

Tollgate Farm Improvements

NORTH BEND, WASHINGTON



1601 5th Avenue, Suite 1600
Seattle, WA 98101
206.622.5822
www.kpff.com

**TOLLGATE FARMSTEAD
IMPROVEMENTS**
SI VIEW METROPOLITAN PARKS DISTRICT
1300 NORTH BEND WAY, NORTH BEND, WA 98045



SET TYPE:
**100% IFC - BID
DOCUMENTS**
SET ISSUE DATE:
06.09.2021
REVISIONS:

DRAWN/CHECKED:
JEP/SJB
SHEET NAME:
COVER SHEET

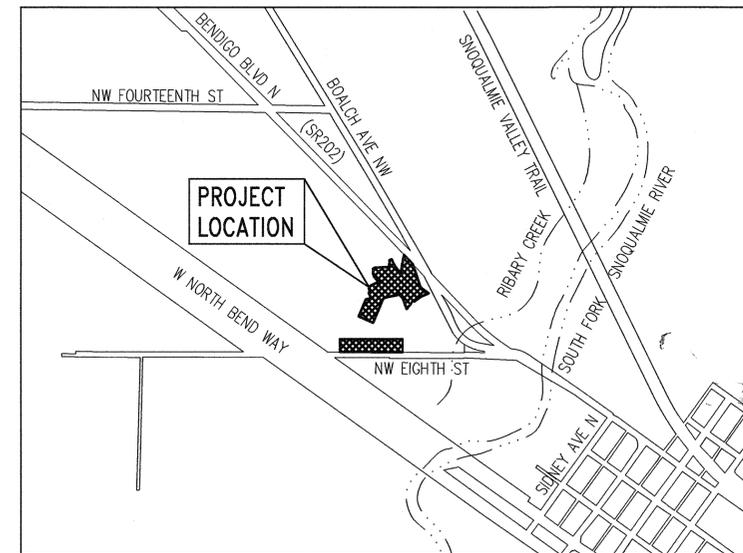
SHEET NUMBER:
C-100

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LEGAL DESCRIPTION

PARCEL A OF CITY OF NORTH BEND LOT LINE ADJUSTMENT NO 125-078 RECORDING NO 20011217900009 SAID PARCEL A DEFINED - SE 1/4 OF SW 1/4 LESS S 20 FT LESS CO ROADS LESS STATE ROAD NO 2 LESS PORTION LY ELY OF SR 202 LESS E 606.25 FT



VICINITY MAP
SCALE: 1" = 800'±

| SHEET INDEX | |
|-------------|---|
| SHEET NO | SHEET TITLE |
| C-100 | COVER SHEET |
| C-101 | NOTES AND LEGEND |
| C-200 | TESC PLAN |
| C-300 | CIVIL GRADING AND DRAINAGE PLAN |
| C-400 | CIVIL HORIZONTAL CONTROL AND PAVING PLAN |
| C-410 | CIVIL HYDRANT AND FIRE TRUCK TURNING PLAN |
| C-500 | NW 8TH STREET IMPROVEMENTS |
| C-600 | TESC DETAILS |
| C-601 | CIVIL GRADING AND DRAINAGE DETAILS |
| C-602 | CIVIL PAVING DETAILS |

CITY OF NORTH BEND PERMIT # _____

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF NORTH BEND PUBLIC WORKS DEPARTMENT REQUIREMENTS TO THE BEST OF MY KNOWLEDGE.

Tom M. W. 7-16-21
CITY ENGINEER OR PUBLIC WORKS DIRECTOR DATE



Know what's below.
Call before you dig.

PROJECT TEAM

CLIENT & OWNER CONTACTS

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BRUCE BLYTON/TONY ROMANICK
GEOTECHNICAL ENGINEER
AESI | ASSOCIATED EARTH SCIENCES INCORPORATED
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SURVEY INFORMATION

BASIS OF MERIDIAN:

WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE 4601, NAD 83/91

VERTICAL DATUM:

NAVD 88, CONTRACTOR TO VERIFY VERTICAL DATUM WITH TIES TO LOCAL SITE CONTROL AND TOPOGRAPHY.

UTILITY NOTE:

UTILITIES SHOWN HEREON ARE PER AS-BUILT OF SITE FEATURES AND UNDERGROUND UTILITY LOCATES PERFORMED BY KPFF IN THE CONJUNCTION WITH RECORD INFORMATION ON FILE AT THE OFFICE OF KPFF. ALL UNDERGROUND UTILITIES SHOULD BE CONSIDERED APPROXIMATE ONLY AND VERIFIED PRIOR TO EXCAVATION.

BOUNDARY NOTE:

BOUNDARY AND RIGHT OF WAY SHOWN HERE ON IS BASED ON BEST AVAILABLE RECORD INFORMATION, DESCRIPTIONS AND EASEMENTS ARE BASED ON TITLE REPORTS PROVIDED BY THE CLIENT AND NOTED ON THE FACE OF THIS SURVEY.

METHOD OF SURVEY:

CONTROL SURVEY PERFORMED USING GPS/RTK METHODS WITH THE USE OF TOPCON GR5 RECEIVERS. ON SITE CONTROL AND TOPOGRAPHIC SURVEY PERFORMED USING TOPCON PS 103 TOTAL STATION.

THE WORK PERFORMED DURING THE COURSE OF THIS SURVEY MEETS OR EXCEEDS THE STANDARDS AS SET FORTH IN WAC 332-130-090.

COMPLETED IN SEPTEMBER OF 2020.

GENERAL NOTES

- ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, NORTH BEND MUNICIPAL CODE AND PROJECT SPECIFICATIONS.
- SPECIAL CARE SHALL BE EXERCISED UNDER AND IN THE VICINITY OF OVERHEAD POWER LINES THAT MUST REMAIN IN SERVICE WITHIN THE SITE. THE CONTRACTOR SHALL COMPLY WITH CURRENT REGULATIONS REGARDING CONSTRUCTION ACTIVITIES NEAR AND UNDER EXISTING OVERHEAD POWER LINES ON SITE.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- PROJECT IS REQUIRED TO MEET 2009 KCSWDM STANDARD.

KING COUNTY TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

- APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, IF REQUIRED, PRIOR TO CONSTRUCTION (SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.) AS DIRECTED BY KING COUNTY.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
- ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH, OR WITHIN TWENTY FOUR (24) HOURS FOLLOWING A STORM EVENT.
- AT NO TIME SHALL MORE THAN ONE (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.
- 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. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.
- COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE SURFACE WATER DESIGN MANUAL.
- PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DDES INSPECTOR FOR REVIEW.

CONTRACTOR IS ALERTED TO THE FACT THAT WORK WILL BE ACCOMPLISHED AROUND ACTIVE PSE GAS AND ENERGIZED TANNER ELECTRIC CO-OP (TEC) FACILITIES THAT ARE SERVING EXISTING CUSTOMERS. CONTRACTOR SHALL COORDINATE WITH PSE AND TEC TO DETERMINE WHICH FACILITIES ARE ACTIVE AND ENERGIZED AND SHALL IMPLEMENT SAFETY PROCEDURES PER PSE AND TEC REQUIREMENTS. CONTRACTOR SHALL COORDINATE WITH PSE AND TEC TO ENSURE THAT FACILITIES ARE IN PLACE TO MAINTAIN SERVICE TO CUSTOMERS THROUGHOUT CONSTRUCTION.

PERMEABLE PAVING CONSTRUCTION NOTES

- PRIOR TO INSTALLATION, COORDINATE SUBGRADE PREPARATION OF PERMEABLE PAVING WITH PROJECT GEOTECHNICAL ENGINEER. FOLLOWING NOTES HAVE BEEN PROVIDED BY THE PROJECT GEOTECHNICAL ENGINEER.
- FOR PREPARATION OF PERVIOUS PAVERS, TOPSOIL, AND ORGANICS, EXISTING ASPHALT SHOULD BE STRIPPED FROM THE PROPOSED PAVER AREA. THE EXISTING SUBGRADE SHOULD BE EXPOSED AND PROOF-ROLLED. IF A FIRM AND UNYIELDING CONDITION IS ACHIEVED, NO FURTHER REMEDIAL PREPARATION WOULD BE REQUIRED. IF EXCESSIVELY ORGANIC OR YIELDING CONDITIONS ARE ENCOUNTERED, THE SUBGRADE MATERIAL WOULD BE PARTIALLY REMOVED AND REPLACED WITH PERMEABLE IMPORTED STRUCTURAL FILL. ALTERNATIVELY, IF OVEREXCAVATION IS TO BE AVOIDED, USE OF GEOSYNTHETICS COULD BE SIGNIFICANTLY DECREASED IF THEY ARE COMPACTED DURING GRADING (BY COMPACTATION EQUIPMENT, TRACKED/WHEELED EQUIPMENT) OR COVERED BY LOW-PERMEABILITY FILL. IN OUR OPINION IT IS NOT POSSIBLE TO AVOID GRADING THE SITE WITHOUT SOME COMPACTION OF THE SUBGRADE SOILS DUE TO EQUIPMENT TRAFFIC. TO MITIGATE THE COMPACTION AND THE ASSOCIATED DECREASE IN PERMEABILITY, WE HAVE PROVIDED THE FOLLOWING RECOMMENDATIONS WHICH ARE CONSISTENT WITH THE LID MANUAL:
 - FINAL GRADING SHOULD BE COMPLETED BY MACHINERY OPERATING ON A PRELIMINARY SUBGRADE THAT IS AT LEAST 12 INCHES HIGHER THAN FINAL SUBGRADE ELEVATION. FINAL EXCAVATION THEN PROCEEDS AS MACHINERY IS PULLED BACK.
 - THE AGGREGATE BASE SHOULD BE DUMPED ONTO THE SUBGRADE FROM THE EDGE OF THE INSTALLATION AREA, AND THEN PUSHED OUT ONTO THE SUBGRADE. THEN TRUCKS DUMP SUBSEQUENT LOADS FROM ON TOP OF THE AGGREGATE BASE AS THE INSTALLATION PROGRESSES. AVOID SUBGRADE PREPARATION DURING WET PERIODS AS SOIL COMPACTION INCREASES SIGNIFICANTLY IF SOIL IS WET.
 - IMMEDIATELY PLACE PAVER SYSTEM ONCE AGGREGATE BASE HAS BEEN PLACED. PAVER SYSTEM SHOULD BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

KING COUNTY WET WEATHER PROVISIONS

- THE ALLOWED TIME THAT A DISTURBED AREA MAY REMAIN UNWORKED WITHOUT COVER MEASURES IS REDUCED TO TWO CONSECUTIVE WORKING DAYS, RATHER THAN SEVEN (SECTION D.3.2).
- STOCKPILES AND STEEP CUT AND FILL SLOPES ARE TO BE PROTECTED IF UNWORKED FOR MORE THAN 12 HOURS (SECTION D.3.2).
- COVER MATERIALS SUFFICIENT TO COVER ALL DISTURBED AREAS SHALL BE STOCKPILED ON SITE (SECTION D.3.2).
- ALL AREAS THAT ARE TO BE UNWORKED DURING THE WET SEASON SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON (SECTION D.3.2.5).
- MULCH IS REQUIRED TO PROTECT ALL SEEDED AREAS (SECTION D.3.2.1).
- FIFTY LINEAR FEET OF SILT FENCE (AND THE NECESSARY STAKES) PER ACRE OF DISTURBANCE MUST BE STOCKPILED ON SITE (SECTION D.3.3.1).
- CONSTRUCTION ROAD AND PARKING LOT STABILIZATION ARE REQUIRED FOR ALL SITES UNLESS THE SITE IS UNDERLAIN BY COARSE-GRAINED SOIL (SECTION D.3.4.2).
- SEDIMENT RETENTION IS REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW (SECTION D.3.5).
- SURFACE WATER CONTROLS ARE REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW (SECTION D.3.6).
- PHASING AND MORE CONSERVATIVE BMPS MUST BE EVALUATED FOR CONSTRUCTION ACTIVITY NEAR SURFACE WATERS (SECTION D.5.3).
- ANY RUNOFF GENERATED BY DEWATERING MAY BE REQUIRED TO DISCHARGE TO THE SANITARY SEWER (WITH APPROPRIATE DISCHARGE AUTHORIZATION), PORTABLE SAND FILTER SYSTEMS, OR HOLDING TANKS.
- THE FREQUENCY OF MAINTENANCE REVIEW INCREASES FROM MONTHLY TO WEEKLY (SECTION D.5.4).

KING COUNTY RECOMMENDED CONSTRUCTION SEQUENCE

- PRE-CONSTRUCTION MEETING.
- POST SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR (MAY BE CONSOLIDATED WITH THE REQUIRED NOTICE OF CONSTRUCTION SIGN).
- FLAG OR FENCE CLEARING LIMITS.
- INSTALL CATCH BASIN PROTECTION, IF REQUIRED.
- GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
- INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
- CONSTRUCT SEDIMENT PONDS AND TRAPS (REFER TO NOTE 12 OF KC TESC NOTES).
- GRADE AND STABILIZE CONSTRUCTION ROADS.
- CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
- MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- 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 KING COUNTY EROSION AND SEDIMENT CONTROL STANDARDS.
- COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT.
- STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE.
- SEED, SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMP'S REMOVED IF APPROPRIATE.

ABBREVIATIONS:

| | |
|----------|---|
| ADA | AMERICANS WITH DISABILITIES ACT |
| AGG | AGGREGATE |
| APPROX. | APPROXIMATE |
| AVE | AVENUE |
| BC | BOTTOM OF CURB |
| CL | CENTER LINE, CLASS |
| CSBC | CRUSHED SURFACING BASE COURSE |
| CSTC | CRUSHED SURFACING TOP COURSE |
| CTR | CENTER |
| D | DELTA ANGLE |
| DIP | DUCTILE IRON PIPE |
| E | EAST |
| ELEV | ELEVATION |
| EX/EXIST | EXISTING |
| FF | FINISHED FLOOR |
| FIS BFE | FLOOD INSURANCE STUDY BASE FLOOD ELEVATION |
| G | GAS |
| H | HORIZONTAL |
| HMA | HOT MIX ASPHALT |
| L | LENGTH |
| LT | LEFT |
| MIN | MINIMUM |
| MNRL | MINERAL |
| NO | NUMBER |
| N | NORTH |
| N/A | NOT APPLICABLE |
| OH | OVERHEAD UTILITY |
| PL | PROPERTY LINE |
| POC | POINT OF CONNECTION |
| PVC | POLYVINYLCHLORIDE |
| PVI | POINT OF VERTICAL INTERSECTION |
| R | RADIUS |
| ROW | RIGHT OF WAY |
| RT | RIGHT |
| S | SOUTH |
| SD | STORM DRAIN |
| SL | STREET LIGHT |
| ST | STREET |
| STA | STATION |
| STD | STANDARD |
| TC | TOP OF CURB |
| TESC | TEMPORARY EROSION AND SEDIMENT CONTROL |
| TYP | TYPICAL |
| V | VERTICAL |
| W | WATER, WEST |
| WAC | WASHINGTON ADMINISTRATIVE CODE |
| WSDOT | WASHINGTON STATE DEPARTMENT OF TRANSPORTATION |
| # | NUMBER |
| & | AND |

SURVEY LEGEND

| | |
|--|------------------------------|
| | IRRIGATION CONTROL VALVE BOX |
| | WHEEL STOP |
| | YARD DRAIN |
| | HANDICAP PARKING |
| | CASED STREET MONUMENT |
| | FOUND REBAR AS NOTED |
| | FLAG POLE |
| | DRINKING FOUNTAIN |
| | FIRE HYDRANT |
| | WATER METER |
| | WATER VAULT |
| | WATER VALVE |
| | SANITARY SEWER MANHOLE |
| | SANITARY SEWER CLEAN OUT |
| | STORM DRAIN MANHOLE |
| | STORM DRAIN CLEAN OUT |
| | CATCH BASIN |
| | POLE ANCHOR |
| | GUY POLE |
| | POWER POLE |
| | POWER TRANSFORMER |
| | POWER VAULT |
| | GAS METER |
| | GAS VALVE |
| | TELEPHONE PEDESTAL |
| | SIGN |
| | STREET LIGHT |
| | ORNAMENTAL LANDSCAPE LIGHT |
| | BUSH |
| | POST |
| | BOLLARD |
| | CONCRETE |
| | STAMPED CONCRETE |
| | BRICK PAVERS |
| | BUILDING |
| | WATER SERVICE |
| | SANITARY SEWER |
| | STORM DRAIN |
| | OVERHEAD POWER |
| | POWER |
| | GAS |
| | TELECOMMUNICATIONS |
| | FENCE LINE |

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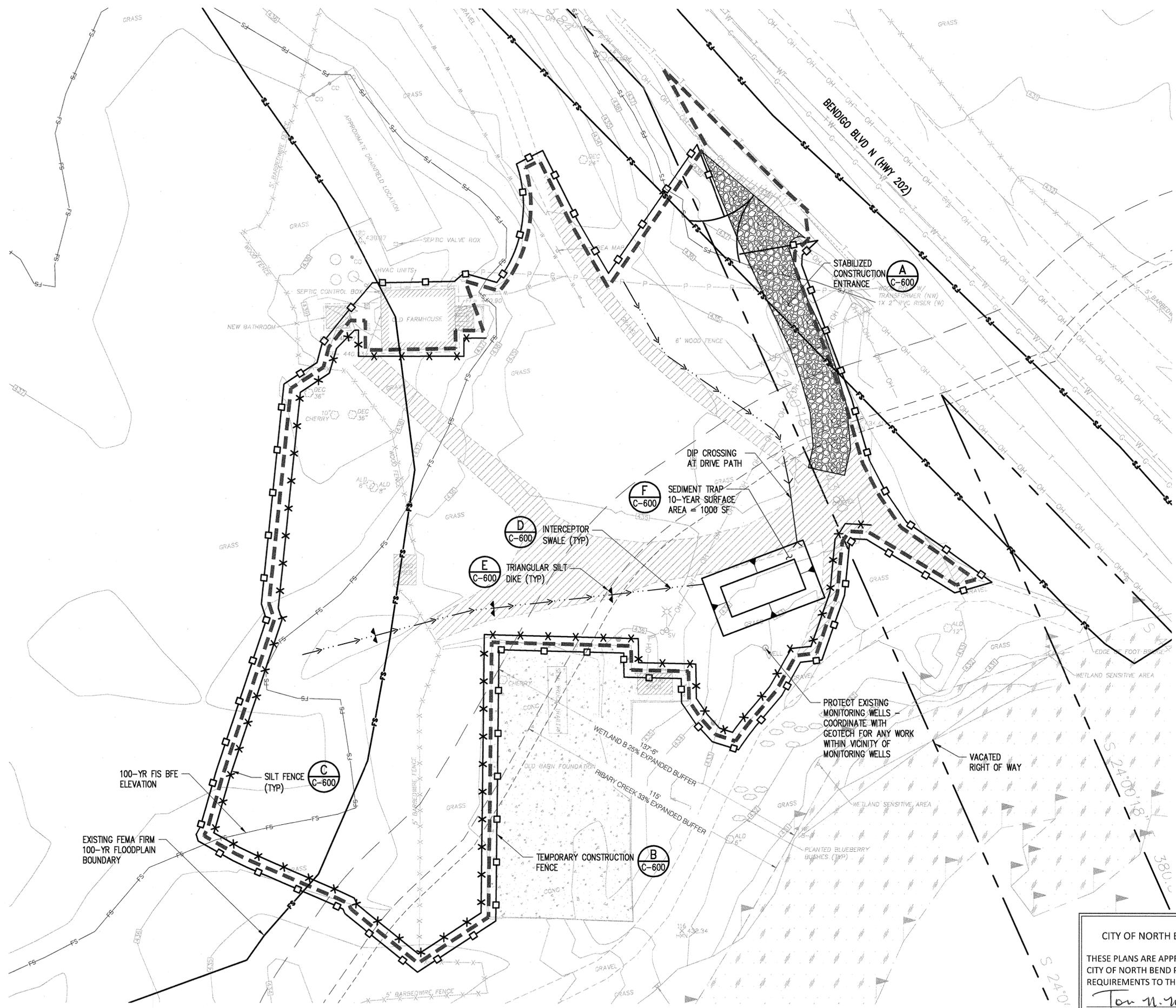
TOLLGATE FARMSTEAD IMPROVEMENTS
SI VIEW METROPOLITAN PARKS DISTRICT
1300 NORTH BEND WAY, NORTH BEND, WA 98045



SET TYPE: 100% IFC - BID DOCUMENTS
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REVISIONS:

NOTES AND LEGEND
C-101

Jun 08, 2021 - 3:08pm Jma#P Z:\1900001-1900991\1900916 Tollgate Farmstead\CAD\Design\DD\12.00 TH-TEC-01.dwg

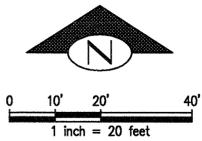


NOTES

1. CONTRACTOR SHALL PROVIDE TEMPORARY MEASURES TO DELINEATE LIMITS OF CONSTRUCTION. LIMITS SHALL NOT EXTEND FURTHER THAN 10' BEYOND PROPOSED IMPROVEMENTS UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL MEASURES TO PREVENT SEDIMENT LADEN RUNOFF AND/OR CONCENTRATED FLOW FROM LEAVING THE LIMITS OF CONSTRUCTION.
3. REFER TO L-000 FOR ITEMS TO PROTECT AND ADDITIONAL DEMOLITION FOR THIS SET.
4. EXISTING GRAVEL DRIVEWAY AND PARKING AREA WILL BE REMOVED AND REPLACED WITH LANDSCAPE IMPROVEMENTS. TOPOGRAPHY MAY BE ADJUSTED TO ADDRESS COMPENSATORY STORAGE, IF NEEDED.
5. REFER TO C-500 FOR NW 8TH STREET TESC PLAN.

LEGEND

- PROPERTY LINE
- CENTERLINE
- LIMITS OF DEMOLITION
- TEMPORARY CONSTRUCTION FENCE LINE
- TEMPORARY CONSTRUCTION ENTRANCE
- SILT FENCE
- INTERCEPTOR SWALE
- TRIANGULAR SILT DIKE
- EXIST 100-YR FLOOD BOUNDARY (FEMA)
- 100-YR FIS BFE ELEVATION
- WETLAND B 25% EXPANDED BUFFER
- RIBARY CREEK 33% EXPANDED BUFFER



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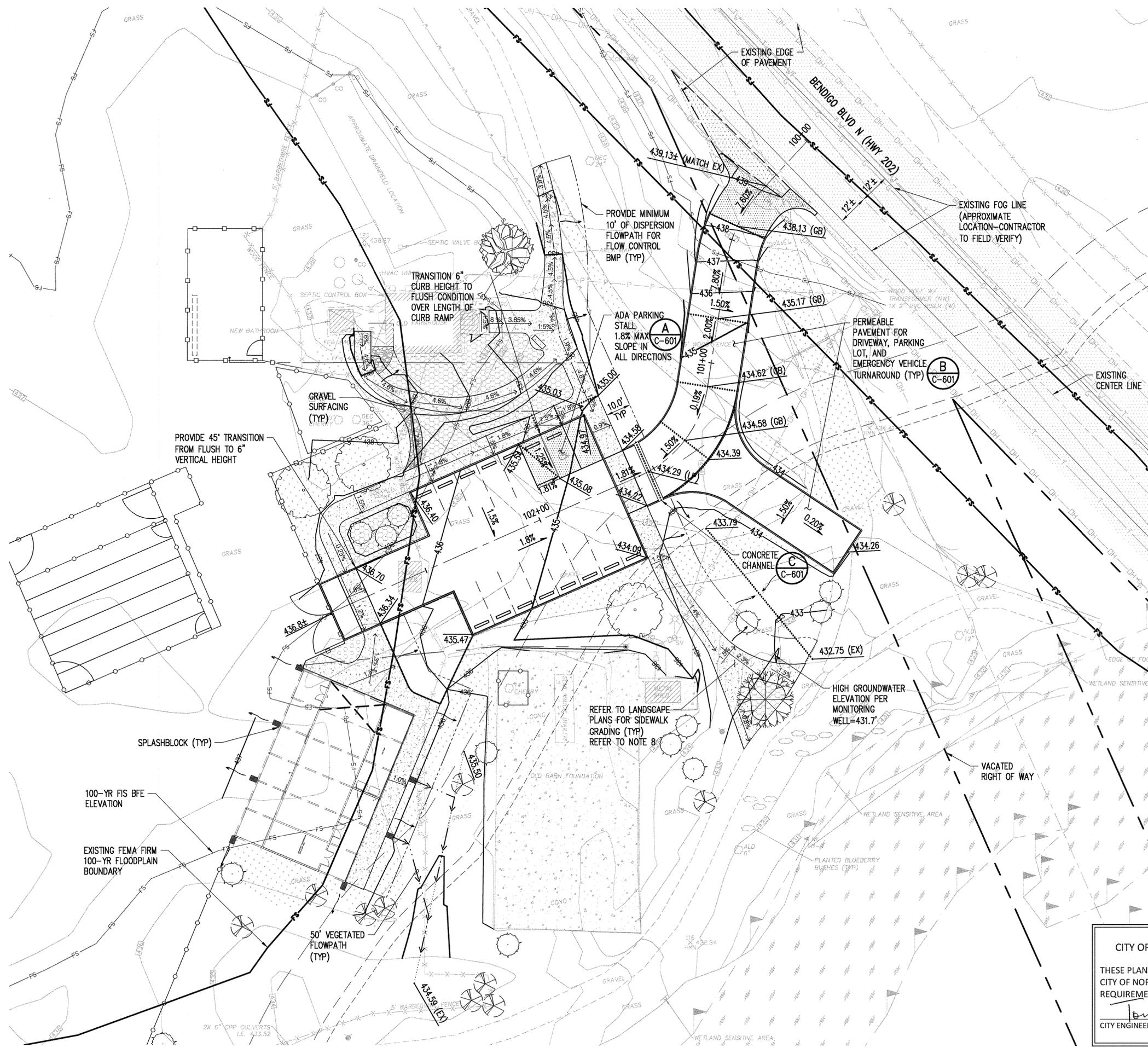


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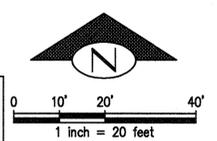


NOTES:

- PER NORTH BEND MUNICIPAL CODE, THE CITY OF NORTH BEND ADOPTS THE 2009 KING COUNTY SURFACE WATER DESIGN MANUAL. THE PROJECT IS REQUIRED TO ASSESS ALL 8 CORE REQUIREMENTS AND ALL 5 SPECIAL REQUIREMENTS. REFER TO THE TECHNICAL INFORMATION REPORT FOR A DETAILED ANALYSIS OF ALL CORE REQUIREMENTS.
- THE PROJECT MITIGATES ALL IMPERVIOUS SURFACES WITH PERMEABLE PAVING OR BASIC DISPERSION. PER THE 2009 KCSWDM, THE PROJECT QUALIFIES FOR THE IMPERVIOUS SURFACE PERCENTAGE EXEMPTION AND IS NOT REQUIRED TO PROVIDE ADDITIONAL FLOW CONTROL ANALYSIS OR BMPs.
- TO MEET ENHANCED WATER QUALITY, THE NATIVE SOILS BENEATH THE PERMEABLE PAVING WERE TESTED TO MEET THE REQUIREMENT SET FORTH IN SECTION 6.3.2 OF THE 2012 LID TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND. EXISTING SOILS MEET THESE REQUIREMENTS AND NO FURTHER WATER QUALITY IS REQUIRED.
- NEW BARN ROOF WILL BE MITIGATED VIA DISPERSION SPLASH BLOCKS PER SECTION C.2.4.2 OF THE 2009 KCSWDM. REFER TO ARCHITECTURAL FOR LOCATION OF DOWNSPOUTS, WHICH WILL EACH HAVE A SPLASH BLOCK.
- NEW SIDEWALK RUNOFF WILL BE MITIGATED VIA SHEET FLOW TO BASIC DISPERSION PER SECTION C.2.4.5 OF THE 2009 KCSWDM. BECAUSE THE SIDEWALKS ARE LESS THAN 10 FEET WIDE, A STRIP OF CRUSHED ROCK IS NOT REQUIRED ADJACENT TO SIDEWALK. REFER TO LANDSCAPE FOR SIDEWALK GRADING.
- CONSTRUCTION OF NEW DRIVEWAY AND PARKING LOT ANTICIPATES NET FILL OF APPROXIMATELY 40 CUBIC YARDS. REFER TO APPENDIX F OF THE TECHNICAL INFORMATION REPORT FOR A ZERO-RISE ANALYSIS PERFORMED BY WATERSHED COMPANY.
- GRADING IN AREAS OUTSIDE OF VEHICLE PAVEMENT SURFACES ARE SHOWN FOR REFERENCE. REFER TO LANDSCAPE PLANS FOR DETAILED GRADING OF SIDEWALKS, PATHWAYS, AND LANDSCAPE AREAS.
- PERMEABLE PAVEMENT WILL INCLUDE SUBSURFACE CHECK DAMS EVERY 8' OF GRADE LOSS IN AREAS WITH A SLOPE OVER 3%. REFER TO SHEET C-601 FOR LOCATION ON PROFILE AND DETAIL D FOR GEOMETRY.
- CONTRACTOR SHALL PROTECT PERMEABLE PAVEMENT DURING INSTALLATION AND CONSTRUCTION AND SHALL PREVENT SEDIMENT MIGRATION ONTO SURFACE AND INTO SECTION.

LEGEND

- FLOW DIRECTION
- SLOPE ARROW
- MINOR CONTOUR
- MAJOR CONTOUR
- SPLASH BLOCK
- LANDSCAPE AREA
- EXIST 100-YR FLOOD BOUNDARY (FEMA)
- 100-YR FIS BFE ELEVATION
- WETLAND B 25% EXPANDED BUFFER
- RIBARY CREEK 33% EXPANDED BUFFER
- EXISTING ROADWAY
- GRAVEL PATH
- VEGETATED FLOW PATH FOR SPLASH BLOCK



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John M. ... 7-16-21
CITY ENGINEER OR PUBLIC WORKS DIRECTOR DATE



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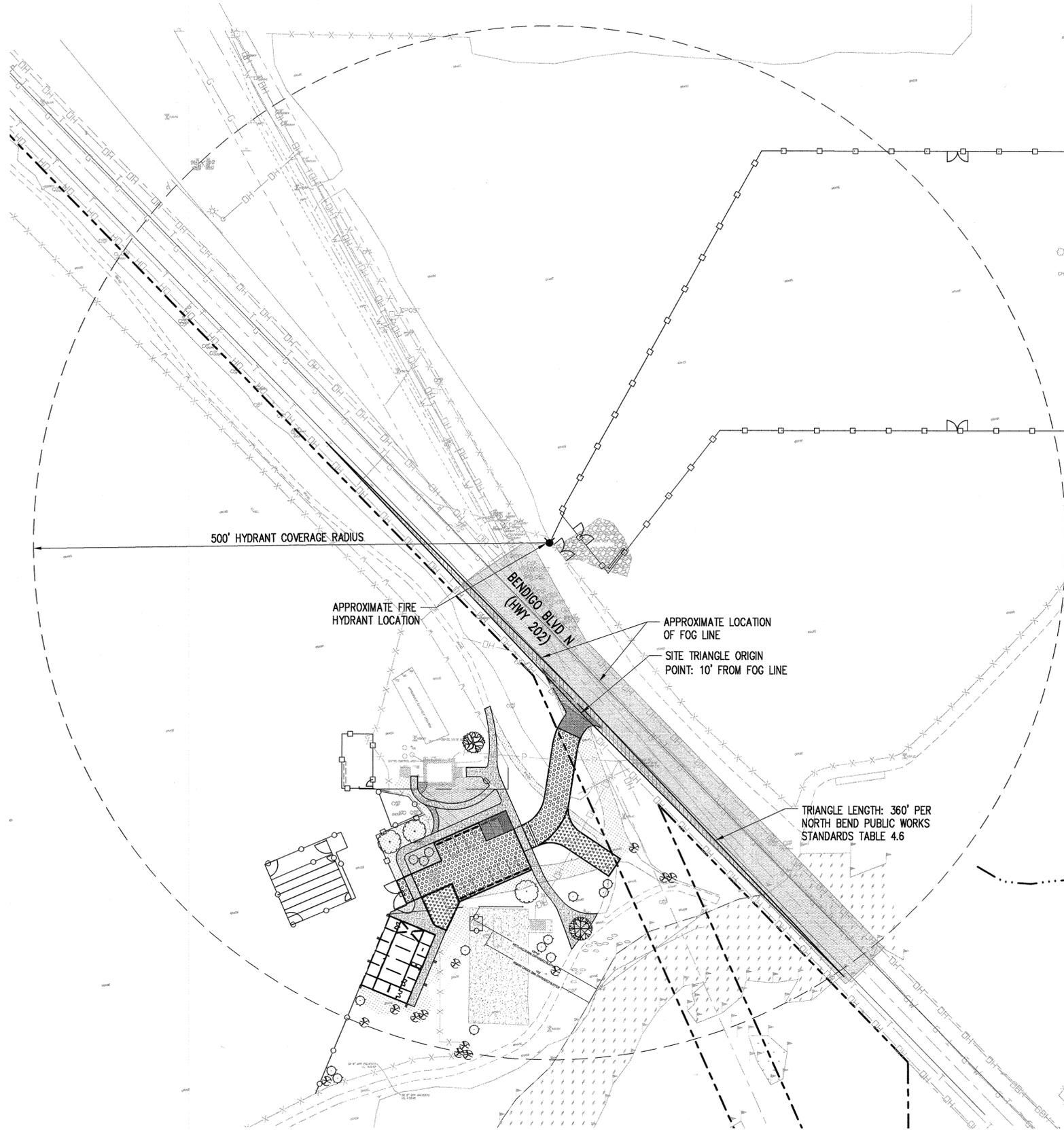


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REVISIONS:

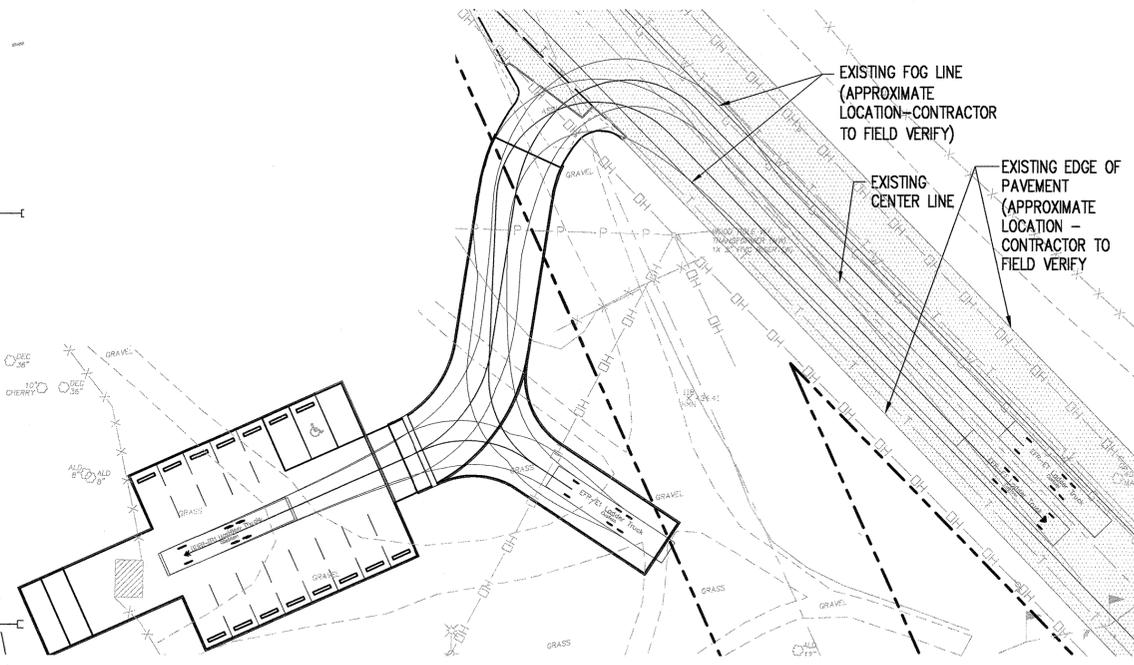
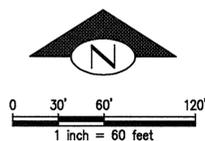
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SHEET NUMBER: C-300
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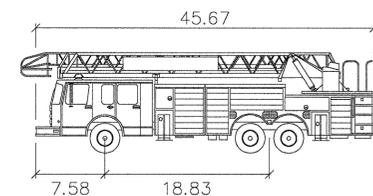
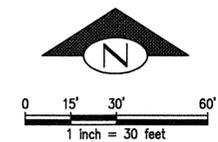
Jun 08, 2021 - 3:10pm Jma#P



HYDRANT COVERAGE PLAN & STOPPING SIGHT EXHIBIT

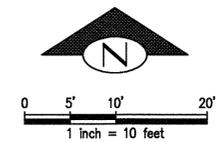


FIRE TRUCK VEHICLE TURNING



EFR - Ladder Truck
 feet
 Width : 8.00
 Track : 6.00
 Lock to Lock Time : 6.0
 Steering Angle : 34.0

FIRE TRUCK VEHICLE PROFILE



LEGEND



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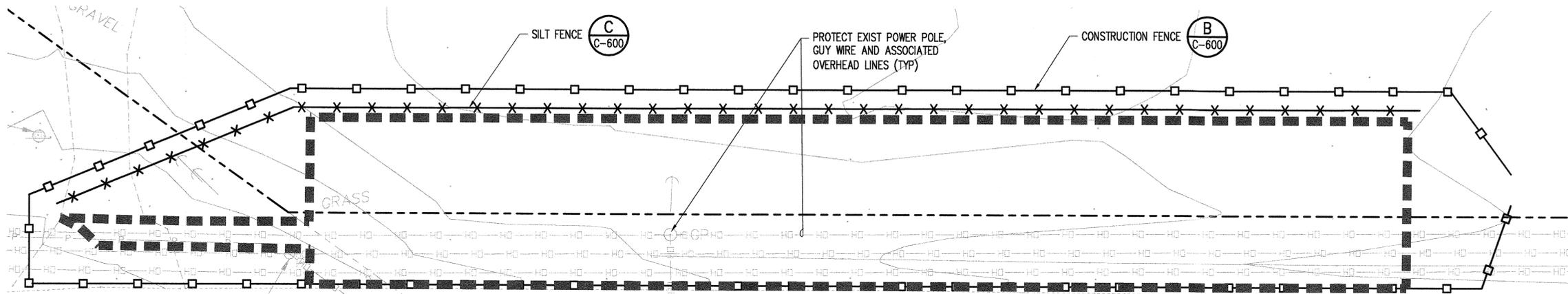
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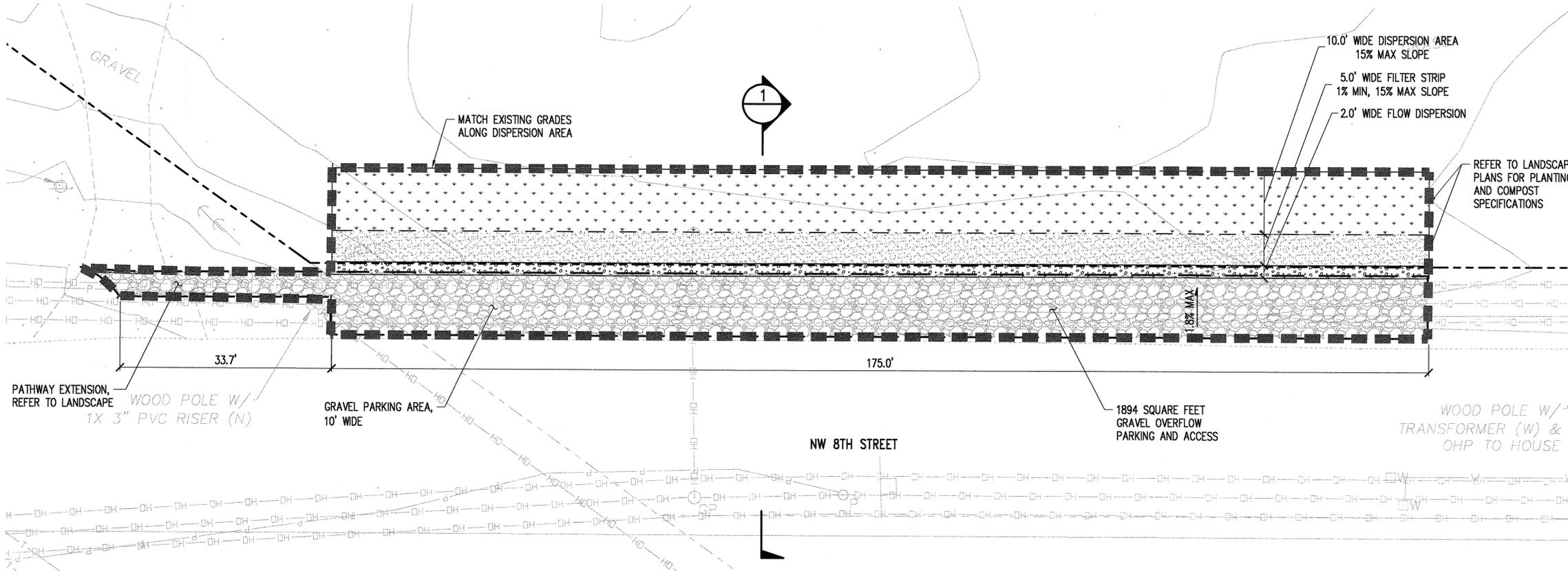
SHEET NAME:
 CIVIL HYDRANT & FIRE TRUCK TURNING PLAN
 SHEET NUMBER:

C-410

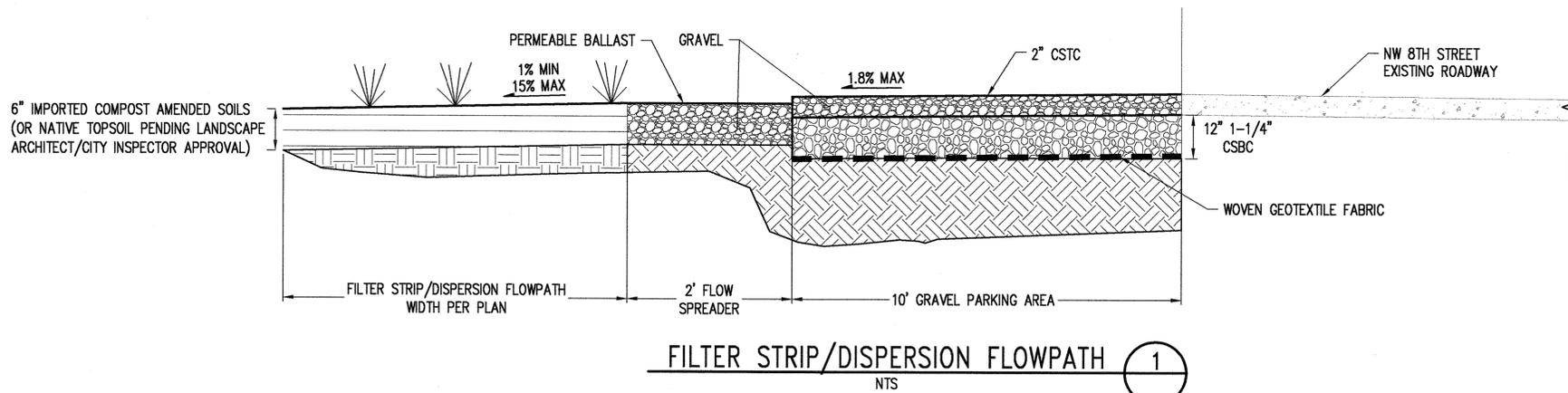
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NW 8TH STREET TESC AND DEMOLITION PLAN



NW 8TH STREET GRADING AND DRAINAGE PLAN



FILTER STRIP/DISPERSION FLOWPATH 1

NOTES:

1. CONTRACTOR SHALL PROVIDE TEMPORARY MEASURES TO DELINEATE LIMITS OF CONSTRUCTION. LIMITS SHALL NOT EXTEND FURTHER THAN 10' BEYOND PROPOSED IMPROVEMENTS UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL MEASURES TO PREVENT SEDIMENT LADEN RUNOFF AND/OR CONCENTRATED FLOW FROM LEAVING THE LIMITS OF CONSTRUCTION.

NOTES:

1. GRAVEL PARKING AREA TO BE MITIGATED THROUGH FILTER STRIP AND BASIC DISPERSION, PER 2009 KCSWDM.
2. A DECLARATION OF COVENANT AND GRANT OF EASEMENT WILL BE REQUIRED WITH IMPLEMENTATION OF BASIC DISPERSION AND FILTER STRIP. REFER TO APPENDIX I OF THE TECHNICAL INFORMATION.



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SET ISSUE DATE: 06.09.2021
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SHEET NUMBER:

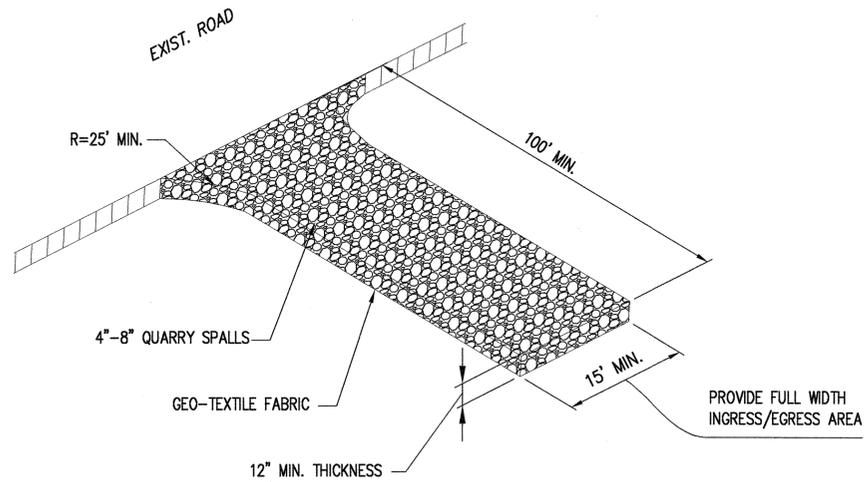
C-500

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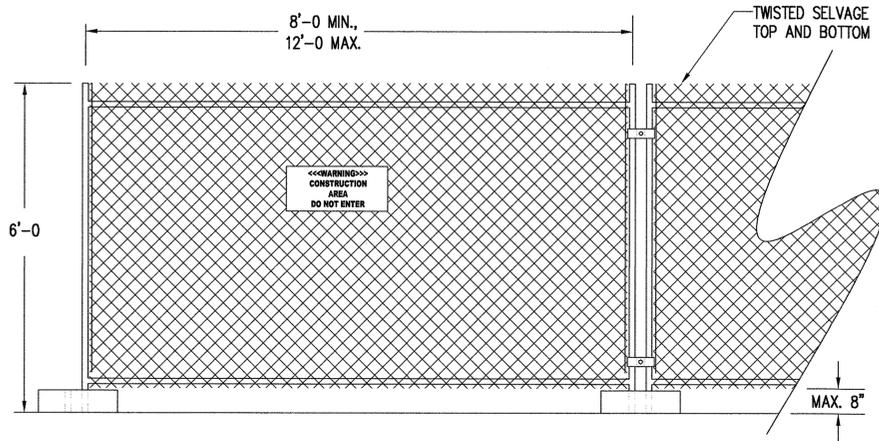
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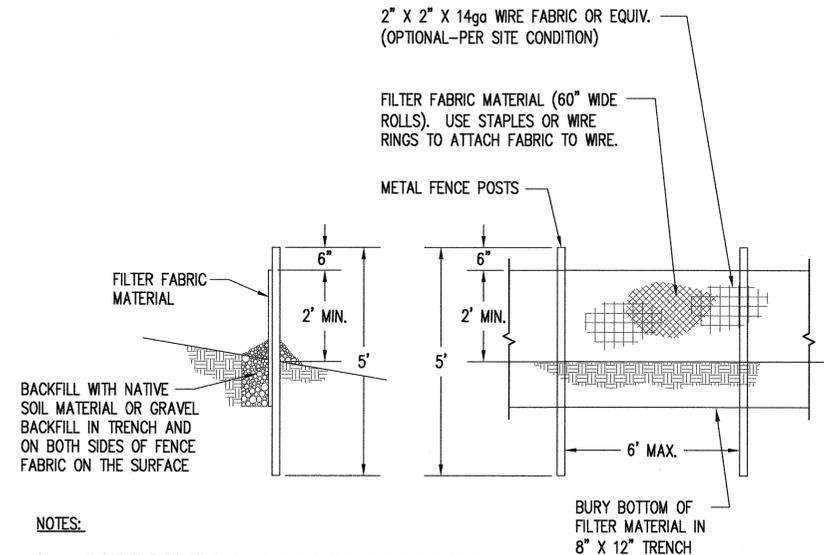


TEMPORARY CONSTRUCTION ENTRANCE
NTS
(PER KCSWDM) **A**
C-200



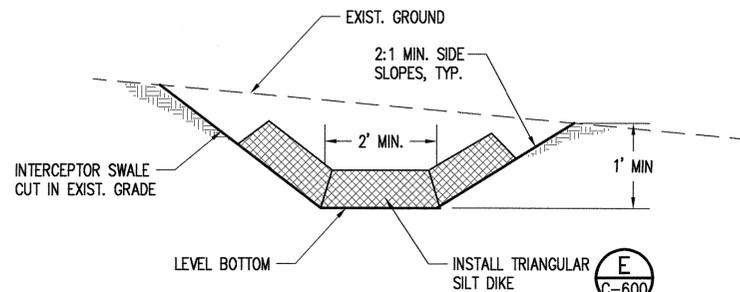
- NOTES:**
- CHAIN LINK FABRIC TO BE MIN. 11 GAUGE, GALVANIZED. NO RUSTED OR EXCESSIVELY MALFORMED FABRIC.
 - FENCE BASES SHALL BE OF SUFFICIENT WEIGHT AND/OR SPREAD TO ADEQUATELY SUPPORT EACH PANEL.
 - PANEL-TO-PANEL CONNECTIONS SHALL BE MADE AT A MIN. TWO LOCATIONS PER CONNECTION UNLESS OTHERWISE APPROVED.
 - PROVIDE CONSTRUCTION WARNING SIGNAGE AT 50' O.C. ALONG FENCING INSTALLATION.

TEMPORARY CONSTRUCTION FENCE
NTS **B**
C-200



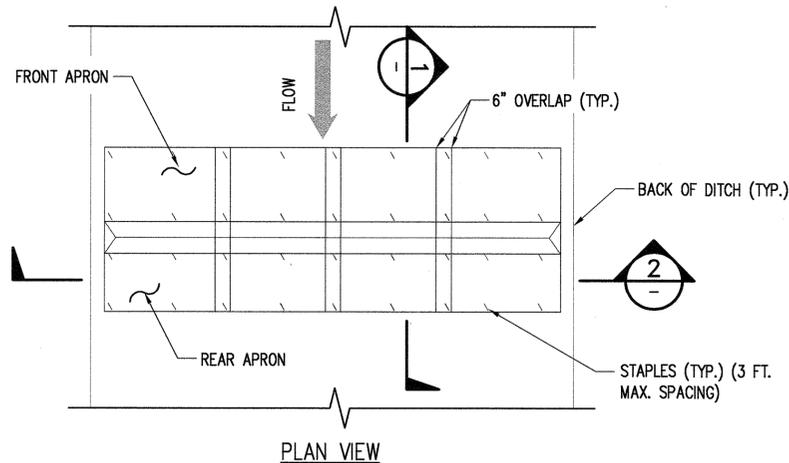
- NOTES:**
- ANGLE SILT FENCE BACK UP THE SLOPE AT THE END OF RUN.
 - WHERE LOCATED UPSTREAM OF WETLANDS OR STREAM, INSTALL 2 PARALLEL FENCES 5' APART.

SILT FENCE
NTS
(PER KCSWDM) **C**
C-200

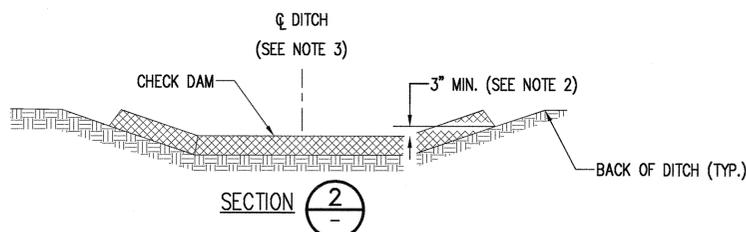


NOTE:
DAMAGE RESULTING FROM RUNOFF OR CONSTRUCTION ACTIVITY SHALL BE REPAIRED IMMEDIATELY.

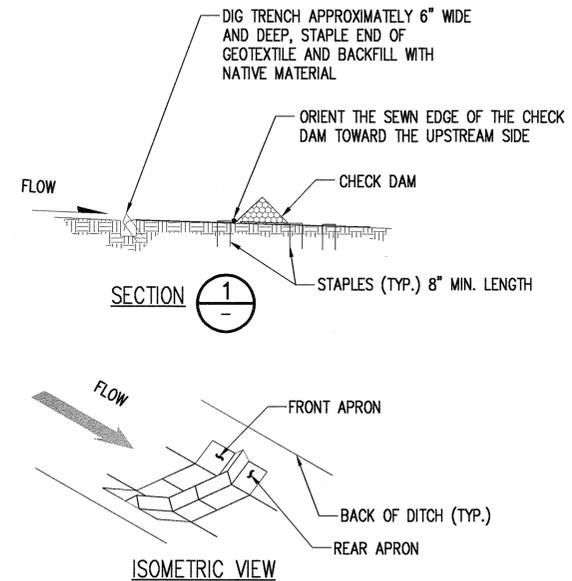
INTERCEPTOR SWALE
NTS
(PER KCSWDM) **D**
C-200



PLAN VIEW



SECTION 2
NTS
(PER KCSWDM) **E**
C-200



- NOTES:**
- INSTALL THE SLOPED ENDS OF THE CHECK DAM A MINIMUM OF 3" HIGHER THAN THE TOP OF THE CHECK DAM IN THE CHANNEL TO ENSURE THAT WATER FLOWS OVER THE DAM AND NOT AROUND IT.
 - FLAT BOTTOM DITCH DESIGN SHOWN, CHECK DAM INSTALLATION DETAILS ARE SIMILAR FOR "V" BOTTOM DITCHES.
 - PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(14).

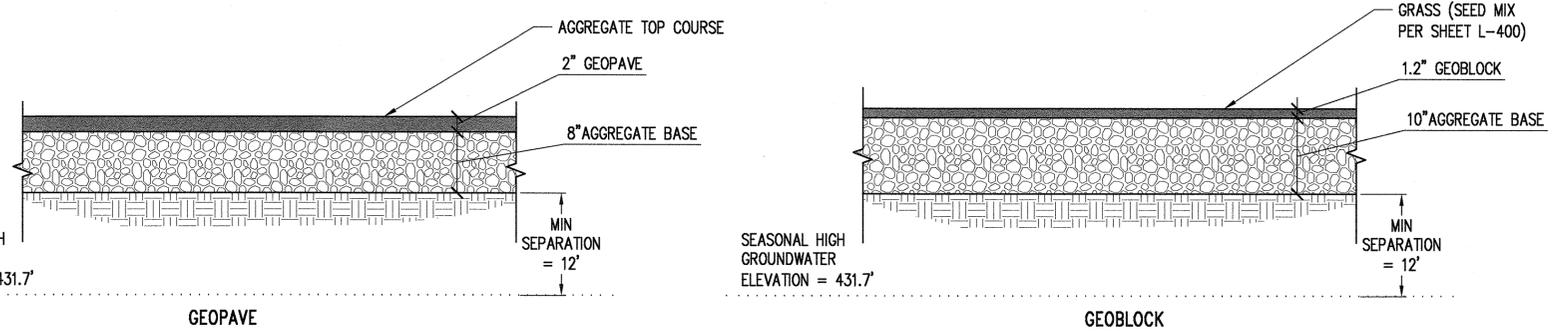
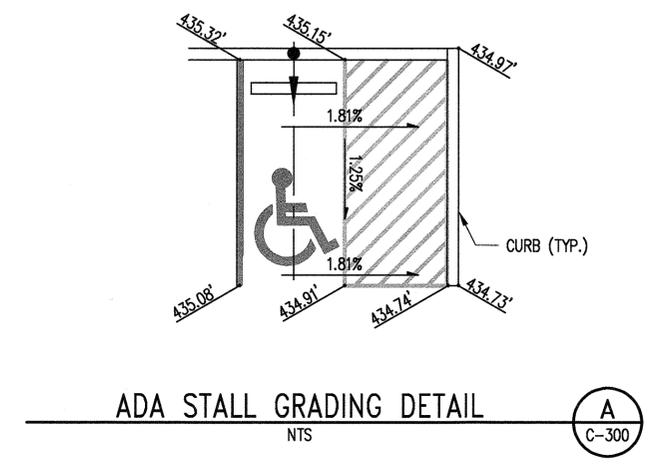
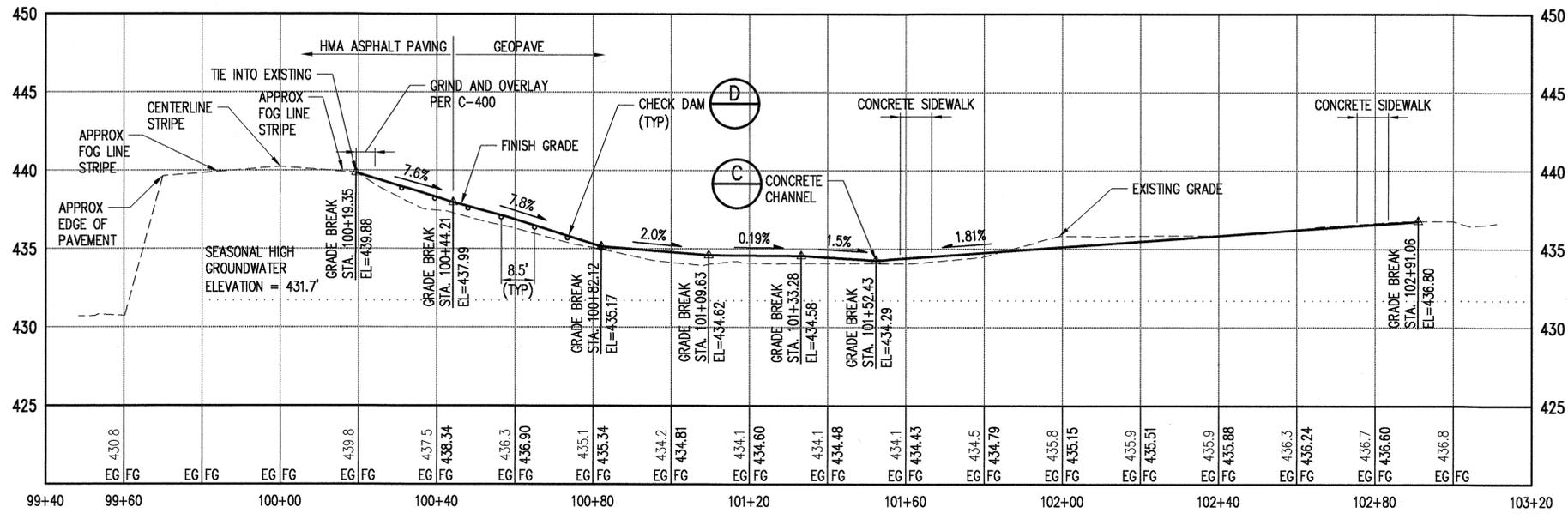
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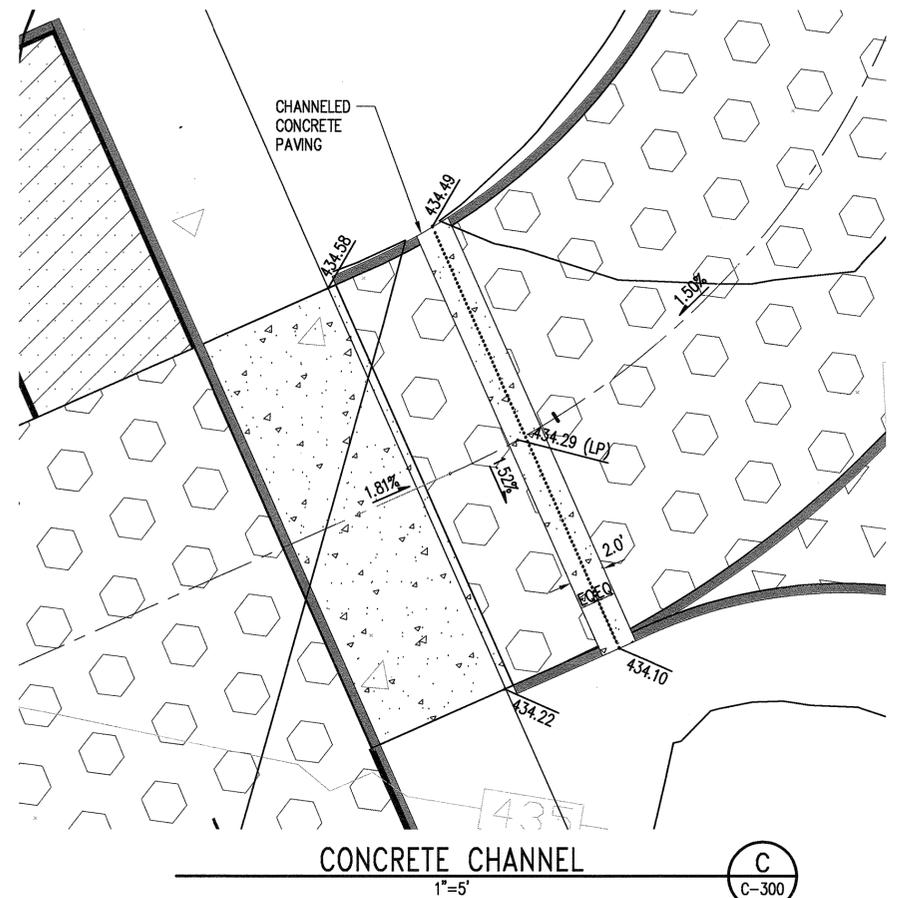
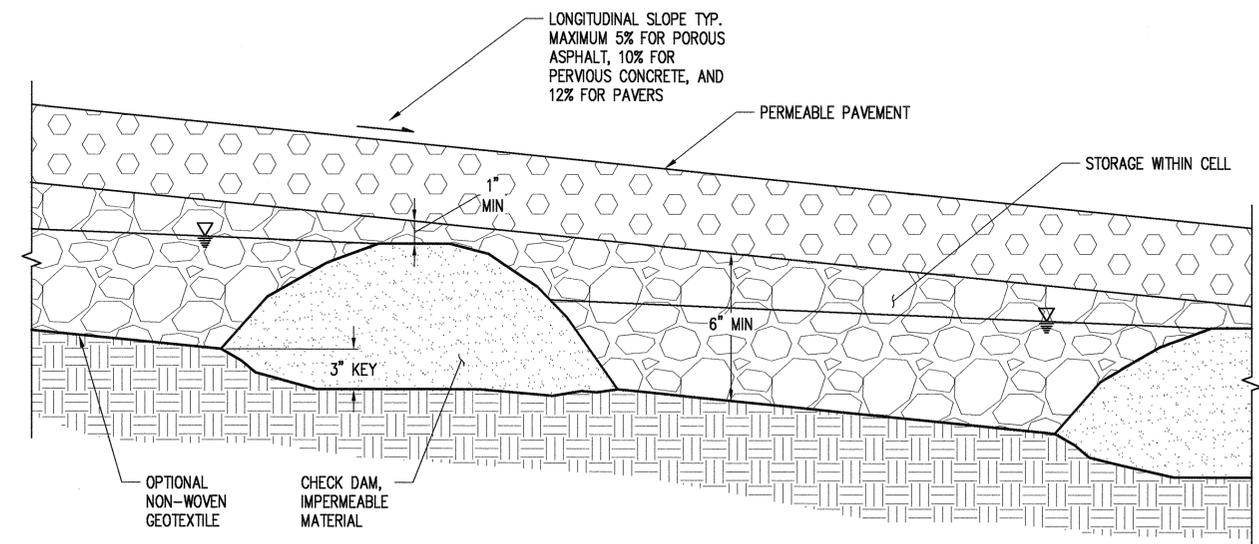
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- * AGGREGATE BASE SHALL BE 5/8" CRUSHED ROCK AND MEET MANUFACTURER'S REQUIREMENTS
- ** AGGREGATE TOP COURSE SHALL BE GEOPAVE GRAVEL PAVERS AND MEET MANUFACTURER'S REQUIREMENTS



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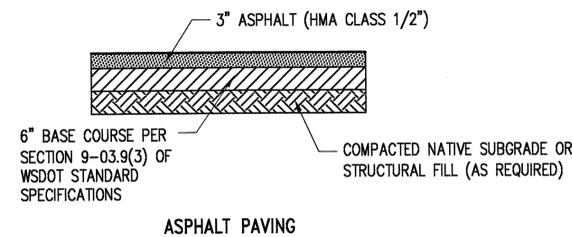
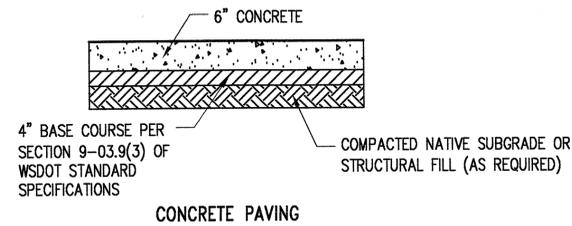
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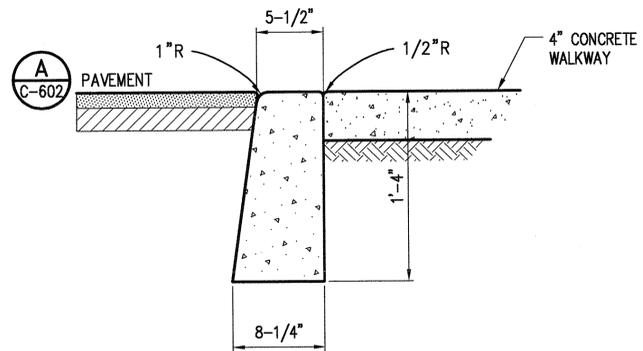


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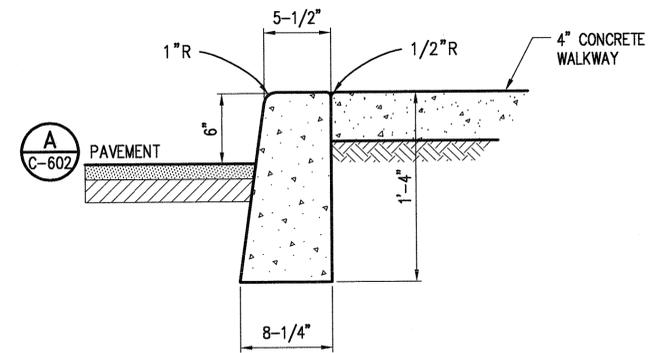
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SHEET NUMBER: C-601



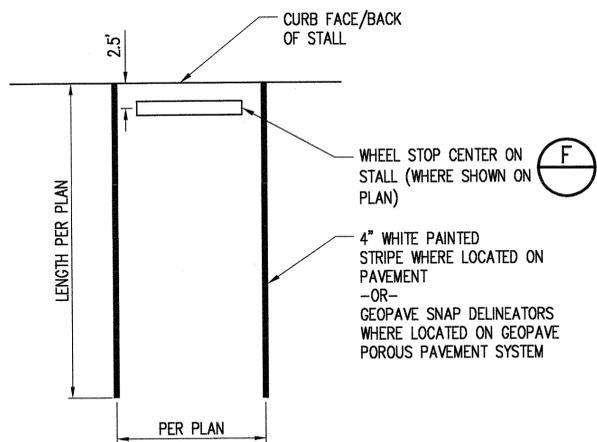
VEHICULAR PAVING TYP. SECTION **A**
NTS C-400



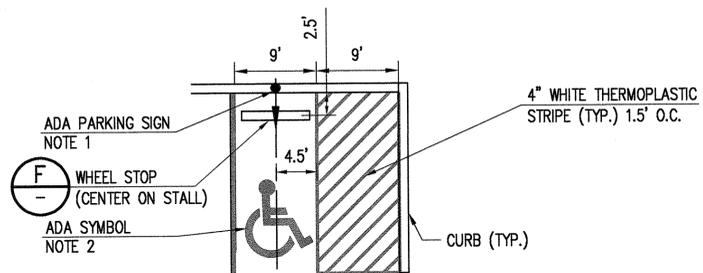
FLUSH CURB **B**
NTS C-400
(MODIFIED CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04)



TRAFFIC CURB **C**
NTS C-400
(CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04)

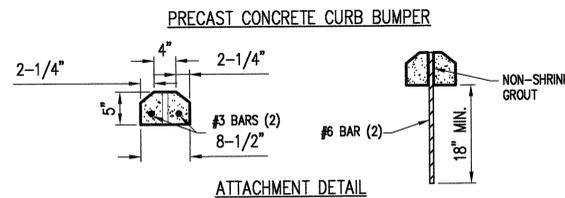
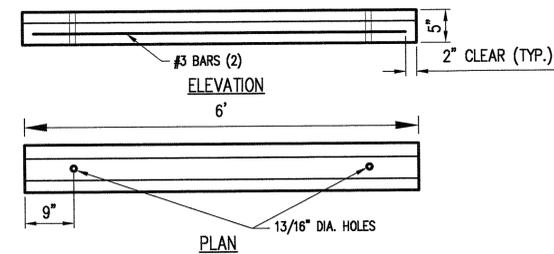


PARKING STALL **D**
NTS C-400



- NOTES
- REFER TO ARCHITECTURAL PLANS FOR SIGN DETAILS.
 - AN ACCESSIBLE PARKING SPACE SYMBOL PER WSDOT STD. PLAN M-24.60-02 IS REQUIRED FOR EACH ACCESSIBLE PARKING STALL.

ADA STALL STRIPING DETAIL **E**
NTS C-400



- NOTES
- THE NON-SHRINK GROUT USED SHALL CONSIST OF 3:1 SAND AND CEMENT. GROUT TO A DEPTH OF 1" FROM THE TOP OF THE BUMPER.
 - LOCATIONS FOR WEEPHOLES, AND V-SLOTS SHALL BE IDENTIFIED ON THE DELIVERY ORDER DRAWINGS.
 - CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF AT LEAST 3000 PSI AT 28 DAYS.

WHEEL STOP **F**
NTS C-400

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CIVIL PAVING DETAILS

SHEET NUMBER:
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