

NEW WAUKEE 6/7 MIDDLE SCHOOL

SITE PLAN

SHEET INDEX:

- C-001 CIVIL COVER SHEET
- C-200 - C-202 LAYOUT PLAN
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- C-500 - C-502 LANDSCAPE PLAN
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PROPERTY DESCRIPTION:

LOT 1 TRAILRIDGE SCHOOL, AN OFFICIAL PLAT, CITY OF WAUKEE, DALLAS COUNTY, IOWA.

ADDRESS:

1235 NW DOUGLAS PARKWAY
WAUKEE, IA 52023

OWNER/PREPARED FOR:

WAUKEE COMMUNITY SCHOOL DISTRICT
ATTN: KIRK JOHNSON
560 SE UNIVERSITY AVE
WAUKEE, IA 52023
PH: 515-987-6161

ENGINEER/PROJECT MANAGER:

JOEL JACKSON, P.E.
BISHOP ENGINEERING
3501 104TH STREET
URBANDALE, IA 50322
PH: 515-276-0467

ZONING:

A-1: AGRICULTURAL DISTRICT
BUILDING SETBACKS:
FRONT YARD = 35 FEET
REAR YARD = 35 FEET
SIDE YARD = 35 FEET
MAXIMUM BUILDING HEIGHT = 40 FEET

PARKING REQUIREMENTS:

DAYTIME PARKING REQUIREMENTS: 1 SPACE PER EMPLOYEE + 1 SPACE PER CLASSROOM
EVENING PARKING REQUIREMENTS: 1 SPACE PER 4 SEATS IN GYMNASIUMS & AUDITORIUMS
DAYTIME PARKING REQUIRED = 150 + 36 = 186 STALLS
EVENING PARKING REQUIRED = 10064 ÷ 252 = 282 STALLS
PARKING PROVIDED = 274 STALLS

OPEN SPACE & IMPERVIOUS SURFACE:

TOTAL SITE AREA = 3,310,854 SF
EXISTING IMPERVIOUS SURFACE = 744,700 SF
PROPOSED IMPERVIOUS SURFACE = 270,000 SF
TOTAL IMPERVIOUS SURFACE = 1,114,700 SF (33.7%)
TOTAL OPEN SPACE = 2,196,154 SF (66.3%)

BENCHMARK:

TBM 1
ARROW ON HYDRANT
LOCATED AT NW DOUGLAS PKWY & NW STRATFORD DR; ON THE NORTH R.O.W. OF NW DOUGLAS PKWY.
ELEVATION=1020.29

TBM 2

BURY BOLL ON HYDRANT
LOCATED ALONG THE WEST R.O.W. OF NW 10TH STREET, 504'-4" NORTH OF DRIVE.
ELEVATION=1011.65

SITE CONTROL:

POINT #5600
NORTHING= 593832.23
EASTING= 1530786.15
ELEVATION= 1019.04
DESCRIPTION= SET OUT "X" ON BACK OF CURB

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND SUDAS 2022 STANDARD SPECIFICATIONS. THE CITY OF WAUKEE COMMUNITY DEVELOPMENT DEPARTMENT MUST BE NOTIFIED BY ALL CONTRACTORS 48 HOURS PRIOR TO COMMENCING WORK AND PRIOR TO ANY WEEKEND OR HOLIDAY WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING WAUKEE COMMUNITY DEVELOPMENT DEPARTMENT 1 WEEK PRIOR TO ANY PLANNED WORK TO SCHEDULE A PRE-CONSTRUCTION MEETING.
- IN EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES. ANY DAMAGE TO SAID UTILITIES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT O.S.H.A. CODES AND STANDARDS. NOTHING INDICATED ON THESE PLANS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE APPROPRIATE SAFETY REGULATIONS.
- ALL NECESSARY CONSTRUCTION SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES REQUIRED DURING CONSTRUCTION WILL BE FURNISHED BY THE CONTRACTOR. SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES MUST BE IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND CITY OF WAUKEE REQUIREMENTS.
- BISHOP ENGINEERING SHALL NOT BE LIABLE FOR ANY INJURIES THAT HAPPEN ON SITE. THIS SHALL INCLUDE BUT NOT BE LIMITED TO TRENCH COLLAPSES FROM VARYING SOIL CONDITIONS OR INJURIES CAUSED BY UNDERGROUND UTILITIES INCLUDING UTILITIES THAT ARE NOT SHOWN ON PLAN.
- THE CONTRACTOR IS LIABLE FOR ALL DAMAGES TO PUBLIC OR PRIVATE PROPERTY CAUSED BY THEIR ACTION OR INACTION IN PROVIDING FOR STORM WATER FLOW DURING CONSTRUCTION. DO NOT RESTRICT FLOWS IN EXISTING DRAINAGE CHANNELS, STORM SEWER, OR FACILITIES.
- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A SCHEDULE FOR PERFORMANCE OF WORK ITEMS. THIS SCHEDULE SHALL BE PROVIDED BY THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. NO WORK SHALL BEGIN UNTIL A SCHEDULE HAS BEEN SUBMITTED AND ACCEPTED. THE CONTRACTOR SHALL THEN PERFORM WORK TO CONFORM TO THE ACCEPTED SCHEDULE.
- LABORATORY TESTS SHALL BE PERFORMED BY THE OWNER UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE SAMPLES OF MATERIAL REQUIRED FOR LABORATORY TESTS AND TESTING IN ACCORDANCE WITH THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
- THE CONTRACTOR SHALL PROTECT ALL STRUCTURES NOT SHOWN AS REMOVALS ON THE PLANS.
- THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL WORK WITH OWNER OR OWNERS REPRESENTATIVE ON ALL REQUIRED STORM WATER DISCHARGE PERMITS FROM THE IOWA DEPARTMENT OF NATURAL RESOURCES AND THE CITY OF WAUKEE.
- GRADING AND EROSION CONTROL SHALL BE DONE IN ACCORDANCE WITH THE APPROVED GRADING PLAN, SWPPP, NPDES DOCUMENTS, AND IOWA DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS.
- THE CONTRACTOR SHALL PICK UP ANY DEBRIS SPILLED ONTO THE ADJACENT RIGHT OF WAY OR ABUTTING PROPERTIES AS THE RESULT OF CONSTRUCTION, AT THE END OF EACH WORK DAY AND PRIOR TO A RAIN EVENT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROMPT REMOVAL OF ALL MUD THAT HAS BEEN TRACKED OR WASHED UNTO ADJACENT PROPERTY OR RIGHT OF WAY UNTIL SUCH TIME THAT PERMANENT VEGETATION HAS BEEN ESTABLISHED.
- DISPOSE OF ALL EXCESS MATERIALS AND TRASH IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS. PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIALS NOT DESIRABLE FOR INCORPORATION INTO THE PROJECT.
- ANY PROPOSED CHANGES TO THE APPROVED PLAN SET DURING CONSTRUCTION MUST RECEIVE WRITTEN APPROVAL FROM THE CITY OF WAUKEE COMMUNITY DEVELOPMENT DEPARTMENT AND DESIGN ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CHANGES MADE DURING CONSTRUCTION THAT HAVE NOT RECEIVED WRITTEN APPROVAL FROM THE CITY OF WAUKEE COMMUNITY DEVELOPMENT DEPARTMENT.
- CONTRACTOR SHALL PROVIDE THE CITY OF WAUKEE ENGINEERING DEPARTMENT WITH A LIST OF QUANTITIES FOR SCHEDULING INSPECTION PURPOSES.

PAVING NOTES:

- THE PAVING/ GRADING CONTRACTOR SHALL BACKFILL THE PAVING SLAB AND FINE GRADE THE RIGHT OF WAY AS SOON AFTER THE PAVING AS POSSIBLE. ALL AREAS SHALL BE SEEDDED IN ACCORDANCE WITH CITY OF WAUKEE STANDARD SPECIFICATIONS AND THE CURRENT VERSION OF SUDAS.
- SUBGRADE PREPARATION AND PAVEMENTS WILL BE CONSTRUCTED FOLLOWING RECOMMENDATIONS IN THE SOILS REPORT. APPROVED SOILS ENGINEER MUST SIGN OFF ON SUBBASE PRIOR TO ANY PAVEMENT BEING PLACED.
- SEE DETAILS FOR ALL PAVEMENT THICKNESS.
- DETECTABLE WARNING PANELS CALLED OUT ON PLANS SHALL BE PER A.D.A. REGULATIONS. PANEL TYPE & COLOR SHALL BE PER CITY STANDARD.
- ALL WALKS, PARKING LOTS, HANDICAP PARKING, RAMP, ETC. SHALL COMPLY WITH ALL A.D.A. AND CITY CODES. HANDICAP PARKING SIGNAGE IS REQUIRED FOR ALL HANDICAP STALLS AND SHALL BE CONSIDERED INCIDENTAL. IN EVENT OF A DISCREPANCY BETWEEN THE PLANS AND THE A.D.A./CITY CODES THE A.D.A./CITY CODES SHALL GOVERN. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING A.D.A. CODES ARE MET.
- ALL PAVEMENT REPLACEMENT SHALL COMPLY WITH THE WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.

UTILITY NOTES:

- QUANTITY CALLOUTS ON PIPE LENGTHS ARE APPROXIMATE AND SHOULD BE USED FOR REFERENCE ONLY.
- THE CONTRACTOR SHALL COORDINATE THE ADJUSTMENT OF ANY AND ALL EXISTING AND PROPOSED UTILITIES TO PROPOSED GRADES. EXISTING UTILITIES SHALL BE REPAIRED OR LOWERED IN ACCORDANCE WITH THE UTILITY OWNER REQUIREMENTS. ANY NECESSARY ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- ALL PROPOSED RCP STORM SEWER PIPE JOINTS SHALL BE FABRIC WRAPPED AND THE LAST 3 PIPE SECTIONS ON THE APRON SHALL BE TIED WITH RF-14 TYPE II CONNECTORS. ALL APRONS SHALL HAVE A STANDARD FOOTING AND TRASH GUARD. ALL FLARED END SECTIONS SHALL HAVE A 3' WIDE CLAY WATERSTOP (SUDAS SW-105).
- ALL RIP RAP CALLED OUT ON PLANS SHALL BE UNDERLAIN WITH ENGINEERING FABRIC.
- ALL STRUCTURE SIZES CALLED OUT ON PLANS ARE MINIMUM INSIDE WALL DIMENSIONS.
- ALL STRUCTURES CALLED OUT AS "MODIFIED" OR "SPECIAL" SHALL BE ENGINEERED BY THE PRECASTER TO ENSURE STRUCTURE STABILITY. MODIFICATIONS INCLUDE ADDITIONAL WALL LENGTH TO ACCOUNT FOR LARGE PIPE DIAMETERS AND ADDITIONAL WALL WIDTH & BASE DEPTH TO ACCOUNT FOR DEEPER STRUCTURES. ANY AND ALL MODIFICATIONS TO STANDARD STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO BID.
- SANITARY SERVICES SHALL MAINTAIN 18" OF VERTICAL SEPARATION FROM THE WATERMAIN WITH 18" OF COMPACTED LOW PERMEABILITY SOIL BETWEEN THE UTILITIES WITHIN 10' OF THE CROSSING.
- MANDREL AND PRESSURE TESTS SHALL BE REQUIRED FOR ALL PROPOSED SANITARY LINES. ALL SANITARY MANHOLES SHALL BE VACUUM TESTED. ALL SANITARY AND STORM LINES SHALL BE CLEANED AND TELEVIEWED PRIOR TO PAVING. THE CITY SHALL WITNESS ALL CLEANING AND TELEVIEWING. COPIES OF THE REPORTS AND VIDEOS SHALL BE PROVIDED TO THE CITY OF WAUKEE ENGINEERING DEPARTMENT.
- ALL UTILITIES SHALL BE TESTED TO CITY OF WAUKEE STANDARDS AND THE CITY OF WAUKEE ENGINEERING DEPARTMENT SHALL WITNESS ALL TESTING.
- ALL WATER LINE MATERIAL SHALL BE C-900 UNLESS NOTED OTHERWISE ON PLANS. SIZE OF WATERMAIN AS SHOWN ON PLANS.
- THRUST BLOCKS SHALL BE INSTALLED AS REQUIRED AND SHALL BE CONSIDERED INCIDENTAL TO WATERMAIN CONSTRUCTION.
- PROPOSED WATERMAIN SHALL BE PRESSURE TESTED, BACTERIA TESTED AND CHLORINATED. THE FILLING OF THE WATER MAIN SHALL BE DONE BY THE CITY OF WAUKEE.
- TRACER WIRE SHALL BE ADDED TO ALL WATER MAIN, AND BROUGHT TO THE SURFACE AT EVERY HYDRANT.
- ALL HYDRANTS WILL IMMEDIATELY BE COVERED WITH A BLACK PLASTIC BAG (OR EQUIVALENT) ONCE THE HYDRANT IS INSTALLED. THE CITY OF WAUKEE WILL NOTIFY THE CONTRACTOR WHEN THE BAGS CAN BE REMOVED.
- THE MINIMUM HYDRANT LEAD SHALL BE 3.5 FEET.
- FIRE HYDRANT ASSEMBLY SHALL INCLUDE TEE, BRANCH, VALVE & HYDRANT AND A 5" STORZ CONNECTION.
- ANY AND ALL HYDRANT AND VALVE EXTENSIONS, TOGETHER WITH VERTICAL BENDS, SHALL BE CONSIDERED INCIDENTAL TO WATER MAIN CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR INCIDENTAL ITEMS.
- ALL UTILITY CONNECTIONS TO EXISTING UTILITIES SHALL BE COORDINATED WITH THE CITY OF WAUKEE ENGINEERING DEPARTMENT.

UTILITY CONFLICT NOTES:

- UTILITY CONFLICTS MAY EXIST ACROSS THE SITE WITH NEW UTILITIES, GRADING, PAVING ETC. MOST UTILITY CONFLICTS HAVE BEEN CALLED OUT FOR CONTRACTOR CONVENIENCE.
- CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY CONFLICTS THAT ARE EITHER CALLED OUT ON THE PLANS OR THAT CAN BE SEEN ON THE PLANS BETWEEN AN EXISTING UTILITY AND PROPOSED CONSTRUCTION.
- CONTRACTOR SHALL USE O-RING GASKET JOINTS FOR STORM SEWER AND SANITARY SEWER AT CROSSINGS WITH WATER WHERE STORM OR SANITARY SEWER CROSSES OVER OR LESS THAN 18 INCHES BELOW WATER. O-RING GASKET JOINTS SHALL BE EXTENDED UNTIL WATER AND SEWER ARE AT LEAST 10 FEET APART. ALL O-RING GASKET JOINTS SHALL BE CONSIDERED INCIDENTAL TO BID. IF N-12 PIPE IS USED FOR STORM SEWER, CONTRACTOR SHALL USE WATER-TIGHT N-12 PIPE, CENTERED ON THE CROSSING.
- FOR ALL CRITICAL CROSSINGS WITH EXISTING UTILITIES, THE ELEVATION OF THE EXISTING UTILITY SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. NOTIFY BISHOP ENGINEERING PRIOR TO CONSTRUCTION IF A CONFLICT EXISTS.

EARTHWORK BALANCE NOTES:

- EXISTING CONTOURS SHOWN ON PLANS ARE A COMBINATION OF THE SITE SURVEY PERFORMED IN NOVEMBER 2020 AND PROPOSED CONTOURS FROM THE WAUKEE 89 SCHOOL PROJECT.
- SOIL IMPORT OR EXPORT ON THIS PROJECT SHALL BE CONSIDERED INCIDENTAL AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY. CONTRACTOR RESPONSIBLE FOR MAKING THE SITE EARTHWORK BALANCE.
- THIS INCLUDES BUT IS NOT LIMITED TO TOPSOIL, POOR SOILS AND STRUCTURAL FILL NECESSARY TO MEET PROJECT PLANS AND SPECIFICATIONS.
- WAUKEE 89 SCHOOL GRADING CONTRACTOR (ELDER) WILL BE REMOVING APPROXIMATELY 12,300 CY OF TOPSOIL FROM THE PILE IN 2023. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION WITH ELDER AND TAKING THIS SITUATION INTO ACCOUNT. CONTRACTOR WILL BE RESPONSIBLE FOR RE-SPREADING ENTIRE TOPSOIL STOCKPILE. NO CHANGE ORDERS WILL BE ISSUED AS IT RELATES TO EARTHWORK QUANTITIES.

SWPPP NOTES:

- STORM WATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED BY BISHOP ENGINEERING. CONTACT JAMES RODEMYER (515-276-0467) FOR A COPY OF THE SWPPP.
- NPDES PERMIT AUTHORIZATION NUMBER: 38785-38416
- THIS PROJECT INCLUDES SAWCUTTING OR CONCRETE GRINDING SO PROTECTION OF STORM SEWERS AND DRAINAGE WAYS WILL NEED TO BE PROVIDED FROM SLURRY FROM THE CONCRETE OPERATIONS. SEE SWPPP SHEET AND NARRATIVE FOR ADDITIONAL DETAILS.

SPECIFICATIONS NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE WAUKEE 6/7 MIDDLE SCHOOL PROJECT SPECIFICATIONS, THE 2020 CITY OF WAUKEE STANDARD SPECIFICATIONS AND 2022 SUDAS SPECIFICATIONS.
- FOR ANY DISCREPANCIES BETWEEN THE WAUKEE 6/7 MIDDLE SCHOOL PROJECT SPECIFICATIONS AND THE CURRENT EDITION OF IOWA SUDAS, THE PROJECT SPECIFICATIONS SHALL GOVERN UNLESS DIRECTED OTHERWISE BY THE CITY OF WAUKEE OR THE PROJECT ENGINEER.
- FOR ALL SPECIFICATION DISCREPANCIES, PROJECT ENGINEER SHALL BE CONTACTED PRIOR TO PROCEEDING WITH CONSTRUCTION. IF ENGINEER IS NOT CONTACTED, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PROBLEMS THAT RESULT FROM SAID DISCREPANCIES.
- FOR ALL SPECIFICATION DISCREPANCIES, CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE CITY OF WAUKEE ENGINEERING DEPARTMENT FOR ANY CHANGES TO PROPOSED SITE INFRASTRUCTURE OR GRADES PRIOR TO PROCEEDING WITH ANY CHANGES.

MONUMENT AND BUILDING SIGNAGE:

- ALL MONUMENT SIGNS ARE SUBJECT TO REVIEW BY THE CITY OF WAUKEE COMMUNITY DEVELOPMENT DEPARTMENT
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL SIGN PERMITS PRIOR TO INSTALLATION OF ANY GROUND OR BUILDING SIGNAGE AND SHALL ENSURE COMPLIANCE WITH ALL CITY REGULATIONS.

SECURITY NOTES:

- CONTRACTOR RESPONSIBLE FOR SECURITY OF THE SITE.
- TEMPORARY FENCES OR ANY OTHER SECURITY MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- NO SECURITY MEASURES WILL BE ELIGIBLE FOR A CHANGE ORDER AND MUST BE INCLUDED IN THE BASE BID.

STAKING NOTES:

- CONTRACTOR IS REQUIRED TO HAVE ALL STAKING DONE UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR AND IN COORDINATION WITH THE PROJECT ENGINEER.
- CONTRACTOR IS REQUIRED TO HAVE ALL STAKING DONE DIRECTLY UNDER THE GENERAL CONTRACTOR BY A SINGLE COMPANY.
- STAKING DOES NOT RELIEVE CONTRACTOR OF ULTIMATE RESPONSIBILITY TO CONSTRUCT THE PROJECT PER PLAN.

PAVEMENT SAWCUT NOTES:

- CONTRACTOR SHALL FOLLOW JOINTING SHOWN ON PLANS. IF CONTRACTOR WANTS TO DEVIATE FROM JOINTING SHOWN, CONTRACTOR SHALL PROVIDE SAWCUT JOINTING PLAN TO JOEL JACKSON, BISHOP ENGINEERING (515-276-0467 OR JACKSON@BISHOPENGR.COM) PRIOR TO ANY CONCRETE PAVEMENT INSTALLATION.
- PAVEMENT MAY BE REQUIRED TO BE REMOVED AND REPLACED IF PLACED NOT IN COMPLIANCE WITH JOINTING PLAN.
- LONGITUDINAL JOINTS IN DRIVE LANES & THE OUTER MOST JOINT OF ALL PARKING AREAS SHALL BE SUDAS TYPE 1'-1" OR 1'-2" JOINTS AND HAVE STEEL INTERIOR PARKING LOT JOINTS, OTHER THAN THE OUTER MOST JOINT. DO NOT NEED STEEL AND SHALL BE SUDAS TYPE 'B' JOINTS.
- TYPICAL LONGITUDINAL JOINTS SHALL BE PLACED IN THE CENTER OF ALL DRIVE AISLES AND AT THE END OF ALL PARKING STALLS.
- ALL TRANSVERSE JOINTS SHALL BE SUDAS TYPE 'C' OR 'TYPE' 'DW' JOINTS WITH STEEL IN THE CASE OF A DAY'S WORK JOINT.

PAVEMENT PLACEMENT NOTES:

- SEE PROJECT SPECIFICATION SECTION 32 13 13 FOR LASER SCREED REQUIREMENTS.

FIRE DEPARTMENT ACCESS NOTES:

- AN APPROVED FIRE APPARATUS ACCESS ROAD SHALL BE PROVIDED FOR ALL BUILDINGS, OR PORTIONS OF A BUILDING AS SOON AS VERTICAL CONSTRUCTION OF THE BUILDING COMMENCES.
- FIRE APPARATUS ACCESS ROAD SHALL COMPLY WITH THE REQUIREMENTS OF 2015 IFC 503.2 AND SHALL EXTEND TO WITHIN 150 FEET OF ALL EXTERIOR PORTIONS OF THE BUILDING AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING.
- FIRE APPARATUS TRAIL (AS SHOWN ON PLANS) SHALL BE INSTALLED PRIOR TO BUILDING GOING VERTICAL. IF PAVEMENT IS NOT PLANNED TO BE INSTALLED PRIOR TO THE BUILDING GOING VERTICAL, THAN TEMPORARY ROCK ACCESS SHALL BE PROVIDED AROUND THE BUILDING AND CONNECTED TO THE ROCK CONSTRUCTION ENTRANCE.
- ANY TEMPORARY ROCK USED FOR THE FIRE DEPARTMENT ACCESS ROUTE SHALL BE REMOVED FROM THE SITE PRIOR TO TOPSOIL SPREADING AND SEEDING. SEE TOPSOIL NOTES ON COVER SHEET AND GRADING PLAN.
- ANY AND ALL FIRE APPARATUS ACCESS ROAD WORK NECESSARY TO COMPLY WITH WAUKEE FIRE DEPARTMENT REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO BID.

FENCE NOTES:

- SEE PLANS, DETAILS AND SPECIFICATIONS ON ALL FENCES.
- FENCES SHALL BE INSTALLED PRIOR TO SIDEWALKS IN MANY AREAS. THE CONCRETE SHALL BE AROUND THE FENCE POSTS AND THE FENCE IS NOT ALLOWED TO BE BOLTED TO OR ATTACHED TO THE WALKS. SEE DETAILS FOR FURTHER INFORMATION.

STORM & SANITARY TELEVIEWING NOTES:

- CONTRACTOR IS REQUIRED TO TELEVIEW ALL SANITARY AND STORM SEWER SYSTEM PRIOR TO PAVING OPERATIONS.
- CONTRACTOR SHALL SEND VIDEO INSPECTION TO THE ENGINEER FOR APPROVAL PRIOR TO PAVING.
- CONTRACTOR SHALL PROVIDE COPIES OF THE REPORTS AND VIDEOS TO THE WAUKEE ENGINEERING DEPARTMENT FOR APPROVAL PRIOR TO PAVING.

REQUIRED AS-BUILTS:

THE OWNER SHALL BE RESPONSIBLE FOR COST OF AS-BUILT TOP OF ALL DETENTION PONDS & DETENTION POND STORM SEWER, PUBLIC STORM SEWER, RAMP, LANDINGS, CROSSWALKS AND PUBLIC IMPROVEMENTS. CONTRACTOR SHALL CONTACT BISHOP ENGINEERING (JOEL JACKSON AT 515-276-0467) TO PERFORM SAID AS-BUILT SURVEYS. IF ANYTHING HAS BEEN CONSTRUCTED INCORRECTLY, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBSEQUENT AS-BUILT SURVEYS UNTIL ISSUES HAVE BEEN RECTIFIED.

"CONTRACTOR SHALL CONTACT BISHOP ENGINEERING FOR POND AS-BUILTS AFTER TOPSOIL RESPREAD AND BEFORE SEEDING HAS TAKEN PLACE"

AFTER DETENTION BASINS HAVE BEEN AS-BUILT AND APPROVED, BISHOP ENGINEERING SHALL PROVIDE A SIGNED CERTIFICATION STATEMENT TO THE CITY INDICATING THAT FACILITIES WERE CONSTRUCTED AS DESIGNED.

FARM TILE NOTES:

- ACTIVE EXISTING FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE REPAIRED, REROUTED, OR CONNECTED TO PUBLIC OR PRIVATE STORM SEWER TO REMAIN IN SERVICE. CONNECT TO STORM SEWER WITH AN INSERT-A-TEE OR DIRECTLY TO A STORM STRUCTURE.
- IT IS ANTICIPATED THAT THE SITE CONTAINS FIELD TILES. HOWEVER, LIMITED INFORMATION IS AVAILABLE.
- THIS WORK WILL BE ELIGIBLE FOR A CHANGE ORDER IF, AND ONLY IF, PROPOSED SITE STORM SEWER IS NOT WITHIN 50 FEET OF THE FIELD TILE.
- CONTRACTOR SHALL PROVIDE AS-BUILTS OF FARM TILES TO BISHOP ENGINEERING WITH BOTH ELEVATIONS AND STATE PLANE COORDINATES.

TOPSOIL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING GEOTECHNICAL ENGINEER WHEN TOPSOIL HAS BEEN PLACED / RE-SPREAD ON SITE. GEOTECHNICAL ENGINEER WILL THEN INVESTIGATE AND PROVIDE WRITTEN VERIFICATION TO THE OWNER THAT AT LEAST 8" OF TOPSOIL HAS BEEN PLACED IN ALL PERVIOUS AREAS OF THE SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF HAULING IN ADDITIONAL TOPSOIL IN AREAS THAT ARE DEFICIENT. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ADDITIONAL COSTS FOR SUBSEQUENT TOPSOIL DEPTH TESTING PERFORMED BY GEOTECHNICAL ENGINEER IF SITE IS FOUND TO BE DEFICIENT.

WETLAND NOTES:

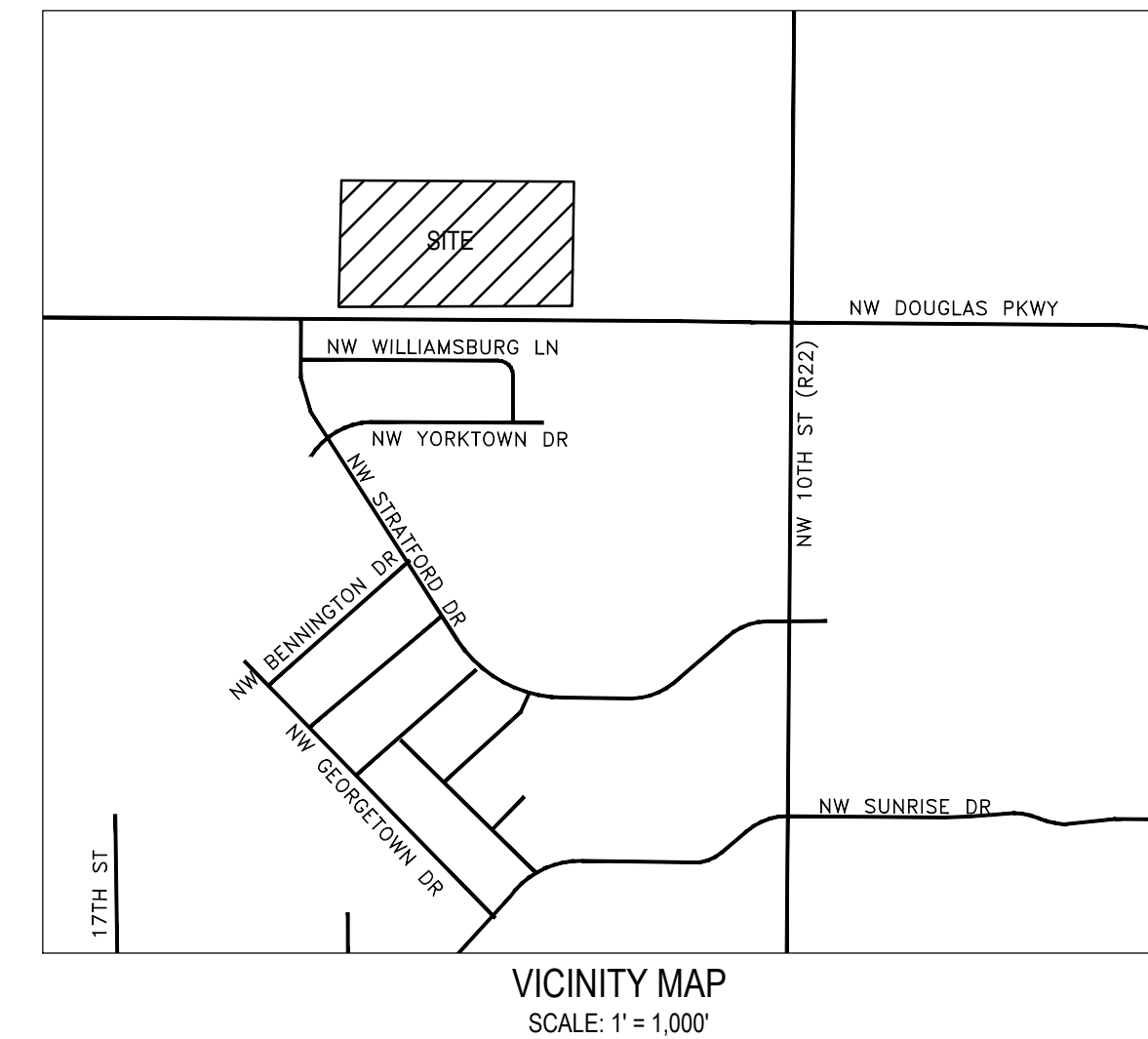
- A WETLAND INVESTIGATION WAS COMPLETED ON THE PROJECT SITE BY EMMONS AND OLIVER RESOURCES, INC. FOUR SMALL AGRICULTURAL WETLANDS WERE FOUND. THE REPORT WAS SUBMITTED TO THE ARMY CORPS OF ENGINEERS, WHICH DETERMINED THAT THE WETLANDS ARE NOT JURISDICTIONAL WATERS OF THE UNITED STATES, AND DOES NOT REQUIRE A SECTION 404 PERMIT.

SOILS REPORT:

- REFERENCE ALLENDER BUTZKE SOILS REPORT (PN 2014172) FOR ADDITIONAL SOILS INFORMATION INCLUDING BUT NOT LIMITED TO SUBGRADE INFORMATION, FOOTING DESIGN, AND ANY POSSIBLE OVER EXCAVATION DUE TO POOR SOILS. PAVEMENT SECTIONS ON THE PLANS GOVERN OVER PAVEMENT THICKNESS IN THE SOILS REPORT.

POND GRADING & CONSTRUCTION NOTES:

- THE WET DETENTION POND WILL REQUIRE A CLAY LINER TO AN ELEVATION OF 2' ABOVE THE NORMAL POOL ELEVATION. CLAY LINER SHALL BE 12" THICK AND CONFORM TO ALL GEOTECHNICAL ENGINEER RECOMMENDATIONS AND PLAN DETAILS.
- OVER-EXCAVATION OF SAND SEEMS OR SAND LAYERS MAY BE NECESSARY TO PREVENT SLUFFING AND ALSO TO PREVENT GROUND WATER FROM COMPROMISING THE CLAY LINER. COORDINATE WORK WITH GEOTECHNICAL ENGINEERS ON THE CLAY LINER ON THIS PROJECT.
- IF THE POND DOES NOT HOLD WATER, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REWORK NECESSARY TO RECTIFY THE PROBLEM.
- ANY POND PUMPING NECESSARY, INCLUDING BUT NOT LIMITED TO, GRADING, INSTALLATION OF POND EDGE OR UTILITY INSTALLATION SHALL BE CONSIDERED INCIDENTAL.
- POND DEPTH VERIFICATION: AT END OF PROJECT, CONTRACTOR SHALL VERIFY THE WET POND DEPTH AS MEASURED FROM NORMAL POOL EVERY 50' F DOWN THE MIDDLE OF THE POND. FINAL MEASUREMENTS MUST BE NO LESS THAN 24" FROM DESIGN POND DEPTH FOR THE MAIN POND AREA. MEASUREMENT TO SEDIMENT FOREBAY MUST BE NO LESS THAN 6" FROM DESIGN DEPTH. EXACT PROCESS OF MEASUREMENT IS CONTRACTOR MEANS & METHODS.
- IF POND DOES NOT MEET DEPTH REQUIREMENTS BECAUSE OF EITHER SILTING ACTION OR IMPROPER GRADING, CONTRACTOR SHALL CORRECT ISSUE AT NO COST TO THE SCHOOL DISTRICT.

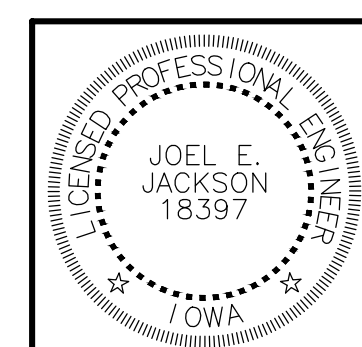


LEGEND:

- SAN — SANITARY SEWER
- ST — STORM SEWER
- W — WATER LINE
- G — GAS LINE
- UE — UNDERGROUND ELECTRIC
- OE — OVERHEAD ELECTRIC
- TELE — TELEPHONE LINE
- F/O — FIBER OPTIC
- CATV — CABLE TV
- ⊗ STORM MANHOLE
- ⊠ CURB INTAKE
- ⊡ SURFACE INTAKE
- ⊞ FLARED END SECTION
- ⊕ SANITARY MANHOLE
- ⊟ CLEANOUT
- ⊗ FIRE HYDRANT
- ⊘ SPRINKLER
- ⊙ IRRIGATION CONTROL VALVE
- ⊚ WATER MANHOLE
- ⊛ WELL
- ⊜ WATER VALVE
- ⊝ WATER SHUT OFF
- ⊞ YARD HYDRANT
- ⊟ ELECTRIC MANHOLE
- ⊠ ELECTRIC METER
- ⊡ ELECTRIC RISER
- ⊞ ELECTRIC VAULT
- ⊟ POWER POLE
- ⊘ TRANSFORMER POLE
- ⊙ LIGHT POLE
- ⊡ ELECTRIC JUNCTION BOX
- ⊞ ELECTRIC PANEL
- ⊟ TRANSFORMER
- ⊘ GROUND LIGHT
- ⊙ GUY WIRE
- ⊡ ELECTRIC HANDHOLE
- ⊟ GAS METER
- ⊘ GAS VALVE
- ⊞ AIR CONDITIONING UNIT
- ⊟ TELEPHONE RISER
- ⊡ TELEPHONE VAULT
- ⊟ TELEPHONE MANHOLE
- ⊘ ORANGE SIGNAL MANHOLE
- ⊙ FIBER OPTIC MANHOLE
- ⊡ FIBER OPTIC FAULT
- ⊟ FIBER OPTIC RISER
- ⊡ PUBLIC UTILITY EASEMENT
- ⊟ CABLE TV RISER
- ⊘ SIGN
- BOLLARD
- ⊙ DENOTES NUMBER OF PARKING STALLS
- PROPERTY CORNER - FOUND AS NOTED
- PROPERTY CORNER - PLACED AS NOTED
- ⊙ SECTION CORNER - FOUND AS NOTED

ABBREVIATIONS:

- AC ACRES
- ASPH ASPHALT
- BK BOOK
- CONC CONCRETE
- D DEEDED DISTANCE
- EX EXISTING
- ENCL ENCLOSURE
- FF FINISHED FLOOR
- FL FLOW LINE
- FRAC FRACTIONAL
- M MEASURED DISTANCE
- MH MANHOLE
- OPC ORANGE PLASTIC CAP
- P PLATTED DISTANCE
- PC PAGE
- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- PRA PREVIOUSLY RECORDED AS
- PLIE PUBLIC UTILITY EASEMENT
- R/R RIGHT OF WAY
- RPC RED PLASTIC CAP
- SF SQUARE FEET
- SAN SANITARY
- TP TYPICAL
- YPC YELLOW PLASTIC CAP
- N NORTH
- S SOUTH
- E EAST
- W WEST



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNED: JOEL E. JACKSON, P.E. 18397 DATE: _____
 LICENSE RENEWAL DATE: DEC. 31, 2022 C-001 - C-701
 PAGES OR SHEETS COVERED BY THIS SEAL: _____

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NEW WAUKEE 6/7 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

PROJECT NO.:
1018v
 DATE:
 JANUARY 2023

REVISIONS:
 10/25/22 - 1ST CITY SET
 11/08/22 - 2ND CITY SET
 11/22/22 - 3RD CITY SET

DRAWING TITLE:
CIVIL COVER SHEET

DRAWING NO.:
C-001



UTILITY NOTE:
 THE LOCATION OF THE UTILITIES INDICATED ON THE PLANS HAVE BEEN TAKEN FROM THE FIELD SURVEY, EXISTING PUBLIC RECORDS, AND PLANS PROVIDED BY OTHERS. SURFACE UTILITY LOCATIONS HAVE BEEN FIELD LOCATED BY BISHOP ENGINEERING, UNLESS OTHERWISE NOTED. ALL UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE LOCATIONS ONLY. BISHOP ENGINEERING DOES NOT GUARANTEE THE UNDERGROUND LOCATION OF ANY UTILITIES SHOWN. IT SHALL BE THE DUTY OF THE CONTRACTOR TO DETERMINE THE LOCATION AND DEPTH OF ANY UNDERGROUND UTILITIES SHOWN AND IF ANY ADDITIONAL UTILITIES, OTHER THAN THOSE SHOWN ON THE PLANS, MAY BE PRESENT, A REQUEST WAS MADE TO IOWA ONE CALL FOR UTILITY PROVIDERS TO VERIFY, LOCATE, AND MARK THEIR UTILITIES IN THE FIELD.

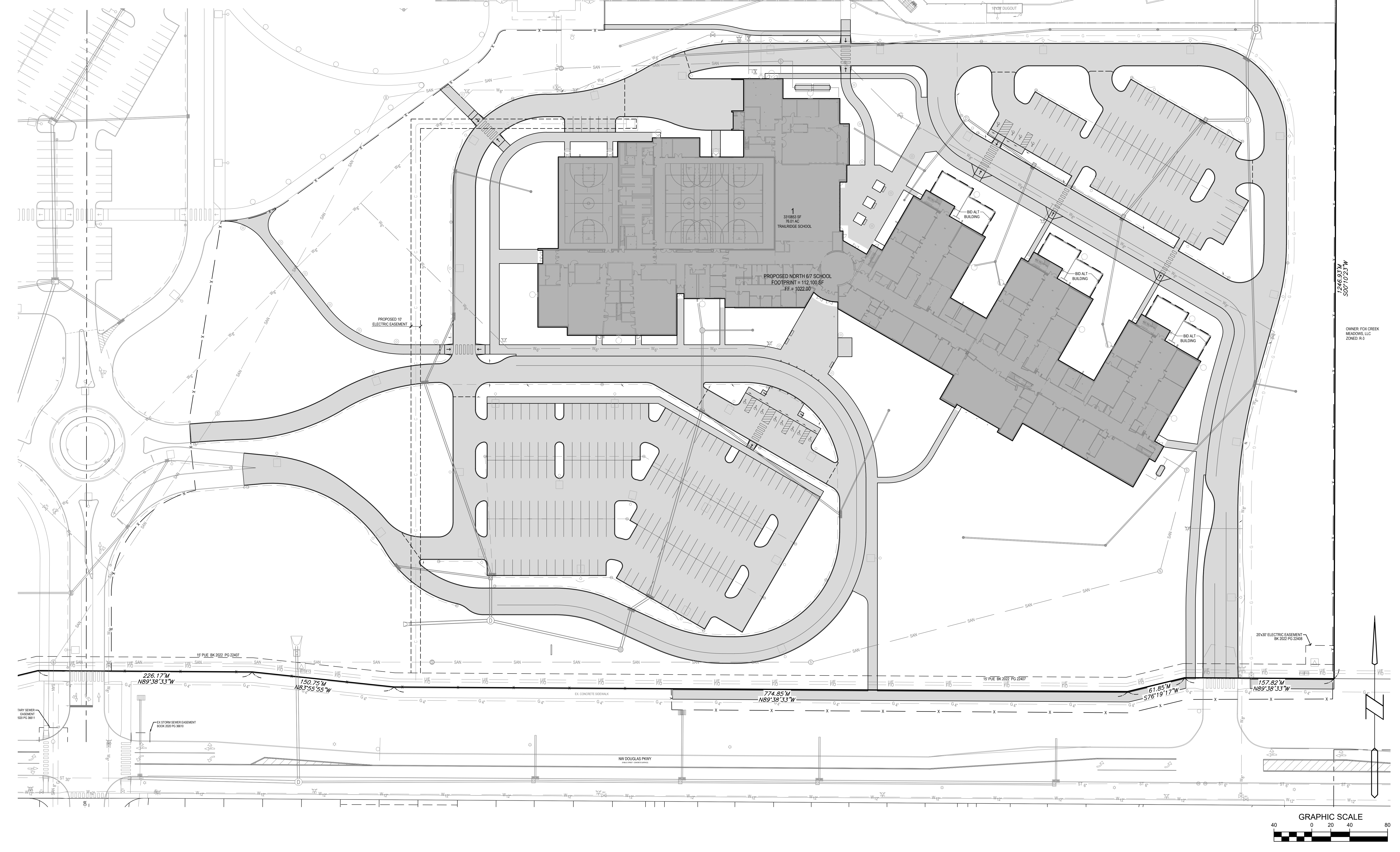
COPYRIGHT 2021 BISHOP ENGINEERING. THIS DOCUMENT AND THE INFORMATION CONTAINED MAY NOT BE REPRODUCED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF BISHOP ENGINEERING. UNAUTHORIZED COPYING OR DISCLOSURE OF CONSTRUCTION USE ARE PROHIBITED BY COPYRIGHT LAW.

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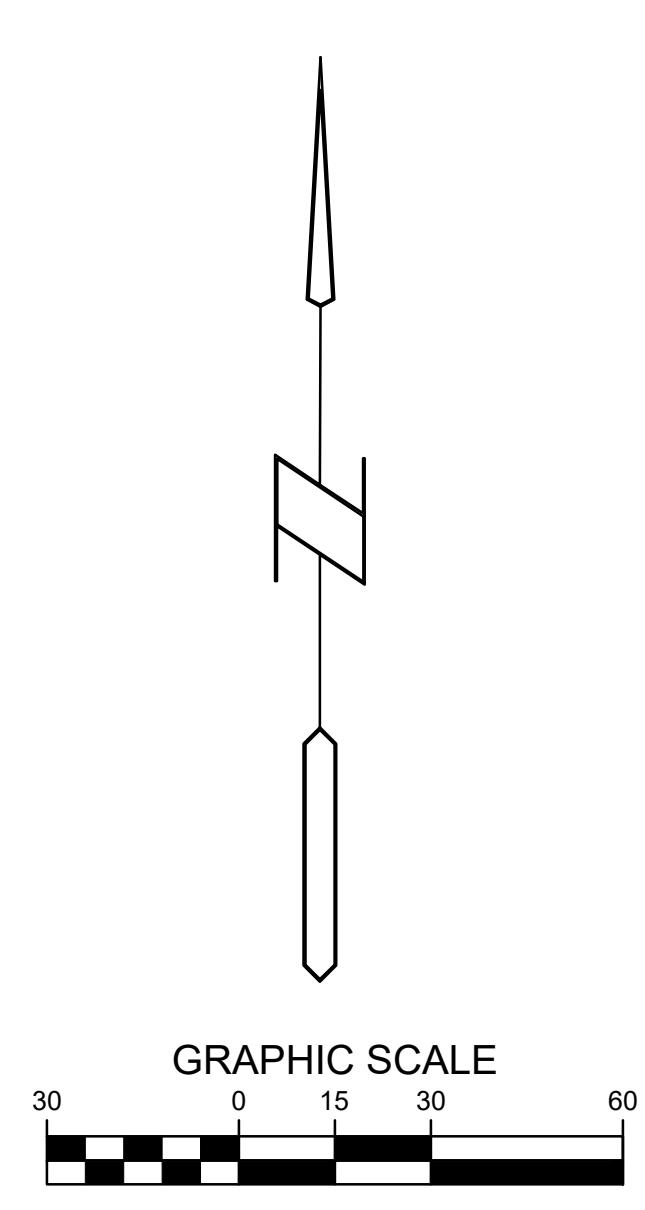
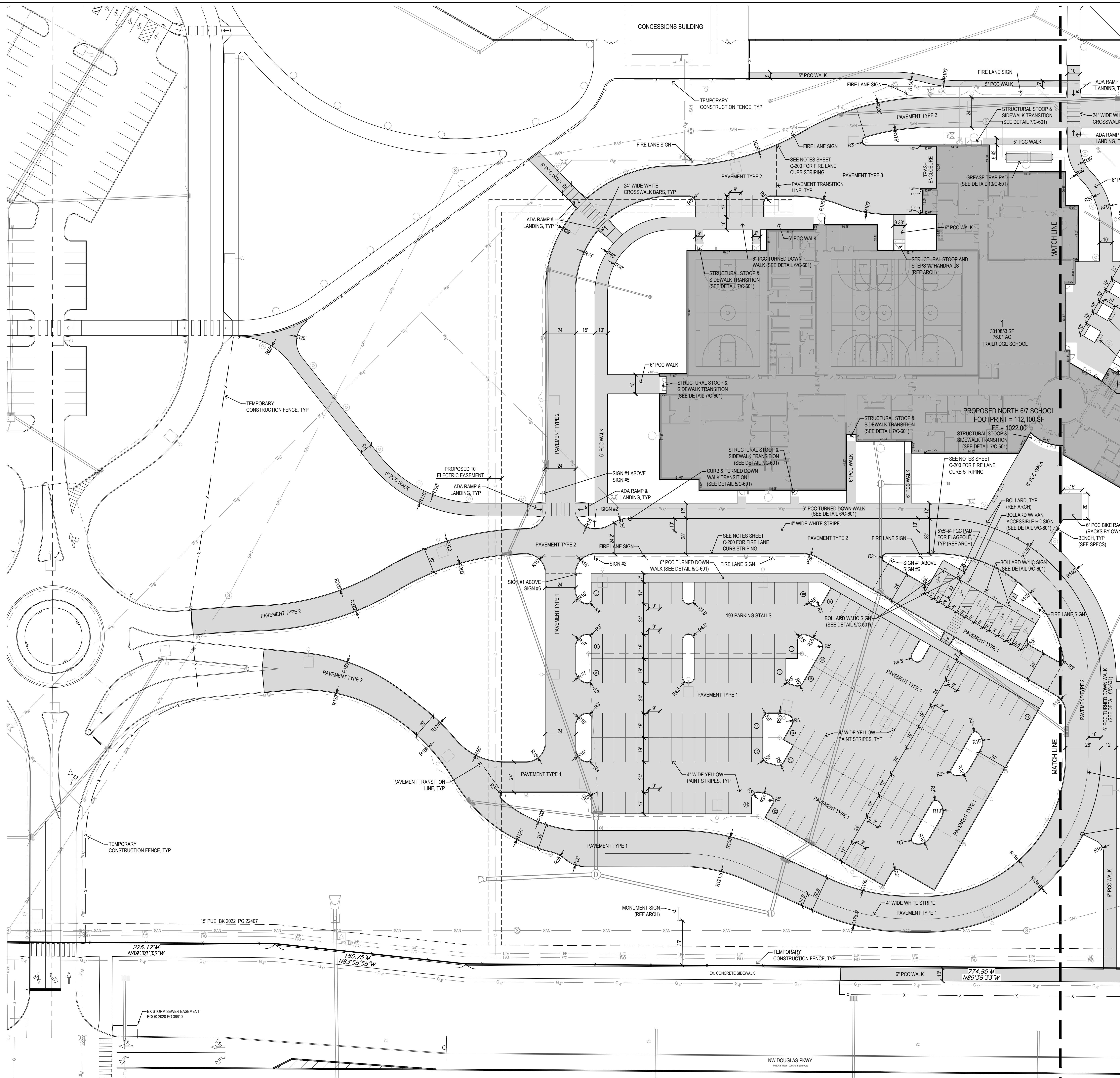
- FIRE LANE SIGN NOTES:**
1. FIRE LANE SIGN SHALL BE 18" TALL X 12" WIDE WITH RED LETTERS ON A WHITE REFLECTIVE BACKGROUND TO READ "FIRE LANE - NO PARKING EXCEPT FOR EMERGENCY VEHICLES".
 2. ALL FIRE LANE SIGNS SHALL BE PROVIDED & INSTALLED BY THE CONTRACTOR.
 3. ALL FIRE LANE SIGNS SHALL BE MOUNTED ON A 2"x2" SQUARE BLACK POWDER COATED METAL POLE.
 4. FIRE LANE SIGNS SHALL BE PLACED BETWEEN 2-FEET AND 4-FEET FROM THE EDGE OF THE FIRE LANE.
 5. ALL SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30 DEGREES AND NOT MORE THAN 45 DEGREES WITH THE LINE OF TRAFFIC FLOW.
 6. SIGNS IN OPEN SPACE SHALL BE MOUNTED 5-FEET FROM THE FINISHED GROUND GRADE TO THE BOTTOM OF THE SIGN.
 7. SIGNS IN SIDEWALK SHALL BE MOUNTED 6-FEET FROM THE FINISHED GROUND GRADE TO THE BOTTOM OF THE SIGN.
 8. SIGNS POSTS IN OPEN SPACE SHALL BE DIRECT BURIED A MINIMUM OF 3-FEET.
 9. FOR SIGN POSTS IN SIDEWALK: 3/4" DIAMETER CORE DILL SIDEWALK TO FULL DEPTH. DIRECT BURY 2.25" SQUARE ANCHOR POST 3-FEET MINIMUM. BACKFILL VOID WITH SAND TO WITHIN 1" OF FINISHED SURFACE. FILL FINAL 1" WITH GROUT. BOLTED PLATE INSTALLATIONS ARE NOT ALLOWED.

- FIRE LANE STRIPING NOTES:**
1. FIRE LANES SHALL BE STRIPED IN RED ALONG THE ENTIRE LENGTH OF THE FIRE LANE AS CALLED OUT ON PLANS.
 2. FIRE LANE STRIPING SHALL NOT BE STRIPED BETWEEN CROSSWALK STRIPES.
 3. VERTICAL CURBS SHALL BE PAINTED RED ON THE TOP AND SIDE.
 4. WHERE NO CURB EXISTS, A 6" WIDE STRIPE SHALL BE PAINTED.
 5. THE WORDS "NO PARKING - FIRE LANE" SHALL BE STENCILED WITH 3" TALL WHITE LETTERS AND A MINIMUM 3/4" STROKE ON THE VERTICAL FACE OF CURBING. IF NO CURB, THE LETTERING SHALL BE PLACED ON THE RED STRIPE. STENCILING SHALL BE SPACED AT FIFTY FOOT INTERVALS ALONG THE ENTIRE FIRE LANE LENGTH.

- TRAFFIC SIGN NOTES:**
1. THESE NOTES SHALL APPLY ONLY TO TRAFFIC & DIRECTIONAL SIGNS. FOR HANDICAP PARKING SIGNS SEE DETAIL PROVIDED ON SHEET C-501. FOR FIRE LANE SIGNS, SEE NOTES ON THIS SHEET.
 2. ALL SIGNS SHALL BE MOUNTED ON A 2"x2" SQUARE BLACK POWDER COATED METAL POLE. SIGNS MAY ALSO BE MOUNTED ON LIGHT POLES.
 3. POSTS IN OPEN SPACE SHALL BE DIRECT BURIED A MINIMUM OF 4 FEET.
 4. POSTS IN PAVING SHALL BE INSTALLED IN SPOKOTUBE.
 5. TRAFFIC SIGNS MOUNTED ON LIGHT POLES SHALL BE MOUNTED WITH A STAINLESS STEEL BAND. NO DRILLING IS ALLOWED.
 6. SIGNS SHALL BE MOUNTED 5 FEET HIGH FROM THE FINISHED GROUND GRADE TO BOTTOM OF THE SIGN, UNLESS OTHERWISE NOTED.
 7. ALL TRAFFIC SIGNS SHALL BE PROVIDED & INSTALLED BY THE CONTRACTOR.
 8. TRAFFIC SIGNS SHALL BE AS FOLLOWS:
 - #1 STOP SIGN, MUTCD CODE R3-2, SIZE 30"x30"
 - #2 DO NOT ENTER SIGN, MUTCD CODE R5-1, SIZE 24"x24"
 - #3 ONE WAY SIGN POINTING LEFT, MUTCD CODE R6-1, SIZE 36"x12"
 - #4 ONE WAY SIGN POINTING RIGHT, MUTCD CODE R6-1, SIZE 36"x12"
 - #5 NO LEFT TURN, MUTCD CODE R3-1, SIZE 24"x24"
 - #6 NO RIGHT TURN, MUTCD CODE R3-2, SIZE 24"x24"
 - #7 MODIFIED MUTCD CODE D1-2 SIGN, WHITE LETTERS ON BLACK BACKGROUND TO READ "PARKING" WITH ARROW POINTING UP AND LEFT AND "DROP OFF" WITH ARROW POINTING UP AND RIGHT, SIZE 66"x24"



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NEW WAUKEE 617 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

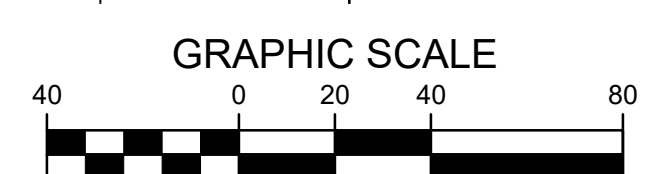
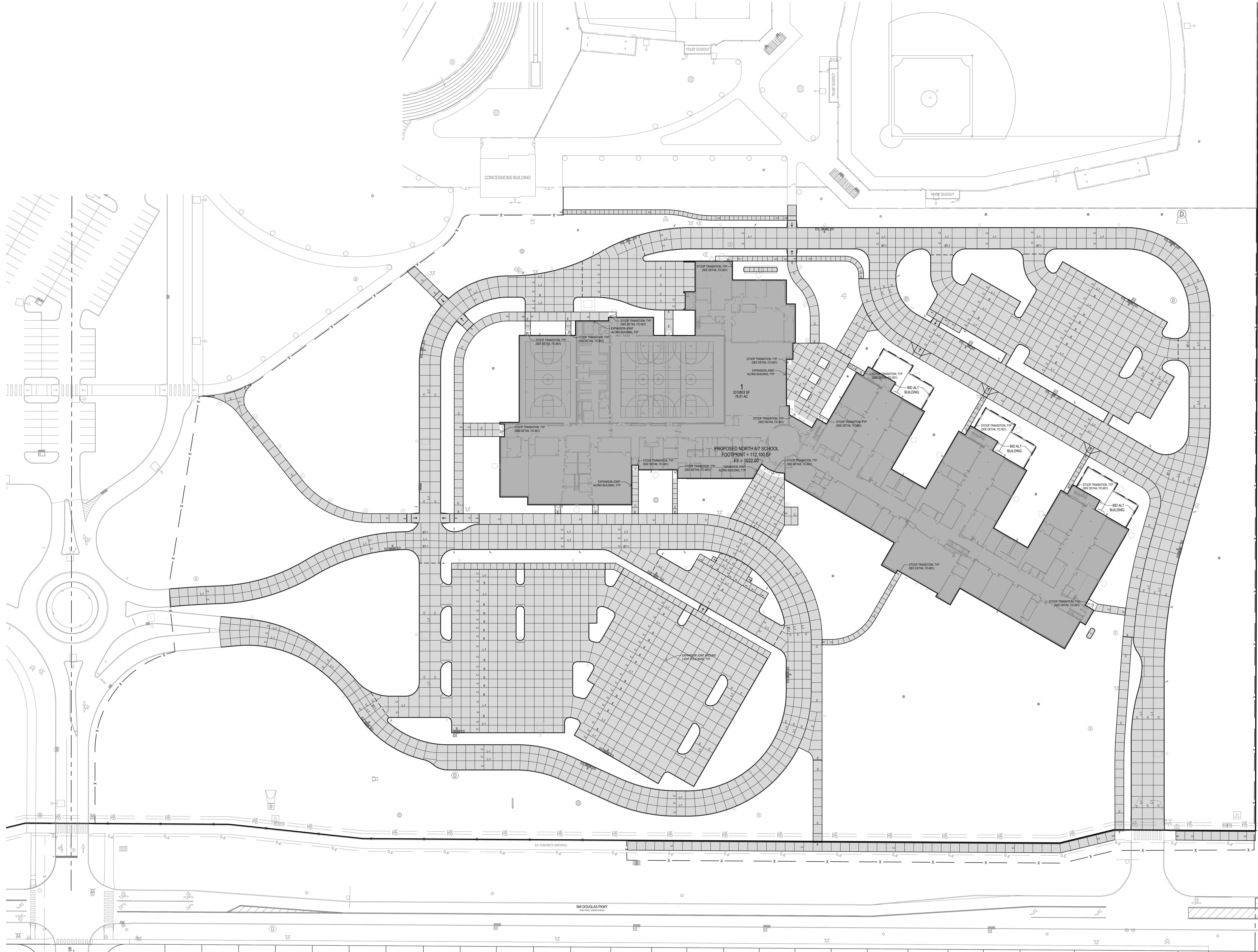
PROJECT NO.:
1018v
 DATE:
 JANUARY 2023

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 10/25/22 - 1ST CITY SET
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 11/22/22 - 3RD CITY SET

DRAWING TITLE:
 LAYOUT PLAN

DRAWING NO.:
C-201

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NEW WAUKEE 6/7 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

PROJECT NO.:
1018v
 DATE:
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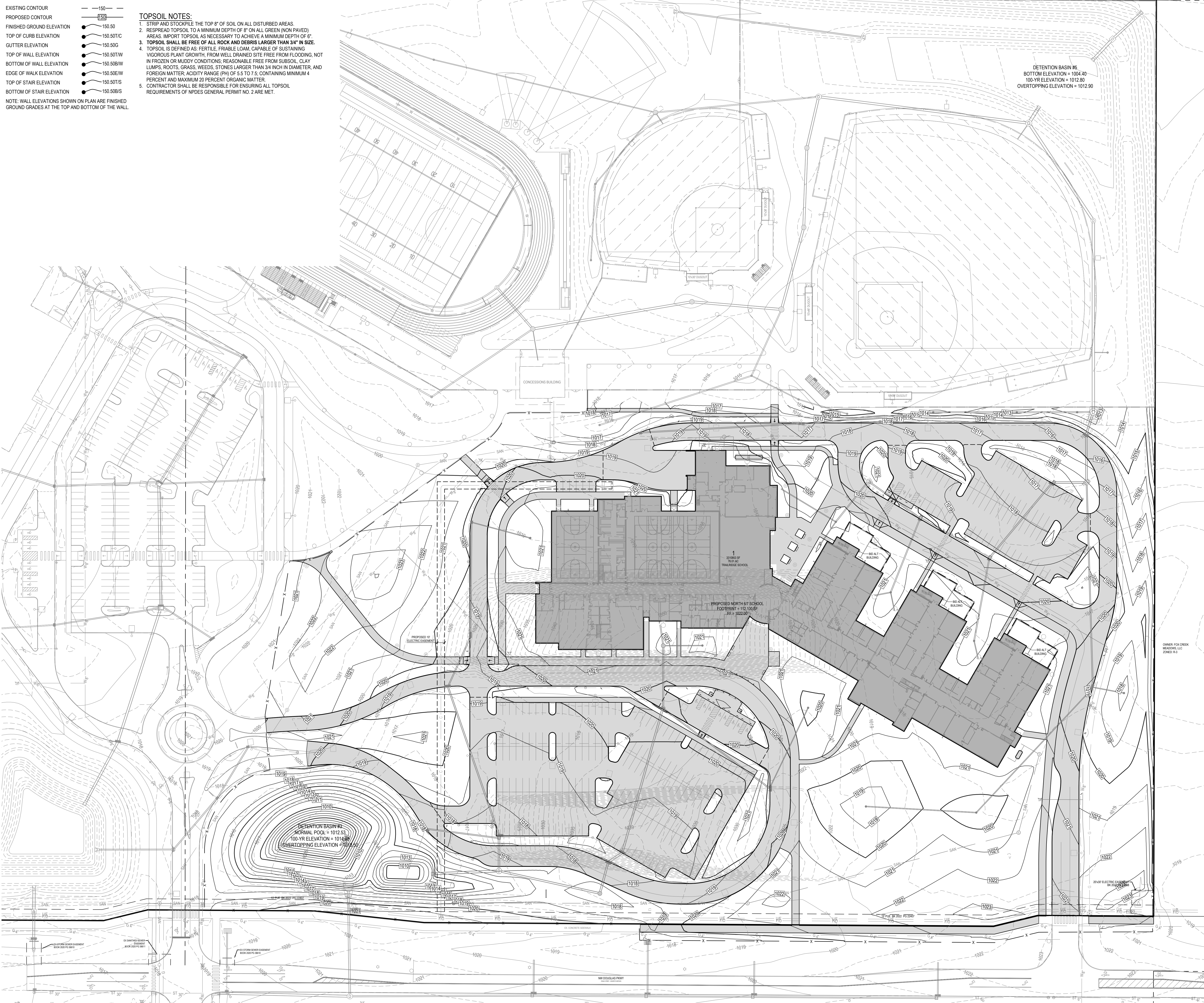
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 11/22/22 - 3RD CITY SET

DRAWING TITLE:
JOINTING PLAN
 DRAWING NO.:
C-203

1/25/2023 3:27:38 PM L:\LAND PROJECTS\2022\2023\1018 WAUKEE NORTH MIDDLE SCHOOL\DWG\C2 LAYOUT.DWG

- GRADING LEGEND:**
- EXISTING CONTOUR ——— 150 ———
 - PROPOSED CONTOUR ——— 150 ———
 - FINISHED GROUND ELEVATION ● 150.50
 - TOP OF CURB ELEVATION ● 150.50TC
 - GUTTER ELEVATION ● 150.50G
 - TOP OF WALL ELEVATION ● 150.50TW
 - BOTTOM OF WALL ELEVATION ● 150.50BW
 - EDGE OF WALK ELEVATION ● 150.50EW
 - TOP OF STAIR ELEVATION ● 150.50TS
 - BOTTOM OF STAIR ELEVATION ● 150.50BS
- NOTE: WALL ELEVATIONS SHOWN ON PLAN ARE FINISHED GROUND GRADES AT THE TOP AND BOTTOM OF THE WALL.

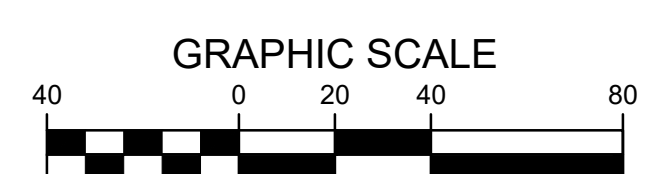
- TOPSOIL NOTES:**
1. STRIP AND STOCKPILE THE TOP 8" OF SOIL ON ALL DISTURBED AREAS.
 2. RESPREAD TOPSOIL TO A MINIMUM DEPTH OF 8" ON ALL GREEN (NON PAVED) AREAS. IMPORT TOPSOIL AS NECESSARY TO ACHIEVE A MINIMUM DEPTH OF 8".
 3. TOPSOIL SHALL BE FREE OF ALL ROCK AND DEBRIS LARGER THAN 3/4" IN SIZE.
 4. TOPSOIL IS DEFINED AS: FERTILE, FRIABLE LOAM, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, FROM WELL DRAINED SITE FREE FROM FLOODING, NOT IN FROZEN OR MUDDY CONDITIONS; REASONABLE FREE FROM SUBSOIL, CLAY LIMPS, ROOTS, GRASS, WEEDS, STONES LARGER THAN 3/4" IN DIAMETER, AND FOREIGN MATTER; ACIDITY RANGE (PH) OF 5.5 TO 7.5; CONTAINING MINIMUM 4 PERCENT AND MAXIMUM 20 PERCENT ORGANIC MATTER.
 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.



DETENTION BASIN #6
 BOTTOM ELEVATION = 1004.40
 100-YR ELEVATION = 1012.80
 OVERTOPPING ELEVATION = 1012.90

DETENTION BASIN #6
 NORMAL POOL = 1012.53
 100-YR ELEVATION = 1014.80
 OVERTOPPING ELEVATION = 1014.90

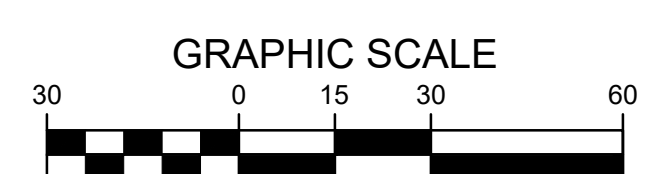
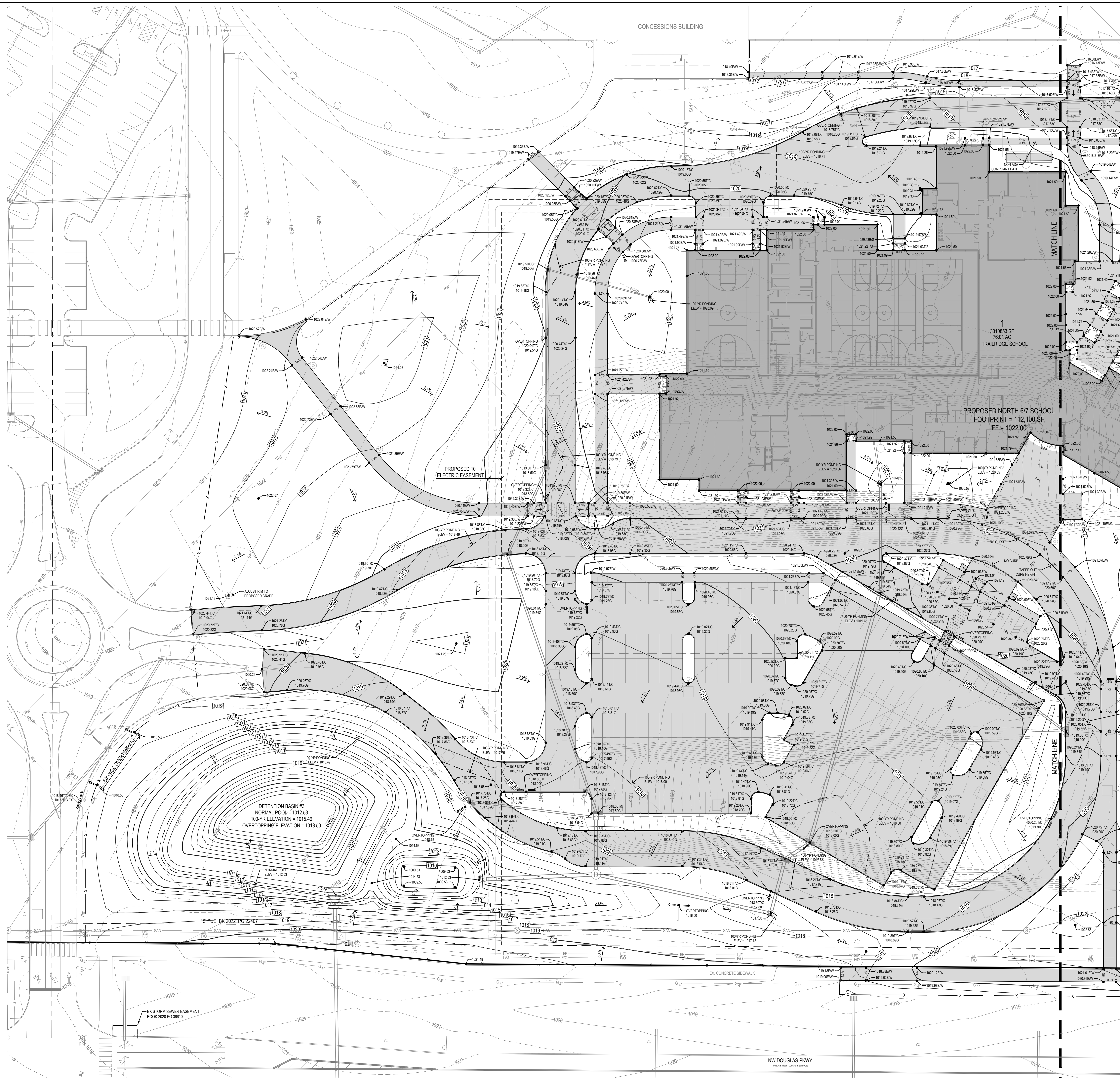
PROPOSED NORTH 617 SCHOOL
 FOOTPRINT = 110,100 SF
 FF = 1022.00'



NEW WAUKEE 617 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

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DRAWING TITLE:	GRADING PLAN
DRAWING NO.:	C-300

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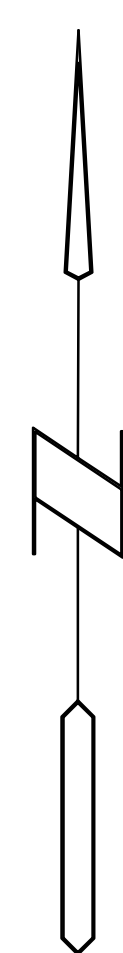
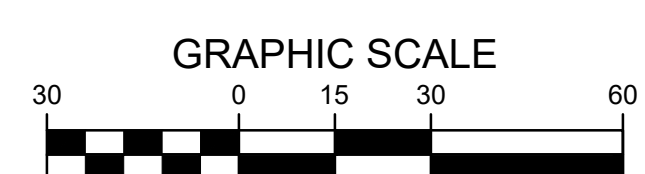
NEW WAUKEE 617 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

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DRAWING TITLE:
GRADING PLAN
 DRAWING NO.:
C-301

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NEW WAUKEE 617 MIDDLE SCHOOL
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 WAUKEE, IOWA

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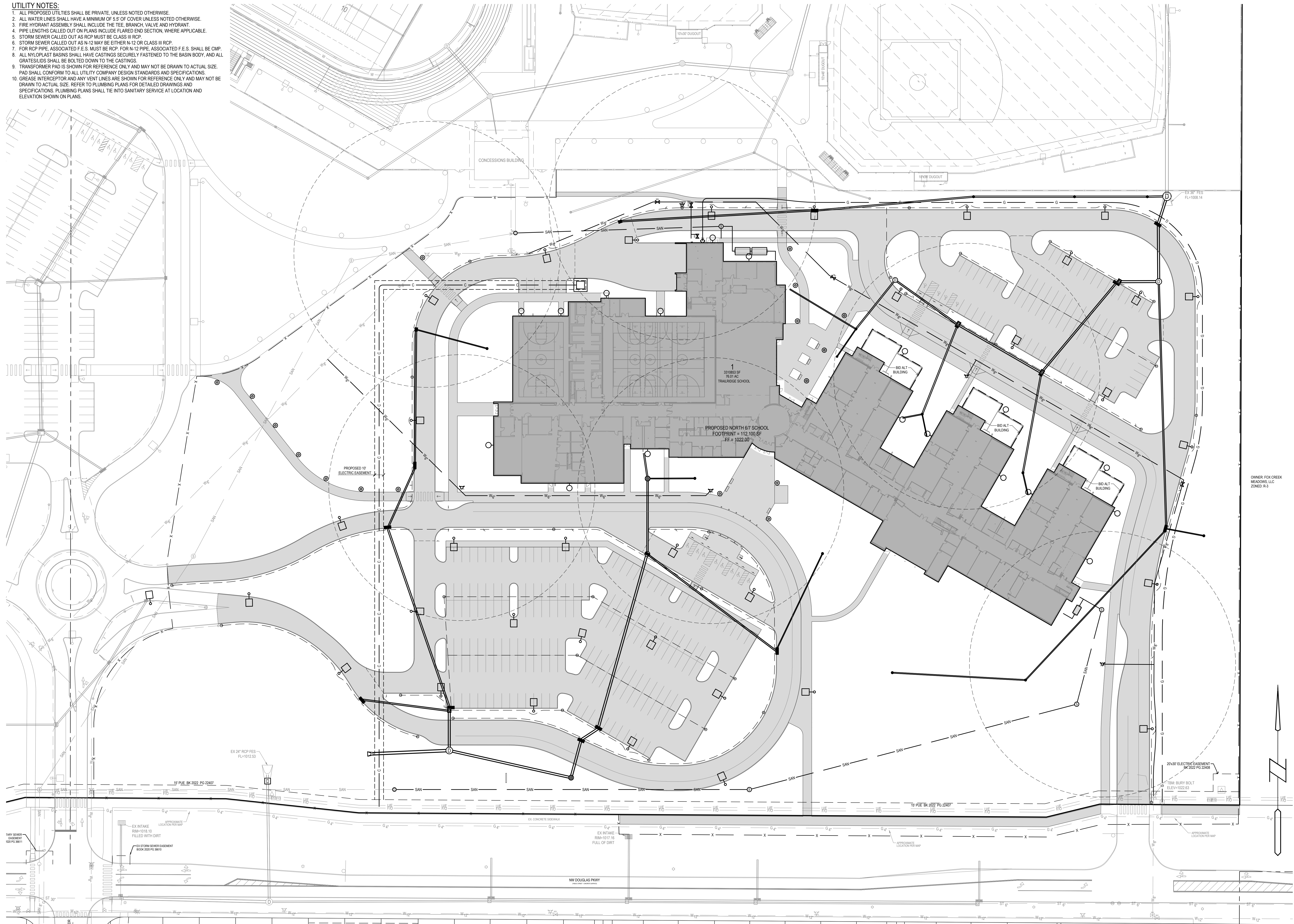
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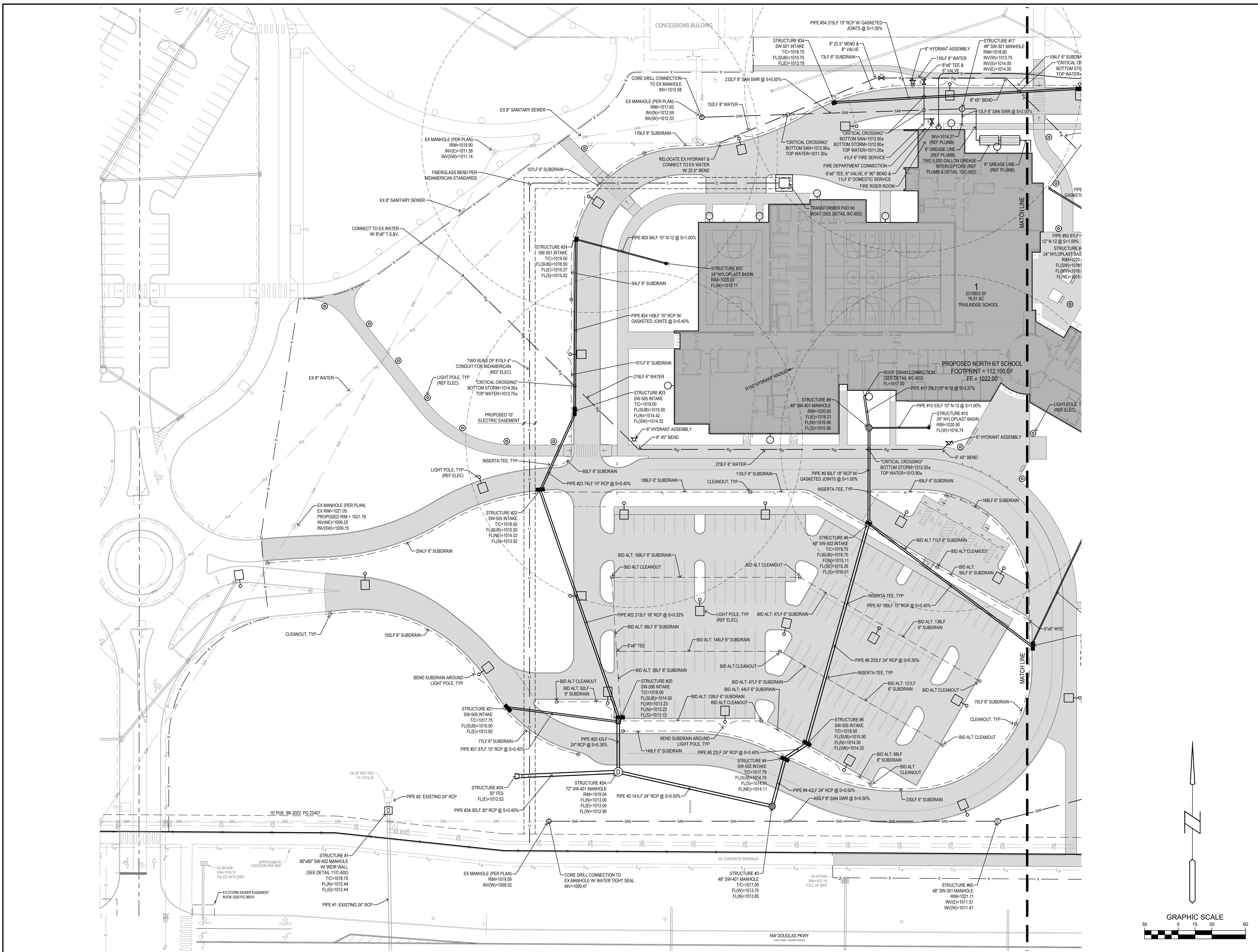
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C-302

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UTILITY NOTES:

1. ALL PROPOSED UTILITIES SHALL BE PRIVATE, UNLESS NOTED OTHERWISE.
2. ALL WATER LINES SHALL HAVE A MINIMUM OF 3'5" OF COVER UNLESS NOTED OTHERWISE.
3. FIRE HYDRANT ASSEMBLY SHALL INCLUDE THE TEE, BRANCH, VALVE AND HYDRANT.
4. PIPE LENGTHS CALLED OUT ON PLANS INCLUDE FLARED END SECTION, WHERE APPLICABLE.
5. STORM SEWER CALLED OUT AS RCP MUST BE CLASS II RCP.
6. STORM SEWER CALLED OUT AS N-12 MAY BE EITHER N-12 OR CLASS III RCP.
7. FOR RCP PIPE, ASSOCIATED F.E.S. MUST BE RCP. FOR N-12 PIPE, ASSOCIATED F.E.S. SHALL BE CMP.
8. ALL NYLOPLAST BASINS SHALL HAVE CASTINGS SECURELY FASTENED TO THE BASIN BODY, AND ALL GRATES/GIDS SHALL BE BOLTED DOWN TO THE CASTINGS.
9. TRANSFORMER PAD IS SHOWN FOR REFERENCE ONLY AND MAY NOT BE DRAWN TO ACTUAL SIZE. PAD SHALL CONFORM TO ALL UTILITY COMPANY DESIGN STANDARDS AND SPECIFICATIONS.
10. GREASE INTERCEPTOR AND ANY VENT LINES ARE SHOWN FOR REFERENCE ONLY AND MAY NOT BE DRAWN TO ACTUAL SIZE. REFER TO PLUMBING PLANS FOR DETAILED DRAWINGS AND SPECIFICATIONS. PLUMBING PLANS SHALL TIE INTO SANITARY SERVICE AT LOCATION AND ELEVATION SHOWN ON PLANS.





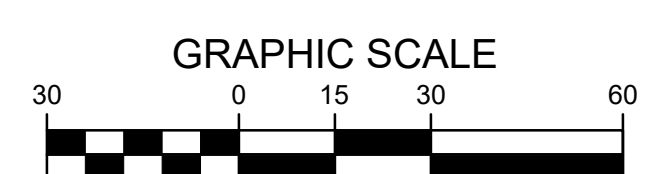
NEW WAUKEE 6/7 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

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 11/22/22 - 3RD CITY SET

DRAWING TITLE:
UTILITY PLAN

DRAWING NO.:
C-401



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NEW WAUKEE 617 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

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DRAWING TITLE:
UTILITY PLAN

DRAWING NO.:
C-402

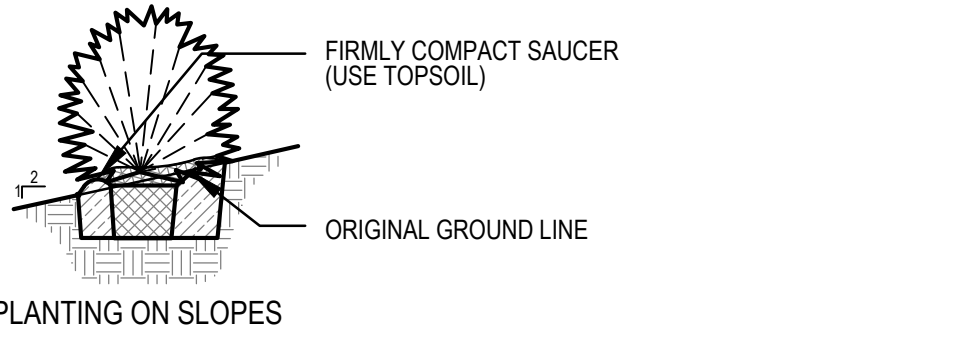
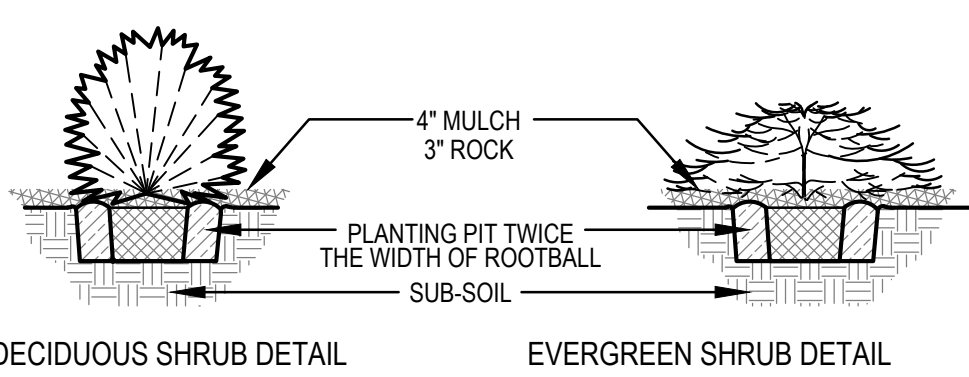
LANDSCAPE NOTES:

1. ALL SOODING, SEEDING & LANDSCAPE PLANTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, UNLESS SPECIFIED OTHERWISE.
2. SOD AND/OR SEED ALL **DISTURBED AREAS** WITHIN THE CONTRACT LIMITS, UNLESS NOTED OTHERWISE. SEED LIMITS SHOWN ON PLAN ARE FOR REFERENCE ONLY. FINAL LIMITS MAY CHANGE BASED ON CONSTRUCTION ACTIVITIES AND SITE DISTURBANCE.
3. STAKE SOD ON ALL SLOPES 4:1 OR GREATER.
4. PLANT QUANTITIES ARE FOR CONTRACTORS CONVENIENCE, THE DRAWING SHALL PREVAIL IF A CONFLICT OCCURS.
5. ALL PLANT MATERIAL SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1).
6. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE.
7. IT IS THE CONTRACTORS RESPONSIBILITY TO REMOVE IDENTIFICATION TAGS AND CORDS ON ALL PLANT MATERIAL PRIOR TO THE COMPLETION OF THE CONTRACT. IDENTIFICATION TAGS MUST BE LEFT ON UNTIL AFTER ACCEPTANCE BY OWNER OR OWNER'S REPRESENTATIVE.
8. CONTRACTOR SHALL PLACE SHREDDED HARDWOOD MULCH AROUND ALL TREES, SHRUBS AND GROUND COVER BEDS TO A DEPTH OF 4 INCHES, UNLESS NOTED.
9. STAKE AND WRAP ALL DECIDUOUS TREES IMMEDIATELY AFTER PLANTING. STAKE ALL TREES ACCORDING TO THE STAKING DETAILS. CONTRACTOR SHALL ADJUST AND MAINTAIN GUYING TENSION THROUGHOUT THE PLANT ESTABLISHMENT PERIOD.
10. THE LANDSCAPING CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BEFORE STARTING ANY SITE WORK OR PLANTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.
11. NO LANDSCAPE MATERIAL SHALL BE SUBSTITUTED WITHOUT THE AUTHORIZATION OF THE LANDSCAPE ARCHITECT. ANY SUBSTITUTIONS SHALL BE APPROVED IN WRITING BY THE CITY OF WAUKEE DEVELOPMENT SERVICES DEPARTMENT.
12. ALL GENERAL SITE EDGING SHALL BE NATURAL LIMESTONE EDGING - 6" WIDE X 4" THICK X 36" LENGTHS AS PROVIDED BY WEBER STONE COMPANY, OR APPROVED EQUAL. SAW CUT ALL ENDS FOR TIGHT FIT TO ADJACENT EDGING STONE AND CONCRETE.
13. EDGING AROUND MONUMENT SIGN SHALL INCORPORATE 6" WIDE, NATURAL LIMESTONE EDGING. LAYOUT DIMENSIONS AS SHOWN ON DETAIL (SHEET C-501). SAW CUT ENDS AND SET STONE FLUSH AND TIGHT TO ADJACENT STONE.
14. CONTRACTOR SHALL BE RESPONSIBLE MAINTAINING APPROPRIATE LEVEL OF WATERING FOR ALL NEW PLANTS UNTIL ACCEPTED BY OWNER.
15. ALL SHRUB AND PERENNIAL PLANTING BEDS SHALL BE MULCHED WITH 4" THICK SHREDDED HARDWOOD MULCH UNLESS NOTED.
16. BED AROUND TRANSFORMER SHALL INCORPORATE TYPAR 3301 NONWOVEN LANDSCAPE FABRIC (OR SIMILAR) AND 4" THICK LAYER OF WASHED RIVER ROCK (1.5" NOMINAL SIZE).
17. BED AROUND MONUMENT SIGN SHALL INCORPORATE TYPAR 3301 NONWOVEN LANDSCAPE FABRIC (OR SIMILAR) AND 4" THICK LAYER OF GREY DECORATIVE TRAP ROCK (1.5" NOMINAL SIZE).
18. MONUMENT EDGER TO BE 6" LIMESTONE EDGER. SEE DETAIL FOR SPECS.
19. ALL BEDS TO RECEIVE GRANULAR PRE-EMERGENT WEED CONTROL BEFORE AND AFTER MULCH IS INSTALLED.
20. LANDSCAPING INCLUDING SOD AND SEED MUST BE WATERED UNTIL ACCEPTED BY OWNER.

GENERAL LANDSCAPE REQUIREMENTS

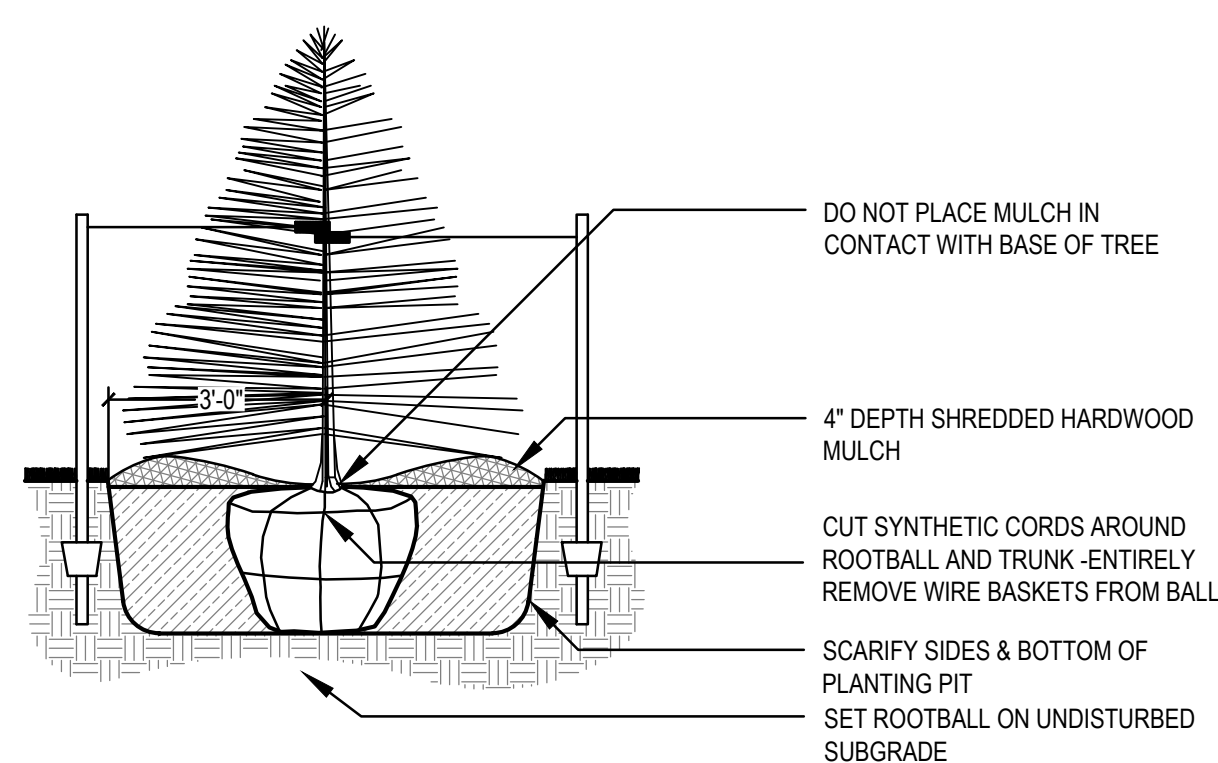
TOTAL AREA FOR THIS PROJECT (DEDUCT 6-9 SCHOOL PROJECT)	821,500 SF
REQUIRED OPEN SPACE(20%)	164,300 SF
PROVIDED OPEN SPACE	OVER 50% OF SITE

GENERAL OPEN SPACE REQUIREMENT	
TOTAL REQUIRED TREES (1 PER 1000 SF REQUIRED OPEN SPACE)	165
- MINIMUM REQUIRED OVERSTORY SHADE TREES (50%)	83
TOTAL OVERSTORY PROVIDED	115
- MINIMUM REQUIRED EVERGREEN TREES (25%)	66
TOTAL EVERGREEN PROVIDED	66
TOTAL TREES PROVIDED FOR OPEN SPACE	181
TOTAL REQUIRED SHRUBS(1 PER 1000 SF REQUIRED OPEN SPACE)	165
TOTAL SHRUBS/GRAASSES PROVIDED	721



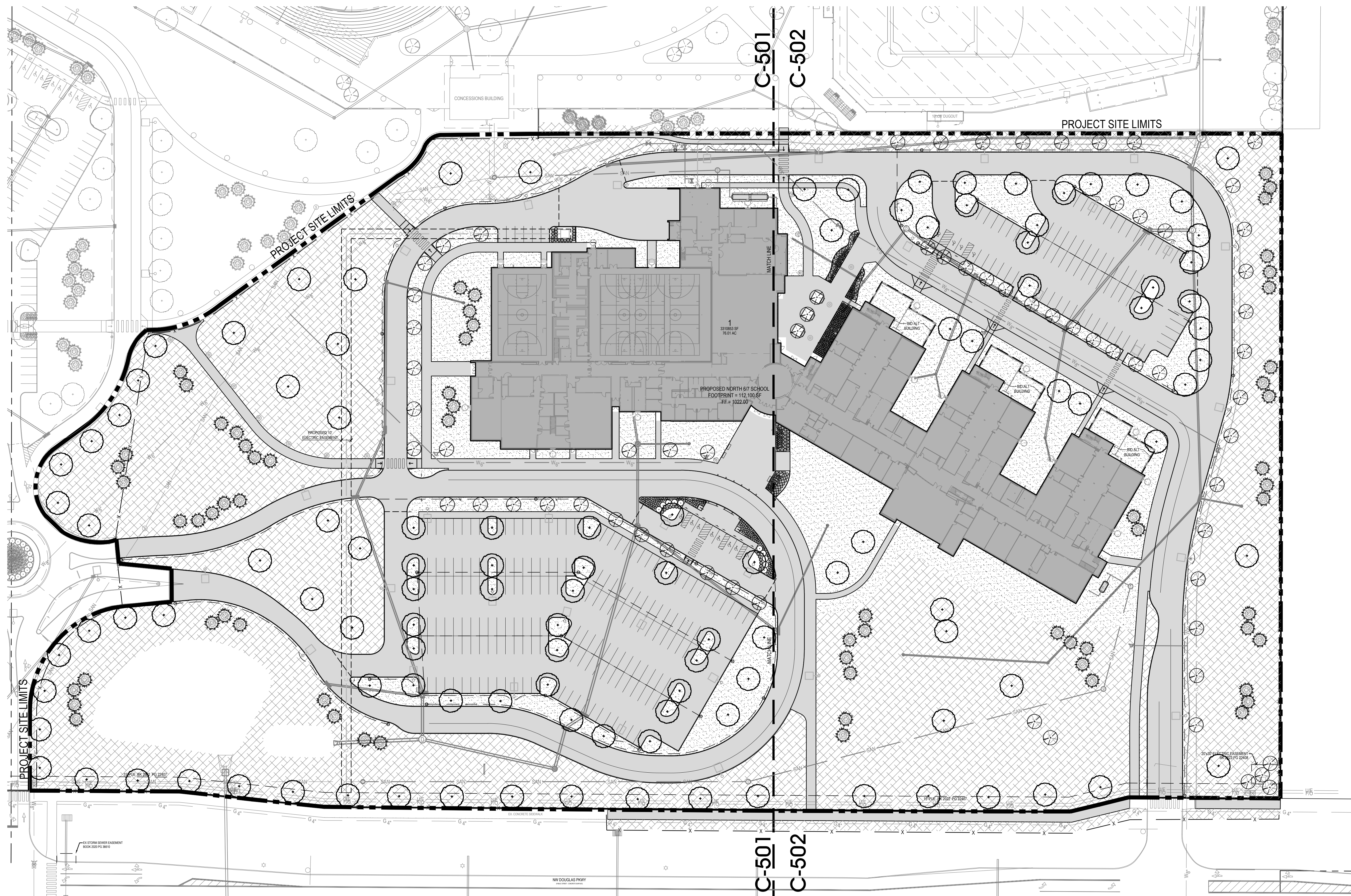
SHRUB PLANTING (B&B)

SCALE: NOT TO SCALE



EVERGREEN TREE PLANTING (B&B)

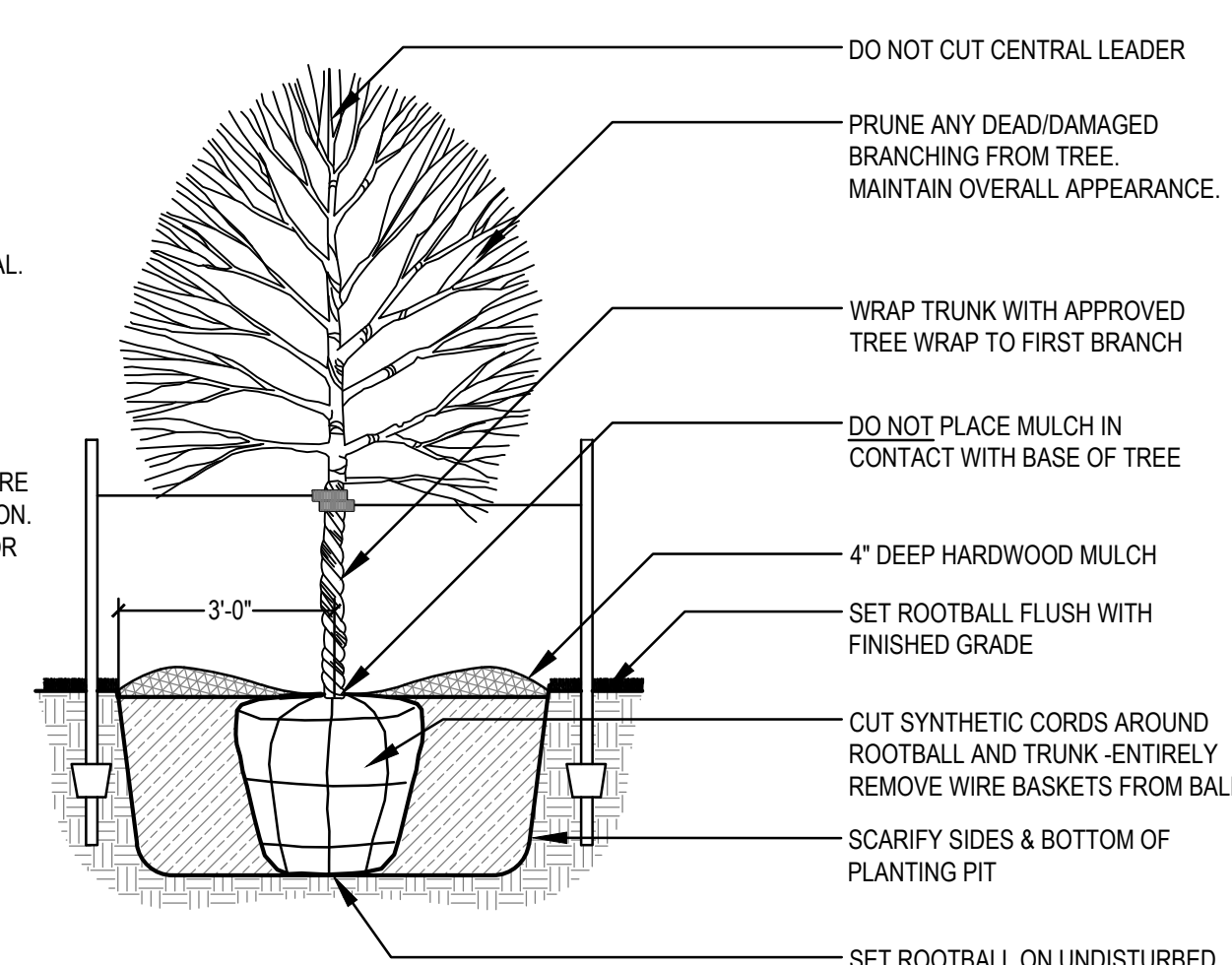
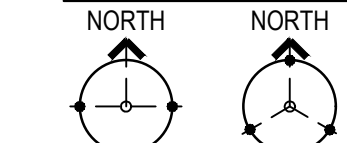
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LEGEND

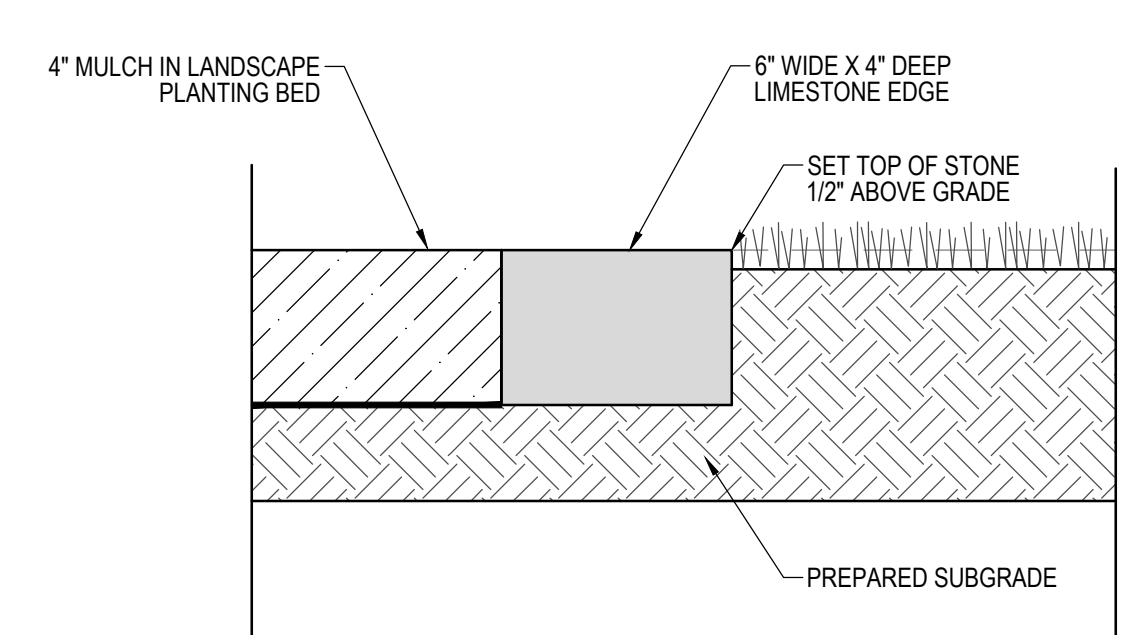
- SOD:** PROVIDE AND INSTALL SOD FROM LOCAL SUPPLIERS. AREAS TO BE SODDED MUST BE FREE OF ALL CONSTRUCTION DEBRIS AND ANY DIRT CLUMPS OVER 1" IN DIAMETER. THOROUGHLY WATER SOD UPON INSTALLATION. CONTRACTOR TO MAINTAIN WATERING UNTIL SOD IS ESTABLISHED (ROOTS KNITTED INTO SUBSURFACE).
- SEED:** MIX TO BE "SUPER TURF" IF BY UNITED SEEDS (OR APPROVED EQUAL). SEED AT A RATE OF 440 LBS PER ACRE. SEEDING DATES: SITE PREPARATION, SEEDING INSTALLATION, WATER REQUIREMENTS, FERTILIZING, AND MOWING PER UNITED SEEDS TECH BULLETIN FOR SEED TYPE. OVERSEEDING (IF REQUIRED) TO BE INSTALLED AT 220 LBS PER ACRE.
- HYDRO MULCH:** HYDRO MULCH ALL SEEDED AREAS. WOOD CELLULOSE HYDRAULIC MULCH WITH TACKIFIER SHALL BE APPLIED AT A RATE OF 2,500 LBS PER ACRE.

STAKING ORIENTATION



DECIDUOUS TREE PLANTING (TYP.)

SCALE: NOT TO SCALE



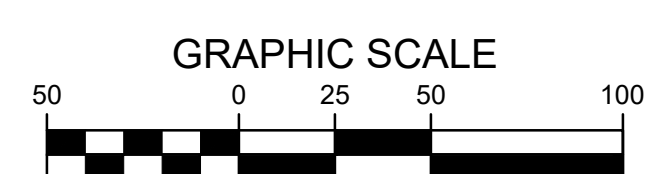
LIMESTONE EDGING AT PLANTING BEDS

SCALE: NOT TO SCALE

PLANTING SCHEDULE

CODE	QUAN	COMMON NAME	LATIN NAME	OVERSTORY TREES	SIZE	APPRX HGT	ROOT	NOTES
GB	2	GINKGO	GINKGO BILOBA		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
CO	2	CHINKAPIN OAK	QUERCUS MUEHLERBERGII		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
AH	6	AMERICAN HORNBAM	CARPINUS CAROLINIANA		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
SK	21	SKYLINE HONEYLOCUST	GLEDITSIA TRICANTHOS NERIAS 'SKYLINE'		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
CH	10	COMMON HACKBERRY	CELTIS OCCIDENTALIS		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
KC	10	KENTUCKY CORNFEE TREE	GYMNADIS DIODIOS		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
SG	5	SWEET GUM	LIQUIDAMBAR STYRACFLUA		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
TT	13	TULIP TREE	LIRIODENDRON TULIPIFERA		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
LP	10	LONDON PLANET TREE	PLATANUS ACERIFOLIA 'BLU OODOOD'		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
WO	13	WHITE OAK	QUERCUS ALBA		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
BO	10	BURR OAK	QUERCUS MACROCARPA		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
RO	11	RED OAK	QUERCUS RUBRA		2.0' CAL	12'-14'	B&B	MAT CHED SPECIMENS
ORNAMENTAL TREES								
SB	7	AUTUMN BRILLIANCE SERVICEBERRY	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE'		8" HT	8'-10'	B&B	MAT CHED SPECIMENS (SINGLE TRUNK)
ER	8	EASTERN REDBUD	CERCIS CANADENSIS		1.5" CAL	8'-10'	B&B	MAT CHED SPECIMENS
PF	16	PRAIRIE FIRE CRABAPPLE	MALVUS 'PRAIRIE FIRE'		1.5" CAL	8'-10'	B&B	MAT CHED SPECIMENS
ST	4	SHOW TIME CRABAPPLE	MALVUS 'SHOW TIME'		1.5" CAL	8'-10'	B&B	MAT CHED SPECIMENS
SS	9	SNOWDRIFT CRABAPPLE	MALVUS 'SNOWDRIFT'		1.5" CAL	8'-10'	B&B	MAT CHED SPECIMENS
NP	7	NEWPORT PLUM	PRUNUS CERASIFERA		1.5" CAL	8'-10'	B&B	MAT CHED SPECIMENS
CR	15	CANADA RED SHUBERT CHOKECHERRY	PRUNUS VIRGINIANA 'CANADA RED SHUBERT'		1.5" CAL	8'-10'	B&B	MAT CHED SPECIMENS
PD	2	PAGODA DOGWOOD	CORNUS ALTERNIFOLIA		1.5" CAL	8'-10'	B&B	MAT CHED SPECIMENS
EVERGREEN TREES								
WP	28	WHITE PINE	PINUS STROBUS		6'		B&B	FULL FORM TO GROUND
NS	22	NORWAY SPRUCE	PICEA ABIES		6'		B&B	FULL FORM TO GROUND
BH	17	BLACK HILLS SPRUCE	PICEA GLAUGA DENSATA		6'		B&B	FULL FORM TO GROUND
DF	2	DOUGLAS FIR	PSEUDOTSUGA MENZIESII		6'		B&B	FULL FORM TO GROUND
SHRUBS								
GL	10	GROW LO SUMAC	RHUS AROMATICA 'GROW LOW'		#5		CONT	FULL FORM - MAT CHED
ORNAMENTAL GRASSES								
KF	80	KARL FOERSTER FEATHER REED GRASS	CALAMAGROSTIS ACUTIFOLIA KARL FOERSTER		#1		CONT	FULLY ROOTED IN CONTAINER
PERENNIALS								
SD	178	PARSON ME DAWLILY	HEMEROCALLIS X PARSON ME		#1		CONT	FULLY ROOTED IN CONTAINER
SA	421	SALVA 'MAY NIGHT'	SALVIA X SYLVESTRIS 'MAY NIGHT'		#1		CONT	FULLY ROOTED IN CONTAINER

MINIMUM PLANTING HEIGHTS: OVERSTORY - 8' MINIMUM HEIGHT, ORNAMENTAL AND EVERGREEN - 6' MINIMUM HEIGHT



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NEW WAUKEE 617 MIDDLE SCHOOL
WAUKEE COMMUNITY SCHOOL DISTRICT
WAUKEE, IOWA

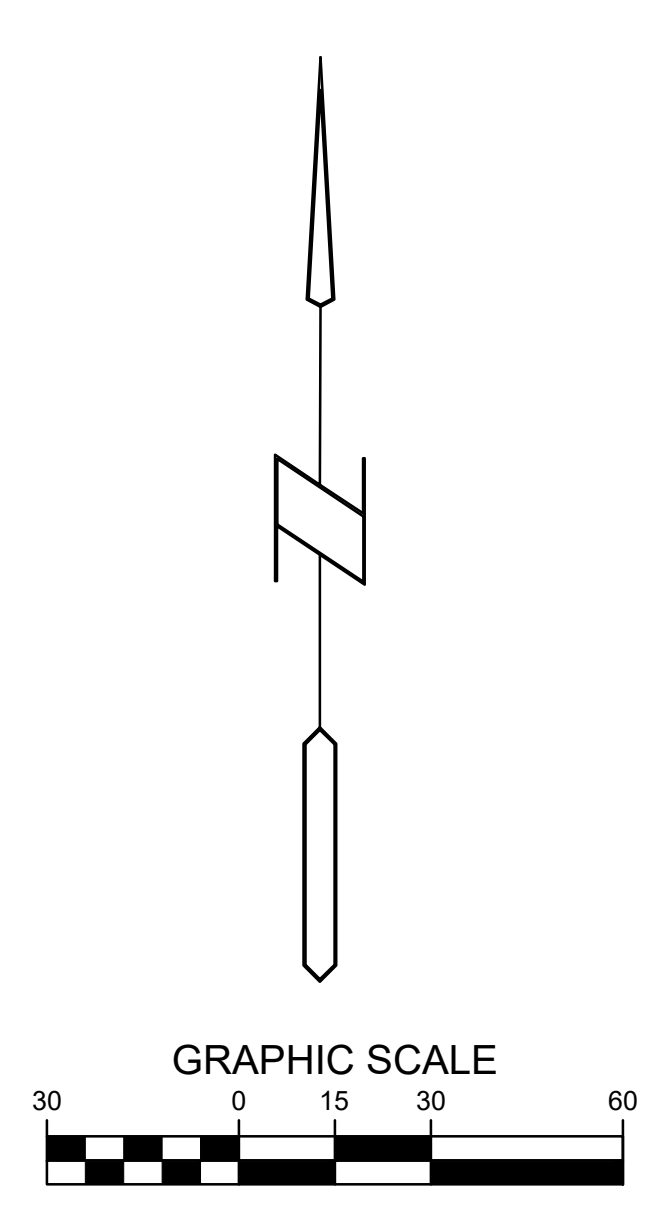
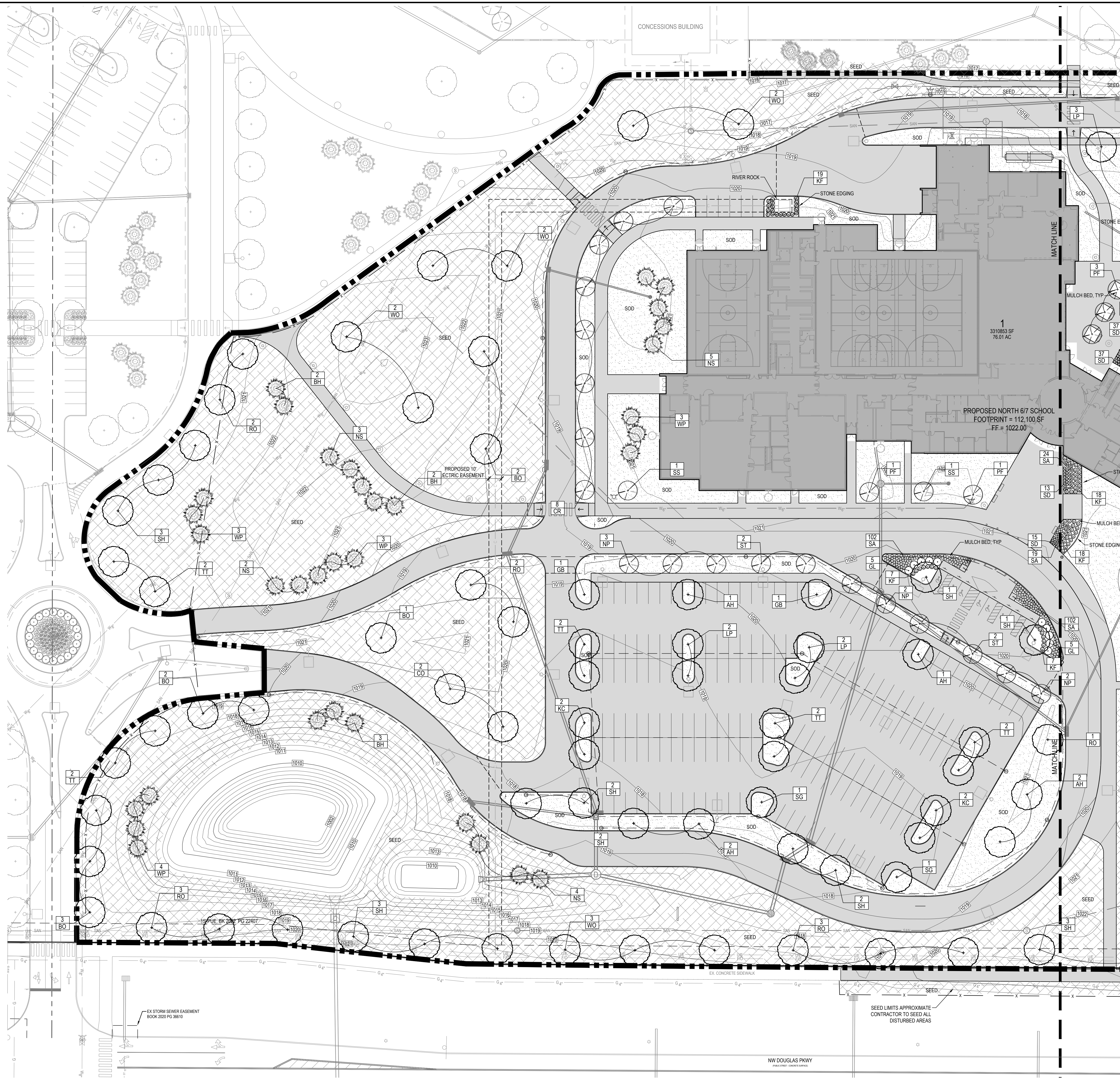
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1018v
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JANUARY 2023

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DRAWING TITLE:
LANDSCAPE PLAN

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C-500

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NEW WAUKEE 6/7 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

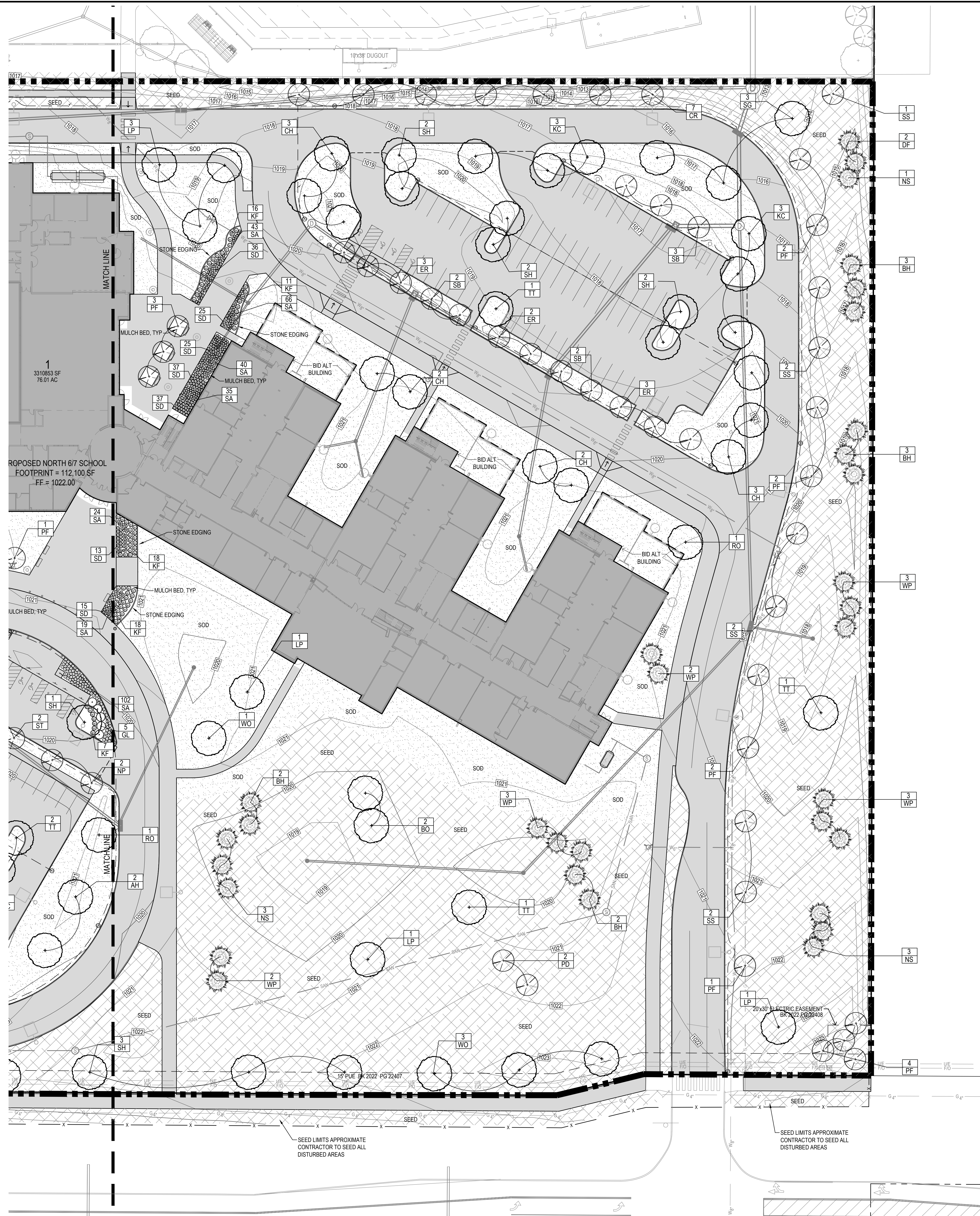
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DRAWING TITLE:
 LANDSCAPE PLAN

DRAWING NO.:
C-501

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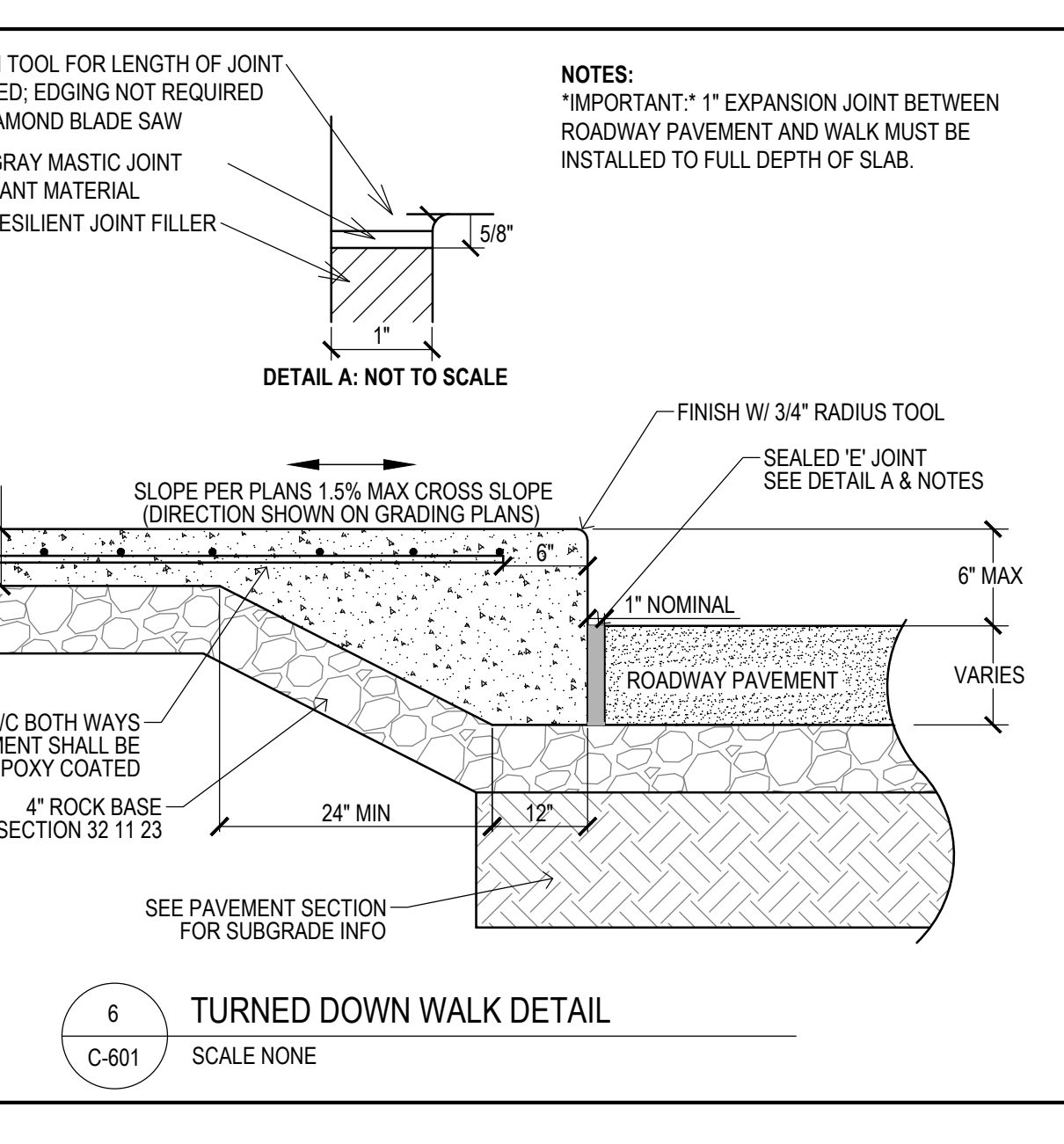
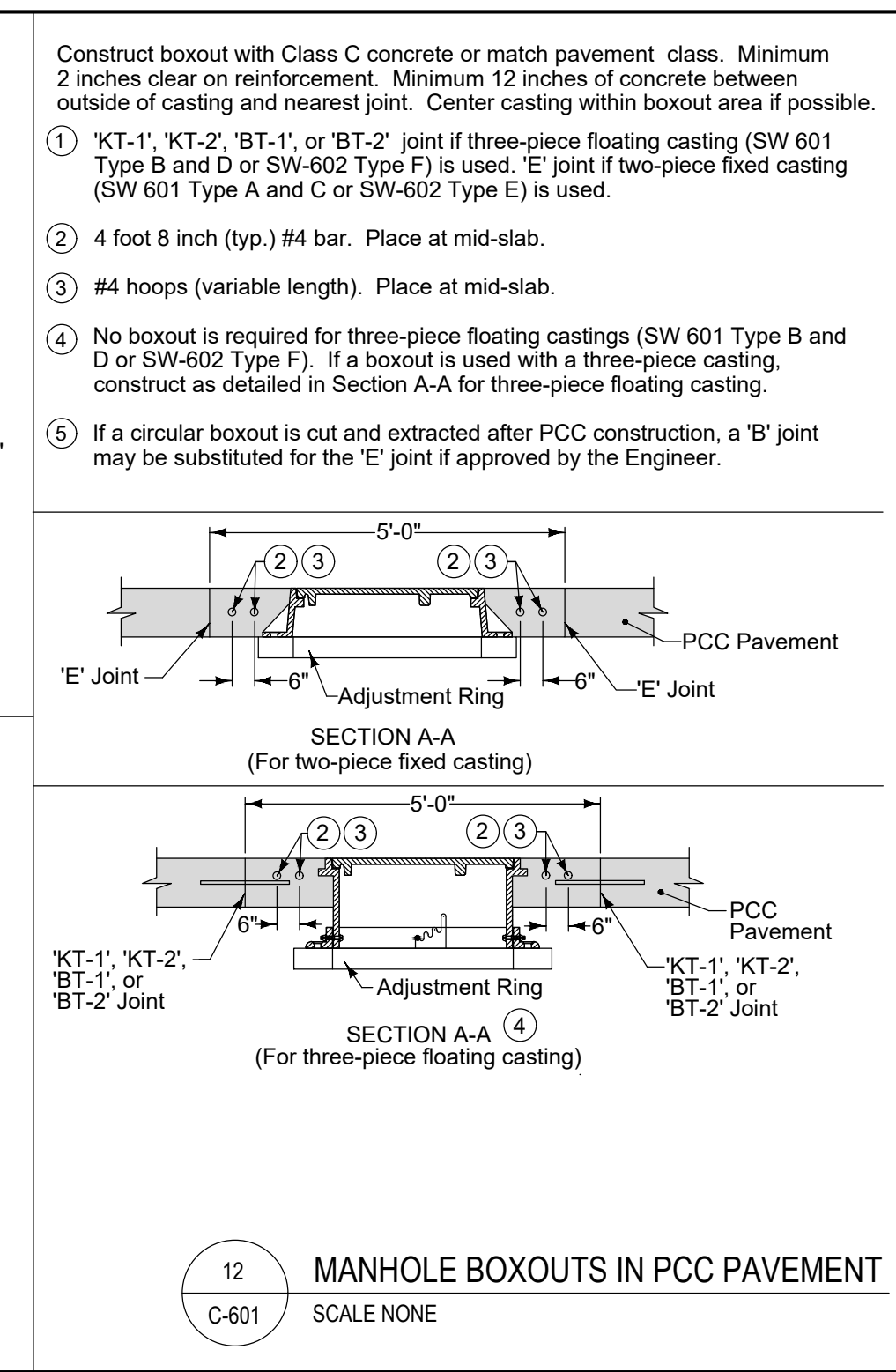
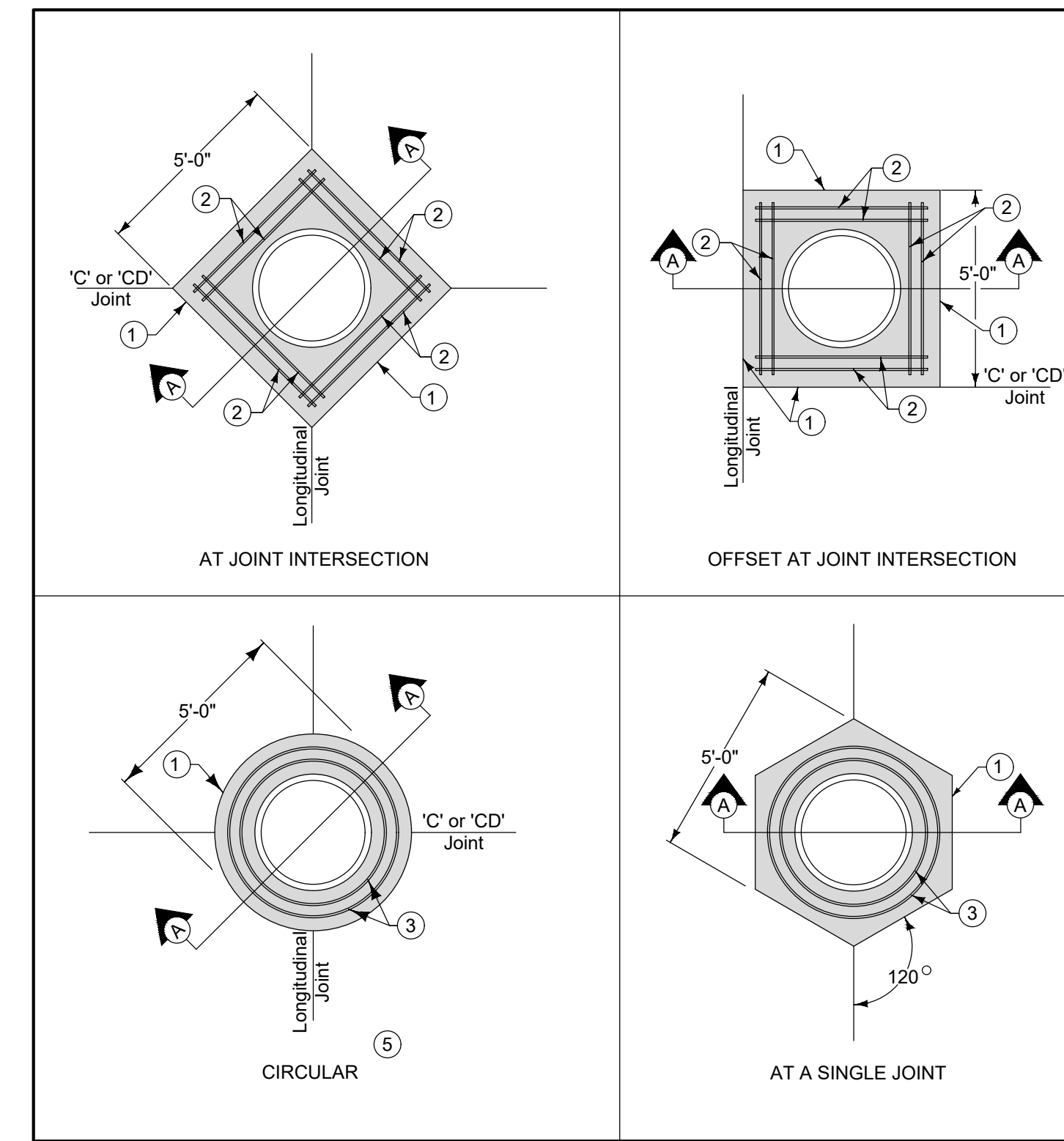
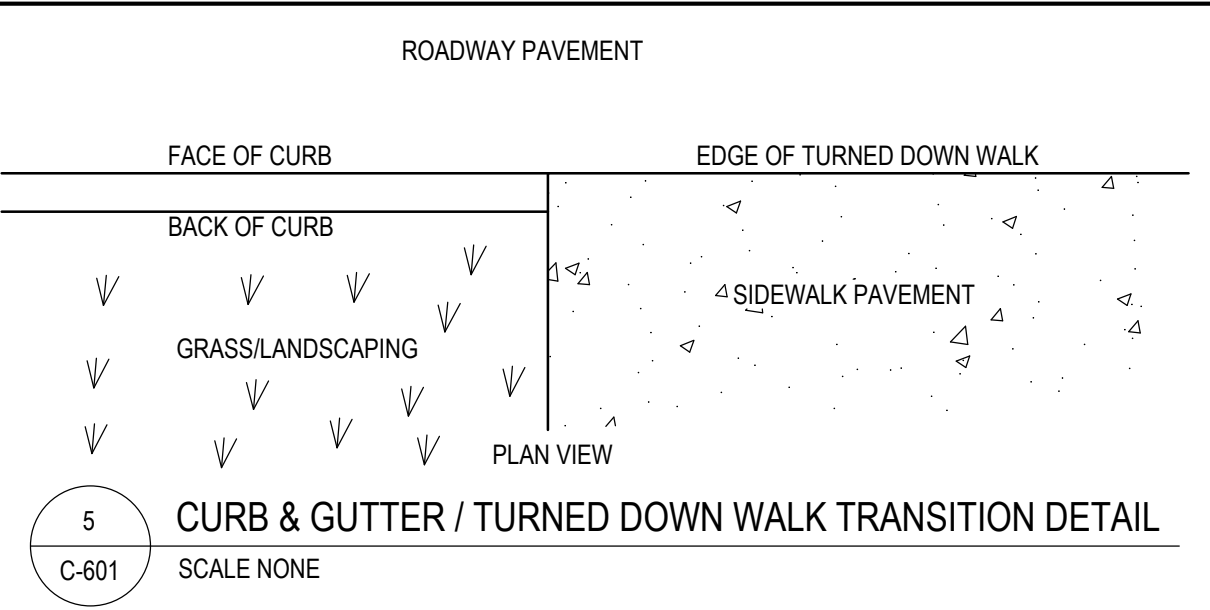
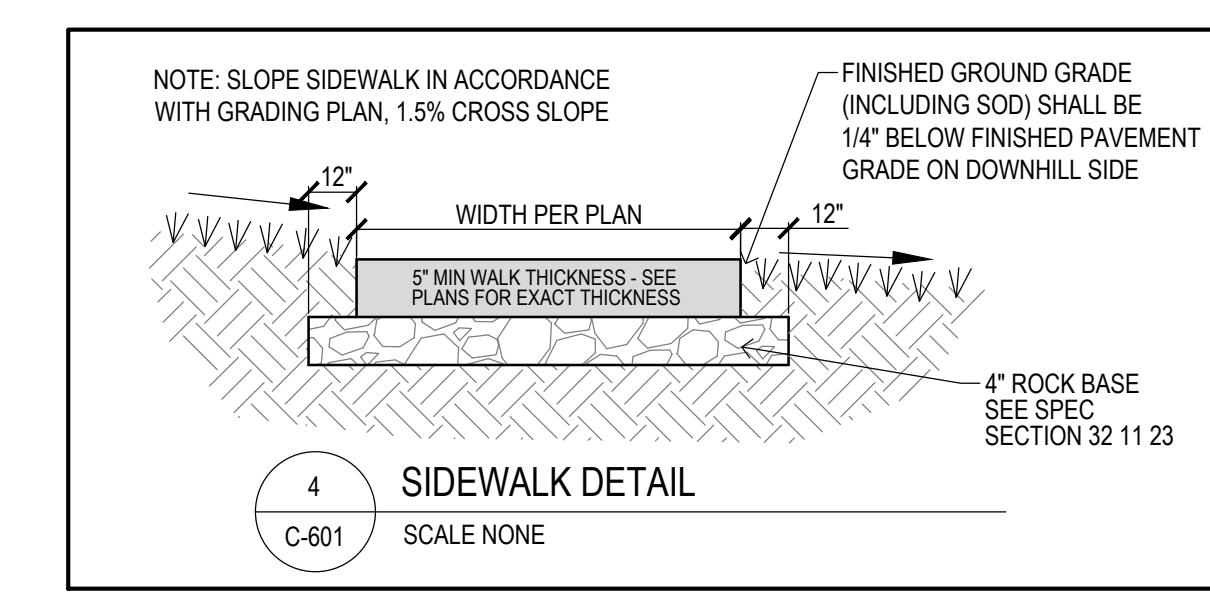
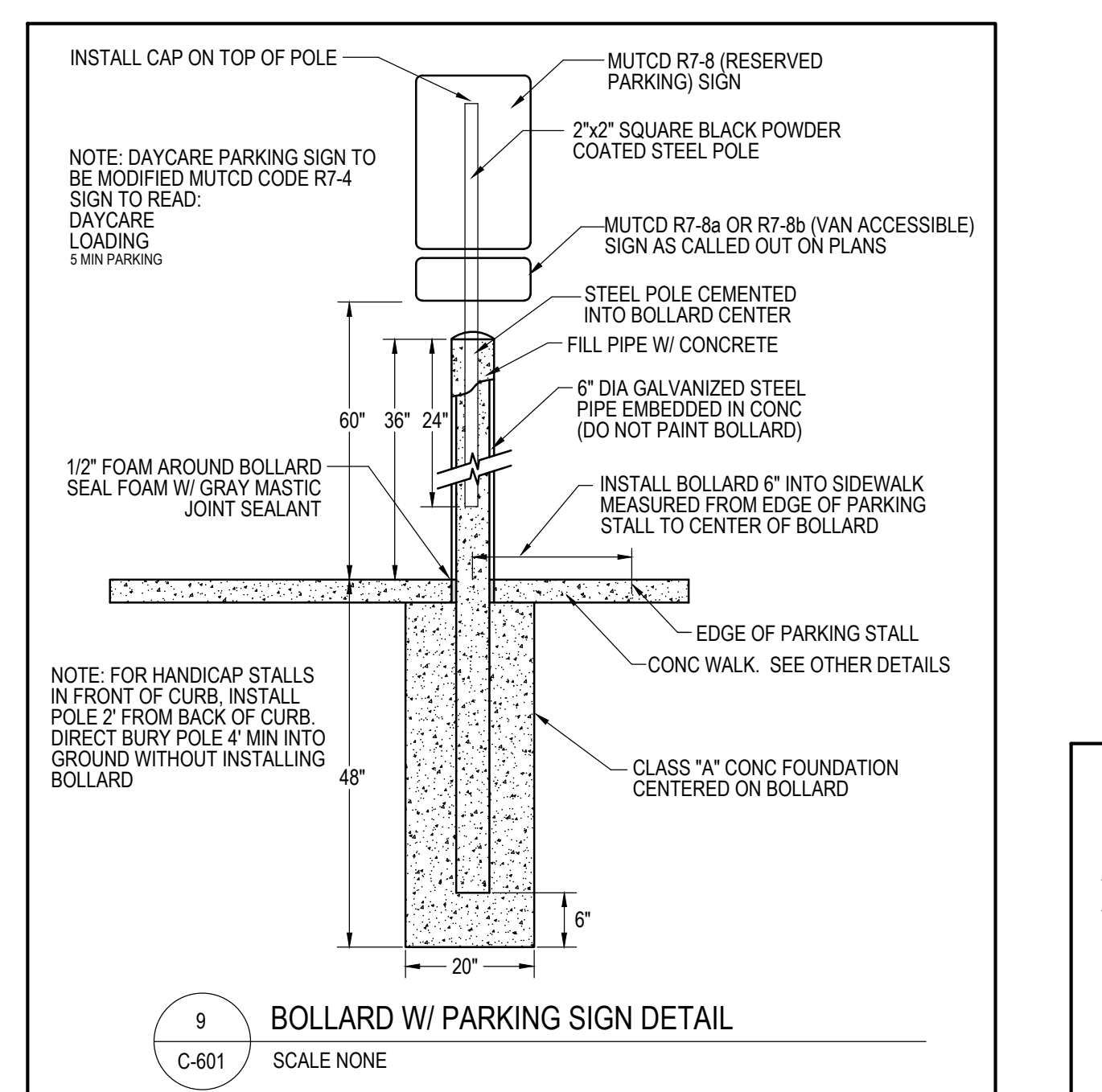
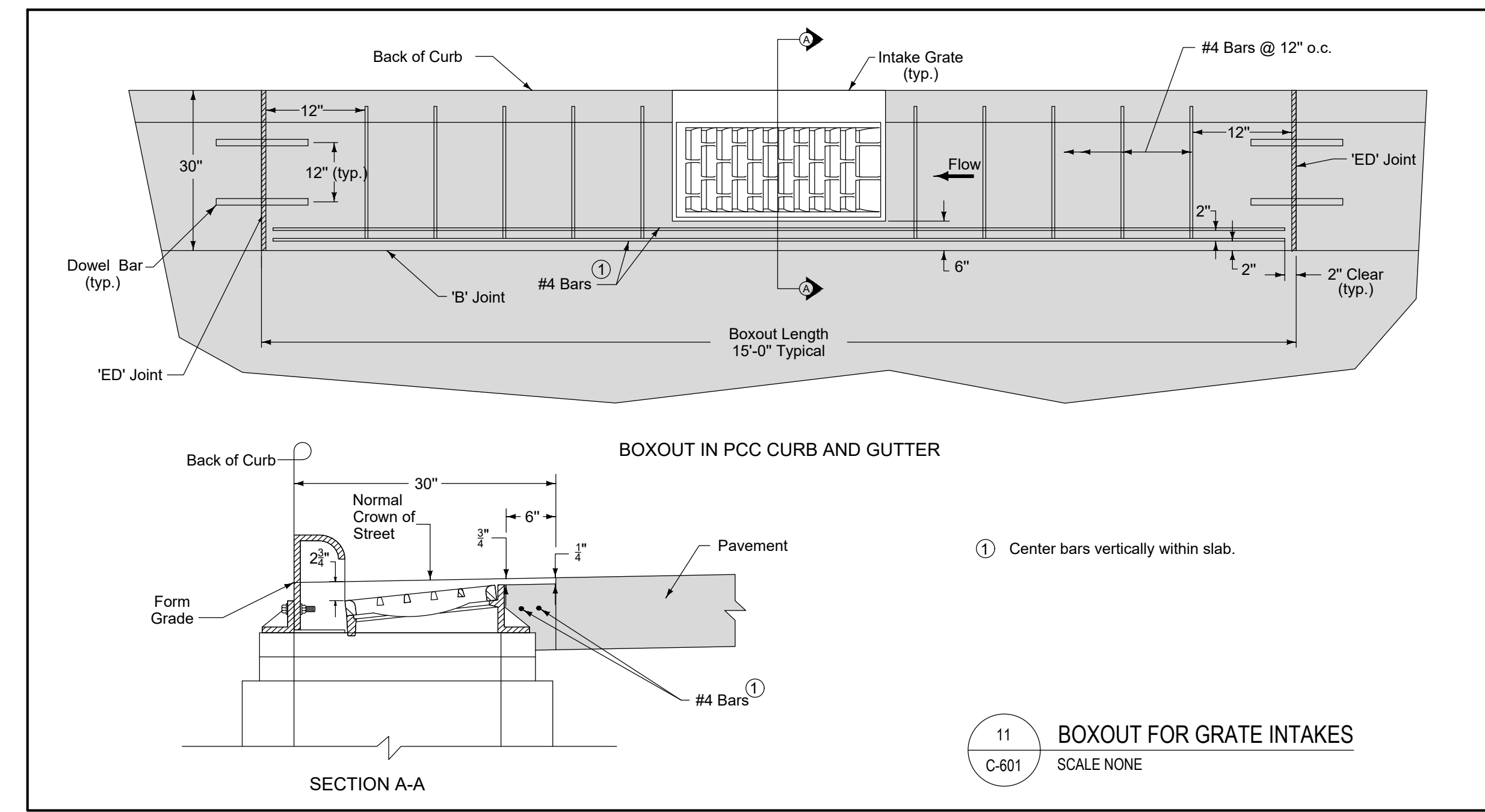
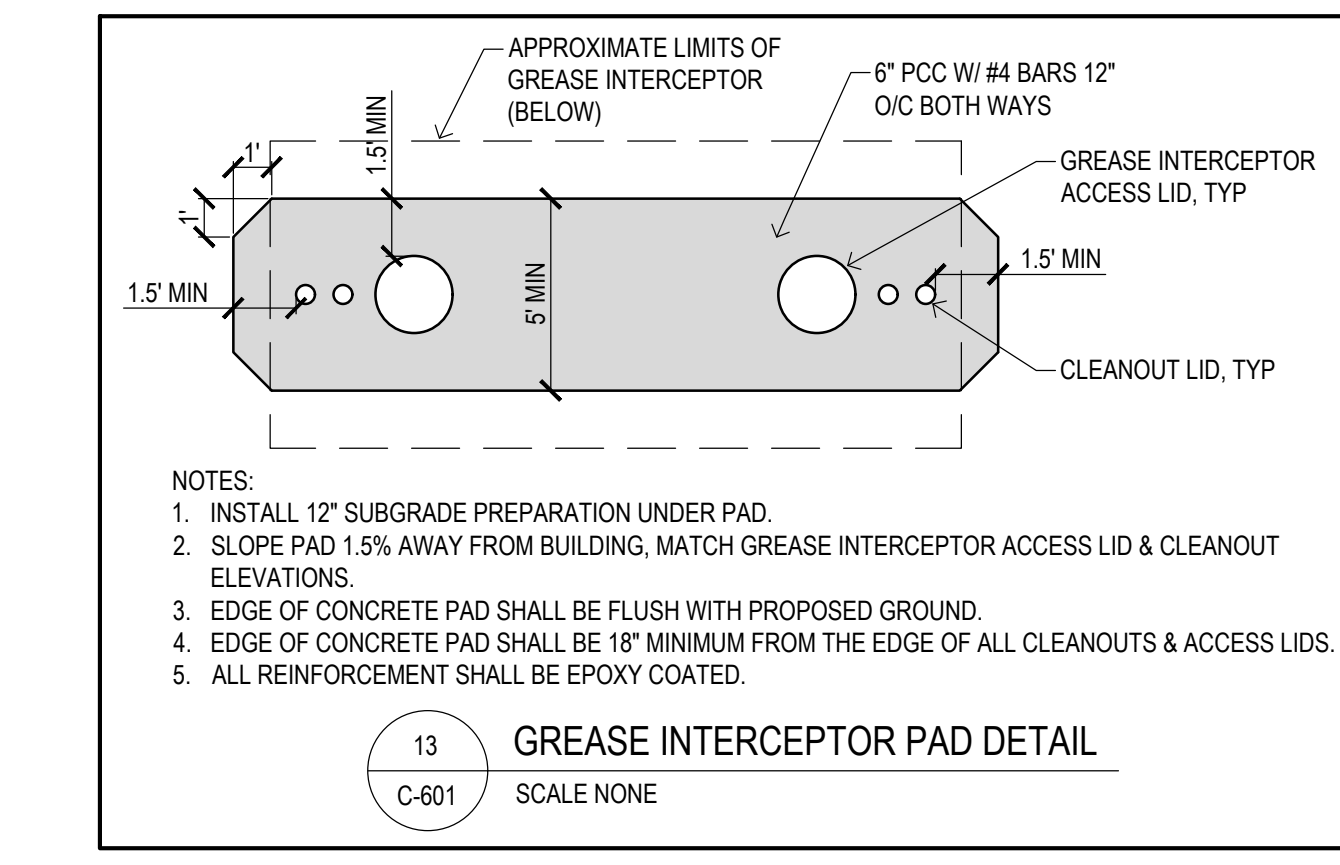
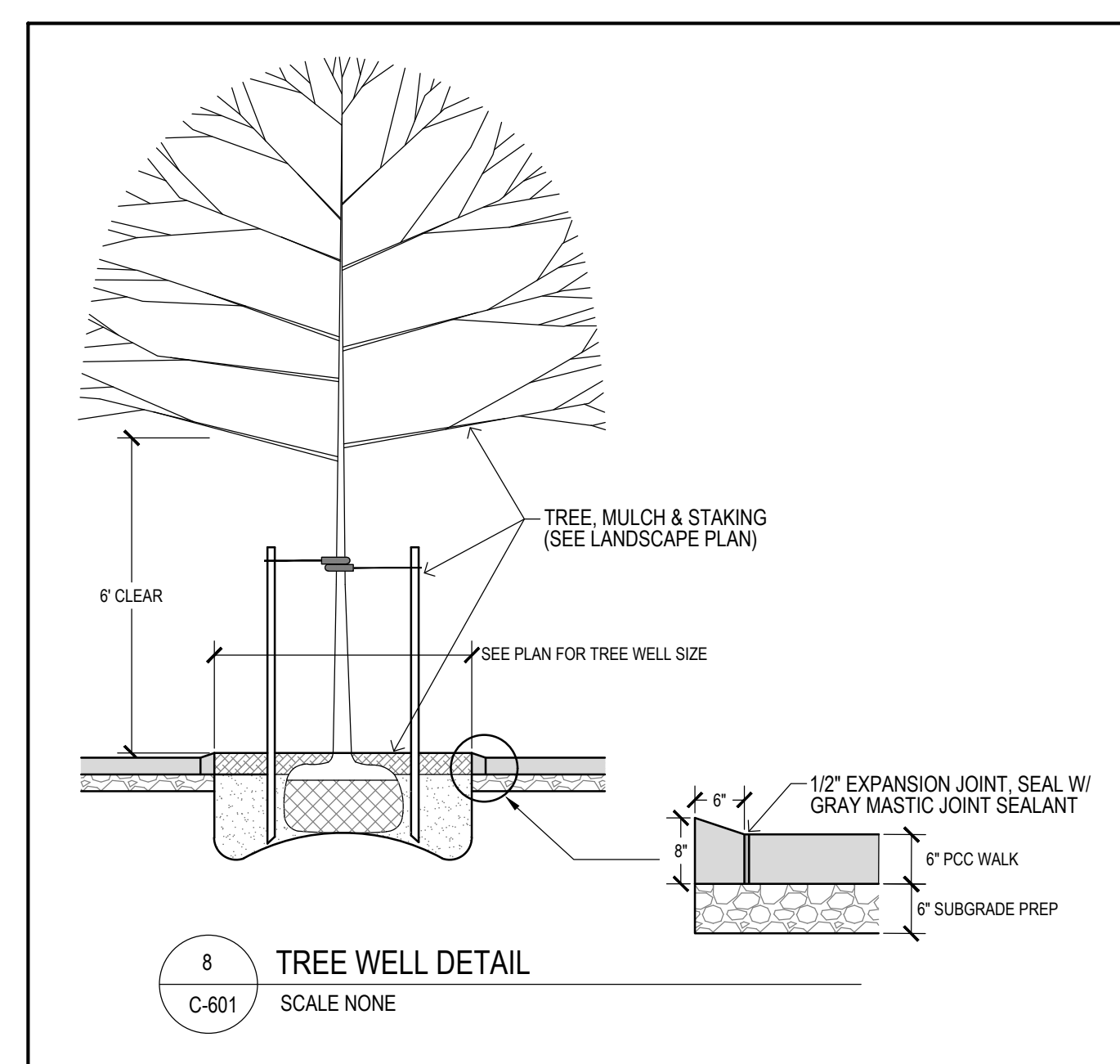
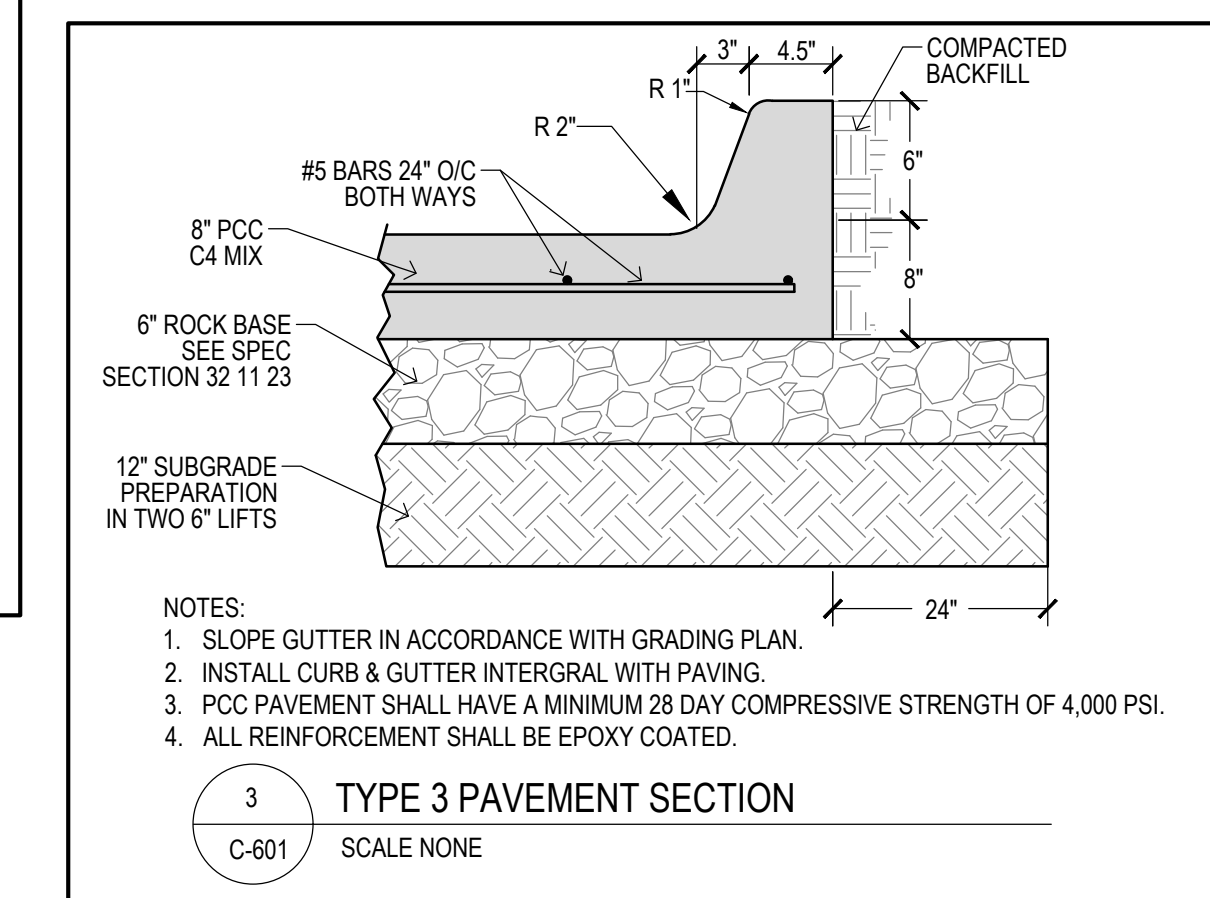
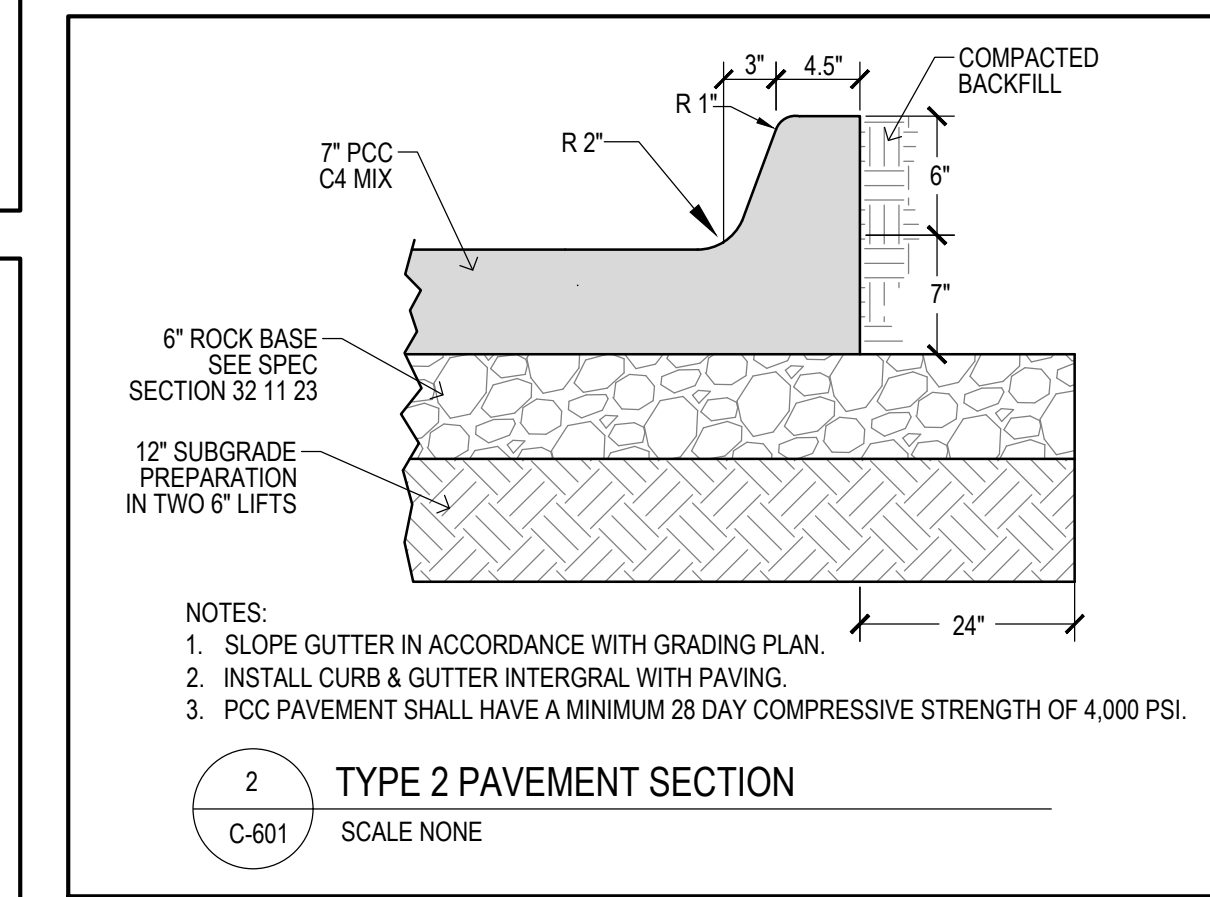
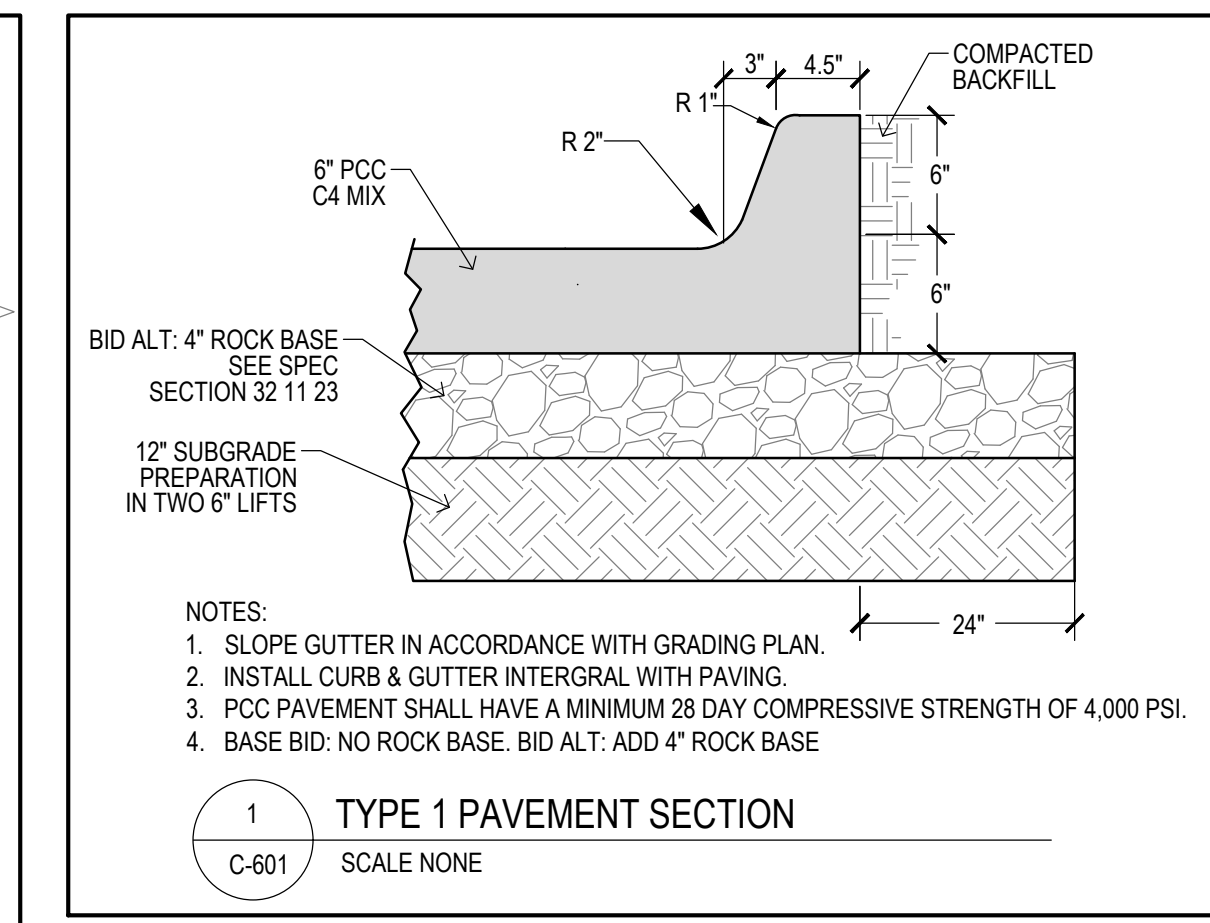
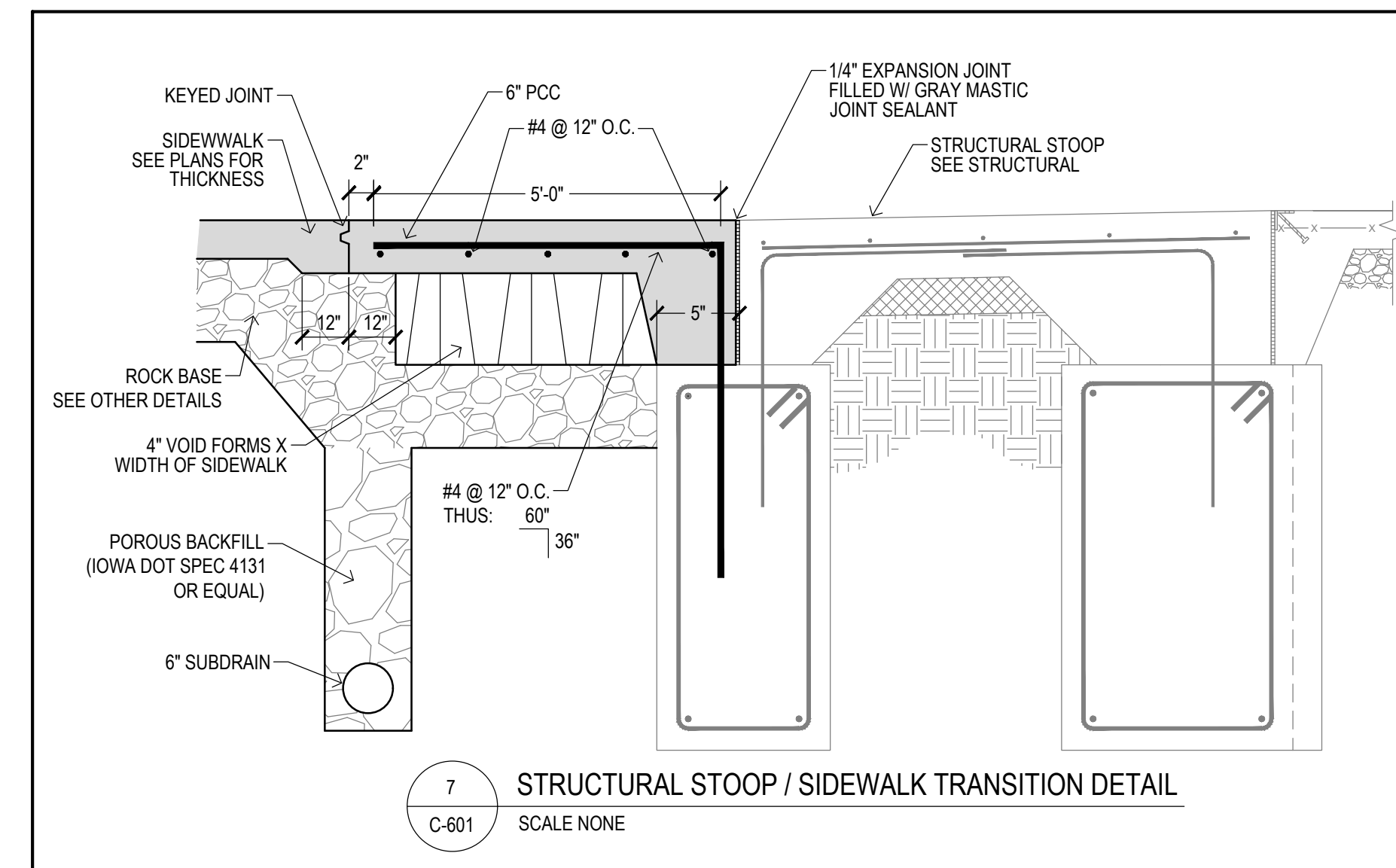
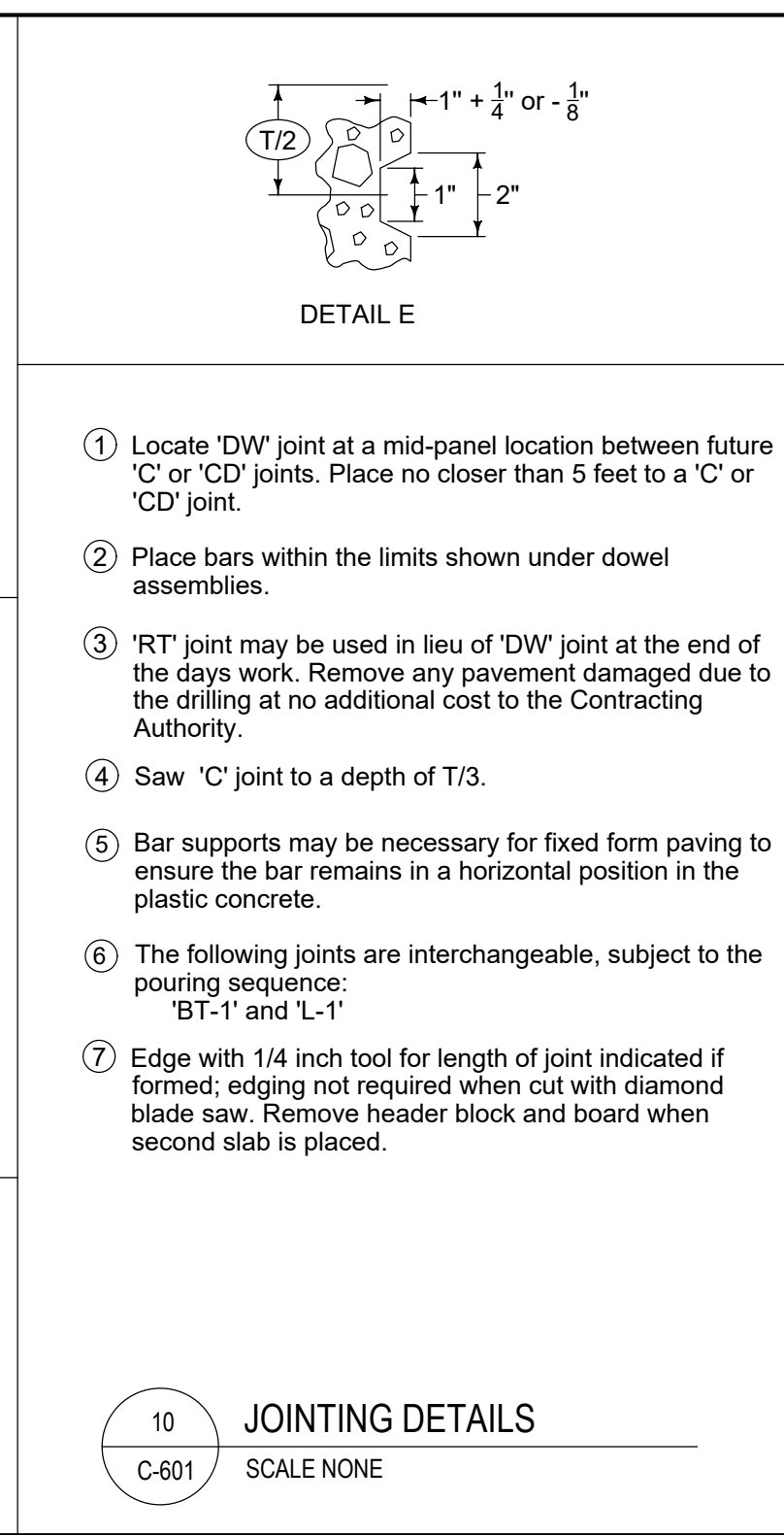
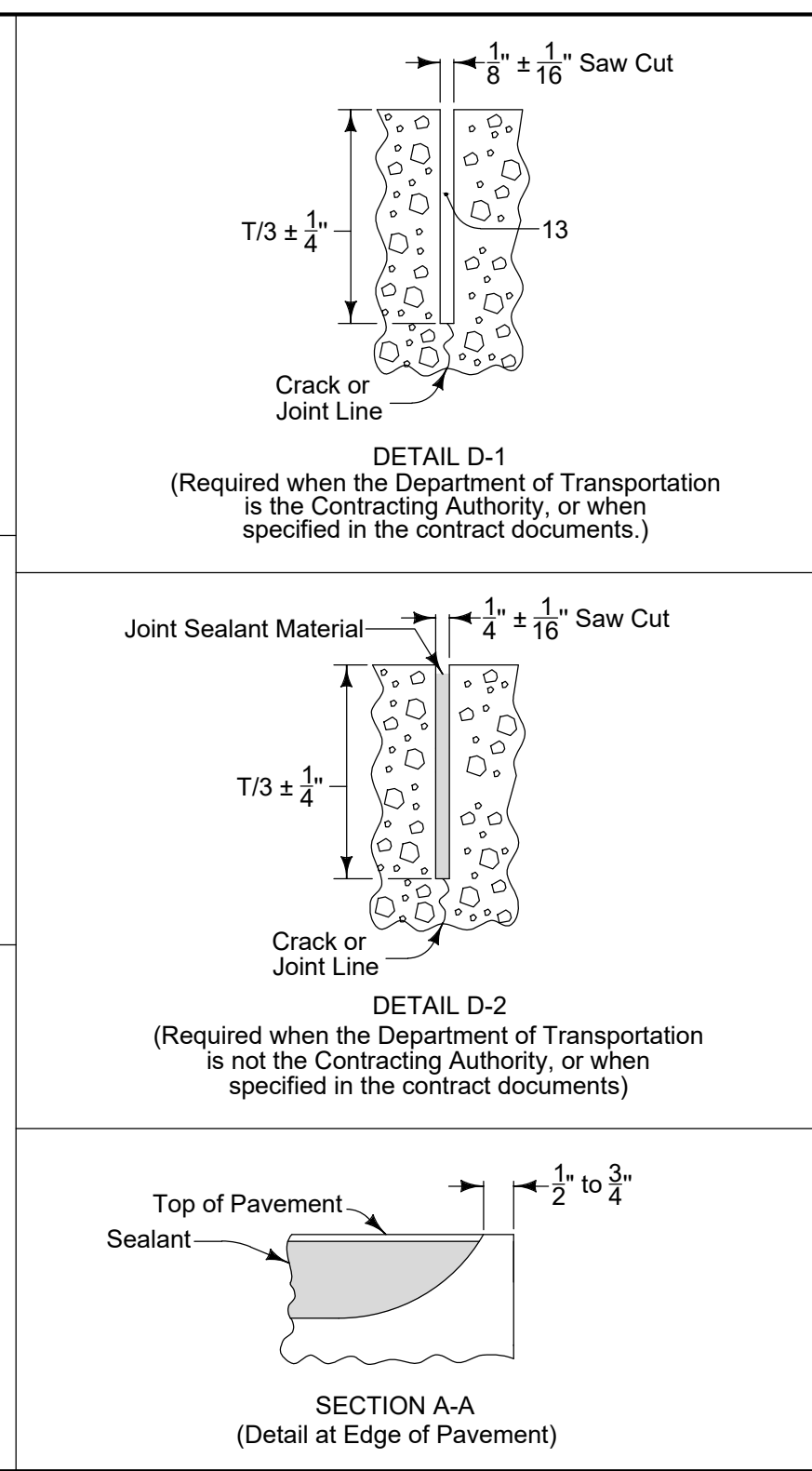
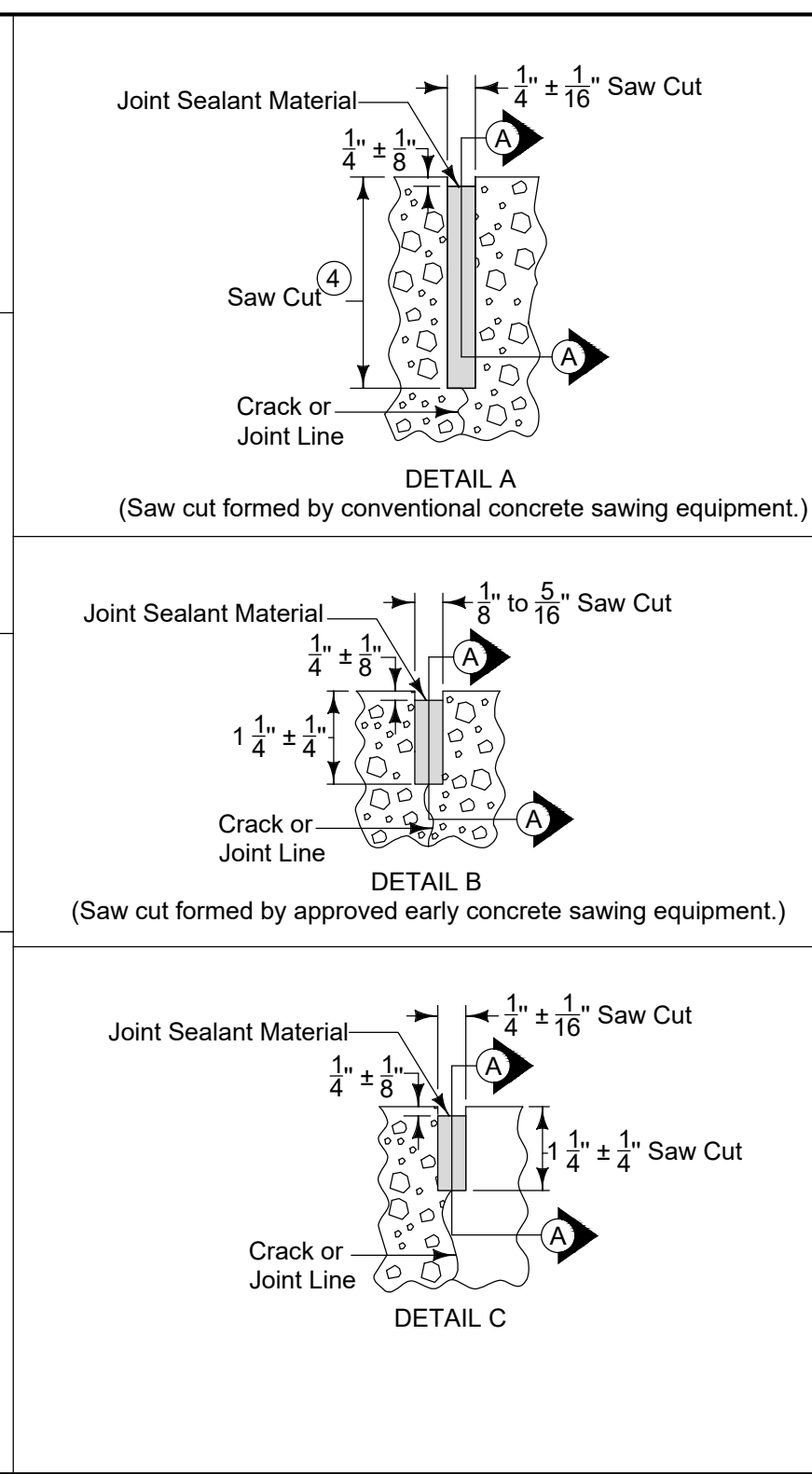
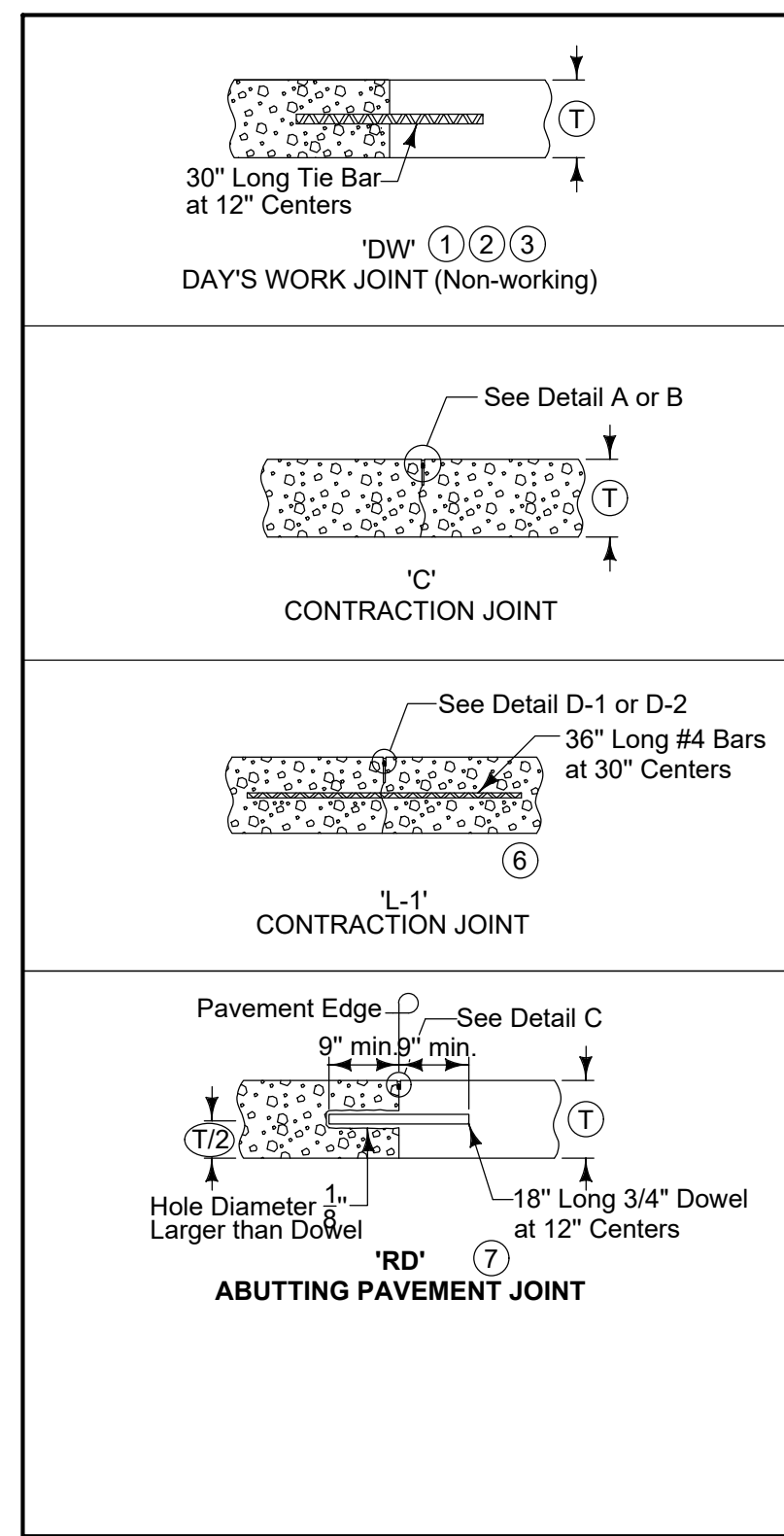
PROJECT NO.:
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 JANUARY 2023

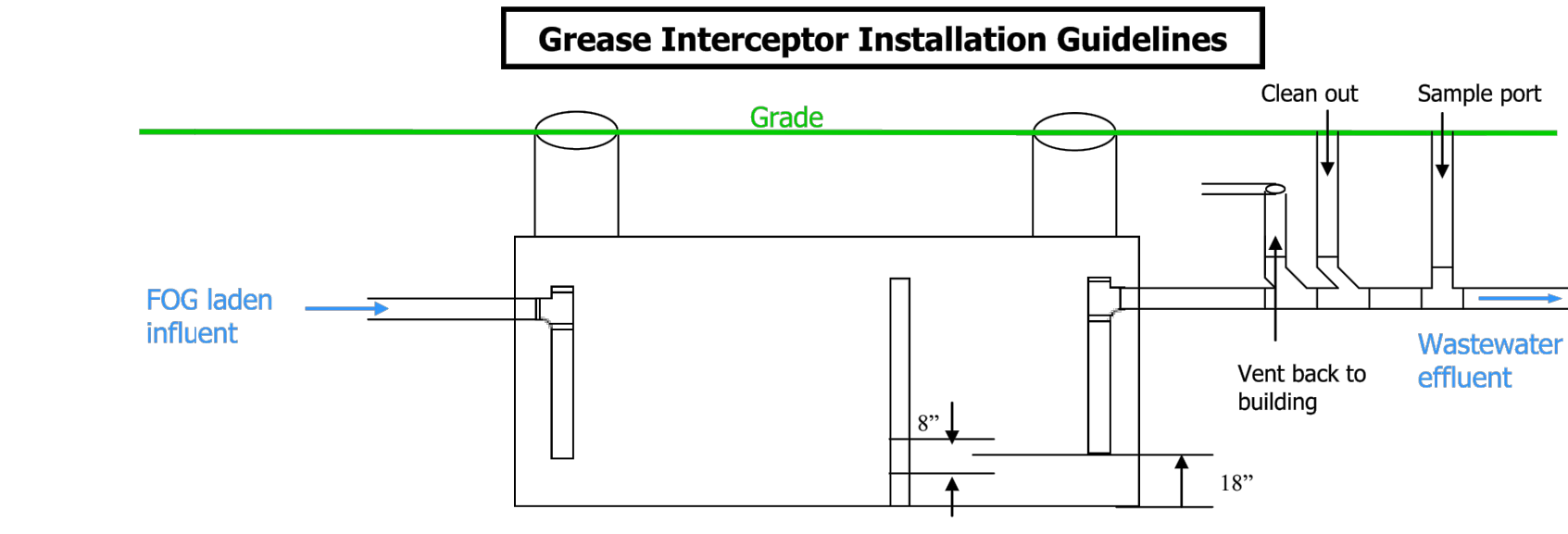
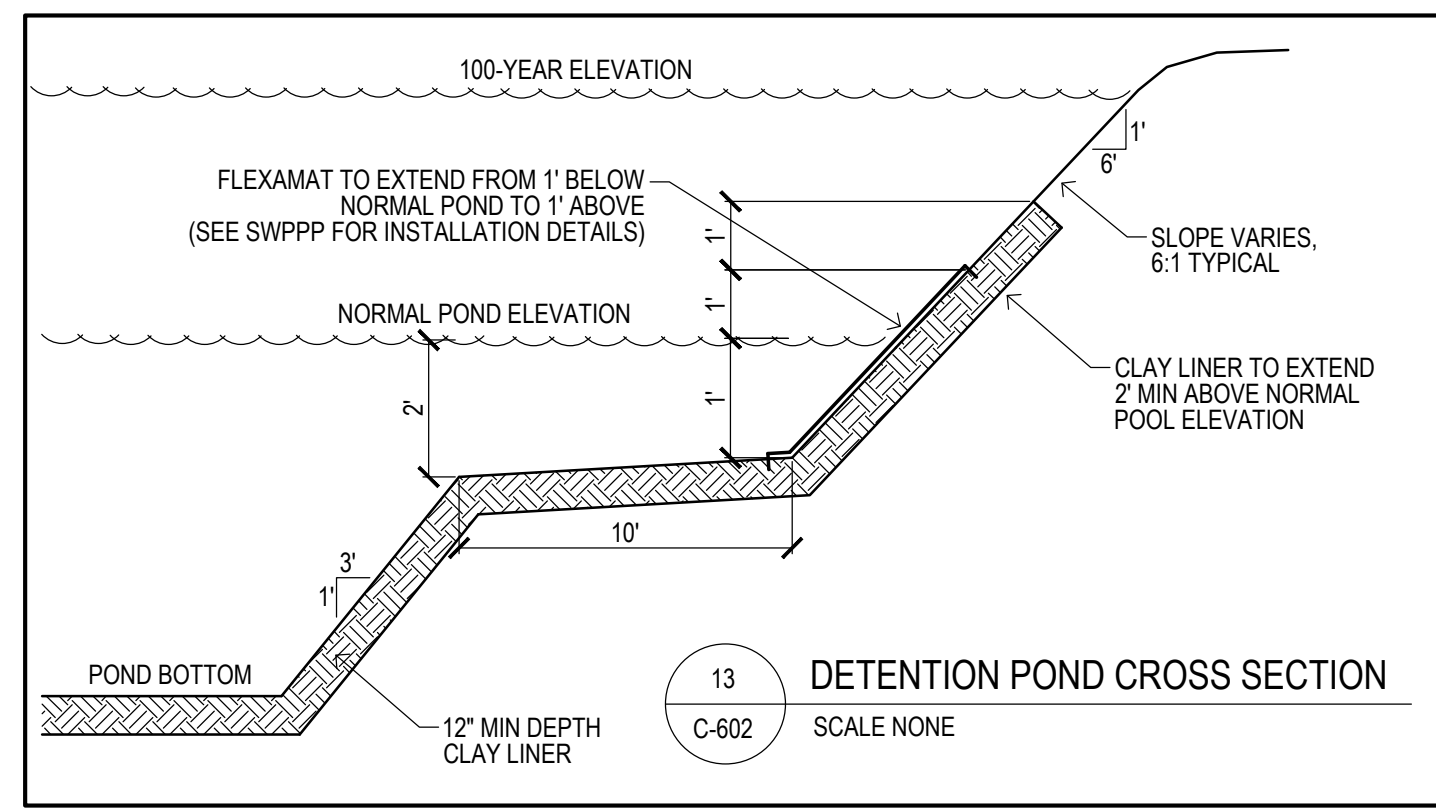
REVISIONS:
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DRAWING TITLE:
 LANDSCAPE PLAN

DRAWING NO.:
C-502

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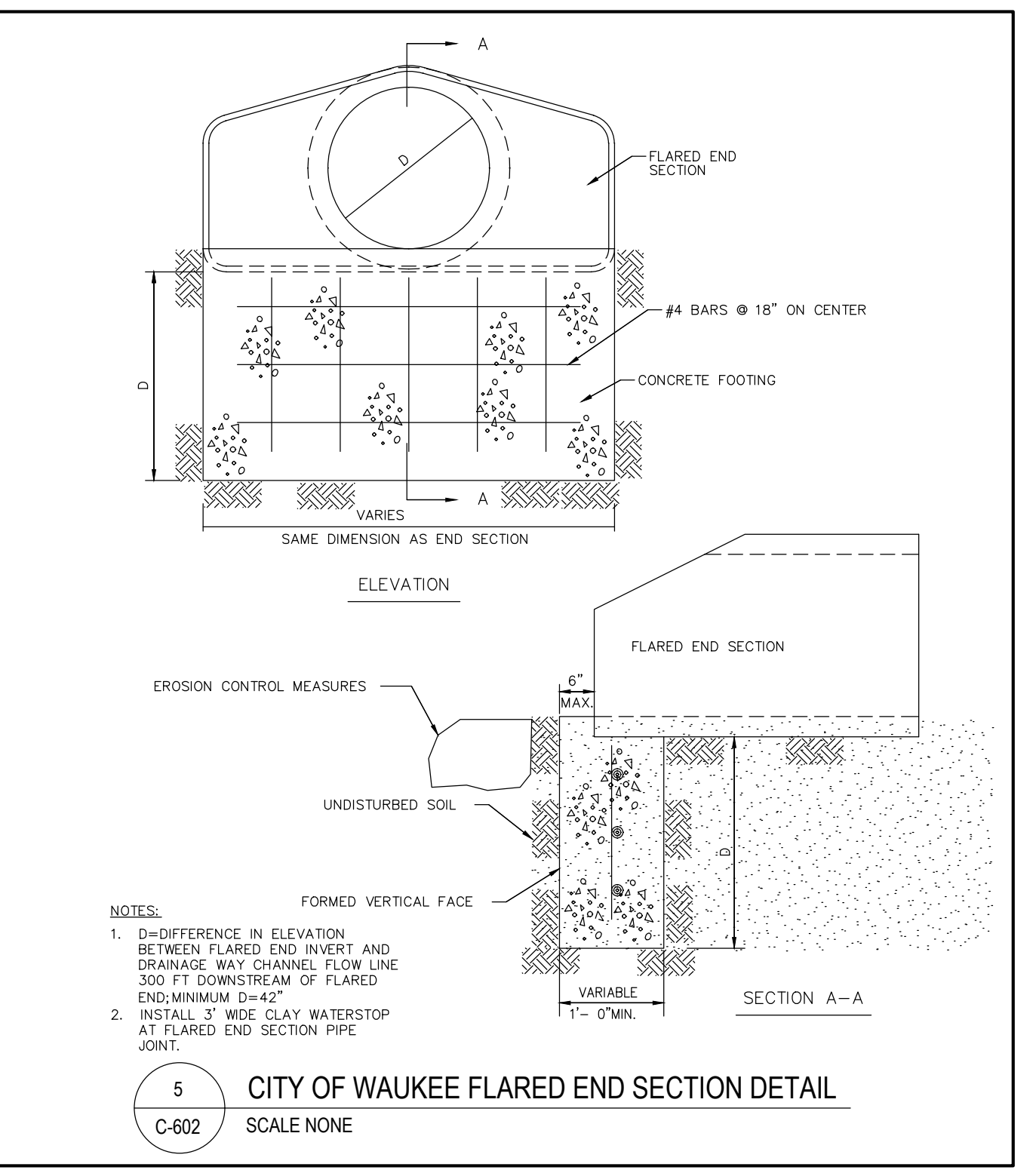




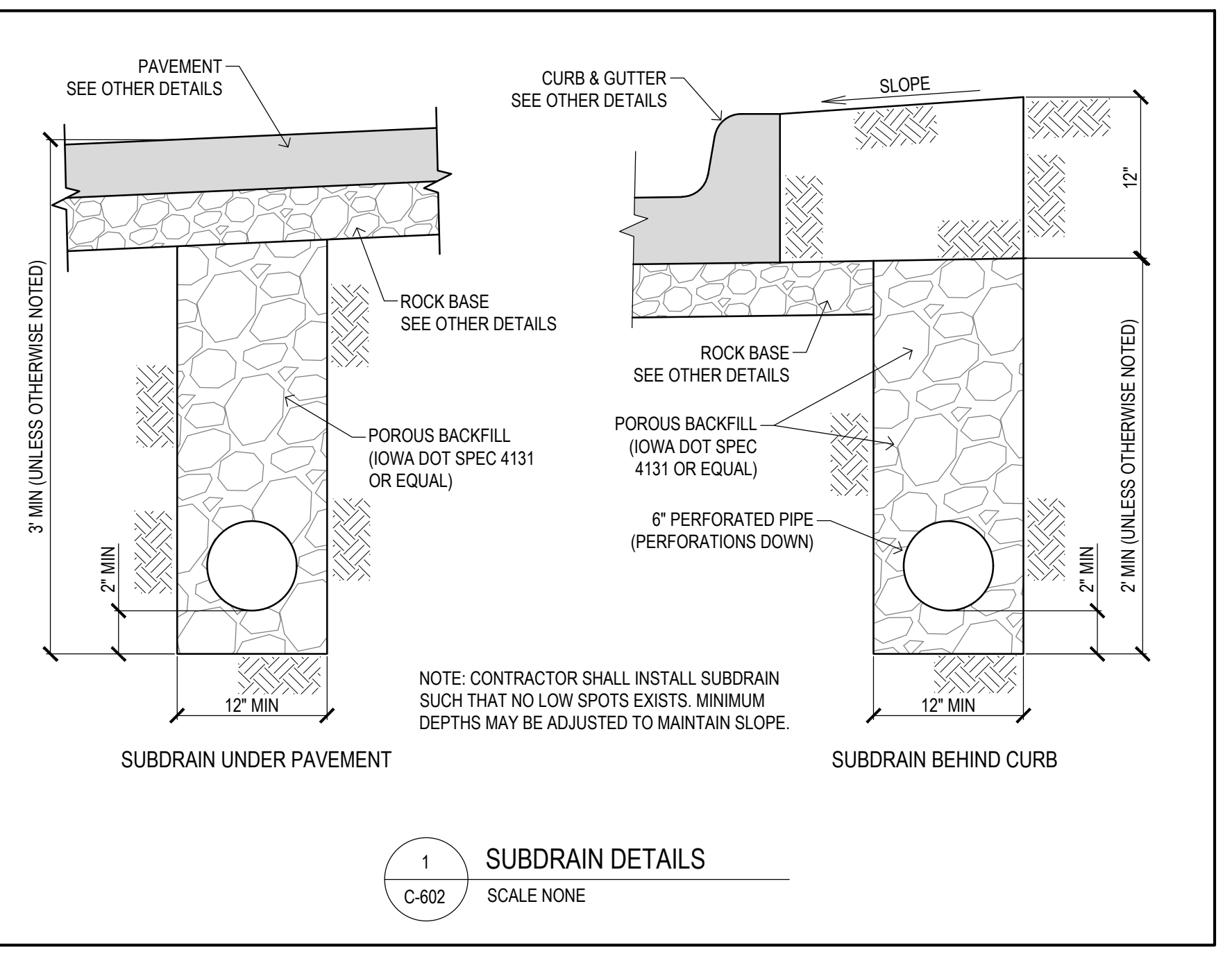
- 1,000 gallon minimum—5,000 gallon maximum.
- When greater than 5,000 gallons of capacity is required, the tanks shall be put in series. Each tank must be properly vented and have a clean out. A sample port is only necessary on the final effluent.
- Pipe shall be a minimum of 4" cast iron or PVC (PVC pipe must be bedded properly). Risers for C.O., & Test port must be Cast Iron, or sleeved to grade.
- Flow line must be below frost line (42").
- Lid covers shall be adjusted to grade (tar or tar rope may be used to seal risers and lids).
- Piping inside the tank shall be PVC; the outlet fitting shall be a sanitary tee and shall be accessible through the lid.
- The interior PVC piping shall terminate at approximately 18" off the bottom of the tank.
- Minimum vent size is 2"; the vent shall run back to the interior of the building and out through the roof; this will be a flat vent and will be allowed by inspectors. May tie into existing vent system.
- Sample port shall be 4" minimum and the fitting at the flow line shall be a vent tee.

Des Moines Metro Wastewater Reclamation Authority
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 Des Moines, IA 50317
 (515) 323-8000
 www.dmmwra.org

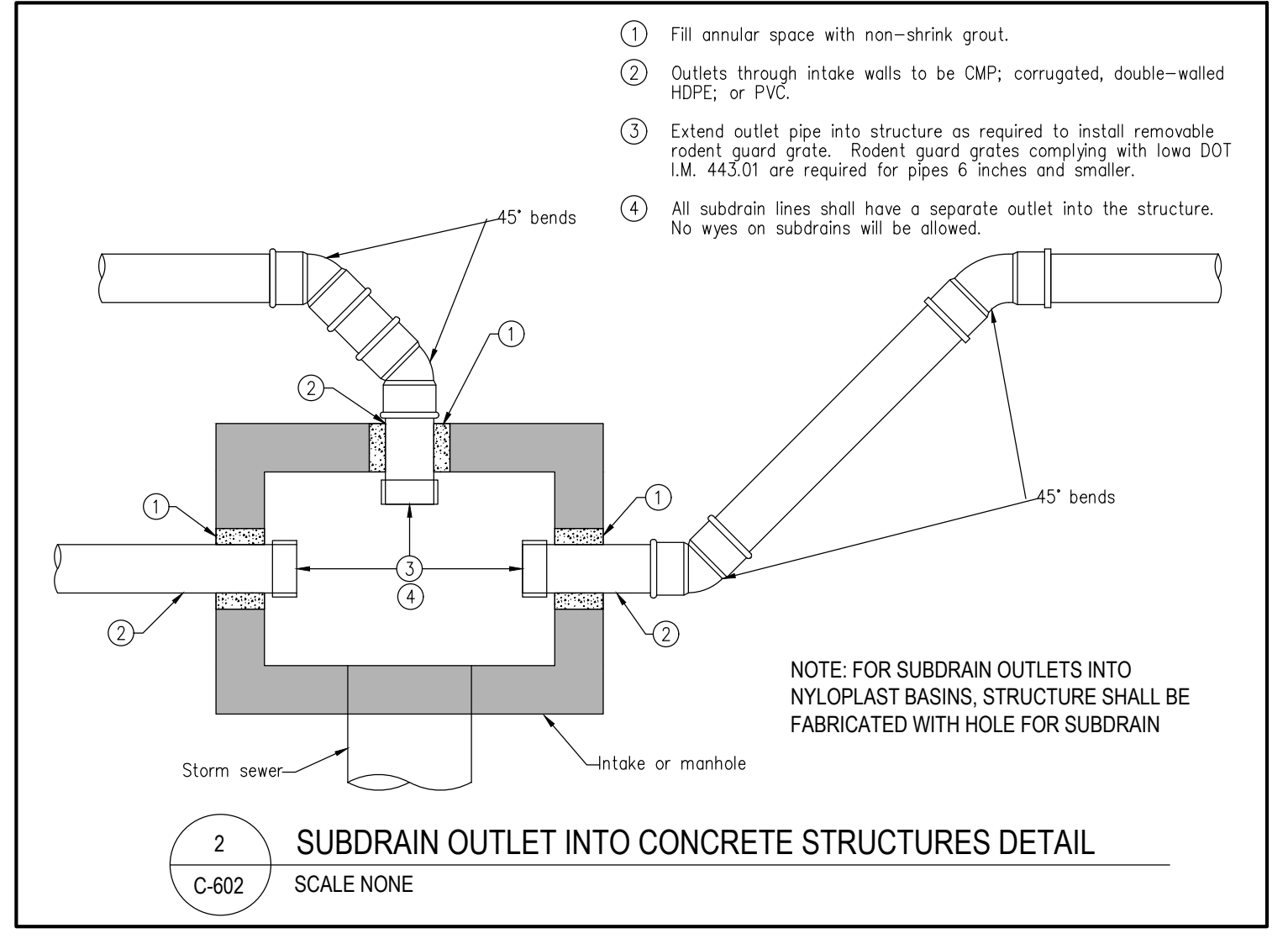
12 GREASE INTERCEPTOR INSTALLATION DETAILS
 SCALE NONE



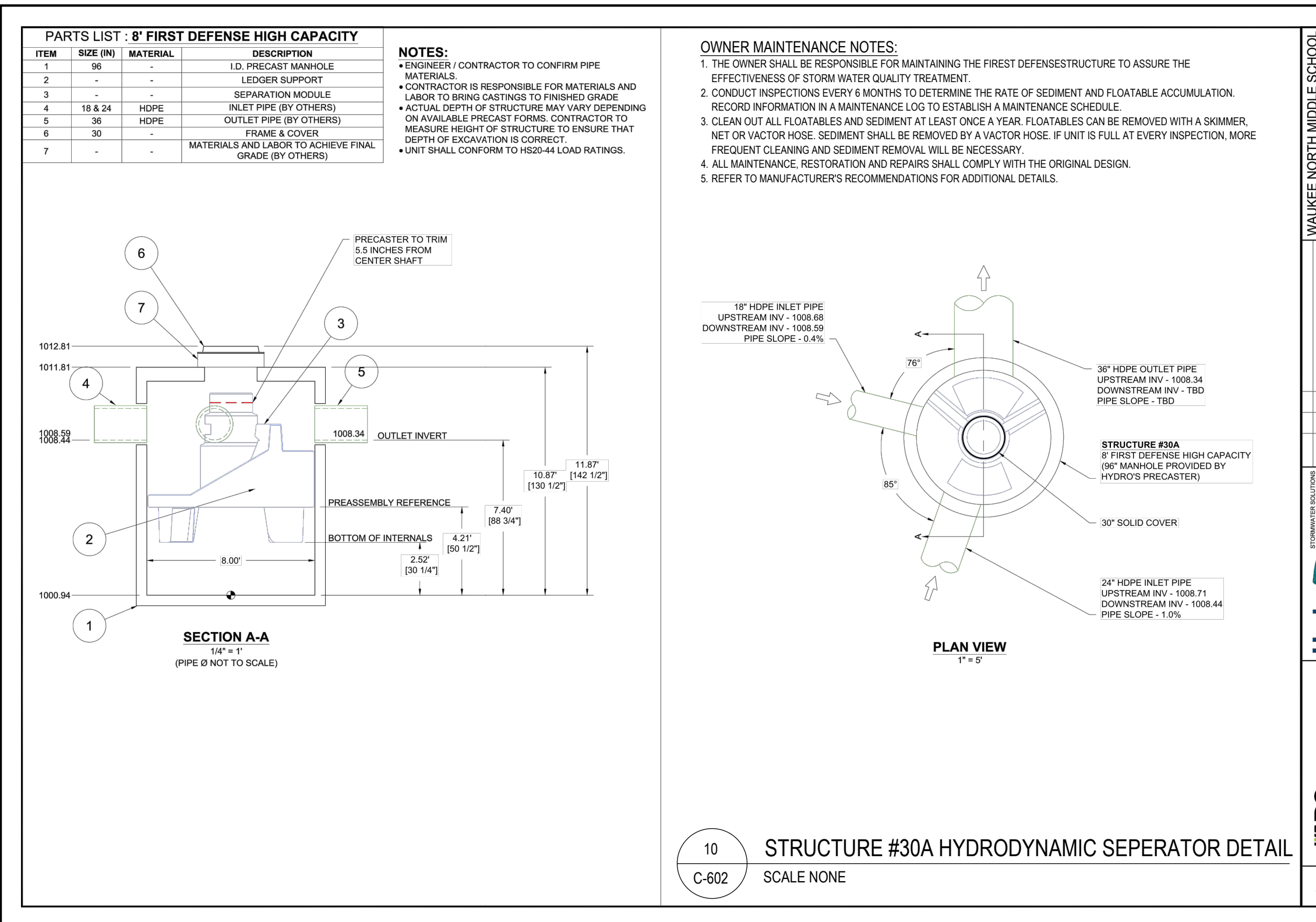
5 CITY OF WAUKEE FLARED END SECTION DETAIL
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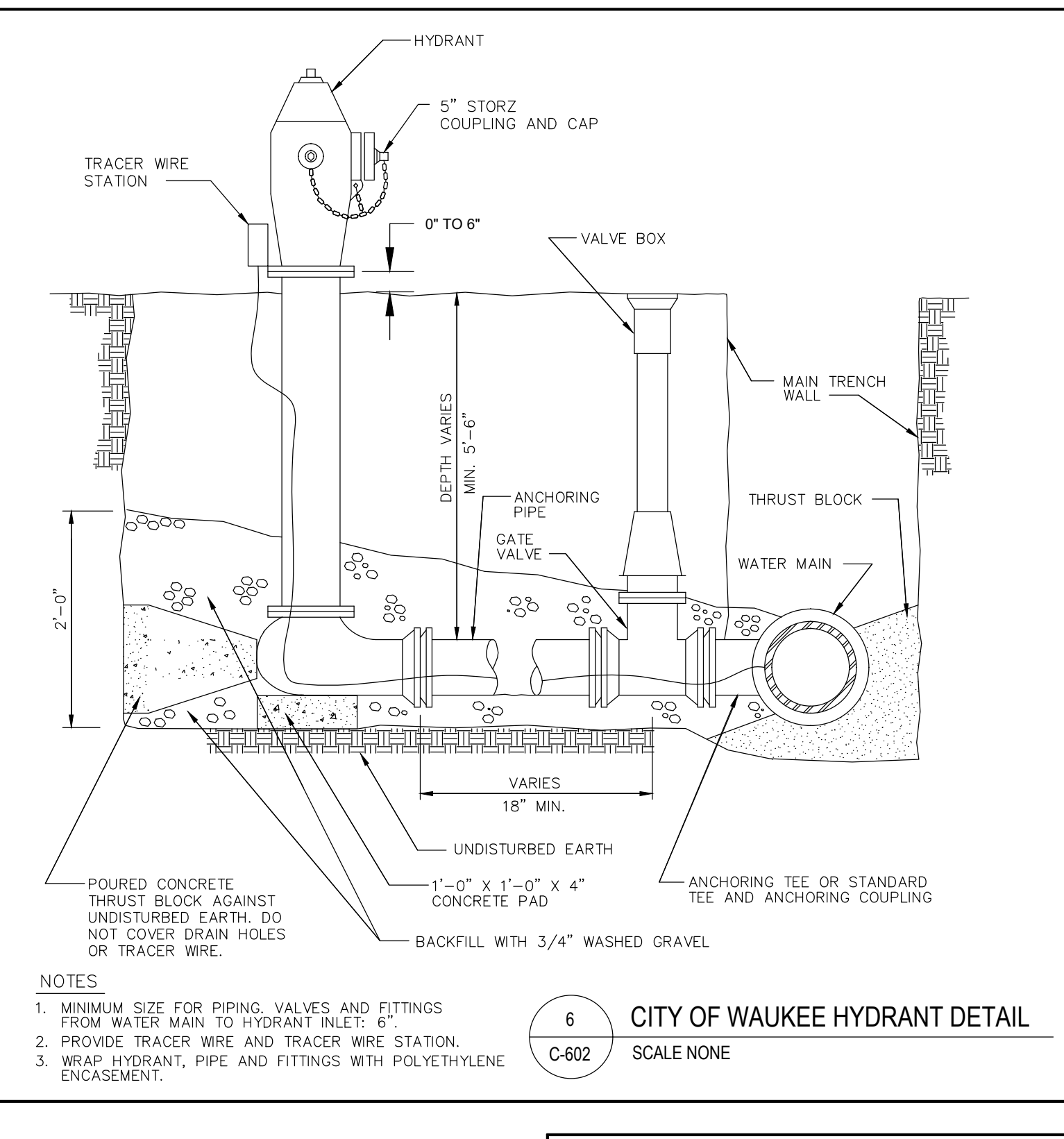
1 SUBDRAIN DETAILS
 SCALE NONE



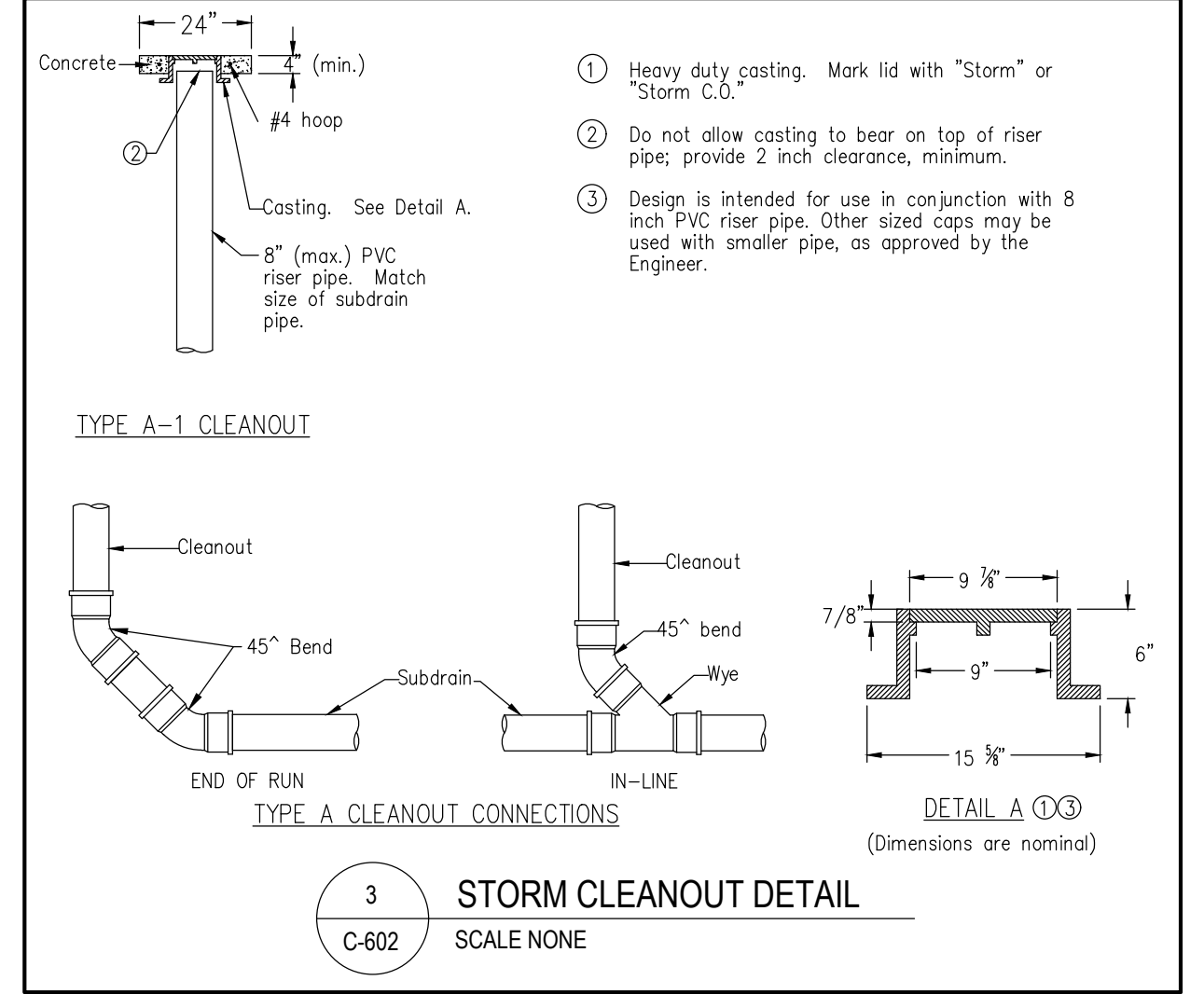
2 SUBDRAIN OUTLET INTO CONCRETE STRUCTURES DETAIL
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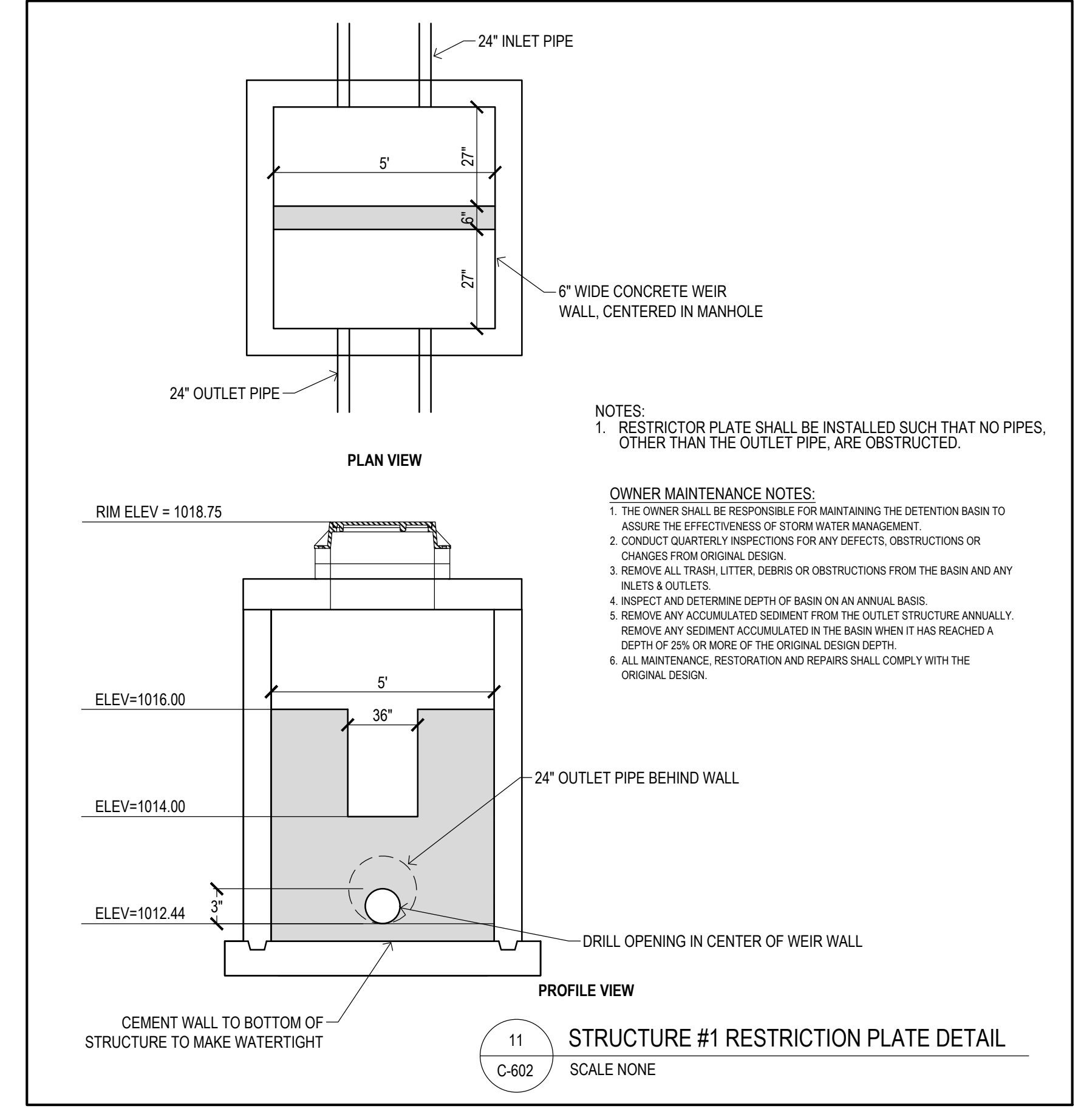
10 STRUCTURE #30A HYDRODYNAMIC SEPARATOR DETAIL
 SCALE NONE



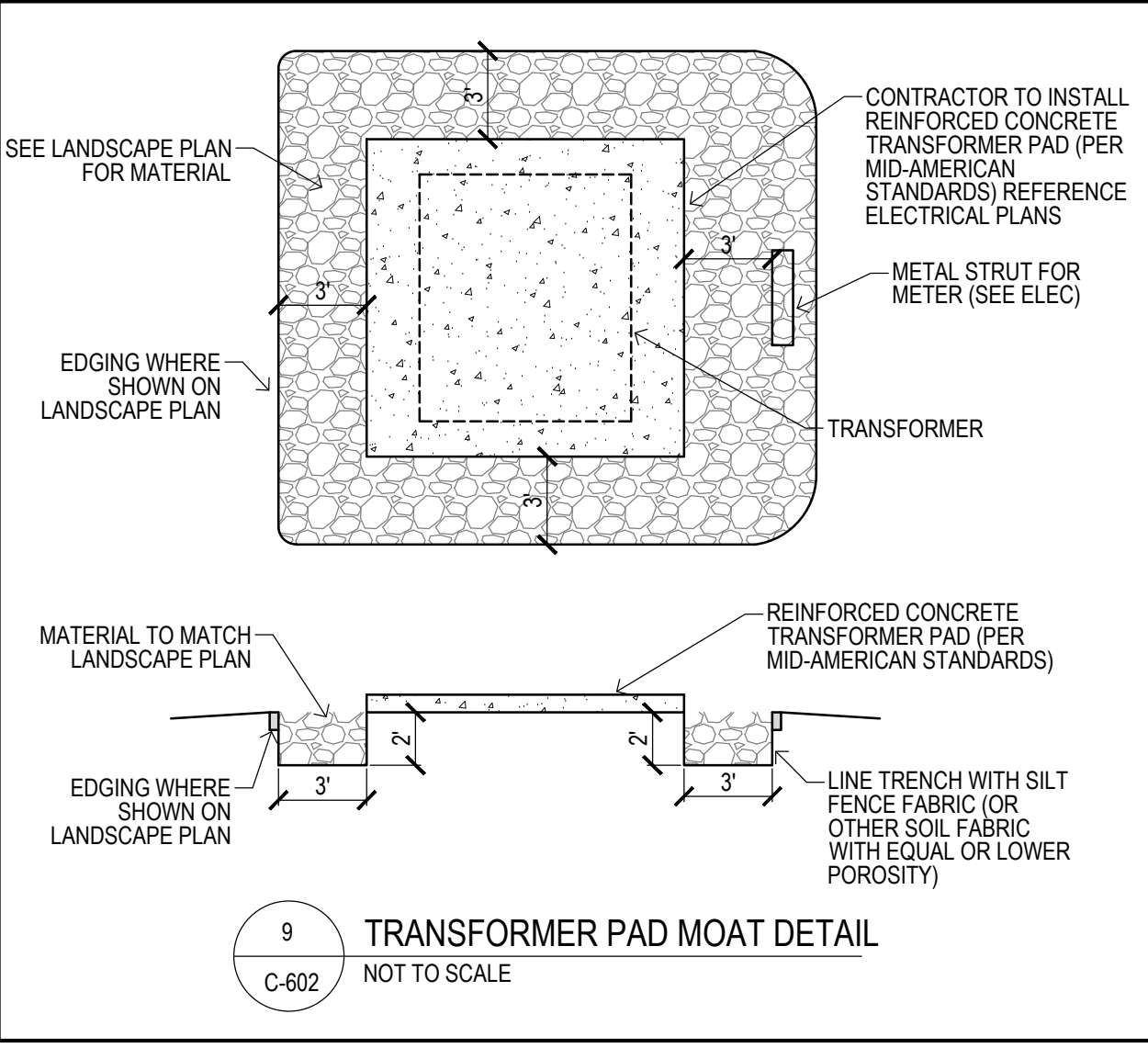
6 CITY OF WAUKEE HYDRANT DETAIL
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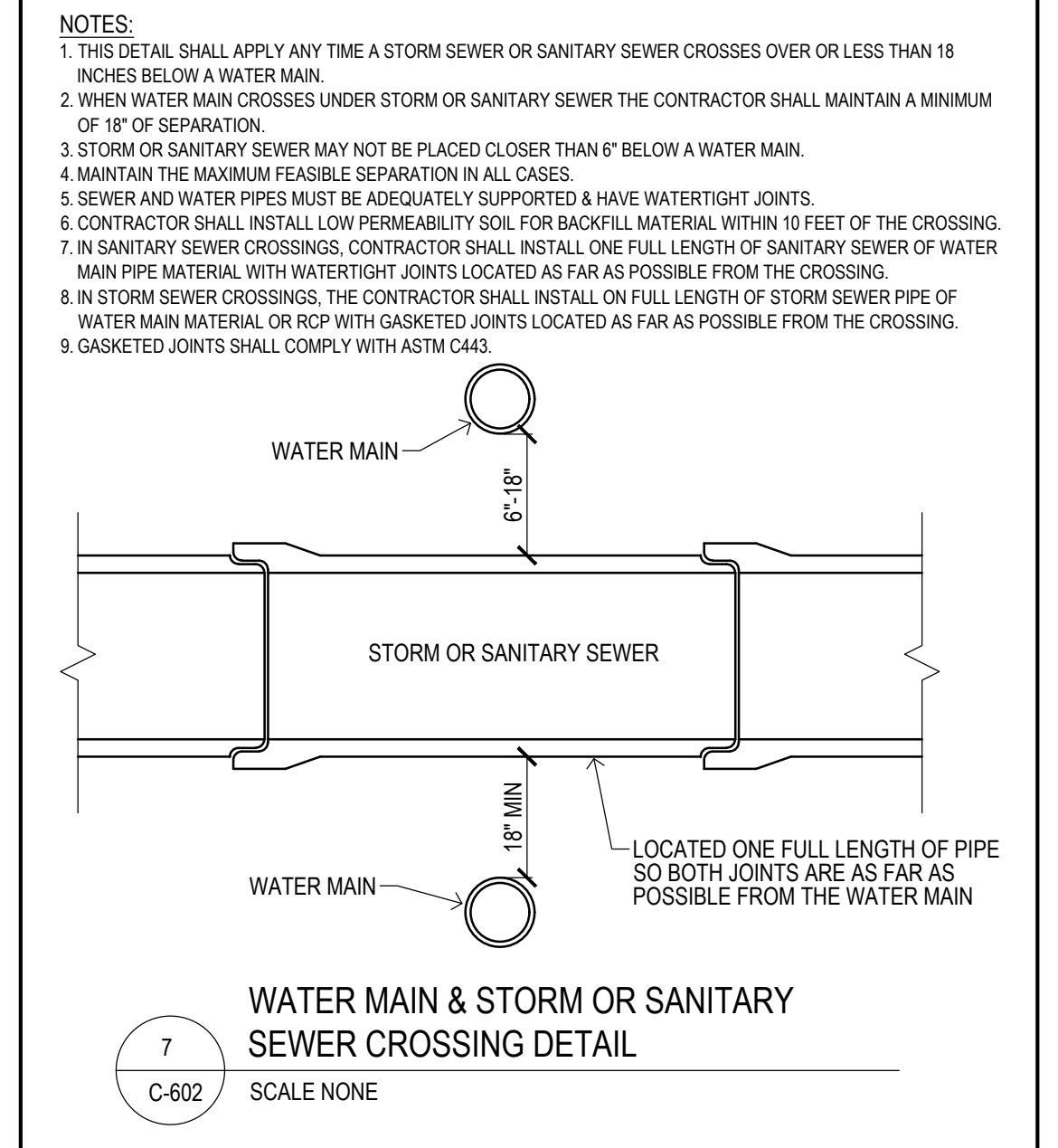
3 STORM CLEANOUT DETAIL
 SCALE NONE



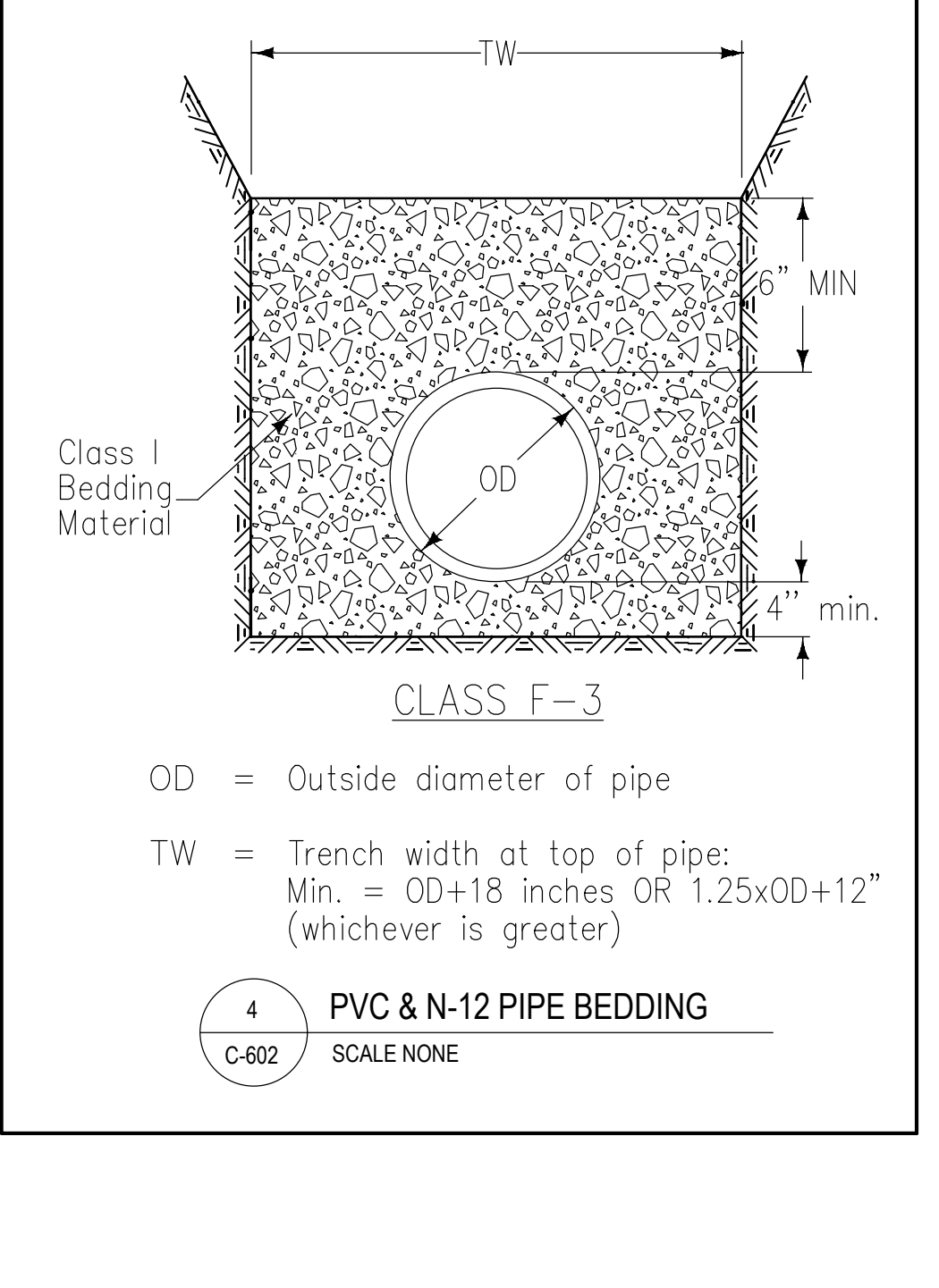
11 STRUCTURE #1 RESTRICTION PLATE DETAIL
 SCALE NONE



9 TRANSFORMER PAD MOAT DETAIL
 NOT TO SCALE



8 ROOF DRAIN CONNECTION DETAIL
 SCALE NONE



4 PVC & N-12 PIPE BEDDING
 SCALE NONE

WISCONSIN	WAUKEE, IA	AGC
ILLINOIS	WAUKEE, IA	AGC
INDIANA	WAUKEE, IA	AGC
MICHIGAN	WAUKEE, IA	AGC
MINNESOTA	WAUKEE, IA	AGC
MISSOURI	WAUKEE, IA	AGC
NEBRASKA	WAUKEE, IA	AGC
NORTH CAROLINA	WAUKEE, IA	AGC
NORTH DAKOTA	WAUKEE, IA	AGC
OHIO	WAUKEE, IA	AGC
OKLAHOMA	WAUKEE, IA	AGC
PENNSYLVANIA	WAUKEE, IA	AGC
RHODE ISLAND	WAUKEE, IA	AGC
TENNESSEE	WAUKEE, IA	AGC
TEXAS	WAUKEE, IA	AGC
VIRGINIA	WAUKEE, IA	AGC
WASHINGTON	WAUKEE, IA	AGC
WEST VIRGINIA	WAUKEE, IA	AGC
WISCONSIN	WAUKEE, IA	AGC
WYOMING	WAUKEE, IA	AGC

STORM WATER POLLUTION PREVENTION PLAN

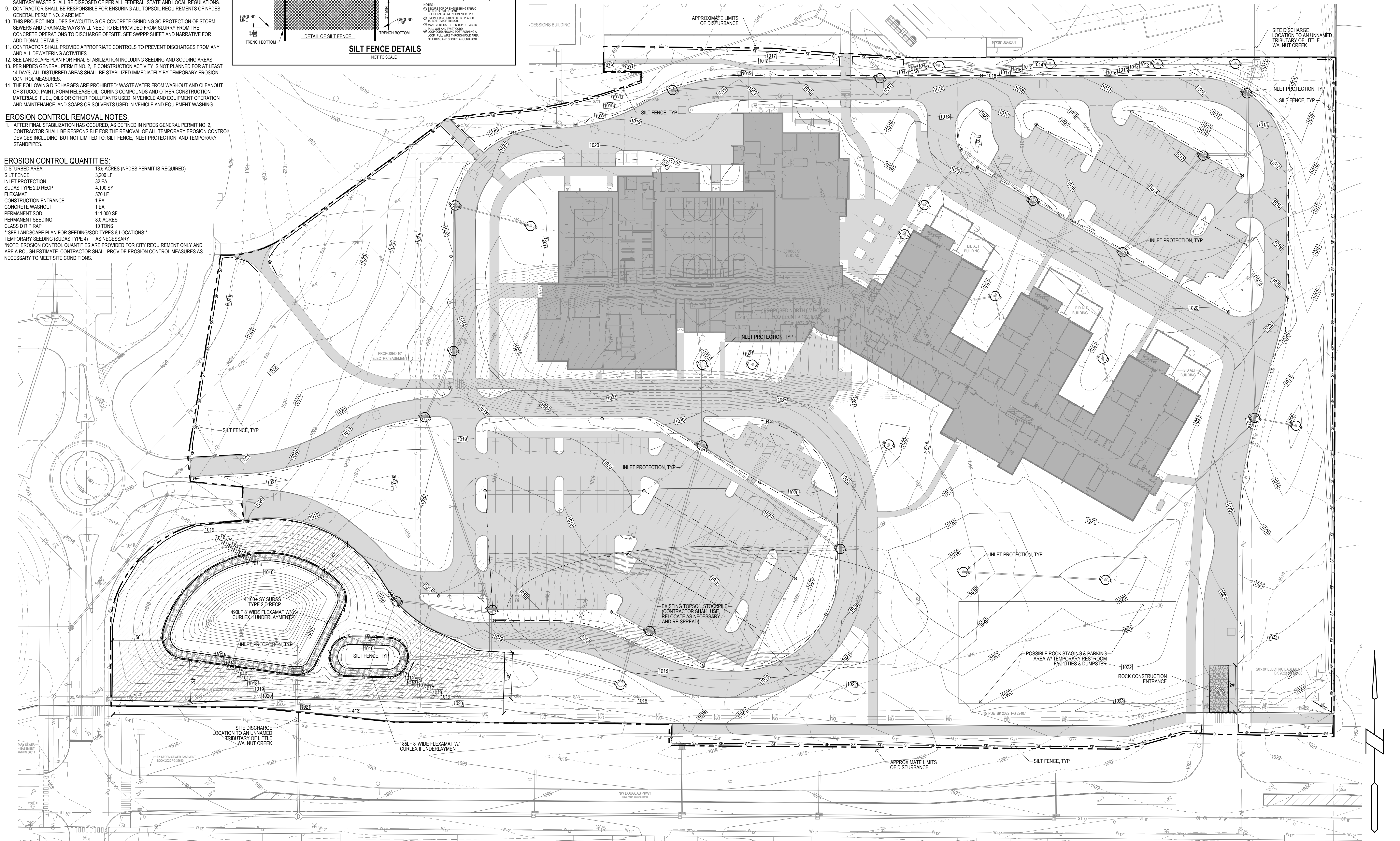
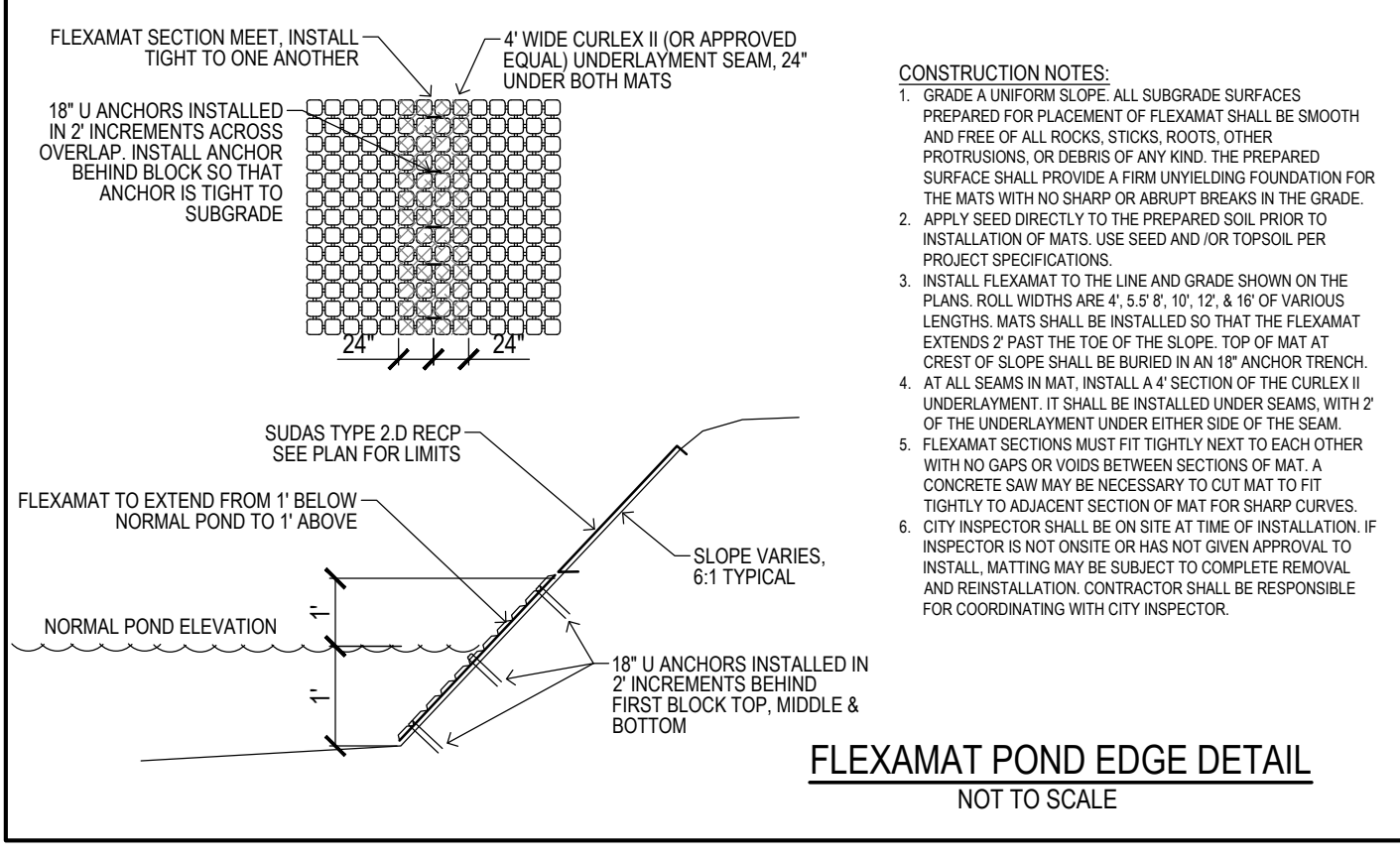
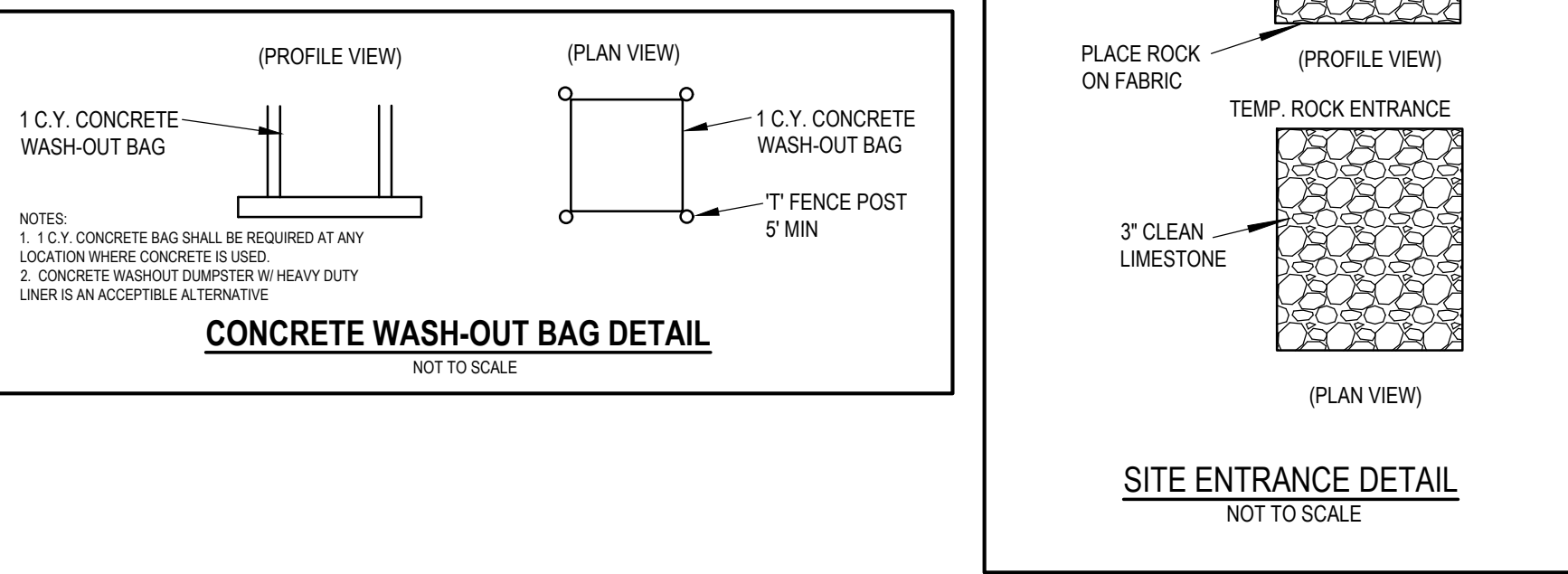
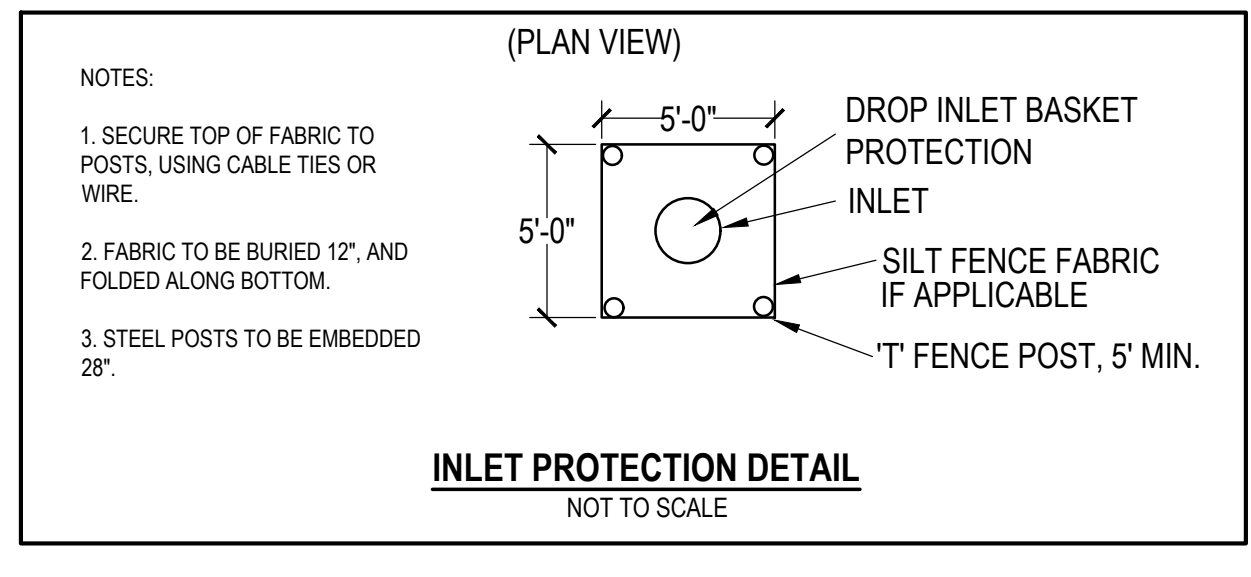
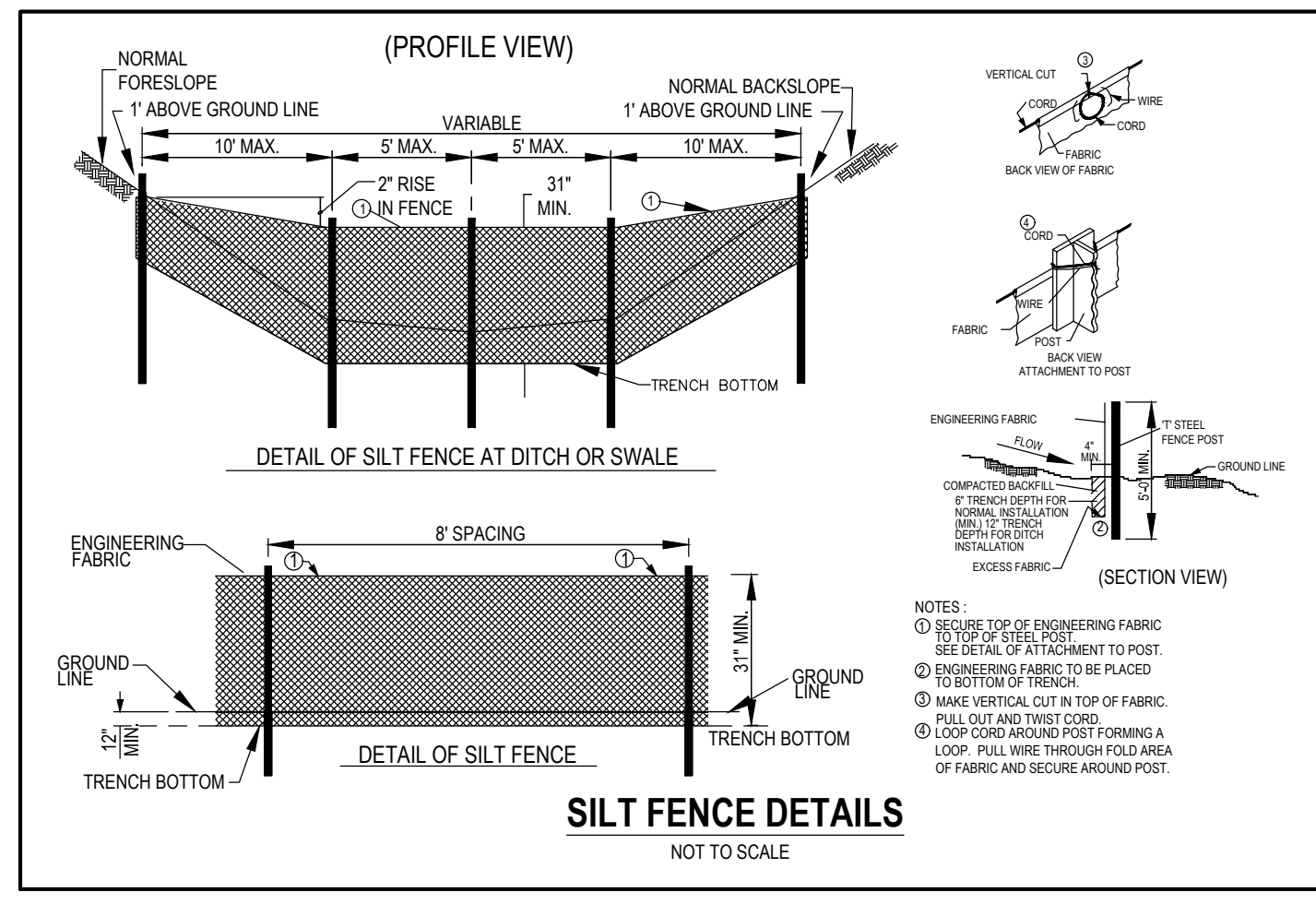
- EROSION CONTROL NOTES:**
- SEE SUPPLEMENTAL DETAIL STORM WATER POLLUTION PLAN NARRATIVE FOR ALL EROSION CONTROL MEASURES. ADDITIONAL DETAILS AND NOTES. ADDITIONAL NOTES AND MEASURES IN NARRATIVE SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE ORIGINAL BID.
 - SWPPP PLAN AND NARRATIVE ARE CONSIDERED A LIVING DOCUMENT AND WILL NEED PERIODIC UPDATES AND ADJUSTMENTS AS NECESSARY DEPENDING ON SITE CONDITIONS TO ASSURE COMPLIANCE WITH NPDES GENERAL PERMIT NO. 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UPDATE THE SWPPP AND IMPLEMENT ANY AND ALL MEASURES NECESSARY TO COMPLY WITH SAID PERMIT NO. 2.
 - INSTALL PERIMETER SILT FENCE AS SHOWN ON PLANS PRIOR TO CONSTRUCTION.
 - INSTALL INTAKE PROTECTION WITH SILT FENCE IMMEDIATELY AFTER STORM SEWER CONSTRUCTION.
 - INSTALL FINISHED PAVING INLET PROTECTION IMMEDIATELY AFTER PAVING IS COMPLETED AROUND INTAKE.
 - OTHER EROSION CONTROL TYPES MAY NOT BE SUBSTITUTED FOR SILT FENCE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A CONCRETE WASHOUT IN ACCORDANCE WITH NPDES GENERAL PERMIT NO. 2 DURING ALL CONCRETE WORK. CONCRETE WASHOUT SHALL MEET SUDAS SPEC 11000.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING TEMPORARY RESTROOM FACILITIES. SANITARY WASTE SHALL BE DISPOSED OF PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.
 - THIS PROJECT INCLUDES SAWCUTTING OR CONCRETE GRINDING SO PROTECTION OF STORM SEWERS AND DRAINAGE WAYS WILL NEED TO BE PROVIDED FROM SLURRY FROM THE CONCRETE OPERATIONS TO DISCHARGE OFFSITE. SEE SWPPP SHEET AND NARRATIVE FOR ADDITIONAL DETAILS.
 - CONTRACTOR SHALL PROVIDE APPROPRIATE CONTROLS TO PREVENT DISCHARGES FROM ANY AND ALL DEWATERING ACTIVITIES.
 - SEE LANDSCAPE PLAN FOR FINAL STABILIZATION INCLUDING SEEDING AND SOODING AREAS.
 - PER NPDES GENERAL PERMIT NO. 2, IF CONSTRUCTION ACTIVITY IS NOT PLANNED FOR AT LEAST 14 DAYS, ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY BY TEMPORARY EROSION CONTROL MEASURES.
 - THE FOLLOWING DISCHARGES ARE PROHIBITED: WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OIL, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS, FUEL OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE, AND SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

- EROSION CONTROL REMOVAL NOTES:**
- AFTER FINAL STABILIZATION HAS OCCURRED, AS DEFINED IN NPDES GENERAL PERMIT NO. 2, CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO: SILT FENCE, INLET PROTECTION, AND TEMPORARY STANDPIPES.

EROSION CONTROL QUANTITIES:

DISTURBED AREA	18.5 ACRES (NPDES PERMIT IS REQUIRED)
SILT FENCE	3,200 LF
INLET PROTECTION	32 EA
SUDAS TYPE 2 D RECP	4,100 SY
FLEXAMAT	570 LF
CONSTRUCTION ENTRANCE	1 EA
CONCRETE WASHOUT	1 EA
PERMANENT SOD	111,000 SF
PERMANENT SEEDING	8.0 ACRES
CLASS D RIP RAP	10 TONS

SEE LANDSCAPE PLAN FOR SEEDING/SOD TYPES & LOCATIONS
 TEMPORARY SEEDING (SUDAS TYPE 4) AS NECESSARY
 NOTE: EROSION CONTROL QUANTITIES ARE PROVIDED FOR CITY REQUIREMENT ONLY AND ARE A ROUGH ESTIMATE. CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AS NECESSARY TO MEET SITE CONDITIONS.



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NEW WAUKEE 617 MIDDLE SCHOOL
 WAUKEE COMMUNITY SCHOOL DISTRICT
 WAUKEE, IOWA

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1018v
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DRAWING TITLE:
EROSION CONTROL PLAN

DRAWING NO.:
C-701

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