









# PORTION OF NE1/4 OF SECTION 30, TOWNSHIP 24N, RANGE 5E, WM ALTMAN PARCEL A

### SPECIAL CONTRACTOR NOTES

CONTRACTOR TO INSURE THAT THE FINAL DRIVEWAY GRADE AND CATCH BASIN/YARD DRAIN ELEVATIONS ARE CONSTRUCTED TO RESTRICT ANY STORM DRAINAGE FROM LEAVING THE DRIVEWAY SURFACE.

### RETAINING WALL NOTES

ALL WALL DESIGN, REINFORCEMENT, WATERPROOFING, AND RETAINING WALL DRAINAGE CONTROL PER STRUCTURAL AND ARCHITECTURAL PLANS AND SPECIFICATIONS.

INSTALL 36" HANDRAILING AS NECESSARY WHERE WALLS EXCEED 30" IN HEIGHT SEE ARCHITECT'S PLANS.

### WORK WITHIN EXISTING TREE DRIPLINES NOTES

ALL TRENCHES THAT ARE EXCAVATED WITHIN TREE DRIP LINES SHALL BE EXCAVATED WITH AN AIR SPADE SO THAT UTILITY LINES CAN BE INSTALLED WITHOUT CUTTING MAJOR ROOTS. ROOTS EXPOSED IN OPEN TRENCHES MUST BE KEPT MOIST BY BEING COVERED WITH MOISTENED BURLAP UNTIL THE TRENCH CAN BE CLOSED.

ALL GRADING WITHIN THE TPZ OF THE TREES TO REMAIN SHALL BE ACCOMPLISHED UNDER THE DIRECTION OF THE ARBORIST.

### SOIL AMENDMENT NOTE

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP 15.13. THE PROJECT GEOTECHNICAL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENT SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.

### TRENCH EXCAVATION NOTES

ALL SEWER AND DRAINAGE PIPES SHALL BE BACKFILLED TO 95% MDD (N/TENT: TO RESTRICT SUBSURFACE DRAINAGE FROM TRAVELING ALONG THE PIPE BARREL).

### SITE IMPROVEMENT NOTES

- 1 PROVIDE SMOOTH TRANSITION FROM EXISTING IMPROVEMENTS TO NEW IMPROVEMENTS.
- 2 CONSTRUCT DRIVEWAY SECTION PER DETAIL SHEET 5. FINISH, TEXTURE, JOINTS, REINF. ETC. PER ARCHITECT'S & STRUCTURAL PLANS.
- 3 RETAINING WALLS AT LOCATIONS SHOWN. FINISH, TEXTURE, JOINTS, REINF. ETC. PER ARCHITECT'S & STRUCTURAL PLANS. SEPARATE BUILDING PERMIT REQUIRED IF GREATER THAN 4' HIGH.
- 4 CONSTRUCT MODULAR LANDSCAPE RETAINING WALLS ADJACENT TO BUILDING PER MANUFACTURER REQ'T'S. PERMIT REQUIRED IF GREATER THAN 4' HIGH.
- 5 SEE LANDSCAPING PLAN BY OTHERS FOR LANDSCAPE.
- 6 SEE ILLUMINATION PLAN BY OTHERS FOR LANDSCAPE LIGHTING & ASSOCIATED APPURTENANCES.
- 7 REFUSE / RECYCLE AREA PER ARCHITECT'S PLANS.
- 8 FLOWLINE OF DRIVEWAY PAVEMENT, TYP.
- 9 DECKS, CATWALKS, STEPS AS SHOWN. MATERIAL, FINISH, TEXTURE, ETC. PER ARCHITECT'S & STRUCTURAL PLANS.

### STORM DRAINAGE NOTES

- 1 CATCH BASIN, 48"Ø TYPE 2 WSDOT SD B-10.20-02 W/ SOLID ROUND LOCKING LID. LOCATE ON EXISTING 12" CP.
- 2 SDCO PER SD MI S-19 W/ TRAFFIC RATED LID.
- 3 SDCO PER SD MI S-19 W/ PVC CAP 6" ABOVE FINISH GRADE.
- 4 CONSTRUCT 4"Ø PERF. PVC FOOTING DRAIN.
- 5 CATCH BASIN TYPE 2-54"Ø W/ SOL. LOCKING LID & RESTRICTOR PER CITY OF MERCER ISLAND ON-SITE DETENTION SYSTEM WORKSHEET DETAIL. SEE DETENTION SYSTEM WORKSHEET, PLAN & PROFILES SHEETS 3 & 4.
- 6 CONSTRUCT 6"Ø PVC OUTFALL STORM DRAIN SYSTEM.
- 7 CONNECT FOOTING DRAIN TO TIGHTLINE TO OUTFALL STORM SYSTEM 1' MIN. LOWER THAN LOWEST FOOTING DRAIN.
- 8 CONSTRUCT 6"Ø PVC ROOF DRAIN COLLECTOR @ S=1.00% MIN.
- 9 PRIVATE YARD\AREA DRAIN SEE DETAIL SHEET 5.
- 10 DOWNSPOUTS PER ARCHITECT'S PLANS.
- 11 FOOTING DRAIN NOT TO BE CONNECTED TO DETENTION SYSTEM.
- 12 STORM DRAIN CLEANOUT 100 FEET MAXIMUM BETWEEN CLEANOUTS.
- 13 PROVIDE DIP PIPE SLEEVE FOR PENETRATIONS THROUGH WALLS AS REQUIRED. COORDINATE LOCATIONS W/ STRUCTURAL PLANS. SLEEVE TO BE ONE PIPE SIZE LARGER THAN DESIGN PIPING SIZE (O.D.).
- 14 SAWCUT, REMOVE & PATCH EXISTING PAVEMENT PER CITY OF MERCER ISLAND REQUIREMENTS IN RIGHT-OF-WAY AT TRENCH CROSSING PER COMI STANDARDS.
- 15 SAWCUT, REMOVE & PATCH EXISTING PAVEMENT TO ORIGINAL CONDITION OR BETTER PER COMI STANDARDS.
- 16 6"Ø PVC ROOF/AREA DRAIN PIPING TO CONNECT TO ROOF DRAIN COLLECTOR.
- 17 ADJACENT LOT IS OWNED BY THE SAME OWNER AND 15' STORM & SEWER EASEMENT WILL BE PROVIDED WITH THE NEXT SUBMITTAL.

### WATER NOTES

- 1-1" WATER SERVICE PER SD MI W-13. METER/SERVICE SIZE PER WATER SYSTEM BUILDING PLANS BY PLUMBING/MECHANICAL DESIGNER. CONSTRUCT OVERSIZE POLY PIPE OR PVC TO RESIDENCE TO ACCOMMODATE FLOW REQUIREMENTS (1-1/4" MINIMUM SIZE).
- 2 SAWCUT, REMOVE & PATCH EXISTING PAVEMENT TO ORIGINAL CONDITION OR BETTER AT PRIVATE TRENCH PER COMI STANDARDS.
- 3 RESTORE DISTURBED LANDSCAPE AREAS TO PRE-EXISTING CONDITION OR BETTER TO THE SATISFACTION OF THE PROPERTY OWNER.
- 4 EXISTING WATER SERVICE LINES ARE LOCATED WITHIN THE IMMEDIATE AREA OF WORK. CONTRACTOR RESPONSIBLE TO COORDINATE ANY SHUT-DOWNS WITH ADJACENT PROPERTIES. REPAIR ANY SERVICE LINES DAMAGED TO ORIGINAL CONDITION OR BETTER.

### SANITARY SEWER NOTES

- 1 CONNECT NEW 6" SIDE SEWER TO EXISTING SANITARY SEWER SYSTEM PER COMI STANDARDS. VERIFY LOCATION & INVERTS.
- 2 SAWCUT, REMOVE & PATCH EXISTING PAVEMENT PER CITY OF MERCER ISLAND REQUIREMENTS IN RIGHT-OF-WAY AT TRENCH CROSSING PER COMI STANDARDS.
- 3 SSCO PER SD MI S-19 W/ TRAFFIC RATED LID.
- 4 SSCO PER SD MI S-19 W/ PVC CAP 6" ABOVE FINISH GRADE.
- 5 CONSTRUCT TEMP. CAP FOR FUTURE BUILDING CONNECTION.
- 6 CONSTRUCT 6" SANITARY SIDE SEWER AT S=0.0200'/ MINIMUM TO BUILDING. SEE SANITARY SEWER SYSTEM BUILDING PLANS BY PLUMBING DESIGNER CONFIRM LOCATION W/ ARCHITECT.
- 7 SAWCUT, REMOVE & PATCH EXISTING PAVEMENT TO ORIGINAL CONDITION OR BETTER PER COMI STANDARDS.
- 8 EXISTING GAS LINE IN WORK AREA. CONTRACTOR TO COORDINATE CONSTRUCTION OF SANITARY SIDE SEWER & PROTECT GAS LINE FROM ANY DAMAGE.

### ARCHITECTURAL & STRUCTURAL NOTES

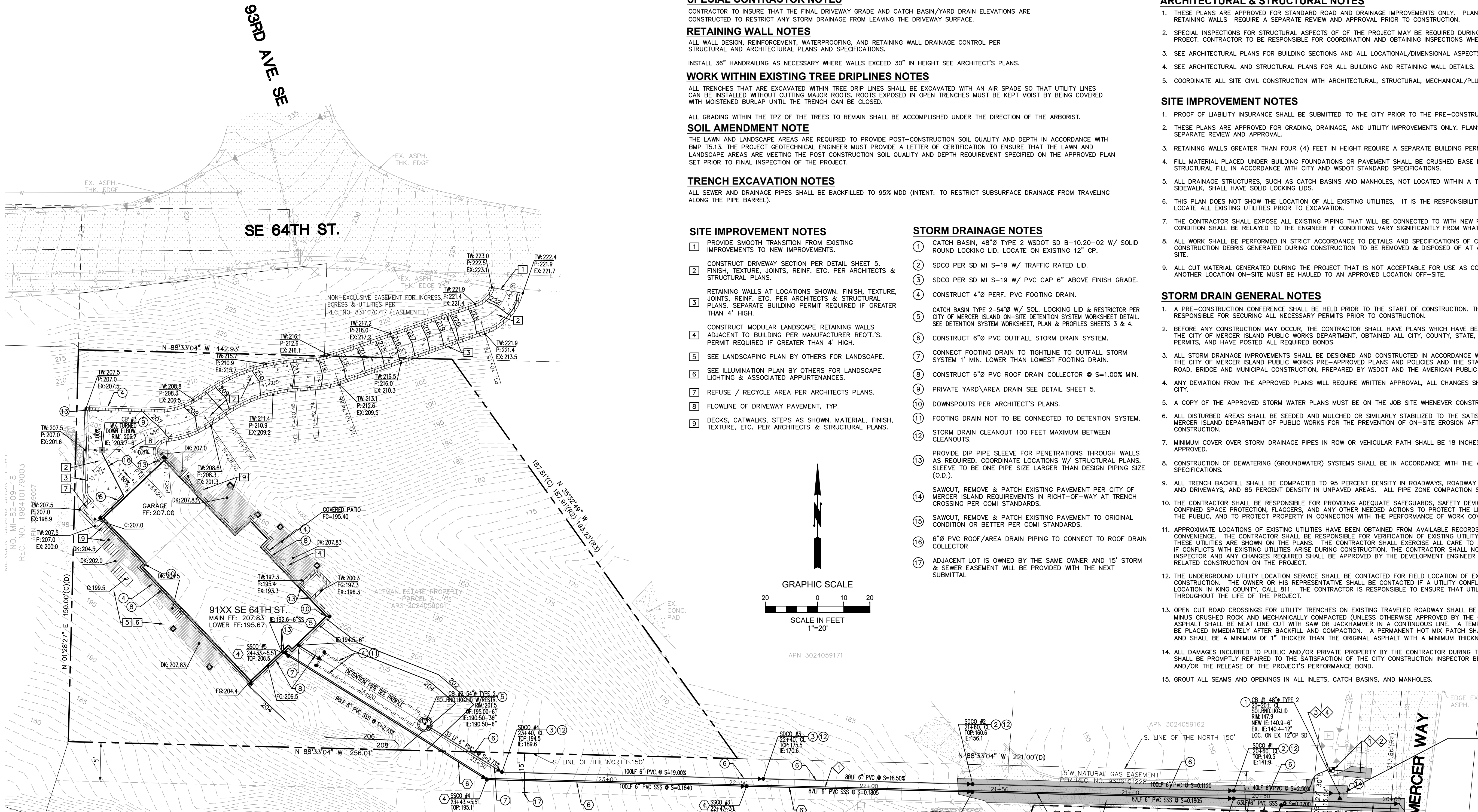
- 1 THESE PLANS ARE APPROVED FOR STANDARD ROAD AND DRAINAGE IMPROVEMENTS ONLY. PLANS FOR STRUCTURES SUCH AS RETAINING WALLS - REQUIRE A SEPARATE REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- 2 SPECIAL INSPECTIONS FOR STRUCTURAL ASPECTS OF THE PROJECT MAY BE REQUIRED DURING VARIOUS STAGES OF THE PROJECT. CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION AND OBTAINING INSPECTIONS WHEN AND WHERE NECESSARY.
- 3 SEE ARCHITECTURAL PLANS FOR BUILDING SECTIONS AND ALL LOCATIONAL/DIMENSIONAL ASPECTS OF BUILDINGS.
- 4 SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL BUILDING AND RETAINING WALL DETAILS.
- 5 COORDINATE ALL SITE CIVIL CONSTRUCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL/PLUMBING AND LANDSCAPE PLANS

### SITE IMPROVEMENT NOTES

- 1 PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO THE CITY PRIOR TO THE PRE-CONSTRUCTION MEETING.
- 2 THESE PLANS ARE APPROVED FOR GRADING, DRAINAGE, AND UTILITY IMPROVEMENTS ONLY. PLANS FOR STRUCTURES REQUIRE A SEPARATE REVIEW AND APPROVAL.
- 3 RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT REQUIRE A SEPARATE BUILDING PERMIT.
- 4 FILL MATERIAL PLACED UNDER BUILDING FOUNDATIONS OR PAVEMENT SHALL BE CRUSHED BASE ROCK OR COMPACTED STRUCTURAL FILL IN ACCORDANCE WITH CITY AND WSDOT STANDARD SPECIFICATIONS.
- 5 ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS.
- 6 THIS PLAN DOES NOT SHOW THE LOCATION OF ALL EXISTING UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION.
- 7 THE CONTRACTOR SHALL EXPOSE ALL EXISTING PIPING THAT WILL BE CONNECTED TO WITH NEW PIPING. DEPTH, LOCATION, AND CONDITION SHALL BE REVEALED TO THE ENGINEER IF CONDITIONS VARY SIGNIFICANTLY FROM WHAT IS DETAILED OR ANTICIPATED.
- 8 ALL CONSTRUCTION DEBRIS GENERATED DURING CONSTRUCTION TO BE REMOVED & DISPOSED OF AT AN APPROVED LOCATION OFF SITE.
- 9 ALL CUT MATERIAL GENERATED DURING THE PROJECT THAT IS NOT ACCEPTABLE FOR USE AS COMPACTED FILL MATERIAL AT ANOTHER LOCATION ON-SITE MUST BE HAULED TO AN APPROVED LOCATION OFF-SITE.

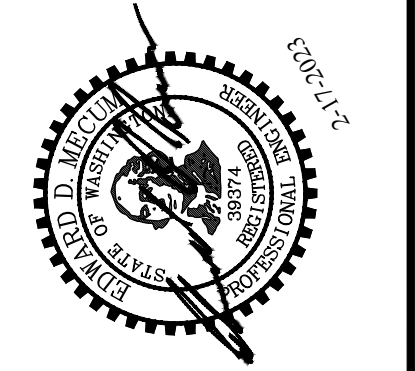
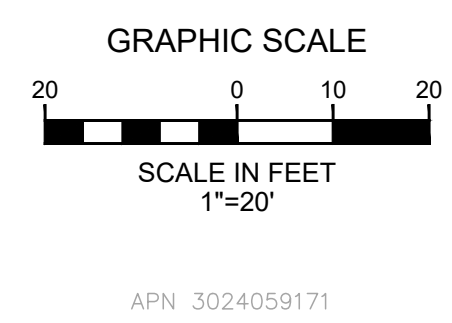
### STORM DRAIN GENERAL NOTES

- 1 A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- 2 BEFORE ANY CONSTRUCTION MAY OCCUR, THE CONTRACTOR SHALL HAVE PLANS WHICH HAVE BEEN SIGNED AND APPROVED BY THE CITY OF MERCER ISLAND PUBLIC WORKS DEPARTMENT, OBTAINED ALL CITY, COUNTY, STATE, FEDERAL AND OTHER REQUIRED PERMITS, AND HAVE POSTED ALL REQUIRED BONDS.
- 3 ALL STORM DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF MERCER ISLAND PUBLIC WORKS PRE-APPROVED PLANS AND POLICES AND THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED BY WSDOT AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
- 4 ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL. ALL CHANGES SHALL BE SUBMITTED TO THE CITY.
- 5 A COPY OF THE APPROVED STORM WATER PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 6 ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SIMILARLY STABILIZED TO THE SATISFACTION OF THE CITY OF MERCER ISLAND DEPARTMENT OF PUBLIC WORKS FOR THE PREVENTION OF ON-SITE EROSION AFTER THE COMPLETION OF CONSTRUCTION.
- 7 MINIMUM COVER OVER STORM DRAINAGE PIPES IN ROW OR VEHICULAR PATH SHALL BE 18 INCHES, UNLESS OTHER DESIGN IS APPROVED.
- 8 CONSTRUCTION OF DEWATERING (GROUNDWATER) SYSTEMS SHALL BE IN ACCORDANCE WITH THE APWA STANDARD SPECIFICATIONS.
- 9 ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTON SHALL BE 95 PERCENT.
- 10 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CONFINED SPACE PROTECTION, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
- 11 APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITY LOCATIONS WHETHER OR NOT THESE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXERCISE ALL CARE TO AVOID DAMAGE TO ANY UTILITY. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION INSPECTOR AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE DEVELOPMENT ENGINEER PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT.
- 12 THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY, CALL 811. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- 13 OPEN CUT ROAD CROSSINGS FOR UTILITY TRENCHES ON EXISTING TRAVELED ROADWAY SHALL BE BACKFILLED ONLY WITH 5/8" MINUS CRUSHED ROCK AND MECHANICALLY COMPACTED (UNLESS OTHERWISE APPROVED BY THE CITY). CUTS INTO THE EXISTING ASPHALT SHALL BE NEAT LINE CUT WITH SAW OR JACKHAMMER IN A CONTINUOUS LINE. A TEMPORARY COLD MIX PATCH MUST BE PLACED IMMEDIATELY AFTER BACKFILL AND COMPACTION. A PERMANENT HOT MIX PATCH SHALL BE PLACED WITHIN 30 DAYS AND SHALL BE A MINIMUM OF 1" THICKER THAN THE ORIGINAL ASPHALT WITH A MINIMUM THICKNESS OF 2".
- 14 ALL DAMAGES INCURRED TO PUBLIC AND/OR PRIVATE PROPERTY BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPAIRED TO THE SATISFACTION OF THE CITY CONSTRUCTION INSPECTOR BEFORE PROJECT APPROVAL AND/OR THE RELEASE OF THE PROJECT'S PERFORMANCE BOND.
- 15 GROUT ALL SEAMS AND OPENINGS IN ALL INLETS, CATCH BASINS, AND MANHOLES.



### EX. STRUCTURE LEGEND

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|--|---|---|--|
| <p>1 EX. STORM DRAIN CATCH BASIN<br/>RIM 227.17<br/>IE NE 224.47 8" CP<br/>IE W 224.37 12" CP</p> <p>2 EX. STORM DRAIN CATCH BASIN<br/>RIM 201.34<br/>IE NW 199.39 6" DIP<br/>IE E 197.49 12" CP<br/>IE W 197.49 12" CP</p> <p>3 EX. STORM DRAIN CATCH BASIN<br/>RIM 197.04<br/>IE E 191.39 12" CP<br/>IE W 191.39 12" CP</p> <p>4 EX. STORM DRAIN CATCH BASIN<br/>RIM 150.05<br/>IE SW 147.90 12" CP</p> <p>5 EX. STORM DRAIN INTAKE<br/>IE 146.65 12" DIP</p> <p>6 EX. STORM DRAIN CATCH BASIN<br/>RIM 148.14<br/>IE S 146.54 8" DIP<br/>IE N 146.34 8" DIP</p> <p>7 EX. STORM DRAIN CATCH BASIN<br/>RIM 148.34<br/>IE S 145.94 8" DIP<br/>IE NW 145.84 12" CP</p> | <p>8 EX. STORM DRAIN MANHOLE<br/>TYPE 2 W/ RND. CRT. LID<br/>IE SE 137.42 12" CP<br/>IE NE 137.37 12" CP<br/>IE W 134.80 12" CP<br/>IE E 132.07 12" CP</p> <p>9 EX. STORM DRAIN INTAKE<br/>IE 147.52 12" CP</p> <p>10 EX. STORM DRAIN CATCH BASIN<br/>RIM 147.97<br/>IE E 146.67 8" DIP<br/>IE NW 146.22 8" DIP</p> <p>11 EX. STORM DRAIN CATCH BASIN<br/>RIM 142.10<br/>IE E 139.75 8" DIP<br/>IE W 139.75 8" DIP</p> <p>12 EX. STORM DRAIN CATCH BASIN<br/>RIM 138.40<br/>IE E 136.05 12" DIP<br/>IE W 135.90 12" PVC</p> | <p>13 EX. STORM DRAIN CATCH BASIN<br/>RIM 135.63<br/>IE NE 133.23 12" PVC<br/>IE SW 133.23 12" PVC</p> <p>14 EX. STORM DRAIN CATCH BASIN<br/>RIM 135.24<br/>IE NE 132.64 12" PVC<br/>IE SW 132.64 12" PVC</p> <p>15 EX. STORM DRAIN CATCH BASIN<br/>RIM 133.51<br/>IE NE 130.91 12" PVC<br/>IE S 127.56 12" CP<br/>IE NW 126.86 12" PVC</p> <p>16 EX. STORM DRAIN CATCH BASIN<br/>RIM 132.24<br/>IE NE 132.64 12" PVC<br/>IE SW 132.64 12" PVC</p> <p>17 EX. STORM DRAIN CATCH BASIN<br/>RIM 133.09<br/>IE E 139.75 8" DIP<br/>IE W 139.75 8" DIP</p> <p>18 EX. STORM DRAIN CATCH BASIN<br/>RIM 135.09<br/>IE E 139.75 8" DIP<br/>IE W 139.75 8" DIP</p> <p>19 EX. STORM DRAIN CATCH BASIN<br/>RIM 135.40<br/>IE E 136.05 12" DIP<br/>IE W 135.90 12" PVC</p> | <p>20 EX. SANITARY SEWER MANHOLE<br/>RIM 152.81<br/>IE NW 145.41 8" CP<br/>IE S 145.31 8" CP</p> <p>21 EX. SANITARY SEWER MANHOLE<br/>RIM 149.41<br/>IE N 141.36 8" CP<br/>IE SW 141.26 8" CP</p> <p>22 EX. SANITARY SEWER MANHOLE<br/>RIM 134.30<br/>IE NW 126.55 10" CP<br/>IE SE 126.45 10" CP</p> <p>23 EX. SANITARY SEWER MANHOLE<br/>RIM 131.18<br/>IE SE 125.73 10" CP<br/>IE SE 125.73 10" CP</p> <p>24 EX. SANITARY SEWER MANHOLE<br/>RIM 135.68<br/>IE SE 125.73 8" CP<br/>IE NE 125.68 8" CP<br/>IE NW 125.58 10" CP<br/>IE E 125.48 10" CP</p> |
|--|---|---|--|



DATE	BY	REVISION
4-6-2020	KAL	SUBMITTED TO CLIENT
10-26-2020	KAL	REVISED PER CITY COMMENTS
11-23-2022	NEM	REVISED PER CITY COMMENTS
2-17-2023	EDM	EXCAVATION PLAN

1700 NW GILMAN BLVD, STE 200  
ISSAQUAH, WA 98027  
PHONE: (425) 821-5038

**G2 CIVIL**

APN: 302405-9001  
SITE DEVELOPMENT PLAN  
ALTMAN PARCEL A  
MERCER ISLAND, WASHINGTON  
ESTATE OF JAMES H. ALTMAN, SR.  
MERCER ISLAND, WASHINGTON 98040



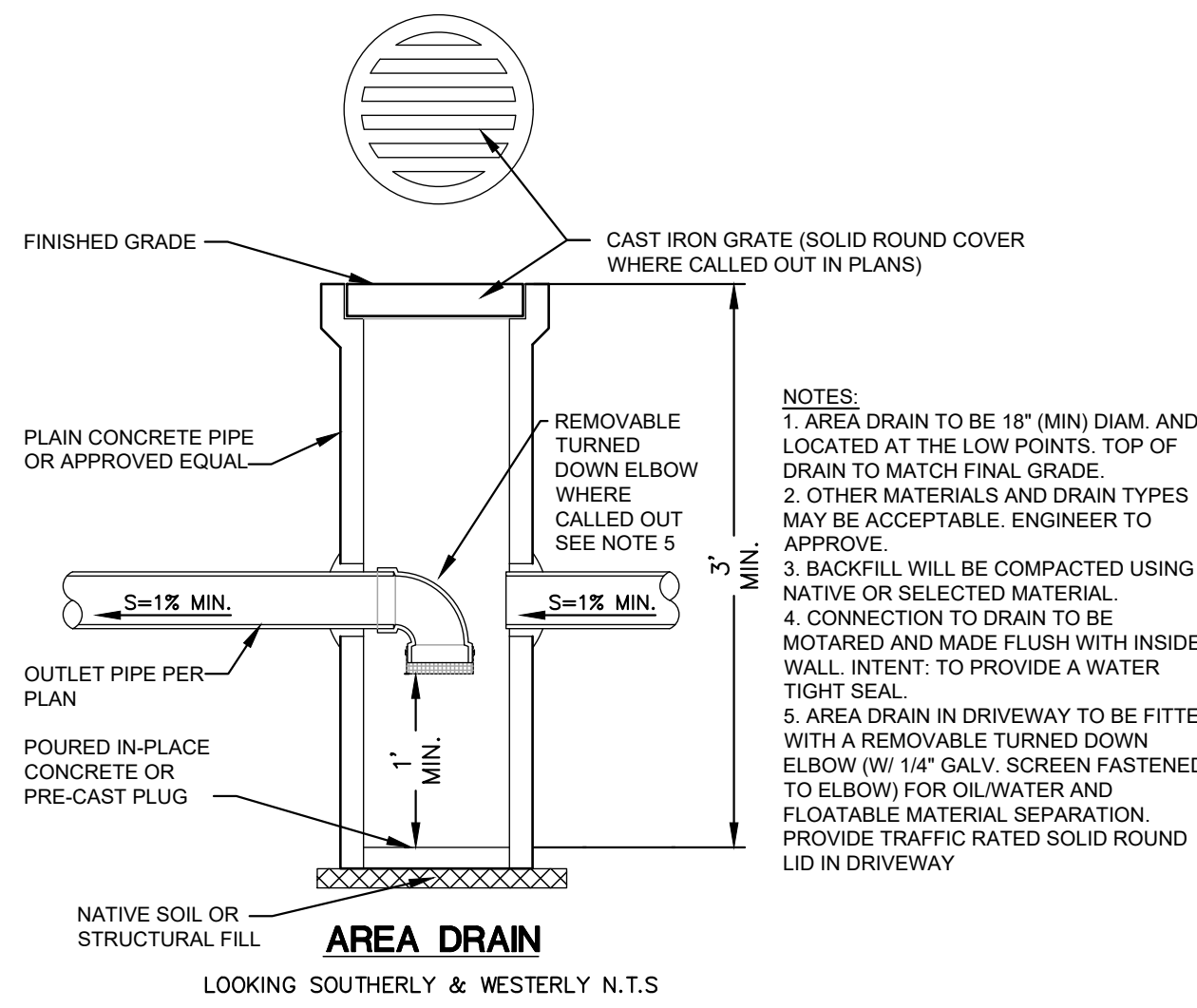
APPROVED: CITY OF MERCER ISLAND DEVELOPMENT SERVICES GROUP

DRAWING: S:\Projects\166-SFR\Altman - SFR\Altman - M. Loh\LE - Design\Media - LAD\2 - Altman - M. Middle - Loh\dwg - PLOT - Bvt - Scott - Feb. 17, 2023 @ 3:13pm

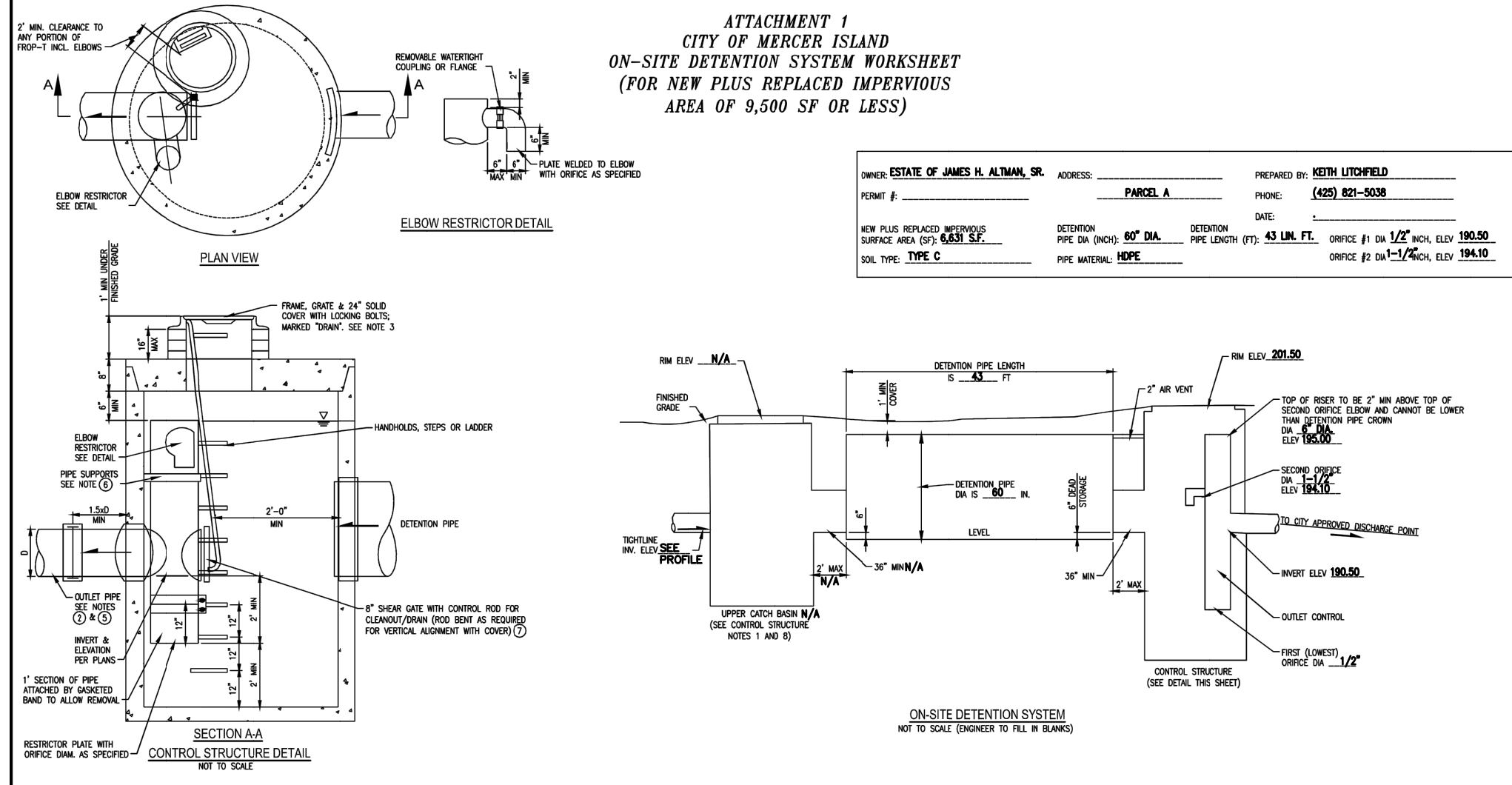


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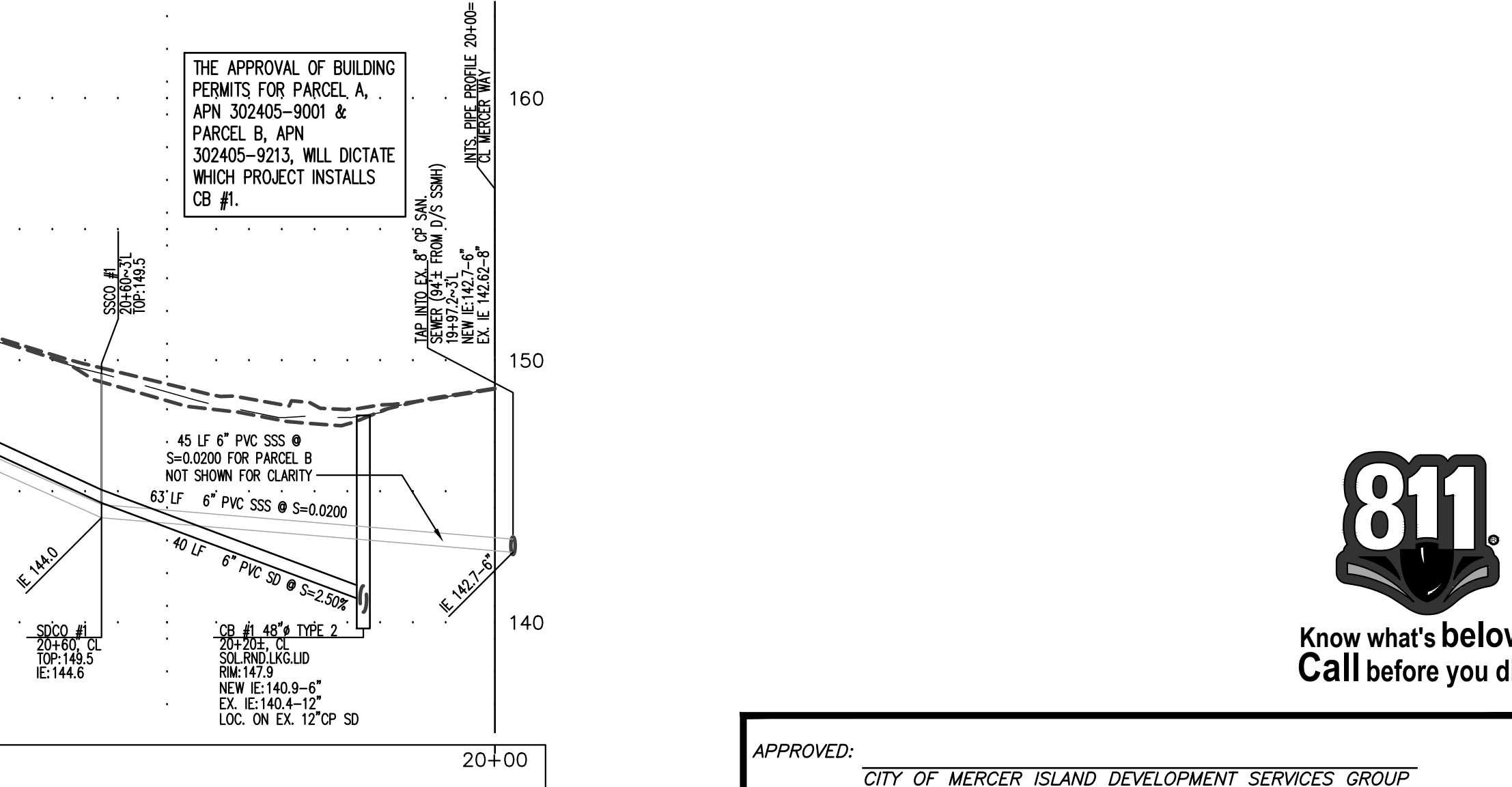
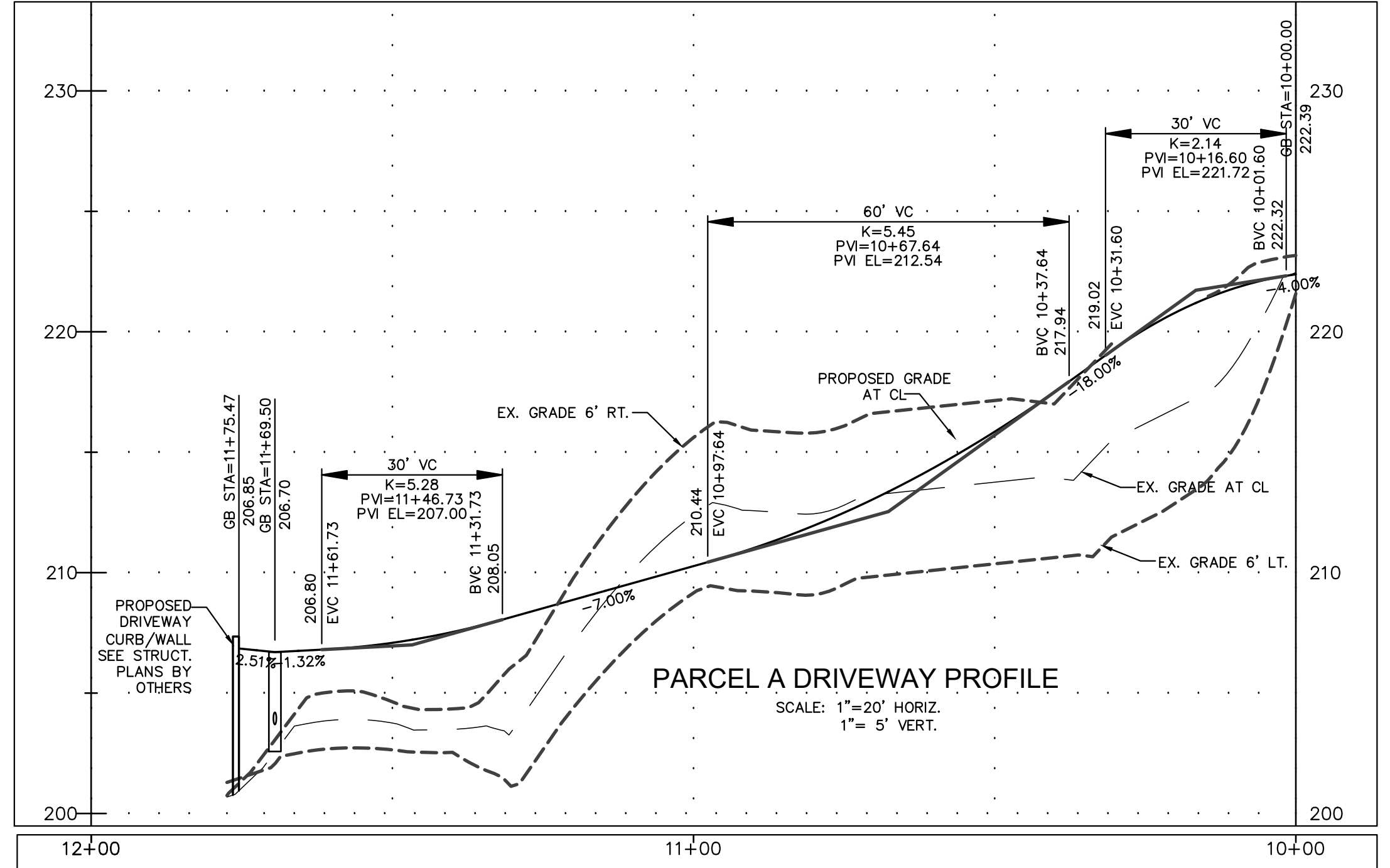
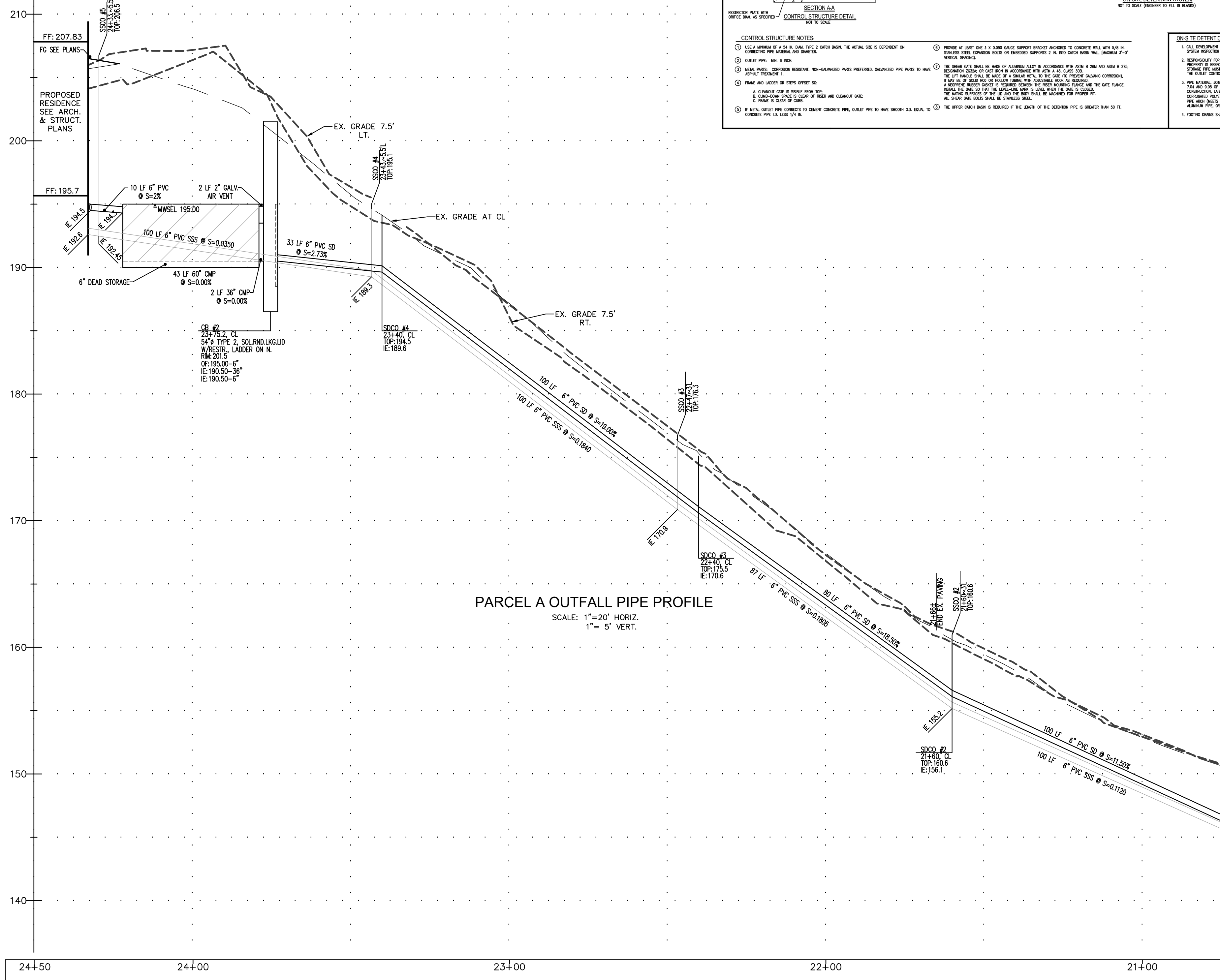
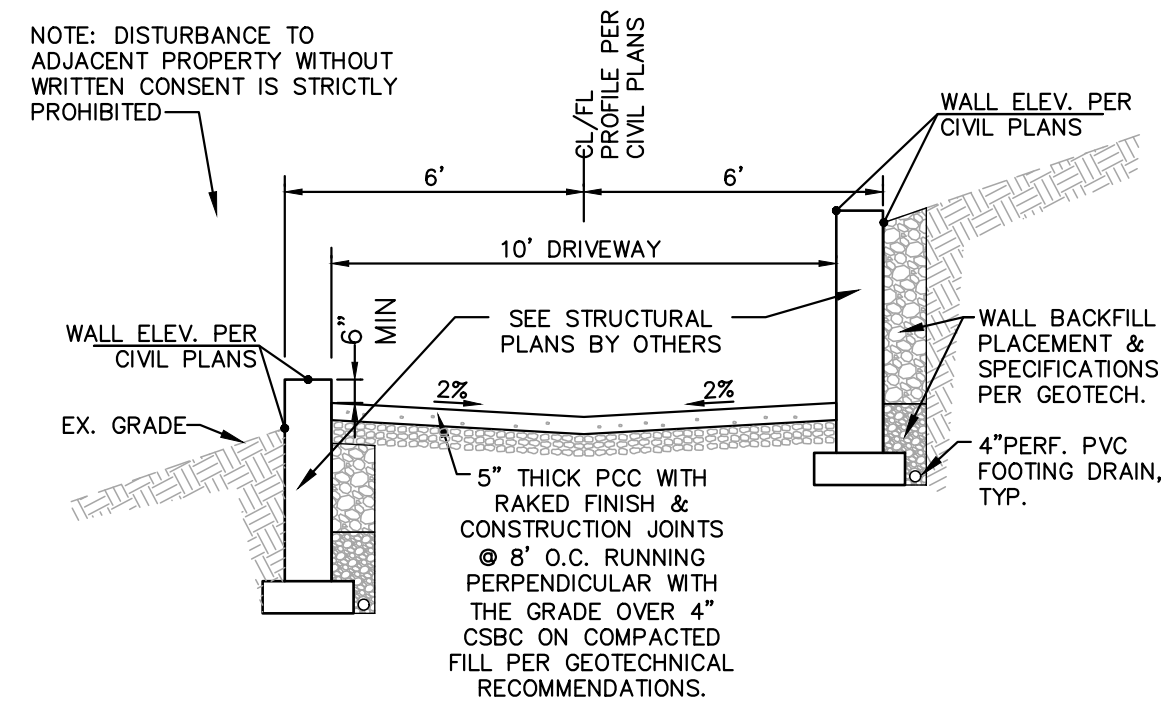
## ALTMAN PARCEL A



- NOTES:**
1. AREA DRAIN TO BE 18" (MIN) DIAM AND LOCATED AT THE LOW POINTS. TOP OF DRAIN TO MATCH FINAL GRADE.
  2. OTHER MATERIALS AND DRAIN TYPES MAY BE ACCEPTABLE. ENGINEER TO APPROVE.
  3. BACKFILL WILL BE COMPACTED USING NATIVE OR SELECTED MATERIAL.
  4. CONNECTION TO DRAIN TO BE MOTARED AND MADE FLUSH WITH INSIDE WALL. INTENT: TO PROVIDE A WATER TIGHT SEAL.
  5. AREA DRAIN IN DRIVEWAY TO BE FITTED WITH A REMOVABLE TURNED DOWN ELBOW (W/ 1/4" GALV. SCREEN FASTENED TO ELBOW) FOR GALV. WATER AND FLOATABLE MATERIAL SEPARATION. PROVIDE TRAFFIC RATED SOLID ROUND LID IN DRIVEWAY.



- CONTROL STRUCTURE NOTES:**
1. USE A MINIMUM OF 2 IN. RIBS PER 2' CATCH BASIN. THE ACTUAL SIZE IS DEPENDENT ON THE CONNECTIVE PIPE MATERIAL AND DIAMETER.
  2. GATED PIPES SHALL BE 8" MIN.
  3. METAL PARTS, CORROSION RESISTANT NON-DANGEROUS PARTS PREFERRED. GALVANIZED PIPE PARTS TO HAVE 5% MINIMUM ZINC COATING.
  4. FRAME AND JOISTS OR STEPS MUST BE 2" MIN.
  5. A CLEANOUT GATE IS REQUIRED FROM TOP OF CONNECTION SHALL BE CLEAN OF DEBRIS AND CLEANOUT GATE FRAME IS CLEAN OF GATE.
  6. IF METAL VALVE PIPE CONNECTS TO CONCRETE CONDUIT, VALVE PIPE TO HAVE SMOOTH END. EQUAL TO CONCRETE PIPE TO 1/2" DIA. MIN.
  7. PROVIDE AT LEAST ONE 2 X 8-2X8 GATE SUPPORT BRACKET MOUNTED TO CONCRETE WALL WITH 2X8 IN. GALVANIZED STEEL EXPANSION BOLTS OR DAMAGED SUPPORTS 2 IN. INTO CONCRETE WALL. BRACKET 2'-0" HORIZONTAL SPACING.
  8. THE GATE SHALL BE MADE OF ALUMINUM ALLOY IN ACCORDANCE WITH ASTM D 286 AND ASTM D 275. DETENTION SYSTEM SHALL BE CONSTRUCTED WITH ALUMINUM ALLOY GATES. THE GATE SHALL BE MADE OF ALUMINUM ALLOY IN ACCORDANCE WITH ASTM D 286 AND ASTM D 275. THE GATE SHALL BE MADE OF ALUMINUM ALLOY IN ACCORDANCE WITH ASTM D 286 AND ASTM D 275. THE GATE SHALL BE MADE OF ALUMINUM ALLOY IN ACCORDANCE WITH ASTM D 286 AND ASTM D 275.
  9. A REMOVABLE TURNED DOWN ELBOW (W/ 1/4" GALV. SCREEN FASTENED TO ELBOW) FOR GALV. WATER AND FLOATABLE MATERIAL SEPARATION. PROVIDE TRAFFIC RATED SOLID ROUND LID IN DRIVEWAY.
  10. THE UPPER CATCH BASIN IS REQUIRED IF THE LENGTH OF THE DETENTION PIPE IS GREATER THAN 30 FT. CONCRETE PIPE TO 1/2" DIA. MIN.
- ON-SITE DETENTION SYSTEM NOTES:**
1. ALL DETENTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MERCER ISLAND DEVELOPMENT SERVICES GROUP'S STANDARD SPECIFICATIONS FOR DETENTION SYSTEMS. THE CITY OF MERCER ISLAND DEVELOPMENT SERVICES GROUP'S STANDARD SPECIFICATIONS FOR DETENTION SYSTEMS SHALL BE USED FOR ALL DETENTION SYSTEMS.
  2. REQUIREMENTS FOR OVERFLOW AND UNDERFLOW OF DETENTION SYSTEMS SHALL BE AS FOLLOWS: OVERFLOW SHALL BE TO THE STREET OR TO AN ADJACENT PROPERTY. UNDERFLOW SHALL BE TO THE STREET OR TO AN ADJACENT PROPERTY. THE CITY OF MERCER ISLAND DEVELOPMENT SERVICES GROUP'S STANDARD SPECIFICATIONS FOR DETENTION SYSTEMS SHALL BE USED FOR ALL DETENTION SYSTEMS.
  3. PVC MATERIALS, GATES AND FITTINGS SHALL BE IN ACCORDANCE WITH SECTION 204 AND 205 OF THE MOST RECENT SPECIFICATIONS FOR PAVEMENTS, BRIDGES AND STRUCTURES. ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE SPECIFIED. ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE SPECIFIED. ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
  4. FOOTING DRAINS SHALL NOT BE CONNECTED TO THE DETENTION SYSTEM.



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**G2 CIVIL**  
1700 NW GILMAN BLVD, STE 200  
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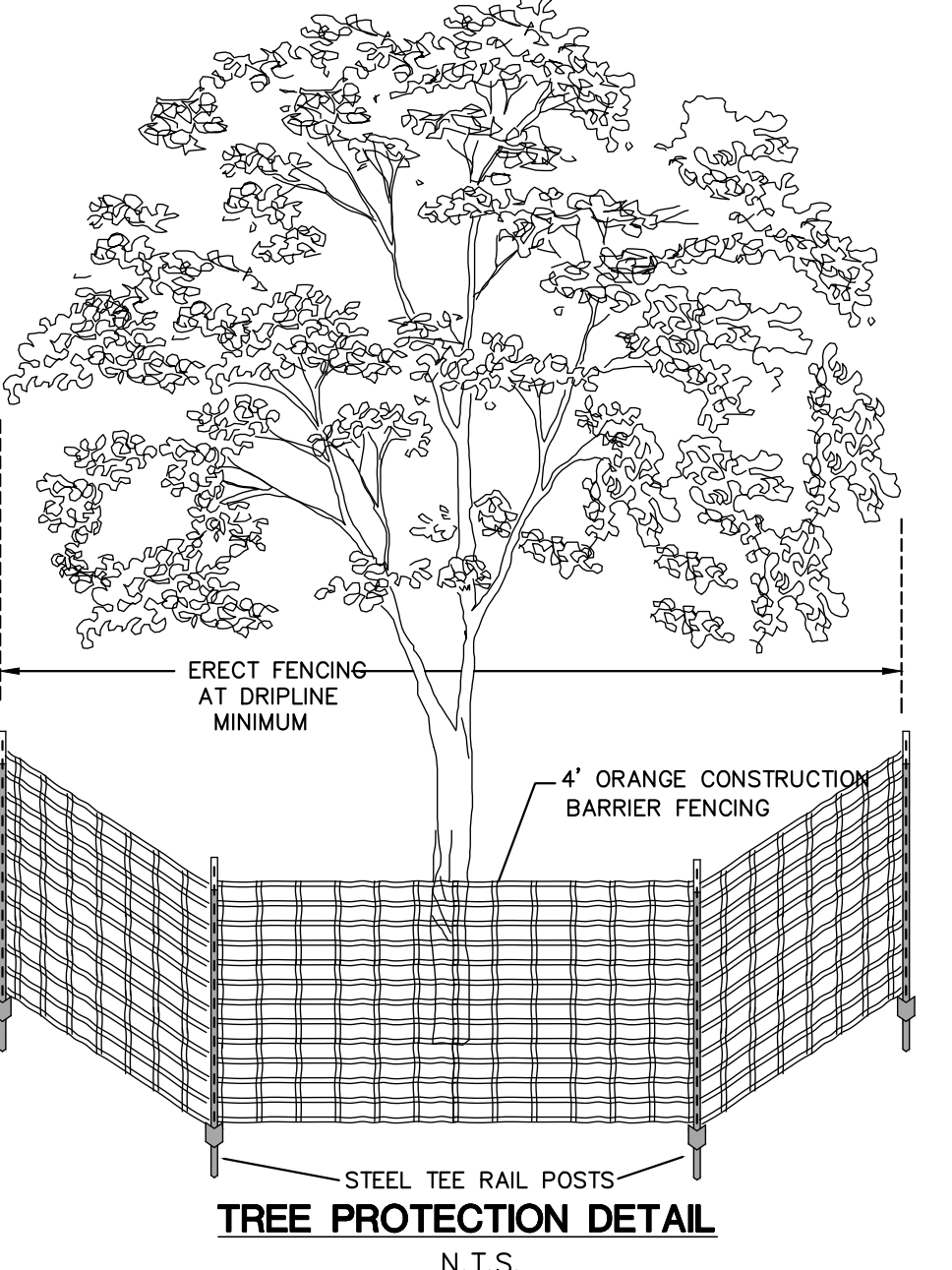
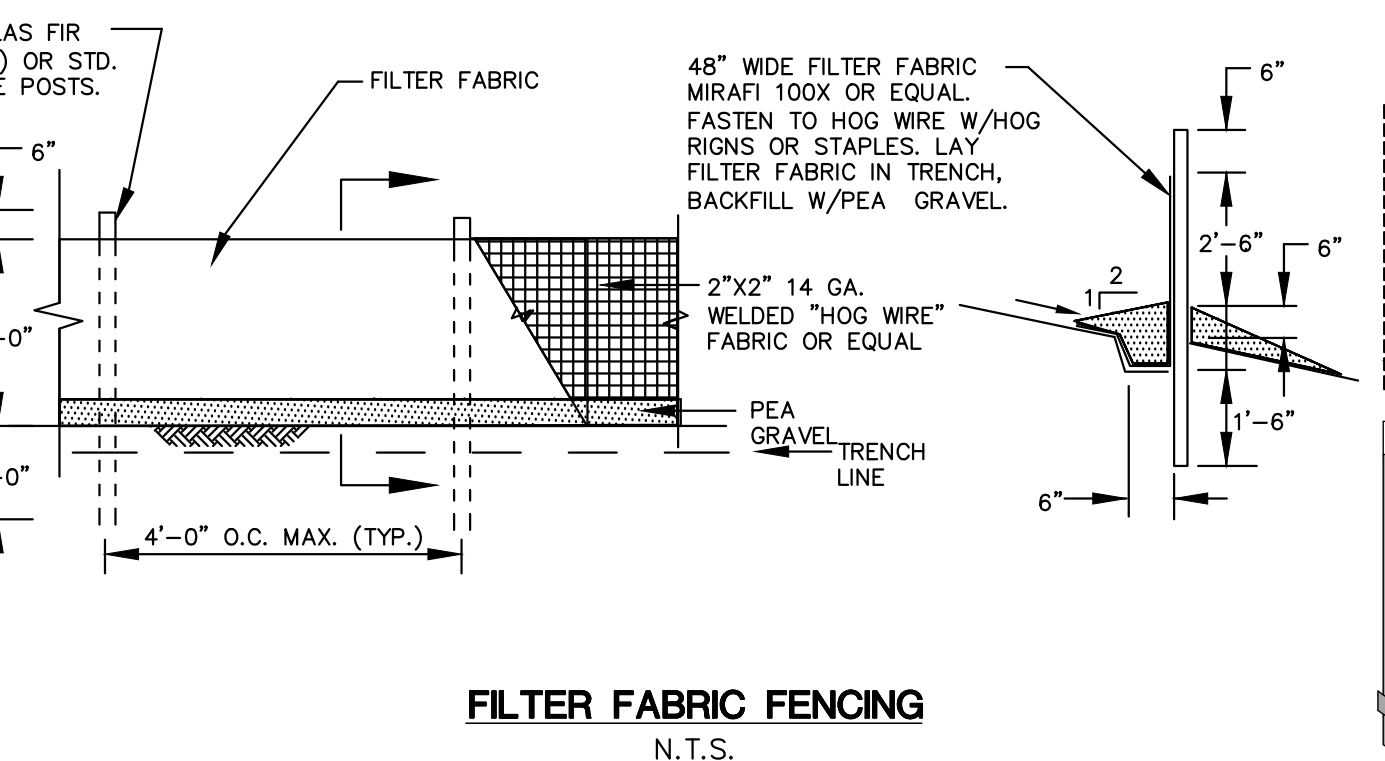
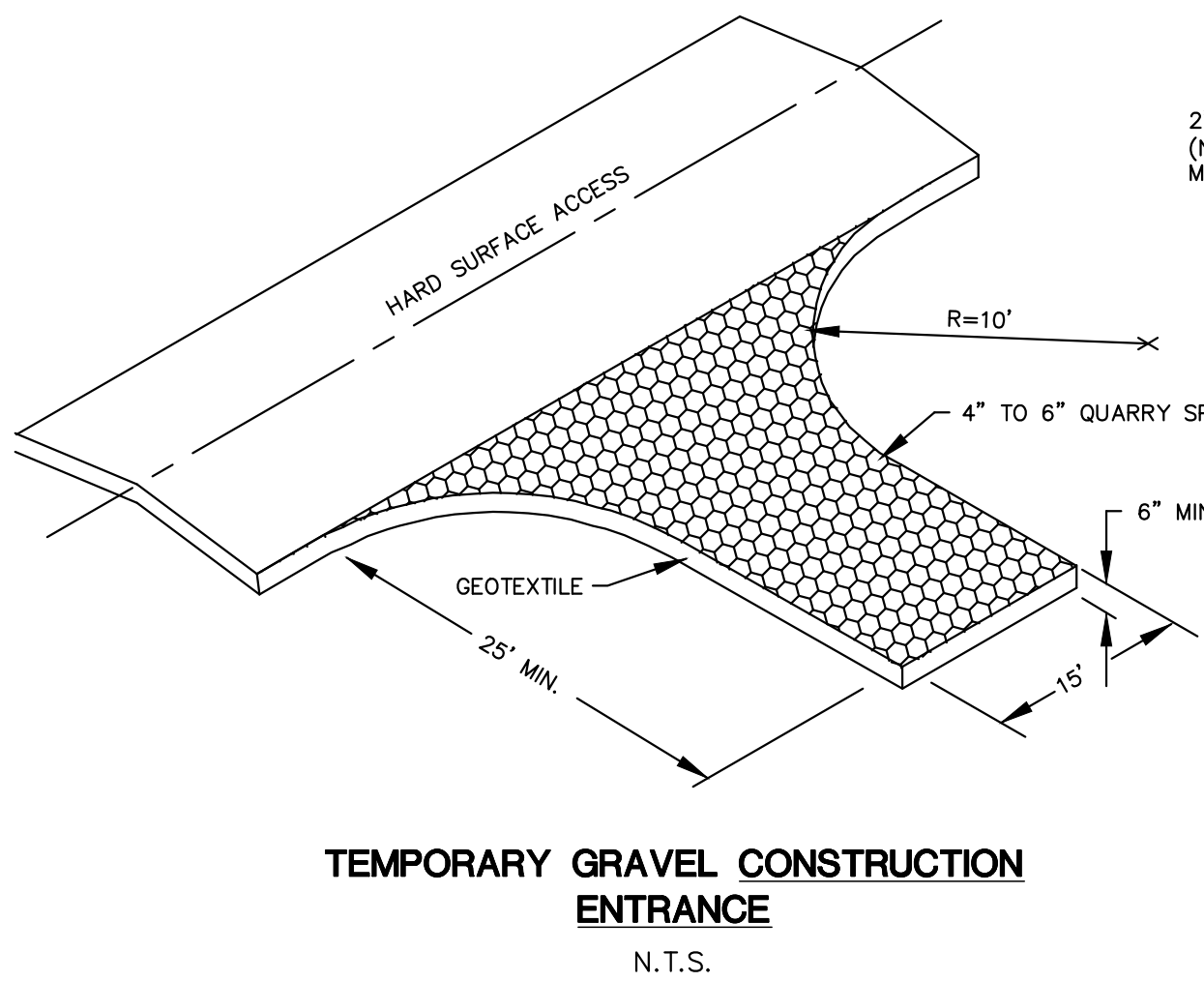
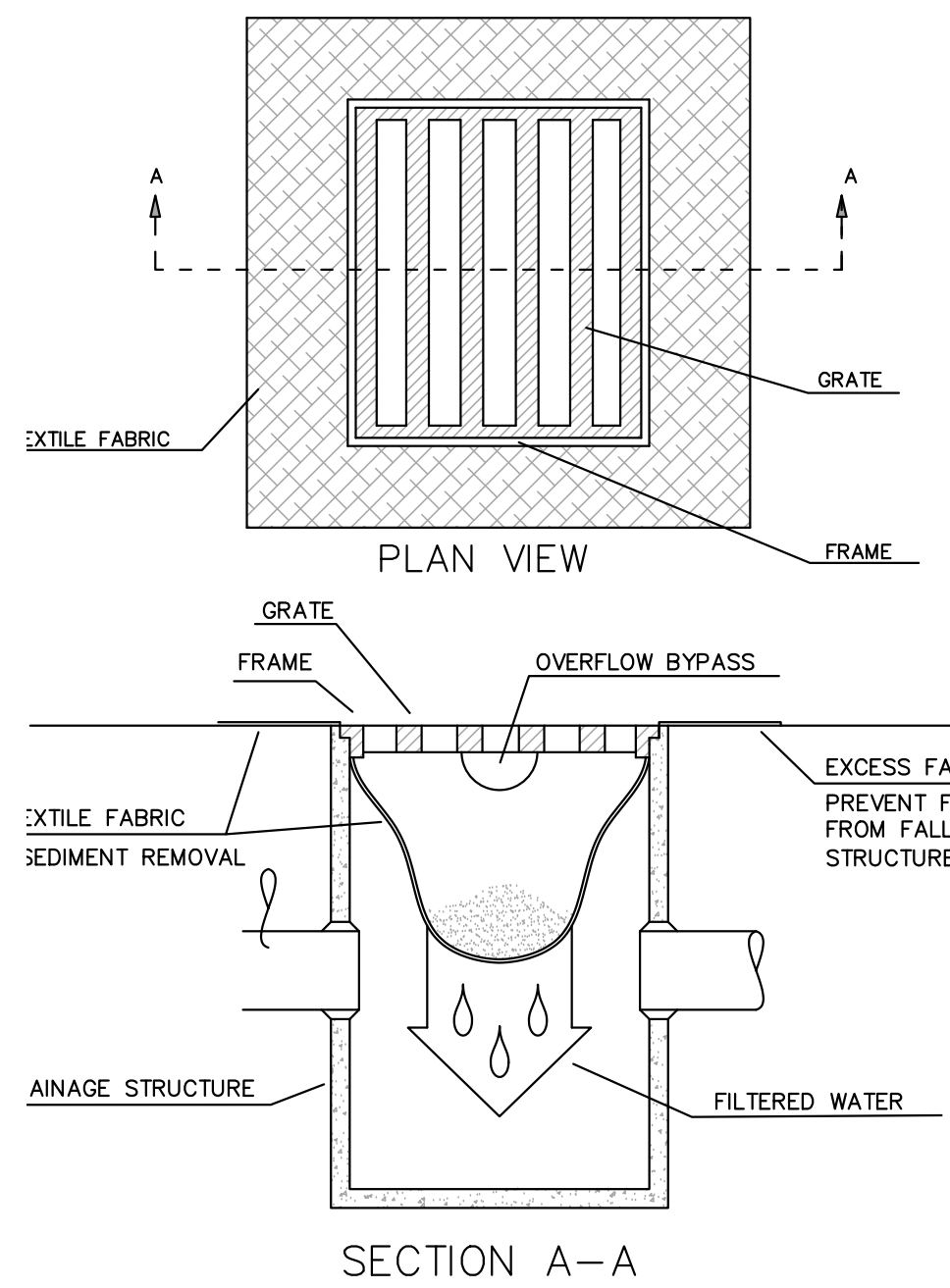
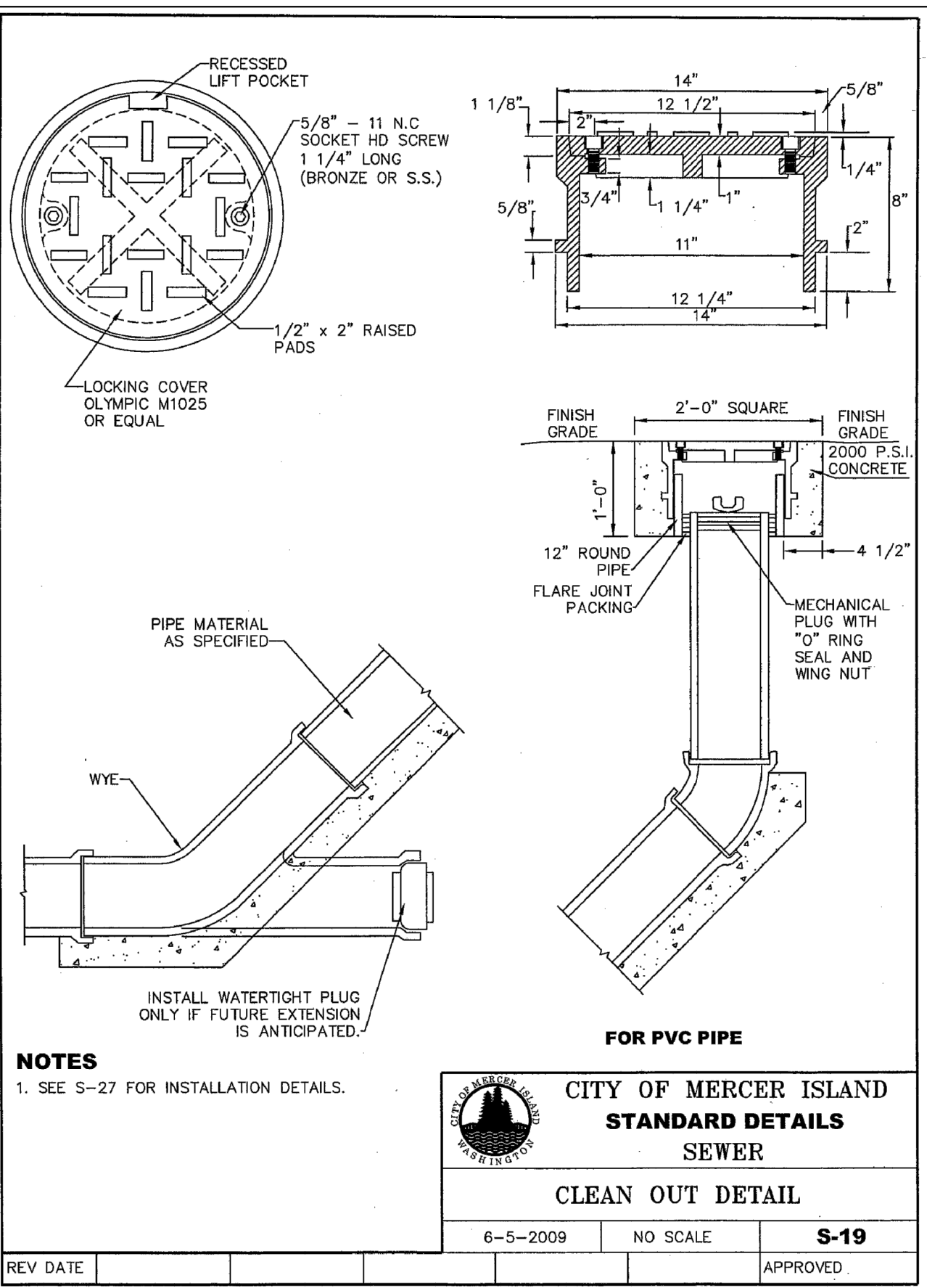
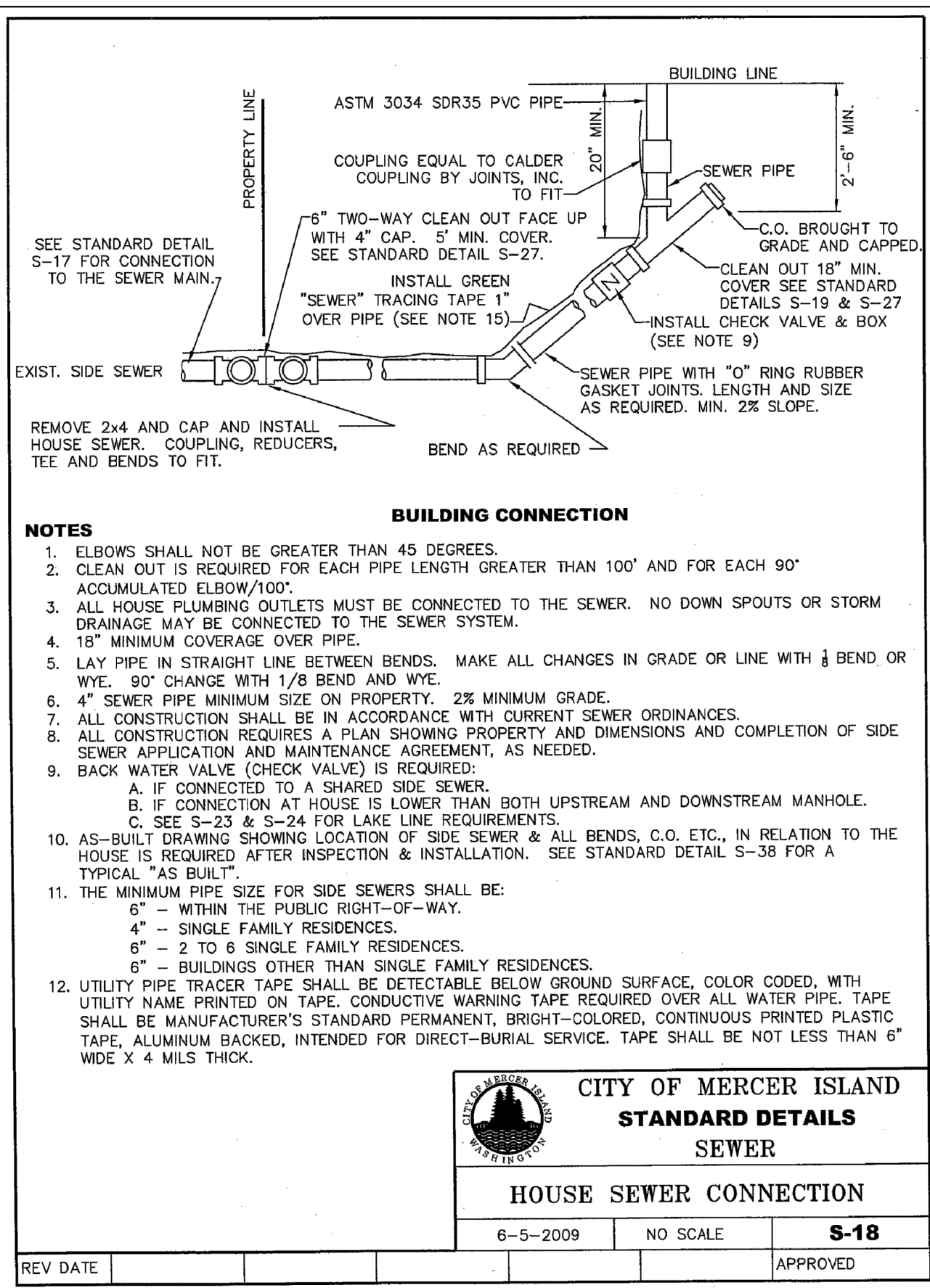
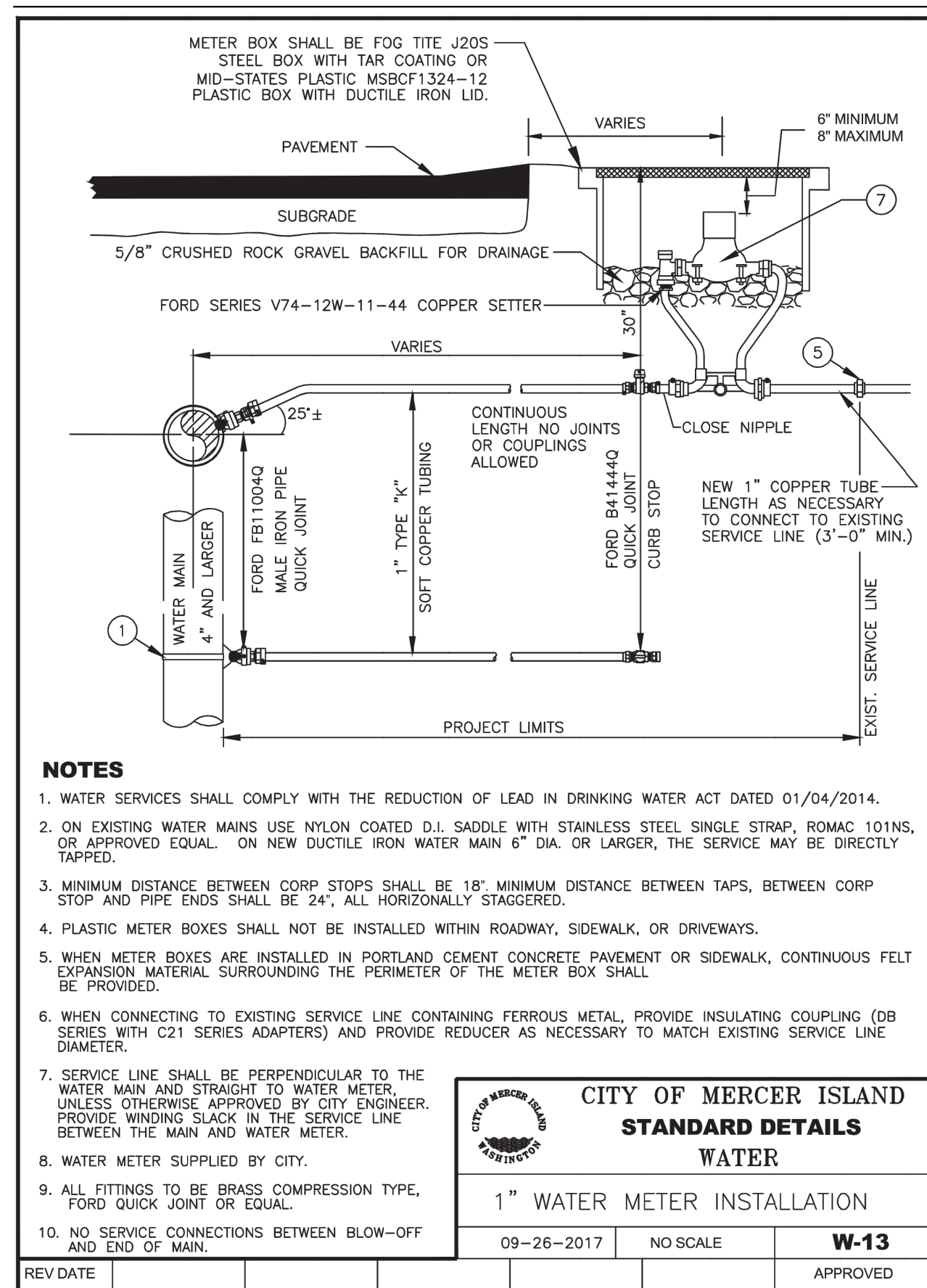
**APN: 302405-9001**  
**PROFILES**  
**ALTMAN PARCEL A**  
**MERCER ISLAND, WASHINGTON**  
ESTATE OF JAMES H. ALTMAN, SR.  
MERCER ISLAND, WASHINGTON 98040



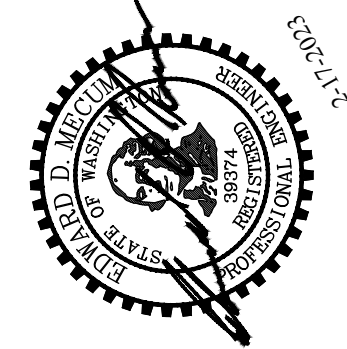
APPROVED: **CITY OF MERCER ISLAND DEVELOPMENT SERVICES GROUP**

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DRAWING: S:\Projects\1600-SPR\1600-SPR.dwg PLOT BY: Scott Feb 17, 2023 @ 3:13pm



DATE	NOTES
4-6-2020	SUBMITTED TO CLIENT
10-26-2020	REVISED PER CITY COMMENTS
11-23-2022	REVISED PER CITY COMMENTS
2-17-2023	EXCAVATION PLAN

**G2 CIVIL**  
1700 NW GILMAN BLVD, STE 200  
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CITY STANDARD DETAILS  
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