS ENCROACHMENTS, IF ANY, ARE SHOWN. HOWEVER NO GUARANTEE OF OWNERSHIP IS EXPRESSED OR IMPLIED.

Archdiocese of Seattle

St. Andrew Catholic Church Parish Hall
1401 Valley Avenue East, Sumner, Washington, 98390

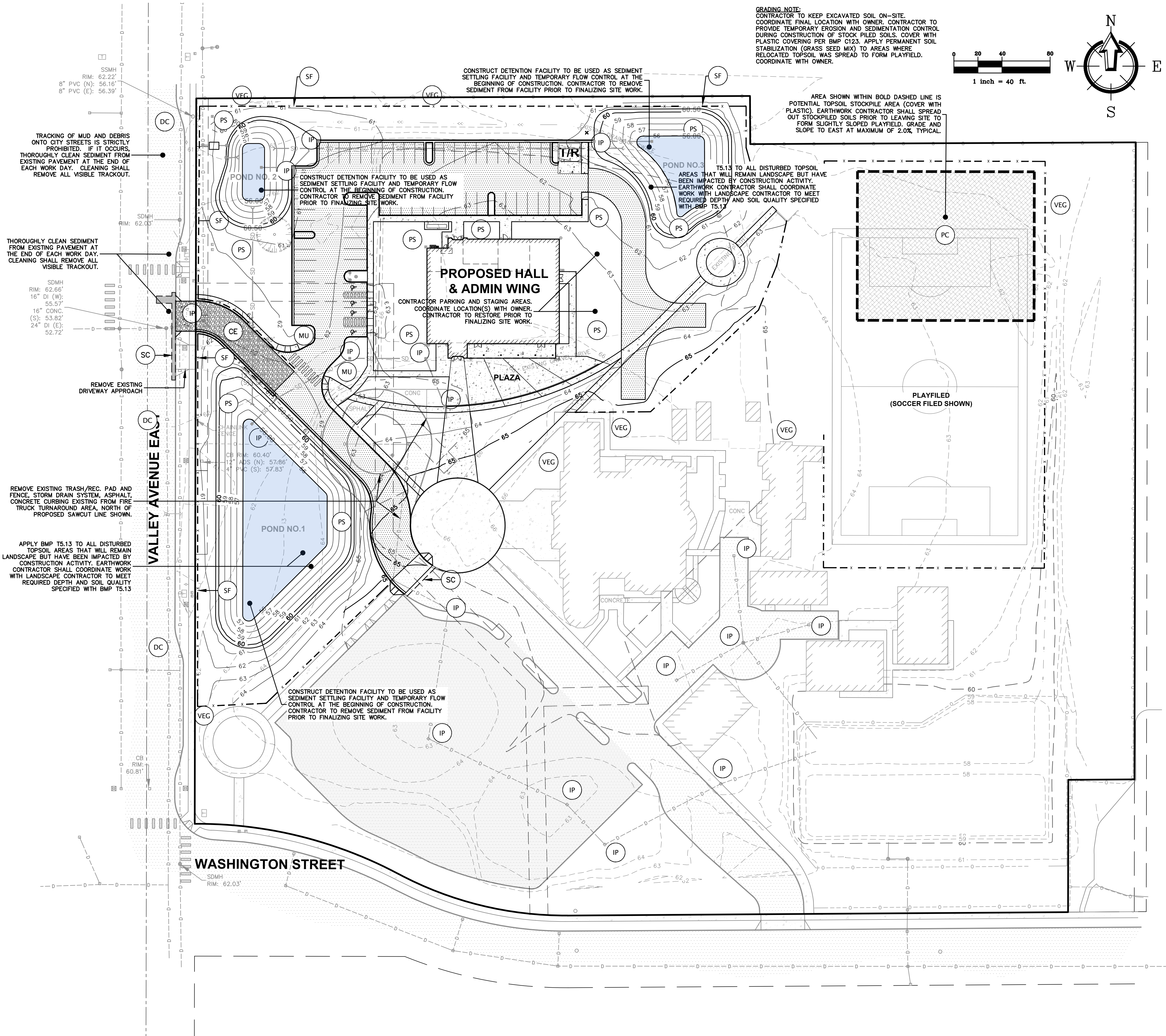
RMC ARCHITECTS



Job No: 18126 Date: 02-07-2020
File No: 18126SP9
Drawn By: MID
Checked By: HAF
Issued for: PERMIT SET

EXISTING
CONDITIONS

C2



TESC CONTRACTOR RESPONSIBILITY

1. TEMPORARY EROSION CONTROL BMPs SHOWN IN THESE PLANS ARE THE MINIMUM NECESSARY FOR PERMIT APPROVALS. ADDITIONAL BMPs MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ADDITIONAL BMPs OR BMP MAINTENANCE THAT MAY BE REQUIRED DURING CONSTRUCTION.
2. THIS PROJECT WILL DISTURB MORE THAN ONE ACRE OF SOIL AND WILL REQUIRE A NATIONAL DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT FROM WASHINGTON DOE. THE OWNER WILL OBTAIN THE NPDES PERMIT AND WILL TRANSFER THE PERMIT TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS IN THE NPDES PERMIT. THE CONTRACTOR SHALL PREPARE AND MAINTAIN AN EROSION CONTROL LOG BOOK IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR BMP MAINTENANCE OR REPAIRS THAT RESULT FROM COMPLIANCE WITH THE NPDES PERMIT. LIKEWISE, ANY ADDITIONAL BMPs THAT MAY BE REQUIRED FOR COMPLIANCE WITH THE NPDES PERMIT DURING CONSTRUCTION SHALL BE IMPLEMENTED AT THE CONTRACTOR'S EXPENSE.

LEGEND:

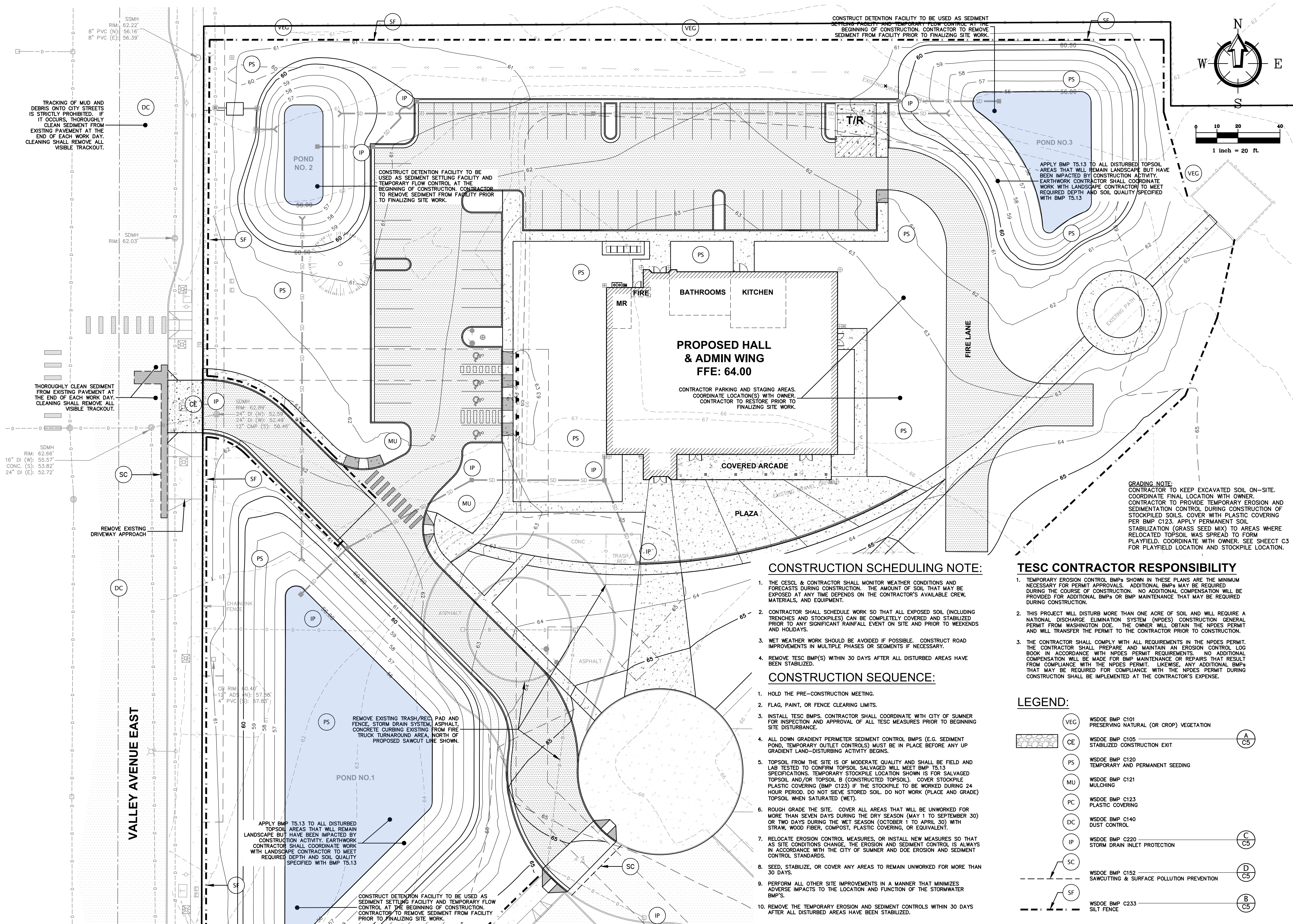
VEG	WSDOE BMP C101 PRESERVING NATURAL (OR CROP) VEGETATION	A	C5
CE	WSDOE BMP C105 STABILIZED CONSTRUCTION EXIT		
PS	WSDOE BMP C120 TEMPORARY AND PERMANENT SEEDING		
MU	WSDOE BMP C121 MULCHING		
PC	WSDOE BMP C123 PLASTIC COVERING		
DC	WSDOE BMP C140 DUST CONTROL	C	C5
IP	WSDOE BMP C220 STORM DRAIN INLET PROTECTION		
SC	WSDOE BMP C152 SAWCUTTING & SURFACE POLLUTION PREVENTION	D	C5
SF	WSDOE BMP C233 SILT FENCE	B	C5

CONSTRUCTION SCHEDULING NOTE:

1. THE CESOL & CONTRACTOR SHALL MONITOR WEATHER CONDITIONS AND FORECASTS DURING CONSTRUCTION. THE AMOUNT OF SOIL THAT MAY BE EXPOSED AT ANY TIME DEPENDS ON THE CONTRACTOR'S AVAILABLE CREW, MATERIALS, AND EQUIPMENT.
2. CONTRACTOR SHALL SCHEDULE WORK SO THAT ALL EXPOSED SOIL (INCLUDING TRENCHES AND STOCKPILES) CAN BE COMPLETELY COVERED AND STABILIZED PRIOR TO ANY SIGNIFICANT RAINFALL EVENT ON SITE AND PRIOR TO WEEKENDS AND HOLIDAYS.
3. WET WEATHER WORK SHOULD BE AVOIDED IF POSSIBLE. CONSTRUCT ROAD IMPROVEMENTS IN MULTIPLE PHASES OR SEGMENTS IF NECESSARY.
4. REMOVE TESC BMP(S) WITHIN 30 DAYS AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED.

CONSTRUCTION SEQUENCE:

1. HOLD THE PRE-CONSTRUCTION MEETING.
2. FLAG, PAINT, OR FENCE CLEARING LIMITS.
3. INSTALL TESC BMPs. CONTRACTOR SHALL COORDINATE WITH CITY OF SUMNER FOR INSPECTION AND APPROVAL OF ALL TESC MEASURES PRIOR TO BEGINNING SITE DISTURBANCE.
4. ALL DOWN GRADIENT PERIMETER SEDIMENT CONTROL BMPs (E.G. SEDIMENT POND, TEMPORARY OUTLET CONTROLS) MUST BE IN PLACE BEFORE ANY UP GRADIENT LAND-DISTURBING ACTIVITY BEGINS.
5. TOPSOIL FROM THE SITE IS OF MODERATE QUALITY AND SHALL BE FIELD AND LAB TESTED TO CONFIRM TOPSOIL SALVAGED WILL MEET BMP T5.13 SPECIFICATIONS. TEMPORARY STOCKPILE LOCATION SHOWN IS FOR SALVAGED TOPSOIL AND/OR TOPSOIL B (CONSTRUCTED TOPSOIL). COVER STOCKPILE PLASTIC COVERING (BMP C123) IF THE STOCKPILE TO BE WORKED DURING 24 HOUR PERIOD. DO NOT SIEVE STORED SOIL. DO NOT WORK (PLACE AND GRADE) TOPSOIL WHEN SATURATED (WET).
6. ROUGH GRADE THE SITE. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30) OR TWO DAYS DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) WITH STRAW, WOOD FIBER, COMPOST, PLASTIC COVERING, OR EQUIVALENT.
7. RELOCATE EROSION CONTROL MEASURES, OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY OF SUMNER AND DOE EROSION AND SEDIMENT CONTROL STANDARDS.
8. SEED, STABILIZE, OR COVER ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
9. PERFORM ALL OTHER SITE IMPROVEMENTS IN A MANNER THAT MINIMIZES ADVERSE IMPACTS TO THE LOCATION AND FUNCTION OF THE STORMWATER BMP'S.
10. REMOVE THE TEMPORARY EROSION AND SEDIMENT CONTROLS WITHIN 30 DAYS AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED.



RMC ARCHITECTS



FREELAND & ASSOCIATES



Archdiocese of Seattle

St. Andrew Catholic Church Parish Hall

1401 Valley Avenue East, Sumner, Washington, 98390

Job No: 18126 Date: 02-07-2020

File No: 18126SP9

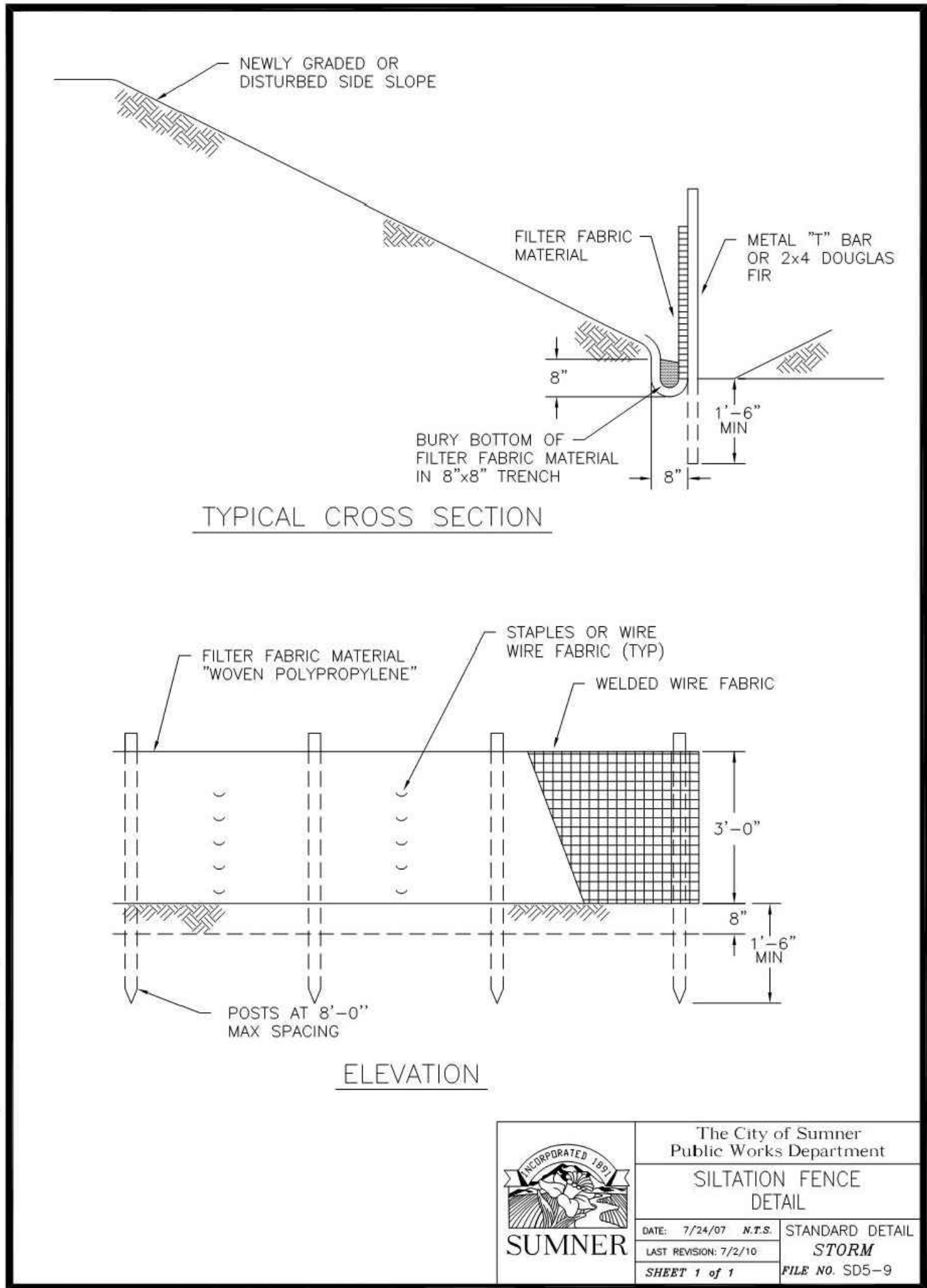
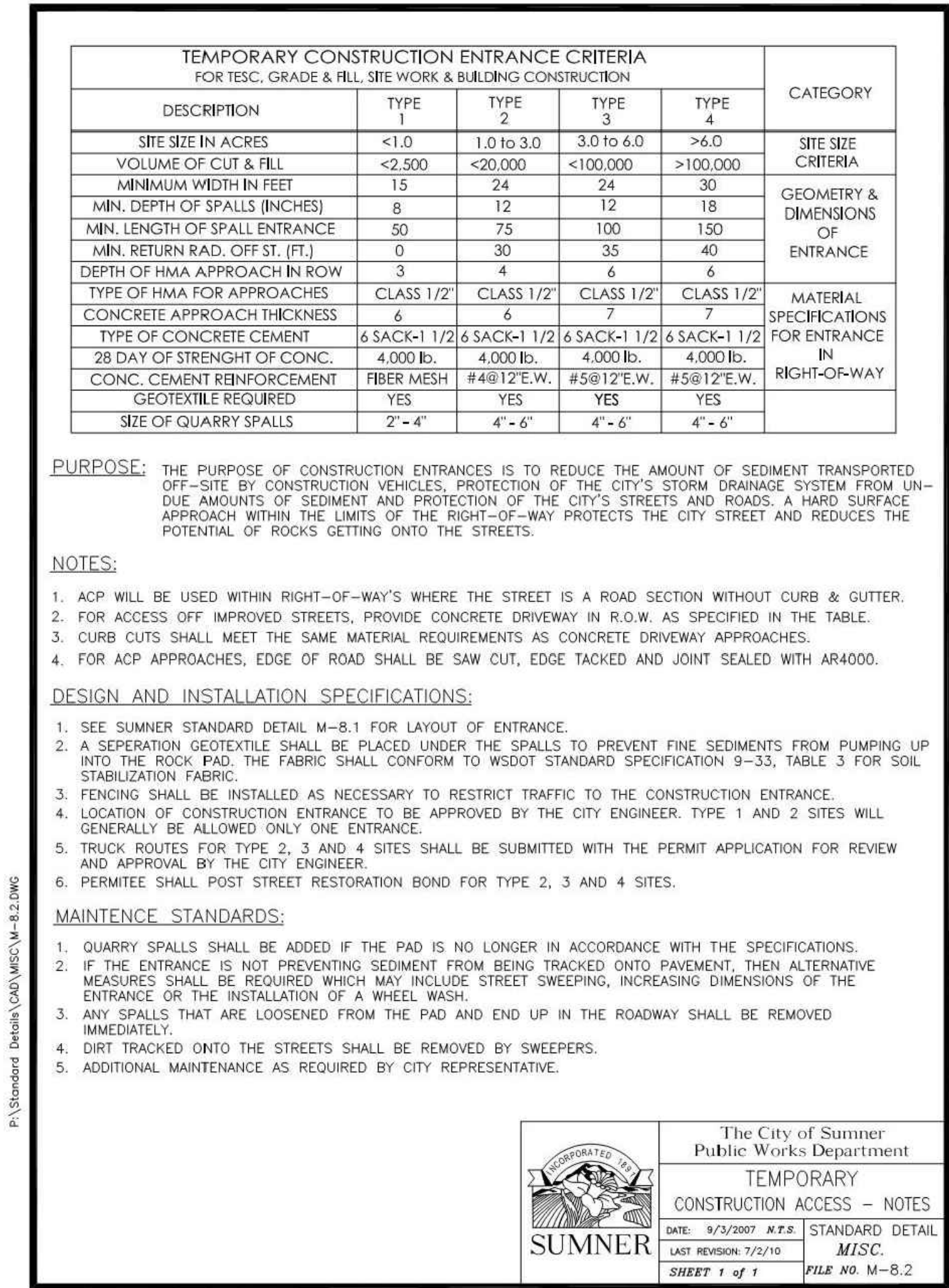
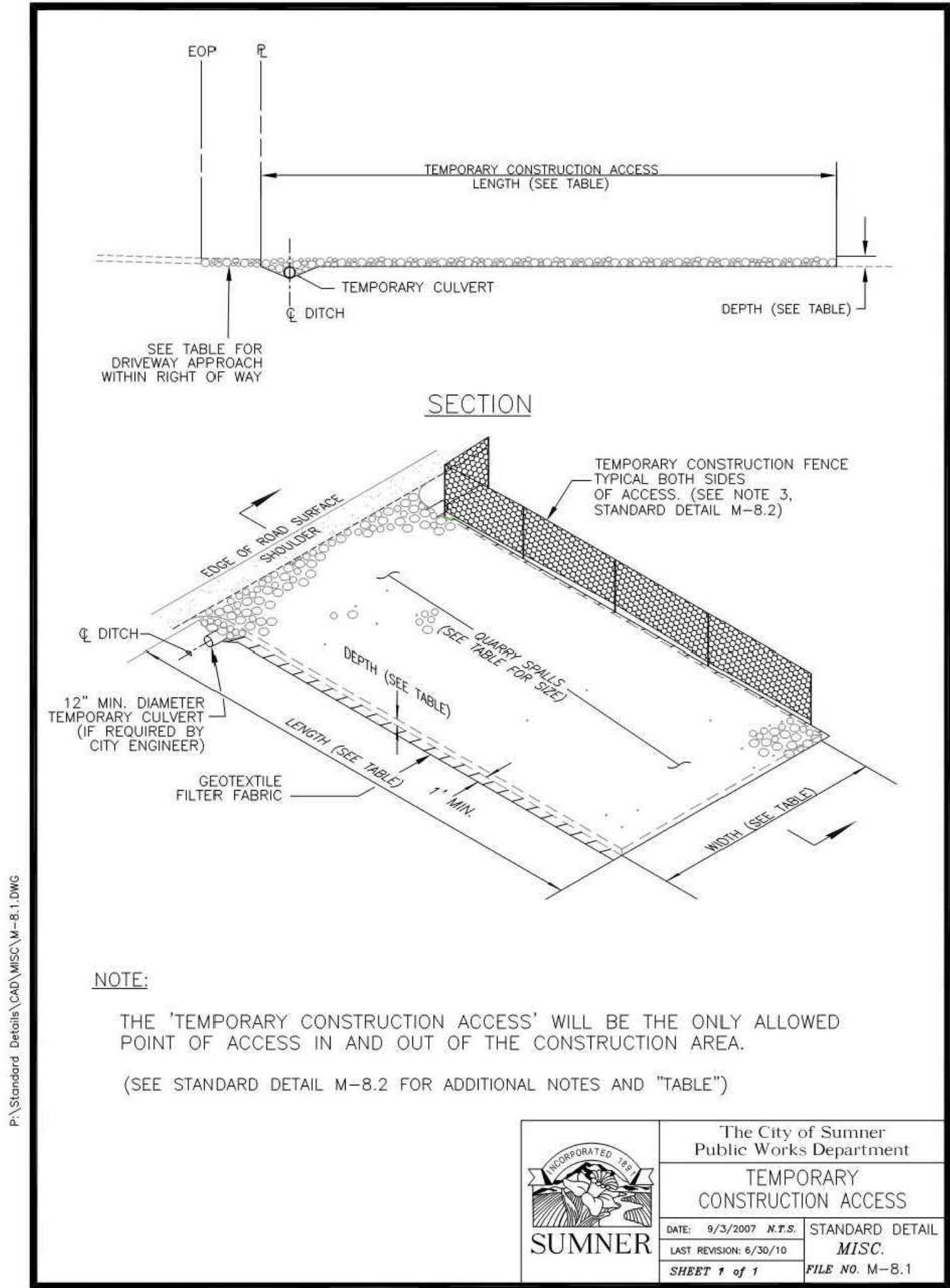
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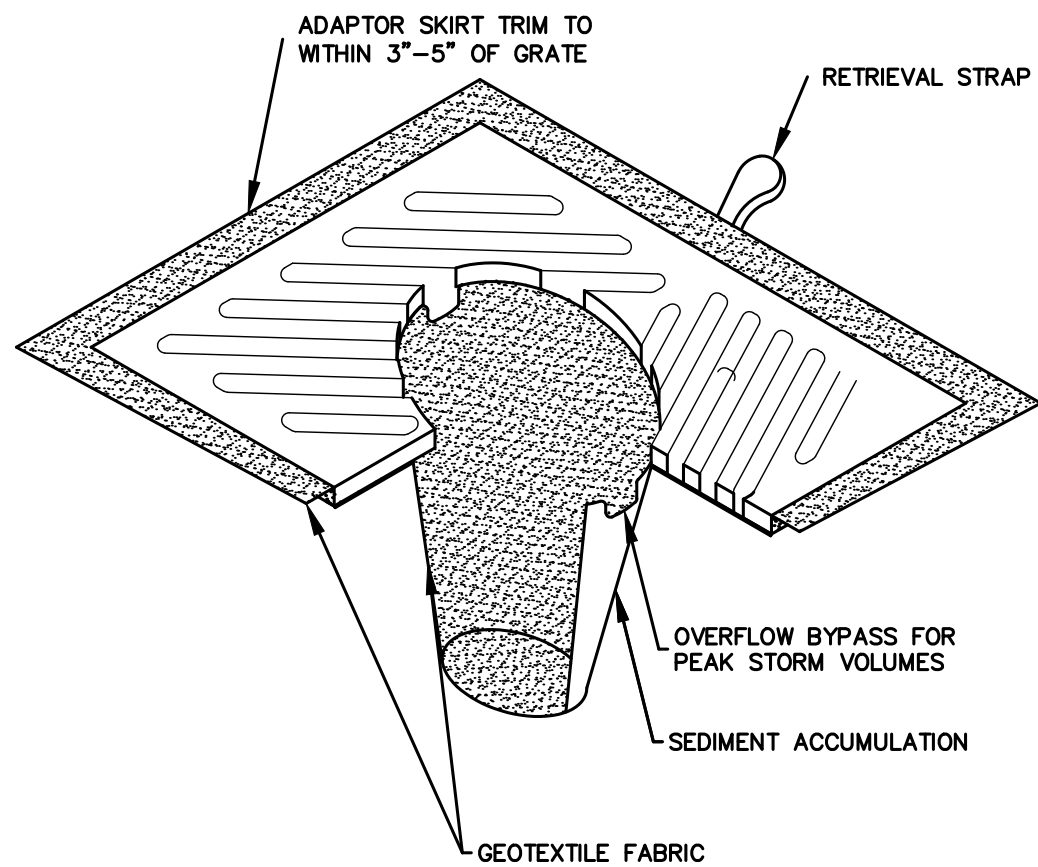
TEMPORARY EROSION & SEDIMENTATION CONTROL PLAN

C4



A TEMPORARY CONSTRUCTION ACCESS
nts

B SILT FENCE
nts



BMP C152: Sawcutting and Surfacing Pollution Prevention

Purpose
Sawcutting and surfacing operations generate slurry and process water that contains fine particles and high pH (concrete cutting), both of which can violate the water quality standards in the receiving water. Concrete spillage or concrete discharge to surface waters of the State is prohibited. Use this BMP to minimize and eliminate process water and slurry created through sawcutting or surfacing from entering waters of the State.

Conditions of Use
Utilize these management practices anytime sawcutting or surfacing operations take place. Sawcutting and surfacing operations include, but are not limited to, the following:

- Sawing
- Coring
- Grinding
- Roughening
- Hydro-demolition
- Bridge and road surfacing

Design and Installation Specifications

- Vacuum slurry and cuttings during cutting and surfacing operations.
- Slurry and cuttings shall not remain on permanent concrete or asphalt pavement overnight.
- Slurry and cuttings shall not drain to any natural or constructed drainage conveyance including stormwater systems. This may require temporarily blocking catch basins.
- Dispose of collected slurry and cuttings in a manner that does not violate ground water or surface water quality standards.
- Do not allow process water generated during hydro-demolition, surface roughening or similar operations to drain to any natural or constructed drainage conveyance including stormwater systems. Dispose process water in a manner that does not violate ground water or surface water quality standards.
- Handle and dispose cleaning waste material and demolition debris in a manner that does not cause contamination of water. Dispose of sweeping material from a pick-up sweeper at an appropriate disposal site.

Maintenance Standards
Continually monitor operations to determine whether slurry, cuttings, or process water could enter waters of the state. If inspections show that a violation of water quality standards could occur, stop operations and immediately implement preventive measures such as berms, barriers, secondary containment, and vacuum trucks.

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1. APPROVAL OF THIS STORMWATER SITE PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN.
2. THE IMPLEMENTATION OF THESE TESC BMPs AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
4. THE TESC BMPs SHOWN MUST BE CONSTRUCTED PRIOR TO ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE PERMITTEE SHALL NOTIFY THE CITY ENGINEER OR DESIGNEE TO SCHEDULE INSPECTIONS AT THE COMPLETION OF THE FOLLOWING PHASES OF WORK:
 - PRECONSTRUCTION INSPECTION. PRIOR TO THE COMMENCEMENT OF ANY OTHER WORK, THE INSPECTION OF EROSION AND SEDIMENT CONTROL DEVICES SHALL TAKE PLACE WHEN INSTALLATION OF ALL THE EROSION AND SEDIMENT CONTROL DEVICES HAS BEEN COMPLETED ACCORDING TO APPROVED PLANS. ONLY THE MINIMUM AREA NECESSARY FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CLEARED AND/OR GRADED PRIOR TO THIS INSPECTION.
 - ROUGH GRADING INSPECTION. WHEN ALL ROUGH GRADING IS COMPLETE, INSPECTION OF THE SITE SHALL TAKE PLACE TO DETERMINE THE SATISFACTORY FUNCTIONING OF ALL EROSION AND SEDIMENT CONTROL DEVICES.
 - FINAL INSPECTION. UPON COMPLETION OF ALL CONSTRUCTION, INSPECTION OF THE SITE SHALL TAKE PLACE TO DETERMINE THAT ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES HAVE BEEN REMOVED AND THAT THE SITE HAS BEEN PERMANENTLY STABILIZED.
6. THE TESC BMPs SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS AND AS THE CITY REQUIRES.
7. FROM OCTOBER 1 THROUGH APRIL 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. FROM MAY 1 THROUGH SEPTEMBER 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. THIS CONDITION APPLIES TO ALL SOILS ON SITE, WHETHER AT FINAL GRADE OR NOT. SEE THE DEPARTMENT OF ECOLOGY 2012 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, VOLUME II, FOR ADDITIONAL SOIL STABILIZATION REQUIREMENTS.
8. ANY AREA NEEDING TESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN 15 DAYS.
9. AT NO TIME SHALL MORE THAN 1 FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A 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.
10. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
11. PROVISIONS SHALL BE MADE TO AVOID THE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES ONTO PAVED PUBLIC ROADS. IF SEDIMENT IS DEPOSITED, THE ROADS ARE TO BE CLEANED EVERY DAY BY SWEEPING.
12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION-CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY AND SHALL BE CLEANED OUT ENTIRELY FOLLOWING PROJECT COMPLETION.
13. AS CONSTRUCTION PROGRESSES AND UNEXPECTED SEASONAL CONDITIONS DICTATE, AND AS THE CITY REQUIRES, THE PERMITTEE SHOULD ANTICIPATE THAT MORE TESC MEASURES WILL BE NECESSARY TO PROTECT ADJACENT PROPERTIES AND ENSURE ADEQUATE WATER QUALITY FOR SITE RUNOFF. IT SHALL BE THE RESPONSIBILITY OF THE ESC SUPERVISOR TO ADDRESS DEFICIENT TESC CONDITIONS AND PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE MINIMUM REQUIREMENTS OUTLINED ON THE APPROVED PLANS.
14. THE ESC SUPERVISOR SHALL INSPECT ALL TESC MEASURES MONTHLY DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30), WEEKLY DURING THE WET SEASON (OCTOBER 1 TO APRIL 30), AND IMMEDIATELY FOLLOWING SIGNIFICANT STORMS (0.4 INCHES OF PRECIPITATION IN 24 HOURS). WRITTEN RECORD OF THESE INSPECTIONS SHALL BE RETAINED ON SITE, WITH A COPY OF THE INSPECTION REPORT BEING FORWARDED TO THE CITY ENGINEER OR DESIGNEE WITHIN 48 HOURS OF EACH INSPECTION. ESC SUPERVISOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TESC BMPs AS NECESSARY TO ENSURE CONTINUED SATISFACTORY FUNCTION AND OPERATION.
15. RETURN SILTATION CONTROL AREAS TO ORIGINAL OR BETTER GROUND CONDITIONS AT PROJECT COMPLETION.

E TESC NOTES
nts

C INLET PROTECTION
nts

D SAWCUTTING AND POLLUTION PREVENTION
nts



ELEMENT #1: MARK CLEARING LIMITS

CLEARING LIMITS AND NEARBY SENSITIVE AREAS AND THEIR BUFFERS, WILL BE CLEARLY MARKED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES, WHICH INCLUDES CLEARING AND GRADING. THESE AREAS WILL BE CLEARLY MARKED N THE FIELD TO PREVENT DAMAGE AND OFFSITE IMPACTS.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS'S CONSIDERED FOR ELEMENT #1 INCLUDE:
BMP C101: PRESERVING NATURAL VEGETATION
BMP C103: HIGH VISIBILITY PLASTIC OR METAL FENCE
BMP C104: STAKE AND WIRE FENCE

ELEMENT #2: ESTABLISH CONSTRUCTION ACCESS

IT IS RECOMMENDED THAT THE PROPOSED DRIVEWAY FROM VALLEY AVENUE BE ESTABLISHED AS THE SITE ACCESS POINT, CONTRACTOR PARKING, AND MATERIAL STORAGE. THIS AREA MUST BE STABILIZED, MONITORED FOR SEDIMENT, AND MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS. EARTHWORK EQUIPMENT WILL REMAIN WITHIN THE DISTURBED AREA TO THE MAXIMUM EXTENT PRACTICABLE. CONSTRUCTION TRAFFIC THAT WILL ROUTINELY LEAVE THE SITE (E.G. WORK TRUCKS, PERSONAL VEHICLES) MUST REMAIN ON PAVED SURFACES TO THE MAXIMUM EXTENT PRACTICABLE. PAVED ROADS & PARKING AREAS MUST BE CLEANED AT THE END OF EACH DAY. SEDIMENT TRANSPORTED TO ROADS FROM THE SITE MUST BE SWEEPED AND DISPOSED OF AT A CONTROLLED SEDIMENT DISPOSAL AREA ON SITE OR REMOVED OFF SITE AND DISPOSED AT AN APPROVED FILL SITE. IF STREET WASHING IS NEEDED, IT WILL ONLY OCCUR AFTER SEDIMENT HAS BEEN REMOVED AS DESCRIBED. THE RESULTING WASH WASTEWATER WOULD THEN BE CONTROLLED BY PUMPING IT BACK ON SITE. ALL CONSTRUCTION ACCESS POINTS WILL BE RESTORED TO PRE-CONSTRUCTION OR PROPOSED CONDITIONS.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERED FOR ELEMENT #2 INCLUDE:
BMP C105: STABILIZED CONSTRUCTION ENTRANCE
HOUSEKEEPING/MAINTENANCE BMP: DAILY STREET SWEEPING
HOUSEKEEPING/MAINTENANCE BMP: BMP C140 DUST CONTROL

ELEMENT #3: CONTROL FLOW RATES

FLOW RATES MUST BE CONTROLLED TO THE MAXIMUM EXTENT PRACTICAL. DETENTION SYSTEMS ARE REQUIRED FOR THIS PROJECT. THE PROPOSED DETENTION FACILITY SHALL BE EXCAVATED AS EARLY AS POSSIBLE IN THE CONSTRUCTION PROCESS. THE PROPOSED DETENTION FACILITY SHALL BE FUNCTIONAL FOR EROSION CONTROL PRIOR TO CONSTRUCTION OF OTHER IMPERVIOUS SURFACES ON SITE. THE DETENTION STRUCTURE SHALL BE THOROUGHLY CLEANED AND ALL SEDIMENT SHALL BE REMOVED FROM THE VAULT AFTER THE SITE IS STABILIZED. DISCHARGE WILL BE CONVEYED TO CITY OF SUMNER MUNICIPAL DRAINAGE SYSTEMS LOCATED WITHIN VALLEY AVENUE NORTH OF THE SITE.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERED FOR ELEMENT #3 INCLUDE:
BMP C241: TEMPORARY SEDIMENT POND

ELEMENT #4: INSTALL SEDIMENT CONTROLS

THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL AND EXISTING VEGETATION WILL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. ELEMENT #1 OF THIS PLAN, INCLUDING IMPLEMENTING PRESERVING NATURAL VEGETATION, WILL HELP RETAIN SOME AREAS IN AN UNDISTURBED STATE. SILT FENCING WILL BE INSTALLED DOWNHILL FROM DISTURBED AREAS TO TRAP AND RETAIN SEDIMENT ON SITE. OTHER SEDIMENT CONTROLS, SUCH AS TEMPORARY SEDIMENT TRAPS, SUMPS, GRAVEL FILER BERMS, STRAW WATTLES, ETC. MAY BE INSTALLED IF WARRANTED AS CONDITIONS CHANGE ON SITE DURING CONSTRUCTION. TEMPORARY FILTRATION (BAKER TANKS OR SEDIMENT PONDS) WILL LIKELY BE NECESSARY.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERED FOR ELEMENT #4 INCLUDE:
BMP C233: SILT FENCE
BMP C208: TRIANGULAR SILT DIKE
BMP C241: TEMPORARY SEDIMENT POND
BMP C251: CONSTRUCTION STORMWATER FILTRATION

ELEMENT #5: STABILIZE SOILS

IF CONSTRUCTION OCCURS IN THE DRY SEASON, (5/1 THROUGH 9/30) SOILS WILL NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. IF CONSTRUCTION OCCURS IN THE WET SEASON (10/1 THROUGH 4/30) SOILS WILL NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. WHEN ACTIVE GRADING IS IN PROGRESS, THE DEADLINE FOR SOIL STABILIZATION MAY BE EXTENDED UPON DETERMINING THAT THE LIKELIHOOD OF EROSION IMPACTS IS LOW BASED ON THE TYPE AND AMOUNT OF SOIL EXPOSED, SITE TOPOGRAPHY, POTENTIAL FOR DISCHARGE TO CRITICAL AREAS AND LAKES, AND OTHER FACTORS. IN ADDITION, WEATHER CONDITIONS WILL CONTINUALLY BE MONITORED, INCLUDING BEFORE HOLIDAYS AND WEEKENDS, FOR PURPOSES OF PREPARING THE SITE FOR PREDICTED WEATHER CONDITIONS. BMPS THAT ARE EFFECTIVE IN STABILIZING SOILS AND PROTECTING THEM FROM EXPOSURE TO RAIN AND WIND OR OTHER CLIMATIC CONDITIONS WILL BE IMPLEMENTED THROUGHOUT THE PROJECT. EVALUATION AND MONITORING OF BMP EFFECTIVENESS WILL OCCUR ON A DAILY BASIS. IN ADDITION, IN THE EVENT OF FORECASTED PRECIPITATION EVENTS, ADDITIONAL MEASURES TO STABILIZE SOILS WILL BE TAKEN.

BMPS THAT WILL BE CONSIDERED THROUGHOUT CONSTRUCTION INCLUDE BUT ARE NOT LIMITED TO TEMPORARY

AND PERMANENT SEEDING, SODDING, MULCHING, PLASTIC COVERING, EROSION CONTROL FABRICS AND MATTING, THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED, AND DUST CONTROL.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERED FOR ELEMENT #5 INCLUDE:
BMP C120: TEMPORARY AND PERMANENT SEEDING
BMP C121: MULCHING
BMP C122: NETS AND BLANKETS
BMP C123: PLASTIC COVERING
BMP C124: SODDING
BMP C125: TOPSOILING
BMP C140: DUST CONTROL

ELEMENT #6: PROTECT SLOPES

SIGNIFICANT CUT OR FILL SLOPES ARE NOT PROPOSED AS PART OF THIS PROJECT.

ELEMENT #7: PROTECT DRAIN INLETS

STORM DRAIN INLETS ARE PROPOSED AS PART OF THIS PROJECT. OPERABLE STORM DRAIN INLETS ON THE SITE AND WITHIN 500 FEET DOWNSTREAM OF THE CONSTRUCTION AREA ROADS WILL BE PROTECTED SO THAT STORMWATER RUNOFF DOES NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FILTRATION OR OTHER TREATMENT FOR SEDIMENT. STORM DRAIN INLET PROTECTION WILL BE USED TO DETERMINE THE MOST APPROPRIATE INLET PROTECTION DESIGN FOR THE SITE AND THE DOWNSTREAM AREA.

INLETS WILL BE INSPECTED WEEKLY AT A MINIMUM AND DAILY DURING STORM EVENTS. INLET PROTECTION DEVICES MUST BE CLEANED OR REMOVED AND REPLACED BEFORE SIX INCHES OF SEDIMENT CAN ACCUMULATE. CONSTRUCTION ACCESS POINTS AND APPROACHES WILL BE MONITORED AND SWEEPED TO MINIMIZE THE POTENTIAL OF SEDIMENT TRANSPORT. IF STREET WASHING OCCURS, THE WASH WASTEWATER WILL BE PUMPED BACK ON SITE.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERED FOR ELEMENT #7 INCLUDE:
BMP C220: STORM DRAIN INLET PROTECTION

ELEMENT #8: STABILIZE CHANNELS AND OUTLETS

A DRAINAGE CONVEYANCE SYSTEM WILL BE USED AS PART OF THIS PROJECT TO CONVEY NON TURBID STORMWATER RUNOFF FROM THE LOT TO CITY OF SUMNER MUNICIPAL DRAINAGE SYSTEM LOCATED IN VALLEY AVENUE. OUTLETS OF ALL CONVEYANCE SYSTEMS WILL BE PROTECTED AND STABILIZED TO PREVENT EROSION OF OUTLETS AND SWALES. OUTLET PROTECTION WILL BE CONSIDERED FOR PURPOSES OF DESIGNING AND IMPLEMENTING THE MOST EFFECTIVE OUTLET PROTECTION APPROACH.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERED FOR ELEMENT #8 INCLUDE:
BMP C202: CHANNEL LINING
BMP C209: OUTLET PROTECTION

ELEMENT #9: CONTROL POLLUTANTS

WASTE MATERIALS GENERATED ON SITE WILL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER, INCLUDING COVERING SOIL STOCKPILES. ROUTINE INSPECTIONS OF THE WASTE MATERIAL STORAGE AREAS WILL BE CONDUCTED TO MAKE SURE THAT LEAKS OR SPILLS DO NOT OCCUR. ANY LEAKAGE OR SPILLS WILL BE CLEANED UP IMMEDIATELY.

MAINTENANCE OF HEAVY EQUIPMENT INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING AND/OR OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF WILL BE CONDUCTED WITH SPILL PREVENTION MEASURES IN PLACE, INCLUDING CONDUCTING MAINTENANCE ON A TEMPORARY PAD THAT CAN BE USED TO CAPTURE LARGE SPILLS AND THE USE OF DRIP PANS. IN THE EVENT THAT EMERGENCY REPAIRS NEED TO BE PERFORMED AND CLIMATIC CONDITIONS MAY RESULT IN A PRECIPITATION EVENT PRIOR TO THE REPAIR BEING COMPLETED, THE REPAIR AREA, WHICH INCLUDES THE VEHICLE, WILL BE COVERED WITH TARPS OR OTHER PLASTIC SHEETING. DISCHARGES, SPILLS, OR LEAKS WILL BE CLEANED IMMEDIATELY. THE NOTIFICATION PROCEDURE OUTLINED IN THE PERMANENT SITE SWPPP IS AS FOLLOWS:

ALL SPILLS WILL BE REPORTED TO THE DEPARTMENT OF ECOLOGY, SPILL RESPONSE PROGRAM (425) 649-7000.

BMPS CONSIDERED FOR ELEMENT #9 INCLUDE: SPILL CLEANUP AND RESPONSE PRACTICES

ELEMENT #10: CONTROL DE-WATERING

BASED ON THE SOILS EXPLORATIONS, DEWATERING MAY BE NECESSARY AS PART OF THIS PROJECT. IF NECESSARY, CLEAN, NON-TURBID DE-WATERING WATER, SUCH AS WELL-POINT GROUND WATER, CAN BE DISCHARGED TO SYSTEMS TRIBUTARY TO STATE SURFACE WATERS, PROVIDED THE DE-WATERING FLOW DOES NOT CAUSE EROSION OR FLOODING OF RECEIVING WATERS. THESE CLEAN WATERS SHOULD NOT BE ROUTED THROUGH A STORMWATER SEDIMENT POND.

HIGHLY TURBID OR CONTAMINATED DEWATERING WATER FROM CONSTRUCTION EQUIPMENT OPERATION, CONCRETE

TREMIE, POUR, OR WORK INSIDE A COFFERDAM MUST BE HANDLED SEPARATELY FROM STORMWATER.

OTHER DISPOSAL OPTIONS, DEPENDING ON SITE CONSTRAINTS, MAY INCLUDE:
• INFILTRATION
• TRANSPORT OFF SITE IN VEHICLE, SUCH AS A VACUUM FLUSH TRUCK, FOR LEGAL DISPOSAL IN A MANNER THAT DOES NOT POLLUTE STATE WATERS,
• ON-SITE TREATMENT USING CHEMICAL TREATMENT OR OTHER SUITABLE TREATMENT TECHNOLOGIES,
• SANITARY SEWER DISCHARGE WITH LOCAL SEWER DISTRICT APPROVAL, OR
• USE OF A SEDIMENTATION BAG WITH OUTFALL TO A DITCH OR SWALE FOR SMALL VOLUMES OF LOCALIZED DEWATERING.

ELEMENT #11: MAINTAIN BMPS

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS WILL BE INSPECTED BY THE CESOL, AND MUST BE MAINTAINED, AND REPAIRED BY THE CONTRACTOR TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND REPAIR MUST BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT BMP IDENTIFIED IN ELEMENTS #1 THROUGH #10. TEMPORARY EROSION AND SEDIMENT CONTROLS IDENTIFIED ABOVE WILL BE INSPECTED DAILY DURING THE WET SEASON. NEEDED REPAIRS AND MAINTENANCE WILL OCCUR WITHIN SEVEN (7) DAYS OR, IN THE EVENT OF A FORECAST OF INCLEMENT WEATHER, REPAIRS AND MAINTENANCE WILL OCCUR IMMEDIATELY.

TEMPORARY EROSION AND SEDIMENT CONTROL BMPS WILL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT WILL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL RESULTING FROM REMOVAL OF BMPS OR VEGETATION MUST BE PERMANENTLY STABILIZED.

ELEMENT #12: MANAGE THE PROJECT CONSTRUCTION

EXPOSED AREAS DURING THE CLEARING AND GRADING PROCESS WILL BE MULCHED AS PART OF THE CLEARING AND GRADING ACTIVITIES. CLEARING AND GRADING ACTIVITIES WILL OCCUR AFTER THE APPLICABLE PERMITS HAVE BEEN OBTAINED. REVEGETATION OF EXPOSED AREAS AND MAINTENANCE OF THAT VEGETATION WILL OCCUR AS PART OF THE PLANTING PHASE OF THE PROJECT TO BE INSTALLED AFTER SUB-GRADE ROAD BASE MATERIAL HAS BEEN INSTALLED AND PRIOR TO FINAL GRAVEL SURFACING.

SEASONAL WORK LIMITATIONS

FROM MAY 1 THROUGH SEPTEMBER 30, SOIL WILL NOT BE EXPOSED/UNWORKED FOR 7 DAYS. FROM OCTOBER 1 THROUGH APRIL 30, SOIL WILL NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. IN ADDITION, WEATHER CONDITIONS WILL CONTINUALLY BE MONITORED INCLUDING BEFORE HOLIDAYS AND WEEKENDS FOR PURPOSES OF PREPARING THE SITE FOR PREDICTED WEATHER CONDITIONS. BMPS THAT ARE EFFECTIVE IN STABILIZING SOILS AND PROTECTING THEM FROM EXPOSURE TO RAIN AND WIND OR OTHER CLIMATIC CONDITIONS WILL BE IMPLEMENTED THROUGHOUT THE PROJECT. INSPECTION AND EVALUATION OF THE EFFECTIVENESS OF THE BMPS WILL OCCUR ON A DAILY BASIS. IN ADDITION, IN THE EVENT OF FORECASTED PRECIPITATION EVENTS, ADDITIONAL MEASURES TO STABILIZE SOILS WILL BE TAKEN.

COORDINATION WITH UTILITIES AND OTHER CONTRACTORS

THE STORMWATER MANAGEMENT REQUIREMENTS FOR ALL ASPECTS OF THE CONSTRUCTION PROJECT, INCLUDING UTILITIES, WERE CONSIDERED IN PREPARING THE CONSTRUCTION SWPPP.

INSPECTION AND MONITORING

AS PREVIOUSLY MENTIONED, ALL BMPS WILL BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. IN THE EVENT THAT INSPECTION AND/OR MONITORING REVEALS THAT THE BMPS IDENTIFIED IN THIS CONSTRUCTION SWPPP ARE INADEQUATE, DUE TO THE ACTUAL DISCHARGE OF OR POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT, THIS SWPPP MUST BE MODIFIED, AS APPROPRIATE, IN A TIMELY MANNER.

MAINTENANCE OF THE CONSTRUCTION SWPPP

THE CONSTRUCTION SWPPP WILL BE RETAINED ON-SITE AND WILL BE UPDATED ON A REGULAR BASIS. MODIFICATIONS TO THE CONSTRUCTION SWPPP WILL BE MADE WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF ANY BMP.

ELEMENT #13: PROTECT LOW IMPACT DEVELOPMENT BMPS

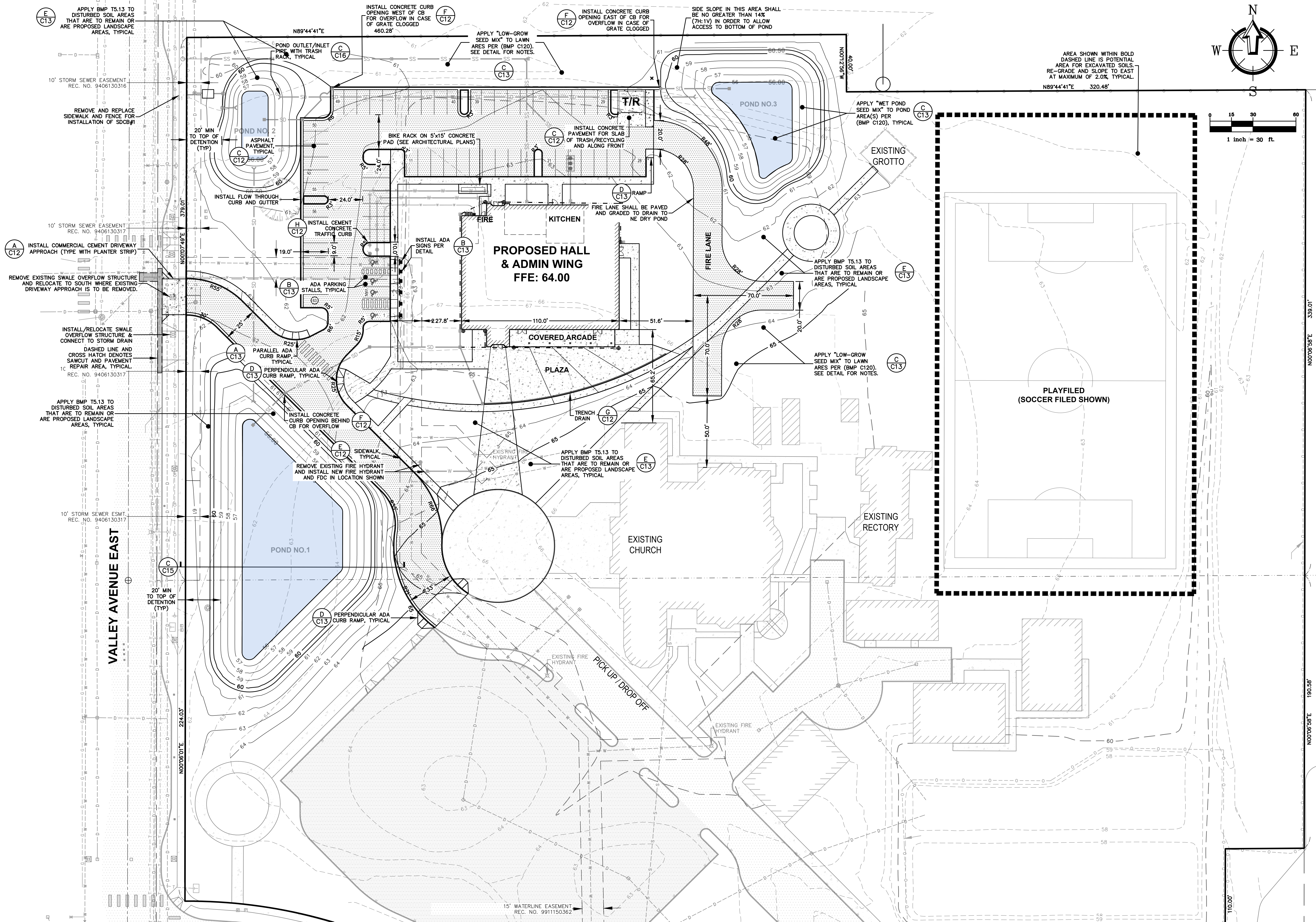
STORMWATER DETENTION POND FACILITIES ARE PROPOSED FOR THIS SITE. PROTECT ALL DETENTION POND FACILITIES FROM SEDIMENTATION DURING CONSTRUCTION THROUGH INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL BMPS ON PORTIONS OF THE SITE THAT DRAIN INTO THE BIORETENTION BMPS. RESTORE THE BMPS TO THEIR FULLY FUNCTIONING CONDITION IF THEY ACCUMULATE SEDIMENT DURING CONSTRUCTION. RESTORING THE BMP MUST INCLUDE REMOVAL OF SEDIMENT FROM PROPOSED DETENTION PONDS IF NECESSARY, AND REPLACING THE REMOVED SOILS WITH SOILS MEETING THE DESIGN SPECIFICATION.

PREVENT COMPACTING STORMWATER DETENTION POND(S) BMPS BY EXCLUDING EQUIPMENT CONSTRUCTION EQUIPMENT AND FOOT TRAFFIC FROM ENTERING THE POND FOOTPRINT AREA AFTER SUBGRADE ELEVATION AND LOOSENING OF SUBGRADE HAS BEEN PREFORMED BY LANDSCAPE CONTRACTOR. TOPSOIL APPLICATION SHALL ALSO INCLUDE INCORPORATION OF LOOSENED SUBGRADE WITH FIRST TOPSOIL LIFT. SEE BMP TS13. PROTECT COMPLETED LAWN AND LANDSCAPED AREAS FROM COMPACTION AFTER HYDRO-SEED HAS BEEN APPLIED BY INSTALLING ORANGE CONSTRUCTION BARRIER FENCING OR SILT FENCE.

A STORMWATER POLLUTION PREVENTION PLAN
nts

Job No.: 18126 Date: 02-07-2020
File No.: 18126SP9
Drawn By: MID
Checked By: HAF
Issued for: PERMIT SET

STORMWATER
POLLUTION
PREVENTION PLAN



Archdiocese of Seattle
St. Andrew Catholic Church Parish Hall
1401 Valley Avenue East, Sumner, Washington, 98390

Job No: 18126 Date: 02-07-2020
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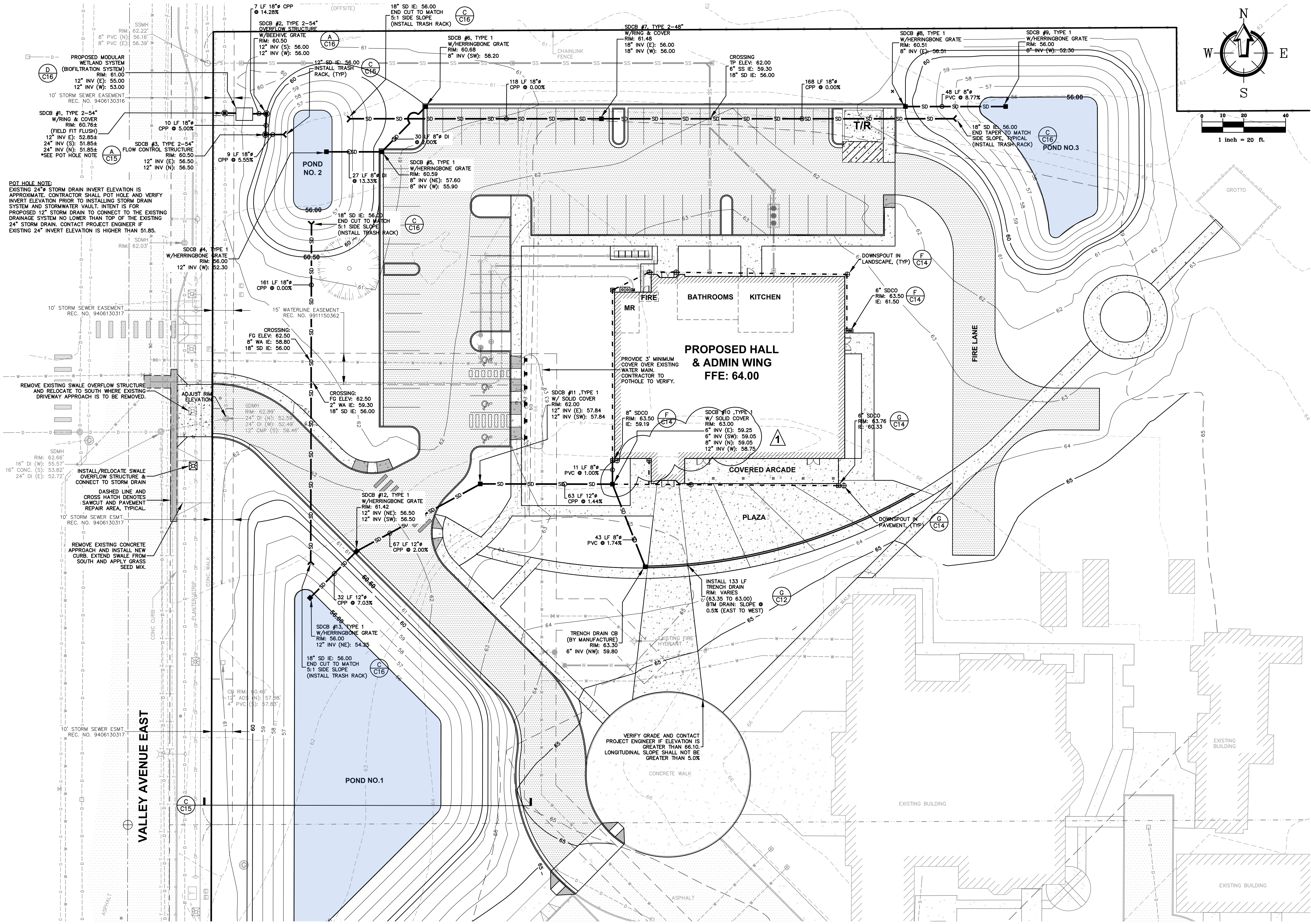
SITE PLAN
(OVERVIEW)

C7

RMC ARCHITECTS



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Archdiocese of Seattle

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1) UPDATED PLANS PER CITY REVIEW 2/4/2020

DRAINAGE PLAN

C8

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Freeland & Associates

PAUL A. FREELAND III

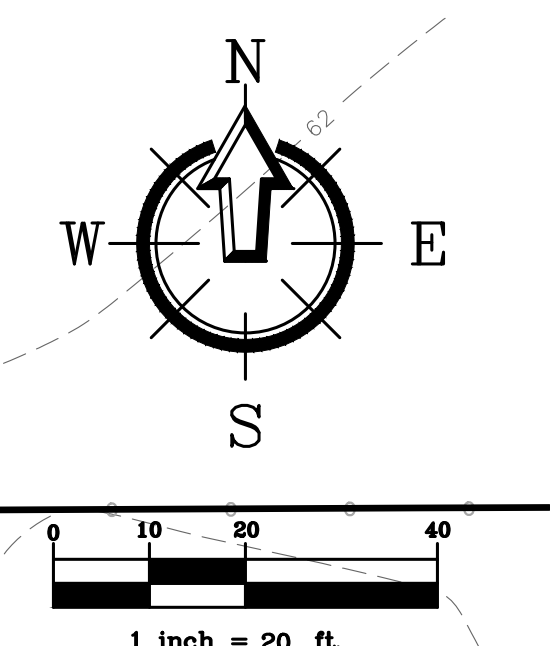
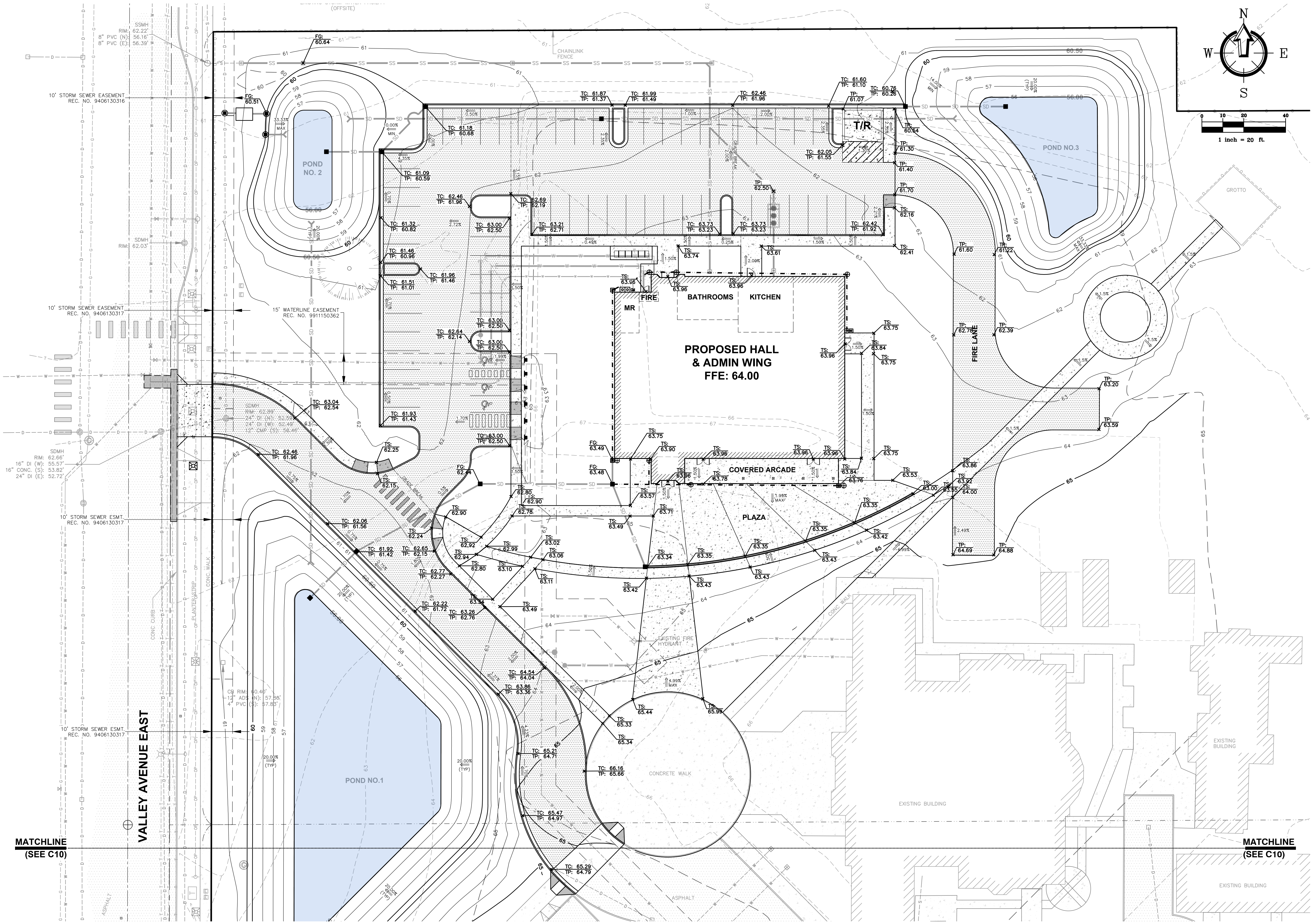
STATE OF WASHINGTON

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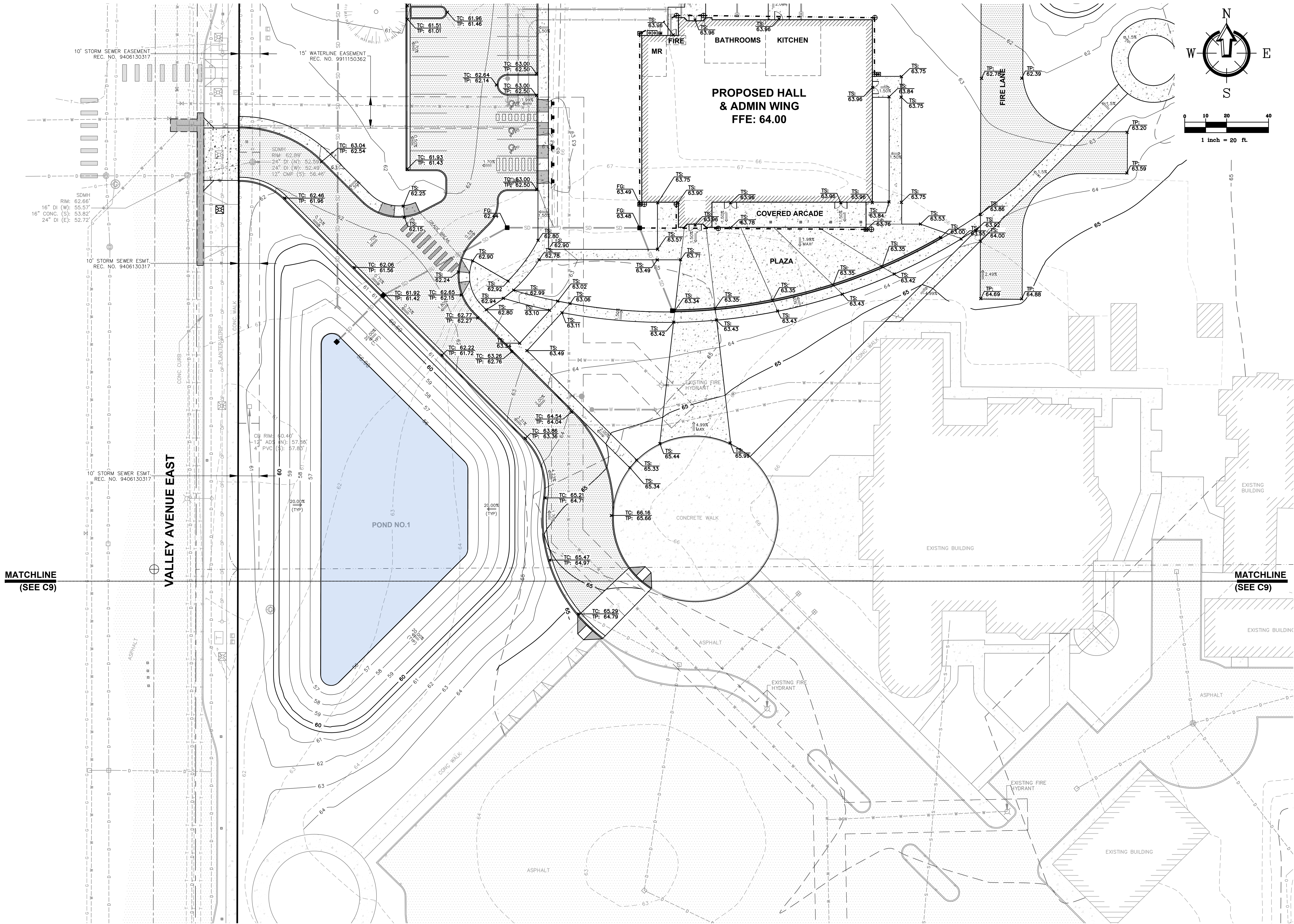


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GRADING PLAN - NORTH

C9



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GRADING PLAN -
SOUTH

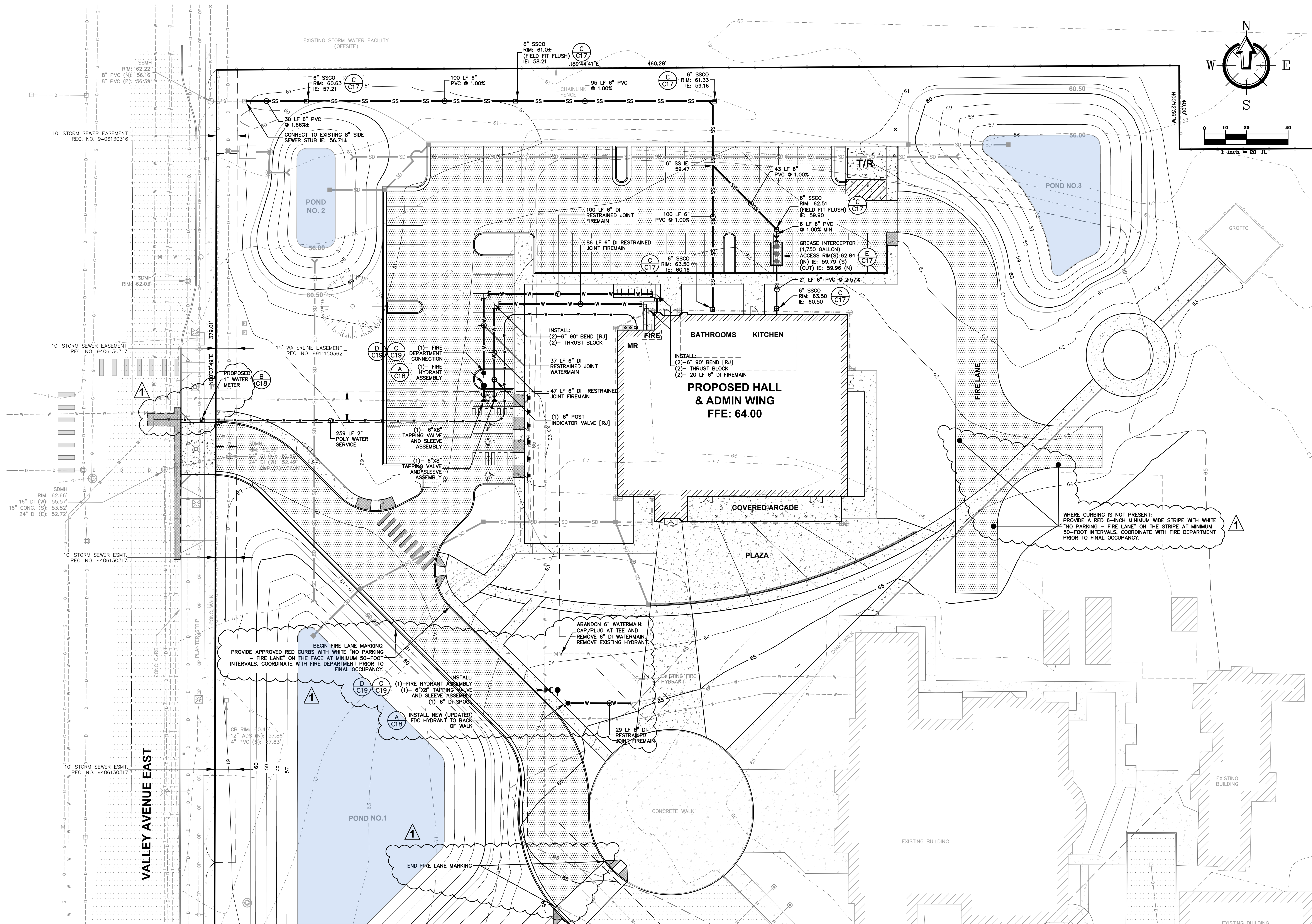
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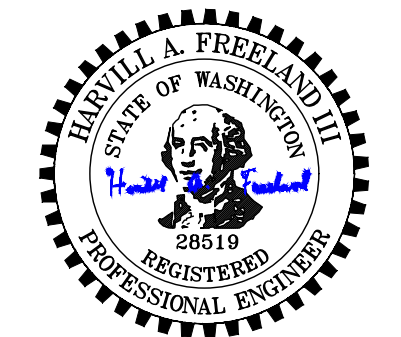
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1) UPDATED PLANS PER CITY
REVIEW 2/4/2020

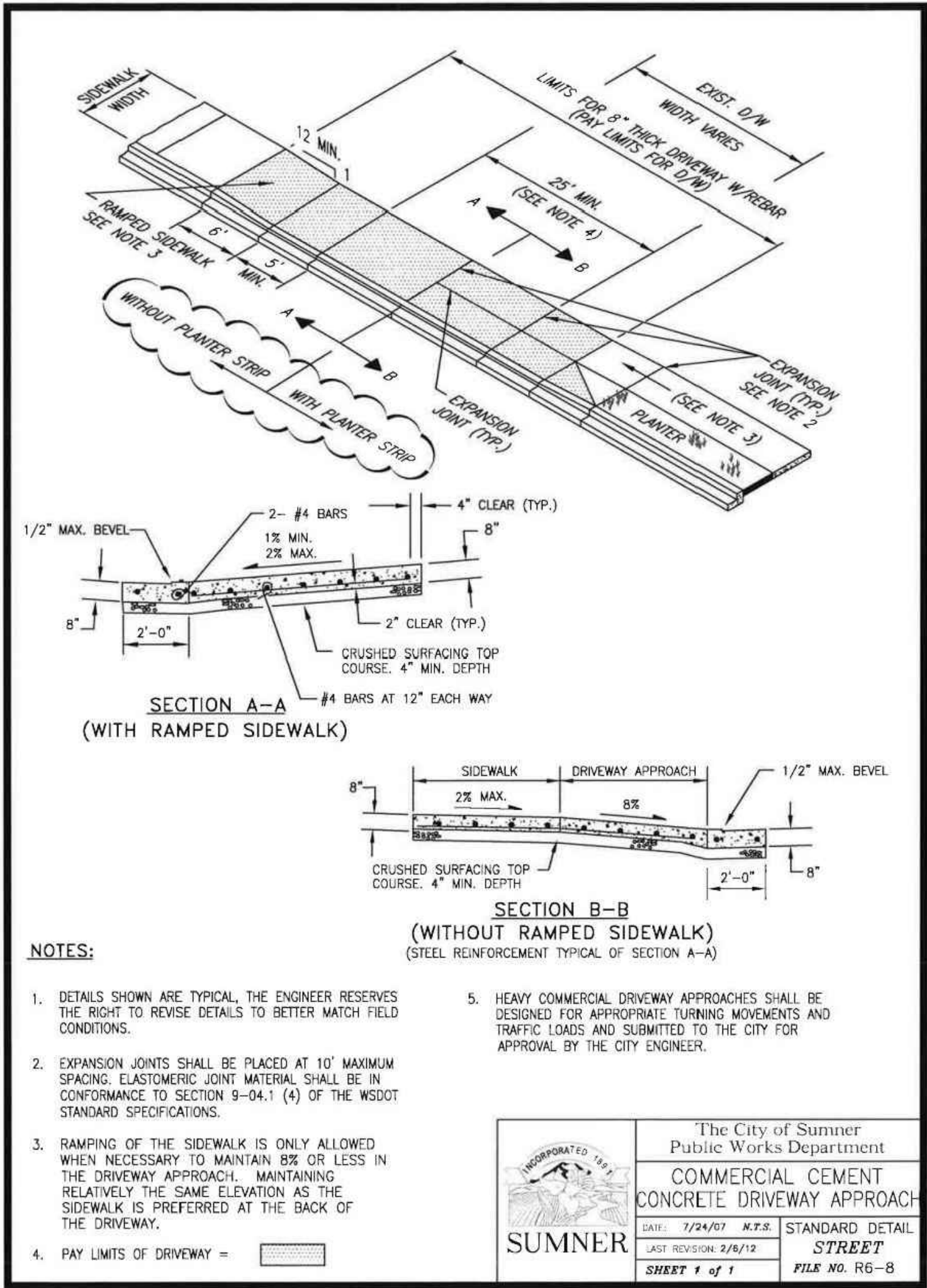
SEWER, WATER, &
FIRE PLAN

C11

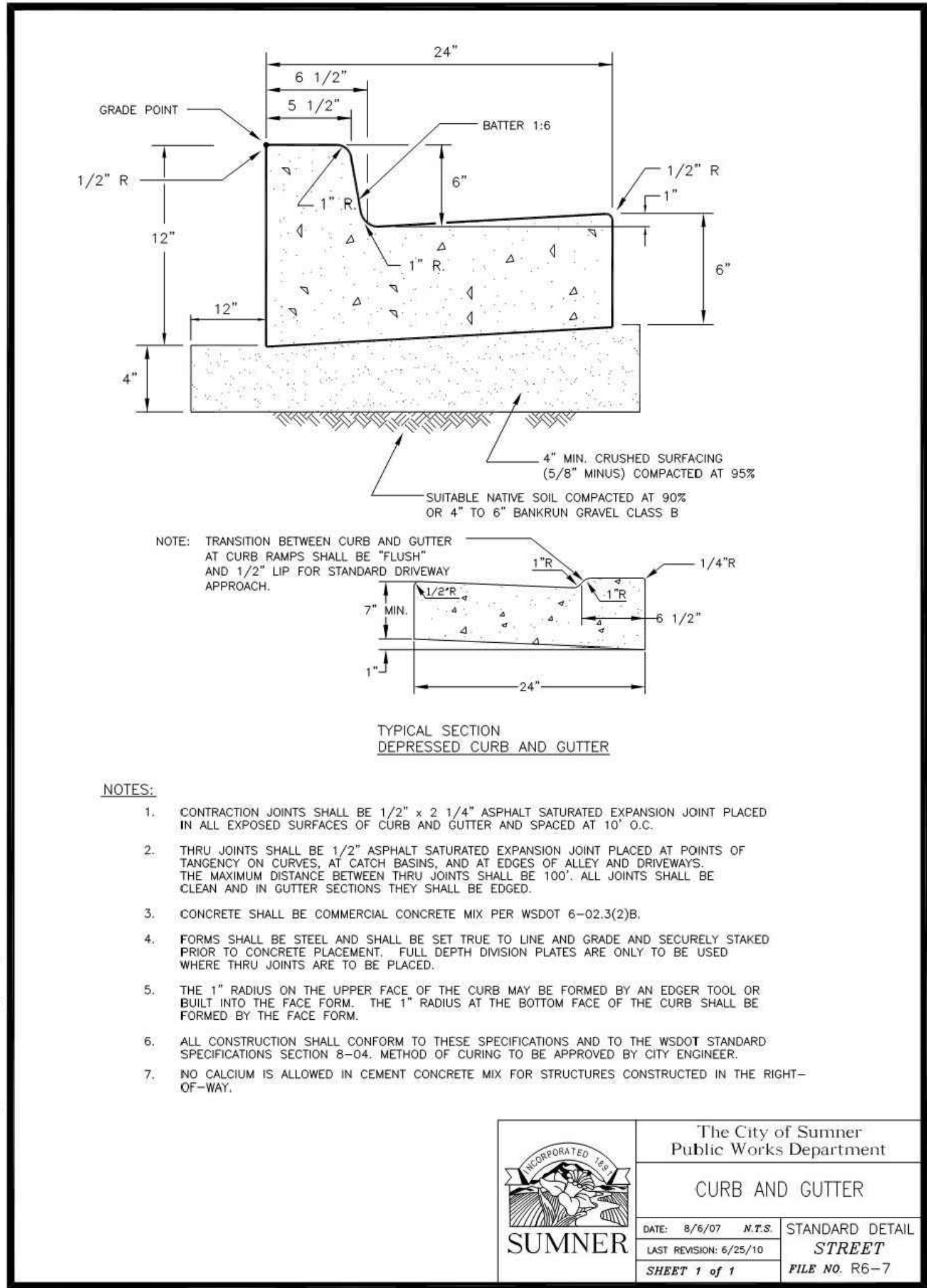
RMC ARCHITECTS



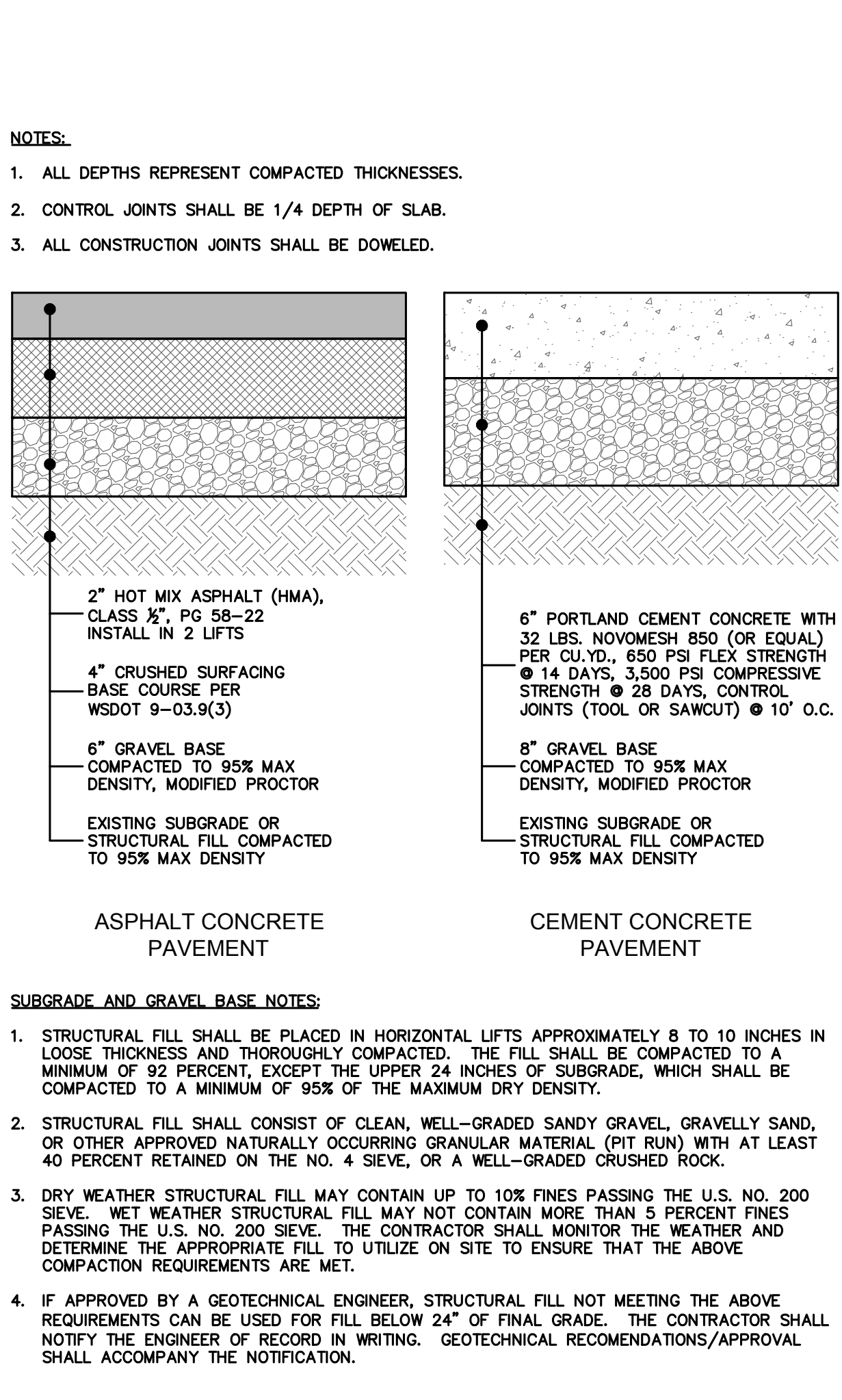
RMC Architects, PLLC • 1223 Railroad Avenue Bellingham, WA 98225
P: 360.676.7733 • F: 360.738.0448 • rmc@rmcarchitects.com



A COMMERCIAL CEMENT CONCRETE DRIVEWAY
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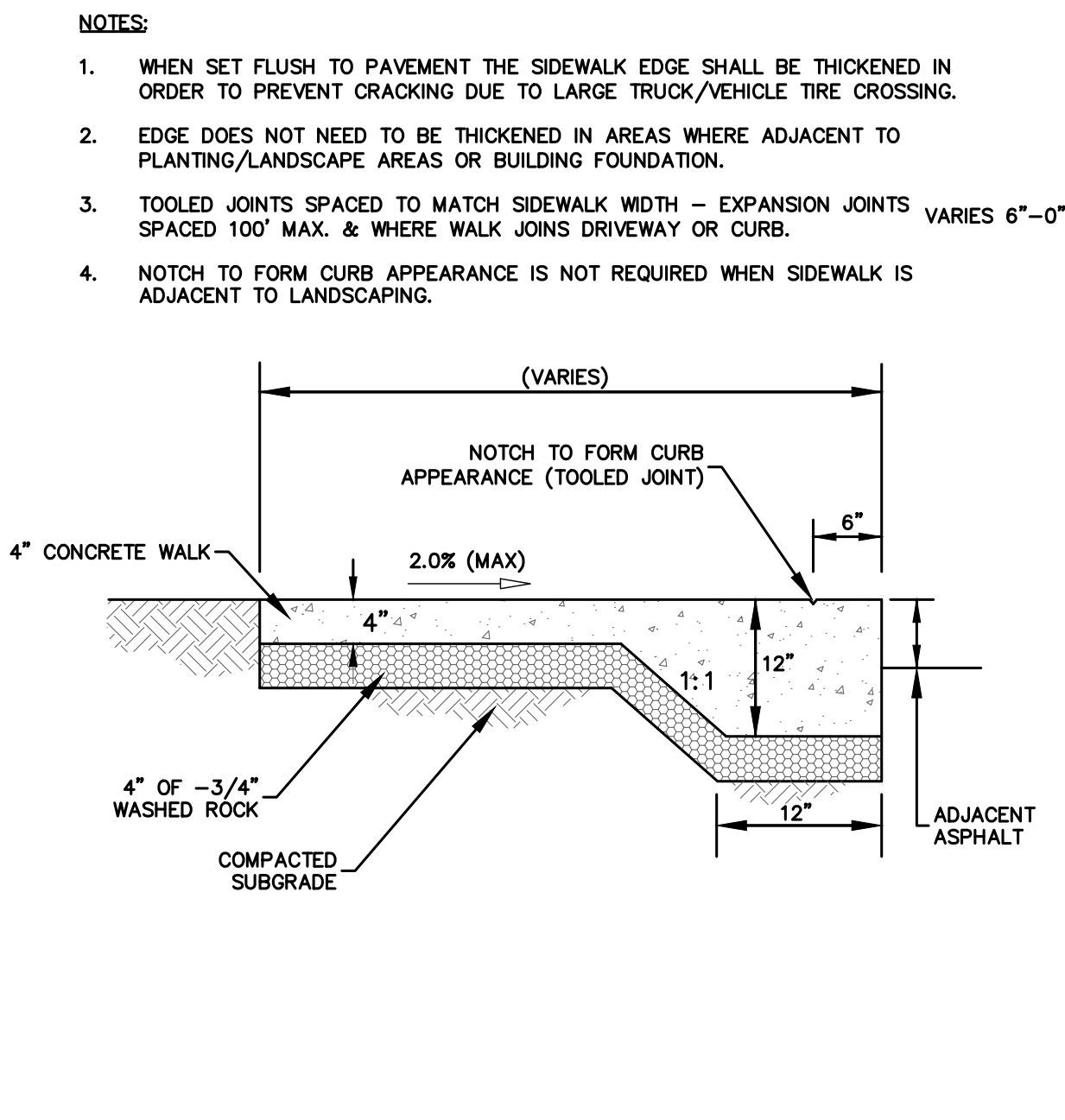


B CURB AND GUTTER
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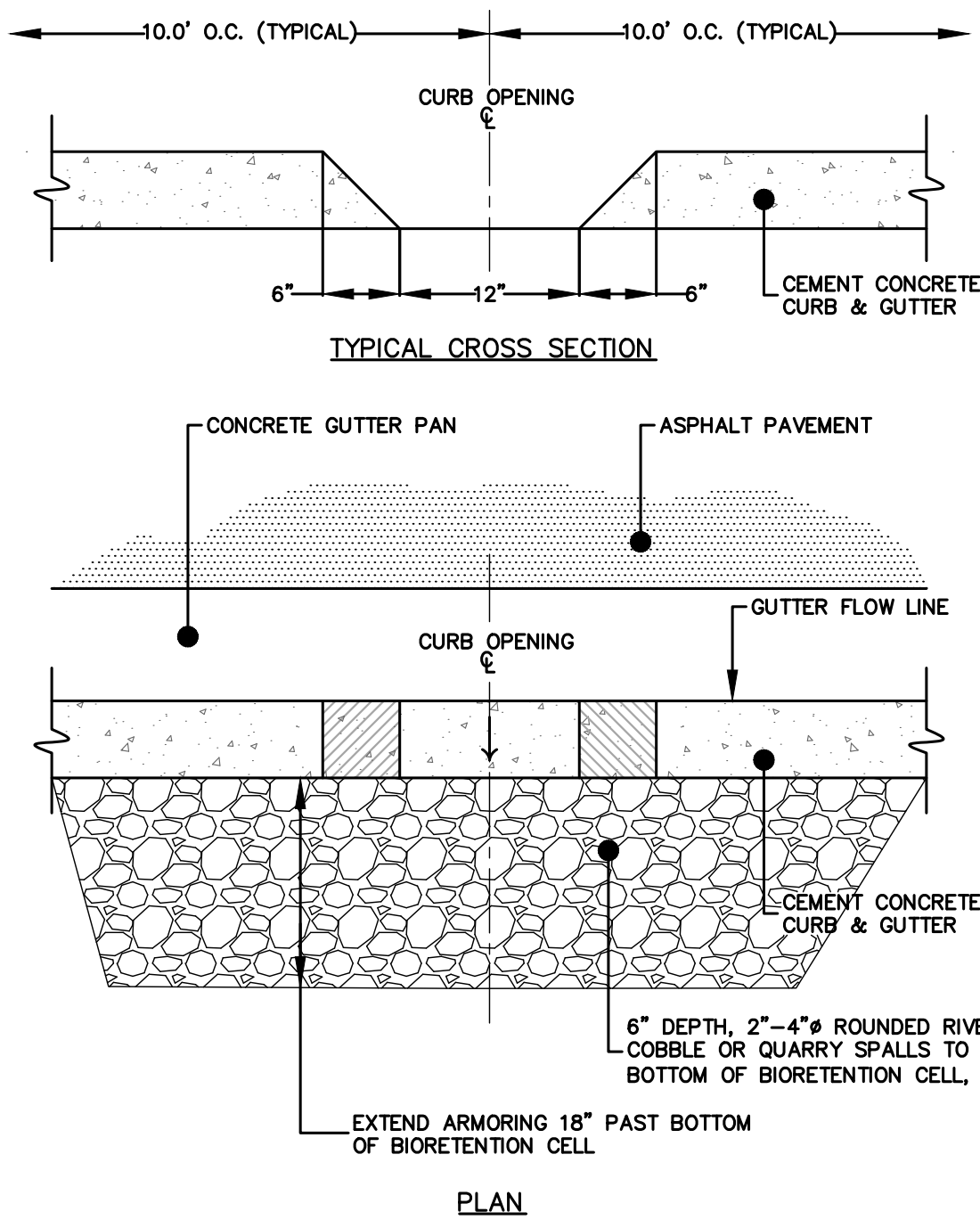


C PAVEMENT SECTIONS
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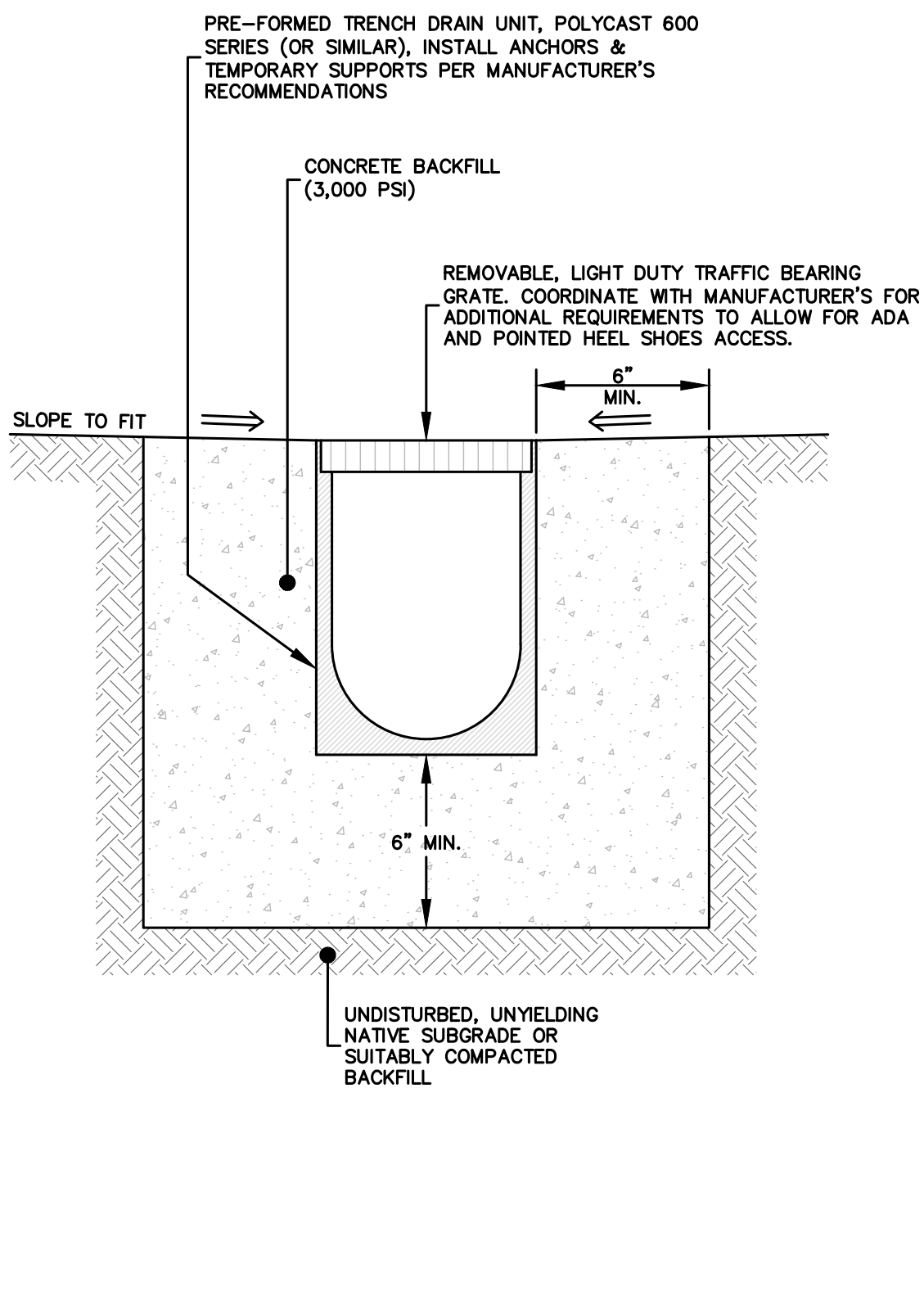
D ROADWAY NOTES
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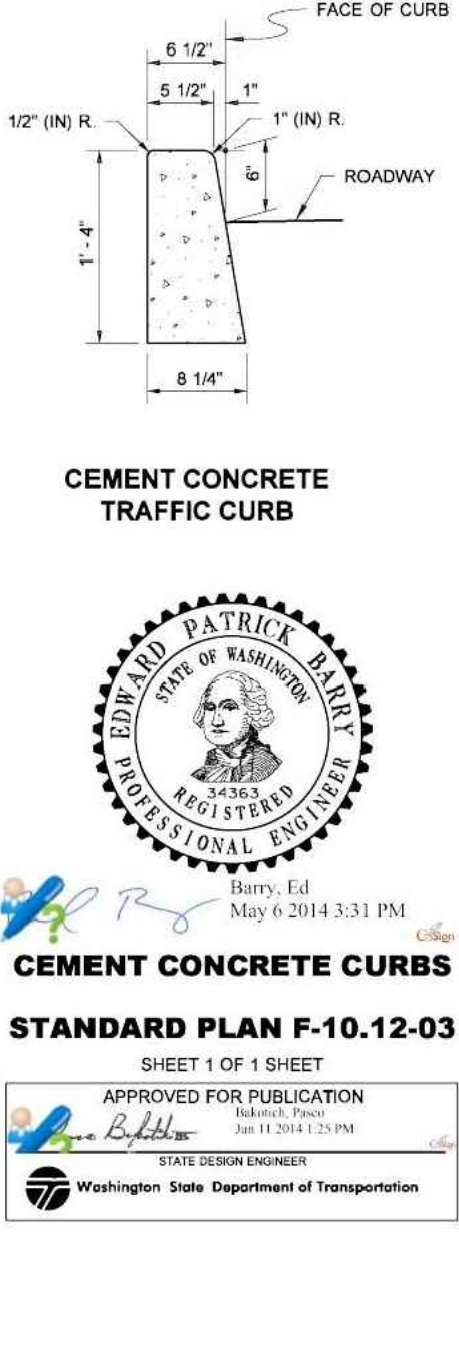
E SIDEWALK
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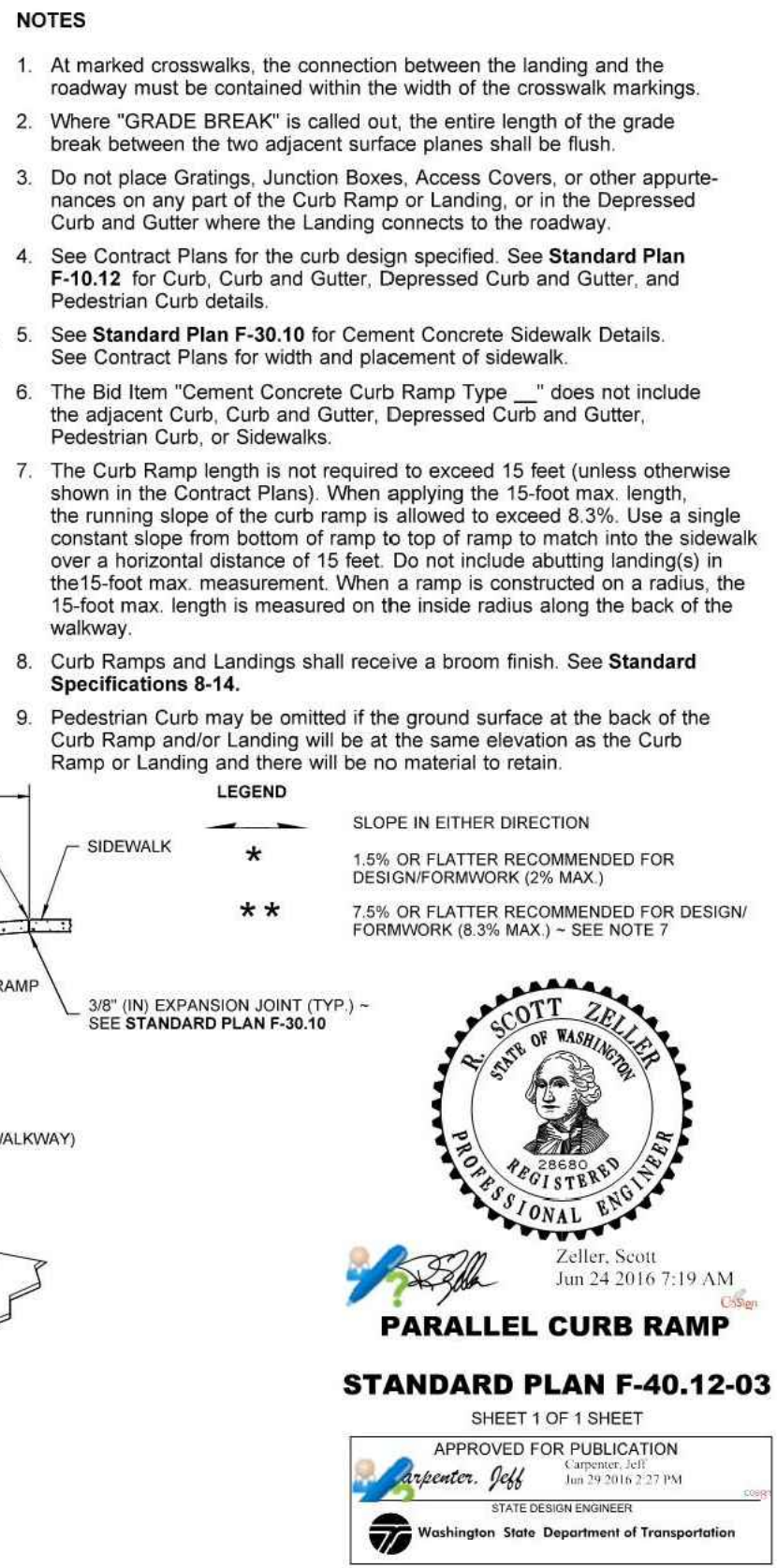
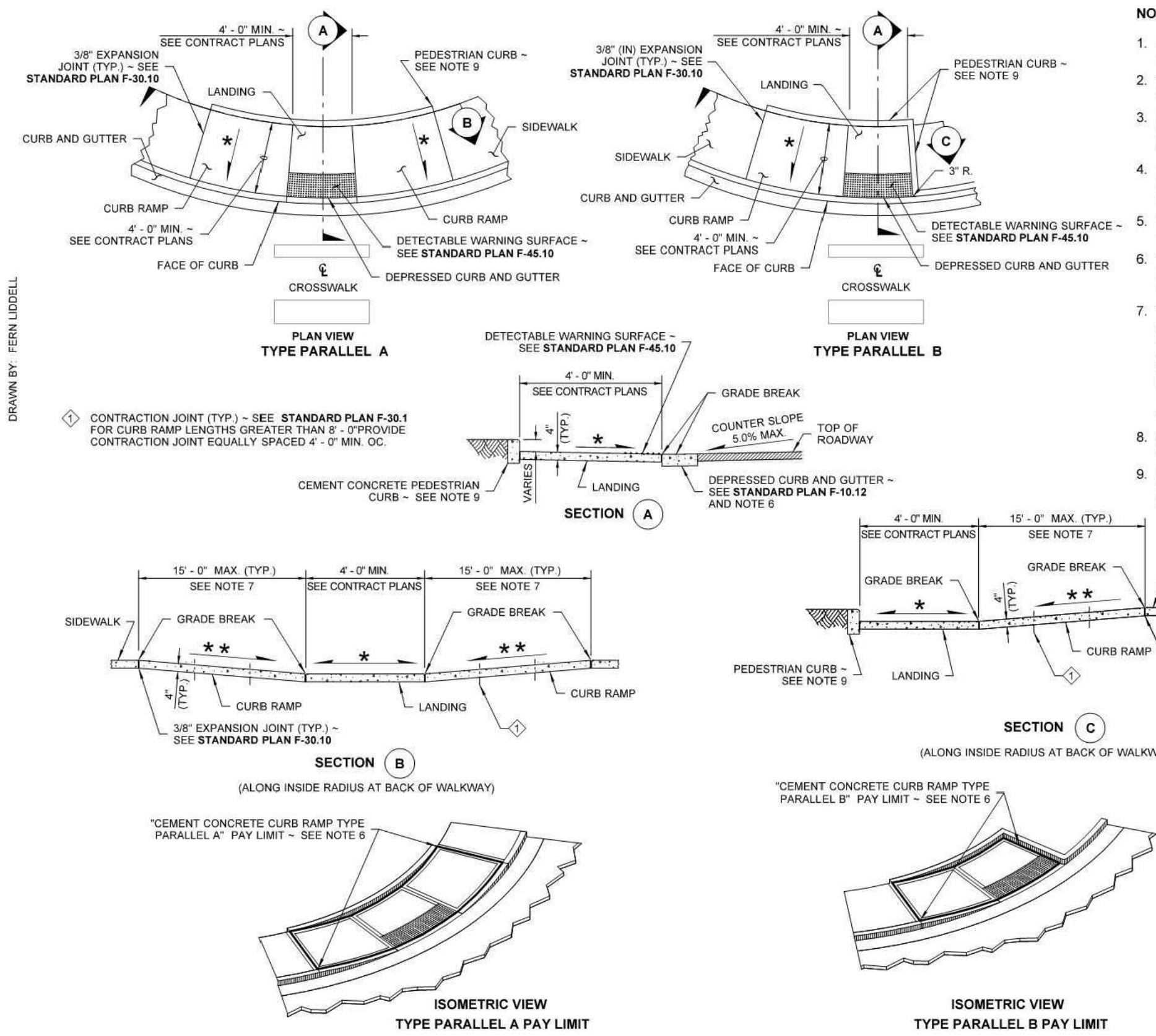
F CONCRETE CURB OPENING
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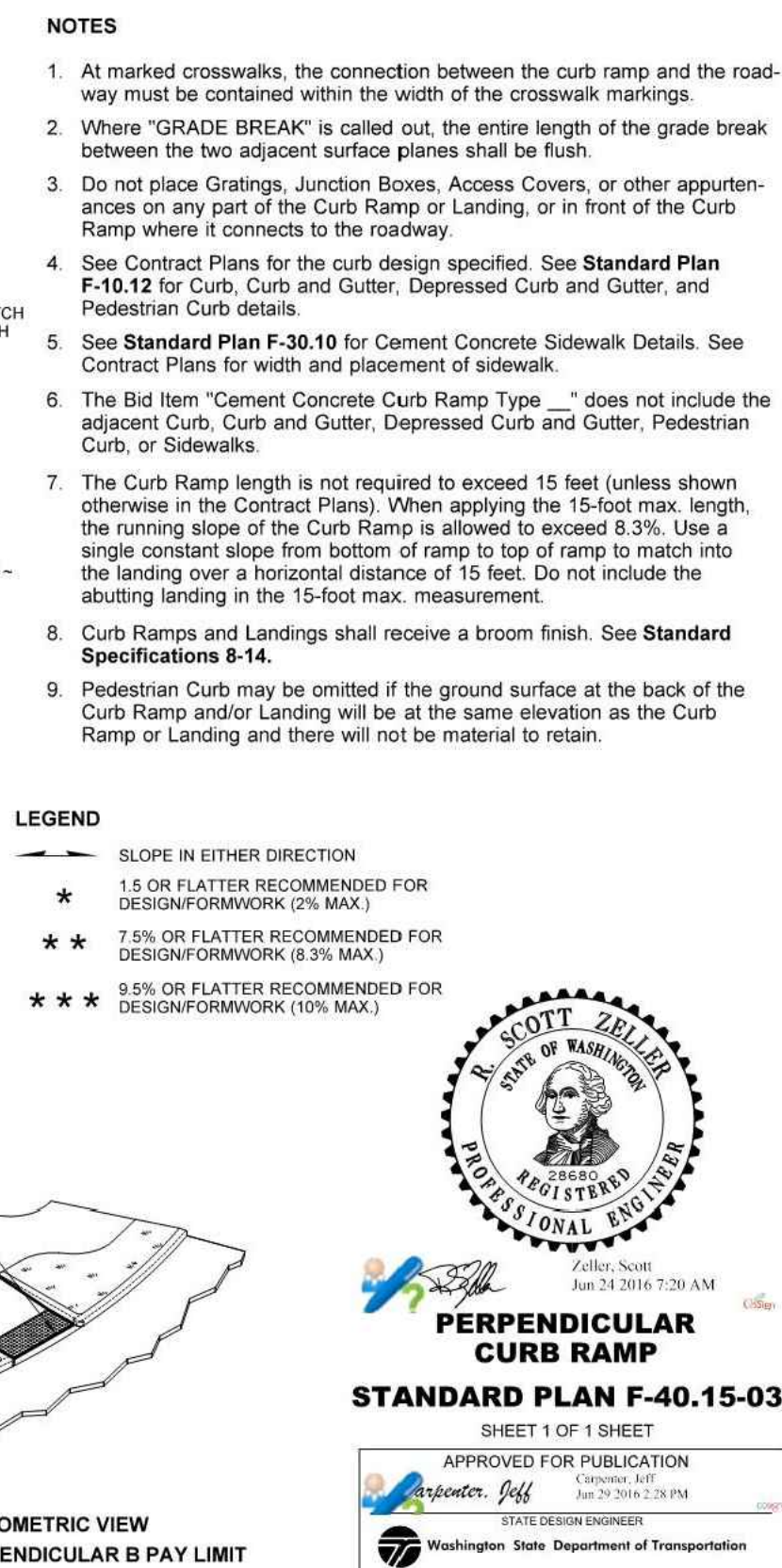
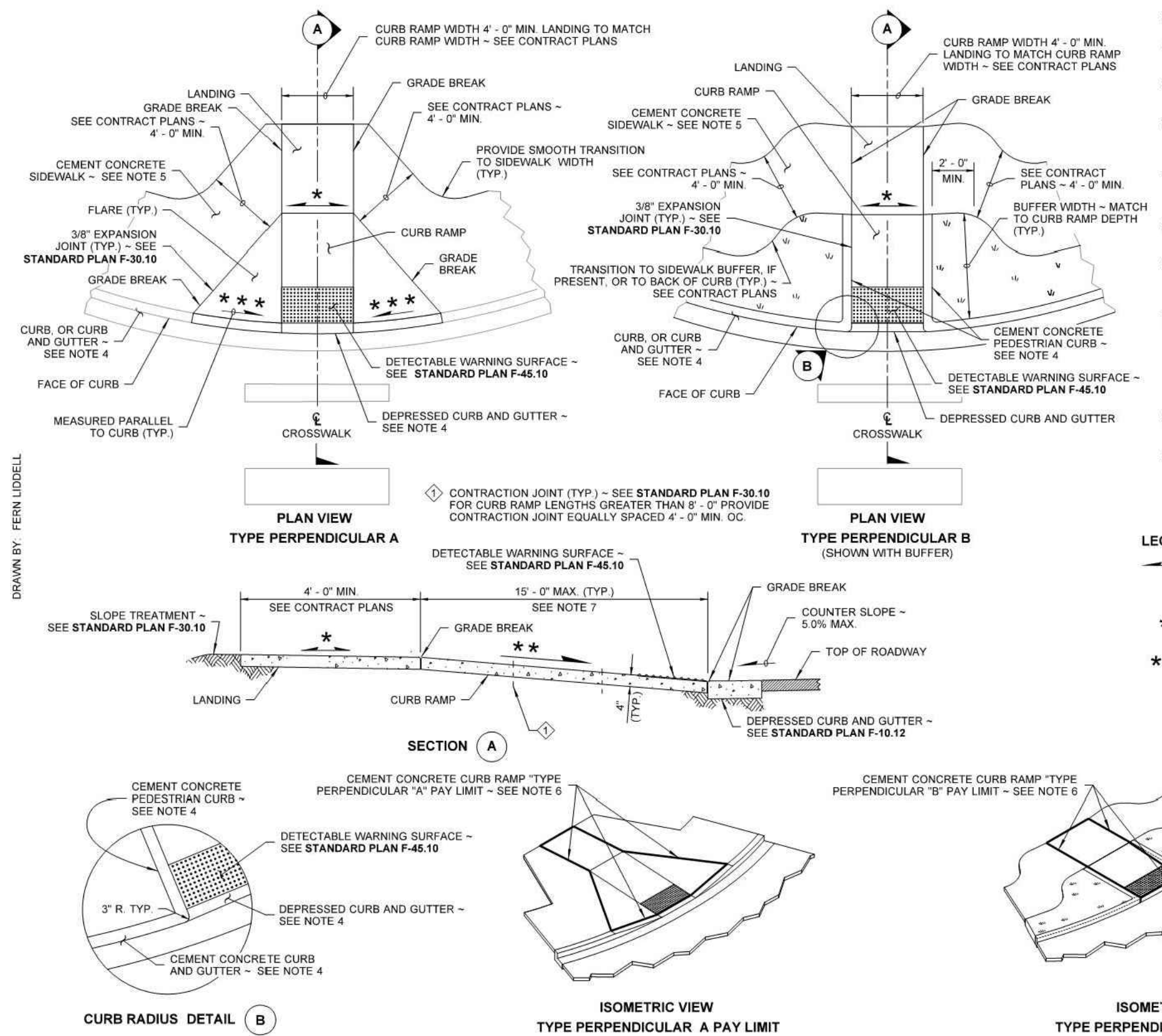
G PRE-FORMED TRENCH DRAIN
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H CEMENT CONCRETE TRAFFIC CURB
nts



B ADA ACCESSIBLE STALL AND ADA SIGN



E BMP T5.13 - SOIL AMENDMENTS

- SEED APPLICATION NOTES:**
1. LAWN/GRASS SEED AREAS SHALL COMPLY WITH BMP T5.13 AND SHALL MEET LANDSCAPE SPECIFICATIONS DEFINED IN "329200 - TURF & GRASSES".
 2. LAWN AREAS SHALL RECEIVE LOW-GROW TURF SEED MIX OR LANDSCAPING SEED MIX. OWNER TO DETERMINE PRIOR TO SEEDING AND BASED ON IRRIGATION SYSTEM COVERAGE AND NON-COVERED AREAS.
 3. DETENTION POND AREAS ARE TO RECEIVE WADCO WET AREA SEED MIX. APPLY WET AREA SEED MIX FROM BOTTOM OF POND TO TOP OF LIVE STORAGE ELEVATION (59.00').
 4. LANDSCAPE SPECIFICATIONS DEFINE RATE OF APPLICATION, HYDRO-SEED MULCH, FERTILIZER, TACKIFIER TYPE, TIME OF YEAR FOR SEEDING, SUB-GRADE AND TOPSOIL PREPARATION, AND MAINTENANCE PERIOD.

1/28/2020 2019SWMMWW - BMP C120: Temporary and Permanent Seeding

2019 Stormwater Management Manual for Western Washington

BMP 120 (no filter)

Redtop or colonial bentsgrass	Agrostis alba or Agrostis tenuis	5	92	85
White Dutch clover	Trifolium repens	5	98	90
Landscaping Seed Mix				
A recommended mix for landscaping seed.				
Perennial ryegrass	Lolium perenne	70	98	90
Chewings and red fescue blend	Festuca rubra var. commutata or Festuca rubra	30	98	90
Low-Growing Turf Seed Mix				
A turf seed mix for dry situations where there is no need for watering. This mix requires very little maintenance.				
Dwarf tall fescue (several varieties)	Festuca arvensis var. arvensis	45	98	90
Dwarf perennial ryegrass (Bardley)	Lolium perenne var. Bardley	30	98	90
Red fescue	Festuca rubra	20	98	90
Colonial bentsgrass	Agrostis tenuis	5	98	90
Bioscience Seed Mix				
A seed mix for bioscience and other intermittently wet areas.				
Tall or meadow fescue	Festuca arvensis or Festuca elatior	75-80	98	90
Seaside/Creeping bentsgrass	Agrostis palustris	10-15	92	85
Redtop bentsgrass	Agrostis alba or Agrostis palustris	5-10	90	80
Wet Area Seed Mix				
A low-growing, relatively non-invasive seed mix appropriate for very wet areas that are not regulated wetlands. Consult Hydrologic Permit Authority (HPA) for seed mix recommendations.				
Tall or meadow fescue	Festuca arvensis or Festuca elatior	60-70	98	90
Seaside/Creeping bentsgrass	Agrostis palustris	10-15	98	85
Meadow fescue	Agrostis palustris	10-15	90	80
Alkali clover	Trifolium hybridum	1-4	98	90
Redtop bentsgrass	Agrostis alba	1-4	92	85
Meadow Seed Mix				
A recommended meadow seed mix for infrequently maintained areas or non-maintained areas where colonization by native plants is desirable. Lush applications include rural road and utility right-of-way. Seeding should take place in September or very early October in order to obtain adequate establishment prior to the winter months. Consider the appropriateness of above a fully invasive species in the mix. Avoiding the soil can reduce the need for above.				
Redtop or Oregon bentsgrass	Agrostis alba or Agrostis arvensis	20	92	85
Red fescue	Festuca rubra	70	98	90
White Dutch clover	Trifolium repens	10	98	90
Roughening and Reticulating				
<ul style="list-style-type: none"> The seedbed should be firm and rough. Roughen all soil no matter what the slope. Track walk slopes before seeding if engineering purposes require compaction. Backfilling or smoothing of slopes greater than 4H:1V is not allowed if they are to be seeded. 				

C BMP C120 - PERMANENT SEEDING

- GENERAL NOTES:**
1. GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR SHALL EXAMINE ALL PLANTING AREAS FOR THE CONDITIONS WHICH WOULD ADVERSELY AFFECT THE LANDSCAPING INSTALLATION AND LONG-TERM HEALTH OF PLANTS AND SOIL. LAWN COMMENCEMENT OF LANDSCAPING (LOOSENING OF SUBGRADE PER SOIL PREPARATION BMP T5.13), TOPSOIL INCORPORATION, PLANTING, HYDRO-SEEDING, AND MULCHING SHALL BE APPROVED BY THE PROJECT LANDSCAPE ARCHITECT PRIOR INITIATING THE LANDSCAPE CONTRACTOR SUBGRADE AND TOPSOIL PREPARATION SCOPE OF WORK. THAT IS, THE SUBGRADE ELEVATION, WHICH IS TO BE SET BY THE EARTHWORK OR GENERAL CONTRACTOR, SHALL BE APPROVED PRIOR TO LANDSCAPE CONTRACTOR COMMENCEMENT OF WORK.
 2. GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR AND LANDSCAPE CONTRACTOR SHALL LOOK FOR REMNANTS OF PUDLE FORMATIONS, LOW SPOTS, OVER COMPACTION FROM CONSTRUCTION EQUIPMENT TRAFFIC, DEAD-END DRAINAGE AREAS WITH NO DRAINAGE SYSTEM INLET, AND UNINCORPORATED LAYERS OF SOIL. EARTHWORK CONTRACTOR OR GENERAL CONTRACTOR SHALL REMEDY PROBLEM AREAS PRIOR TO LOOSENING OF SUBGRADE.
 3. SUBGRADE: LANDSCAPE CONTRACTOR SHALL INSPECT PLANTING AREAS FOR CONDITION (SOIL TEXTURE, COMPACTION, APPROPRIATE SUBGRADE ELEVATION, DEPTH TO HARDPAN, POSITIVE DRAINAGE, CONSTRUCTION MATERIAL & SPOILS, AND NOXIOUS/WEED ROOT FRAGMENTS) PRIOR TO LOOSENING SUBGRADE PER SOIL PREPARATION BMP T5.13. IN AREAS WHERE EXISTING BUILDINGS OR PAVEMENT WERE LOCATED, THE SUBGRADE IS TO BE SET 6" LOWER THAN NOTED IN SOIL PREPARATION BMP T5.13. IN ORDER TO INCREASE THE SUBGRADE PARENT MATERIAL SOIL QUALITY AND QUANTITY.
 4. ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH IS NOT THE SAME AS PRESERVATION OF NATURALLY OCCURRING SOIL AND VEGETATION. HOWEVER, ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH WILL PROVIDE IMPROVED ON-SITE MANAGEMENT OF STORMWATER FLOW AND WATER QUALITY. SOIL ORGANIC MATTER CAN BE ATTAINED THROUGH NUMEROUS MATERIALS SUCH AS COMPOST, COMPOSTED WOODY MATERIAL, BIOSOLIDS, AND FOREST PRODUCT RESIDUALS. IT IS IMPORTANT THAT THE MATERIALS USED TO MEET THE SOIL QUALITY AND DEPTH BMP BE APPROPRIATE AND BENEFICIAL TO THE PLANT COVER TO BE ESTABLISHED. LIKEWISE, IT IS IMPORTANT THAT THE TOPSOILS IMPROVE SOIL CONDITIONS AND DO NOT HAVE AN EXCESSIVE PERCENT OF CLAY FINES. THIS BMP CAN BE CONSIDERED INFEASIBLE ON TILL SOIL SLOPES GREATER THAN 3:1 PERCENT.

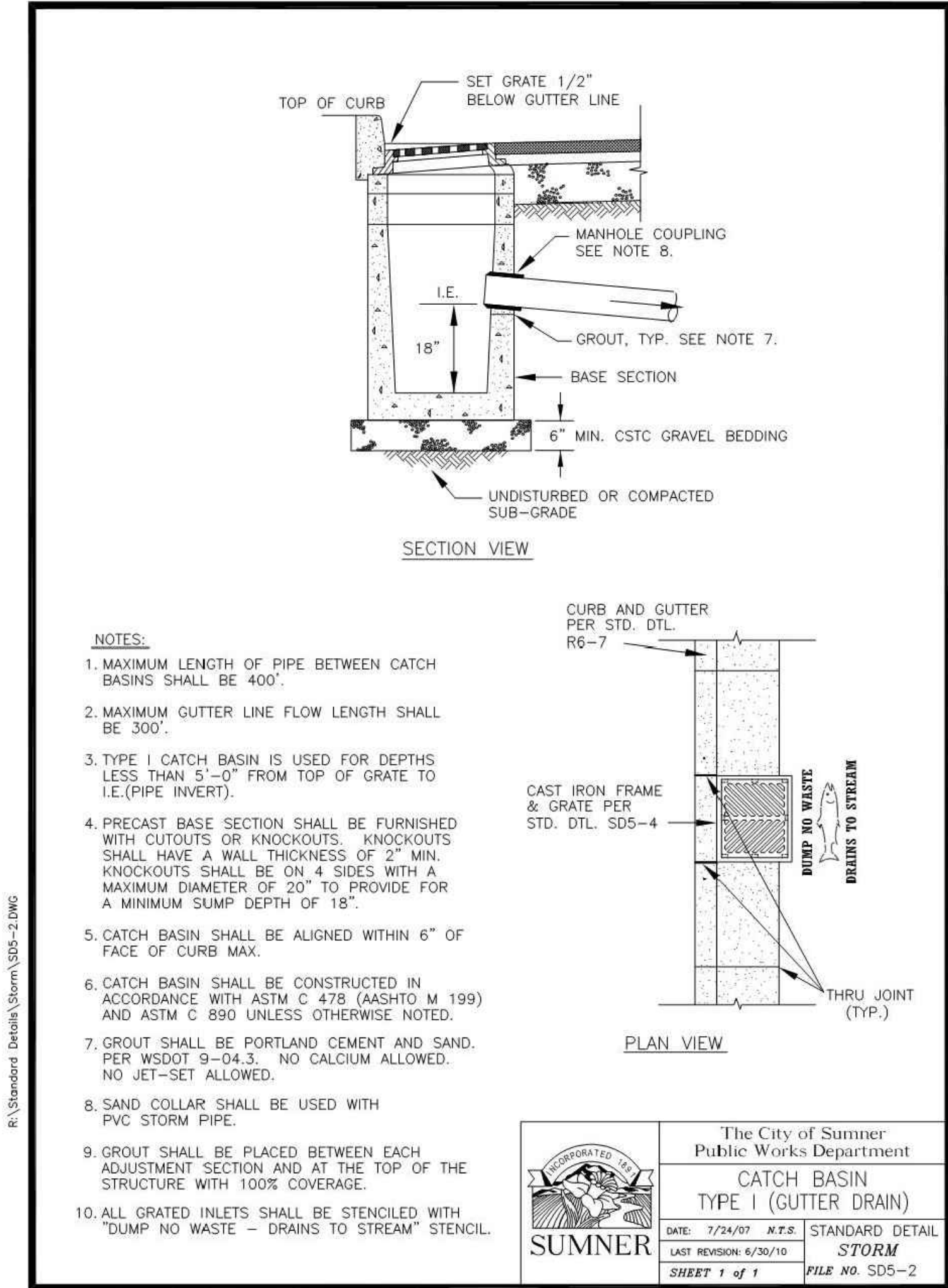
- SOIL QUALITY:** ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE STABIL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:
1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE THREE ROOTS OF PLANTS ARE REQUIRED. THE DEPTH OF AMENDMENTS NEEDED TO MEET THE CRITERIA, SUBSOLLS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
 2. MULCH PLANTING BEDS WITH 3 INCHES OF ORGANIC MATERIAL.
 3. USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:
 - a. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BIORETENTION (BMP T7.30), WITH THE EXCEPTION THAT THE COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
 - b. CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIALS MEETING (A) ABOVE, OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND MEETING THE CONTAMINANT STANDARDS OF GRADE A COMPOST.
- THE RESULTING SOIL SHOULD BE CONDUCE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.

- IMPLEMENTATION OPTIONS:** THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW.
1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
 2. AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT.
 3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.
 4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS.
- MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

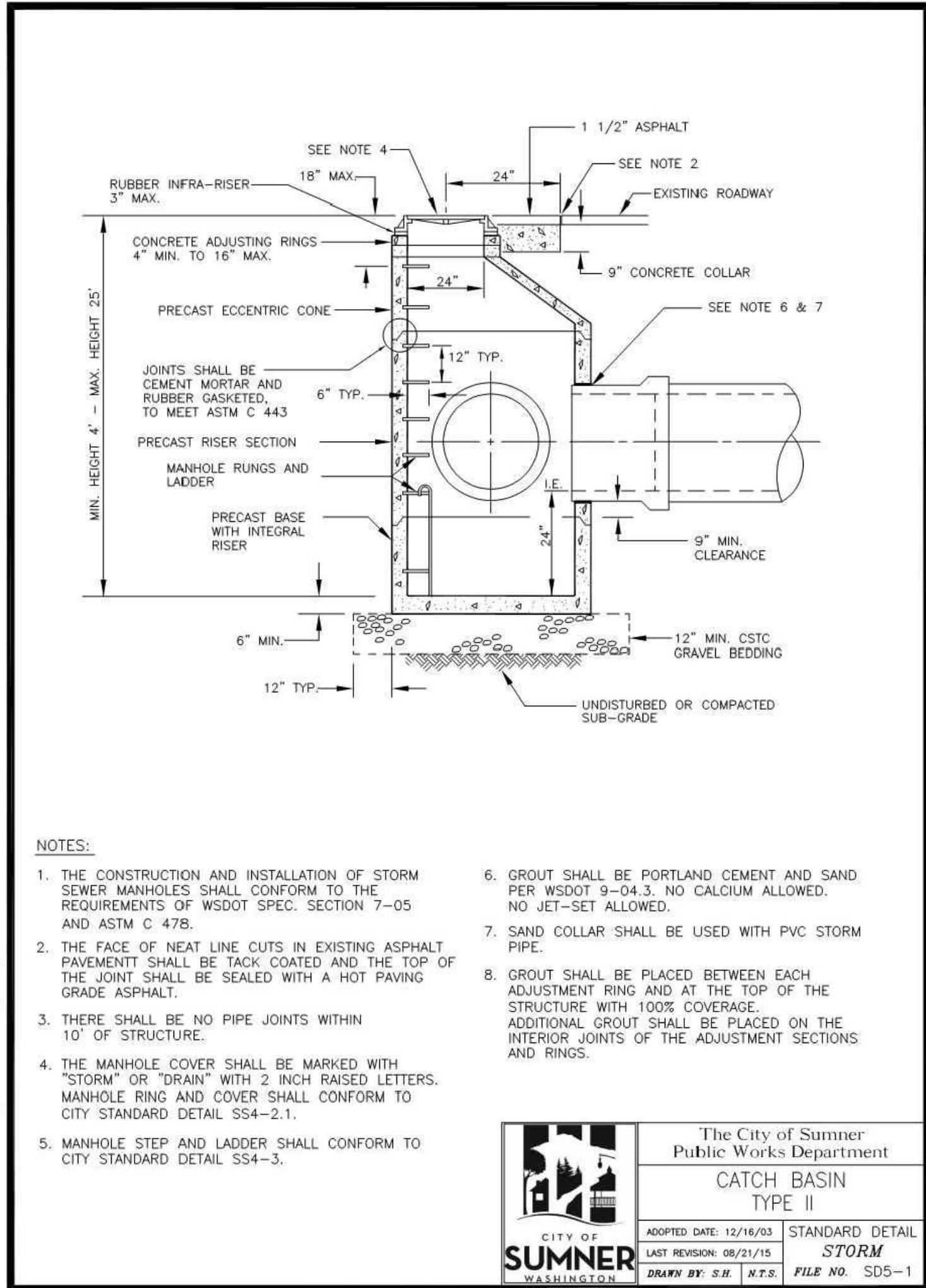
Archdiocese of Seattle
St. Andrew Catholic Church Parish Hall
1401 Valley Avenue East, Sumner, Washington, 98390

PAVING AND
DRAINAGE
DETAILS

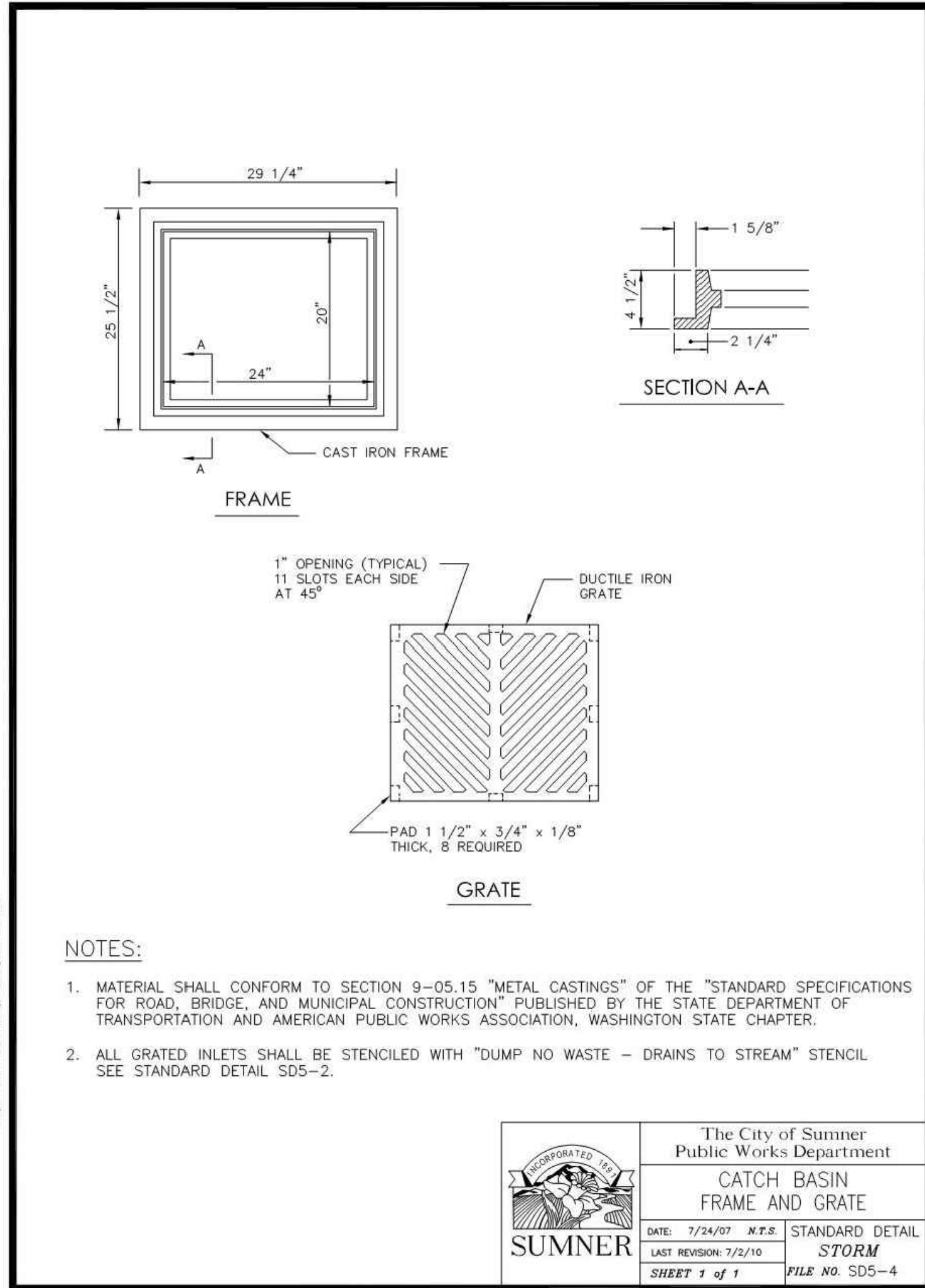
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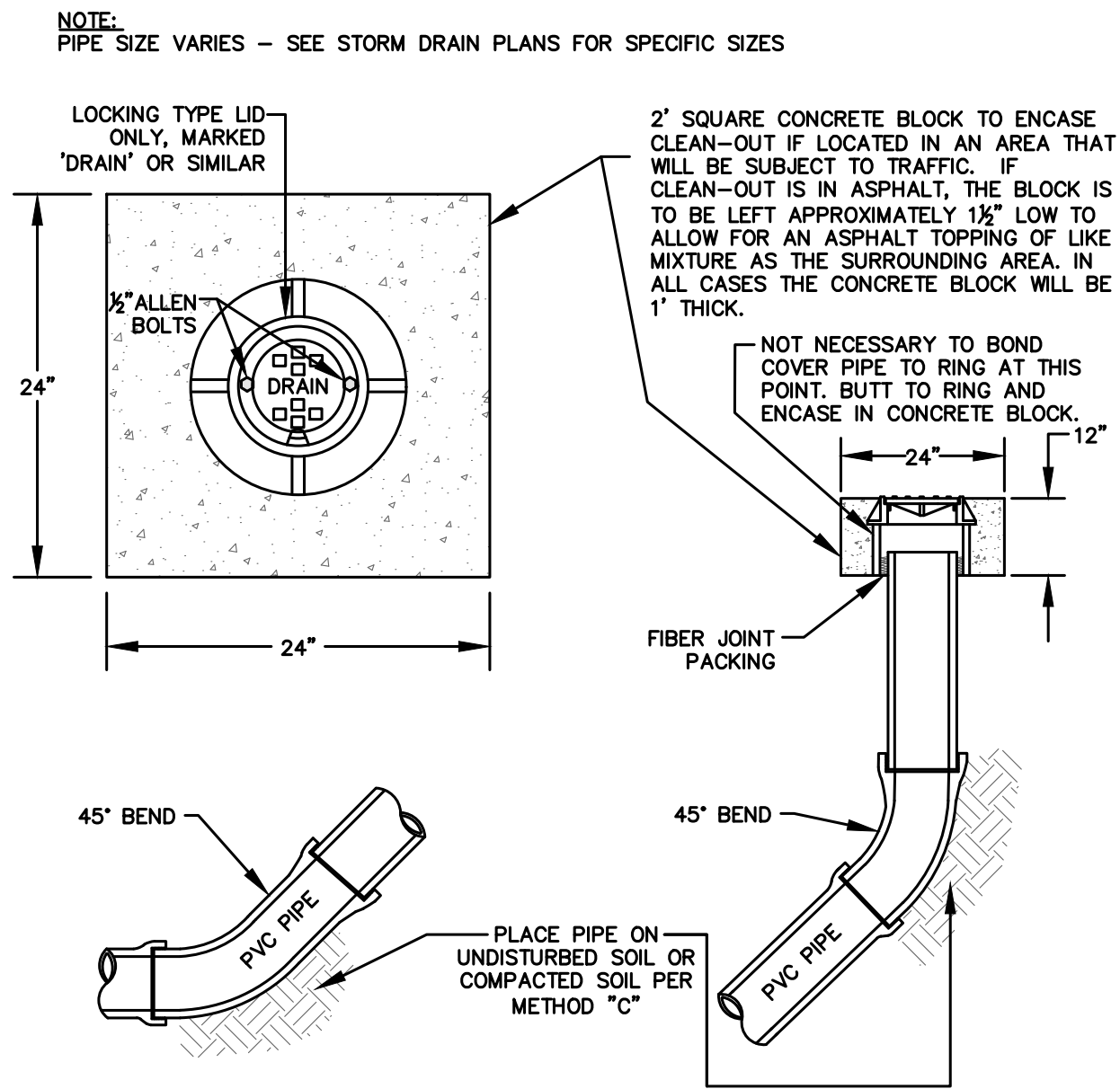
A CATCH BASIN TYPE I (GUTTER PAN)
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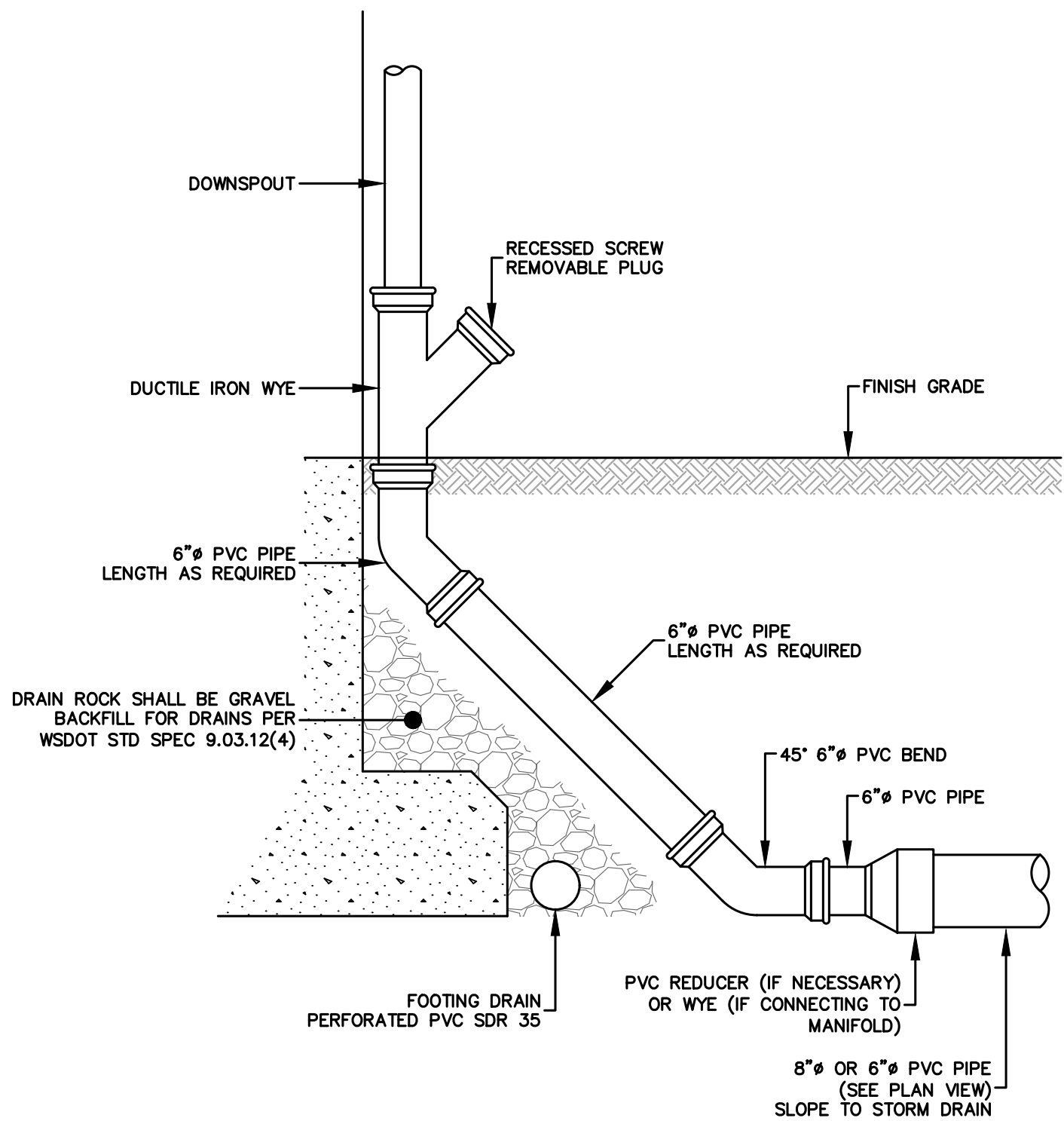
B CATCH BASIN TYPE II
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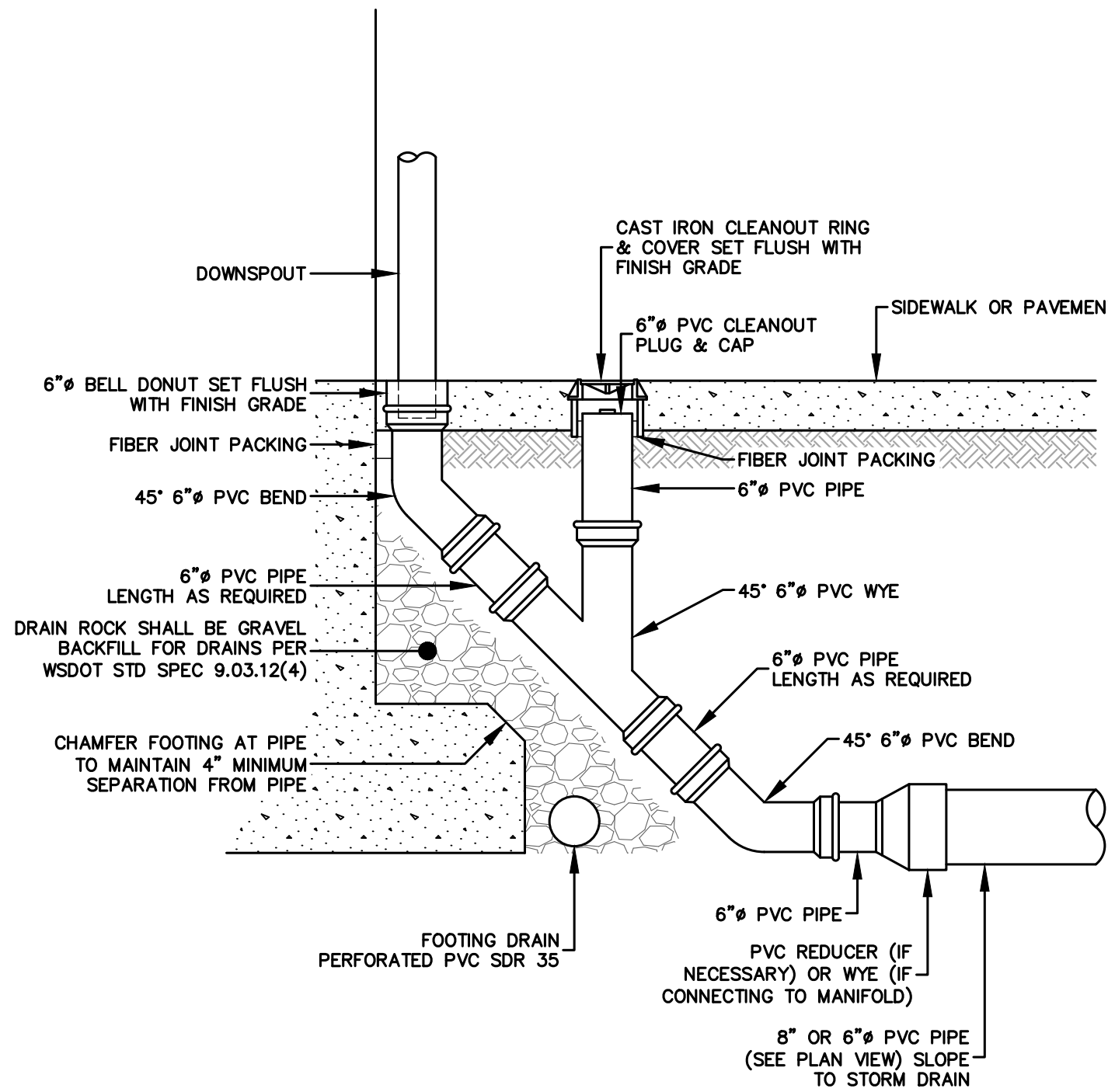
C CATCH BASIN FRAME AND GRATE
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E TYPICAL STORMWATER CLEANOUT
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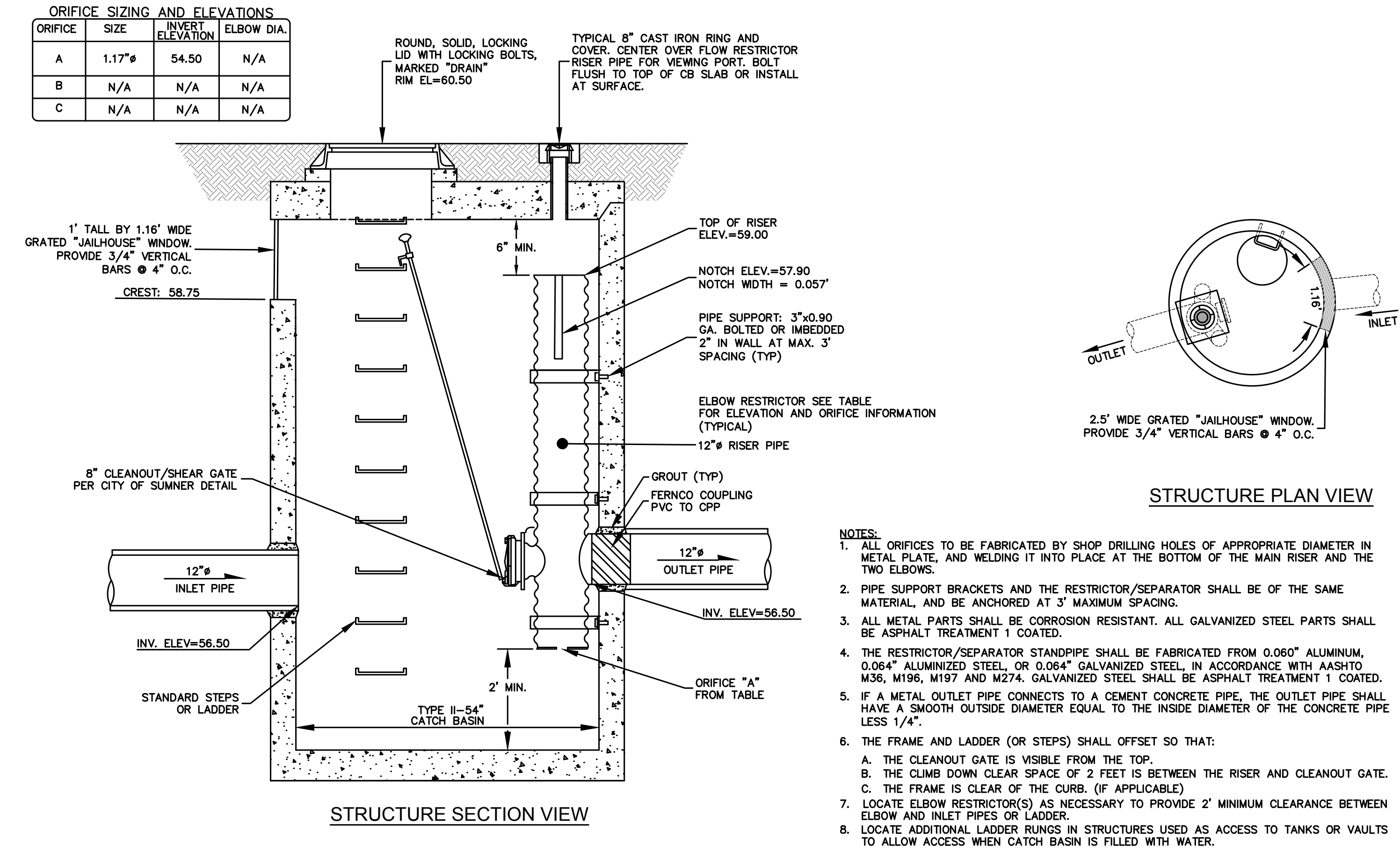
F DOWNSPOUT CLEANOUT IN LANDSCAPING
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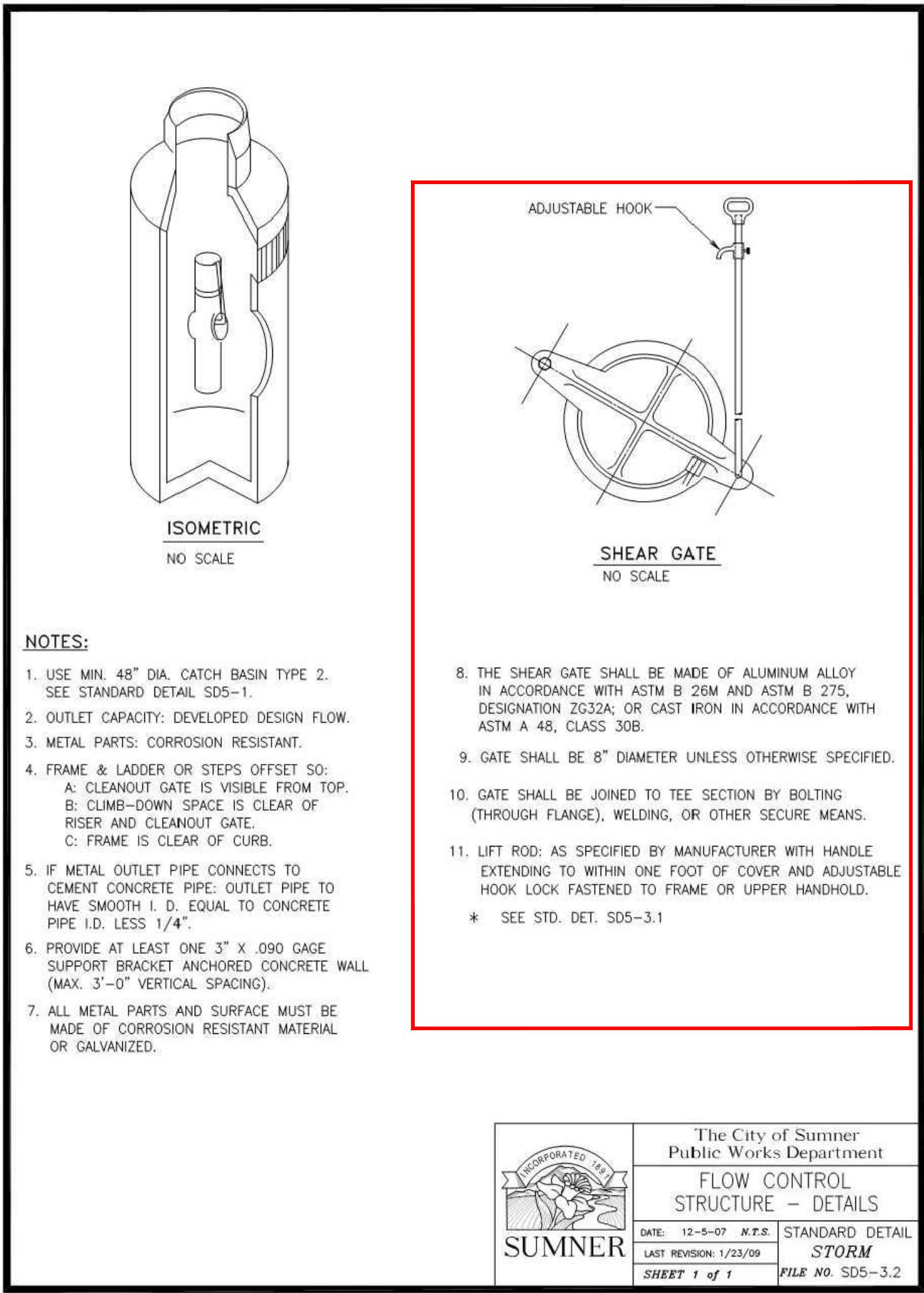
G DOWNSPOUT CLEANOUT IN PAVEMENT
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1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN CONFORMANCE WITH THE CITY OF SUMNER DEVELOPMENT SPECIFICATIONS AND STANDARD DETAILS. THE MOST CURRENT COPY OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, THE ECOLOGY MANUAL, AND THE 2009 KING COUNTY SURFACE WATER DESIGN MANUAL.
2. ALL MANHOLES AND CATCH BASINS SHALL BE COVERED WITH TEMPORARY COVERS TO PREVENT DIRT AND DEBRIS FROM BEING PUSHED INTO THEM DURING CONSTRUCTION.
3. PROVISIONS SHALL BE MADE TO AVOID THE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES ONTO PAVED PUBLIC ROADS. IF SEDIMENT IS DEPOSITED, IT IS TO BE CLEANED EVERY DAY BY SWEEPING.
4. CITY INSPECTION SHALL BE REQUIRED AT THE FOLLOWING STAGES OF CONSTRUCTION:
 - COMPLETION OF FLOW ATTENUATION OR WATER QUALITY STRUCTURES.
 - UPON COMPLETION OF EXCAVATION OF THE DETENTION FACILITIES SUBFOUNDATION AND INSTALLATION OF STRUCTURAL SUPPORTS OR REINFORCEMENT, AS REQUIRED BY THE APPROVED PLANS.
 - DURING PLACEMENT OF STRUCTURAL FILL OR CONCRETE.
 - DURING PIPING AND CATCH BASIN INSTALLATION.
 - DURING BACKFILL OF FOUNDATIONS OR TRENCHES.
 - DURING CONSTRUCTION OF EMBANKMENTS.
 - UPON COMPLETION OF FINAL GRADING AND PERMANENT STABILIZATION.
5. ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF SUMNER SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
6. STORMWATER PIPE BEDDING AND BACKFILL MATERIALS AND PRACTICES SHALL BE IN ACCORDANCE WITH THE CITY OF SUMNER DEVELOPMENT SPECIFICATIONS AND STANDARD DETAILS.
7. ALL STORMWATER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS. ANY DEVIATION FROM THESE PLANS SHALL REQUIRE APPROVAL FROM THE OWNER, ENGINEER OF RECORD, AND THE CITY.
8. NATIVE MATERIAL SHALL NOT BE ALLOWED FOR BACKFILL UNLESS IT CONFORMS TO THE CITY OF SUMNER BACKFILL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LABORATORY ANALYSIS AND ASSOCIATED COSTS REQUIRED TO VERIFY CONFORMANCE.
9. THE CONTRACTOR SHALL ADJUST ALL CATCH BASIN RIMS FLUSH WITH FINAL GRADE.
10. THE CONTRACTOR SHALL PROVIDE A MINIMUM 3'-FOOT-HORIZONTAL AND 0.5'-FOOT-VERTICAL SEPARATION BETWEEN STORM LINES AND ALL OTHER UTILITIES.
11. ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT SECTION 7-08. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDDING TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE, UNYIELDING BASE.
12. ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK SHALL HAVE SOLID LOOKING LIDS.
13. ALL DRIVEWAY CULVERTS LOCATED WITHIN CITY OF SUMNER RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS TO MATCH THE SIDE SLOPE, AND SHALL BE INSTALLED WITH A TRASH RACK ON THE UPSTREAM END.
14. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1 FOOT.
15. STORM STUB-OUTS SHALL BE PROVIDED FOR EACH INDIVIDUAL LOT. STUB-OUTS ON EACH LOT SHALL BE LOCATED WITH A 5'-FOOT-HIGH, 2-INCH BY 4-INCH STAKE MARKED "STORM" OR "DRAIN". THE STUB-OUT SHALL EXTEND ABOVE SURFACE LEVEL, BE VISIBLE, AND BE SECURED TO THE STAKE.

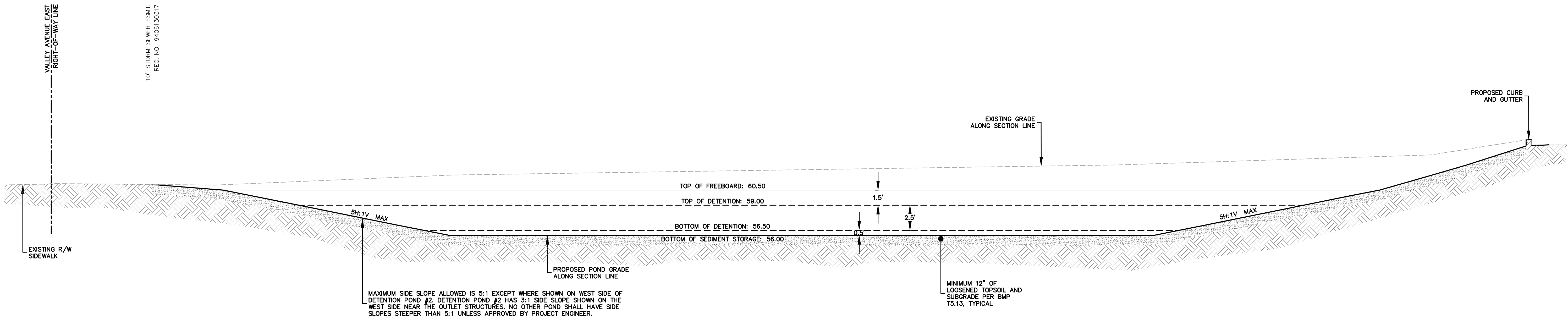
D STORMWATER SITE PLAN NOTES
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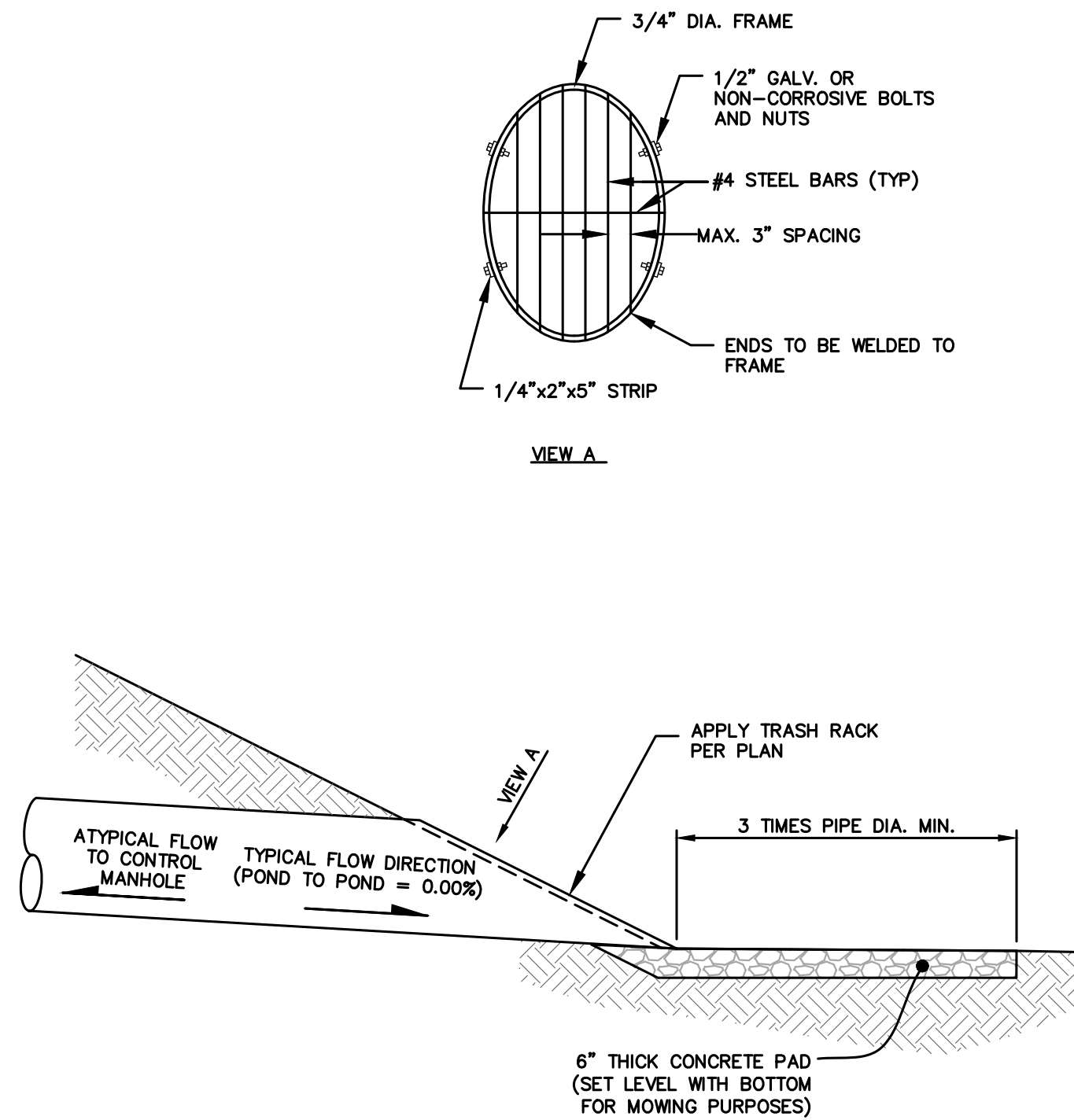
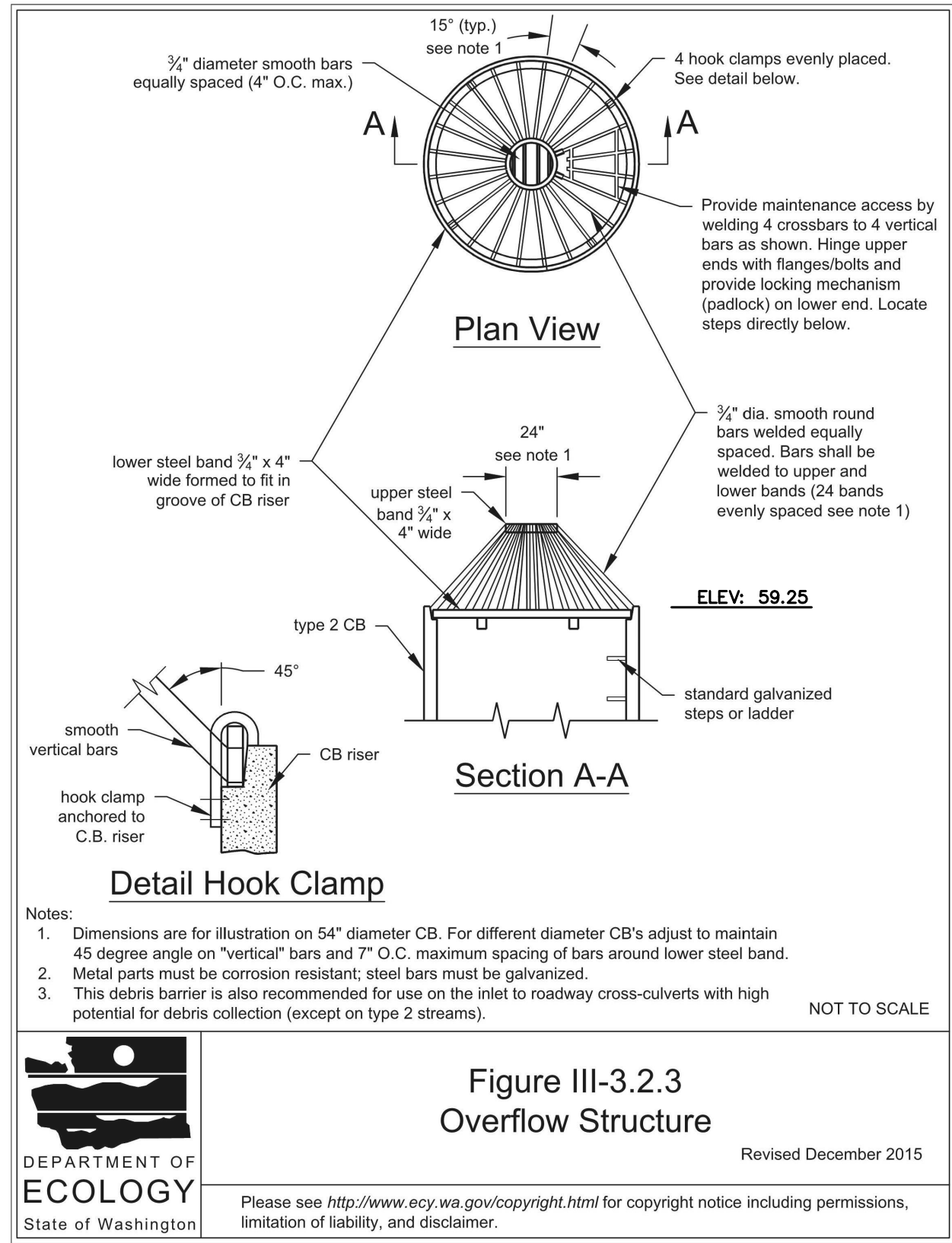
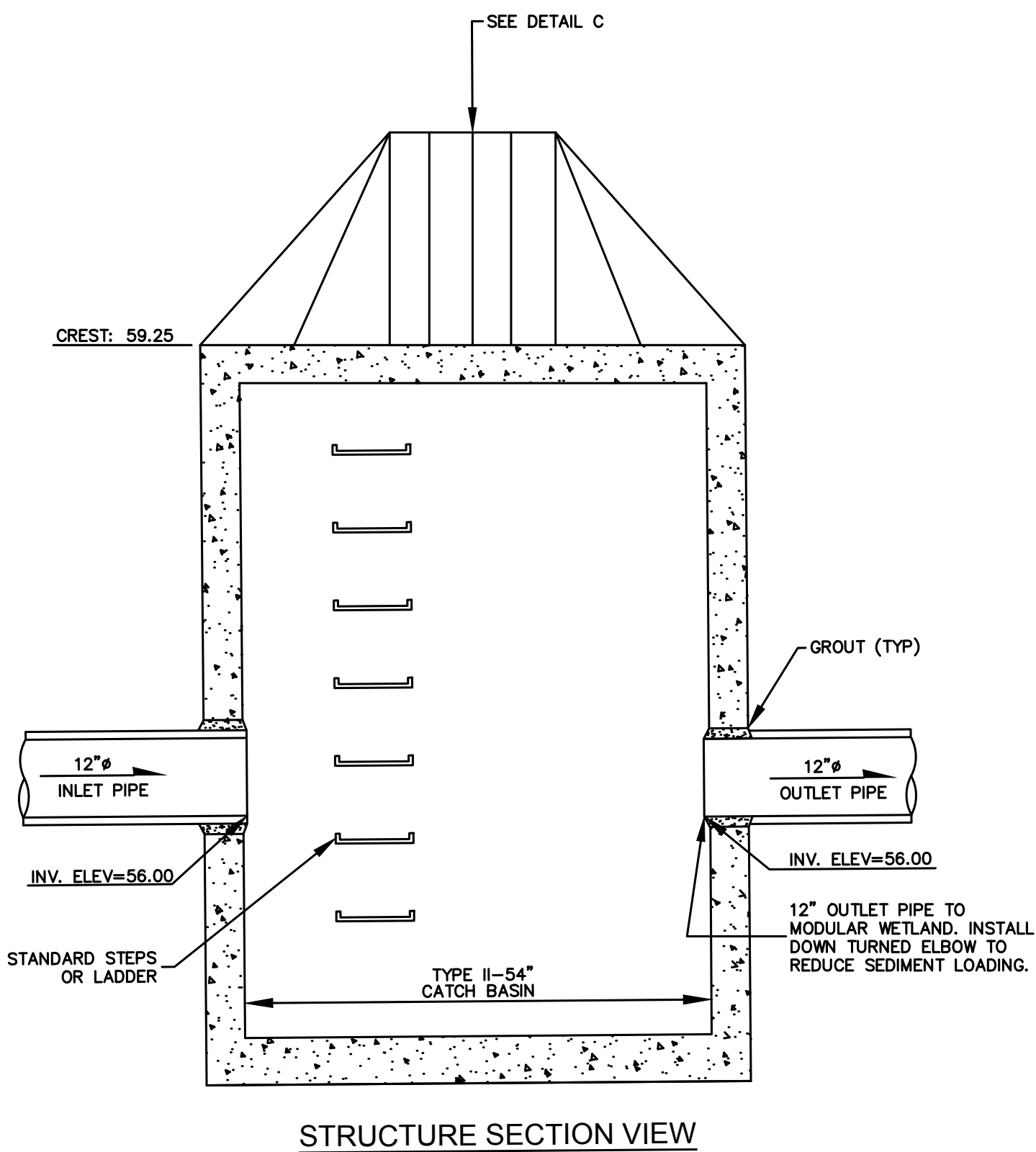


A FLOW CONTROL RESTRICTOR MANHOLE DETAIL
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B FLOW CONTROL STURCTURE
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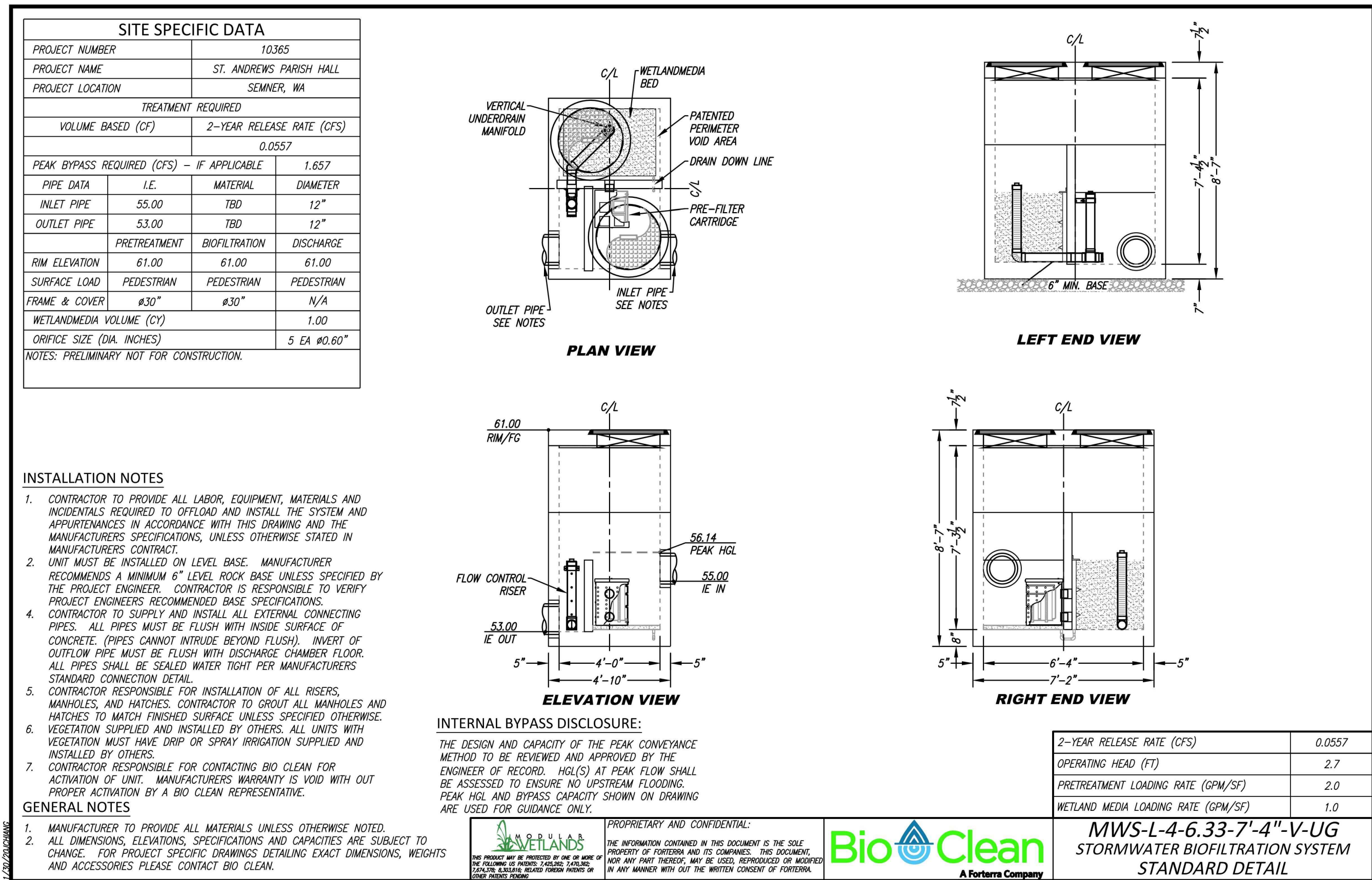




A EMERGENCY OVERFLOW STRUCTURE

B PERMANENT EMERGENCY OVERFLOW

C POND OUTLET DETAIL



- INSTALLATION NOTES**
- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
 - UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
 - CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATER TIGHT PER MANUFACTURERS STANDARD CONNECTION DETAIL.
 - CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
 - VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
 - CONTRACTOR RESPONSIBLE FOR CONTACTING BIO CLEAN FOR ACTIVATION OF UNIT. MANUFACTURERS WARRANTY IS VOID WITH OUT PROPER ACTIVATION BY A BIO CLEAN REPRESENTATIVE.
- GENERAL NOTES**
- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAIL EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT BIO CLEAN.

D MODULAR WETLAND SYSTEM

-

E VALVE DETAIL

-
- INSTALL LINK-SEAL
- COORDINATE W/
SPRINKLER CONTRACTOR
FOR LOCATION
- 6" FLANGE
- MAINTAIN 2" MIN. SEPARATION
BETWEEN FIREMAIN & SLAB
AROUND ENTIRETY OF PIPE
CIRCUMFERENCE.
(INSTALL LINK-SEAL)
- MINIMIZE SAWCUT AND REPAIR
TOP CONCRETE SLAB AS
REQUIRED.
- 48" COVER
(MINIMUM)
- PIPE BEDDING SHALL BE
PER CITY OF SUMNER
STANDARDS
- 6" 90° BEND (R₁xR₂)
MEGALUG RESTRAINTS
- BUILDING SLAB OVER
STRUCTURAL FILL OR
SUITABLE SUB-GRADE
- 6" DUCTILE IRON FIREMAIN W/FIELD
LOK GASKETS. CONTRACTOR TO
COORDINATE ROUTE THROUGH
BUILDING TO WALL MOUNT FDC

F PIPE SPECIFICATIONS

-
- Diagram illustrating the installation of fire apparatus road piping, showing the connection between the building and the fire department connection piping. The diagram includes a vertical section of the building wall and a horizontal section of the piping. A horizontal line indicates the ground level. The piping is shown with various components labeled with numbers 1 through 9.
1. 20-degree elbow
 2. 3/2-inch approved building identification oriented toward fire apparatus road
 3. Block numbers/letters on yellow
 4. White numbers/letters on red
 5. White numbers/letters on green
 6. Schedule 40 pointed galvanized-pipe Rustoleum Red - fire sprinkler only
 7. Rustoleum Yellow - sprinkler & standpipe
 8. Rustoleum Green - standpipe
 9. Coated or wrapped buried pipe pursuant to NFPA #24
 10. Thrust block or mechanical restraint pursuant to NFPA #24
 11. Gravel drain field to be sized to adequately accommodate drainage from automatic ball drip
 12. Automatic ball drip drain valve located at lowest point in piping
 13. Piping continues into building below footing and up through floor. No valves may be located in the department connection piping.

G FIELD LOK 350 GASKET
nts

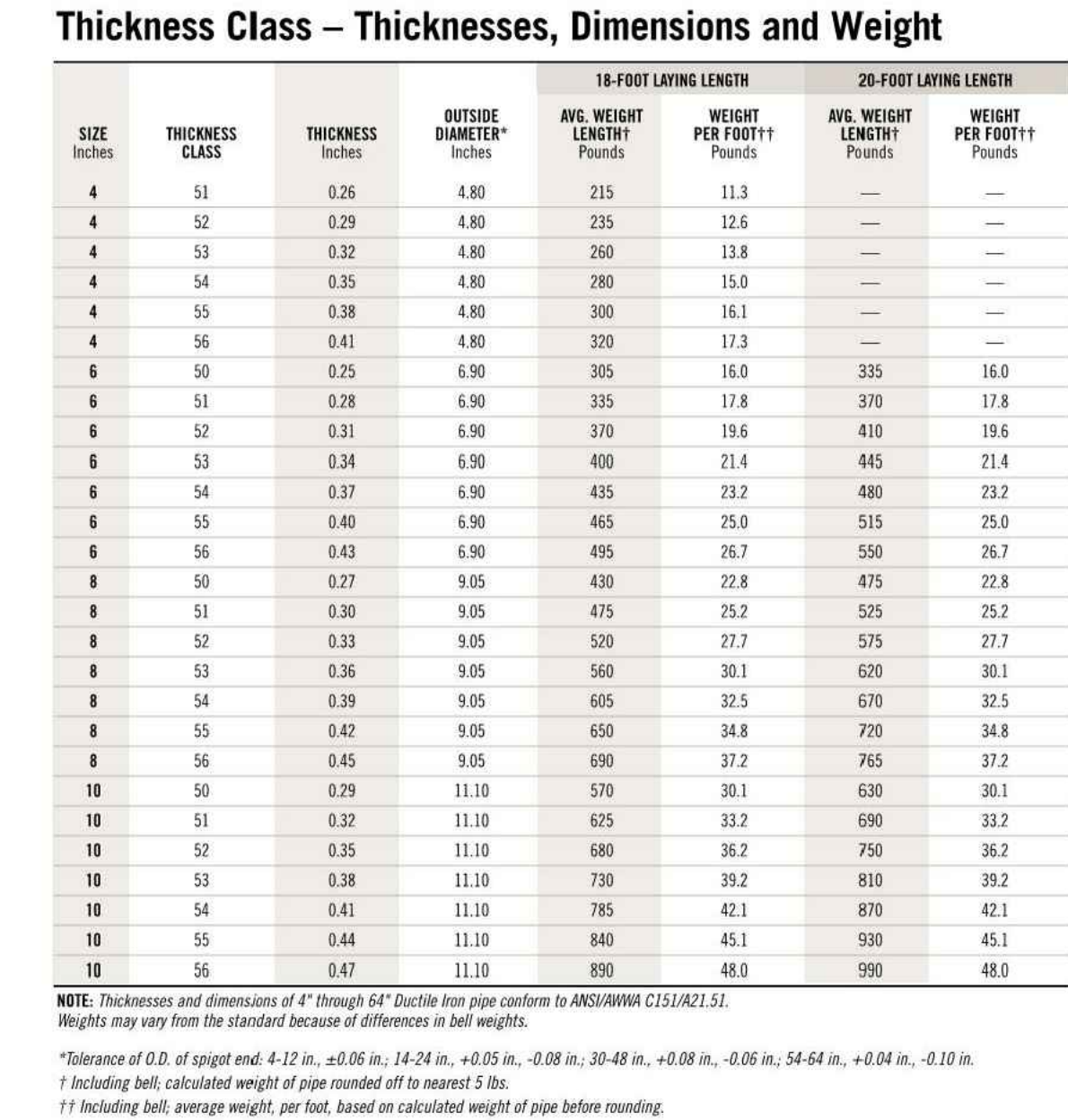
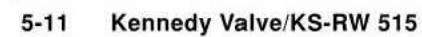
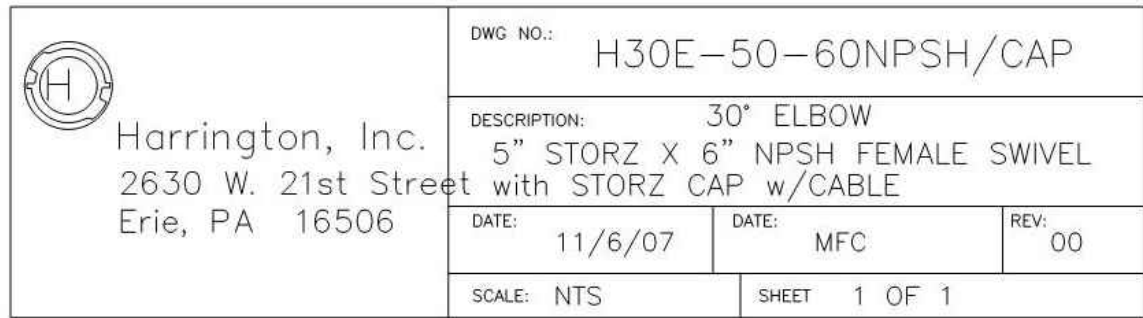


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