

OWNER/APPLICANT

WOODSIDE BUSINESS PARK LLC CONTACT: DEAN GODWIN POB 187 ANKENY, IOWA 50021 PH. (515) 771-4555

ENGINEER

CIVIL DESIGN ADVANTAGE 3405 SE CROSSROADS DRIVE, SUITE G GRIMES, IOWA 50111 CONTACT: DEAN ROGHAIR EMAIL: DEANR@CDA-ENG.COM PH. (515) 369-4400 FX. (515) 369-4410

SURVEYOR

CIVIL DESIGN ADVANTAGE, LLC 3405 SE CROSSROADS DRIVE, SUITE G GRIMES, IOWA 50111 CONTACT: CHARLIE MCGLOTHLEN EMAIL: CHARLIEM@CDA-ENG.COM PH. (515) 369-4400 FX. (515) 369-4410

ARCHITECT

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DATE OF SURVEY

08/21/2018

BENCHMARKS

- 1. ANKENY BM#517, SE BOLT ON HYDRANT SOUTH SIDE OF 16TH COURT. 130" +/- EAST OF & DELAWARE. ELEVATION=952.86
- 2. ARROW ON HYDRANT IN CENTER MEDIAN 75' +/- SOUTH, SOUTHWEST OF EXISTING BUILDING. (SASSY BOUTIQUE). ELEVATION=967.40

SUBMITTAL DATES

FIRST SUBMITTAL: SECOND SUBMITTAL:

08/28/2018 07/12/2019

LEGAL DESCRIPTION

LOT 6, ANKENY INDUSTRIAL PARK, AN OFFICIAL PLAT IN THE CITY OF ANKENY, POLK COUNTY, IOWA, EXCEPT PARCEL 'A' IN BOOK 9848, PAGE 13

CONTAINING 4.13 ACRES (179,785 SF)

ZONING

GENERAL RETAIL, HIGHWAY ORIENTED AND CENTRAL BUSINESS COMMERCIAL

PROJECT SITE ADDRESS

1690 SE DELAWARE DRIVE

BULK REGULATIONS

FRONT YARD SIDE YARD

= 0 FEET, 25 FEET ADJACENT TO RESIDENTIAL = 40 FEET

= 4.13 ACRES (179,785 SF)

REAR YARD MAXIMUM HEIGHT = 35 FEET MAXIMUM STORIES = 2

DEVELOPMENT SUMMARY

TOTAL SITE AREA:

OPEN SPACE CALCULATION:

= 35 FEET

PHASE 1 AREA: = 105,505 SFOPEN SPACE REQUIRED (20%) = 21,101 SF OPEN SPACE PROVIDED = 30,302 SF (28.7%) IMPERVIOUS AREA:

BUILDING = 16,105 SF PARKING/DRIVES = 55,598 SF = 3.500 SF SIDEWALK = 75,203 SF

PHASE 2 AREA: = 74.280 SFOPEN SPACE REQUIRED (20%) = 14,856 SF OPEN SPACE PROVIDED = 17,980 SF (24%)

IMPERVIOUS AREA: BUILDING = 24.270 SFPARKING/DRIVES = 24,325 SFPARKING (PHASE 1 ADD) = 3.315 SF

* TOTAL SITE OPEN SPACE PROVIDED = 48,282 (26.86%)

PARKING CALCULATIONS:

BUILDING - PHASE 1 (16,105 SF)

RESTAURANT: 7,600 SF @ 1/100 SF = 76 STALLS = 11 STALLS OUTSIDE SEATING: 44 SEATS @ 1/4 SEATS RETAIL: 8,505 SF @ 1/200 SF = 43 STALLS TOTAL PHASE 1 REQUIRED = 130 STALLS *10% MULTI-TENANT REDUCTION (130 * 0.10) = -13 STALLS TOTAL PHASE 1 REQUIRED AFTER REDUCTION = 117 STALLS TOTAL PHASE 1 PROVIDED = 150 STALLS REMOVED DURING PHASE 2 CONSTRUCTION = -22 STALLS TOTAL AFTER PHASE 2 CONSTRUCTION = 128 STALLS

= 56,300 SF

BUILDING - PHASE 2 (24,270 SF)

RESTAURANT: 3,700 SF @ 1/100 SF = 37 STALLS RETAIL: 5,455 SF @ 1/200 SF = 28 STALLS FLEX OFFICE: (200 SF/BAY=2000 SF) @ 1/400 SF = 5 STALLS WAREHOUSE: 1 PER 2 EMPLOYEES (3/BAY) = 30 STALLS TOTAL PHASE 2 REQUIRED =100 STALLS 10% MULTI-TENANT REDUCTION (100 * 0.10) =-10 STALLS TOTAL PHASE 2 AFTER REDUCTION = 90 STALLS TOTAL PHASE 2 PROVIDED = 83 STALLS

TOTAL SITE REQUIRED AFTER REDUCTION = 207 STALLS TOTAL SITE TO BE PROVIDED = 211 STALLS

FLEX: A 10% PARKING REDUCTION IS ALLOWED PURSUANT TO ANKENY MUNCIPAL CODE SECTION 17.66.012.

= 14

ERU CALCULATIONS

IMPERVIOUS SURFACES:

BUILDING =24,270 SF PAVEMENT (PARKING/DRIVES) 24,325 + 3.315= 27,640 SFSIDEWALK = 4,390 SF TOTAL IMPERVIOUS AREA = 56,300 SFERU-SITE (IMPERVIOUS AREA/4000)

ANKENY, IOWA

INDEX OF SHEETS

DESCRIPTION

COVER SHEET

TOPOGRAPHIC SURVEY / DEMOLITION PLAN

DIMENSION PLAN

GRADING PLAN

UTILITY PLAN

DETAILS

LANDSCAPE PLAN



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UTILITY WARNING

ANY UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY AND RECORDS OBTAINED BY THIS SURVEYOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL THE UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION SHOWN.



3405 SE CROSSROADS DR. SUITE G. GRIMES, IOWA 50111 PH: (515) 369-4400 Fax: (515) 369-4410 PROJECT NO. 1807.400

GENERAL LEGEND

PROPOSED PROPERTY BOUNDARY SECTION LINE _________ CENTER LINE RIGHT OF WAY BUILDING SETBACK PERMANENT EASEMENT —— —P/E— ——— TEMPORARY EASEMENT TYPE SW-501 STORM INTAKE TYPE SW-502 STORM INTAKE TYPE SW-503 STORM INTAKE TYPE SW-505 STORM INTAKE TYPE SW-506 STORM INTAKE TYPE SW-512 STORM INTAKE TYPE SW-513 STORM INTAKE TYPE SW-401 STORM MANHOLE TYPE SW-402 STORM MANHOLE FLARED END SECTION TYPE SW-301 SANITARY MANHOLE STORM/SANITARY CLEANOUT WATER VALVE FIRE HYDRANT ASSEMBLY DETECTABLE WARNING PANEL SANITARY SEWER WITH SIZE ——6"S —— STORM SEWER WITH SIZE _____15"ST_____ WATERMAIN WITH SIZE -----8"W -----SAWCUT (FULL DEPTH) SILT FENCE USE AS CONSTRUCTED MINIMUM PROTECTION ELEVATION MPE

SANITARY MANHOLE WATER VALVE BOX FIRE HYDRANT WATER CURB STOP STORM SEWER MANHOLE STORM SEWER SINGLE INTAKE STORM SEWER DOUBLE INTAKE FLARED END SECTION DECIDUOUS TREE CONIFEROUS TREE DECIDUOUS SHRUB CONIFEROUS SHRUB ELECTRIC POWER POLE GUY ANCHOR STREET LIGHT POWER POLE W/ TRANSFORMER - UTILITY POLE W/ LIGHT ELECTRIC BOX ELECTRIC TRANSFORMER ELECTRIC MANHOLE OR VAULT TRAFFIC SIGN TELEPHONE JUNCTION BOX TELEPHONE MANHOLE/VAULT TELEPHONE POLE GAS VALVE BOX CABLE TV JUNCTION BOX CABLE TV MANHOLE/VAULT MAIL BOX BENCHMARK SOIL BORING UNDERGROUND TV CABLE ____ _ TV__ _ _ GAS MAIN FIBER OPTIC — - FO- - -UNDERGROUND TELEPHONE OVERHEAD ELECTRIC UNDERGROUND ELECTRIC ---E---O FIELD TILE — - -TILE - - - > SANITARY SEWER W/ SIZE

EXISTING

THE PROJECT REQUIRES AN IOWA NPDES PERMIT #2 AND CITY OF ANKENY GRADING PERMIT. CIVIL DESIGN ADVANTAGE WILL PROVIDE THE PERMITS AND THE INITIAL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE CONTRACTORS USE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING THE SWPPP THROUGHOUT CONSTRUCTION AND MEETING LOCAL, STATE AND FEDERAL REQUIREMENTS.

— — 15"ST — — -

____ -8"W----

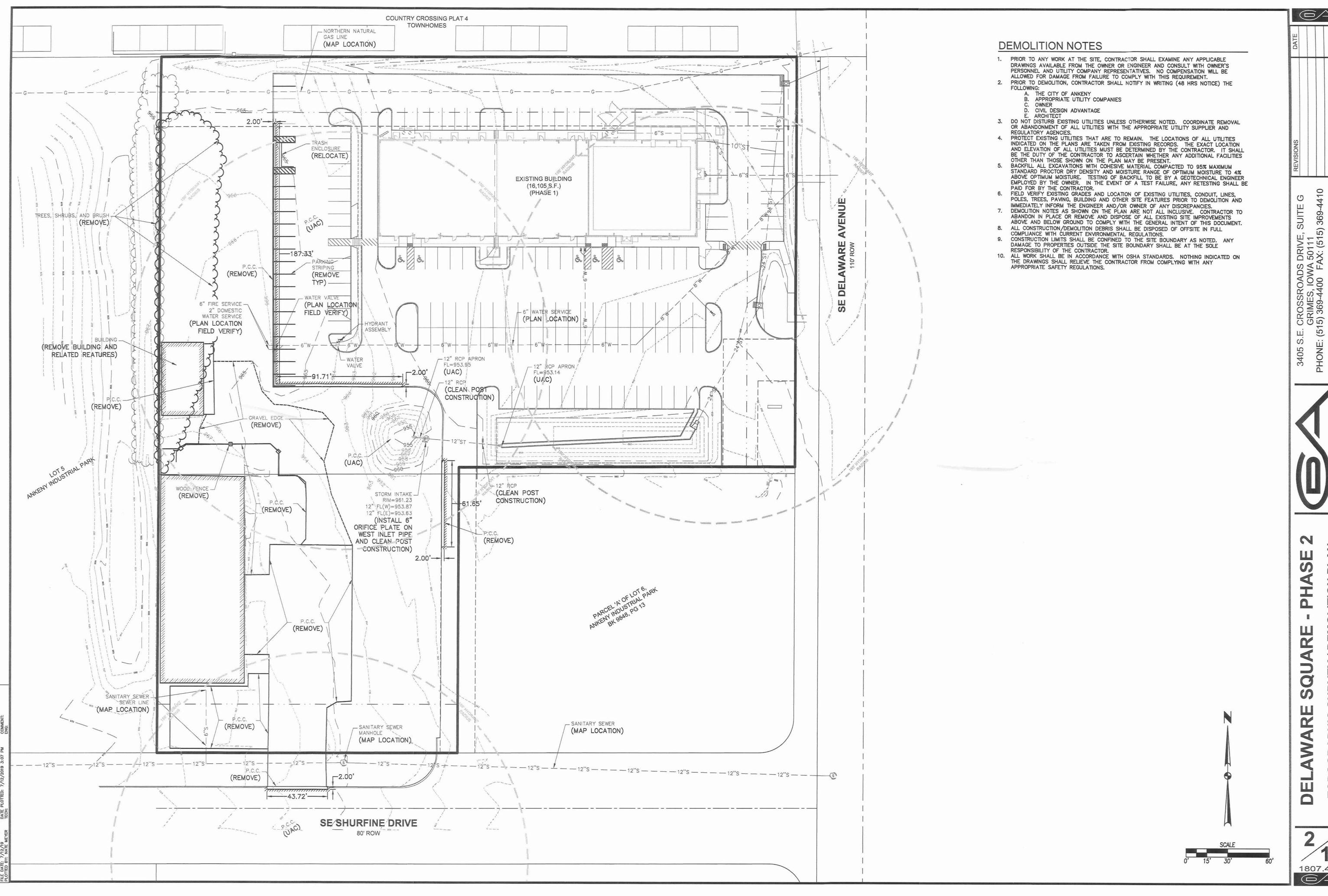
STORM SEWER W/ SIZE

WATER MAIN W/ SIZE

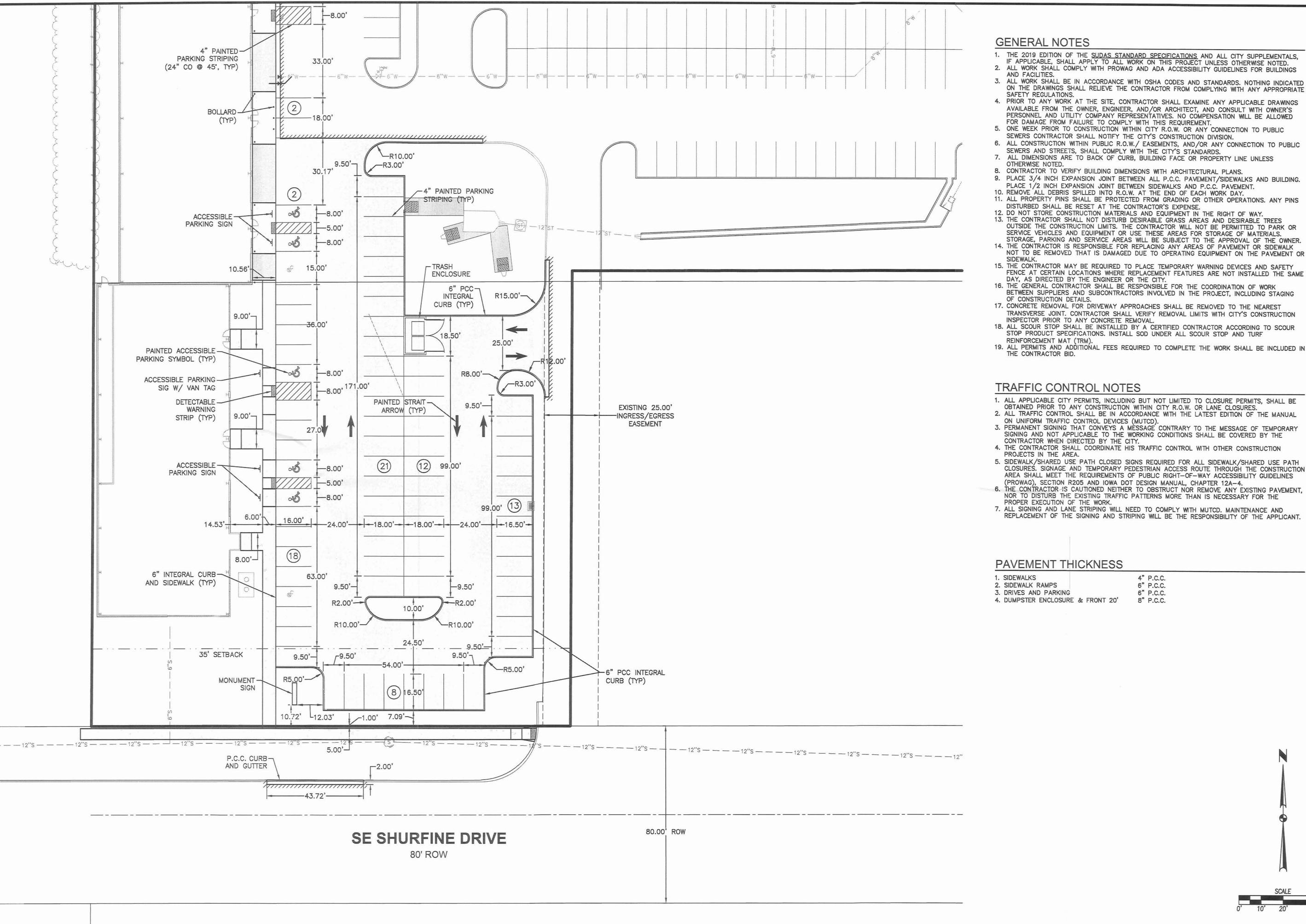
ALL CONSTRUCTION MATERIALS, DUMPSTERS, DETACHED TRAILERS OR SIMILAR ITEMS ARE PROHIBITED ON PUBLIC STREETS OR WITHIN THE PUBLIC R.O.W.

THE 2019 EDITION OF THE SUDAS STANDARD SPECIFICATIONS, THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) AND ALL CITY SUPPLEMENTALS, IF APPLICABLE, SHALL APPLY TO ALL WORK ON THIS PROJECT UNLESS OTHERWISE NOTED.

PRELIMINARY NOT FOR CONSTRUCTION



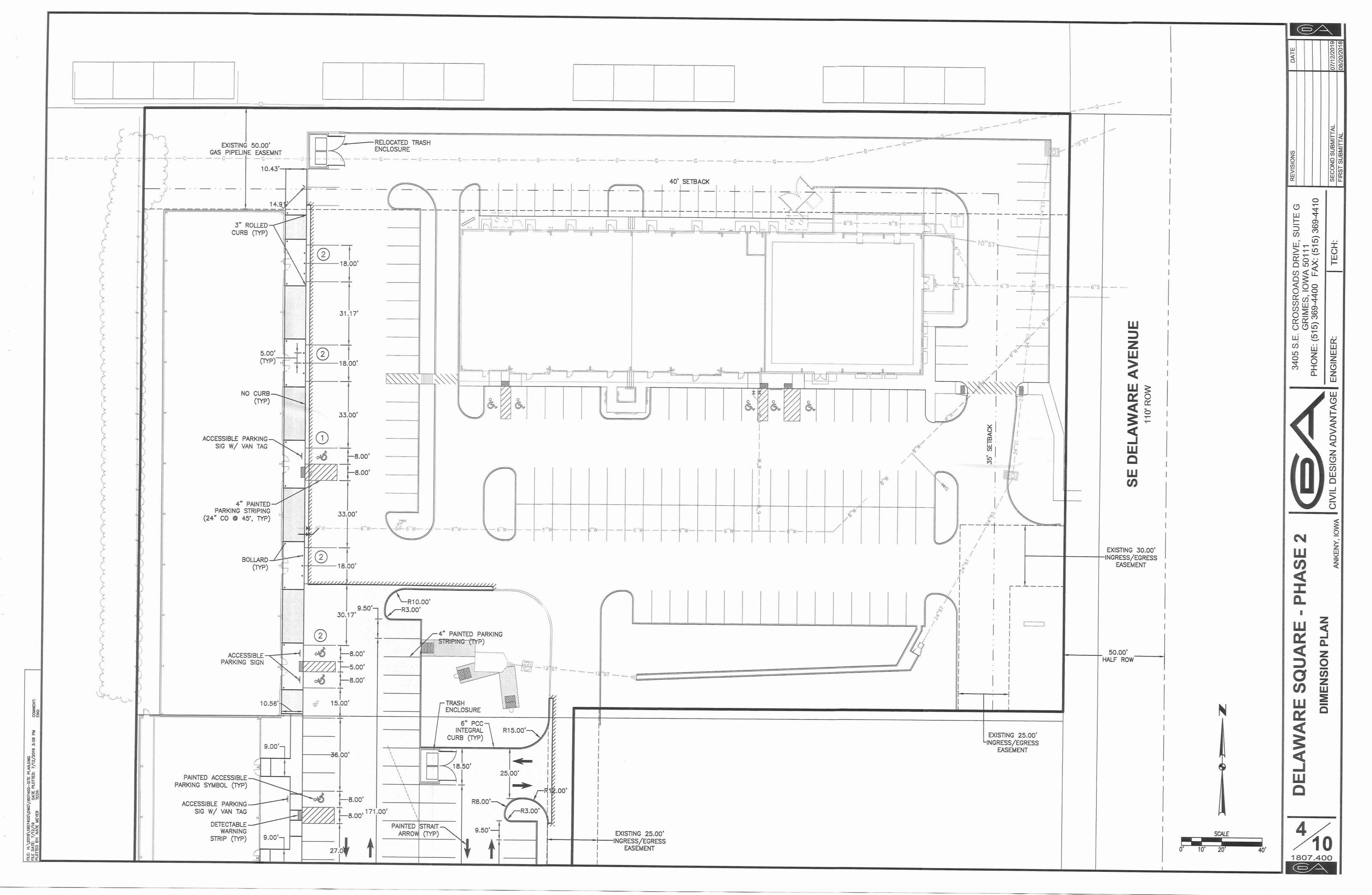
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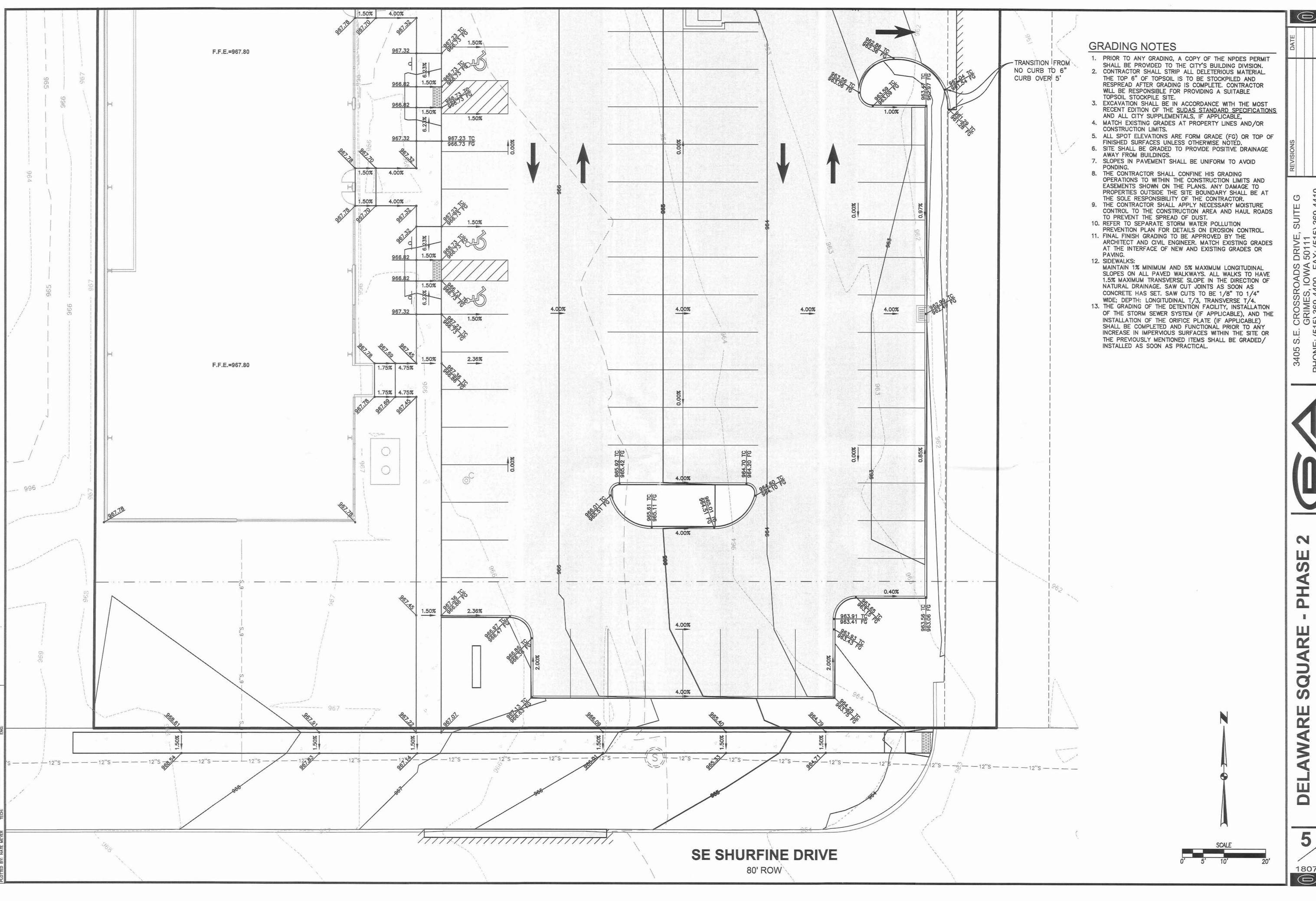


- THE 2019 EDITION OF THE <u>SUDAS STANDARD SPECIFICATIONS</u> AND ALL CITY SUPPLEMENTALS, IF APPLICABLE, SHALL APPLY TO ALL WORK ON THIS PROJECT UNLESS OTHERWISE NOTED.
- 2. ALL WORK SHALL COMPLY WITH PROWAG AND ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS
- ON THE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE
- 4. PRIOR TO ANY WORK AT THE SITE, CONTRACTOR SHALL EXAMINE ANY APPLICABLE DRAWINGS AVAILABLE FROM THE OWNER, ENGINEER, AND/OR ARCHITECT, AND CONSULT WITH OWNER'S PERSONNEL AND UTILITY COMPANY REPRESENTATIVES. NO COMPENSATION WILL BE ALLOWED
- 5. ONE WEEK PRIOR TO CONSTRUCTION WITHIN CITY R.O.W. OR ANY CONNECTION TO PUBLIC
- 6. ALL CONSTRUCTION WITHIN PUBLIC R.O.W./ EASEMENTS, AND/OR ANY CONNECTION TO PUBLIC
- 7. ALL DIMENSIONS ARE TO BACK OF CURB, BUILDING FACE OR PROPERTY LINE UNLESS

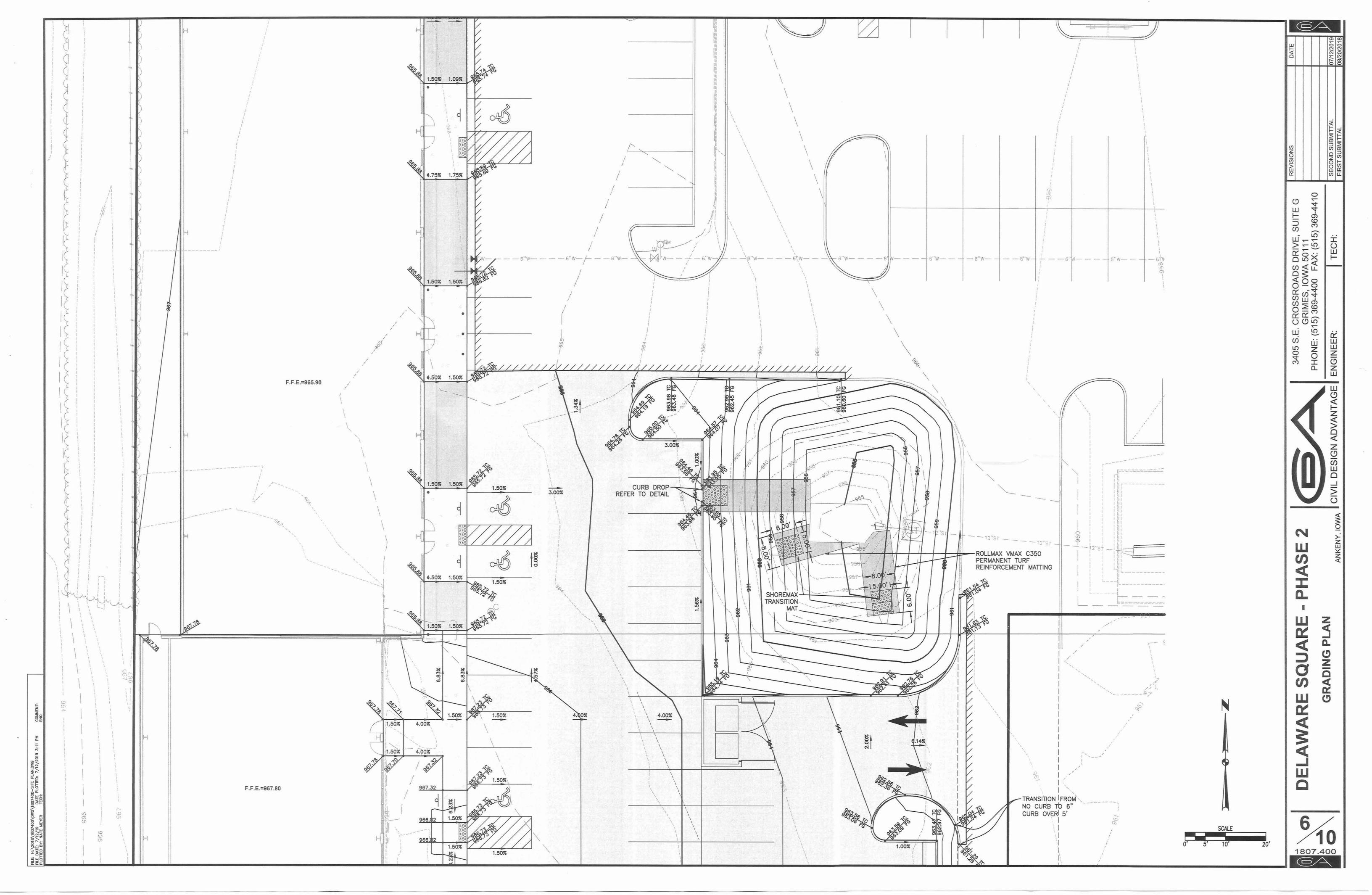
- 10. REMOVE ALL DEBRIS SPILLED INTO R.O.W. AT THE END OF EACH WORK DAY.
- 11. ALL PROPERTY PINS SHALL BE PROTECTED FROM GRADING OR OTHER OPERATIONS. ANY PINS
- 13. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS.
- NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR
- 15. THE CONTRACTOR MAY BE REQUIRED TO PLACE TEMPORARY WARNING DEVICES AND SAFETY FENCE AT CERTAIN LOCATIONS WHERE REPLACEMENT FEATURES ARE NOT INSTALLED THE SAME
- 16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK BETWEEN SUPPLIERS AND SUBCONTRACTORS INVOLVED IN THE PROJECT, INCLUDING STAGING
- 17. CONCRETE REMOVAL FOR DRIVEWAY APPROACHES SHALL BE REMOVED TO THE NEAREST TRANSVERSE JOINT. CONTRACTOR SHALL VERIFY REMOVAL LIMITS WITH CITY'S CONSTRUCTION
- 18. ALL SCOUR STOP SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR ACCORDING TO SCOUR STOP PRODUCT SPECIFICATIONS. INSTALL SOD UNDER ALL SCOUR STOP AND TURF
- 19. ALL PERMITS AND ADDITIONAL FEES REQUIRED TO COMPLETE THE WORK SHALL BE INCLUDED IN
- 1. ALL APPLICABLE CITY PERMITS, INCLUDING BUT NOT LIMITED TO CLOSURE PERMITS, SHALL BE
- 2. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL
- 3. PERMANENT SIGNING THAT CONVEYS A MESSAGE CONTRARY TO THE MESSAGE OF TEMPORARY SIGNING AND NOT APPLICABLE TO THE WORKING CONDITIONS SHALL BE COVERED BY THE
- 4. THE CONTRACTOR SHALL COORDINATE HIS TRAFFIC CONTROL WITH OTHER CONSTRUCTION
- 5. SIDEWALK/SHARED USE PATH CLOSED SIGNS REQUIRED FOR ALL SIDEWALK/SHARED USE PATH CLOSURES. SIGNAGE AND TEMPORARY PEDESTRIAN ACCESS ROUTE THROUGH THE CONSTRUCTION AREA SHALL MEET THE REQUIREMENTS OF PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES
- 6. THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IS NECESSARY FOR THE
- 7. ALL SIGNING AND LANE STRIPING WILL NEED TO COMPLY WITH MUTCH, MAINTENANCE AND REPLACEMENT OF THE SIGNING AND STRIPING WILL BE THE RESPONSIBILITY OF THE APPLICANT.

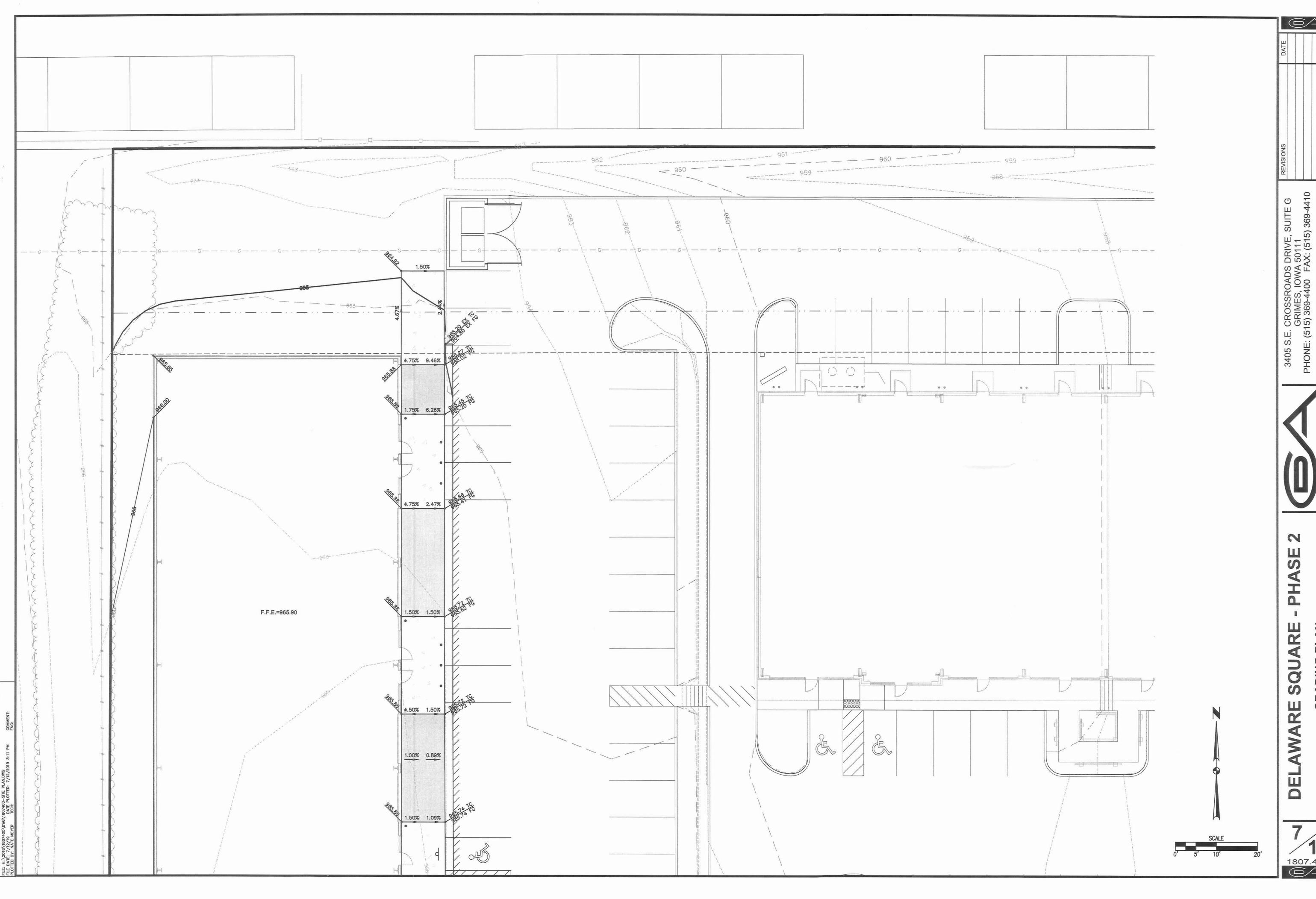
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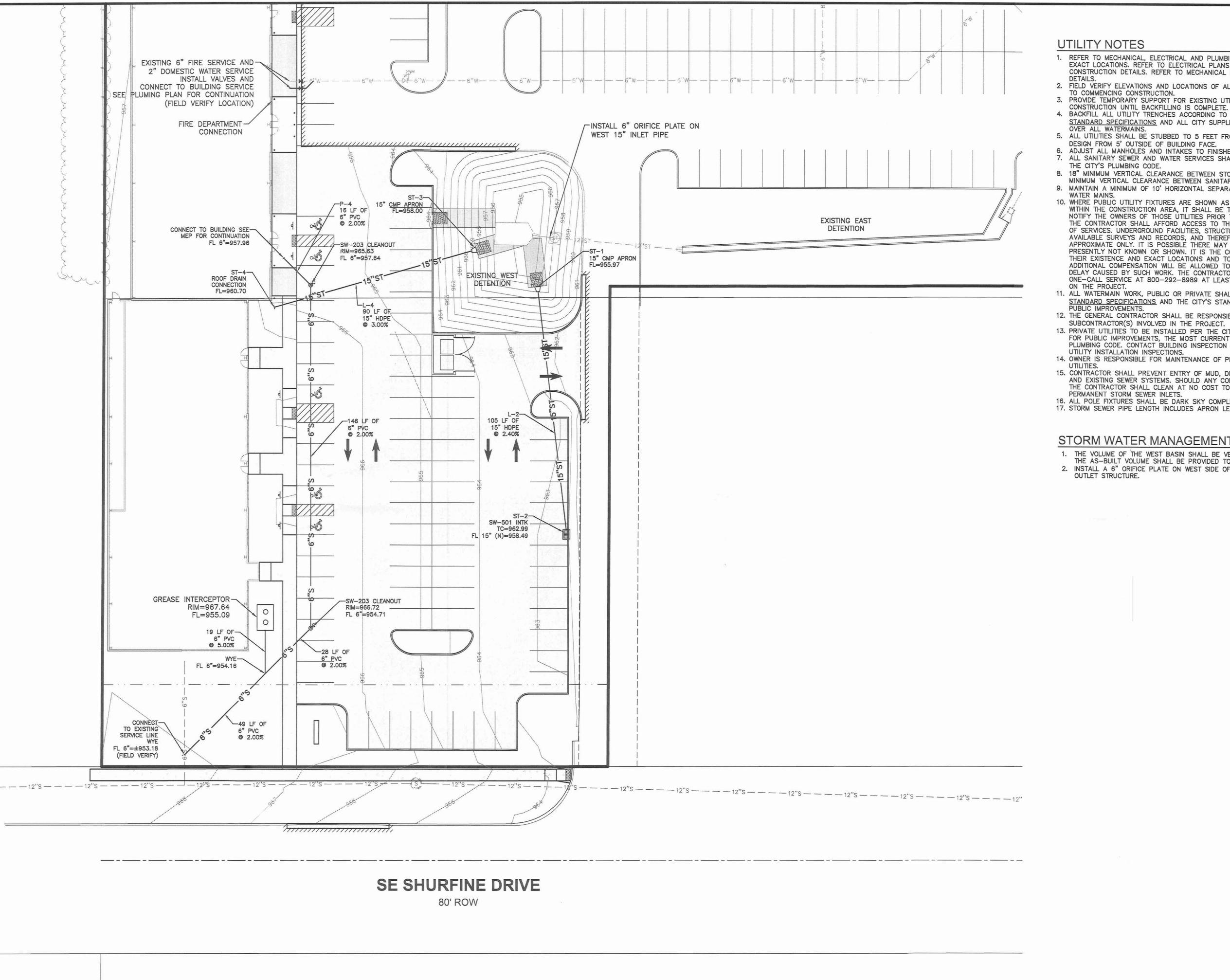


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UTILITY NOTES

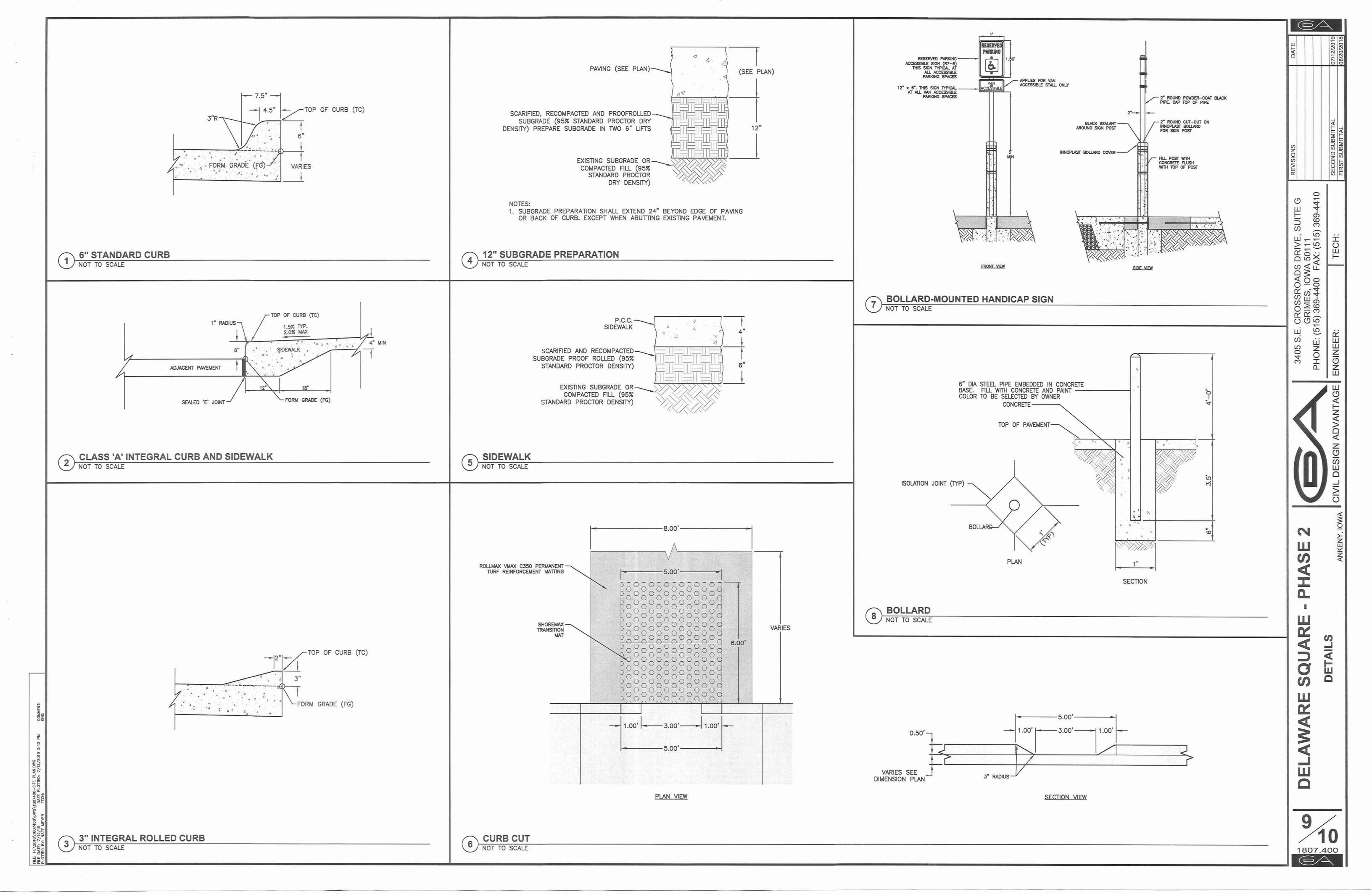
- 1. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR UTILITY SERVICE SIZES AND EXACT LOCATIONS. REFER TO ELECTRICAL PLANS FOR ELECTRIC AND TELEPHONE SERVICE CONSTRUCTION DETAILS. REFER TO MECHANICAL PLANS FOR GAS SERVICE CONSTRUCTION
- 2. FIELD VERIFY ELEVATIONS AND LOCATIONS OF ALL CONNECTIONS TO EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- 3. PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING
- 4. BACKFILL ALL UTILITY TRENCHES ACCORDING TO THE MOST RECENT EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY SUPPLEMENTALS. MAINTAIN A MINIMUM OF 5.5' COVER OVER ALL WATERMAINS.
- 5. ALL UTILITIES SHALL BE STUBBED TO 5 FEET FROM BUILDINGS. REFER TO MEP PLANS FOR
- DESIGN FROM 5' OUTSIDE OF BUILDING FACE. 6. ADJUST ALL MANHOLES AND INTAKES TO FINISHED GRADES.
- 7. ALL SANITARY SEWER AND WATER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY'S PLUMBING CODE.
- 8. 18" MINIMUM VERTICAL CLEARANCE BETWEEN STORM SEWER AND SANITARY SEWER PIPES. 18"
- MINIMUM VERTICAL CLEARANCE BETWEEN SANITARY SEWER AND WATER MAIN. 9. MAINTAIN A MINIMUM OF 10' HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND
- 10. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATIONS AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK. THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE-CALL SERVICE AT 800-292-8989 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE
- 11. ALL WATERMAIN WORK, PUBLIC OR PRIVATE SHALL BE DONE IN ACCORDANCE WITH SUDAS STANDARD SPECIFICATIONS AND THE CITY'S STANDARD CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
- 12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK OF ALL SUBCONTRACTOR(S) INVOLVED IN THE PROJECT.
- 13. PRIVATE UTILITIES TO BE INSTALLED PER THE CITY'S STANDARD CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, THE MOST CURRENT EDITION OF SUDAS AND THE 2012 UNIFORM PLUMBING CODE. CONTACT BUILDING INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE FOR UTILITY INSTALLATION INSPECTIONS.
- 14. OWNER IS RESPONSIBLE FOR MAINTENANCE OF PRIVATE RETENTION FACILITIES AND PRIVATE
- 15. CONTRACTOR SHALL PREVENT ENTRY OF MUD, DIRT, DEBRIS AND OTHER MATERIAL INTO NEW AND EXISTING SEWER SYSTEMS. SHOULD ANY CONTAMINATION OCCUR DURING CONSTRUCTION, THE CONTRACTOR SHALL CLEAN AT NO COST TO THE OWNER. INSTALL SILT FENCE AT ALL PERMANENT STORM SEWER INLETS.
- 16. ALL POLE FIXTURES SHALL BE DARK SKY COMPLIANT. 17. STORM SEWER PIPE LENGTH INCLUDES APRON LENGTH.

STORM WATER MANAGEMENT NOTES

- 1. THE VOLUME OF THE WEST BASIN SHALL BE VERIFIED POST CONSTRUCTION AND THE AS-BUILT VOLUME SHALL BE PROVIDED TO THE CITY OF ANKENY.
- 2. INSTALL A 6" ORIFICE PLATE ON WEST SIDE OF THE EXISTING DETENTION BASIN OUTLET STRUCTURE.

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LANDSCAPE NOTES

LOCATE ALL UTILITIES BEFORE ANY PLANTING BEGINS.
 THE MOST RECENT EDITION OF THE <u>SUDAS STANDARD SPECIFICATIONS</u> AND ALL CITY SUPPLEMENTALS, IF APPLICABLE, SHALL APPLY TO ALL WORK ON THIS PROJECT UNLESS OTHERWISE NOTED.

3. TYPE, SIZE, AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO THE MOST CURRENT

EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1

4. ALL PLANT MATERIAL SHALL BE HEALTHY SPECIMENS WITHOUT DEFORMITIES, VOIDS AND OPEN SPACES, WITH WELL DEVELOPED BRANCH AND ROOT SYSTEMS; TRUE TO HEIGHT, SHAPE AND CHARACTER OF GROWTH OF THE SPECIES OR VARIETY.

 SEED OR SOD ALL DISTURBED AREAS AS DIRECTED BY OWNER. COORDINATE SEEDING OF THE SHARED DETENTION AREA WITH THE PROPERTY OWNER TO THE SOUTH WITH A WATER TOLERANT SEED TO MINIMIZE MOWING.

6. BACKFILL TO TOP OF CURB. (MINUS 1 1/2" FOR SOD, IF REQUIRED.)

WEED PREVENTER (PRE-EMERGENT) SHALL BE SPREAD OVER SOIL AFTER PLANTING AND

BEFORE MULCHING IN ALL PLANTING BEDS PER MANUFACTURER'S RECOMMENDATIONS.

8. SHREDDED HARDWOOD MULCH SHALL BE PLACED AROUND ALL TREES, SHRUBS AND IN ALL PLANTING BEDS TO A (MIN) DEPTH OF 3".

 ALL EDGING SHALL BE SPADE CUT EDGE.
 PLANT QUANTITIES ARE SHOWN FOR INFORMATION ONLY, THE DRAWING SHALL PREVAIL IF ANY CONFLICTS ARISE.

11. ALL DEBRIS SPILLED IN THE PUBLIC RIGHT-OF-WAY SHALL BE PICKED UP BY THE CONTRACTOR AT THE END OF EACH WORK DAY.

12. CONTRACTOR SHALL WARRANTY ALL PLANT MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF INSTALLATION.

13. CONTRACTOR SHALL PROVIDE IRRIGATION DESIGN TO OWNER, IF REQUESTED, FOR APPROVAL.

SEEDBED PREPARATION

IN ORDER TO PROVIDE AN ADEQUATE GROWING MEDIUM, A MINIMUM OF 6 INCHES OF TOPSOIL SHOULD BE PLACED OVER THE DISTURBED AREA PRIOR TO SEEDING. DEEPER TOPSOIL DEPTHS (8–12 INCHES OR GREATER) ARE DESIRABLE AS THEY INCREASE THE ORGANIC MATTER AVAILABLE FOR USE BY THE PLANTS, ALLOW FOR DEEPER ROOT PENETRATION AND INCREASE THE MOISTURE HOLDING ABILITY OF THE SOIL. THESE BENEFITS WILL INCREASE THE DROUGHT TOLERANCE AND LONG—TERM HEALTH OF THE VEGETATION. WHERE SUFFICIENT TOPSOIL IS NOT AVAILABLE, COMPOSTED MATERIAL MAY BE INCORPORATED AT THE RATE OF 1 INCH OF COMPOST FOR EVERY 3 INCHES OF DEFICIENT TOPSOIL. THIS WILL INCREASE THE ORGANIC MATTER CONTENT OF THE SOIL, AND PROVIDE AN ADEQUATE GROWING MEDIUM FOR VEGETATION.

LANDSCAPE CALCULATIONS (PHASE 1)

OPEN SPACE REQUIREMENTS:

PHASE 1 AREA: =105,505 SF REQUIRED: 20% = 21,101 SF PROVIDED: 32% = 33,552 SF

OPEN SPACE PLANTING REQUIREMENTS:

REQUIRED OPEN SPACE = 21,054 SF

21,101 SF/3000 = 7 PLANT UNITS

REQUIRED: 2x7 TREES = 14 TREES

6x7 SHRUBS = 42 SHRUBS

EXISTING TREES: = 1.5
PROPOSED TREES: = 12.5
TOTAL PROVIDED: = 14 TREES
PROVIDED SHRUBS: = 46 SHRUBS

PAVEMENT SHADING REQUIREMENTS:

55,598 SF x 20% = 11,120 SF
REQUIRED: 11,120/706 = 16 TREES

EXISTING: = 1.5 TREES
PROPOSED: = 14.5 TREES
TOTAL PROVIDED: = 16 TREES

PLANT SCHEDULE (PHASE 1)

CODE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	COND
AM	10	AUTUMN FLAME MAPLE	ACER RUBRUM 'AUTUMN FLAME'	2" CAL.	B&B
HL	9	SHADEMASTER HONEYLOCUST	GLEDITSIA TRICANTHAS INFERMIS	2" CAL.	B&B
SC	6	SPRING SNOW CRAB	MALUS 'SPRING SNOW'	1.5' CAL.	B&B
CB	8	CRIMSON PYGMY BARBERRY	BERBERIS THUNBERGI CRIMSON PYGMY	3 GAL	CONT
BJ	28	BUFFALO JUNIPER	JUNIPEROUS SABINA 'BUFFALO'	3 GAL	CONT
BB	10	DWARF BURNING BUSH	EOUNYMOUS ALATA 'COMPACTA'	3 GAL	CONT
DY	9	DENSE TEW	CORUS ALBA 'BAILHALO'	3 GAL	CONT
SJ	21	SEA GREEN JUNIPER	JUNIPEROUS CHINENSIS 'SEA GREEEN'	3 GAL	CONT

SCREENING REQUIREMENTS

NORTH (R-3 DISTRICT)

REQUIRED:

ALL PARKING ADJOINING AN 'R' DISTRICT SHALL BE EFFECTIVLY SCREENED IN ACCORDANCE WITH THE STANDARD FOR AN OPAQUE SCREEN, TYPE "C".

PROVIDED:

EXISTING 6' CHAIN LINK FENCE WITH PRIVACY SLATS.

<u>PARKING</u>

REQUIRED:

ALL PARKING ADJOINING A STREET R.O.W. OR IS LOCATED WITHIN A FRONT YARD MUST BE EFFECTIVELY SCREENED WITH THE USE OF EARTH BERMS AND/OR LANDSCAPING TO A HEIGHT OF 30 INCHES.

ROVIDED:

A ROW OF SHRUBS WITH A MATURE HEIGHT OF 30+ INCHES.



IVIL DESIGN ADVANTAGE

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