CLEARWATER APARTMENTS

CITY OF WAUKESHA, WISCONSIN

CONTACTS

CITY ENGINEER

MR. PAUL DAY 130 DELAFIELD STREET WAUKESHA, WI 53188 PHONE (262) 524-3600

DESIGN ENGINEER

MR. MARK MICKELSON, P.E. SEH-YAGGY **501 MAPLE AVENUE** DELAFIELD, WI 53018 PHONE (262) 646-6855

- CITY OF WAUKESHA

DEVELOPER

WAUKESHA, WI

CLEARWATER APARTMENTS, LLC.

N16 W23217 STONE RIDGE RD.

LOCATION MAP

NOT TO SCALE

BENCH MARKS

HYDRANT "FLB" @ THE NW CORNER OF STILLWATER CIRC. AND CLEARWATER LN.

EL. = 17.56

HYDRANT "FLB" OPPOSITE #2947 CLEARWATER LN.

EL. = 18.86

HYDRANT "FLB" OPPOSITE #2915 CLEARWATER LN.

EL. = 21.85

VERTICAL CONTROL

THE ELEVATIONS ON THIS PLAN ARE BASED ON CITY OF WAUKESHA VERTICAL DATUM

CITY OF CITY OF WAUKESHA, WISCONSIN SCALE IN FEET



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C 1 - COVER & DETAILS

COVER SHEET

CONSTRUCTION DETAILS

C 2 - GRADING & EROSION CONTROL PLANS

EROSION CONTROL PLAN

GRADING PLAN - OVERALL

GRADING PLAN - NORTH SECTION GRADING PLAN - EAST SECTION

GRADING PLAN - WEST SECTION

GRADING PLAN - SOUTH SECTION

GRADING PLAN - STORMWATER POND

BASIN DETAILS

C 3 - SITE PLAN

SITE PLAN

C 4 - STORM SEWER PLANS

STORM SEWER SYSTEM MAP

C 5 - SANITARY SEWER & WATERMAIN PLANS

SANITARY SEWER SYSTEM MAP

WATERMAIN SYSTEM MAP

SANITARY SEWER & WATERMAIN PLANS

SANITARY SEWER & WATERMAIN PLANS

GENERAL NOTES

- 1. THE CITY OF WAUKESHAENGINEERING DEPARTMENT SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 2. ALL CONTRACTORS INSTALLING PUBLIC IMPROVEMENTS IN THE CITY OF WAUKESHA SHALL BE REQUIRED TO ATTEIND A PRE-CONSTRUCTION MEETING WITH THE CITY OF WAUKESHA ENGINEERING AND PUBLIC WORKS DEPARTMENT PRIOR TO BEGINNING WORK.
- 3. ALL UTILITY COMPANIES SHALL BE CONTACTED AND THEIR FACILITIES SHALL BE LOCATED PRIOR TO ANY WORK IN ANY EASEMENT, RIGHT-OF-WAY, OR SUSPECTED UTILITY LOCATION. REPAIR OF ANY DAMAGE TO EXISTING FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. UTILITY LOCATION SHOWN HEREIN ARE FOR GRAPHIC ILLUSTRATION ONLY AND ARE NOT TO BE RELIED UPON.
- 4. PRIOR TO COMMENCEMENT OF ANY OFF SITE CONSTRUCTION, CLEARWATER APARTMENTS, LLC. SHALL SECURE WRITTE'N AUTHORIZATION THAT ALL OFF SITE EASEMENTS HAVE BEEN SECURED, AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY.
- 5. ALL ELEVATIONS SHOWN HEREON REFLECT U.S.G.S DATUM.
- 6. CONSTRUCTION SHALL NOT BLOCK OFF SITE DRAINAGE.
- 7. EXISTING FIELD TILES ENCOUNTERED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AND/OR RE-ROUTED TO STORM SEWERS BASED ON THE DECISION OF THE FIELD ENGINEER (COST INCIDENTAL).
- 8. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HERE ON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. STATE OF WISCONSIN, DEPARTMENT OF TRANSPORTATION (WISDOT), DIVISION OF HIGHWAYS STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST ADDITION.
- B. STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION BY THE CITY OF WAUKESHA PUBLIC WORKS DEPARTMENT.
- C. CITY OF WAUKESHA CODE OF GENERAL ORDINANCES.
- D. CITY OF WAUKESHA WATER UTILITY STANDARD SPECIFICATIONS
- WISCONSIN DEPARTMENT OF NATURAL RESOURCES ADMINISTRATIVE CODE.
- IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH REGARD TO SITE WORK ISSUES DESIGNED BY THE ENGINEER, THE DECISION OF THE DESIGN ENGINEER SHALL BE FINAL AND CONCLUSIVE.

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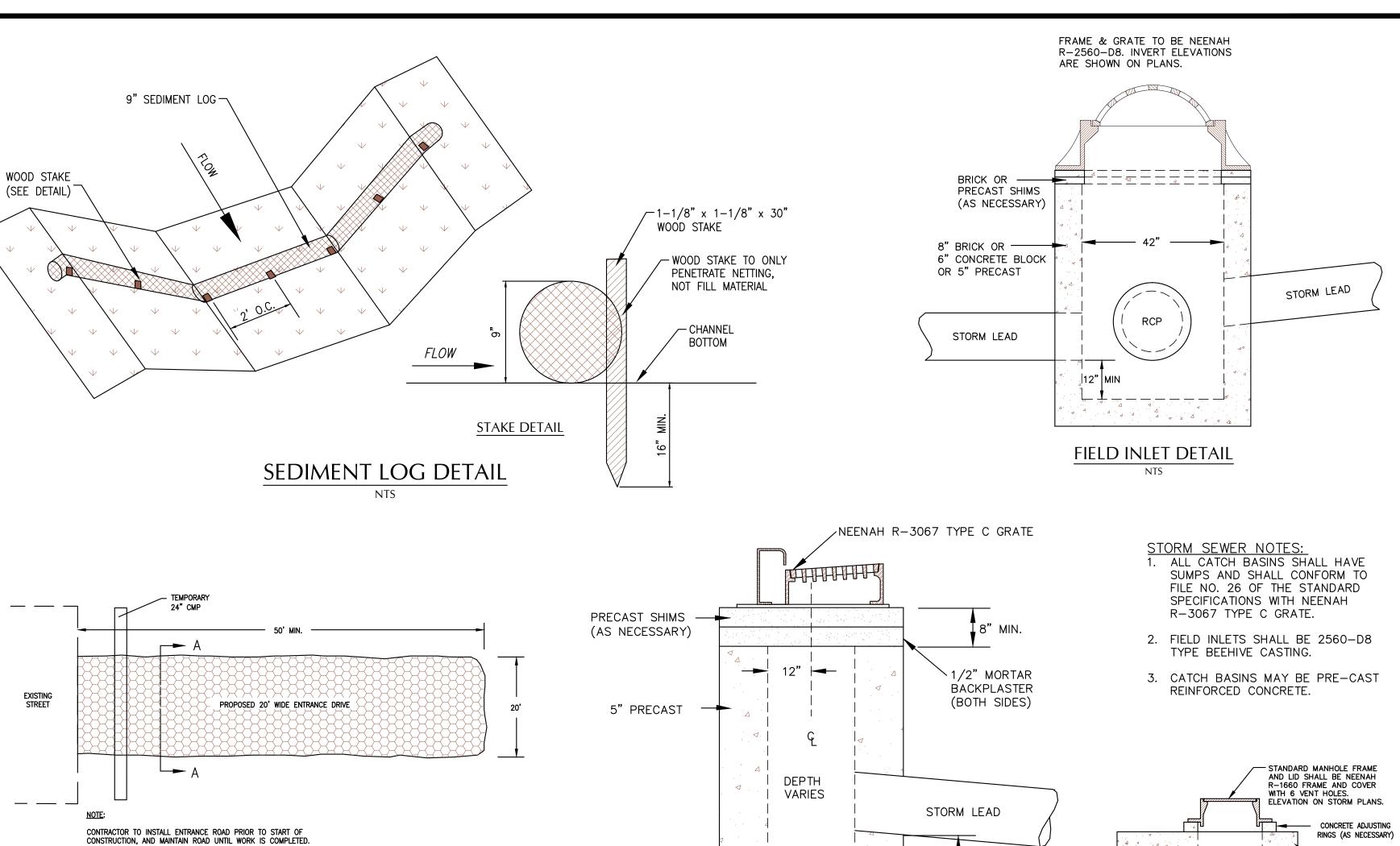
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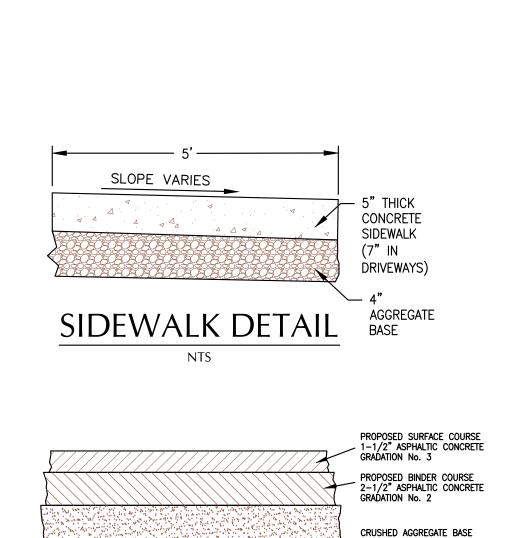
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REVISION HISTORY

SITE LOCATION MAP







TYPICAL PAVEMENT SECTION

COURSE 4" OF 3/4"
CRUSHED GRAVEL

4" OF 3" CRUSHED

24" CONCRETE VERTICAL FACE REJECT CURB

AND GUTTER SECTION

(HEIGHT-DEPENDABLE)

4" WRAPPED UNDERDRAIN PIPE ~

DISCHARGE INTO INLETS THRU

OPENING IN WALLS OF STRUCTURES

TYPICAL RETAINING WALL

GRANULAR BACKFILL PER

MANUFACTURE'S -

RECOMMENDATIONS

GEOGRID LAYERS PER

MANUFACTURE'S

RECOMMENDATIONS

10.5" -

KEYSTONE RETAINING WALL

NTS

VARIABLE HEIGHT

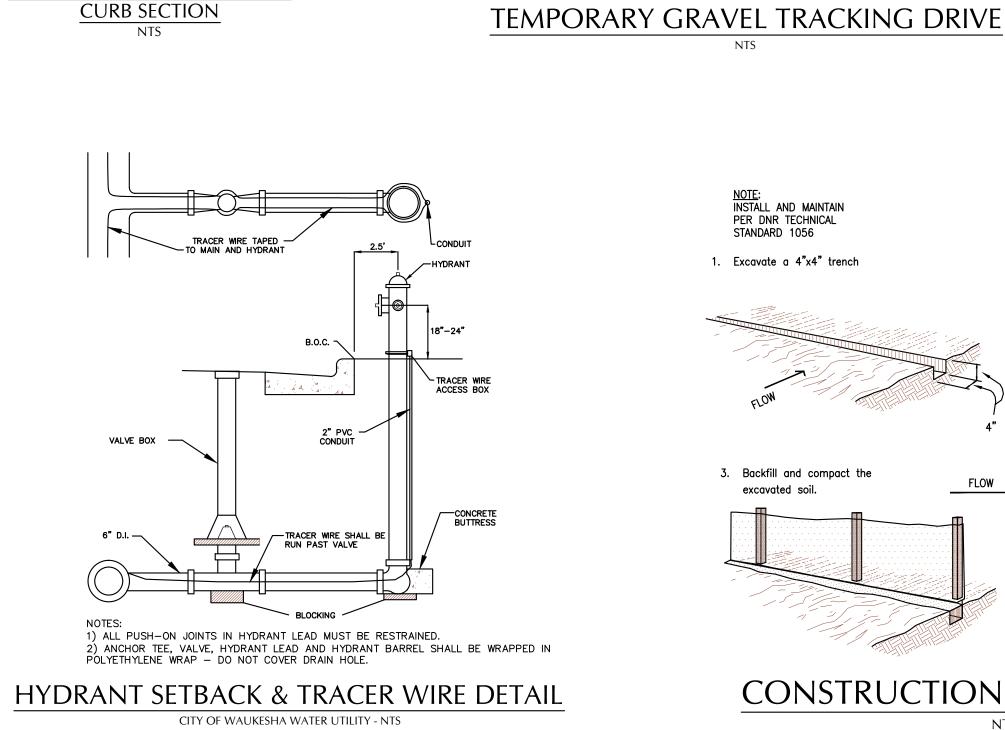
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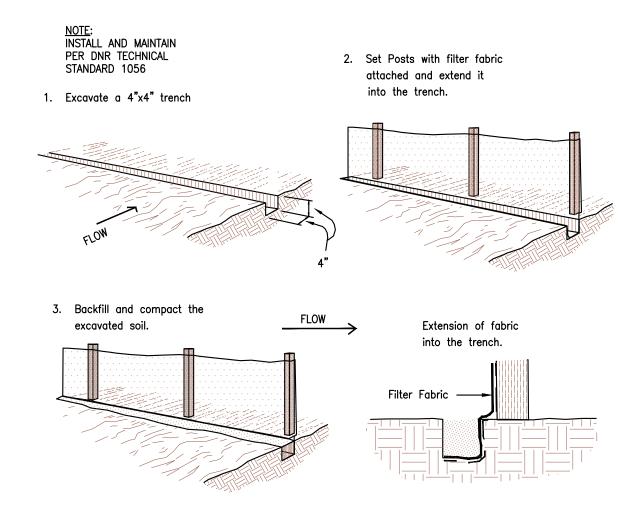
PAVEMENT

CRUSHED AGGREGATE BASE

COURSE (BEDDING)

24" CONCRETE VERTICAL FACE





- 12" OF 3" TO 6" CLEAR STONE UNDERLAIN WITH A WISDOT TYPE R GEOTEXTILE FABRIC

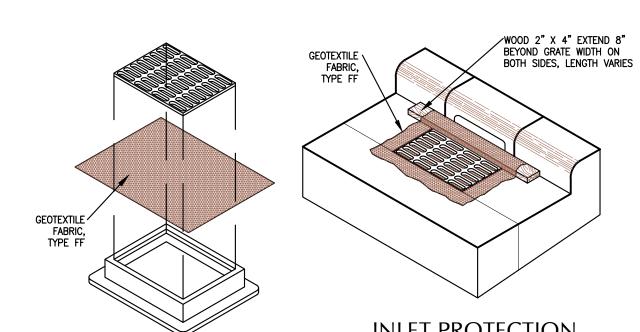
NOTE: INSTALL AND MAINTAIN PER DNR TECHNICAL STANDARD 1057

CONTRACTOR TO CLEAN EXISTING STREET DAILY AT DIRECTION CITY

SECTION A - A

EXISTING GRADE





SUMP

2'X3' CATCH BASIN DETAIL

NTS

INLET PROTECTION WITH CURB BOX <u>note</u>: Install and Maintain

PER DNR TECHNICAL STANDARD 1060

GENERAL NOTES: FABRIC SHALL BE REPLACED AT THE ENGINEER'S DISCRETION. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX. MANUFACTURED ALTERNATIVES MAY BE USE WITH THE ENGINEERS APPROVAL.

RCP PIPE

(DIAMETER & `I.E. VARY)

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMANT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY

CONCRETE TOP

(HEIGHT VARIES)

RCP PIPE (I.E. PER PLAN)

STORM MANHOLE DETAIL

4 4 1 4 4 4 4

RCP PIPE (DIAMETER &

FABRIC SIZE SHALL BE 8" (MIN.) GREATER ON ALL SIDES OF THE INLET COVER TO PROVIDE A HAND HOLD WHEN MAINTENANCE OR REMOVAL IS REQUIRED.

FOR INLET PROTECTION WITH CURB BOX, AN ADDITIONAL 18" OF FABRIC SHALL BE WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.

PROTECTION TO REMAIN IN PLACE UNTIL SITE VEGETATION IS ESTABLISHED.

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M. MICKELSON

 \rightarrow Provide inlet protection (2

STILLWATER CIRCLE

DISCHARGES FROM ALL DE-WATERING OPERATIONS BE DIRECTED FROM THE

SEDIMENT BAG TO A STABILIZED SEDIMENT BASIN OR TRAP. DO NOT DIRECT

IF DISCHARGE FROM BAG IS QUESTIONABLE, CONTACT DESIGN ENGINEER TO

NO DE-WATERING IS EXPECTED FOR UTILITY CONSTRUCTION, HOWEVER IF

DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY.

BASIN OR TRAP.

OVER DISTURBED AREA AND BE SURE TO NOT ERODE THE LAND IT FLOWS OVER.

DE-WATERING BECOMES NECESSARY THEN ALL TRENCH DE-WATERING SHALL BE

PUMPED INTO A SEDIMENT BAG AND DIRECTED TO AN ESTABLISHED SEDIMENT

CLEAR & GRUB

(C2) EXISTING TREELINE

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DURING THE NON-GROWING SEASONS.

DURING THE UTILITY INSTALLATION.

AREAS CONTRIBUTING ARE VEGETATED.

10. COMPLETE UTILITY INSTALLATION, CURB & GUTTER, SIDEWALKS, AND ASPHALT PAVING. NOTE THAT

11. INSTALL FINAL RESTORATION OF ALL DISTURBED AREAS, FOLLOWING UTILITY INSTALLATION.

STABILIZATION OF THE DISTURBED, MASS GRADED AREAS MUST TAKE PLACE IF THEY ARE NOT BEING GRADED

12. ONCE THE VEGETATION HAS BEEN ESTABLISHED REMOVE ALL TRAPS AND DIVERSION SWALES - RESTORE ALL

DISTURBED AREAS CAUSED BY THESE REMOVALS. SILT FENCE AND INLET PROTECTION MAY BE REMOVED ONCE



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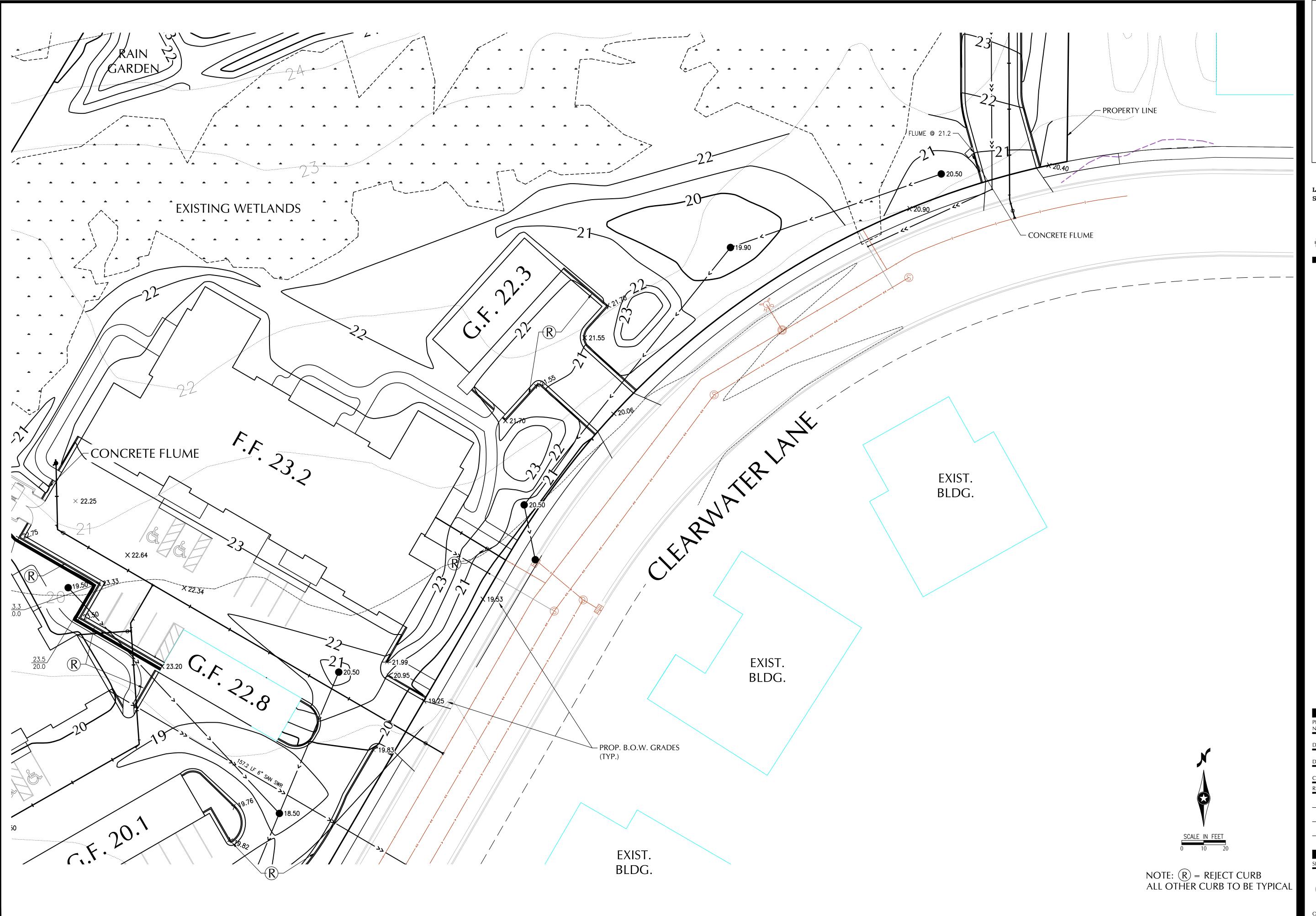
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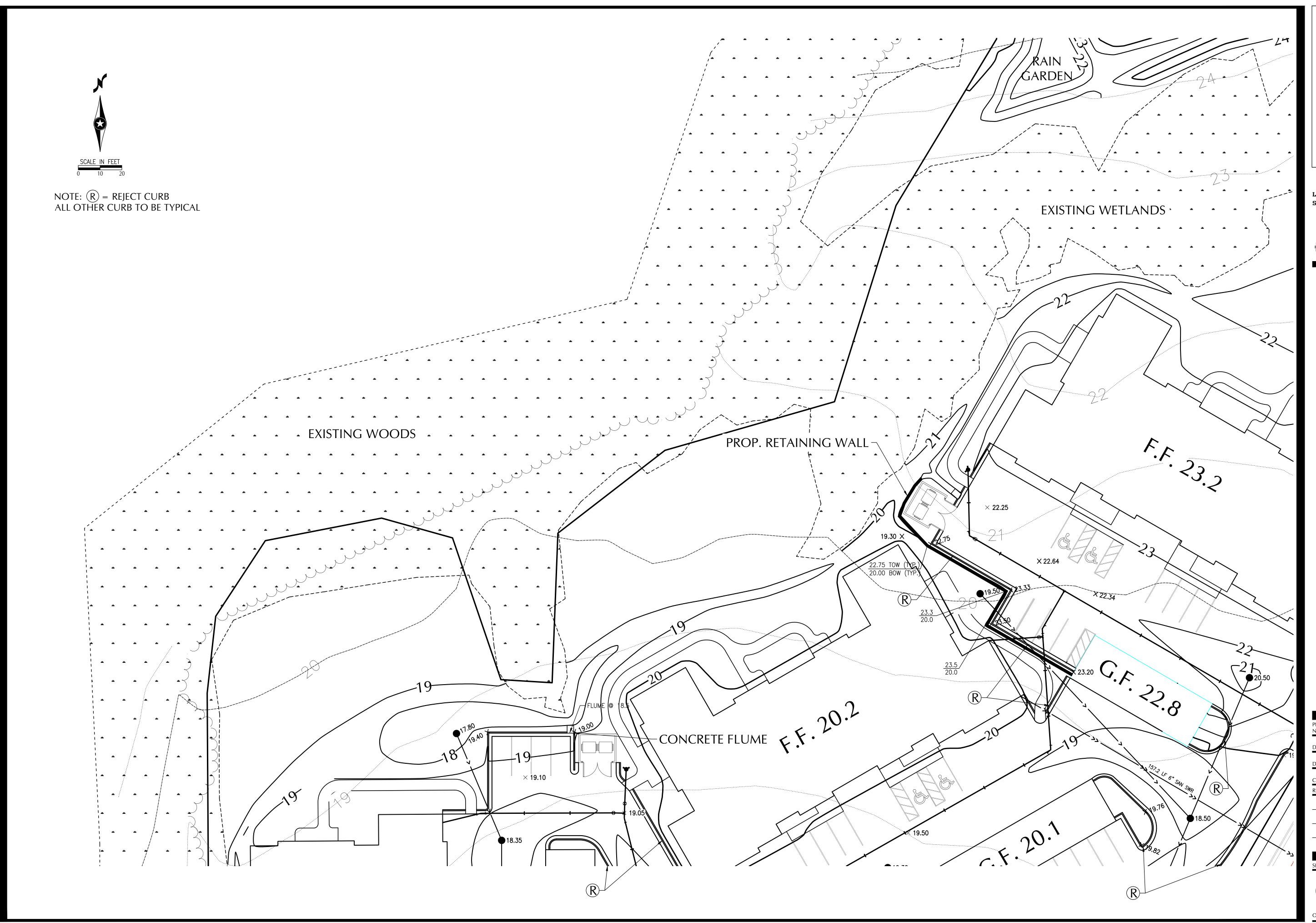
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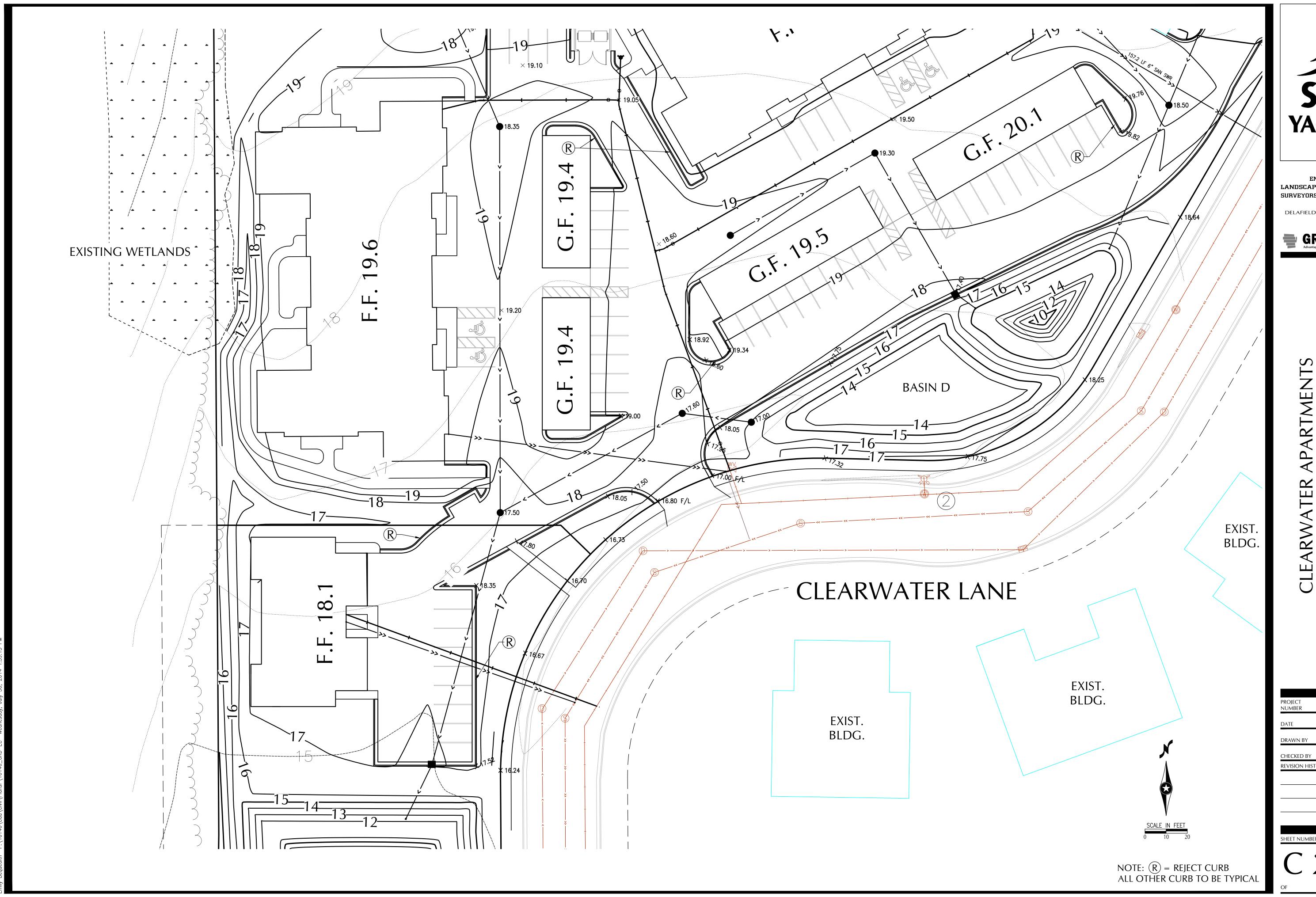
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GRADING PL

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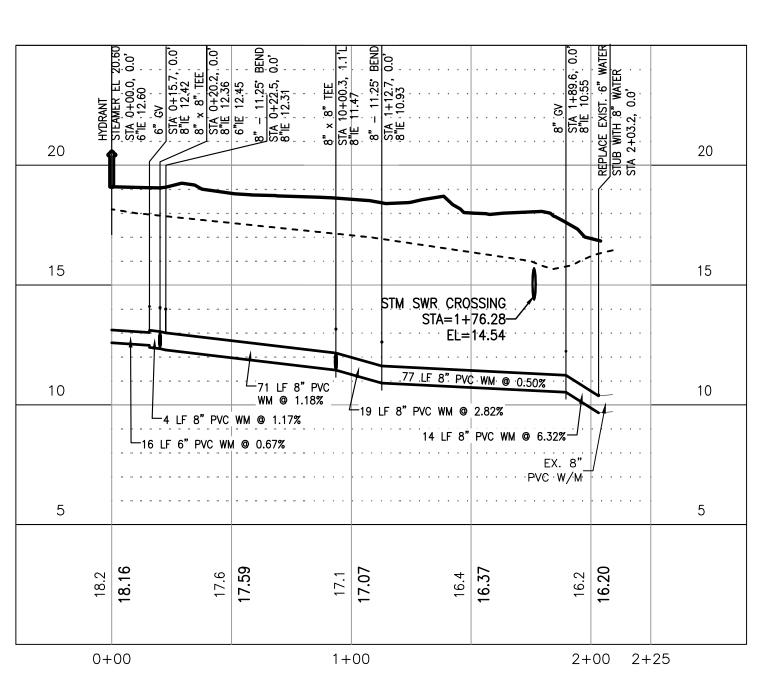
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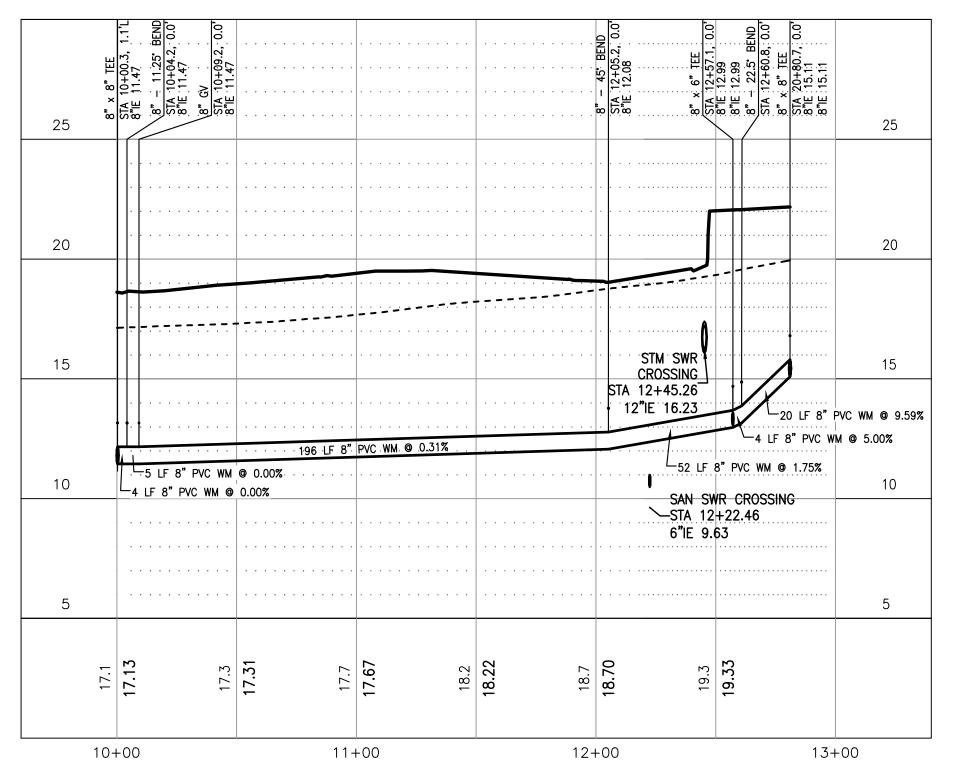
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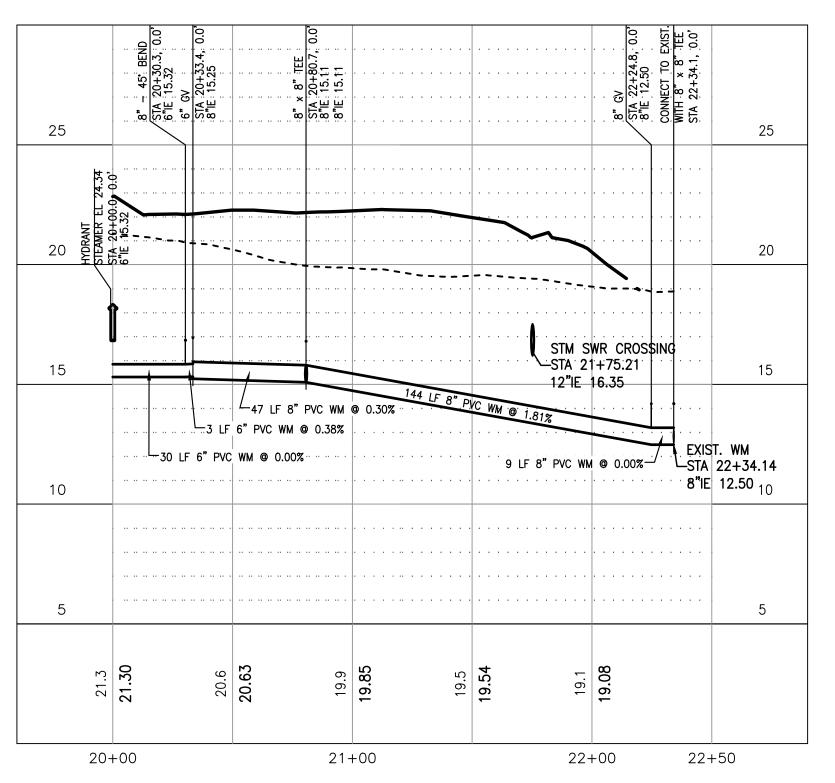
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