CITY OF WEST DES MOINES STAFF REPORT COMMUNICATION

Meeting Date: October 23, 2023

ITEM: Bridge Lot, NW Corner of S 19th Street and Fuller Road – Approve Full Site Plan to allow construction of one 4-unit townhome building – Walnut Creek Community Church – SP-006086-2023

Resolution: Approval of Full Site Plan

<u>Background</u>: Ed Arp with Civil Engineering Consultants, on behalf of the applicant and property owner, Walnut Creek Community Church, requests approval of a Full Site Plan for the 0.65-acre property generally located at the northwest corner of S. 19th Street and Fuller Road. The applicant requests approval of a full site plan to allow construction of one 4-unit townhome building 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>: On November 10, 2003, the Nazarene Church Campground Planned Unit Development (PUD) was established, but repealed on April 30, 2018, and Open Space zoning was designated across the property. On July 20, 2020, a Plat-of-Survey was approved to create a 3-acre parcel (Parcel 2020-84) adjacent to the Jordan House for acquisition by the WDM Historical Society. By separate action, a 0.51-acre parcel (Parcel 2020-82) was created around the historic cemetery on the property and ownership transferred to the city. On August 17, 2020, the City Council approved the land use and zoning change for 6.3-acres on the north side of Jordan Creek to Residential Medium Density (RM-12). On November 21, 2022, the City Council approved a plat of survey to define Parcels 2021-46 and 2021-47 on each side of Jordan Creek for ownership transfer. On September 18, 2023, the City Council approved the Preliminary Plat to allow the subdivision of the site into two lots for development, two outlots for the Jordan Creek, and one street lot and approved the Bridge Lot Townhomes Phased Site Plan for footings, foundations and private utilities for one 4-unit townhome building.

Key Development Aspects:

- Architecture: The townhome building form is similar to the surrounding multifamily buildings and includes a mix of siding types (board and batten and lap siding) to add visual interest. Material colors include brown and off white siding, gray stone and roofing and black iron railings, which are compatible with the surrounding building materials.
- 2. Park Land Dedication: The applicant is meeting parkland dedication requirements by providing private greenway land (Outlot 1A and Outlot X) within the development in accordance with the Master Parks and Trails Plan.
- <u>Traffic Impact Study Findings</u>: The crash history does not indicate a need for traffic safety
 improvements at this time. The existing 2-lane geometry is expected to have adequate capacity to
 accommodate the proposed project. As the site further develops and future subdivision is indicated,
 more analysis will be necessary.
- <u>Developer Responsibilities</u>: In conjunction with site development or platting of the lots, whichever occurs first, the developer will be responsible for construction and/or installation of all required public and private infrastructure improvements necessary to support development. Two streetlights are identified along the west side of S. 19th Street adjacent to this project, the cost of which will be the responsibility of the developer.

- Conditions of Approval: Per the Fire Code, no combustible materials may be onsite, and no above ground construction may occur until such time that water for fire flows as outlined in the International Fire Code is available within the site, as well as adequately located and spaced hydrants are available to serve the site. Staff is recommending a condition of approval prohibiting building permit issuance for above ground construction of the buildings themselves, as well as prohibiting the outdoor storage of any items or materials, including combustible construction materials on the site until such time that water is available onsite to address fire protection requirements of the fire code.
- <u>Vesting of Entitlement</u>: 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 <u>prior to</u> the expiration date.

Outstanding Issues: There are no outstanding issues.

October 23, 2023

Planning and Zoning Commission Action:

Date:

Vote: Recomme	ndation:					
Recommen requirement	dation: Approve the Formula the following con	ull Site	Plan request, subject sof approval:	to the	applicant meeting	all City Code
1. No c	ombustible materials a	e to be	e stored on site until wa	ater in	frastructure is in pla	ace.
2. Proo full s	f of payment to MidAme ite plan approval by the	erican l City C	Energy for two streetlig Council.	hts to	be submitted to the	e City prior to the
Lead Staff	Member: Kara Trag	esser				
Approval N	leeting Dates:				Se	
	d Zoning Commission				October 23, 2023	
City Counci					000001 20, 2020	
Staff Repo	rt Reviews:					
Planning & Commission	•	evelop irector	ment Coordinator (or)	\boxtimes	Legal Department	
City Counci		irector			Legal Department	
	□ A	ppropr	iations/Finance		Agenda Acceptanc	e
	s (if applicable)		Council Subcommit	tee R	eview (if applicab	le)
Published In:	Des Moines Register Community Section		Subcommittee	Deve	lopment & Planning	9
Date(s) Published	n/a		Date Reviewed	8/7/2:	3 as upcoming proj	ect
Date(s) of Mailed Notices	n/a		Recommendation	⊠ Ye	es □ No □ Split	□ No Discussion

Location Map



Vicinity Map - Land Uses



SR_Bridge Lot Full Site Plan_10-23-2023

RESOLUTION OF THE PLANNING AND ZONING COMMISSION NO. PZC-23-055

WHEREAS, pursuant to the provisions of Title 9, Zoning of the West Des Moines Municipal Code, the applicant, and property owner, Walnut Creek Community Church, requests approval of the Site Plan for the 0.65-acre property generally located at the northwest corner of S. 19th Street and Fuller Road as depicted on the location map included in the staff report. The applicant requests approval to construct one 4-unit townhome building and associated site improvements; and

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

NOW THEREFORE, the Planning and Zoning Commission of the City of West Des Moines recommends the City Council approve the Full Bridge Lot Site Plan (SP-006068-2023), 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 October 23, 2023.

Recording Secretary

	Andrew Conlin, Chair Planning and Zoning Commission
I HEREBY CERTIFY that the foregoing resolution Commission of the City of West Des Moines, Iowa following vote:	was duly adopted by the Planning and Zoning a, at a regular meeting on <u>October 23, 2023</u> , by the
AYES:	
NAYS:	
ABSTENTIONS:	
ABSENT:	
ATTEST:	

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

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

RESOLUTION

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, APPROVING A FULL SITE PLAN TO CONSTRUCT ONE 4-UNIT TOWNHOME BUILDING

WHEREAS, pursuant to the provisions of Title 9, Zoning, of the West Des Moines Municipal Code, the applicant and property owner, Walnut Creek Community Church, requests approval of Full Bridge Lot Townhomes Site Plan for that property generally located at northwest corner of S. 19th and Fuller Road and legally described in attached Exhibit "B" for the purpose of constructing one 4-unit townhome building; 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 Full Bridge Lot Townhomes Site Plan complies with findings stated in the applicable provisions of Title 9, Chapter 1, Subsection 8, the Comprehensive Plan and City Code; and

WHEREAS, on October 23, 2023, the Planning 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 Full Bridge Lot Site Plan; and

WHEREAS, the City Council does approve and accept the Parkland Dedication Agreement for the Full Bridge Lot Site Plan.

NOW, THEREFORE, The City Council does approve the Bridge Lot Full Site Plan (SP-006086-2023), 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 November 6, 2023.

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 November 6, 2023, by the following vote.

Exhibit A: Conditions of Approval

- 1. No combustible materials are to be stored on site until water infrastructure is in place.
- 2. Proof of payment to MidAmerican Energy for two streetlights to be submitted to the City prior to the full site plan approval by the City Council.

Exhibit B: Legal Descriptions

PARCEL 2021-47 OF BRAY FARM, AN OFFICIAL PARCEL RECORDED IN BOOK 19417, PAGE 677 AT THE POLK COUNTY RECORDER'S OFFICE, CITY OF WEST DES MOINES, POLK COUNTY, IOWA.

<u>m</u> ≥| SHEET

OF 6

WEST DES MOINES, IA 50265

			EXISTING
GENERA	L LEGEND		LOT LINE
	PROPOSED	0	SANITARY/STORM MANHOLE
	PLAT BOUNDARY	×	WATER VALVE
	SECTION LINE		FIRE HYDRANT
	LOT LINE		STORM SEWER SINGLE INTAKE
	CENTERLINE	В	STORM SEWER DOUBLE INTAKE
	EASEMENT LINE	₩	STORM SEWER ROUND INTAKE
	FLARED END SECTION		FLARED END SECTION
0	DRAIN BASIN OR SEDIMENT RISER		
(57)	DRAIN BASIN WITH SOLID GRATE		DECIDUOUS TREE
H	WATER VALVE	- 76	CONIFEROUS TREE
\$	FIRE HYDRANT ASSEMBLY		SHRUB
•	BLOW-OFF HYDRANT	ø	POWER POLE
	SCOUR STOP MAT	´ø-⇔-	STREET LIGHT
	TURF REINFORGEMENT MAT	>	GUY ANCHOR
· ·		E	ELECTRIC TRANSFORMER
51	STORM SEMER WITH SIZE	G	GAS METER
— H8-	WATER SEMER MITH SIZE	①	TELEPHONE RISER
	WATER SERVICE	4	SIGN
926	PROPOSED CONTOUR	CAT√	UNDERGROUND TELEVISION
		— -UGE= —	UNDERGROUND ELECTRIC
/ 1	SILT FENCE	- G	UNDERGROUND GAS
	ADDRESS	— -16 F 0- —	UNDERGROUND FIBER OPTIC
PEPER		— - UGT- -	UNDERGROUND TELEPHONE
2500	RIPRAP	- -0114- -	OVERHEAD ELECTRIC
		SANB" -	SANITARY SEWER WITH SIZE
		5T-12" -	STORM SEWER WITH SIZE
		- - 1	MATER MAIN WITH SIZE
		926	EXISTING CONTOUR
			TREELINE
		B5L.	BUILDING SETBACK LINE
		P,U,E,	PUBLIC UTILITY EASEMENT
		M,O,E	MINIMUM OPENING ELEVATION

FEMA F.I.R.M. CLASSIFICATION

THIS PARCEL LIES NITHIN FLOOD ZONE 'X,' X' (SHADED) & 'AE' AND THE LORDAN CREEK REGULATORY FLOODWAY ALL BEING IDENTIFIED ON FEMA FLOOD INSURANCE RATE MAP NO. 19153CO34OF WITH EFFECTIVE DATE OF FEBRUARY I,

	COMMENTY	NUMBER	PANEL	SUFFIX
٠	CITY OF DES MOINES	190227	0340	F
٠	CITY OF WEST DES MOINES	190901	0340	F
	POLK COINTY	140721	0240	_

*** FEMA MAPS ARE SUBJECT TO CHANGE ***

PLEASE SEE FEMA FLOOD MAP SERVICE CENTER FOR CURRENT MAPS FEMA REGION VII, 922I WARD PARKWAY, KANSAS CITY, MO 64II4

EMAIL: FEMAMAPSPECIALIST@RISKMAPCDS.COM

EXISTING COMPREHENSIVE LAND USE

EXISTING ZONING DISTRICT

BUILDING SETBACKS

SITE AREAS (UNDER THIS DEVELOPMENT)

BUILDING PAVED AREA	3,616 S.F. 1251 S.F.	12.73% 25.56%
IMPERVIOUS AREA	10,873 S.F.	38 29%
PERVIOUS AREA	17,523 SF	61,71%
TOTAL SITE AREA	28396 S.F.	100.009

PROPERTY OWNERS:

APPLICANT:

WALNUT CREEK COMMUNITY CHURCH 900 64TH STREET WINDSOR HEIGHTS, IA 50324-1011 PHONE: (515)250-5988

PROJECT MANAGER:

LEGAL DESCRIPTION: LOT I, BRIDGE LOT PLAT I, AN OFFICIAL PLAT, CONTAINING 0.65 ACRES, CITY OF WEST DES MOINES, POLK COUNTY, IOWA.

WEST DES MOINES WATER WORKS STANDARD NOTES

- 1. ALL MATER MORK, PUBLIC OR PRIVATE SHALL BE DONE IN ACCORDANCE WITH MEST DES MOINES WATER MORKS STANDARD
- SPECIFICATIONS, AVAILABLE AT NEST DES MOINES MATER MORKS SPECIFICATIONS (HTTPS://www.ncmwinc.com/specs.as/ex.).
 ANY MATER USE FROM A HYDRANT, PUBLIC OR PRIVATE, REQUIRES THE USE OF A NEST DES MOINES MATER WORKS HYDRANT METER. CALL
 \$15,222,3405 TO RESERVE A METER.

VICINITY SKETCH

Sheet Title

EROSION CONTROL NOTE:

EROSION CONTROL PLAN

EROSION CONTROL DETAILS

STRIP TOPSOIL FROM ALL AREAS WHICH ARE TO RECEIVE STRUCTURAL FILL.
ALL AREAS TO RECEIVE FILL TO BE BENCHED.
PREPARE BOTTION OF BENCH FOR FILL BY DISCING TO A DEPTH OF 6-INCHES.
ALL SITE GRADING FILL SHALL BE COMPACTED TO A DENSITY THAT IS NOT LESS THAN 95% STANDARD PROCTOR. THE
MOISTURE CONTENT OF THE FILL MATERIAL SHALL MATCH URBAN STANDARD.
MAINTAIN ALL CUT AND FILL AREAS FOR SURFACE DRAINAGE AT ALL TIMES.
FINAL GRADES WITHIN PAVED AREAS SHALL BE WITHIN O.I' OF PLAN GRADE, ALL OTHER AREAS TO BE WITHIN 0.2' OF PLAN
GRADE.

Sheet List Table

GRADING NOTES

- 55.3223465 TO RESERVE A METER.

 CONTRACTOR SHALL NOTIFY MEST DES MOINES WATER HORKS (55.3223465) AT LEAST ONE WEEK PRIOR TO BUILDING CONSTRUCTION.

 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE WEST DES MOINES WATER WORKS AND THE CITY'S CROSS

 CONNECTION CONTROL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION OF AN APPROVED BACKFLOW PREVENTION ASSEMBLY/IES).

 FOR CONTAINMENT IN ALL NEW CONSTRUCTION, BACKFLOW PREVENTION TO BE INSTALLED PER CITY OFFINANCE 129134—1940.

 CONTRACTOR SHALL NOTIFY THEIR PROJECTS HEST DES MOINES PHATER WORKS BEISHERING TECHNOLIAN (BS-2223465) MINIMAN OF 24

 HOURS AFTER INSTALLATION AND TESTING OF ALL BACKFLOW DEVICES TO SCHEDULE FINAL INSPECTION.

 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR STATIC WATER PROPERLY PRISEMER AND WHERE REQUIRED, PRESSURE REDUCING

 VALVE(S) AND TANCIS) SHALL BE INSTALLED DOWNSTREAM OF THE MATER METER(S) AND BACKFLOW ASSEMBLY(IES) SERVING THE SITE.

- GENERAL NOTES:

 1. CONTRACTOR SHALL ARRANGE FOR TESTING AND INSPECTION AND NOTIFY THE FOLLOWING AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION:

 a. CITY OF NEST DIES MOINES ENGINEERING SERVICES

 b. WEST DES MOINES WATER NORKS

- b. MEST DES MOINES MATER NORKS
 C. BOAL NEM ENGLAND, INC.
 d. CIVIL ENGINEERING CONSULTANTS, INC. PHONE: 515.276.4004
 e. IOWA ONE-CALL
 CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LEASES NEEDED TO CONSTRUCT THIS PROJECT.
 ALL ELEVATIONS ARE PROPOSED FINISHED GRADE AT CENTERLINE UNLESS OTHERWISE NOTED.
 THE LOCATION OF ENSTHING FACILITIES AND APPRICTEDIANCES SHOWN ON THIS PLAN ARE BASED ON AVAILABLE INFORMATION
 THROUT INCOVERNIA AND PREASURING TO DETERMINE EXACT FACILITIES LOCATIONS. GIVIL ENSINEERINS CONSULTANTS, INC.
 DOES NOT GUARANTEE THE LOCATION OF ENSTHIS FACILITIES AND APPRIVATE UTILITY PROVIDERS SERVING THIS AREA, AND
 IOWA ONE CALL, TO DETERMINE THE EXTENT AND PRECISE LOCATION OF EXISTING FACILITIES REFORMS
 BEFORE SERVING THIS AREA, AND
 IOWA ONE CALL, TO DETERMINE THE EXTENT AND PRECISE LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION
 BEGGINS.
- BEGINS.
 THE CONTRACTOR SHALL PROTECT EXISTING ON-SITE FACILITIES FROM DAMAGE RESULTING FROM THE CONTRACTOR'S MORK, IF DAMAGE, BREAKAGE, INTERRIPTION OF SERVICE, ETC. OF EXISTING FACILITIES DOES OCCUR THE CONTRACTOR SHALL

- IF DAMAGE BEHALAGE, INTERRIPTION OF SERVICE, ETC. OF EXISTING FACILITIES DOES OCCUR THE CONTRACTOR SHALL IMMEDIATELY CONTRACT THE UTILITY'S ONNER.

 6. THE CONTRACTOR SHALL RECONNECT ALL FIELD TILE INTERCEPTED DURING CONSTRUCTION.

 6. IF THERE ON THE CONSTRUCTION OF A SECTED THE OFFICE OF THE CONTRACTOR SHALL ENGINEER.

 7. IF THERE IS A DISCREPANCY BETWEEN THE DETAILED PLANS AND QUANTITIES SUMMARY PLEASE CONTACT CIVIL ENGINEERING CONSULTANTS, INC.

 7. ALL TRENCH BACKFILL SHALL BE 45% STANDARD PROCTOR DENSITY.

 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE FOR INSPECTIONS AS NEEDED.

 11. ALL SIGNING AND STRIPING SHALL CONFORM TO THE (MITCD) MANIAL ON UNIFORM TRAFFIC CONTROL DEVICES (FEDERAL HIGHWAY ADMINISTRATION, 2004 EDITION).

 12. PRIOR TO CONSTRUCTION OF ANY PUBLIC IMPROVEMENTS ASSOCIATED WITH THIS SUBDIVISION, CONSTRUCTION PLANS FOR SAID IMPROVEMENTS NEED TO BE SUBMITTED TO AND ARROYVED BY THE CITY ENGINEER.

 13. ALL CONSTRUCTION THE PUBLIC ROM/RASSMENTS, AND/OR ANY CONNECTION TO PUBLIC SEPTERS AND STREETS, SHALL CONSTRUCTION THE PUBLIC ROM/RASSMENTS, AND/OR ANY CONNECTION TO SUBJECT SHALL CONSTRUCTION TO THE PUBLIC SEPTEMBER OF THE PUBLIC SEPTEMBER OF THE PUBLIC PUBLIC SEPTEMBER OF THE PUBLIC SE TANDARDS AND FIDM ADDENDA.

 T LEAST ONE WEEK PRIOR TO ANY CONSTRUCTION WITHIN PUBLIC ROW/EASEMENTS AND/OR ANY CONNECTION TO PUBLIC
- 14. AT LEAST ONE MEEK PRIOR TO ANY CONSTRUCTION WITHIN PUBLIC ROUNCEASEMENTS AND/OR ANY CONNECTION TO PUBLIC SEVERS AND STREETS. HE CONTRACTOR SHALL CONTACT THE HOPE BUSINESSENION SERVICES (2022-9475) TO SCHEDULE ANY REQUIRED INSPECTIONS. IT IS IMPORTANT TO NOTE CITY APPROVAL OF THIS PLAN IS SUBJECT TO THE APPLICANT OBTAINING ALL RECESSANT EASEMENTS. AND APPLICABLE PERMITS.
 15. ALL CONNECTIONS TO PUBLIC SENERS OR STRUCTURES NEED TO BE CORE DRILLED.
 16. PAVEMENT REMOVAL SHOULD BE BETWEEN EXISTING JOINTS (FULL PANEL REMOVAL) IN ACCORDANCE WITH HIDM STANDARD CONSTRUCTION SPECIFICATIONS, LANE PERMIT AND STREET EXCAVATION PERMIT SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
 17. REMOVAL LIMITS FOR THE PROPOSED DRIVEWAY APPROACH WILL BE 15FT FROM BACK OF CURB AND TO THE NEAREST TRAVERSE JOINT ON EITHER END OF THE RADIUS.
 18. OVER-STORY TREES (DECIDIOUS OR CONTERNOLS), PRIVATE STRUCTURES AND PRIVATE STREET LIGHTS NEED TO BE LOCATED OUTSIDE OF PUBLIC SENER EASEMENTS.
 19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLIANCE WITH THE WEST DES MOINES WATER WORKS AND THE CITY'S CROSS CONNECTION CONTRACTION SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK OF ALL SURCOURTRACTIONS(S)

- THE CITY'S CROSS CONNECTION CONTROLL/CONTAINMENT PROVISION.

 THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK OF ALL SUBCONTRACTOR(S) INVOLVED IN THE PROJECT.

 CONTACT SILLIDING IMPECTION AT (515)222-3630 A MINIMUM OF A 24 HOURS IN ADVANCE FOR PRIVATE UTILITY INSTALLATION INSPECTION.

 THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE WEST DES MOINES MATER WORKS AND THE CITY'S CROSS CONNECTION CONTROLL/CONTAINMENT PROVISION.

 THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF AN APPROVED BACKFLOW PREVENTION ASSEMBLY ITED FOR CONTAINMENT IN ALL NEW CONSTRUCTION. BACKFLOW PREVENTION TO BE INSTALLED PER CITY ORDINAICE 129.1. SH. 1990. CONTRACTOR SHALL NOTIFY WEST DES MOINES MATER WORKS, RALPH RENTERIA.

 ENSINEERING TECHNICAL (SISS. 222-3465) A MINIMUM OF 24 HOURS AFTER INSTALLATION AND TESTINS OF ALL BACKFLOW DEVICES TO SCHEDULE FINAL INSPECTION.

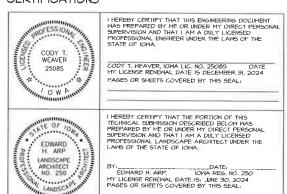
NPDES/SWPPP

I, THE OWNER AND/OR CONTRACTOR ARE REQUIRED TO OBTAIN A NPDES PERMIT AND FOLLOW THE REQUIREMENTS OF THE ASSOCIATED STORM WATER POLLUTION PREVENTION FLAN PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

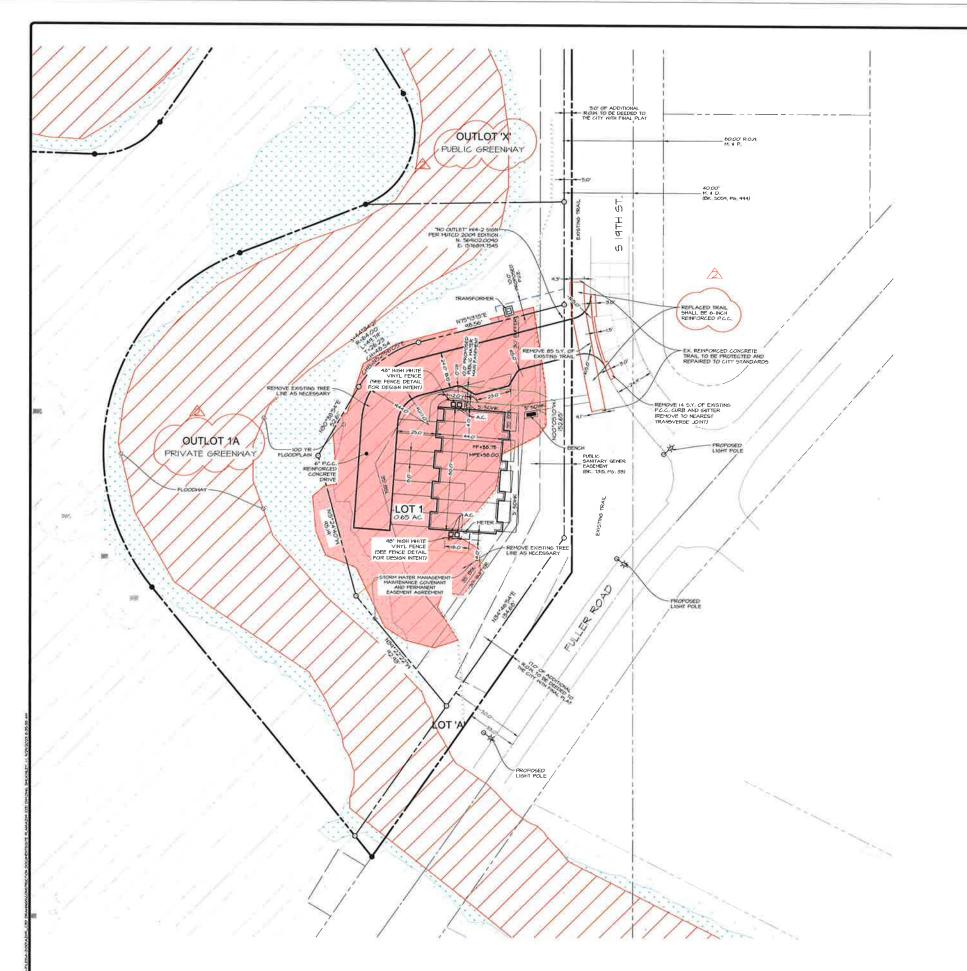
WATER MAIN QUANTITIES (PRIVATE):

HYDRANT, REDUCER, & 6-INCH VALVE SERVICE, TEE, 4 VALVE (BY OTHERS 8-INCH 225° BEND 8"x8" TAPPING TEE 4 VALVE

CERTIFICATIONS

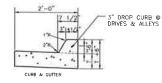


⊚IOWA ONE CALL 1-800-292-8989



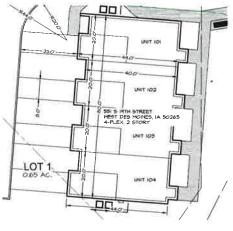


4' WHITE VINYL FENCE CONCEPT



CURB DETAILS FOR CONCRETE PAVING

NO SCALE



BUILDING DETAIL SCALE: 1"=20'

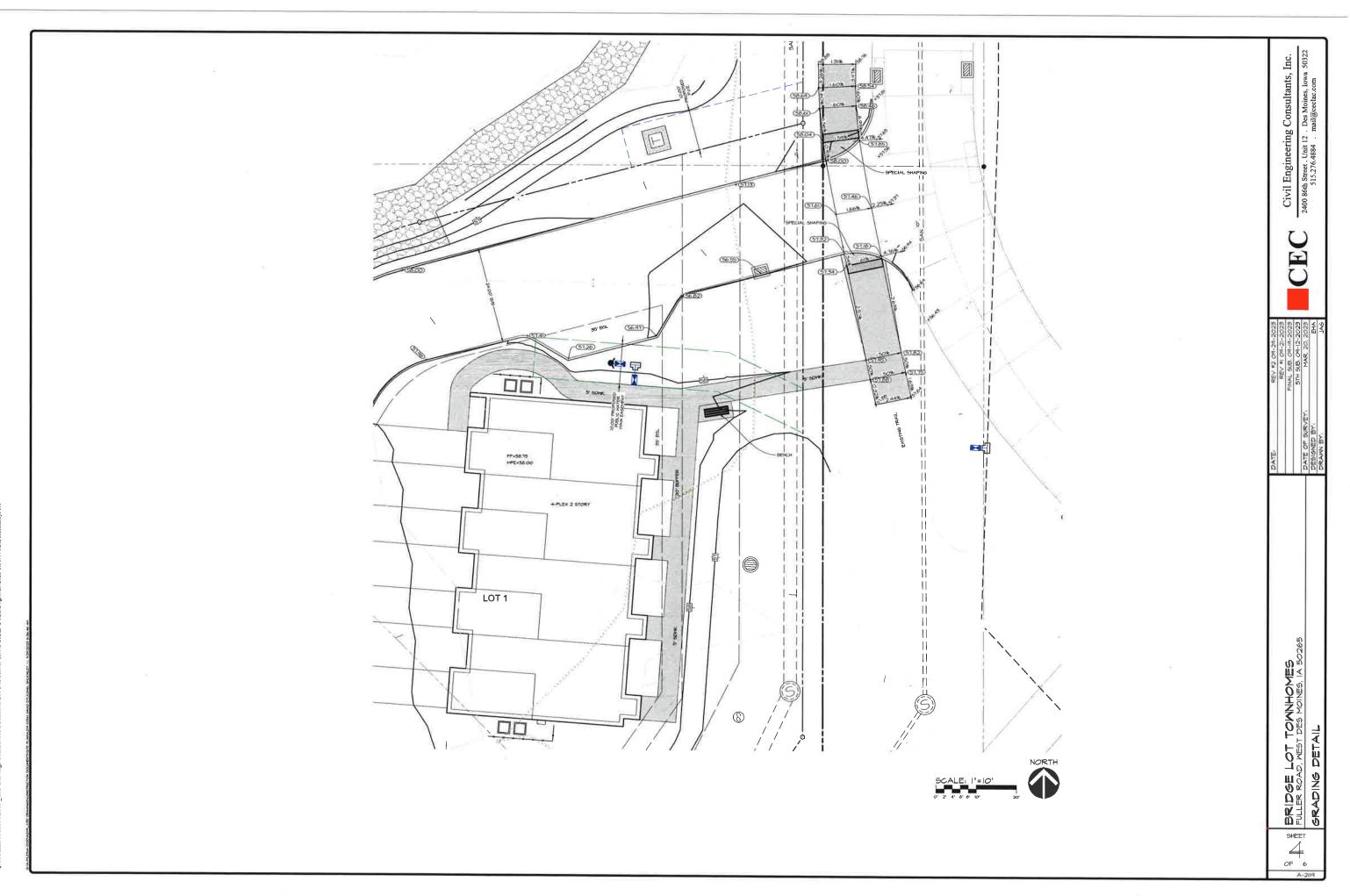
SHEET

OF 6

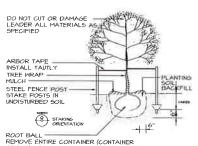
BRIDGE LOT TOWNHOMES FULLER ROAD, WEST DES MOINES, 1A 50265 DIMENSION AND DEMO PLAN

Civil Engineering Consultants, Inc. 2400 86th Street - Unit 12 - Des Moines. Iowa 50322 515.276.4884 - mail@ceclac.com

CEC

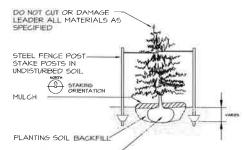


-FILES/A-2100/A2119, C3D Drawines/Construction Decuments/Sire Plan/A2119 (03A) GRAD DTTS dwg-9/29/203-8-36-44



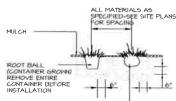
ROOT BALL
REMOVE ENTIRE CONTAINER (CONTAINER
REMOVE DR CUT ALL CORDS AND REMOVE
COVERING FROM TOP OF ROOT BALL
(BALL 4 BURLAPPED)

DECIDUOUS TREE PLANTING AND STAKING DETAIL



ROOT BALL
REMOVE ENTIRE CONTAINER (CONTAINER
GROWN), OR CUT ALL CORDS AND REMOVE
COVERING FROM TOP OF ROOT BALL
(BALL 4 BURLAPPED)

EVERGREEN TREE PLANTING AND STAKING DETAIL



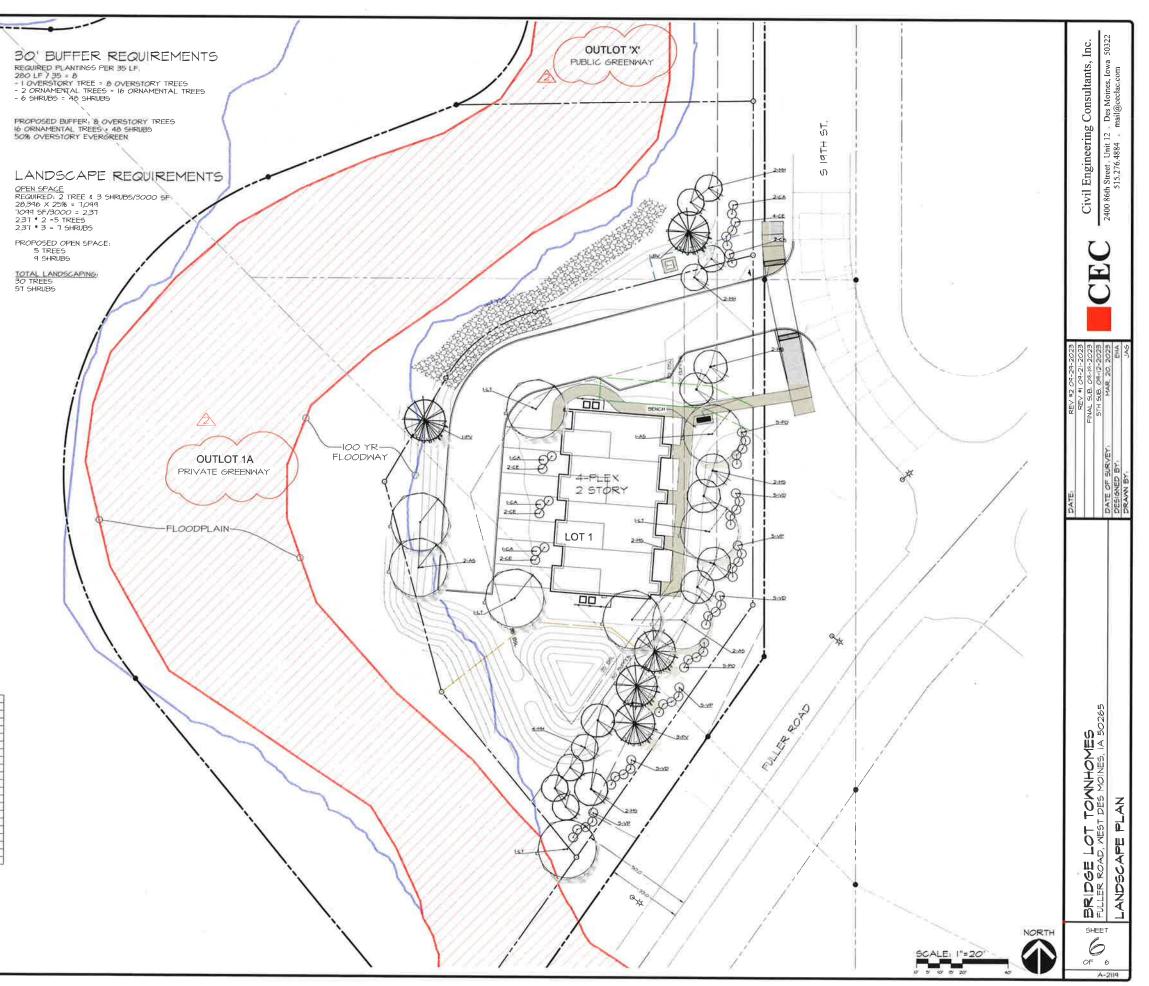
ROOT BALL (BALL4 BURLAPPED)
CUT ALL CORDS AND REMOVE COVERING
FROM TOP OF ROOT BALL BEFORE
INSTALLATION

SHRUB PLANTING DETAIL

NO SCALE

PLANT SCHEDULE

MARK	Batunical numer	QUAN	302	KOOT	COMMENTS
	COMMON NAME			TYPE	
AS	Ater speiherum subsp. Nigrum Green Column"	- 5	3" CAL	650	MATCHED, SPECIMEN
	GREEN COLUMN MAPLE				
CA	Cormus sampuines 'Coto'	.7.	1.5" CAL.	868	MATCHED, SPECIMEN
	ARCTIC SUN DOGWOOD				
C¢.	Cornus serica "Fortaw"	10	5 GAL	CONT.	MATCHED, SPECIMEN
	ARCTIC FIRE DOGWOOD				6, OC WATCH RED
1.7	Liniodendron tulgfero 's/\$-Oz'	4	15"CAL	65.15	MATCHED, SPECIMEN, 30' OC
	EMERALD CITY TULIPTREE				
MH	Moles 'Hezone'		15°CAL	CONT	MATCHED, SPECIMEN
	HOUGAY GOLD CRABAPPLE				
Nis	Mafux 'Sulycom'	1.0	2"HT.	655	MATCHED, SPECIMEN
	SUGAR TYME CRABAPPLE			100	10.00
PO	Physiocerpus opulfolus Walty Spice*	10	7'HT.	855	MATCHED, SPECIMEN
	HURY SPICE NINEBANK				10.00
ev.	Pines flexilis Venderwolf's Pyromid'	5	2"HT.	868	MATCHED, SPECIMEN
	VANDERWOLF'S PYRAMID LIMBER PINE			-	10,00
VO	Viburnum dencotum "Lil 20e"	15	15°CAL	CONY.	MATCHED, SPECIMEN
	LIL YOU VIBURNUM			5	IS DC
VP.	Miturum picutum Newsom!	15	15"CAL	CONT.	MATCHED, SPECIMEN
	NEWFORT VIBURNUM				140.000



PART III. NON-STORM MATER DISCHARGES.

ALL DISCHARGES AUTHORIZED BY PERMIT SHALL DE COMPOSED ENTIRELY OF STORM MATER EXCEPT FOR MON-STORM MATER DISCHARGES FLORED WITH THE PROPRIATE CONTROL NEASARES FOR NON-STORM MATER DISCHARGES LIGHTED MITH.

AZ DISCHARGES FROM RIVE FIGHTINS ACTIVITY;
FIRE HYDRANT FUSHINGS,
NON-DETERGENT LADEN MATER FROM MASHING VEHICLES;
FOR HYDRANT FUSHINGS,
FOR HALL CORRESS IN HATER FROM MASHING VEHICLES;
FOR HALL CORRESS IN HATER LIVE FUSHING, AND REVISOR TO DRAINASS;
FOR HALL CORRESS IN HATER LIVE HAS BEEN NO INCLEASED LEAKS OR SPILLS OF TOXIC OR HAZARDOUS
MATERIALS, AND MERCE DETERGENTS ARE NOT USED.
ARE CONDITIONING CONCENSOR TO THE TOXIC OR HAZARDOUS
ARE CONDITIONING CONCENSOR TO THE TOXIC OR HAZARDOUS
STRINGS OF INCANTAMINATED FOR MOTOR OF TOXIC OR HAZARDOUS
HACCHITAMINATED FOR MOTOR TOXIC OF TOXICS.

PART III B. ANY ORNER OR OFFEATOR IDENTIFIED II POLLUTION PREVENTION PLAN IS SUBJECT TO SPILL
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SOUTH PREVENTIAL OF OS SEES TO PREVENTIAL OR RECOMMENDED.

EINFLETENTATION OF STEPS TO PREVENT ANY REOCCURANCE OF SUCH RELEASE, AND TO RESPOND TO

SICH LASSES.

21 III.C. FEDERAL CONSTRUCTION AND DEVELOPMENT EFFLIENT GUIDELINES FOR ALL SYEES AND ACTIVITIES

JURINOS THIS PREVENT SHALL CONSTRUCTION AND DEVELOPMENT EFFLIENT GUIDELINES FOR ALL SYEES AND ACTIVITIES

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JURINOS THE REPORT SHALL CONTROL STORM HARE AND VEICLETT ON INITIALE POLLUTANT DEVIANDED TO EACH SITE:

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AND TOTAL STORM HATER VOLUME, TO MINITIZE CHANNEL / STEEMBANK EROSION, AND SCOR IN

AND TOTAL STORM HATER VOLUME, TO MINITIZE POLLUTANT DEVIANDER REPORTS.

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 SIGNATURE
REPORTS SHALL CONFORM TO STANDARDS SET BY IOWA DINR, COPIES OF REPORTS SHALL BE FORWARDED TO YEAR
YEAR TRACTOR IS TO TAKE NECESSARY ACTION TO COPIES.

S PRACTICAL BY BY THE PROPERTY OF THE PR OWER, THE STORY IS TO TAKE RECESSARY ACTION TO CORRECT DEPICIENCIES FOAR DURING INSPECTIONS AS SOON ACCURATING UNES BY THIS CASE LATTER THAN SEVENT—THE OTEN MAKE AFTER INSPECTION. RECORDS SHALL BE RETAINED FOR AT LEAST THREE YEARS OR WITL PROJECT TENHALION AND AN NOD, HAS DEED FILED WITH LONG. PART IV D.3. IMPLEMENTATION / MAINTENANCE

MAINTAIN ERRECTIVE OFFERTING COURTIONS OF ALL PROTECTIVE HEARINES IDENTIFIED ON PLAN.

PRICIA TO INTIAL GRADING, ISSTALL PRICINES SILT FRICE TO PROTECT INDISTINGED AREAS.

PRICIA TO INTIAL GRADING, ISSTALL PRICINES SILT FRICE TO PROTECT INDISTINGED AREAS.

PRICIA TO INTIAL GRADING, ISSTALL PRICINES SILT FRICE TO PROTECT INDISTINGED AREAS.

PRICIA TO INTIAL GRADING CONSTILLT DIVERSION DRAINAGE SHALES ON UPHILL SIDES OF DISTURBED AREA TO DIVERT UPHILL RUNCH PROM EXPOSED SICK GOISTINGTON TO PROCEED.

COVER OR STABILIZE DISTURBED AREAS AS SOON AS PROSSIBLE.

INTIAL CRADING SITURGED AREAS AS SOON AS PROSSIBLE.

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DEFENDENCE OF SECULOTION AS A DESCRIPTION OF ADDITION OF THE POPERTY OF THE PALL DISTURBED AREA OF THE PALL DI

LOCATIONS AND DISENSIONS SHOWN ON PLANS FOR EXISTING UTILITIES ARE IN ACCIRDANCE WITH AVAILABLE INFORMATION WITHOUT INCOMERNIS AND PRASSINS, BESINEER DOES NOT GUARANTEE ACCURACY OF RECEMBATION REMAINS. IT IS PERSONABLIFY OF COMMANDER ACCURACY OF RECEMBATION AND THAT ALL PRESENT EXTENT AND EXACT LOCATION OF FAILURES BESINES WERE YOUR ACCURACY ALL PRESENT EXTENT AND EXACT LOCATION OF FAILURES BESINES AREA.

CONTRACTOR IS REQUIRED TO TAKE DIE PRECAUTICINARY HEAGURES TO PROTECT UTILITIES OR STRUCTURES AT SITE IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO NOTIFY OWNERS OF UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING FORCE, CONTRACTOR SHALL NOTIFY PROTECT UTILITY DISEDUATES, UTILITY LINE OR APPLICATIONS OF SHALL THE STRUCTURE OF A PRIVATE AND SHALL SHALL SHOULD SHALL NOTIFY HORISING FOR CONFLICT HAY BE RESOLVED.

F. STRIP TOPSOIL FROM ALL AREAS WHICH ARE TO RECEIVE STRUCTURAL FILL.

6 AREAS TO RECEIVE FILL TO BE BENCHED

H. PREPARE BOTTOM OF BENCH FOR FILL BY DISCING TO DEPTH OF 6-INCHES AND COMPACT, ANY LOCALIZED AREAS HELDI CANNOT BE SATISFACTORILY COMPACTED OR PHICH SHOW EVIDENCE OF PUMPING ACTION SHALL BE SATISFACTOR AND RECOMPACTED WITH CASTIF FILL.

ALL SHE GRAD TO FOR STRUCTURAL FILL SHALL BE COMPACTED TO DENSITY NOT LESS THAN 45% STANDARD PROCEDURAL FILL SHALL BE COMPACTED TO 15% STANDARD PROCEDURAL FILL SHALL BE COMPACTED TO 15% STANDARD PROCEDURAL.

K. ALL AREAS WHICH ARE TO RECEIVE PAVING SHALL HAVE TOP 12-INCHES DISCED AND RECOMPACTED TO 95% STANDARD PROCTOR DENSITY.

L. MOISTURE CONTENT OF FILL MATERIAL SHALL MATCH "IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS" BETWEEN O'S AND 4% OVER OPTIMUM MOISTURE.

M. MAINTAIN ALL CUT AND FILL AREAS FOR SURFACE DRAINAGE AT ALL TIMES.

N. FINAL GRADES WITHIN PAYED AREAS SHALL BE MITHIN OUT OF PLAN GRADE. ALL OTHER AREAS TO BE INTHIN OUT OF PLAN GRADE. TOPSOIL SHALL BE RESPREAD TO MINIMAM THICKNESS OF OUNCLES ON ALL DISTRIBLE MAYAND AREAS.

P. BACKFILL TO TOP OF ALL ROCK OR PAVED SIRFACES.

Q ADDITIONAL SILT FENCING MAY BE REQUIRED BY GITY AFTER FIELD INSPECTION

GRADING AND EROSION CONTROL NOTES

1. CONTRACTOR SHALL ARRANCE FOR TESTING AND INSPECTION AND NOTIFY THE FOLLOWING AT LEAST ONE MEEK PRIOR TO BE DEBANNIS CONSTRUCTION.

2. CITY OF MEST DES MOINES, ENGINEERING SERVICES DEPARTMENT,

3. APPLICANT

4. CONTR. ENGINEERING CONSULTANTS, INC.

2. LOCATION OF EXISTING FACILITIES AND APPLITTENANCES SHOWN ON FILAN ARE BASED ON AVAILABLE INFORMATION WITHOUT UNCOVERING AND MEASURING TO DETERMINE EXACT FACILITIES LOCATIONS, CIVIL ENSINEERING COMMUNITY, BIC, DOES NOT GOADWARD LOCATION OF DETERMINE FACILITIES AS SHOWN, OF THAT ALL EXISTING FOR COMMUNITY OF THE PROPERTY AND PRECISE LOCATION OF EXISTING FACILITIES BEFORE CONTROLLING TO STREET AND PRECISE LOCATION OF EXISTING FACILITIES BEFORE CONTROLLING TO STREET AND PRECISE LOCATION OF EXISTING.

CONTRACTOR SHALL PROTECT EXISTING ON-SITE FACILITIES FROM DAMAGE RESULTING FROM CONTRACTORS HORK IF DAMAGE, INTERNACE INTERPRETION OF SERVICE, ETC. OF EXISTING FACILITIES DOES OCCUR CONTRACTOR SHALL IMPEDIATELY CONTACT UTILITY'S OWNER.

4. STRIP ALL VISIBLE TOPSOIL ONGITE AND STOCKPILE FOR RESPREAD ON NON-PAVED AREAS THAT ARE DISTURBED DURING CONSTRUCTION, MUST HAVE AT LEAST 8 INCHES OF TOPSOIL AT TIME OF FINAL STABILIZATION,

5. UNLESS GRADING FOR DESIGNED SUMP OR LOW POINT AREA, GRADE ALL SITE AREAS TO DRAIN WITHOUT TRAPPING OR PONDING SURFACE WATER WHEN SITE GRADING IS COMPLETE.

7. SPOT ELEVATIONS ON PAVED SURFACES ARE TOP OF SLAB UNLESS NOTED OTHERWISE

9. GEOTECHNICAL REPORT FOR PROJECT CAN BE OBTAINED BY CONTACTING OWNER.

IO. ALL DETENTION POND GRADING SHALL BE FIELD VERIFIED BY DESIGN ENGINEER AND AS-BUILTS SHALL BE PROVIDED TO CITY WITH LETTER OF CERTIFICATION FROM ENGINEER THAT POND MAS CONSTRUCTED TO DESIGN.

II. CONTRACTOR SHALL CERTIFY ON AS-BUILT PLAN THAT STORMMATER MANAGEMENT FACILITY WAS CONSTRUCTED TO ADDRESS ALL PROST RIFE WITHIN DEVELOPMENT.

12 ALL LOTS SHALL HAVE MINIMUM OF 2% SLOPE ACROSS LOT

13. FINAL EROSION CONTROL SEEDING SHALL BE USED ON ALL DISTURBED AREAS, ALL INTAKES TO HAVE BELOW GRADE INLET PROTECTION WHEN STREETS ARE BEING PAYED.

14. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH 0.5.H.A. CODES AND STANDARDS. NOTHING INDICATED ON PLANS SHALL RELIEVE CONTRACTOR FROM COMPLYING WITH ALL APPLICABLE SAFETY REGULATIONS.

15. CONTRACTOR SHALL CONDUCT CLEAN UP, SURFACE RESTORATION, AND SURFACE REPLACEMENT ACTIVITIES AS CONTRACTION PRODUCTSSES, ALL DEBRIS SPILLED ON ROAL OR ON ADJACENT PROPERTY SHALL BE PROVED UP BY CONTRACTOR AT END OF FACE DAY.

16. ALL AREAS TO RECEIVE FILL TO BE BENCHED.

IT, PREPARE BOTTOM OF BENCH FOR FILL BY DISCING TO DEPTH OF 6-INCHES.

18. ALL STURCTURAL SITE GRADING FILL SHALL BE COMPACTED TO DENSITY THAT IS NOT LESS THAN 95% STANDARD PROCTOR, MOISTURE CONTENT OF FILL MATERIAL SHALL MATCH INBAN STANDARD.

19. SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, BETWEEN O AND 4% OVER OPTIMUM MOISTURE

20 MAINTAIN ALL CUT AND FILL AREAS FOR SURFACE DRAINAGE AT ALL TIMES

SEQUENCE OF MAJOR ACTIVITIES

I. FRE-CONSTRUCTION. SILT FENCE HILL BE PLACED BY CONTRACTOR PRIOR TO BEGINNING GRADING OR CLEARING AND GRUEDING OPERATIONS ALONG PERIMETER OF PROJECT AT LOCATIONS IN HIGH RINGER CAN MOVIE OFFISITE, VEGETATION IN AREAS NOT IEDED FOR CONSTRUCTION SALL BE PRESERVED, SILT FENCE SHALL REMAIN IN PLACE UNTIL FINAL STABILUTATION HAS BEEN ACHIEVED. SEE SHAPP FOR TREE PRESERVATION.

2 CONSTRUCTION ENTRANCE GRADE AREA OF CONSTRUCTION ENTRANCE AND PLACE 8" THICK LAYER OF 3" CRUSHED LIMESTONE IN AN AREA NOT LESS THAN 20" HIDE, EXTENDING INTO SITE PER PLAN.

5 SRADINS, AFTER GRADING OPERATIONS HAVE BEEN CONFILETIO, ALL AREAS THAT WILL NOT BE DISTURBED BY SUBSEQUENT CONSTRUCTION ACTIVITIES SHALL BE SELDED IN FICIATELY.

4. FINISH GRADING AND SEEDING: FINISH GRADING AND PERMANENT SEEDING SHALL BE COMPLETED AS SOON AS IT IS PRACTICAL.

5. SUBMIT NOD, TO LONR UPON FINAL STABILIZATION.

SEDIMENT AND EROSION CONTROL QUANTITIES

INLET FILTER BASKETS
CONSTRUCTION ENTRANCE
TEMPORARY SEEDING (AS NEEDED)
SEEDING TYPE 2 (PERMANENT)

AREA OF DISTURBANCE

EROSION CONTROL PLAN - NOTES BRIDGE LOT TOWNHOMES WEST DES MOINES, IOMA

CONTRACTOR CERTIFICATION

CERTIFY INDER PENALTY OF LAW THAT I INDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLUTIANT DISCURRING ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORISES THE STORM HATER DISCURRING ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORISES THE STORM HATER DISCURRING ASSOCIATED HIM INDERSTAND. RETURNED YET SHOWNED AND OTHER CONTRACTORS AND CONFERMITTER ALONS WITH THE OWNERS) AND OTHER CONTRACTORS AND CONFERMITTER ALONS WITH THE OWNERS) AND OTHER CONTRACTORS AND THAT INDERSTAND AND THE CONTRACTORS AND CONFERMITTER TO SHOW IN A THE CONTRACTOR OF SHEERAL PENNIT NO. 2 FOR "STORM HATER DISCURRED AND AND THE CONTRACTOR THE DISCURRED STILL AS CONFERMITTER. INDERSTAND THAT I AND MY COMPANY AND ELECALLY REQUIRED MODEL THE CLEAN MATER ACT AND THE STORM HATER POLUTION REVENUENCED MODEL THE CLEAN MATER ACT AND THE STORM HATER POLUTION REVENUENCED MODEL THE CLEAN MATER ACT AND THE STORM HATER POLUTION REVENUENCED MODEL THE CLEAN MATER ACT AND THE STORM HATER POLUTION REVENUENCED MODEL THE CLEAN MATER ACT AND THE STORM HATER POLUTION REVENUENCED MODEL THE CLEAN MATER ACT AND THE STORM HATER POLUTION REVENUENCED HAD BEEN MODELS THIS MPDES PERMIT AND THE TERMS OF THIS MPDES PERMIT.

DATE

DATE

SHEET | OF 3

GENERAL CONTRACTOR NAME / TITLE:

COMPANY:

SUBCONTRACTOR

SUBCONTRACTOR

NAME / TITLE. COMPANT:

THE PERSONAL PROPERTY.

OWNER'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAN THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE OBJECTAL NATIONAL POLLUTIANT DISCHARGE ELIMINATION SYSTEM IMPDES) PERMIT THAT AUTHORIZES BE STORM HARTER DISCHARGES ASSOCIATED METHOD PROPERTY OF THE STORM HARTER DISCHARGES ASSOCIATED METHOD FROM THE PLANT HARTER BY MY SWAMATINE. I UNDERSTAND THAT I AN TELECORY A CONTRIBUTION OF THE CONTRIBUTION AND SECONDARY CONTRIBUTION SHOWN SELF CENTRIFIED AND THE CONTRIBUTION AND SECONDARY CONTRIBUTION OF THE CONTRIBUTION AND SECONDARY CONTRIBUTION OF THE STORM HAVE POLICION OF THE MY OF THE STORM HAVE POLICION OF THE MY OFTEN OF THE MY DESPENANT, AND EVENANT OF THE STORM HAVE POLICION OF THE MY OFTEN OFT

I CERTIFY INDER PENALTY OF LAN THAT THIS DOCUMENT AND ALL ATTACHMENTS KERE FREPARED INDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSISTE THAT DUALIFIED PRESONE FOR PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBHITTED, BASED ON MY INDURY OF THE PERSON OR PRESOND PROCEDURE OF THE PERSON OR PRESOND FURTHER THE INFORMATION SUBHITTED IS, TO THE BEST OF MY TRYCHICAGE AND BELLET THE ACCURATION SUBHITTED IS, TO THE BEST OF MY TRYCHICAGE AND BELLET THEY ACCURATE AND COMPLETE. I AM ANAME THAT THERE ACCURATE AND COMPLETE IN AN ANAME THAT THERE ARE SUBHIFICANT FOR THE AND INFORMATION INCLIDING THE PROSIDENTY OF THE AND IMPRISONMENT FOR KNOWING VOLATIONS.

AME / TITLE		
COMPANY: SIGNATI	RE COMMERCIAL	PATE
TELEPHONE NUMBER	5 5-22 -9990	

S.U.D.A.S. REFERENCES

NAME / TITLE DATE: TELEPHONE MANSER. OTHER NAME / TITLE: DATE TELEPHONE NAMEER.

LEGEND

* SILT FENCE

EXISTING/PROPOSED



INLET PROTECTION (FILTER SOCK)

DIVERSION DITCH









VICINITY SKETCH



OXNHOMES DES MOINES, IA 5 O F 10 <u>0</u> O or BRD FULLER F $\mathbf{D} \otimes |$

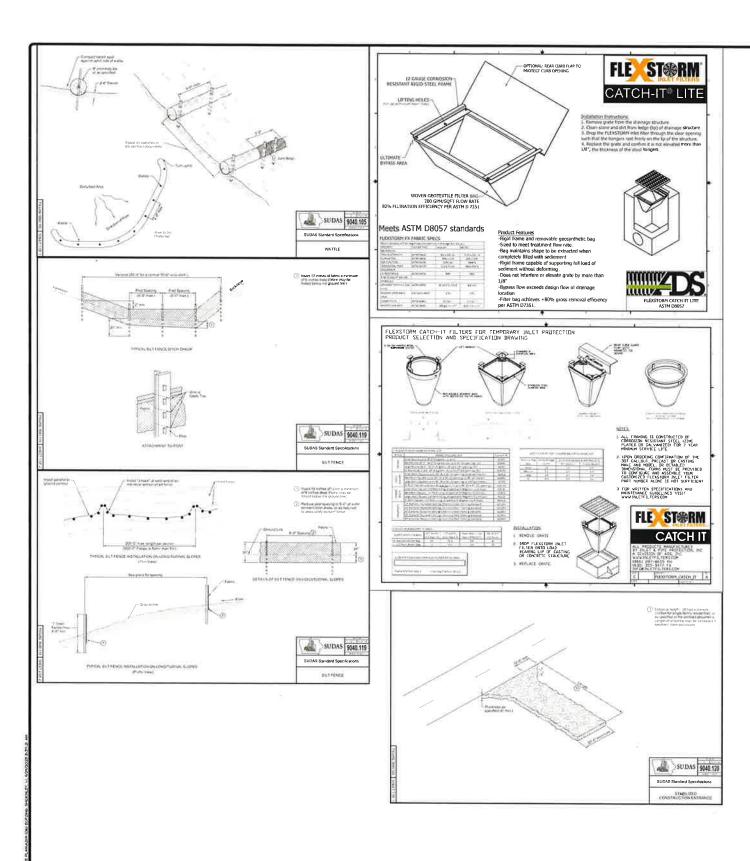
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NPDES PERMIT DISCHARGE
AUTHORIZATION NUMBER
CITY OF WEST DES MOINES G

> 88 8 XA

SHEET



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EROSION CONTROL PLAN - DETAILS BRIDGE LOT TOWNHOMES WEST DES MOINES, IOWA SHEET 3 OF 3

NPDES PERMIT DISCHARGE
AUTHORIZATION NUMBER
CITY OF WEST DES MOINES GRADING
PERMIT NUMBER XXXXX-XXXXX BRIDGE LOT TOWNHOMES FULLER ROAD, WEST DES MOINES, IA 50265 EROSION CONTROL DETAILS SHEET S OF 3

PORTSMOUTH SHAKE, COLOR: TREE MOSS

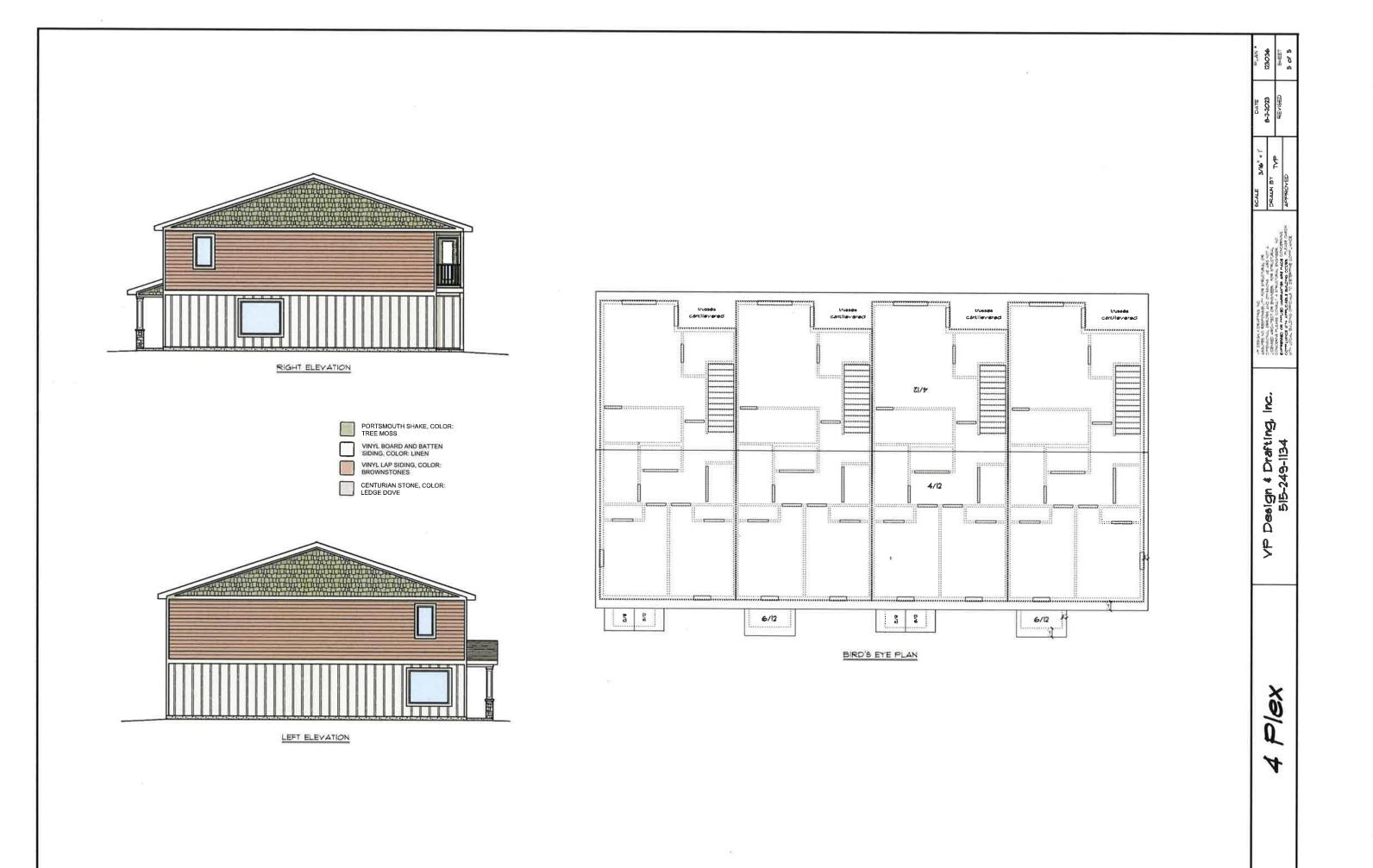
VINYL BOARD AND BATTEN SIDING, COLOR: LINEN

VINYL LAP SIDING, COLOR: BROWNSTONES





and pindley trim



REAR ELEVATION

Material Details:

- Shingles: GAF Timberline HD, Color: Weathered Wood
- Siding: Royal Building Solutions

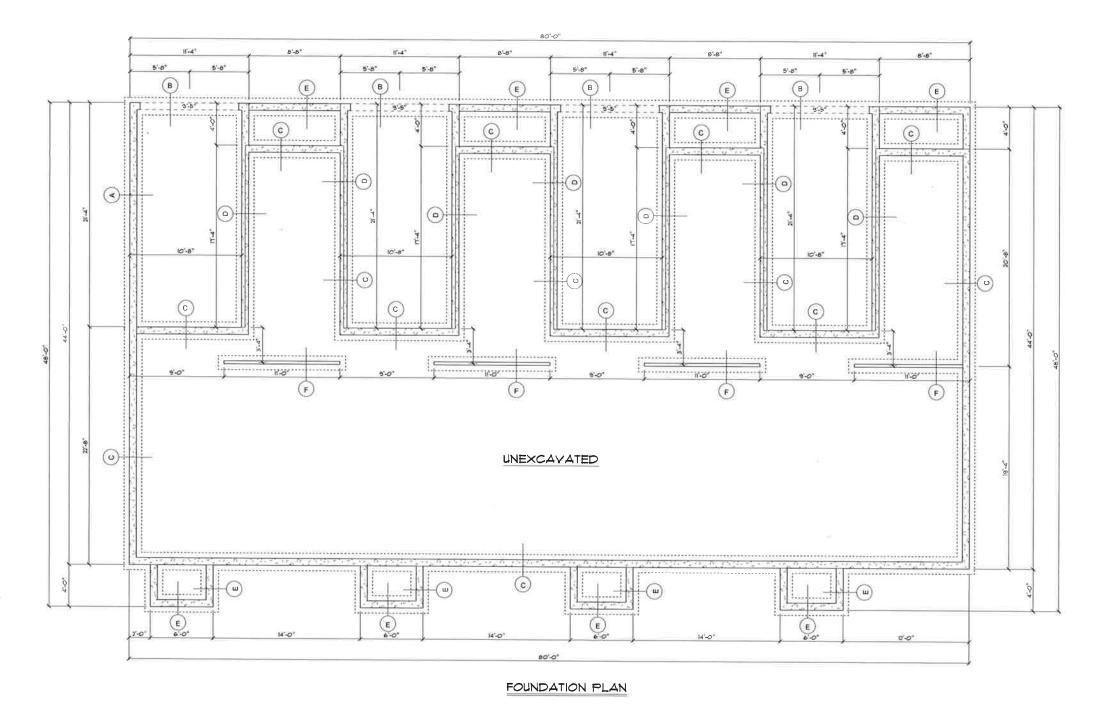
 1. Shake: Portsmouth Shake by Royal, Color: Tree Moss
 - 2. Horizontal: Royal Residential Vinyl, Color: Brownstones
 - 3. B&B: Royal Vinyl B&B, Color: Linen
- 4. Trim: Royal Suredge, Color: WhiteNatural Stone: Centurion Stone, Color: Dove
- Windows: White Vinyl, Manufacturer TBD
- Deck Railing: Aluminum, Color: Black
- Overhead Doors: C.H.I. Insulated 4 Panel Doors, Color: White
- Screening Wall: Vinyl, Color: White



FRONT ELEVATION

4" corner trim and window trim Design ¢ Drafting, 515-249-1134

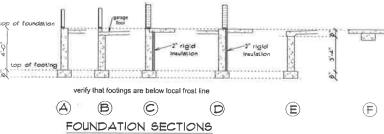
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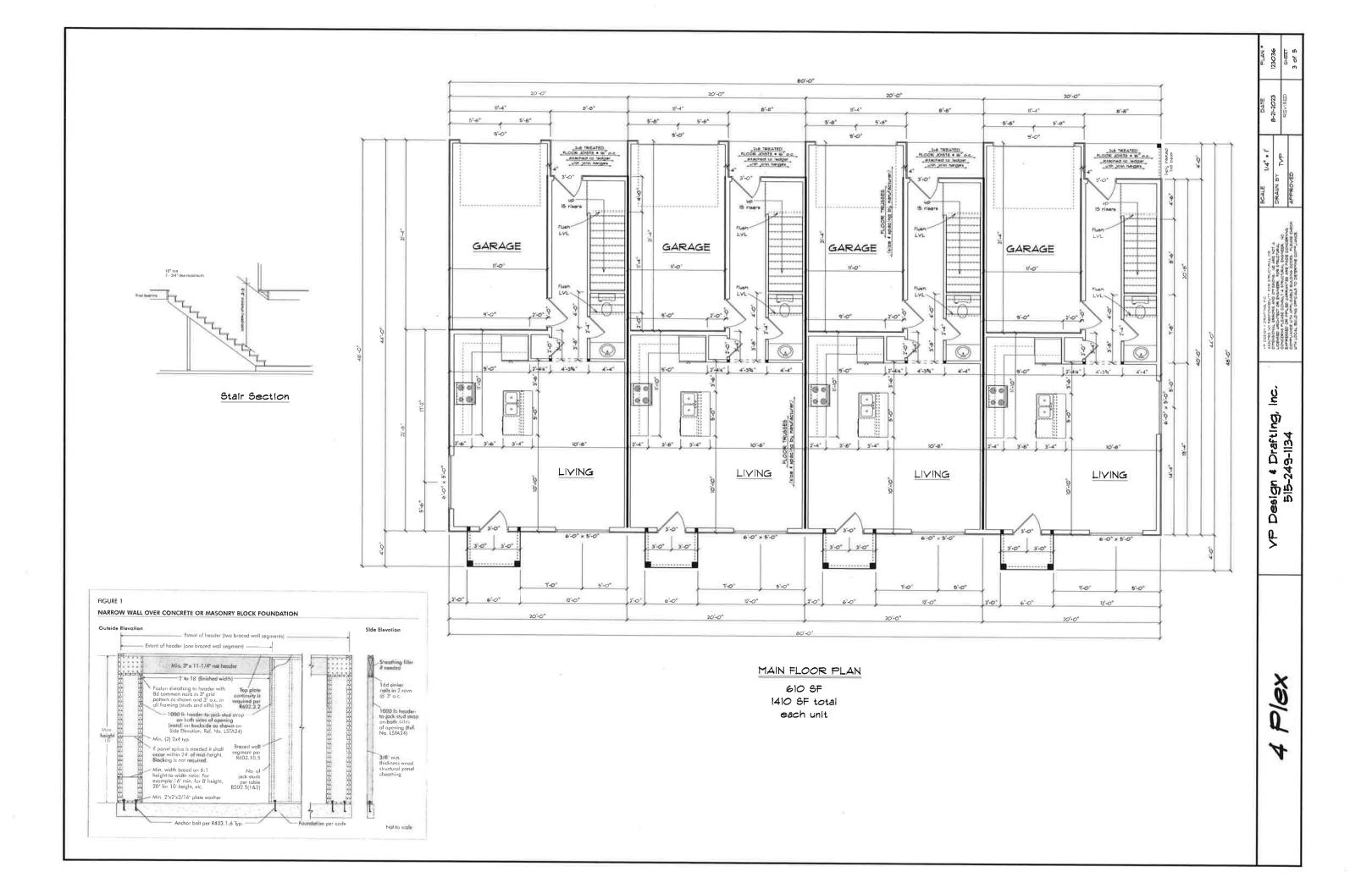


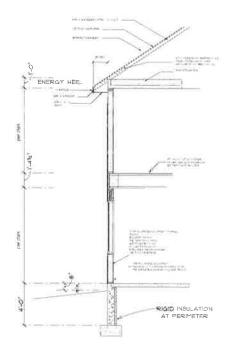
Design ¢ Drafting, 515-249-1134

General Notes

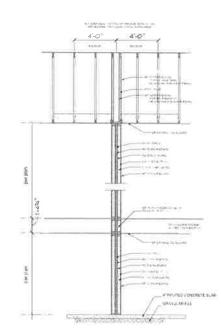
- -Verify local frost depth requirements
 -All footings designed for 2000 PSF soil bearing capacity
- -8" poured concrete foundation walls w/ 16"x8" concrete footings w/ (2) #4 rerods continuous
- -2-2xi2 headers over all exterior openings unless noted otherwise
- -trues manufacturer to size members and set spacing of all floor and roof trusses (max spacing 24" o.c.)
- -bedroom windows and basement egress windows to meet or exceed egress requirements
- -verify all rough opening sizes
- -place smoke detectors as required by local building codes
- -follow manufacturer's instructions for installation of all components
- -insulate and sheath behind all bathtubs and fireplaces on exterior walls







Wall Section



Common Wall Detail



Design & Drafting, 515-249-1134

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Plex X

SECOND FLOOR PLAN 800 SF

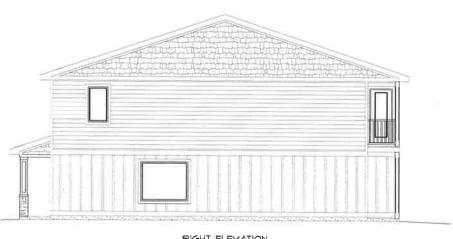
each unit

trusses cantilevared

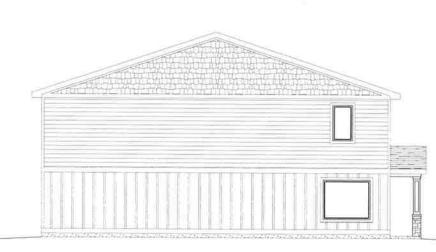
trusses cantilevered

6/12

4/12



RIGHT ELEVATION



LEFT ELEVATION