

<u>SITE INFORMATION</u>

LB STONE PROPERTIES #3403 LLC PO BOX 3949 SPOKANE, WA 99220-3949

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PROJECT ADDRESS:
3403 E. FERRY AVE. SPOKANE, WA 99202 PARCEL NUMBER: 35153.1416

PAGE SUMMARY

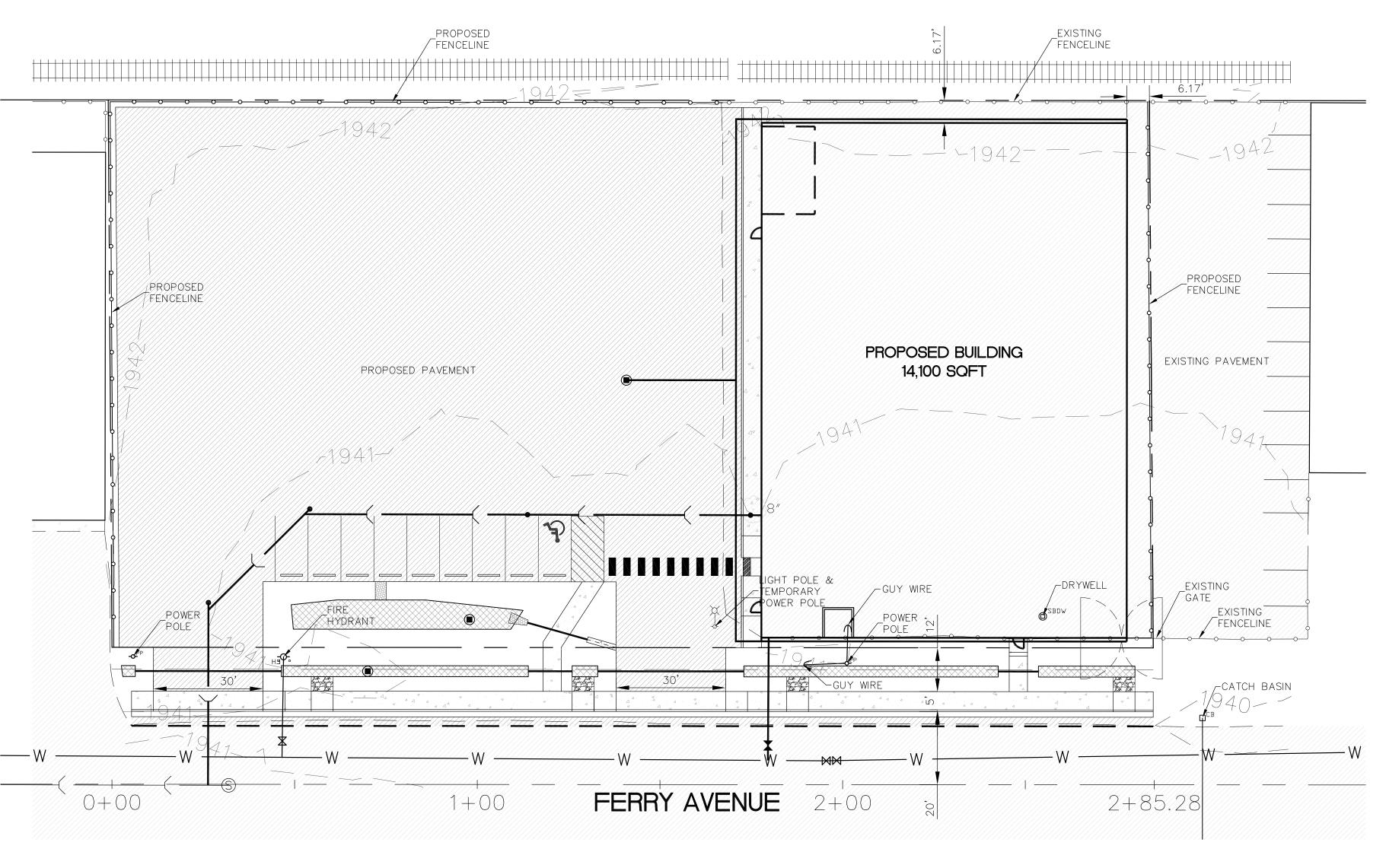
C1.0 - COVER SHEET/SITE PLAN C1.1 - TEMPORARY EROSION AND SEDIMENT CONTROL PLAN C1.2 - STROMWATER DRAINAGE & GRADING PLAN

C1.3 - UTILITIES PLAN ST1.0- FERRY AVENUE PLAN

E. FERRY WAREHOUSE

IN A PORTION OF THE SW 1/4 OF SEC.15 T25N, R43 EWM 3403 E. FERRY AVENUE CITY OF SPOKANE, WASHINGTON

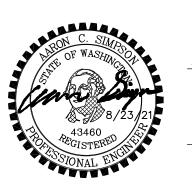
OLIVIA AVENUE



8/16 APPROVED ACS

ENGINEER'S CERTIFICATION

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS CONFORM TO THE APPLICABLE EDITIONS OF THE CITY OF SPOKANE STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND 2008 REGIONAL STORMWATER MANUAL. I APPROVE THESE PLANS FOR CONSTRUCTION.



REVISIONS

DEVELOPER DATE

AS BUILT

EXACT LOCATIONS, SIZES AND DEPTHS OF UNDERGROUND UTILITIES ARE NOT KNOWN. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO "CALL BEFORE YOU DIG 456-8000", AND SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES BEFORE DIGGING AND TO COORDINATE AND

DATE PROJ. FROM

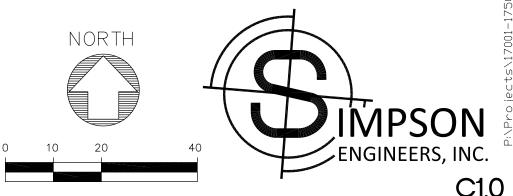


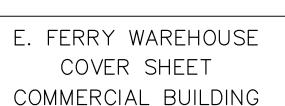
ELEVATIONS ARE TO NAVD88 DATUM SW 1/4 SEC. 15, T.25, R.43 E.W.M.

CITY OF SPOKANE, WASHINGTON DEPARTMENT OF ENGINEERING SERVICES

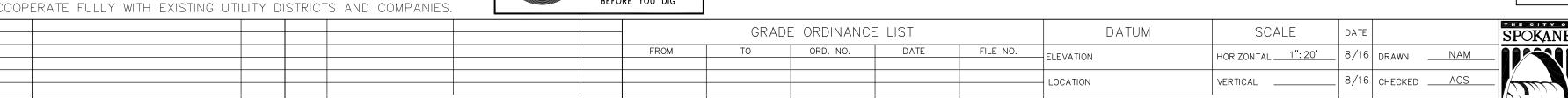
CONSTRUCTION NOTES

- 1. ALL STREET AND DRAINAGE WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "CITY OF SPOKANE SUPPLEMENTAL SPECIFICATIONS", AS AMENDED, AND PER THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (W.S.D.O.T.) AND BY THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
- 2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD, DRAINAGE AND UTILITY FACILITIES. CONTRACTOR SHALL COORDINATED WITH UTILITY COMPANIES FOR RELOCATION OF POWER POLES, LIGHTS, TELEPHONE AND/OR OTHER UTILITIES THAT MAY CONFLICT WITH CONSTRUCTION.
- 3. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. CONTRACTOR SHALL ALSO MAINTAIN ON THE SITE A COMPLETE SET OF RED LINE RECORD DRAWINGS INDICATING ALL CHANGES FROM THE APPROVED AND BID DRAWINGS.
- 4. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER.
- 5. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 "CALL BEFORE YOU DIG."
- 6. ALL CONSTRUCTION SHALL BE COORDINATED WITH THE CITY OF SPOKANE WHO WILL PROVIDE INSPECTION FOR THEIR FACILITIES, INFRASTRUCTURE AND STORMWATER FACILITIES.
- 7. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ADJACENT EXISTING PROPERTIES OR IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY AREAS DISTURBED BY HIS ACTIVITIES.
- 8. THE CONTRACTOR SHALL PROVIDE A TRENCH EXCAVATION SAFETY SYSTEM, PER CHAPTER 39.04 RCW, MEETING THE PROVISIONS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW FOR ALL TRENCHES IN EXCESS OF FOUR (4) FEET DEEP. NEITHER THE ENGINEER NOR THE OWNER WILL REVIEW, APPROVE OR HAVE ANY LIABILITY FOR THE ADEQUACY OF THE CONTRACTOR'S TRENCH EXCAVATION SAFETY SYSTEM.
- 9. SITE EXCAVATION SHALL CONFORM TO SECTION 2-03 OF THE W.S.D.O.T. STANDARD SPECIFICATIONS. EMBANKMENTS TO BE CONSTRUCTED ACCORDING TO THE APPLICABLE PARAGRAPHS OF SECTION 2-03 OF THE W.S.D.O.T. STANDARD SPECIFICATIONS. EARTH EMBANKMENTS TO BE CONSTRUCTED USING METHOD B OF 2-03.3(14)C.
- 10. ALL FILL AREAS OUTSIDE OF EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 8" LIFTS TO 92% OF MAXIMUM ASTM D 1557 DRY DENSITY. PAVEMENT SUBGRADE SHALL BE COMPACTED TO 95%.
- 11. MARKING TAPE SHALL BE INSTALLED IN EXCAVATION TRENCH AT MID DEPTH LOCATION FOR ALL UNDERGROUND UTILITIES FOR THE PURPOSE OF ALERTING ANY FUTURE EXCAVATION IN THE SPECIFIC AREA.
- 12. STORMWATER FACILITIES, INCLUDING DRYWELLS, CB'S, PIPES, AND INFILTRATION GALLERIES, MUST BE CDONSTRUCTED UNDER THE SUPERVISION OF THE WASTEWATER MANAGEMENT DIVISION. STORMWATER TREATEMENT FACILITIES (SWALE) SHALL BE INSPECTED PRIOR TO PLACEMENT OF TOPSOIL, PLANTINGS, OR GRASS. THE CONTRACTOR SHALL CONTACT THE WASTEWATER MAINTENANCE DIVISION OFFICE AT (509) 625-7905 OR (509) 625-7912 IN ORDER TO ARRANGE A MUTUALLY AGREEABLE INSPECTION SCHEDULE.
- 13. PRIOR TO BACKFILL, ALL MAINS AND APPURTENANCES SHALL BE INSPECTED AND APPROVED BY THE CITY OF SPOKANE CONSTRUCTION INSPECTOR.
- 14. ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF SPOKANE SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- 15. UTILITY SEPARATIONS, INCLUDING WATER AND SEWER OR STORM CROSSINGS, SHALL BE IN ACCORDANCE WITH CITY OF SPOKANE STANDARD PLANS W-110, W-111, AND W-113.





	C1.0
TYPE OF IMPROVEMEN	T: COVER
PROJECT NUMBER	PLAN NUMBER
	1 OF 5 15-25-43



E. FERRY WAREHOUSE

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

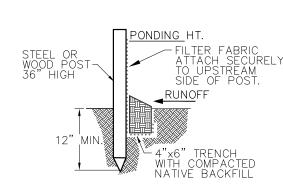
- 1. The following construction sequence shall be followed in order to best minimize the potential for erosion and sediment control problems:
- (a) Clear and grub and rough grade sufficiently of temporary ESC BMPs;
- (b) Install temporary ESC BMPs, constructing sediment trapping BMPs as one of the first steps
- (c) Clear, grub and rough grade for roads, temporary access and utility locations; (d) Stabilize roadway approaches and temporary access points with the appropriate
- construction entry BMP;
- (e) Clear, grub and grade individual lots or groups of lots; (f) Temporarily stabilize, through re-vegetation or other appropriate BMPs, lots or groups of
- lots in situations where substantial cut or fill slopes are a result of the site grading; (g) Construct roads, buildings, permanent stormwater facilities (i.e., inlets, ponds, UIC facilities,
- (h) Protect all permanent stormwater facilities utilizing the appropriate BMPs; (i) Install permanent ESC controls, when applicable; and,
- (i) Remove temporary ESC controls when:
- 2. Permanent ESC controls, when applicable, have been completely installed;
- 3. All land-disturbing activities that have the potential to cause erosion or sedimentation problems have ceased; and,
- 4. Vegetation has been in the areas noted as requiring vegetation on the accepted ESC plan on file with the local jurisdiction.
- 5. Inspect all roadways, at the end of each day, adjacent to the construction access route. If it is evident that sediment has been tracked off site and/or beyond the roadway approach,
- 6. If sediment removal is necessary prior to street washing, it shall be removed by shoveling or pickup sweeping and transported to a controlled sediment disposal area.
- 7. If street washing is required to clean sediment tracked off site, once sediment has been removed, street wash wastewater shall be controlled by pumping back on—site or otherwise prevented from discharging into systems tributary to waters of the state.
- 8. Restore construction access route equal to or better than the pre-construction condition. 9. Retain the duff layer, native topsoil, and natural vegetation in an undisturbed state to the maximum extent practical.
- 10. Inspect sediment control BMPs weekly at a minimum, daily during a storm event, and after any discharge from the site (stormwater are non-stormwater). The inspection frequency may be reduced to once a month if the site is stabilized and inactive.
- 11. Control fugitive dust from construction activity in accordance with the state and/or local air qualities with jurisdiction over the project area.
- 12. Stabilize exposed unworked soils (including stockpiles), whether at final grade or not, within 10 days during the regional dry season (July 1 through September 30) and within 5 days during the regional wet season (October 1 through June 30). Soils must be stabilized at the end of a shift before a holiday weekend if needed based on the weather forecast. This time limit may not only be adjusted by a local jurisdiction with a "Qualified Local Program," if it can be demonstrated that the recent precipitation justifies a different standard and meets the requirements set forth in the Construction Stormwater General Permit.
- 13. Protect inlets, drywells, catch basins and other stormwater management facilities from sediment, whether or not facilities are operable.
- 14. Keep roads adjacent to inlets clean.
- 15. Inspect inlets weekly at a minimum and daily during storm events.
- 16. Construct stormwater facilities (detention/retention storage pond or swales) before grading begins. These facilities shall be operational before the construction of impervious site improvements.
- 17. Stockpile materials (such as topsoil) on site, keeping off of roadway and sidewalks. 18. Cover, contain and protect all chemicals, liquid products, petroleum product, and non-inert wastes present on site from vandalism (see Chapter 173—304 WAC for the definition of inert waste), use secondary containment for on-site fueling tanks.
- 19. Conduct maintenance and repair of heavy equipment and vehicles involving oil changes, hydraulic system repairs, solvent and de-greasing operations, fuel tank drain down and removal, and other activities that may result in discharge or spillage of pollutants to the ground or into stormwater runoff using spill prevention measures, such as drip pans. Clean all contaminated surfaces immediately following any discharge or spill incident. If raining over equipment or vehicle, perform emergency repairs on site using temporary plastic beneath the
- 20. Conduct application of agricultural chemicals, including fertilizers and pesticides, in such a manner, and at application rates, that inhibits the loss of chemicals into stormwater runoff facilities. Amend manufacturer's recommended application rates and procedures to meet this requirement, if necessary.
- 21. Inspect on a regular basis (at a minimum weekly, and daily a runoff producing storm event) and maintain all erosion and sediment control BMPs to ensure successful performance of the BMPs. Note that inlet protection devices shall be cleaned or removed and replaced before six inches of sediment can accumulate.
- 22. Remove temporary ESC BMPs within 30 days after the temporary BMPs are no longer needed. Permanently stabilize areas that are disturbed during the removal process.

E. FERRY WAREHOUSE

IN A PORTION OF THE SW 1/4 OF SEC.15 T25N, R43 EWM 3403 E. FERRY AVENUE CITY OF SPOKANE. WASHINGTON

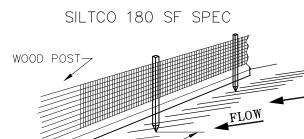
SILT FENCE SECTION

NOT TO SCALE



SILT FENCE DETAIL

NOT TO SCALE

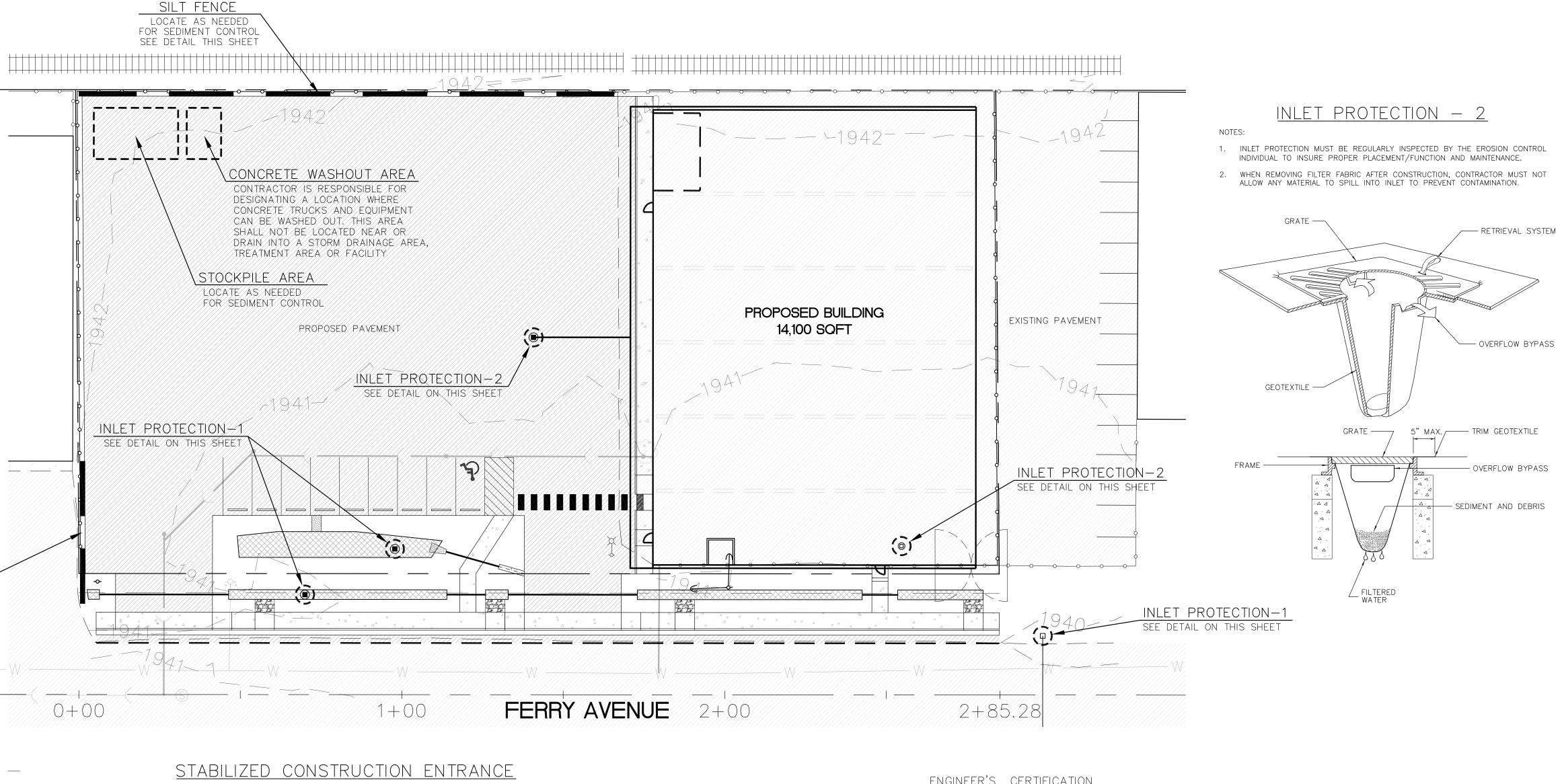


SILT FENCE NOTES

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY

3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY. 4. TEMPORARY SILT FENCE LOCATION SHOWN ON THIS PLAN IS SCHEMATIC IN NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING ALL SILT RUNOFF DURING CONSTRUCTION.

OLIVIA AVENUE



FILTER FABRIC --INSTALL FILTER FABRIC AS DESIGNED BY THE MANUFACTURER (FABRIC TO BE AMOCO 4545 FILTER FABRIC TO BE OR APPROVED EQUAL) SECURED WITH SPIKE (X6)

INLET PROTECTION - 1

NOTES: 1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPE.

FLOOR IS SLOPED UP TO MATCH THE TOP OF GRATE ELEVATION.

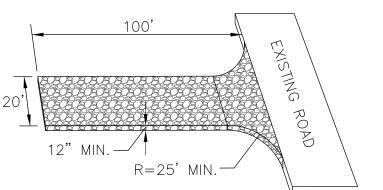
- 2. INLET PROTECTION MUST BE REGULARLY INSPECTED BY THE EROSION CONTROL INDIVIDUAL TO INSURE
- PROPER PLACEMENT/FUNCTION AND MAINTENANCE.
- 3. WHEN REMOVING FILTER FABRIC AFTER CONSTRUCTION, CONTRACTOR MUST NOT ALLOW ANY MATERIAL TO SPILL INTO DRYWELL TO PREVENT DRYWELL CONTAMINATION. 4. THIS INLET PROTECTION METHOD SHOULD ONLY BE USED IN SWALE SITUATIONS, WHERE THE SWALE

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SILT FENCE LOCATE AS NEEDED

FOR SEDIMENT CONTROL SEE DETAIL THIS SHEET

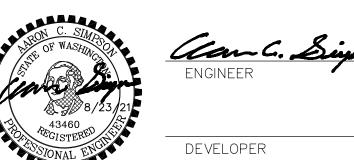


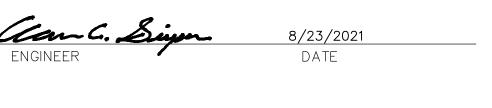
* MATERIAL SHOULD BE QUARRY SPALLS (WHERE FEASIBLE), 4 INCHES TO 8 INCHES SIZE. * THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK. * WIDTH SHALL BE THE FULL LENGTH OF THE VEHICLE EGRESS AREA (MINIMUN 20 FEET). * ADDITIONAL ROCK SHOULD BE ADDED PERIODICALLY TO

MAINTAIN PROPER FUNCTION OF THE PAD. * SEE FIGURE II-5.4 PER SPOKANE COUNTY STORMWATER MANAGEMENT MANUAL.

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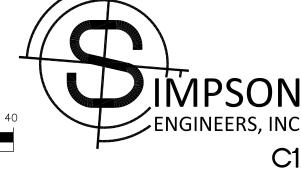


DATE

COMMERCIAL BUILDING

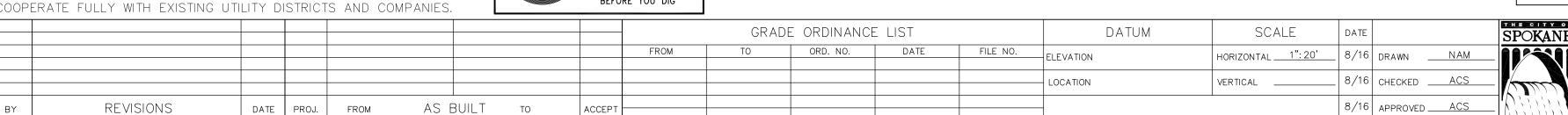
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E. FERRY WAREHOUSE CITY OF SPOKANE, WASHINGTON TEMPORARY EROSION SHEET DEPARTMENT OF ENGINEERING SERVICES



-	C1.1
PE OF IMPROVEMEN	T: TESC
PROJECT NUMBER	PLAN NUMBER
	2 OF 5

15-25-43



- POND BOTTOM

CONSTRUCTION NOTES

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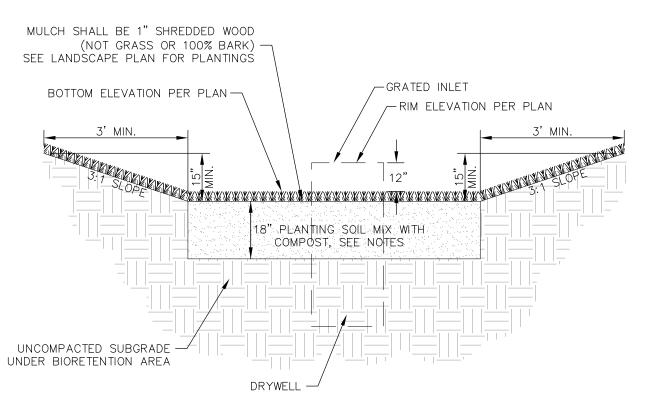
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ALL BROKEN HEAVED OR SUNKEN SIDEWALK AND CURBS ADJACENT TO THE PROJECT WILL BE REPLACED OR REPAIRED WHETHER CAUSED BY CONSTRUCTION OR NOT.

NO REVISIONS SHALL BE MADE TO THE PLANS WITHOUT PRIOR APPROVAL FROM THE CITY OF SPOKANE AND THE PROPERTY DESIGN ENGINEER OF RECORD.

BIORETENTION POND

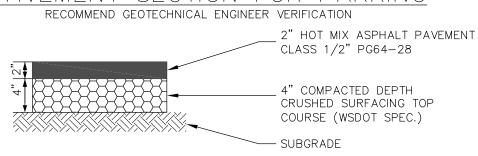
NOT TO SCALE



- POND BOTTOM AND SLOPES ARE TO MATCH LANDSCAPE PLANS. FOR SWALES AND PONDS. THE TOP 18 INCHES OF SOIL SHALL CONSIST OF A THOROUGHLY BLENDED.
- MIX OF 35-40% COMPOST AND 60-65% MINERAL AGGREGATE. COMPOST CATION EXCHANGE CAPACITY (CECO SHALL BE EQUAL TO OR GREATER THAN 5 MILLIEQIVALENTS PER 100 GRAMS OF DRY SOIL.
- MINERAL AGGREGATE SHALL BE WELL-GRADED SAND PER ASTM D 2487-11 WITH COEFFICIENT OF UNIFORMITY Cu=D60/D10 GREATER THAN OR EQUAL TO 1 AND LESS THAN OR EQUAL TO 3.
- MINERAL AGGREGATÉ GRADATION PER TABLE 4.4.2:
- SIEVE SIZE 3/8" PERCENT PASSING

75-90 25-40 4-10 2 - 5

PAVEMENT SECTION FOR PARKING



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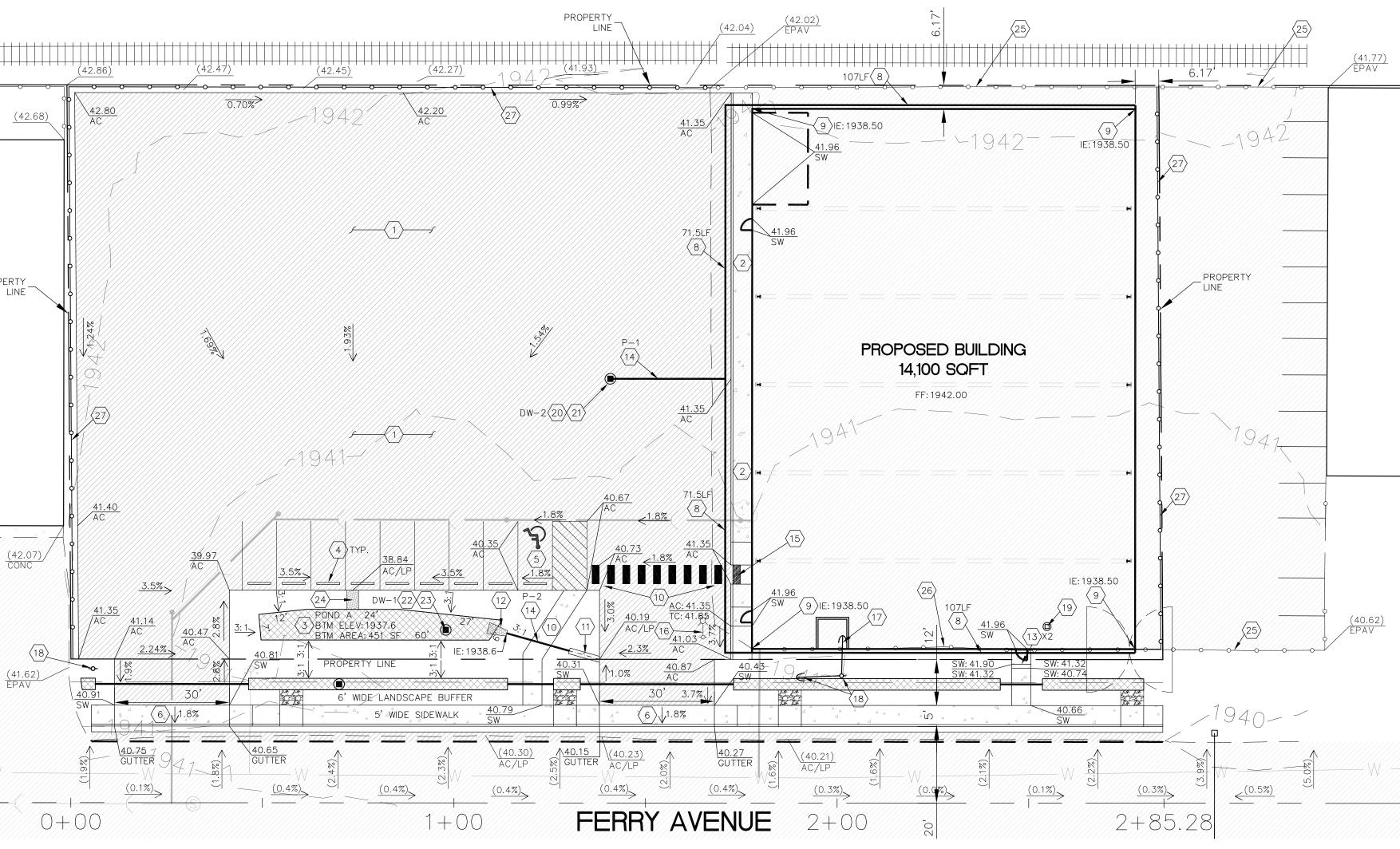


UNDERGROUND SERVICE ALERT

E. FERRY WAREHOUSE

IN A PORTION OF THE SW 1/4 OF SEC.15 T25N, R43 EWM 3403 E. FERRY AVENUE CITY OF SPOKANE, WASHINGTON

OLIVIA AVENUE



ENGINEER'S CERTIFICATION

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CITY OF SPOKANE, WASHINGTON

CONSTRUCTION NOTES - C.O.S.

(1) INSTALL ASPHALT PAVEMENT, SEE DETAIL THIS SHEET

(2) INSTALL 5.5' CURB AND SIDEWALK PER C.O.S. STD. PLAN F-102B

CONSTRUCT BIO-RETENTION W/ OVERFLOW STRUCTURE PER STORMWATER MANAGEMENT MANUAL OF EASTERN WASHINGTON, SEE DETAIL THIS SHEET

INSTALL WHEEL STOP, 2' MEASURED FROM FACE OF WHEEL STOP TO EDGE OF PAVEMENT

 $\langle 5 \rangle$ INSTALL VAN ACCESSIBLE PARKING STALL PER C.O.S. STD. PLANS G-54 AND G-80A CONSTRUCT 30' WIDE CONCRETE DRIVEWAY APPROACH, PER C.O.S. STD. PLANS F-104

(INSTALL 20'X10' WIDE CONCRETE PAD FOR REFUSE WITH L1 VISUAL SCREEN, 6' SOLID MASONRY WALL, OR SIGHT-OBSCURING FENCE WITH L2 BUFFER BETWEEN FENCE AND

8 INSTALL TIGHTLINE, 6" PVC, S:2% MIN., 3' MINIMUM COVER. INSTALL CLEANOUTS AS \sim NEEDED, MAX SEPERATION = 100'

9 CONNECT PROPOSED GUTTER DOWNSPOUTS TO TIGHTLINE IE @ BLDG = 3.5' BELOW FINISH FLOOR

INSTALL 5' WIDE ACCESSIBLE PATH. MAX CROSS SLOPE=2%, MAX SLOPE IN DIRECTION OF TRAVEL=5%

CONSTRUCT 18" WIDE CONCRETE VALLEY GUTTER FROM ASPHALT LOW POINT TO CULVERT

INSTALL RIP RAP PAD. 1.5' WIDE AT PIPE OUTLET, LENGTH 5', AND 3' WIDE AT END OF PAD. SHALL BE CONSTRUCTED WITH 4"-6" ANGULAR ROCK, 12" THICK, WITH FABRIC BETWEEN NATIVE AND ROCK.

 $\langle 13 \rangle$ CONSTRUCT 7" TALL STEPS

(14) INSTALL STORM PIPE PER TABLE

(15) CONSTRUCT CURB RAMP TYPE-2 PER C.O.S. STD. F-105B

(16) EXISTING LIGHT POLE TO BE REMOVED

EXISTING ANCHOR TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH UTILITY PURVEYOR

MODIFY SWALE AS NECESSARY TO ACCOMODATED EXISTING POWER POLE AND ANCHOR

EXISTING DRYWELL TO BE ABANDONED. REMOVE ANY STRUCTURE WITHIN 3' OF THE LAND SURFACE, BACKFILL UP TO 3' BELOW LAND SURFACE WITH UNCONTAMINATED MATERIAL THAT DRAINS EQUAL TO OR SLOWER THAN NATIVE MATERIAL, AND FILL THE REMAINING 3' DIRECTLY BELOW LAND SURFACE WITH NATIVE SOIL - PER WAC

173-218-120 AND WSDOT SPECS 7-05.3(2) (20) INSTALL DOUBLE BARRELL DRYWELL TYPE-2, C.O.S. STD. PLAN B-102D

(21) INSTALL METAL FRAME AND SOLID "STORM" COVER, C.O.S. STD. PLAN A-12

(22) INSTALL SINGLE BARRELL DRYWELL TYPE-1, C.O.S. STD. PLAN B-102C (23) INSTALL METAL FRAME AND GRATED COVER, C.O.S. STD. PLAN B-113

(24) INSTALL RIP RAP PAD. 3.0' WIDE, FROM EDGE OF PAVEMENT TO POND BOTTOM. SHALL BE CONSTRUCTED WITH 4"-6" ANGULAR ROCK, 12" THICK, WITH FABRIC

BETWEEN NATIVE AND ROCK. $\langle 25 \rangle$ EXISTING FENCE TO REMAIN

 $\langle 26 \rangle$ existing fence to be removed

(27) INSTALL FENCE

E. FERRY WAREHOUSE

COMMERCIAL BUILDING

PROPOSED PIPE TABLE:

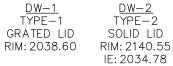
STORM PIPE TO BE AS NOTED BELOW

PIPE NO.	LENGTH	SIZE(in.)	GRADE	MATERIAL
P-1	30.0	8	0.0050	PVC
P-2	17.0	8	0.0050	PVC

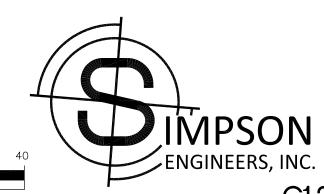
STORMWATER STRUCTURES

• DRYWELL TYPE-1 OR TYPE-2, C.O.S. STD. PLAN B-102(C&D) AS SPECIFIED BELOW • SOLID LID, C.O.S. STD. PLAN A-13

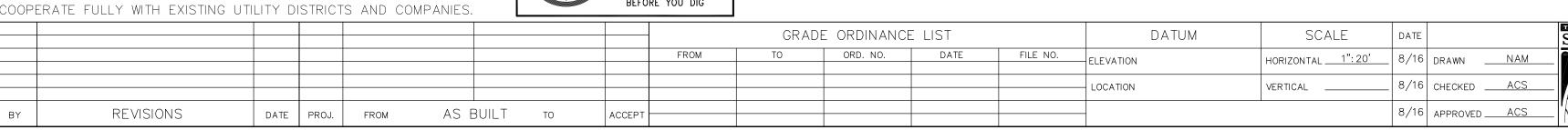
• GRATED LID, C.O.S. STD. PLAN B-113



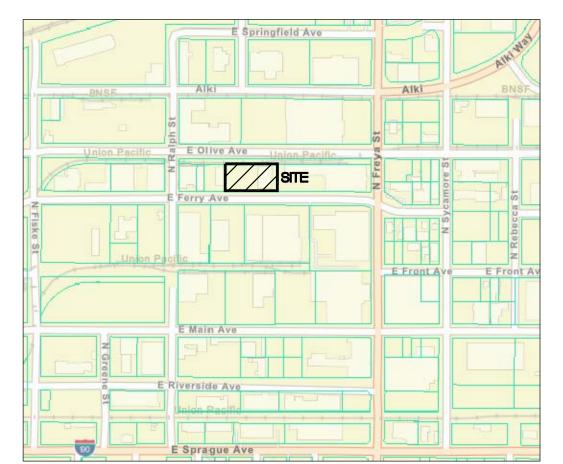




TYPE OF IMPROVEMENT: DRAINAGE GRADING AND DRAINAGE SHEET PROJECT NUMBER PLAN NUMBER 3 OF 5 15-25-43







<u>VICINITY MAP - N.T.S.</u>

SITE INFORMATION

PROJECT OWNER

LB STONE PROPERTIES #3403 LLC PO BOX 3949 SPOKANE, WA 99220-3949

CONTACT Shane Mercier, Map Architecture ADDRESS: 1050 N. ARGONNE RD. #101 SPOKANE VALLEY, WA 99212 509-951-0311 SHANE@MAPARCHITECTURE.NET

PROPERTY OWNER

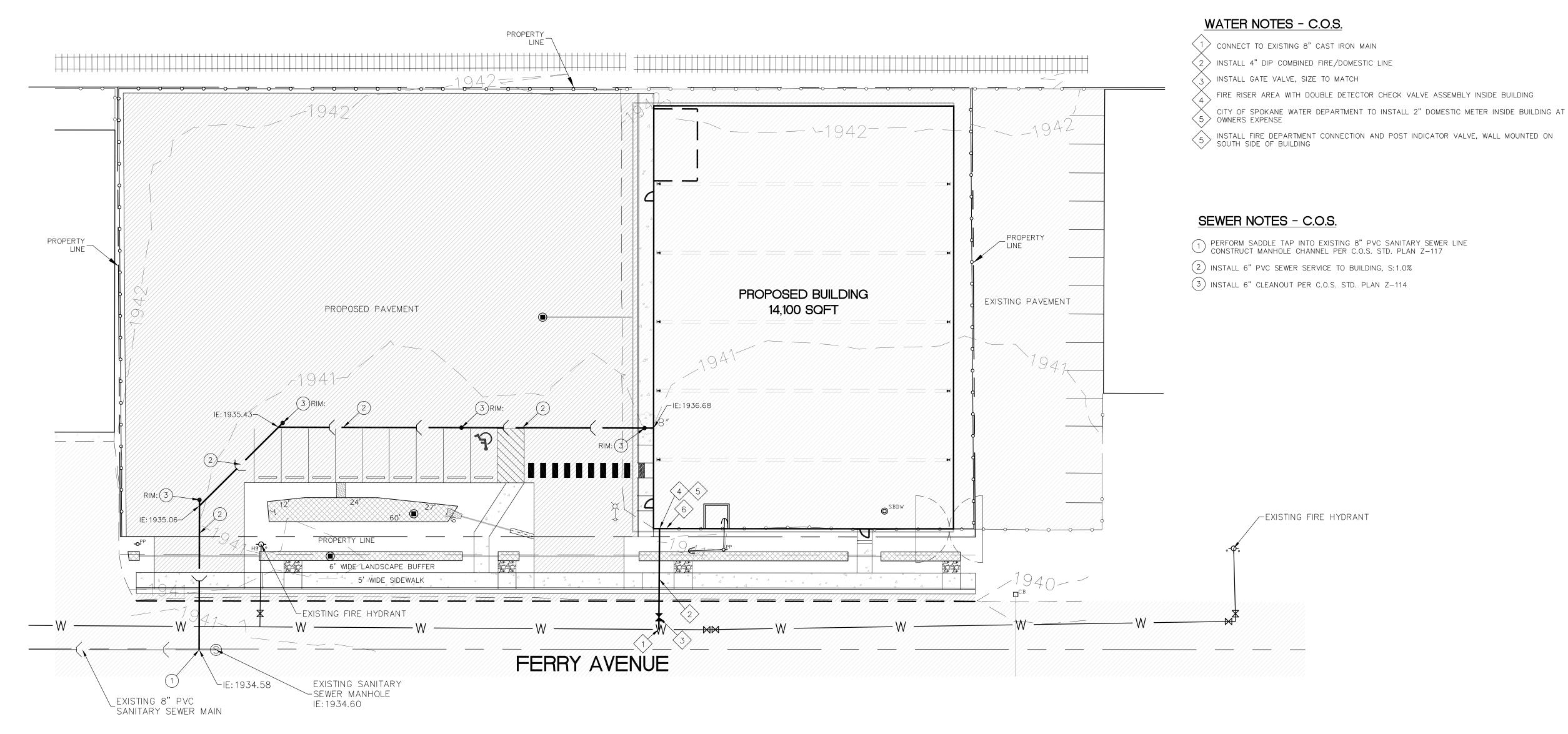
LB STONE PROPERTIES #3403 LLC PO BOX 3949 SPOKANE, WA 99220-3949

PROJECT ADDRESS:
3403 E. FERRY AVE. SPOKANE, WA 99202 PARCEL NUMBER: 35153.1416

E. FERRY WAREHOUSE

IN A PORTION OF THE SW 1/4 OF SEC.15 T25N, R43 EWM 3403 E. FERRY AVENUE CITY OF SPOKANE, WASHINGTON

OLIVIA AVENUE

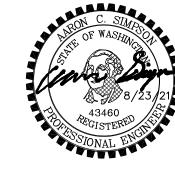


EXACT LOCATIONS, SIZES AND DEPTHS OF UNDERGROUND UTILITIES ARE NOT KNOWN. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO "CALL BEFORE YOU DIG 456-8000", AND SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES BEFORE DIGGING AND TO COORDINATE AND

REVISIONS



AS BUILT TO

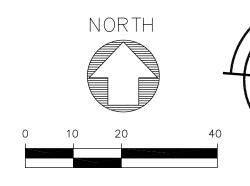


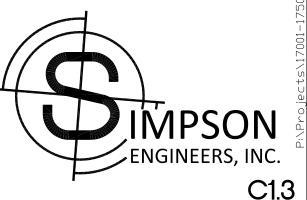
FIRE DEPARTMENT CERTIFICATION STATEMENT

CITY OF SPOKANE FIRE DISTRICT HAS APPROVED THIS WATER PLAN FOR VPI WAREHOUSE. THIS WATER PLAN IS IN CONFORMANCE WITH OUR REQUIREMENTS AND WILL SATISFY OUR NEEDS IN PROVIDING AN ADEQUATE WATER SYSTEM AND FACILITIES OF DOMESTIC & FIRE PROTECTION PURPOSES TO ALL STRUCTURES IN THE ABOVE NAMED PROJECT.

ELEVATIONS ARE TO NAVD88 DATUM SW 1/4 SEC. 15, T.25, R.43 E.W.M.

CITY OF SPOKANE, WASHINGTON DEPARTMENT OF ENGINEERING SERVICES





E. FERRY WAREHOUSE UTILITIES SHEET COMMERCIAL BUILDING

	C1.0
TYPE OF IMPROVEMEN	T: WATER/SEWER
PROJECT NUMBER	PLAN NUMBER
	4 OF 5
	15-25-43

COOPERATE FULLY WITH EXISTING UTILITY DISTRICTS AND COMPANIES.

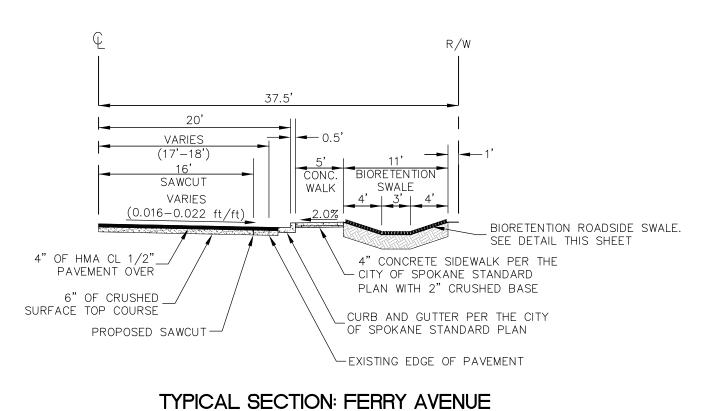
DATE PROJ. FROM

	RE YOU DIG										
		GRAD	e ordinance	E LIST		DATUM	SCALE	DATE			SPOK
	FROM	ТО	ORD. NO.	DATE	FILE NO.	ELEVATION	HORIZONTAL 1": 20'	8/16	DRAWN	NAM	1)/3
						LOCATION	VERTICAL	8/16	CHECKED	ACS	-
ACCEPT								8/16	APPROVED	ACS	

E. FERRY WAREHOUSE

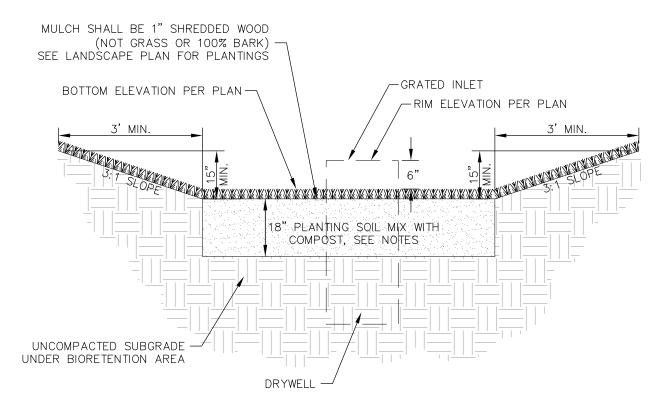
IN A PORTION OF THE SW 1/4 OF SEC.15 T25N, R43 EWM

3403 E. FERRY AVENUE CITY OF SPOKANE, WASHINGTON



BIORETENTION ROADSIDE SWALE NOT TO SCALE

STA: 0+00 TO 2+85



- NOTES:

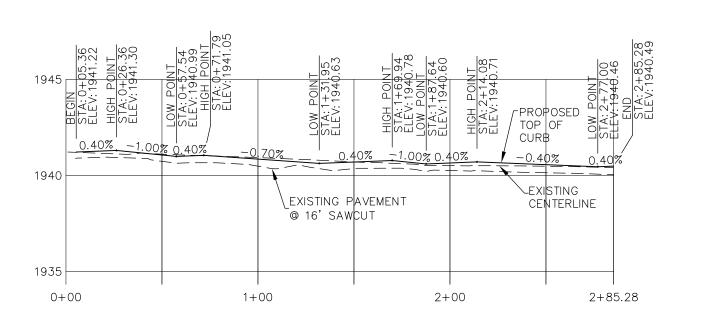
 POND BOTTOM AND SLOPES ARE TO MATCH LANDSCAPE PLANS.

 FOR SWALES AND PONDS, THE TOP 18 INCHES OF SOIL SHALL CONSIST OF A THOROUGHLY BLENDED MIX OF 35-40% COMPOST AND 60-65% MINERAL AGGREGATE.
- COMPOST CATION EXCHANGE CAPACITY (CECO SHALL BE EQUAL TO OR GREATER THAN 5 MILLIEQIVALENTS PER 100 GRAMS OF DRY SOIL.
- MINERAL AGGREGATE SHALL BE WELL-GRADED SAND PER ASTM D 2487-11 WITH COEFFICIENT OF UNIFORMITY Cu=D60/D10 GREATER THAN OR EQUAL TO 1 AND LESS THAN OR EQUAL TO 3.
- MINERAL AGGREGATE GRADATION PER TABLE 4.4.2: SIEVE SIZE PERCENT PASSING 3/8" 100

AS BUILT

75-90 4-10 2-5

OLIVIA AVENUE PROPOSED BUILDING 14,100 SQFT EXSITING FIRE > EXSITING POWER POLE HYDRANT WITH GUY WIRES POWER (NORTH & WEST)



ENGINEER'S CERTIFICATION

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS CONFORM TO THE APPLICABLE EDITIONS OF THE CITY OF SPOKANE STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND 2008 REGIONAL STORMWATER MANUAL. I APPROVE THESE PLANS FOR CONSTRUCTION.

EXACT LOCATIONS, SIZES AND DEPTHS OF UNDERGROUND UTILITIES ARE NOT KNOWN. UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR CONVENIENCE OF THE CONTRACTOR

REVISIONS





GRADE OR



ELEVATIONS ARE TO NAVD88 DATUM SW 1/4 SEC. 15, T.25, R.43 E.W.M.

CITY OF SPOKANE, WASHINGTON DEPARTMENT OF ENGINEERING SERVICES

CONSTRUCTION NOTES

ALL STREET AND DRAINAGE WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "CITY OF SPOKANE SUPPLEMENTAL SPECIFICATIONS", AS AMENDED, AND PER THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (W.S.D.O.T.) AND BY THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).

LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD, DRAINAGE AND UTILITY FACILITIES. CONTRACTOR SHALL COORDINATED WITH UTILITY COMPANIES FOR RELOCATION OF POWER POLES, LIGHTS, TELEPHONE AND/OR OTHER UTILITIES THAT MAY CONFLICT WITH CONSTRUCTION.

THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. CONTRACTOR SHALL ALSO MAINTAIN ON THE SITE A COMPLETE SET OF RED LINE RECORD DRAWINGS INDICATING ALL CHANGES FROM THE APPROVED AND BID DRAWINGS.

IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER.

PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 "CALL BEFORE YOU DIG." ALL CONSTRUCTION SHALL BE COORDINATED WITH THE CITY OF SPOKANE WHO WILL PROVIDE INSPECTION FOR THEIR FACILITIES, INFRASTRUCTURE AND STORMWATER FACILITIES.

CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ADJACENT EXISTING PROPERTIES OR IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY AREAS DISTURBED BY HIS/HER ACTIVITIES. THE CONTRACTOR SHALL PROVIDE A TRENCH EXCAVATION SAFETY SYSTEM, PER CHAPTER 39.04 RCW, MEETING THE PROVISIONS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW FOR ALL TRENCHES IN EXCESS OF FOUR (4) FEET DEEP. NEITHER THE ENGINEER NOR THE OWNER WILL REVIEW, APPROVE OR HAVE ANY LIABILITY FOR THE ADEQUACY OF THE CONTRACTOR'S TRENCH EXCAVATION SAFETY SYSTEM.

SITE EXCAVATION SHALL CONFORM TO SECTION 2-03 OF THE W.S.D.O.T. STANDARD SPECIFICATIONS. EMBANKMENTS TO BE CONSTRUCTED ACCORDING TO THE APPLICABLE PARAGRAPHS OF SECTION 2-03 OF THE W.S.D.O.T. STANDARD SPECIFICATIONS. EARTH EMBANKMENTS TO BE CONSTRUCTED USING METHOD B OF 2-03.3(14)C.

ALL FILL AREAS OUTSIDE OF EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 8" LIFTS TO 92% OF MAXIMUM ASTM D 1557 DRY DENSITY. PAVEMENT SUBGRADE SHALL BE COMPACTED TO 95%.

MARKING TAPE SHALL BE INSTALLED IN EXCAVATION TRENCH AT MID DEPTH LOCATION FOR ALL UNDERGROUND UTILITIES FOR THE PURPOSE OF ALERTING ANY FUTURE EXCAVATION IN THE SPECIFIC AREA.

STORMWATER FACILITIES, INCLUDING DRYWELLS, CB'S, PIPES, AND INFILTRATION GALLERIES, MUST BE CONSTRUCTED UNDER THE SUPERVISION OF THE WASTEWATER MANAGEMENT DIVISION. STORMWATER TREATEMENT FACILITIES (208 SWALE) SHALL BE INSPECTED PRIOR TO PLACEMENT OF TOPSOIL, PLANTINGS, OR GRASS. THE CONTRACTOR SHALL CONTACT THE WASTEWATER MAINTENANCE DIVISION OFFICE AT (509) 625-7905 OR (509) 625-7912 IN ORDER TO ARRANGE A MUTUALLY AGREEABLE INSPECTION SCHEDULE.

ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF SPOKANE SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. AN OBSTRUCTION PERMIT IS REQUIRED FOR ALL WORK WITHIN THE CITY RIGHT-OF-WAY.

ALL BROKEN HEAVED OR SUNKEN SIDEWALK AND CURBS ADJACENT TO THE PROJECT WILL BE REPLACED OR REPAIRED WHETHER CAUSED BY CONSTRUCTION OR NOT.

NO REVISIONS SHALL BE MADE TO THE PLANS WITHOUT PRIOR APPROVAL FROM THE CITY OF SPOKANE AND THE DESIGN ENGINEER OF RECORD.

CONSTRUCTION NOTES

1. ALL WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE THE CONTRACTOR TO OBTAIN A CITY OF SPOKANE OBSTRUCTION

CONSTRUCTION NOTES - STREET PLANS - C.O.S.

 \langle $_1$ \rangle install asphalt pavement per city of spokane stds.

 \langle 2 angleInstall concrete curb and gutter per city of spokane std. Plan F-106

 $\langle 3 \rangle$ INSTALL 5' WIDE SIDEWALK PER CITY OF SPOKANE STD. PLAN F-102A

4 CONSTRUCT 30' WIDE CONCRETE DRIVEWAY APPROACH PER CITY OF SPOKANE STD. PLAN

5 EXISTING ASPHALT PAVEMENT

6 CONSTRUCT BIO-RETENTION W/ OVERFLOW STRUCTURE PER STORMWATER MANAGEMENT MANUAL OF EASTERN WASHINGTON, SEE DETAIL THIS SHEET

 \langle 7 \rangle INSTALL SINGLE BARRELL DRYWELL TYPE-1 PER CITY OF SPOKANE STD. PLAN B-102C

 \langle 8 \rangle INSTALL METAL FRAME AND GRATE PER CITY OF SPOKANE STD. PLAN B-113

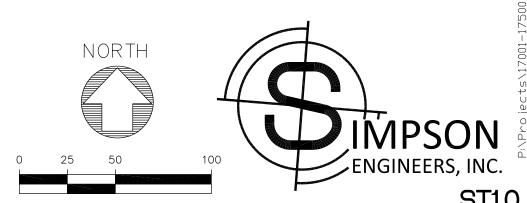
(9) INSTALL SPECIAL CURB INLET TYPE 2, WILBERT PRECAST MODEL #1840

INSTALL RIP RAP PAD. 6.0' WIDE AT CURB INLET, FROM BACK OF SIDEWLAK TO POND 10 BOTTOM. SHALL BE CONSTRUCTED WITH 4"-6" ANGULAR ROCK, 12" THICK, WITH FABRIC BETWEEN NATIVE AND ROCK.

(11) INSTALL 8" DIP STORM PIPE. STORM PIPE SHALL BE ENCLOSED WITHIN 6" CEMENT CONCRETE

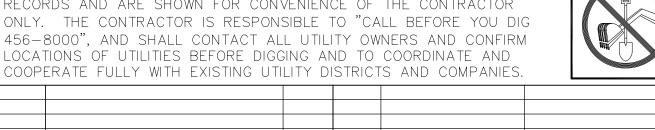
12 INSTALL 5' WIDE ACCESSIBLE PATH. MAX CROSS SLOPE=2%, MAX SLOPE IN DIRECTION OF TRAVEL=5%

 $\langle 13 \rangle$ INSTALL 8" DIP STORM PIPE.



E. FERRY WAREHOUSE FERRY AVENUE PLAN COMMERCIAL BUILDING

	311.0
TYPE OF IMPROVEMEN	T: STREET
PROJECT NUMBER	PLAN NUMBER
	5 OF 5
	15-25-43



DATE PROJ. FROM

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			LOCATION	VERTICAL	8/16	CHECKED A	<u>cs</u>
					8/16	APPROVED A	<u>cs</u>