Item 4a

CITY OF WEST DES MOINES STAFF REPORT COMMUNICATION

Meeting Date: June 13, 2022

ITEM: Fountain Terrace Apartments, 655 S 88th St – Approve Site Plan to allow construction of 146-unit apartment complex – Fountain Terrace Apartments, L.L.C., – SP-004903-2020

Resolution: Approval of Site Plan and Acceptance of Associated Legal Documents

Background: Erin Ollendike with Civil Design Advantage, on behalf of the applicant and property owner, Fountain Terrace Apartments, L.L.C., requests approval of the Site Plan for the approximately 8.56-acre property located at 655 S 88th Street. The applicant proposes the construction of four apartment buildings containing 146 dwellings plus a clubhouse with pool and associated site improvements.

Staff Review & Comment:

- *Financial Impact:* No City funding of the project. Staff time for processing of development application and inspections during construction.
- <u>History</u>: The subject was platted as Lot 2, Forret Acres Plat 1 which was approved by Dallas County in the mid-70's. The property previously contained one single-family dwelling which has since been removed in anticipation of development of the apartment complex.

Key Development Aspects:

- Interconnect to Adjoining Properties: Due to road geometry and the volume of traffic on some roadways which can limit the location and number of access drives, the city strives to ensure that adjoining developments are connected by vehicle drives. This interconnection allows for vehicles from one development to cross another for the purposes of getting to a surrounding public street. This development is connected to the Lift at Jordan Creek (fka Elevate at Jordan Creek) apartment complex on its west and south boundaries, and an approx. 4-acre parcel to the north. With the development of the Lift at Jordan Creek complex, Ingress-Egress Easements were established that would allow this property to cross that complex to reach either S 91st Street or Cascade Ave. As part of this development, the developer is establishing a reciprocal Ingress-Egress Easement that will allow tenants and visitors of the Lift complex to cross this property to reach S 88th Street, as well as allow the property to the north to connect to an internal drive allowing that property also to reach S 88th Street.
- Retaining Walls: The site contains several retaining walls with some portions reaching eight feet (8') of visible wall face. City code provides the following: No single wall face shall be greater than six feet (6') in height without terraces to break up the wall expanse. A minimum one foot (1') of terrace shall be used for each two feet (2') of wall height. Each terrace shall contain vegetation. Additionally, any walls over four feet (4') in height are required to be designed by a Structural Engineer. The design of the walls themselves has yet to occur; however, during the review and comment process the applicant acknowledged these requirements. Staff recommends a condition of approval including reinforcement of the regulation of a maximum six-foot (6') wall face, requiring the locating of a barrier (vegetation or guardrails) at the top of significant drops and submittal of wall plans prior to the issuance of the occupancy for the last building in phase one (buildings 3000, 2000, and 5000, constructed in this order) or issuance of the building permit for the building 4000.

- Easements & Agreements: As indicated above, the subject parcel was created with a 1970's final plat while still in unincorporated Dallas County. Since this was a county plat and development of the site unknown, the easements and agreements typical acquired as part of the final plat process were not granted. As part of this site plan process the applicant has provided, and the City Council will be accepting the following:
 - Sanitary Sewer Easement
 - Permanent Pedestrian Easement providing for public use of portion of sidewalk located on private property near the southeast corner of the site.
 - Ingress-Egress Easement allowing for vehicles from the adjoining Lift at Jordan Creek apartment complex, as well as the Marilyn Mueller property immediately to the north (Lot 1, Forret Acres Plat 1) to cross the property to cross through the property to reach S 88th Street.
 - Storm Water Management Facility Maintenance Covenant and Permanent Easement Agreement
 - Parkland Dedication Agreement

Additionally, the applicant provided West Des Moines Water Works Permanent Public Easement and Right of Way for Water Main.

• The site plan for the proposed development was provided to Marilyn Mueller, property owner of the single-family home immediately to the north. Her comments and questions were communicated to the developer and the developer's responses provided back. No additional comments have been received. Staff would note, to minimize light encroachment onto the Mueller property, the lighting consultant has incorporated shields on the light fixtures along the drive aisle that will connect to her property.

• <u>Developer Responsibilities</u>:

- The city undertook the reconstruction of the Mills Civic Parkway and S 88th Street intersection, including approximately ¼ mile of the roadways in each direction from the intersection. The property owners adjacent to these improvements were responsible for a portion of the costs. This property's share of the costs amounted to approximately \$94,500.00 which was paid by the developer in October 2021.
- Driveway Connection: As explained above, driveway connections between the subject property and adjoining properties are required to allow residents to get to various surrounding public roadways. The developer has planned for a drive connection to the property to the north; however, the full length of the drive cannot be constructed at this time due to grading that would need to occur on the adjoining property. The developer has been made aware that at such time that the adjoining property develops, and a drive connection is desired, they will need to participate in the extension of the drive to the subject's north property line. This is provided for in the Ingress-Egress Easement that the developer has provided.

Conditions of Approval:

• Storm Water Management Facilities: As is customary with plats and site plans, the developer is required to have prepared a Storm Water Management Plan which details storm water detention facilities to be constructed within the property. In conjunction with this plan the property owner also provides an agreement for the on-going maintenance of the facilities, as built plans and certifications confirming the detention facilities were constructed as detailed in the Storm Water Management Plan. The agreement is executed in conjunction with the final plat or site plan; however, the as built plans and certifications cannot be provided until the detention facilities have been constructed. It is

standard practice to include a condition of approval requiring these be provided prior to occupancy.

- Traffic Impact Study Findings: The November 25, 2020, Traffic Impact Study for the proposed development indicates that the development will generate slightly less traffic than previously assumed. The study revealed that an earlier site layout indicated an inadequate eastbound left-turn lane with about 50' of storage behind the sidewalk crossing at the site's proposed access on S 88th Street. The projected left-turn queue during the peak hours of full-build is approximately 100', which would block the eastbound thru/right lane at times. This will occur more frequently as cross-traffic on S 88th Street increases and if the intersection is signalized in the future. To minimize the frequency of the thru/right lane being blocked, the study recommended extending the 3-lane section farther west to have at least 100' of storage behind the sidewalk (space for about 4 stacked vehicles). The 100' is now being provided.
- Vesting of Entitlement: Per City Code, entitlement (approval to construct or implement) shall remain in effect so long as substantial site work has progressed beyond grading and completion of structural foundations and twenty-five percent (25%) of the total building area has occurred above grade within twenty-four (24) months of the effective date of the approval, unless a greater time period is authorized at time of the original entitlement, or by approval of an extension of the original entitlement. It is the responsibility of the developer to be aware of this deadline and request an extension of the approval prior to the expiration date.

Outstanding Issues: There are no outstanding issues.

Plan and Zoning Commission Action:

Date:

Vote:

Recommendation:

Recommendation: Approve the Site Plan request, subject to the applicant meeting all City Code requirements, and the following conditions of approval:

- 1. The applicant acknowledging and agreeing that no retaining wall face shall exceed six feet (6') in height, that the proper barrier shall be placed at the top of walls which have more than a 30" drop and to provide to the Building Division plans prepared by a licensed structural engineer for any retaining walls which are four feet (4') or greater in height. Said plans shall be provided, reviewed and approved prior to issuance of a building permit for the last dwelling building permitted for construction, or prior to construction of the walls, or prior to issuance of an occupancy permit for any dwelling in the 3rd building constructed (phase one), whichever occurs first.
- 2. The applicant providing storm water detention facility as built plans and certifications prior to issuance of an occupancy permit, including temporary occupancy for any dwelling in the last building permitted for construction.
- 3. Applicant acknowledging and agreeing that in order to occupy buildings prior to complete build out of the site, all site improvements, including pavement and ADA markings, sidewalks, buffers, landscaping and lawns associated with the buildings to be occupied will need to be completed.
- 4. The applicant acknowledging and agreeing that all mechanical equipment within the site will be visually screened to staff's satisfaction prior to issuance of any occupancy permits, including temporary occupancy for any dwelling within the last building permitted for construction.
- 5. The applicant acknowledging and agreeing that improvements agreed upon to fulfill Parkland Dedication requirements shall be installed and approved by the Parks & Recreation Department

- prior to issuance of any occupancy permits, including temporary occupancy for any dwelling within the last building permitted for construction.
- 6. The applicant acknowledging and agreeing that the proper Sign Permit Application will be submitted and approved prior to installation of any development identification signage.

Lead Staff Member: Lynne Twedt **Approval Meeting Dates:** Plan and Zoning Commission June 13, 2022 City Council **Staff Report Reviews:** Plan & Zoning □ Development Coordinator (or) Commission □ Director City Council ☐ Legal Department ☐ Director ☐ Agenda Acceptance ☐ Appropriations/Finance Publications (if applicable) **Council Subcommittee Review (if applicable)** Des Moines Register Published In: Subcommittee Development & Planning Community Section Date(s) n/a Date Reviewed 5/3/2021 Published Date(s) of n/a Recommendation ☐ Yes □ No ☐ Split

Mailed Notices

Location Map



A RESOLUTION OF THE PLAN AND ZONING COMMISSION NO. PZC-22-043

WHEREAS, pursuant to the provisions of Title 9, Zoning of the West Des Moines Municipal Code, the applicant and property owner, Fountain Terrace Apartments, L.L.C., request approval of the Site Plan for the approximately 8.56-acre property located at 655 S 88th Street as depicted on the location map included in the staff report. The applicant requests approval to construct four apartment buildings containing 146 dwellings, a clubhouse with pool and associated site improvements; and

WHEREAS, the Site Plan request complies with the findings stated in the applicable provisions of Title 9, the Comprehensive Plan and City Code.

NOW THEREFORE, the Plan and Zoning Commission of the City of West Des Moines recommends the City Council approve the Site Plan (SP-004903-2020), subject to compliance with all the conditions of approval as stated in the staff report, including conditions added at the meeting, and attached hereto as Exhibit "A", if applicable.

PASSED AND ADOPTED on June 13, 2022.

Recording Secretary

	Jennifer Drake, Chair Plan and Zoning Commission
I HEREBY CERTIFY that the foregoing resolution Commission of the City of West Des Moines, Iowa, the following vote:	, ,
AYES:	
NAYS:	
ABSTENTIONS:	
ABSENT:	
ATTEST.	

Prepared Lynne Twedt, City of West Des Moines Development Services Dept., PO Box 65320, West Des Moines, Iowa by: 50265-0320 515-222-3620

When Recorded, Return City Clerk, City of West Des Moines, PO Box 65320, West Des Moines, IA 50265-0320

to:

RESOLUTION

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, APPROVING A SITE PLAN TO ALLOW CONSTRUCTION OF FOUR APARTMENT BUILDINGS AND A CLUBHOUSE BUILDING

WHEREAS, pursuant to the provisions of Title 9, Zoning, of the West Des Moines Municipal Code, the applicant and property owner, Fountain Terrace Apartments, L.L.C., requests approval of a Site Plan for that property located at 655 S 88th Street and legally described in attached Exhibit 'B' for the purpose of constructing four apartment buildings containing 146 dwellings, a clubhouse with pool and associated site improvements; and

WHEREAS, studies and investigations were made, and staff reports, and recommendations were submitted which is made a part of this record and herein incorporated by reference; and

WHEREAS, the Site Plan complies with findings stated in the applicable provisions of Title 9, Chapter 1, Subsection 8, the Comprehensive Plan and City Code.

WHEREAS, on June 13, 2022, the Plan and Zoning Commission recommended to the City Council, by a X-X vote, for approval of the Site Plan; and

WHEREAS, on this day the City Council held a duly noticed meeting to consider the application for the Site Plan.

WHEREAS, the City Council is accepting a Sanitary Sewer Easement, Permanent Pedestrian Easement, Ingress-Egress Easements, Storm Water Management Facility Maintenance Covenant and Permanent Easement Agreement, and Parkland Dedication Agreement.

NOW, THEREFORE, The City Council does approve the Fountain Terrace Apartments Site Plan (SP-004903-2020), subject to compliance with all of the conditions of approval, including any conditions added at the meeting, attached hereto as Exhibit "A". Violation of any such conditions shall be grounds for revocation of the permit, as well as any other remedy which is available to the City.

PASSED AND ADOPTED on Jur	ne 20, 2022.		
Russ Trimble, Mayor	_		
ATTEST:			
Ryan Jacobson, City Clerk	_		

I HEREBY CERTIFY that the foregoing resolution was duly adopted by the City Council of the City of West Des Moines, Iowa, at a regular meeting held on June 20, 2022, by the following vote.

Exhibit A: Conditions of Approval

- 1. The applicant acknowledging and agreeing that no retaining wall face shall exceed six feet (6') in height, that the proper barrier shall be placed at the top of walls which have more than a 30" drop and to provide to the Building Division plans prepared by a licensed structural engineer for any retaining walls which are four feet (4') or greater in height. Said plans shall be provided, reviewed and approved prior to issuance of a building permit for the last dwelling building permitted for construction, or prior to construction of the walls, or prior to issuance of an occupancy permit for any dwelling in the 3rd building constructed (phase one), whichever occurs first.
- 2. The applicant providing storm water detention facility as built plans and certifications prior to issuance of an occupancy permit, including temporary occupancy for any dwelling in the last building permitted for construction.
- 3. Applicant acknowledging and agreeing that in order to occupy buildings prior to complete build out of the site, all site improvements, including pavement and ADA markings, sidewalks, buffers, landscaping and lawns associated with the buildings to be occupied will need to be completed.
- 4. The applicant acknowledging and agreeing that all mechanical equipment within the site will be visually screened to staff's satisfaction prior to issuance of any occupancy permits, including temporary occupancy for any dwelling within the last building permitted for construction.
- 5. The applicant acknowledging and agreeing that improvements agreed upon to fulfill Parkland Dedication requirements shall be installed and approved by the Parks & Recreation Department prior to issuance of any occupancy permits, including temporary occupancy for any dwelling within the last building permitted for construction.
- 6. The applicant acknowledging and agreeing that the proper Sign Permit Application will be submitted and approved prior to installation of any development identification signage.

Exhibit B: Legal Description

Lot 2 of Forret Acres Plat 1, an Official Plat, now included in and forming a part of the City of West Des Moines, Dallas County, Iowa, except land deeded to the City of West Des Moines in Book 2019, Page 3469

NOT TO SCALE



OWNER / APPLICANT

FOUNTAIN TERRACE APARTMENTS, LLC CONTACT: JOHN LARSON 5721 MERLE HAY ROAD, STE. #20 JOHNSTON, IOWA 50131

ENGINEER

CIVIL DESIGN ADVANTAGE, LLC CONTACT: ERIN OLLENDIKE 3405 SE CROSSROADS DRIVE, SUITE G GRIMES, IOWA 50111 PH. (S15) 369-4400 FX. (S15) 369-4410

SURVEYOR

CIVIL DESIGN ADVANTAGE, LLC CONTACT: MIKE BROONER 3405 SE CROSSROADS DRIVE, SUITE G GRIMES, IOWA 50111 PH. (515) 369-4400 PX. (515) 369-4410

ARCHITECT

ALLER DESIGN GROUP CONTACT: TED KARNES 1840 NW 1181H STREET, SUITE 220 CLIVE, 10WA 50325 PH. (515) 254-1181

BENCHMARKS

WM BENCHMARK NO 35 INTERSECTION OF MILLS CIVIC PARKWAY (335th STREET, DALLAS COUNTY), AND SOUTH 88th STREET (A VAPHUE, DALLAS COUNTY), NORTHEAST CORNER OF INTERSECTION, 206 FEET EAST OF CENTERLINE OF 88th STREET, 49 FEET NORTH OF THE CENTERLINE OF MILLS CIVIC PARKWAY, 2 FEET SOUTH OF THE FENCE LINE.

ELEVATION= 219.04 (WEST DES MOINES DATUM)

WOM BENCHMARK NO 37 SOUTH 88TH STREET, 2,640± FEET SOUTH OF MILLS CINC PARKWAY, 32 FEET EAST OF THE CENTERLINE OF SOUTH 88TH STREET (X AVENUE, DALLAS COUNTY), ON THE FENCE LINE TO THE WEST (X SECTION LINE), 1 FOOT WEST OF THE NORTH/SOUTH FENCE LINE ELEVATION= 194.80 (WEST DES MOINES DATUM)

DATE OF SURVEY

SUBMITTAL DATES

-SITE PLAN SUBMITTAL TO CITY #1:
-SITE PLAN SUBMITTAL TO CITY #2:
-SITE PLAN SUBMITTAL TO CITY #3:
-SITE PLAN SUBMITTAL TO CITY #5:
-SITE PLAN SUBMITTAL TO CITY #5:
-FINAL SITE PLAN SUBMITTAL; 10/21/2020 01/06/2021 03/15/2021 05/21/2021 09/20/2021 10/04/2021 LEGAL DESCRIPTION

LOT 2 OF FORRET ACRES PLAT 1, AN OFFICIAL PLAT, NOW INCLUDED IN AND FORMING A PART OF THE CITY OF WEST DES MOINES, DALLAS COUNTY, IOWA, EXCEPT LAND DEEDED TO THE CITY OF WEST DES MOINES IN BOOK 2019, PAGE 3469. SUBJECT TO COVENANTS AND EASEMENTS OF RECORD, IF ANY

PROJECT SITE ADDRESS

655 S. 88TH STREET

ZONING

RH (RESIDENTIAL HIGH DENSITY DISTRICT)

COMPREHENSIVE PLAN LAND USE

EXISTING: HD-HIGH DENSITY RESIDENTIAL PROPOSED: HD-HIGH DENSITY RESIDENTIAL

DEVELOPMENT SUMMARY

AREA: 8.56 ACRES (372,743 SF)

CLUBHOUSE:

- 35' PERIMETER SETBACK ON ALL SIDES

- 30' BUILDING SEPARATION TO ANY BUILDING OVER 1,500 SF

SETBACKS (3-STORY OR GREATER):

- FRONT: 80'
- FEAR: 35'
- SIDE: 35'
- 30' BUILDING SEPARATION BETWEEN BUILDINGS 1,500 SF' OR GREATER

SETBACKS (DETACHED ACCESSORY STRUCTURES):

FRONT: REAR: SIDE:

OPEN SPACE REQUIRED:

MAXIMUM UNITS / AC: 18.0 (154 UNITS) TOTAL UNITS: 146 UNITS (17.06 UNITS/ AC.)

PARKING SUMMARY

= 1.75 SPACES = 1 PER 10 UNITS

REQUIRED.

146 UNITS = 256 SPACE
CLUBHOUSE (1/50 SF) = 50 SPACES (2,500 SF)

1/10 VISITOR SPACES = 15 SPACES

PROVIDED

= 321 SPACES (*65 GARAGE SPACES) (278 SURFACE SPACES) *67% OF GARAGE SPACES MAY COUNT TOWARD THE PARKING REQUIREMENT.

PHASE 1 REQUIRED
86 UNITS =
CLUBHOUSE (1/ 50 SF) = = 151 SPACES = 50 SPACES

1/10 VISITOR SPACES PROVIDED = 210 SPACES

PHASE 2 REQUIRED
60 UNITS
1/10 VISITOR SPACES
TOTAL = 6 SPACES = 111 SPACES

PROVIDED = 111 SPACES **IMPERVIOUS AREA**

CONSTRUCTION SCHEDULE

ANTICIPATED START DATE = FALL 2021 ANTICIPATED FINISH DATE = FALL 2022

INDEX OF SHEETS

1.0 COVER SHEET SITE LAYOUT / FASEMENT & 2.1 PHASING PLAN 3.0-3.1 DIMENSION PLAN 4.0-4.2 GRADING PLAN

5.0 FROSION AND SEDIMENT CONTROL PLAN

7.0-7.2 DETAILS

8.0 INTERSECTION DETAIL 9.0-9.2 LANDSCAPE PLAN

©IOWA

ONE CALL 1-800-292-8989

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, ETHER IN SERVICE OR ABANDONED. THE SURVEYOR PURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION SHOWN.



CIVIL DESIGN ADVANTAGE

3405 SE CROSSROADS DR. SUITE G, GRIMES, IOWA 50111 PH: (515) 369-4400 Fax: (515) 369-4410 PROJECT NO. 2006.272

GENERAL LEGEND PROPOSED PROJECT BOUNDARY SECTION LINE _____ CENTER LINE PERMANENT FASEMENT TEMPORARY EASEMENT TYPE SW-503 STORM INTAKE TYPE SW-505 STORM INTAKE TYPE SW-506 STORM INTAKE TYPE SW-513 STORM INTAKE 6 TYPE SW-402 STORM MANHOLE TYPE SW-301 SANITARY MANHOLE WATER VALVE FIRE HYDRANT ASSEMBLY DETECTABLE WARNING PANEL STORM SEWER STRUCTURE NO. STORM SEWER PIPE NO (L-10) SANITARY SEWER STRUCTURE NO. P-10 SANITARY SEWER WITH SIZE SANITARY SERVICE STORM SEWER

STORM SERVICE

WATER SERVICE

SILT FENCE

SAWCUT (FULL DEPTH)

USE AS CONSTRUCTED

— a"s — ---- st ----- st ----—w—w— FIRE DEPARTMENT CONNECTION FDC (UAC)

__________ UNDERGROUND TELEPHONE OVERHEAD ELECTRIC UNDERGROUND ELECTRIC SANITARY SEWER W/ SIZE WATER MAIN W/ SIZE

------____15* RCP____ — a**w —

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4

EXISTING

WELL

SANITARY MANHOLE

WATER VALVE BOX

WATER CURB STOP

STORM SEWER MANHOLE

ELARED END SECTION

CONFEROUS TREE

DECIDUOUS SHRUB

CONIFEROUS SHRUE

GUY ANCHOR

STREET LIGHT

TRAFFIC SIGN

GAS VALVE BOX

MAIL BOX

BENCHMARK

SOIL BORING

GAS MAIN

FIBER OPTIC

FIELD TILE

UNDERGROUND

ELECTRIC POWER POLE

UTILITY POLE W/ LIGHT ELECTRIC BOX

ELECTRIC TRANSFORMER

ROOF DRAIN / DOWNSPOUT

STORM SEWER SINGLE INTAKE

STORM SEWER DOUBLE INTAKE

POWER POLE W/ TRANSFORMER

ELECTRIC MANHOLE OR VAULT

TELEPHONE JUNCTION BOX

CABLE TV JUNCTION BOX

CABLE TV MANHOLE/VAULT

TELEPHONE MANHOLE/VAULT TELEPHONE POLE

NOTES

1. EROSION CONTROL MEASURES WILL BE INSTALLED AND MONITORED BY: PEZZETI EROSION CONTROL, INC. CONTACT: LEFF PEZZETI PH. (615) 249-821.

2. UTILITIES TO BE INSTALLED PER SUDAS SPECIFICATIONS.

3. ALL CONSTRUCTION WHITHIN PUBLIC ROW/EASSMENTS, AND/OR ANY CONNECTION TO PUBLIC SEMERS AND STREETS, SHALL WITH THE MEST DES MOINES STANDARD CONSTRUCTION SPECIFICATIONS FOR SUBDIVISIONS AND DISM METRO DESIGN. STANDARDS. CONTACT MEST DES MOINES STANDARDS. TO STANDARDS.

5. ALL SIDEWIALK CROSS SLOPES SHALL NOT EXCEED 1.5%.

6. ALL LORGITUDINAL SIDEWIALK SLOPES SHALL NOT EXCEED 1.5%.

7. THE FOLLOWING SHALL BE MAINTAINED BY THE PROPERTY OWNER: A. DETENTION POON AND APPLICATION.

6. PRIVATE STORM SEWER.

C. PRIVATE STORM SEWER.

C. PRIVATE SANTARY SEWER.

8. PRIOR TO CONSTRUCTION OF ANY PUBLIC MIPROVEMENTS ASSOCIATED WITH THE SUBDIVISION, CONSTRUCTION PLANS FOR SAID CITY ENGINEER.

THE PROJECT REQUIRES AN IOWA NPDES PERMIT #2 AND CITY OF WEST DES MOINES GRADING PERMIT. CIVIL DESIGN ADVANTAGE WILL PROVIDE THE PERMITS AND THE INITIAL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE CONTRACTORS USE DURING CONSTRUCTION. HE CONTRACTORS USED LINE RESPONSIBLE FOR UPDATING THE SWPPP THORROFT MENTACTOR SHALL BE RESPONSIBLE FOR UPDATING THE SWPPP THORHOHOUT CONSTRUCTION AND MEETING LOCAL, STATE AND FEDERAL RECOVEREMENTS.

ALL CONSTRUCTION MATERIALS, DURIPSTERS, DEVIACHED TRAILERS OF SMALL RITTMS ARE PROHIBITED ON PUBLIC STREETS OR WITHIN THE PUBLIC R.O.W.

THE MOST RECENT EDITION OF THE WEST DES MOINES STANDARD CONSTRUCTION STANDARDS WITH THE WEST DES MOINES ADDENDA. AND THE WEST DES MOINES MATER WORKS GENERAL SUPPLIEMENTS, SPECIFICATIONS FOR WATER NORS GENERAL SUPPLIEMENTS, SPECIFICATIONS FOR WATER NORS CHEMAL APPLY TO ALL WORK ON THIS PROJECT UNLESS OTHERWISE NOTED.

THIS DESIGN SPECIFICALLY PREPARED FOR USE AT THE LOCATION SHOWN, USE IN ANY OTHER MAINER DUCKEDS THE INTENDED PURPOSE OF THESE DRAWNOS AND ANY ACCOMPANTING SPECIFICATIONS.

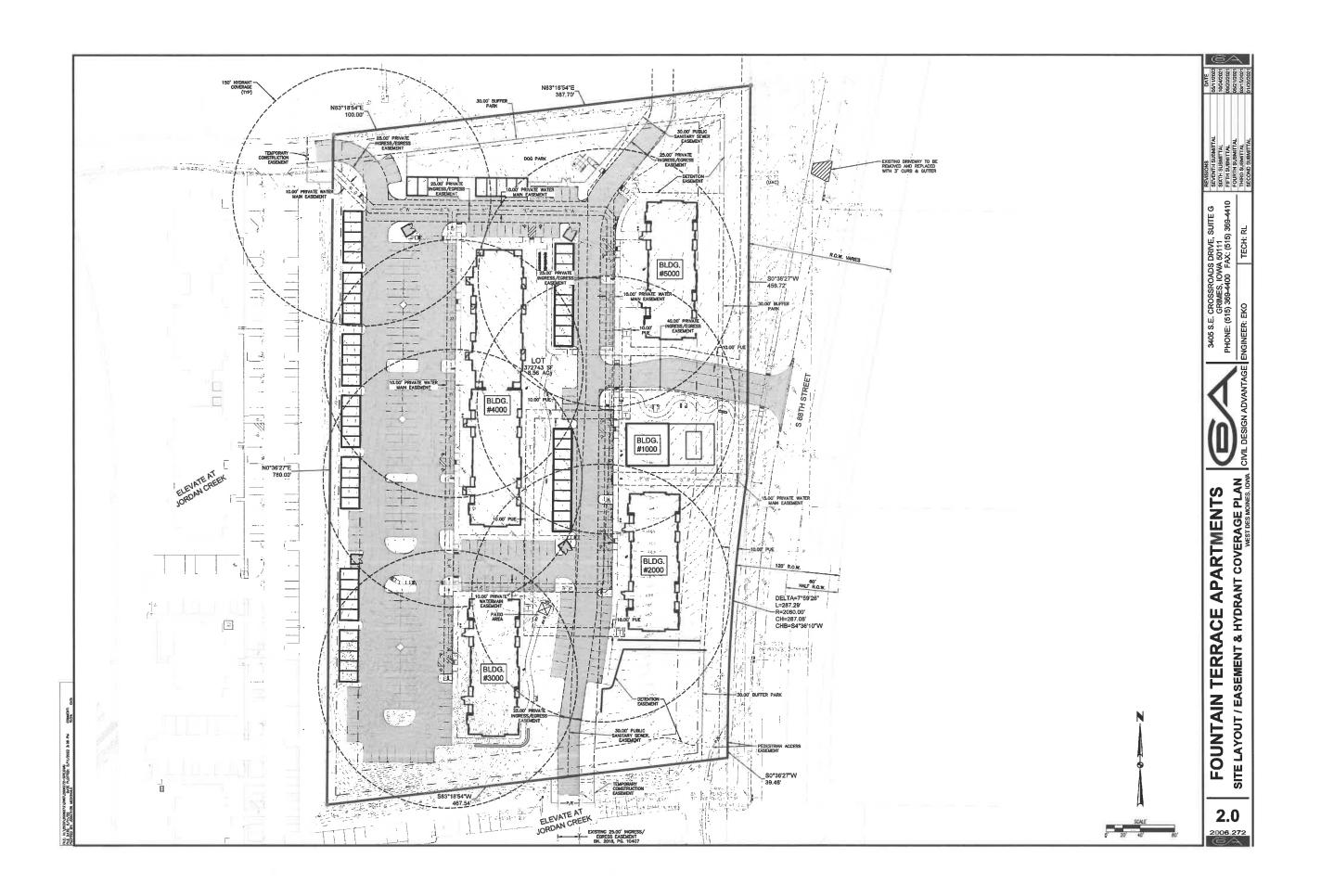


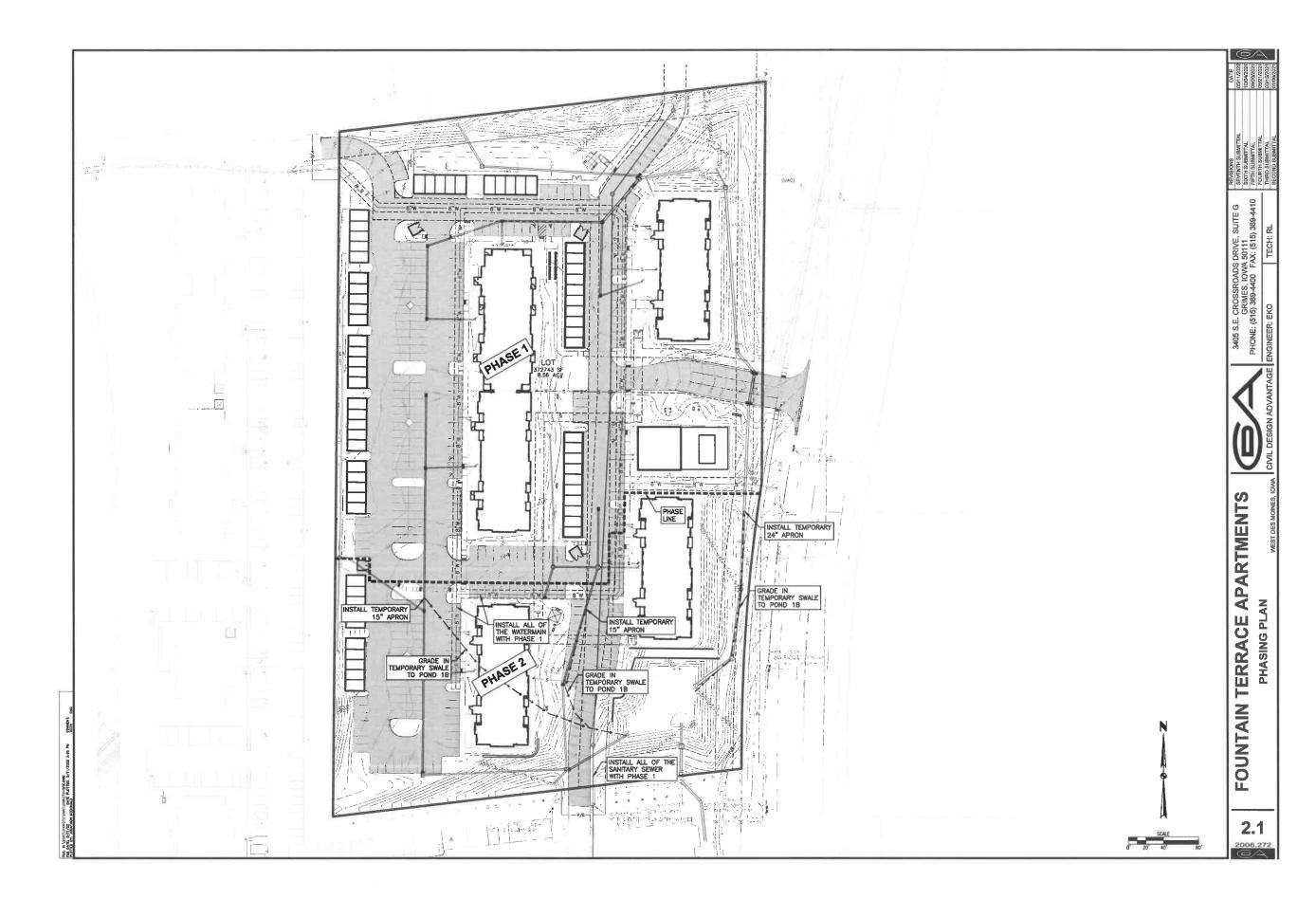
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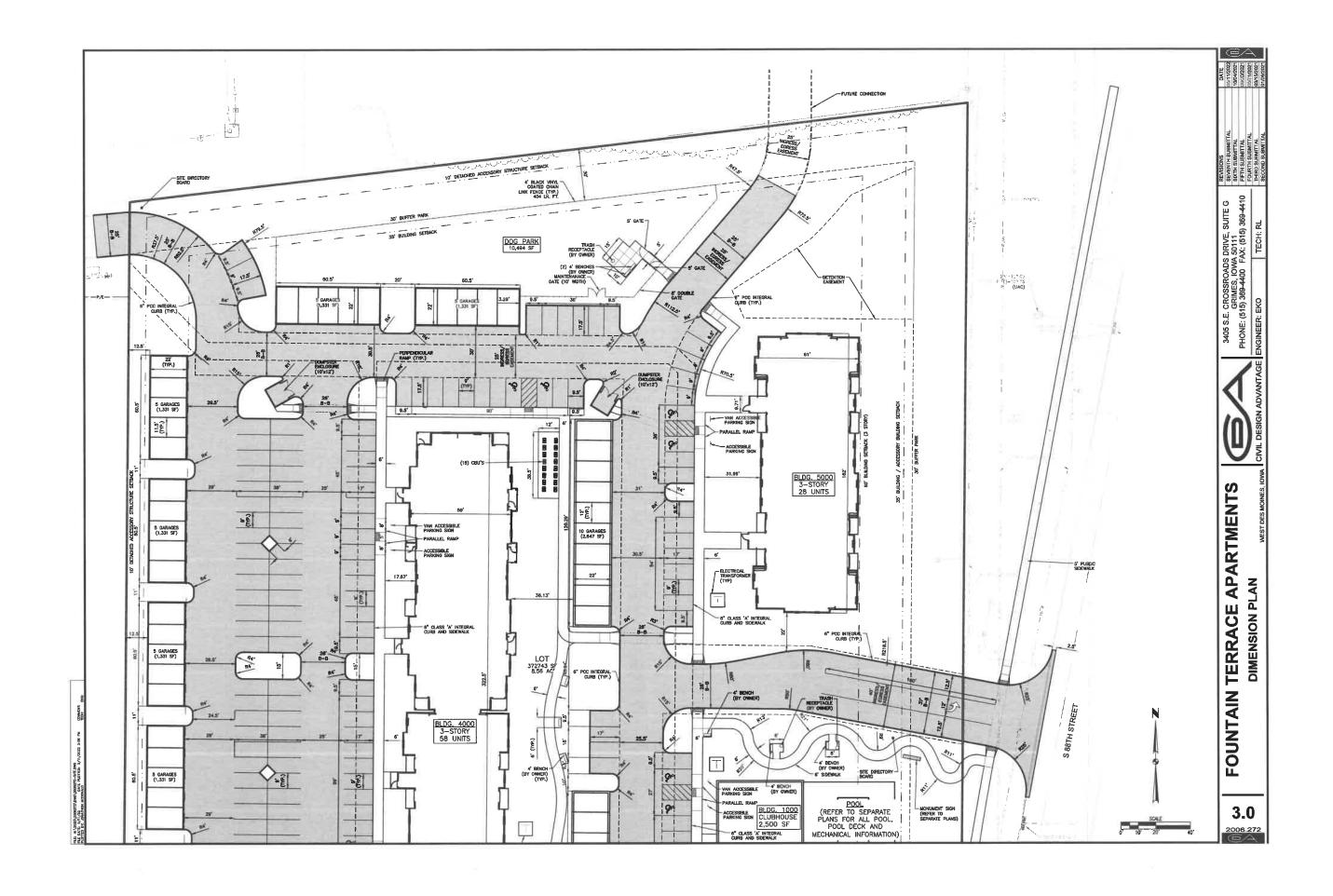
LICENSE NUMBER 16926 MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023 PAGES OR SHEETS COVERED BY THIS SEAL:

SHEETS 1.0 - 8.0

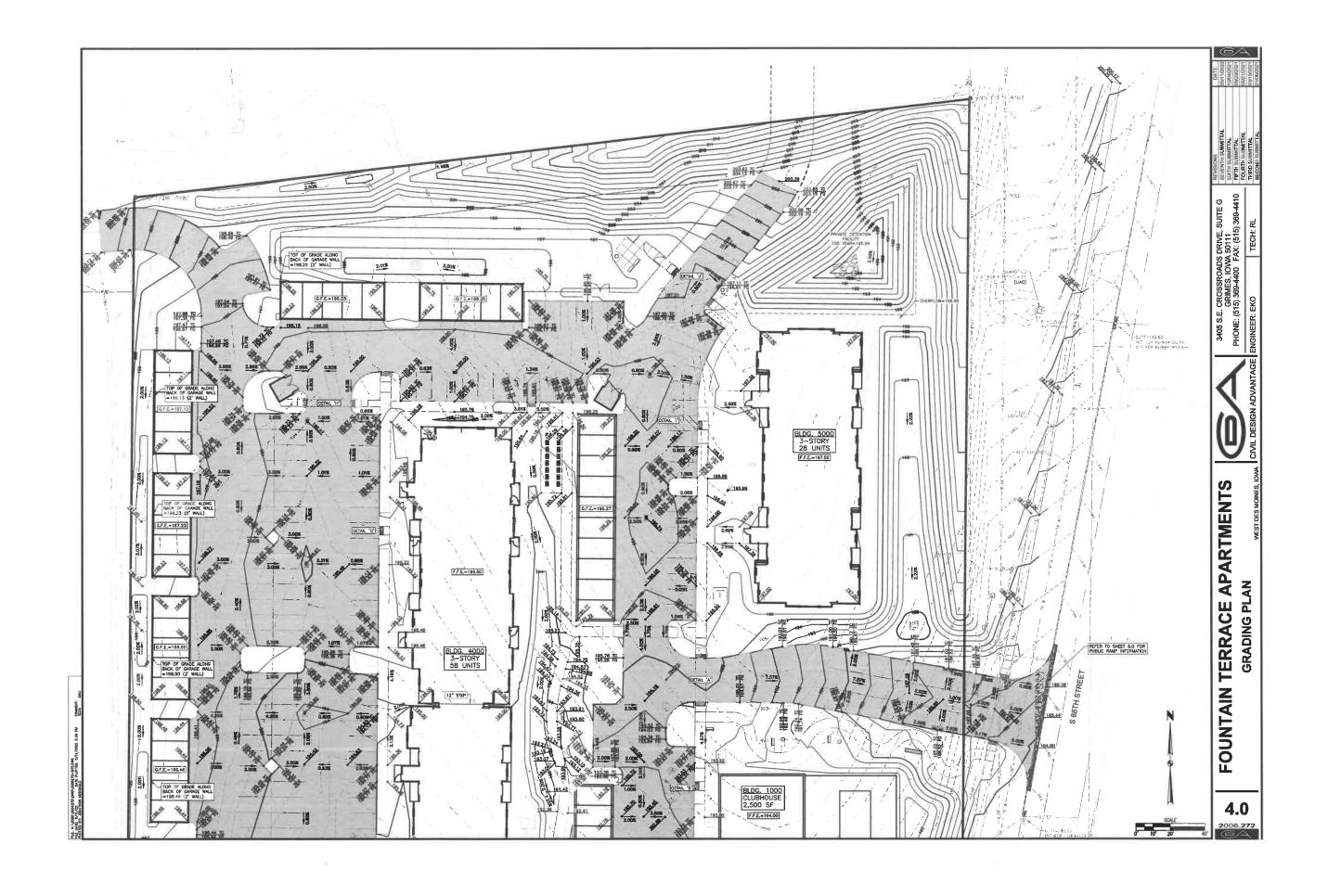
Terrace Fountain

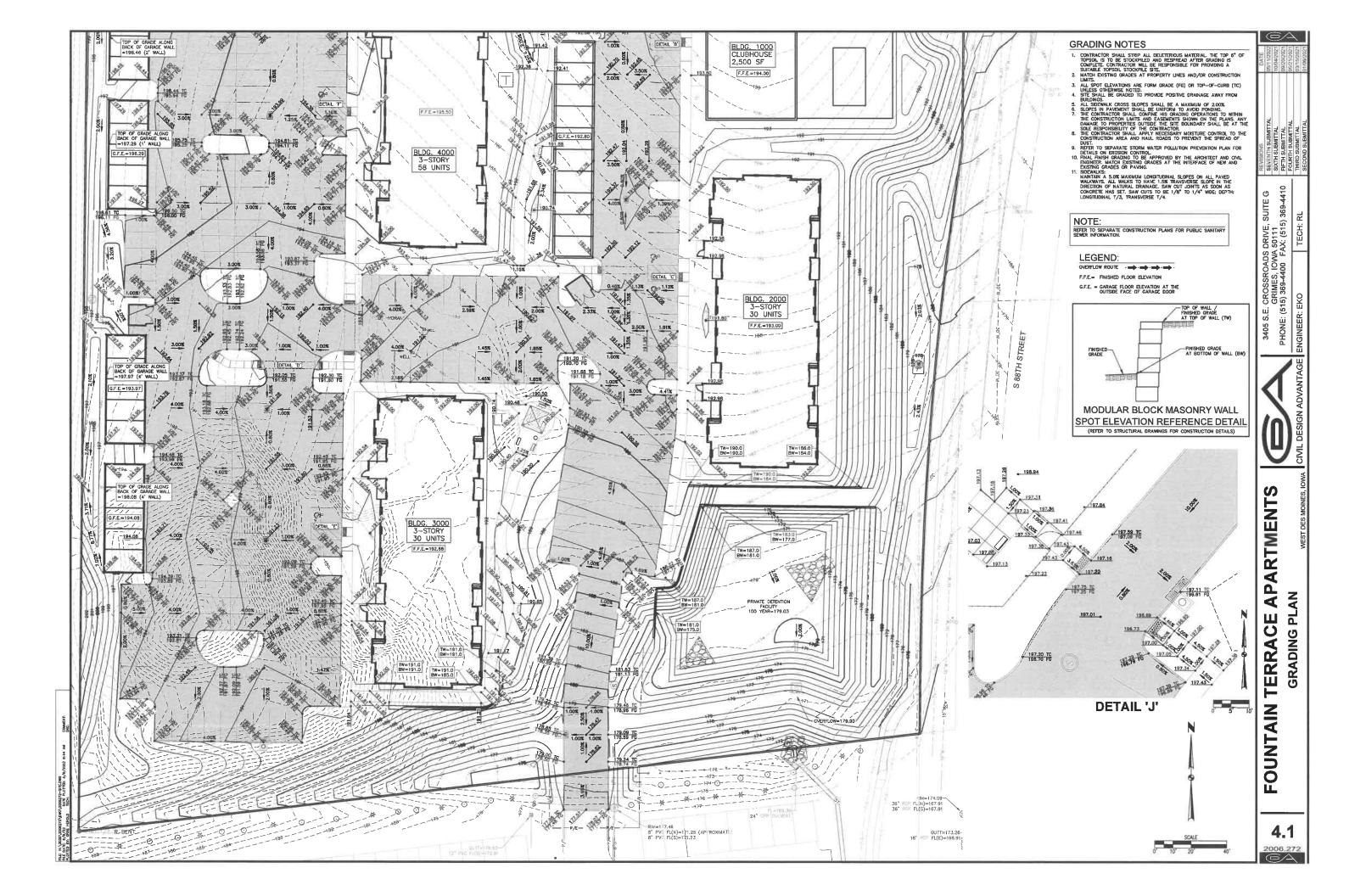


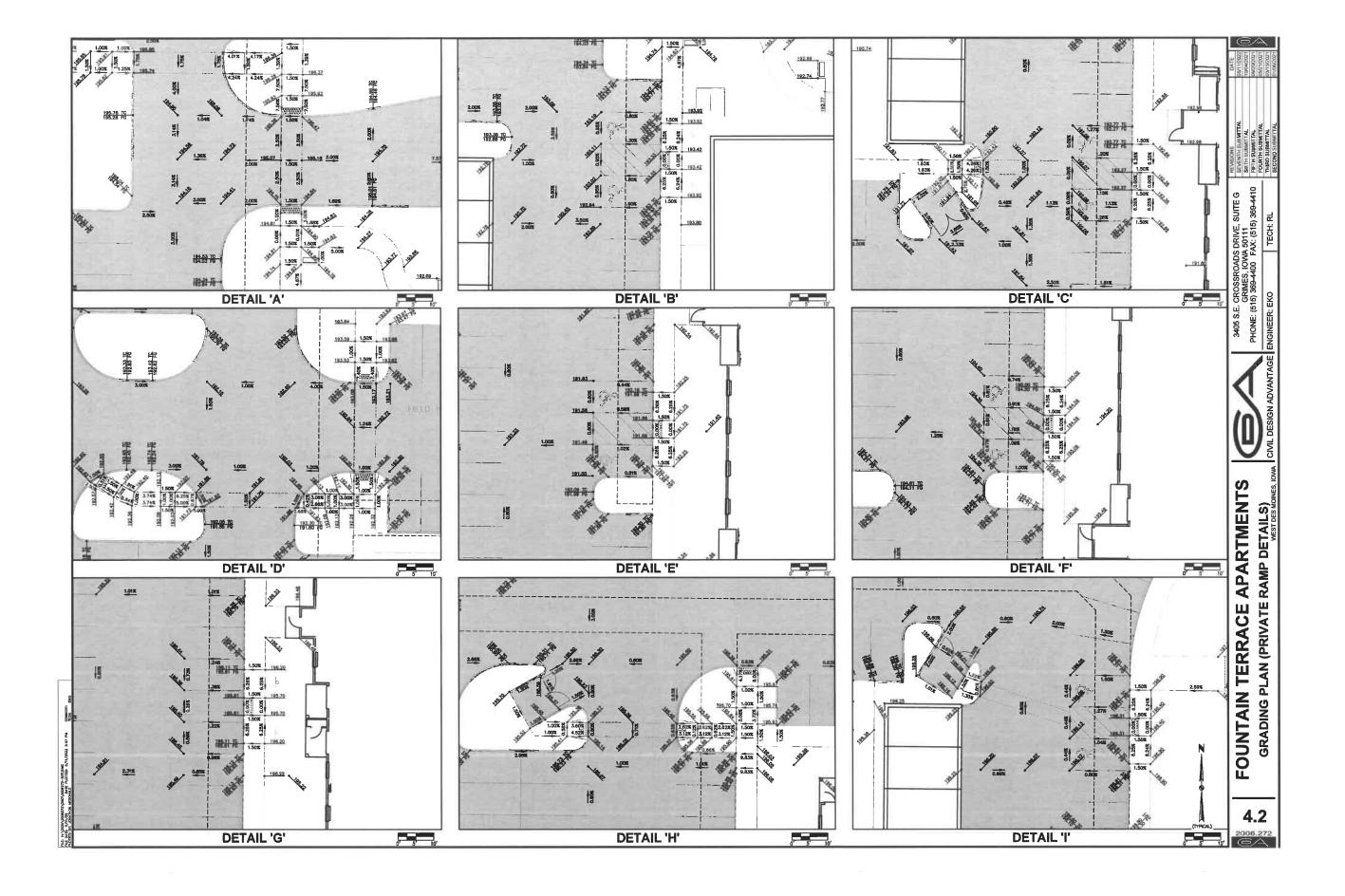












FOUNTAIN TERRACE APARTMENTS

EROSION AND SEDIMENT CONTROL PLAN

VICINITY MAP

Dails ONC ANNAN

WEST DES MOINES, IOWA

SWPPP LEGEND

DRAINAGE ARROW GRADING LIMITS FILTER SOCK SILT FENCE INLET PROTECTION

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PORTABLE RESTROOM TEMPORARY STANDPIPE

CONCRETE WASHOUT PIT

UNDISTURBED AREA

GRAVEL ENTRANCE

STABILIZATION QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	SILT FENCE	1.F	3,033
2	DITCH CHECKS	UF	533
3	SEEDING, FERTILIZING, AND MULCHING	AC	3.92
4	INLET PROTECTION DEVICES	EA	17
5	CONCRETE WASHOUT PIT	EA	- 1

DISCHARGE POINT SUMMARY

DISCHARGE POINT #1 TO AN UNNAMED TRIBUTARY OF SUGAR CREEK ±5200 FT TOTAL AREA DISTURBED TO DISCHARGE POINT STORAGE VOLUME REQUIRED (# OF ACRES*3600 CU FT)

VOLUME PROVIDED IN SILT FENCE (3,033 LF @ 10 CU FT/LF OF FENCE)
VOLUME PROVIDED IN DITCH CHECK (533 LF @ 15 CU FT/LF)
TOTAL VOLUME PROVIDED

8.99 ACRES 32,364 CU FT

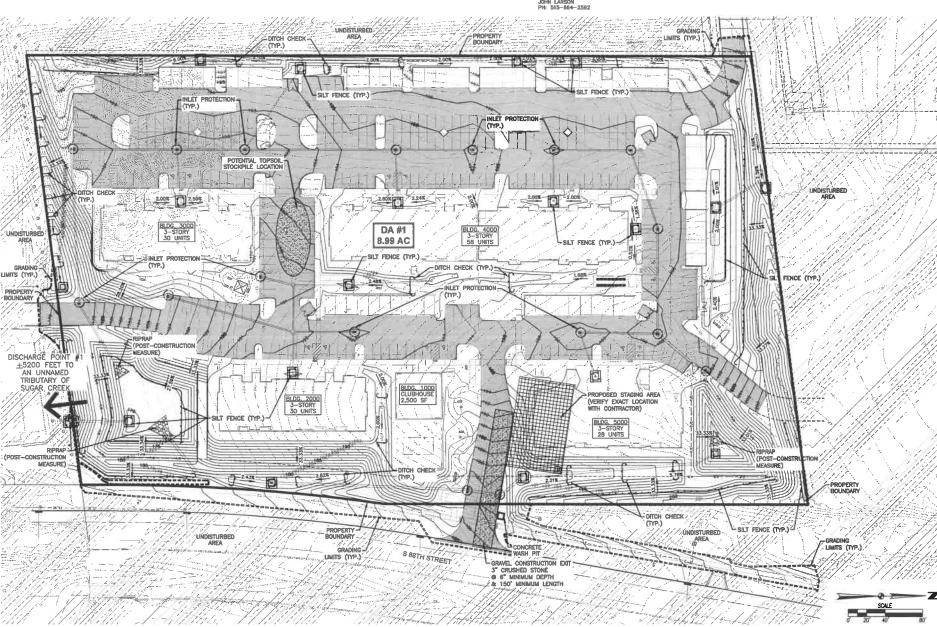
30,330 CU FT 7,995 CU FT 38,325 CU FT

- IF DEWATERING IS NEEDED FOR ANY REASON, DISCHARGE OF WATER OFFSITE IS TO CONFORM WITH THE GENERAL PERMIT #2 REQUIREMENTS.

 DISTURBED AREAS SHALL BE TEMPORARILY SEEDED OR MULCHED IMMEDIATELY IMMEDIATELY MEINEVER CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITES HAVE PERMANDATILY OR TEMPORARILY CEASED AND WILL NOT RESIDUE FOR A PERIOD EXCEDED A CALENDAR DAYS.

 PREPARATION OF SEED-BED.

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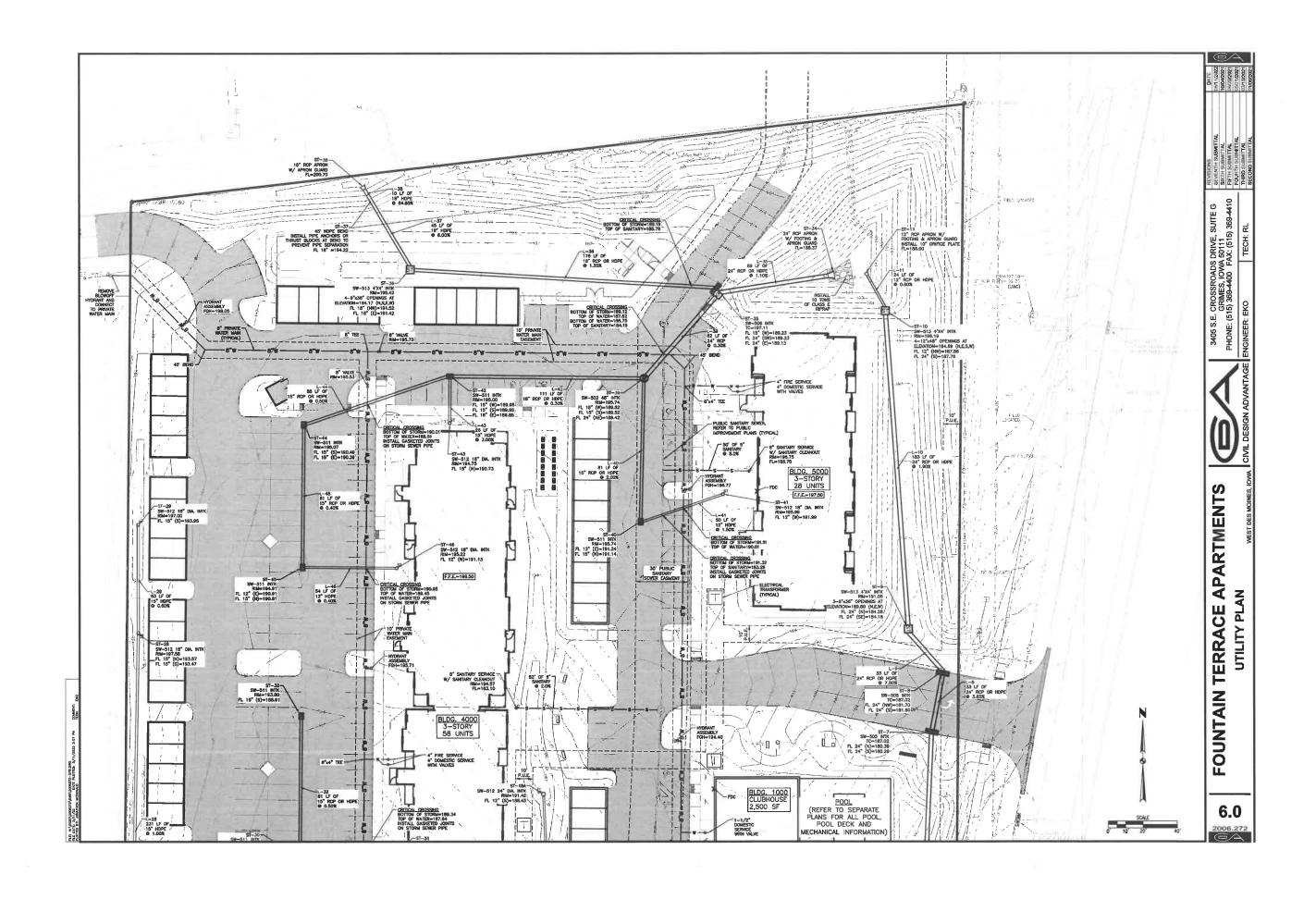


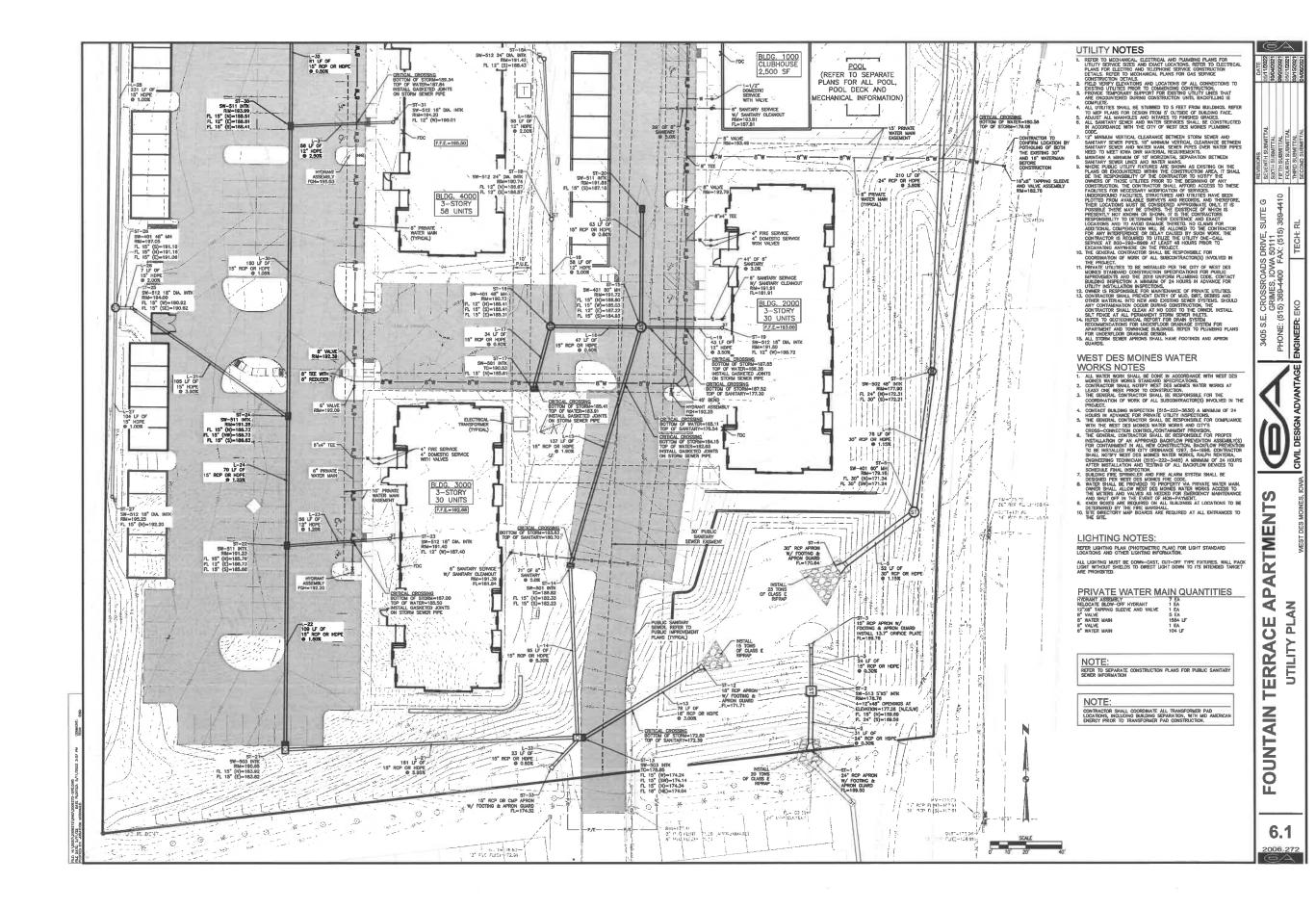
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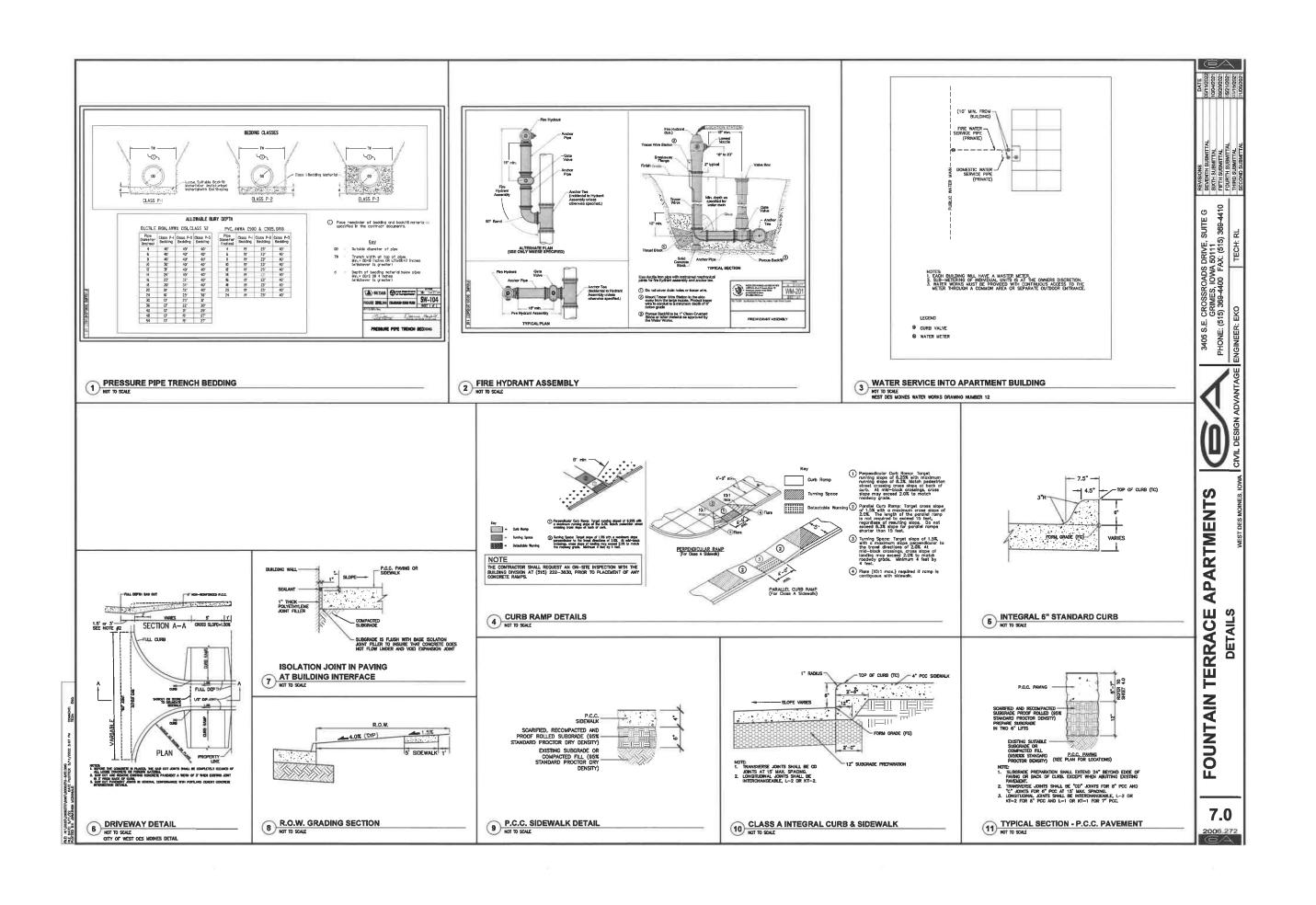
FOUNTAIN TERRACE APA EROSION AND SEDIMENT CONTROL

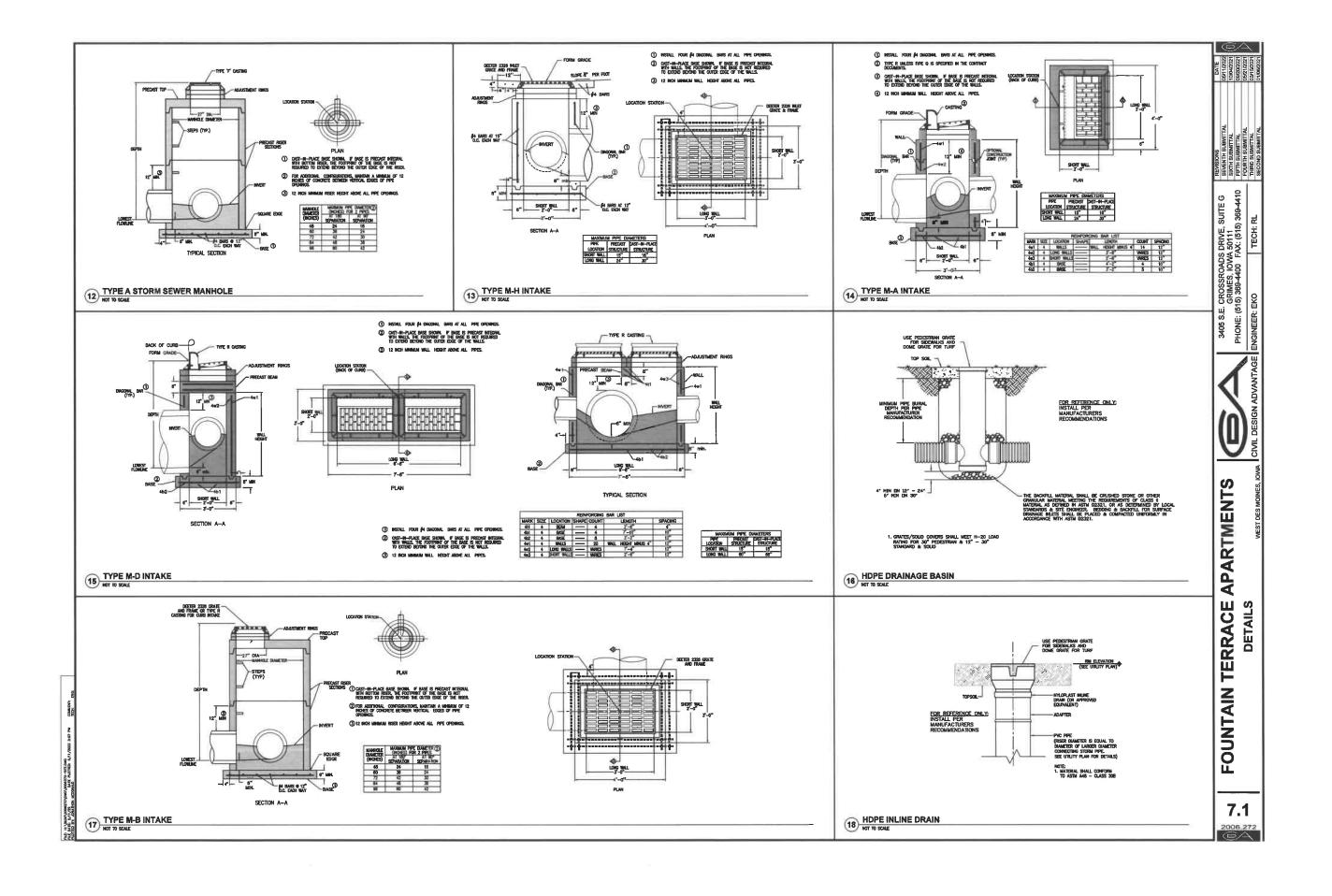
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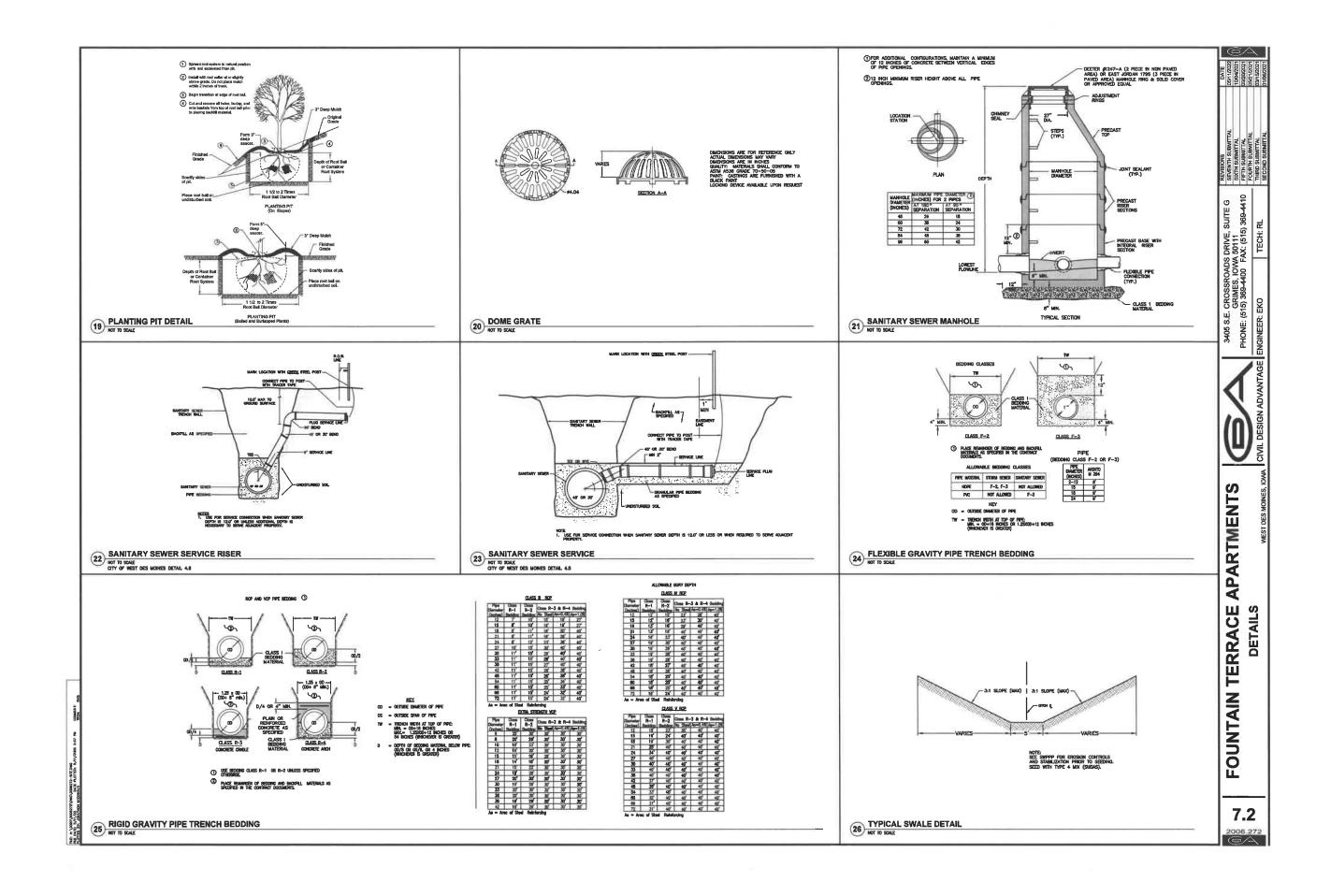
APARTMENTS

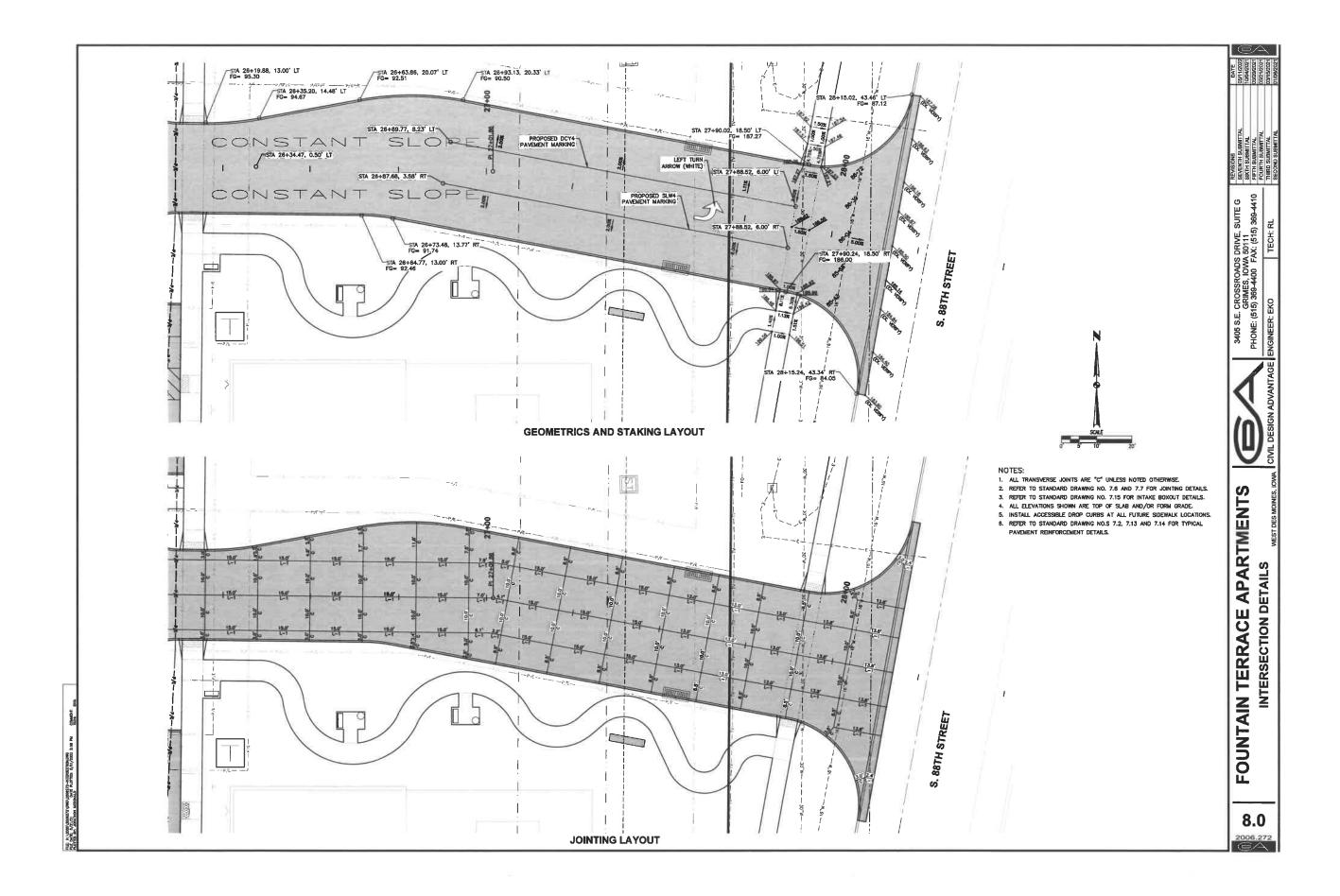


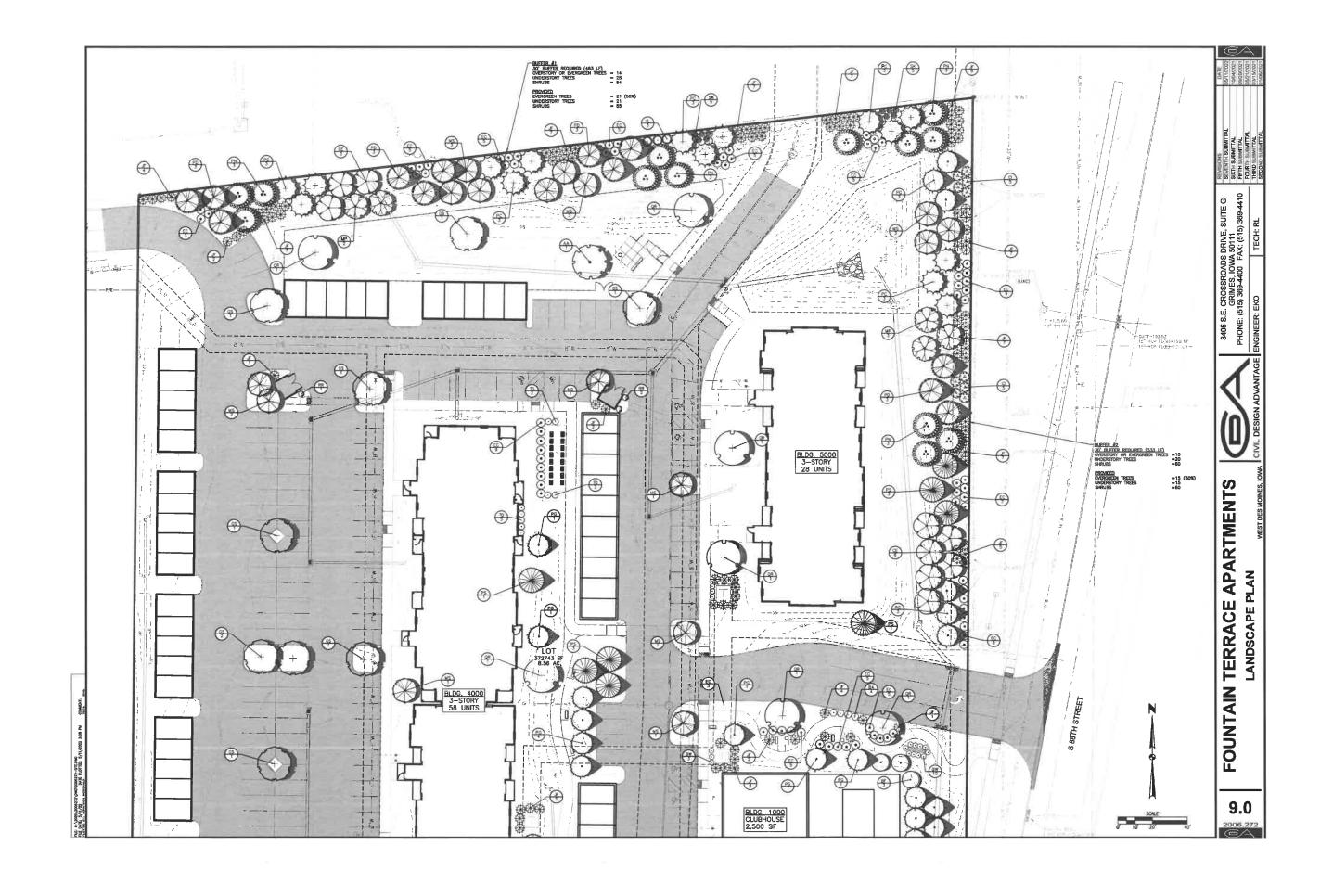


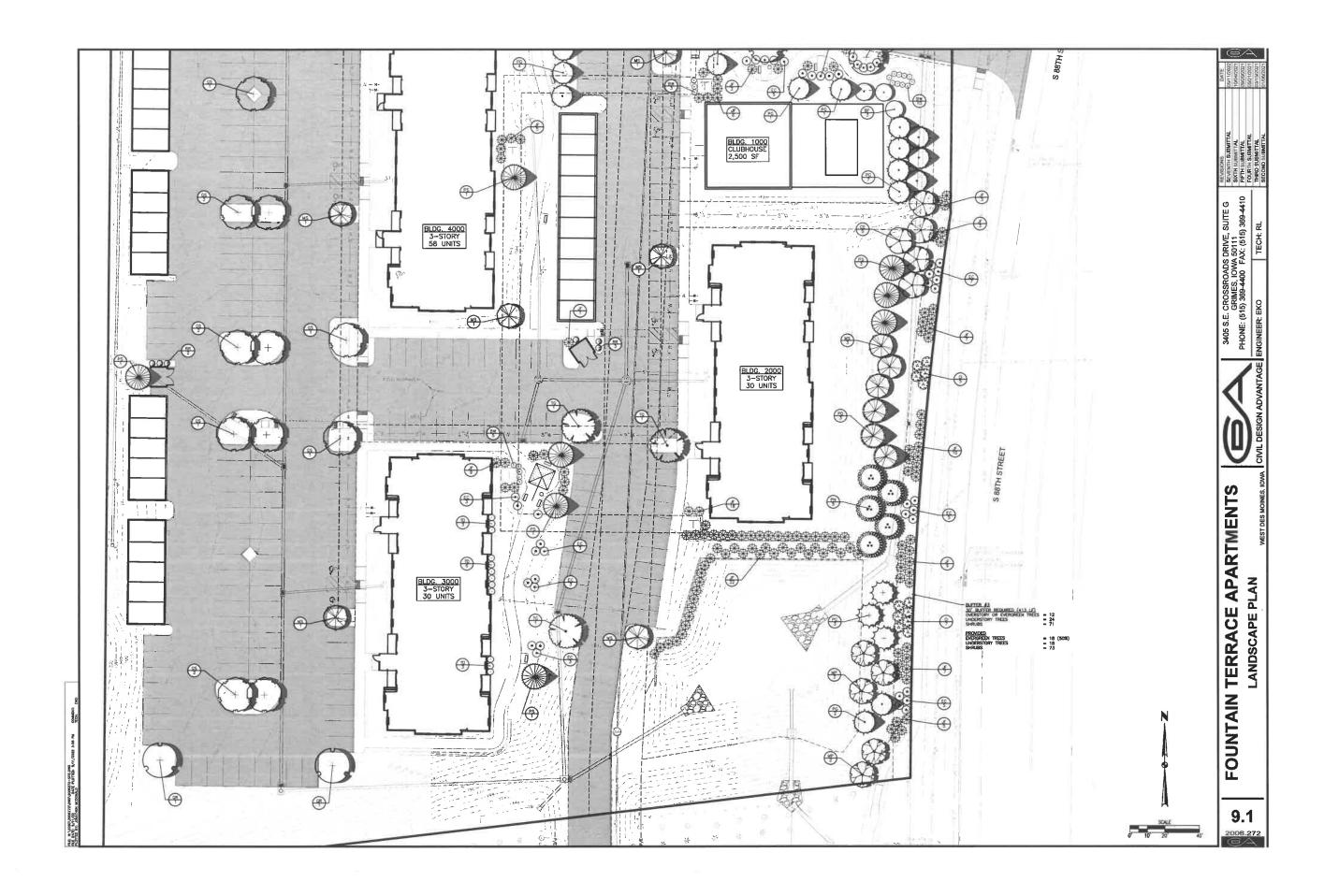


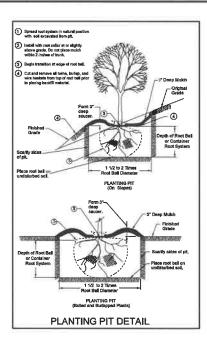












LANDSCAPE NOTES

- THE 2020 EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND CITY OF WEST DES MORNES SUPPLEMENTAL SPECIFICATIONS, F. APPLICABLE, SHALL APPLY TO ALL WORK ON THIS PROJECT UNLESS OTHERWISE MOTED.
- 2. LOCATE ALL UTILITIES BEFORE ANY PLANTING BEGINS.
- 3. TYPE, SIZE, AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO THE MOST CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI ZEQ.1
- 5. TYPE 'A' SEED OR SOO ALL DISTURBED AREAS AS DIRECTED BY OWNER. SEED SHALL BE SUPER TURF II LS FROM UNITED SEEDS.
- 6. BACKFILL TO TOP OF CURB. (MINUS 1 1/2" FOR SOO, IF REQ.)
- WEED PREVENTER (PRE-EMERGENT) SHALL BE SPREAD OVER SOIL AFTER PLANTING AND BEFORE MULCHING IN ALL PLANTING BEDS PER MANUFACTURER'S RECOMMENDATIONS.
- SHREDDED HARDWOOD MUCH SHALL BE PLACED AROUND ALL TREES, SHRUBS AND IN ALL PLATTING BEDS TO A MINIMUM DEPTH OF 3°. ALL GROUPS OF MORE THAN DRE SHRUB SHALL BE MUCHOED IN A CONTINUOUS SED, SEPARATED FROM TITES "8" A 3° SPARE-OUT EDGE, MALCH AROUND ALL COMPETIOUS TREES SHALL BE A 8° MAINETER CRICLE. ALL DOING SHALL BE "PAGE-OUT TOWN."
- 9. PLANT QUANTITIES ARE SHOWN FOR REFERENCE ONLY, THE DRAWING SHALL PREVAIL IF ANY COMPLICTS ARISE.
- 10. ALL DEBRIS SPILLED IN THE PUBLIC R.O.W. SHALL BE PICKED UP BY THE CONTRACTOR AT THE END OF EACH WORK DAY.
- 11, CONTRACTOR SHALL WARRANTY ALL PLANT MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF INSTALLATION.
- 12. CONTRACTOR SHALL PROVIDE IRRIGATION DESIGN TO DWNER FOR APPROVAL.
- 13. NO OVERSTORY TREES SHALL BE PLANTED IN ANY CITY OF WEST DES MOINES PUBLIC UTILITY EASEMENT.

SCREENING

ALL MECHANICAL UNITS VISIBLE FROM A PUBLIC STREET SHALL BE SCREENED FROM PUBLIC VIEW.

VIEWS OF OFF STREET PARKING AREAS FROM PUBLIC RIGHTS OF WAY SHALL BE SCREENED TO A HEIGHT OF AT LEAST THREE FEET

MINIMUM PLANT SIZES

CIDUOUS OVERSTORY TREES	-2"
CIDUOUS OVERSTORY TREES (CLUMP)	-1°
ERGREEN TREES	-6'
ENAMENTAL TREES	-1.
CIDUOUS SHRUBS (5"+)	-36
CODUCUS SHRUBS (3'-6")	-24
CIDUOUS SHRUBS (0-3")	=15

30' BUFFER REQUIREMENTS

- A LANDSCAPED AND BERMED AREA OF NOT LESS THAN THIRTY FEET (30") IN WIDTH COMPRISED OF LANDSCAPE PLANTINGS. THE EQUIVALENT OF ONE OVERSTORY TREE OR UPRIGHT EVERGREEN TREE, TWO (2) UNDERSTORY TREES AND SIX (6) SHRUBS SHALL BE PROVIDED PER THIRTY FIVE (36) LINEAR FEET OF THE BUFFER PARK
- OF THE REQUIRED NUMBER OF TREES WITHIN A BUFFER, A MINIMUM OF FIFTY PERCENT (50%) SHALL BE EVERGREEN. (SEE PLAN FOR CALCULATIONS)

PLANT SUBSTITUTIONS

- (2) ORNAMENTAL TREES = (1) OVERSTORY TREE OR EVERGREEN
 (10) SHRUBS = (1) UNDERSTORY TREE
- 410 MORE THAN 50% OF THE REQUIRED PLANT TYPE MAY BE SUCSTITUTED. -AT LEAST 33% OF TREES REQUIRED ON STEE (SUM OF OPEN SPACE, BUFFER AND PARGING LOT TREES) SHALL BE EVERGREEN.

 10TAL TREES REQUIRED = 163

 EVERGREENS REQUIRED = 57 (334)

 EVERGREENS REQUIRED = 80 (48%)

- OPEN SPACE
 LANDSCAPE REQUIREMENTS

 (2) TREES PER 3000 SF OF REQUIRED OPEN SPACE
- (3) SHRUBS PER 3000 SF OF REQUIRED OPEN SPACE

TREES REQUIRED

= 57 = 63 SHRUBS REQUIRED SHRUBS PROVIDED = 84 = 174

EVERGREEN TREES	QTY	COMMON NAME	BOYANICAL NAME	CONDITION AND SIZE
PG	9	Colorado Blue Spruce	Place purgens 'Gouce'	B&B, 6' HEIGHT
PS	10	White Pine	Pinus strobus	B&B, 6' HEIGHT
ORNAMENTAL TREES	arr	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
MS	12	Spring Snow Croto Apple	Matus x "Spring Snow"	B&B, 1.5" CALIPER
OVERSTORY TREES	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
AA	1	Autumn Blaze Red Maple	Acer rubrum 'Autumn Braze'	B&B, 2" CALIPER
BF	3	Dakota Pinnacie Asian White Birch	Betula platyphytia Forga' TM	B&B, 2° CAUPER
cs	19	Skyline Honey Looust	Gleditale trioconthos "Skyline"	B&B, 2" CALIPER
QR	9	Red Ook	Querous rubra	B&B, 2" CALIPER
TG	3	Greenspire Linden	Title condute 'Greenspire'	B&B, 2" CALIPER
SHRUBS	QTY	COMMON NAME	BOTANICAL HAME	CONDITION AND SIZE
BA	4	Japanese Barberry	Berberis thurbergil 'Aures'	24" HEIGHT
BW	14	Wintergreen Boxwood	Buxus microphylis 'Whtergreen'	15" HEIGHT
EC	36	Compact Burning Bush	Euonymus diatus 'Compostus'	35" HEIGHT
F	92	Sea Green Juniper	Juniperus chitrenais 'Sec Graen'	36" HEIGHT
RR	9	Fine Line Buckthorn	Rhammus français 'Fine Line'	36" HEIGHT
TD	21	Dense Yew	Taxus + media	24" HEIGHT

EVERGREEN TREES	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
PC	12	Blue Spruce	Pices pungens 'Colorado Green'	B&B, 6' HEIGHT
PO	9	Douglas Fir	Pseudotsugo menziesil	B&B, 6' HEIGHT
ORNAMENTAL TREES	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
Œ	3	Eastern Redbud Multi-trunk	Cercia conodensis	B&B, 1.5" CAUPER
MP	2	Proirifire Crob Apple	Molus s 'Prohitire'	B&B. 1.5" CAUPER
MS	6	Spring Snow Crab Apple	Malus a 'Spring Snow'	BAB, 1.5" CALIPER
PN	10	Newport Flowering Plum	Prunus cersellers 'Newport'	B&B, 1.5" CALIPER
SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
EC	28	Compact Burning Bush	Eugnymus slotus 'Compactus'	36" HEIGHT
F	44	Sea Green Juniper	Juniperus chinensis 'Sec Green'	36" HEIGHT
SK	10	Miss Kim Korean Lilac	Syrings pubescens 'Miss Kim'	36° HEIGHT
VL.	3	Nonnyberry	Viburnum lentogo	36" HEIGHT

PLANT SCHEDULE	BUFFE	R #2 (88TH ST NORTH)		
EVERGREEN TREES	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
PC	3	Blue Spruce	Pices pungens 'Colorado Green'	BAB, 6' HEIGHT
PD	3	Dougles Fir	Pseudotaugs menzieell	BAB, 6' HEIGHT
PG	6	Colorado Blue Spruce	Place pungens 'Glauca'	BAB, 6' HEIGHT
PS	3	White Pine	Pinus strobus	BAB, 6' HEIGHT
ORNAMENTAL TREES	IQTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
CE	8	Eastern Redbud Multi-trunk	Cercle conodenses	B&B. 1.5" CALIPER
up	3	Proirifire Crob Apple	Malus x 'Prohifre'	B&B, 1.5" CALIPER
MS	3	Spring Snow Crab Apple	Water x 'Spring Snew'	B&B, 1.5" CALIPER
PH	3	Newport Flowering Plum	Prunus cerceifero 'Heeport'	B&B, 1.5" CALIPER
SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
a	10	Isanti Redosier Dogwood	Comus sericeo Teontif	24" HEIGHT
EC	24	Compact Burning Bush	Euonymus alotus 'Compoctus'	36" HEIGHT
F	28	San Green Justiner	Lastronia obliganta Van Orani	THE HEIGHT

EVERGREEN TREES	QTY	COMMON NAME	BOTANICAL HAME	CONDITION AND SIZE
PC	3	Blue Spruce	Place pungene 'Colorada Green'	BAS, 6' HEIGHT
PD	3	Douglas Fir	Pseudotsugo manziesii	B&B, 6' HEIGHT
PG	9	Colorado Blue Spruce	Pices pungens 'Gloucs'	BAID, 6' HEIGHT
PS	3	White Pine	Pinus strobus	B&B, 6' HEIGHT
ORNAMENTAL TREES	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
Œ	5	Eastern Redbud Multi-trunk	Certile conodensis	B&B, 1.5" CAUPER
MP	5	Prointine Crob Apple	Motus a 'Protriffre'	B&B, 1.5" CAUPER
MS	3	Spring Snow Crab Apple	Matus x "Spring Snow"	B&B, 1.5" CAUPER
PN	5	Hewport Flowering Plum	Prunue censalters 'Neeport'	Bas, 1.5" CAUPER
SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
BW	7	Wintergreen Boxwood	Busus microphylic 'Wintergreen'	15" HEIGHT
a	12	Isanti Redoeler Dogwood	Cornue serioss "senti"	24" HEIGHT
EC	17	Compact Burning Bush	Euonymus sielus 'Compoctus'	36" HEIGHT
F	44	Sea Green Juniper	Amberus chinenals 'Sec Green'	36" HEIGHT

3405 S.E. CROSSROADS DRIVE, SUITE G GRIMES, IOWA 50111 PHONE: (515) 369 4400 P.X.: (515) 369 4410

TERRACE APARTMENTS

LANDSCAPE PLAN OUNTAIN

9.2 2006.272

FOUNTAIN TERRACE APARTMENT (30 PLEX)

655 S. 88th St., West Des Moines, IA - Building #2000 6 #3000



REAR ELEVATION



LEFT ELEVATION

RIGHT ELEVATION







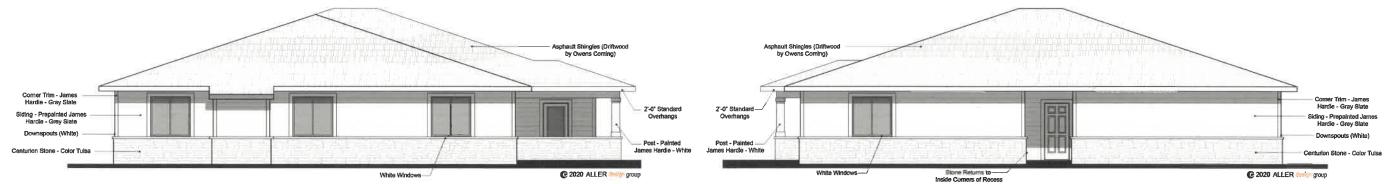
FRONT ELEVATION

FOUNTAIN TERRACE CLUBHOUSE

655 S. 88th St., West Des Moines, IA - Building #1000



REAR ELEVATION



LEFT ELEVATION







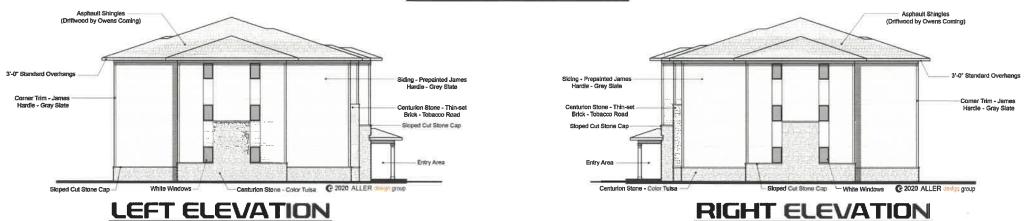


FOUNTAIN TERRACE APARTMENT (28 PLEX)

655 S. 88th St., West Des Moines, IA - Building #5000



REAR ELEVATION



LEFT ELEVATION

Covered Decks Sloped Cut Stone Cap Sloped Cut Stone Cap Centurion Stone - Color Tulsa -

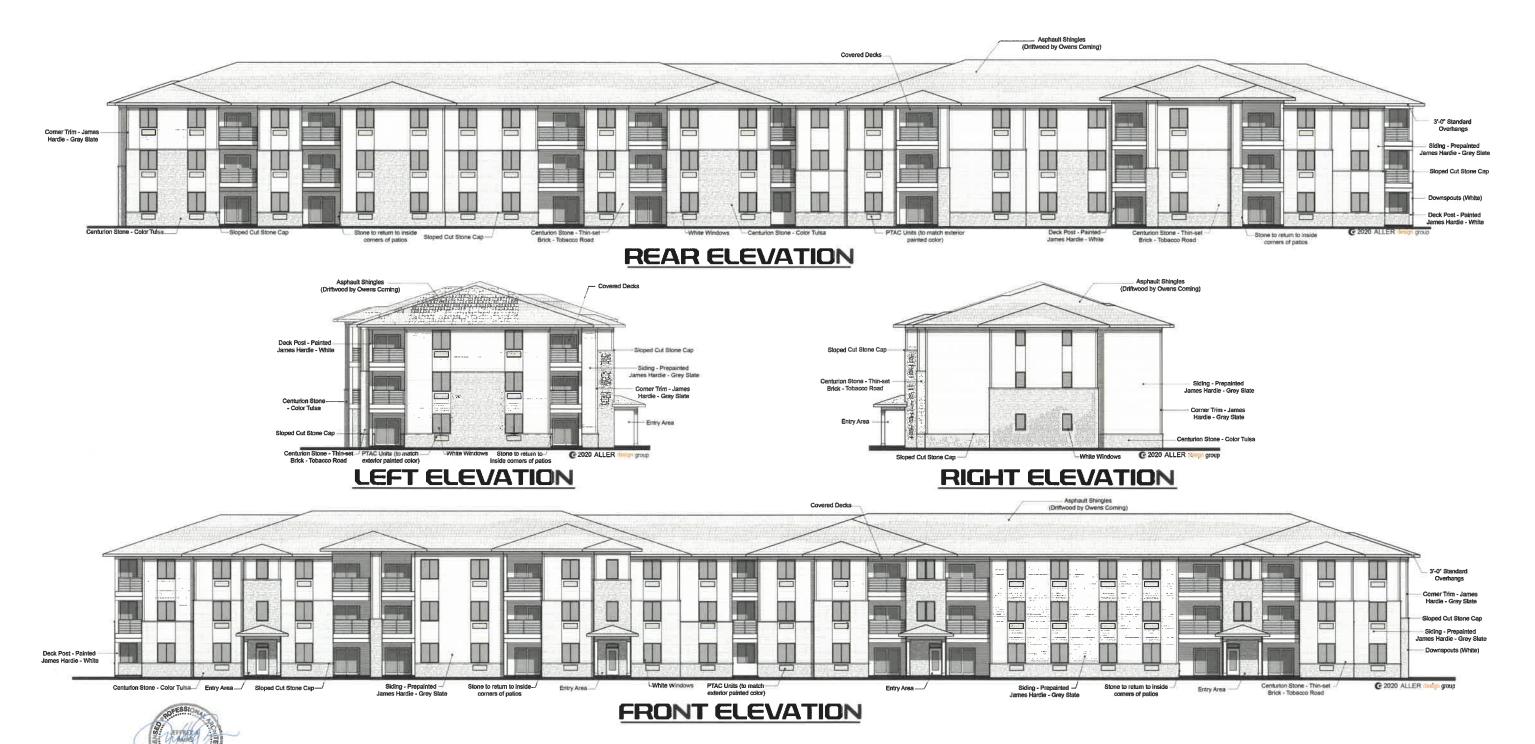






FOUNTAIN TERRACE APARTMENT (58 PLEX)

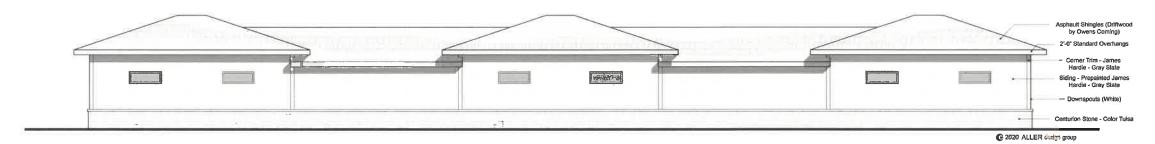
655 S. 88th St., West Des Moines, IA - Building #4000







FOUNTAIN TERRACE GARAGE (10 STALLS)



REAR ELEVATION



LEFT ELEVATION RIGHT ELEVATION



FRONT ELEVATION









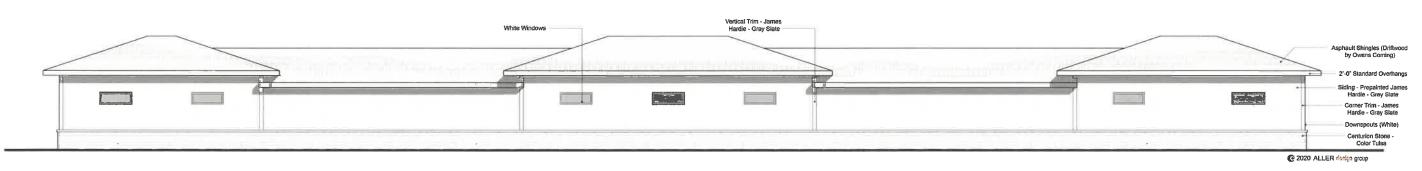








FOUNTAIN TERRACE GARAGE (13 STALLS)





Centurion Stone - Thin-Brick - Tobacco Road



distribution of the



Asphault Shingles (Driftwoo



Comer Trim - Jame

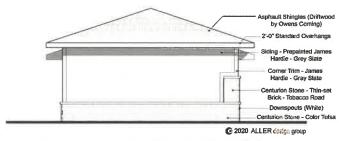


Siding - Prepainted Ja Hardle - Grey Slate

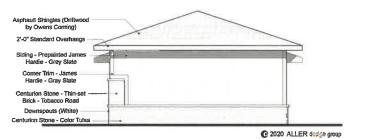


Downspouts (Whi

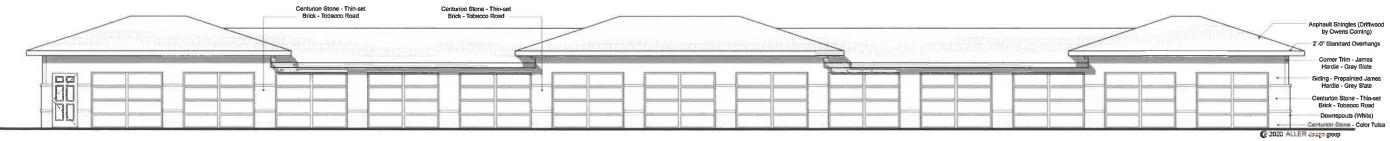
REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

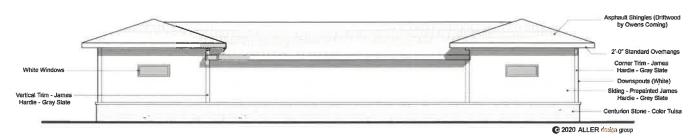


FRONT ELEVATION

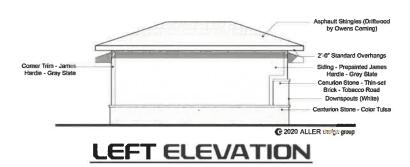


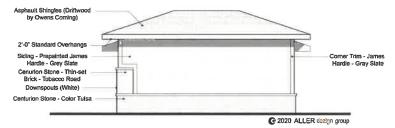


FOUNTAIN TERRACE GARAGE (5 STALLS)

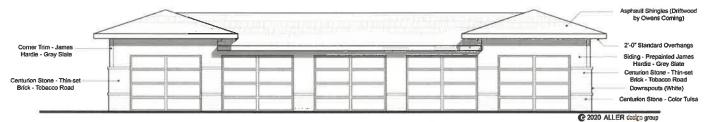


REAR ELEVATION





RIGHT ELEVATION



FRONT ELEVATION



Centurion Stone - Thir



Centurion Stone - Color Tuts



Asphault Shingles (Driftwo by Owens Coming)



Comer Trim - James Hardie - Gray Slate



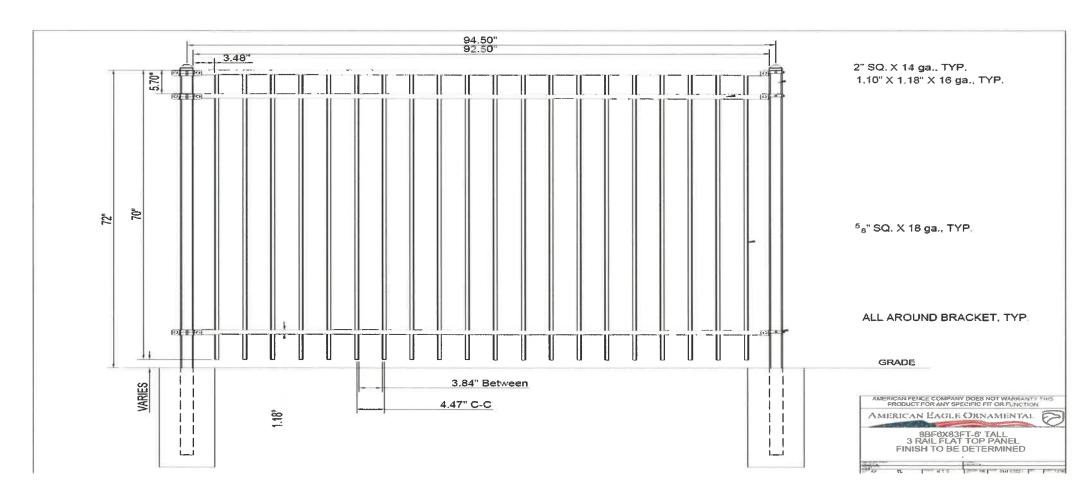
Siding - Prepainted Jan Hardie - Grev State



Downspouts (W







Line and Terminal Posts

2" Sq. x 5' 9"(69") Ornament

Brackets
Eagle Flush Mount Bracket

<u>Gates</u>

Eagle 4' x 4' Single Flat Top Eagle 4' x 4' Single Flat Top Eagle 4' x 4' Single Flat Top

Hinge Kit

Fully Adjustable Hinge 2 1/2" x 1 1/4" Pintel Hinge Kit

Latch Kit

Lokk Latch System 1

Gate Posts

2-1/2" x 8' Post (Gate Hinge Post Only) 2-1/2" x 8' Post (Gate Hinge Post Only) 2-1/2" x 6' Post (Gate Hinge Post Only)

AFC Representative:	Date:	
Customer Signature:	Date:	

SHADE STRUCTURE



The shade structure is made of heavy-duty extruded aluminum. Potential color choices are white, sandstone and bronze. Roof is an insulated panel system with integrated gutters, facia and down spouts. Post supports are heavy duty extruded aluminum with fluted columns. Structure provided by Sunroom Escapes – Pleasant Hill.