

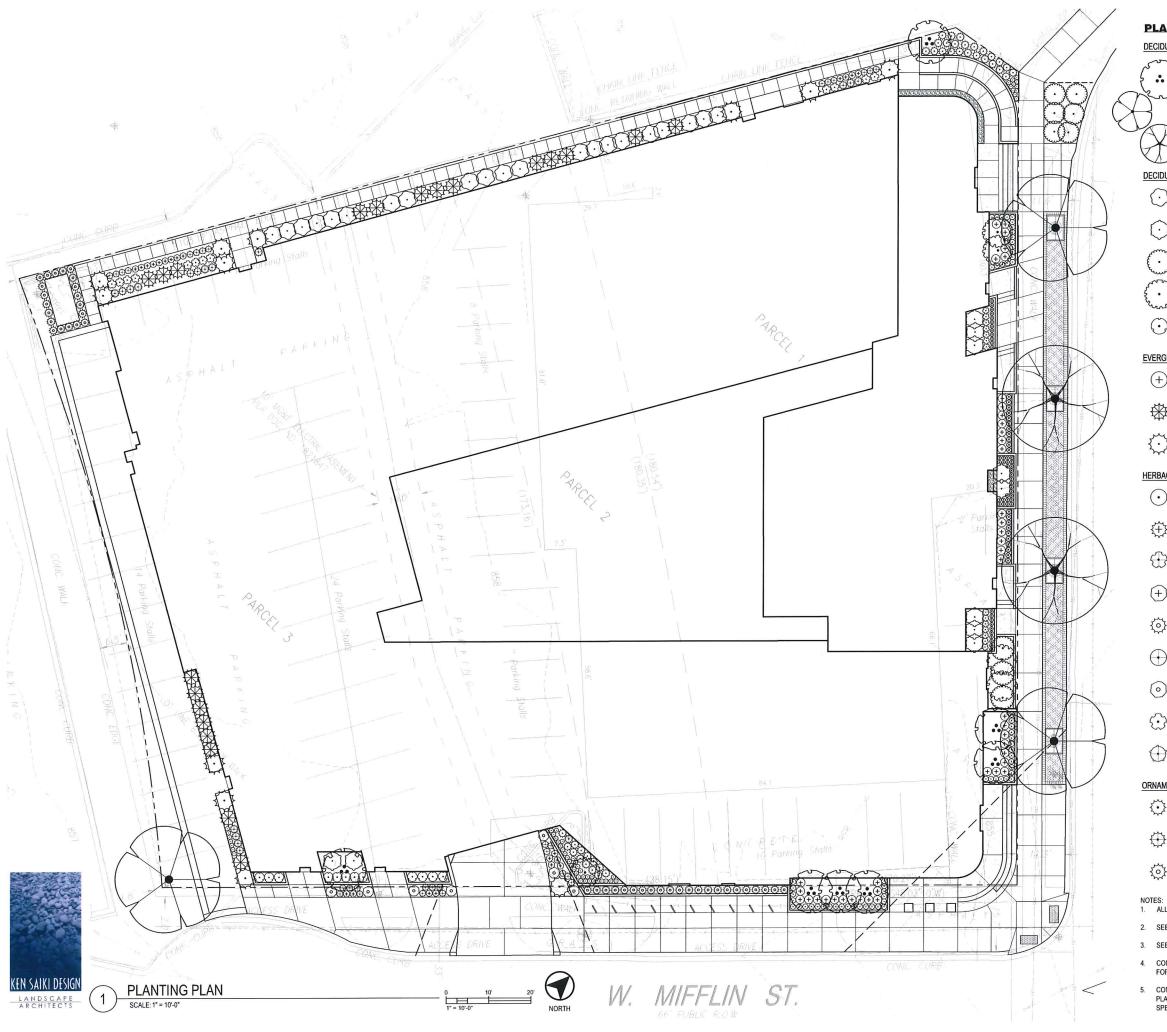
Site Plan

1" = 20'-0"

CA Residential Madison Student Housing

Shepley Bulfinch

ley Buffinch Richardson & Abbott [3443 North Central Avenue, Phoenix, AZ 85012 | T.602.430.3223 | www.Shepley8



PLANT SCHEDULE

DECIDUOUS TREES	CODE	BOTANICAL NAME / COMMON NAME	QTY
(··)	ARH	Amelanchier x grandiflora 'Robin Hill' / Apple Serviceberry	7
A.	GAG	Ginkgo biloba 'Autumn Gold' TM / Maidenhair Tree	3
	GDE	Gymnocladus dioica 'Espresso' / Kentucky Coffeetree	2
DECIDUOUS SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	QTY
\odot	Aib	Aronia melanocarpa `Iroquois Beauty` TM / Black Chokeberry	21
\bigcirc	Haa	Hydrangea arborescens 'Annabelle' / Annabelle Smooth Hydrangea	10
\bigcirc	Rgl	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	9
Exercise Services	Rtb	Rhus typhina 'Baltiger' TM / Tiger Eyes Sumac	5
\odot	Sbt	Spiraea betulifolia 'Tor' / Birchleaf Spirea	12
EVERGREEN SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	QTY
+	Bgg	Buxus x 'Green Gem' / Green Gem Boxwood	43
*	Jcs	Juniperus chinensis 'Spartan' / Spartan Juniper	21
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Jcc	Juniperus sabina `Calgary Carpet` TM / Calgary Carpet Juniper	12
HERBACEOUS PERENNIALS	CODE	BOTANICAL NAME / COMMON NAME	QTY
\odot	asb	Allium tanguticum 'Summer Beauty' / Summer Beauty Globe Lily	50
{+ }}	asp	Astilbe chinensis 'Pumila' / Dwarf Pink Astilbe	21
(acv	Astilbe chinensis 'Visions in Red' / Chinese Astilbe	14
+	cnn	Calamintha nepeta ssp. nepeta / Lesser Calamint	22
(<u>o</u>)	cid	Carex x 'Ice Dance' / Ice Dance Sedge	48
\oplus	gbv	Geranium macrorrhizum `Beven`s Variety` / Beven`s Variety Geranium	60
\odot	nwl	Nepeta x faassenii 'Walkers Low' / Walkers Low Catmint	7
\odot	pls	Perovskia atriplicifolia 'Little Spire' TM / Little Spire Russian Sage	12
\oplus	saj	Sedum x `Autumn Joy` / Autumn Joy Sedum	30
ORNAMENTAL GRASSES	CODE	BOTANICAL NAME / COMMON NAME	QTY
*	ckf	Calamagrostis x acutiflora `Karl Foerster` / Feather Reed Grass	38
#	pnw	Panicum virgatum 'North Wind' / Northwind Switch Grass	16
101	pvs	Panicum virgatum `Shenendoah` / Burgundy Switch Grass	42
NOTES: 1. ALL PLANTING BEDS SHALL	RECEIVE	3" OF SHREDDED HARDWOOD BARK MULCH.	

- ALL PLANTING BEDS SHALL RECEIVE 3" OF SHREDDED HARDWOOD BARK MULCH.
- 2. SEE CIVIL DRAWINGS FOR SITE DEMOLITION, LAYOUT AND GRADING.
- 3. SEE CIVIL DRAWINGS FOR INFORMATION PERTAINING TO STORMWATER MANAGEMENT.
- 4. CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4891) AT LEAST ONE WEEK PRIOR TO FORMING CONCRETE AND CONSTRUCTING TREE GRATES TO DETERMINE TREE LOCATIONS.
- CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4891) AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

MADISON STUDENT HOUSING

PRELIMINARY ENGINEERING PLANS

114 NORTH BEDFORD STREET MADISON, WI 53709

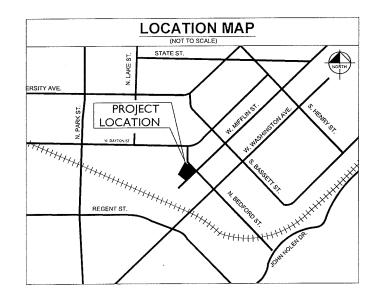
PROJECT TEAM

OWNER CA STUDENT LIVING HOLDINGS, LLC 161 NORTH CLARK, SUITE 4900 CHICAGO, IL 60601 TEL: (312) 994-0868 CONTACT: CHRISTOPHER JOHNSON

CIVIL ENGINEER KIMLEY-HORN 200 SOUTH EXECUTEVE DRIVE, SUITE 101 BROOKFIELD, WI 53005 TEL: (262) 789-6714 CONTACT: SCOTT MAIER

LANDSCAPE ARCHITECT
KEN SAIKI DESIGN
303 S. PATERSON STREET, SUITE 1 MADISON, WI 53703 TEL: (608) 251-3600 CONTACT: JOE PORTER

ARCHITECT SHELPLEY BULFINCH 3443 NORTH CENTRAL AVENUE PHOENIX, AZ 85012 TEL: (602) 507-4436 CONTACT: TOM CHINNOCK



LEGAL DESCRIPTION

A parcel of land, being part of Outlot 6 in University Addition to City of Madison, described as follows: Commencing at the point of intersection of the South line of West Dayton Street and the West line of North Bedford Street; thence southerly along the aforementioned West line of North Bedford Street 253.6 feet to the point of beginning and the corner of the property conveyed by the Illinois Central Railroad Company to the City of Madison under Document No. 622355, recorded in Vol. 397, Page 257, of Warranty Deeds on July 24, 1939; thence South 45 degrees 00'00" East, an assumed bearing along the southwesterly line of Bedford Street, 66 feet in width, 190.57 feet to the intersection of the northwesterly line of West Mifflin Street, 66 feet in width; thence South 45 degrees 03'10" West along the aforementioned northwesterly line of West Mifflin Street 70.27 feet to a point on curve and 9.00 feet from the centerline of the most northerly track of the Illinois Central Gulf Railroad and measured at right angles thereto; thence continuing by the arc of a circle to the left on a line parallel to and 9.00 feet from the centerline of said track, having a radius of 1123.79 feet, a chord bearing North 56 degrees 57'21" West, a distance of 180.54 feet to a point on curve; thence North 30 degrees 18'20" East along the line of property described in aforementioned Document No. 622355 a distance of 96.02 feet to another point described in said Document No. 622355; thence North 79 degrees 56'20" East along same aforementioned property 18.00 feet to the point of beginning.

Part of the SW 1/4 of the NE 1/4 and the SE 1/4 of the NW 1/4 of Section 23 T7N, R9E, in the City of Madison, described as follows: Commencing at the point of intersection of the South line of West Dayton Street and the West line of North Bedford Street; thence South 1 degree 06'40" East, 253.60 feet; thence South, 79 degrees 56'20" West, 18.00 feet; thence South 30 degrees 18'20" West, 96.02 feet to the point of beginning, soid point being the Southwest corner of property previously conveyed to grantee by deed dated August 1, 1969; thence southeasterly on a curve to the right having a radius of 1123.79 feet and a chord which bears South 55 degrees 57'21" East, 180.35 feet; thence South 45 degrees 03'10" West, 28.15 feet to a point on a curve; thence northwesterly on a curve to the left having a radius of 1100.88 feet and a chord which bears North 57 degrees 04'26" West, 173.16 feet; thence North 30 degrees 18'20" East, 27.93 feet to the point of beginning.

A part of Outlat 6, University Addition to the City of Madison, described as follows: Commencing at the intersection of the southerly line of Bedford Street and the westerly line of West Mifflin Street; thence South 45 degrees 03'10" West, 98.42 feet to the point of beginning; thence continuing South 45 degrees 03'10" West, 102.74 feet to a chiseled hole in concrete and a point of curve; thence Northwesterly on a curve to the left which has a radius of 468.79 feet and a chord which bears North 56 degrees 27'47" West, 115.79 feet to a point of compound curve; thence Northwesterly on a curve to the left which has a radius of 1,795.35 feet and a chord which bears North 64 degrees 05'16" West, 31.50 feet; thence North 30 degrees 18'20" East, 103.17 feet to a point of curve; thence southeasterly on a curve to the right which has a radius of 1,100.88 feet and a chord which bears South 57 degrees 04'26" East, 173.16 feet to the point of beginning.

IN	IDEX OF SHEETS
Sheet Number	Sheet Title
C1.0	COVER SHEET
C2.0	EXISTING CONDITIONS PLAN
C3.0	DEMOLITION PLAN
C4.0	SITE PLAN
C5.0	EROSION CONTROL PLAN
C6.0	GRADING PLAN
C7.0	DRAINAGE PLAN
C8.0	UTILITY PLAN
C9.0	GENERAL NOTES
C10.0	CONSTRUCTION DETAILS
C10.1	CONSTRUCTION DETAILS
C11.0	PHOTOMETRIC PLAN

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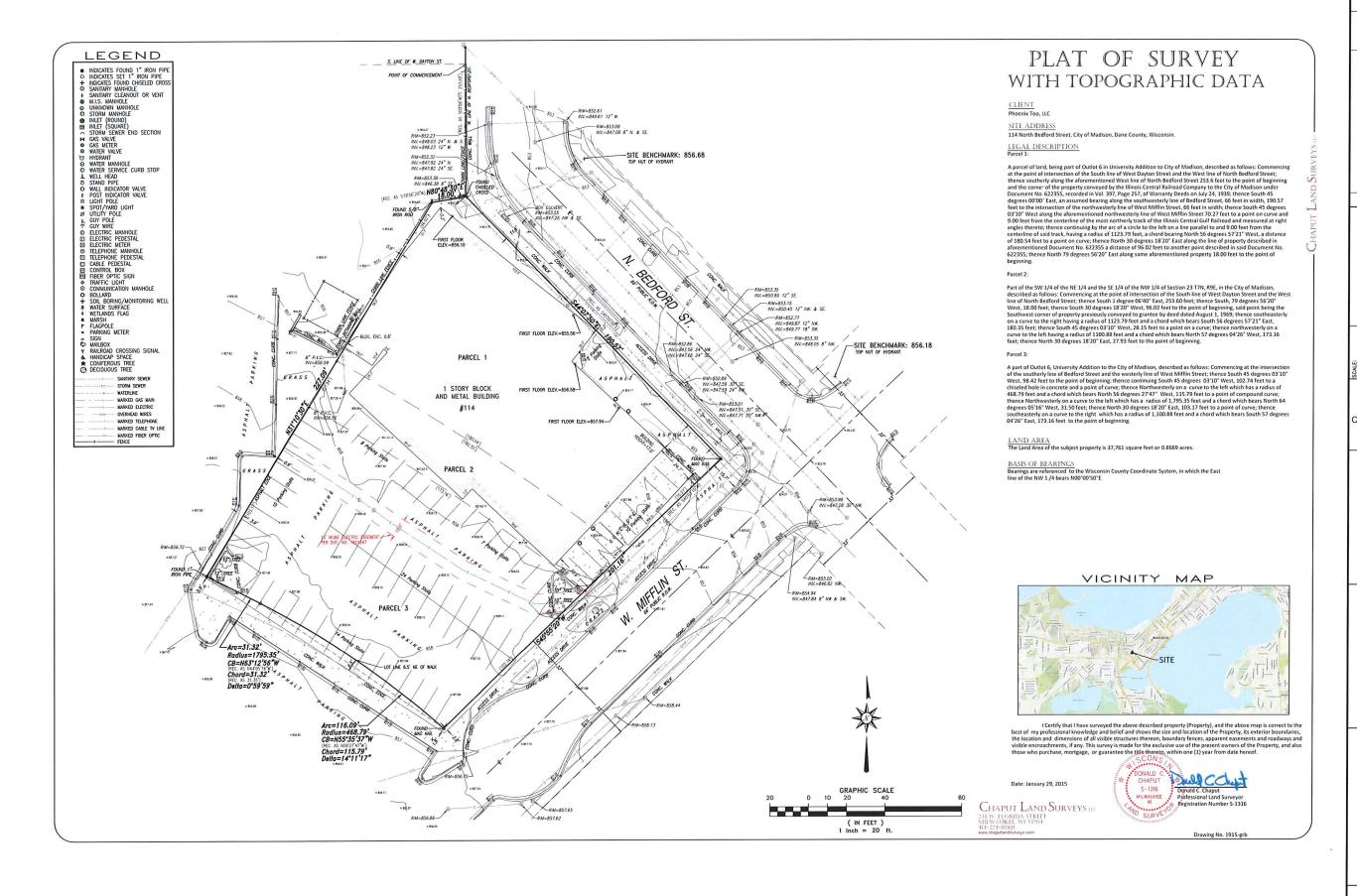
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MADISON STUDENT HOUSING

ORIGINAL ISSUE: 11/18/2014 168299000

> SHEET NUMBER C1.0



SURVEY BY: CHAPUT LAND SURVERYORS, LLC. DATED: 01/29/2015

SEA KIMILEY M HOUTH
SEA SOUNT ECCUME OFFICE, SUITE TO
FROM CHALEY—FORK-COAL
SEA WANKALEY—FORK-COAL

NOT FOR CONSTRUCTION

DRAWN BY:

VENTURES
Student Living | Residential Hocaterials | Server Living

EXISTING CONDITIONS PLAN

MADISON STUDENT HOUSING

ORIGINAL ISSUE: 11/18/2014 KHA PROJECT NO. 168299000

C2.0





- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLTION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SULCH OPERATIONS.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE REFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- IF DEMOLITION OR CONSTRUCTION ON SITE WILL RITERFERE WITH THE ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL CORDINATE WITH ADJACENT PROPERTY OWNER, TO INMITEZ THE IMPACT ON TRAFFIC FLOW. TEUPORARY RE-ROLLING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING WISDOT APPROVED TRAFFIC BARRICADES, BARRIES, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.
- CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS

- PRESERVE EXISTING GAS, STORM SEWER, SANITARY SEWER, TELEPHONE, AND WATERMAIN LINES WHIRN THE DAJACENT STREET RIGHT AWAY. USE EXTREME CAUTION WHEN EXCAVATING REAR THESE UILITIES SO THERE IS NO DISORPORTION IN SERVICE.
- CONTRACTOR TO NOTIFY ADJACENT PROPERTY OWNERS AT LEAST 48 HOURS PRIOR TO STARTING DEMOLITION OR GRADING ACTIVITIES.
- 13. ALL EXISTING BEDFORD AND MIFFUN STREET SIGNAGE SHALL REMAIN.

DEMOLITION NOTES

• SDEWALK AND ON-SITE PAVEMENT
• DEBRIS AND FOUNDATIONS FROM ALL DEMOUSHED STRUCTURES
• ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE
SANGUT FULL DEPTH AT THE EDGES PRIOR TO REMOVAL TO OBTAIN A "CLEAN" JOINT
WHERE IT ABUTS INEW CURB OR PAVEMENT.

CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TIPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAYEMENT AS STRUCTURAL FILL.

DISPOSAL OF DEMOLISHED MATERIALS

SEE LANDSCAPE PLANS FOR INFORMATION ON LANDSCAPE AND TREE PROTECTION, PRESERVATION AND REMOVAL.

UTILITY SERVICES

UNILITY SHYMES

EXSING UTULINES, WHICH DO NOT SERWICE STRUCTURES BEING DEMOUSHED, ARE TO BE KEPT IN SERMICE AND PROTECTED AGAINST DAVAGE DURING DEMOUTHON OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTULINES SERMING STRUCTURES TO BE DEMOUSHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTULINES BEFORE STARTING DEMOUTHON OPERATIONS. EASTING UTULINES TO BE ABANDONED ARE TO BE CAPPED AT BOTH FORS AND PILLED WITH FAR-1 OR WITH EXAMPLE FOR THE CONTRACT OF THE CAPPED AT BOTH FOR SHALLED WITH FAR-1 OR ADMITTANT OF THE CAPPED AT BOTH FOR SHALLED WITH FAR-1 OR APPROVED BY THE CEPTICANICAL ENGINEER. TO 95% OF MODIFIED PROCESSES AREAS, IN ACCORDANCE WITH THE EARTH-WORK SPECIFICATIONS. ALL PRIVATE UTULINES (ELECTRIC, CAPILE, TELEPHONE, PIECE OFFICE, CAS) SHALL BE REMOVED AND RELOCATED PER THE UTULITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.

POLLUTION CONTROLS

USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DRIT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENWRONMENTAL PROTECTION. SEE EROSION CONTROL SHEETS FOR FURTHER EROSION CONTROL REQUIREMENTS.

DEMOLITION LEGEND

ITEM TO REMAIN, PROTECT DURING CONSTRUCTION B · //// CURB REMOVAL

D PAVEMENT REMOVAL

ITEM/STRUCTURE TO BE REMOVED

F

H) ZZZZ BUILDING DEMOLITION

DEMOLITION NOTES

GENERAL DEMOLITION NOTES

- THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHYSICS OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SACLEY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.

- QUANTITIES DEPICTED ON THIS SHEET SHALL SERVE AS A QUIDE ONLY, CONTRACTOR TO VERIFY ALL DEMOLITION QUANTITIES.
- PRIOR TO BIDDING AND CONSTRUCTION, CONTRACTOR TO REFER TO OWNER PROWDED PHASE I ENVIRONMENTAL SITE ASSESSMENT AND ASBESTOS REPORT FOR SITE SPECIFIC CONDITIONS AND CONSIDERATIONS.
- EROSION CONTROL MUST BE ESTABLISHED PRIOR TO ANY WORK ON SITE INCLUDING DEMOLITION. REFER TO SHEET C5.0.
- 10. REFER TO GEOTECHNICAL REPORT PROVIDED BY OTHERS FOR ALL SUBSURFACE INFORMATION

THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN, FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICE NECESSARY TO COMPLETE THE WORK. DEMOLITION HIGGIES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFFSITE OF THE FOLLOWING ITEMS:

REMOVE FROM SITE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. BURRING OF REMOVED MATERIALS FROM DEMOLISHED STRUCTURES WILL NOT BE PERMITTED ON SITE. TRANSPORT MATERIALS REMOVED FROM DEMOLISHED STRUCTURES AND DISPOSE OF OFF SITE IN A LEGAL MANNER.

LANDSCAPE PROTECTION AND REMOVAL

UTILITY PROTECTION

UNITY PROTECTION
UNDERGROUND UNLINES SHOWN ARE BASED ON ATLASES AND AVAILABLE INFORMATION
PRESENTED AT THE THE OF SURVEY. CONTRACTOR SHOULD CALL TUGGERS' TO
CORDINATE FIDE LOCATIONS OF EXISTING UNDERGROUND UNLINES BEFORE OFFICE OFFICE
MATERIALS OR COMMENCING CONSTRUCTION. ONLY ENGINEER OF ANY DISCREPANCES
MAEDIATELY, CONTRACTOR SHALL LOCATE AND PROTECT ENSING UNDERGROUND AND
OVERHEAD UNLINES DURING CONSTRUCTION. UNLITY PROTECTION SHALL BE COORDINATED
MITH THE RESPECTIVE UNLITY OWNER AND AS DIRECTED BY THE GOVERNING MUNICIPALITY.
DAMAGED CABLES/CORDUITS SHALL BE REPLACED INMEDIATELY. ALL EXISTING STRUCTURES
STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE
CONSIDERED INOCENTAL TO THE CONTRACT. PROPER NOTIFICATION THE OWNERS OF THE
EXISTING UTILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.

C · X·X · WALL/FENCE/UTILITY REMOVAL

€ **>**<

G --- SAWOUT LINE. PROVIDE SMOOTH CONSTRUCTION JOINT.

1 TEMPORARY CONSTRUCTION SAFETY FENCE

C3.0

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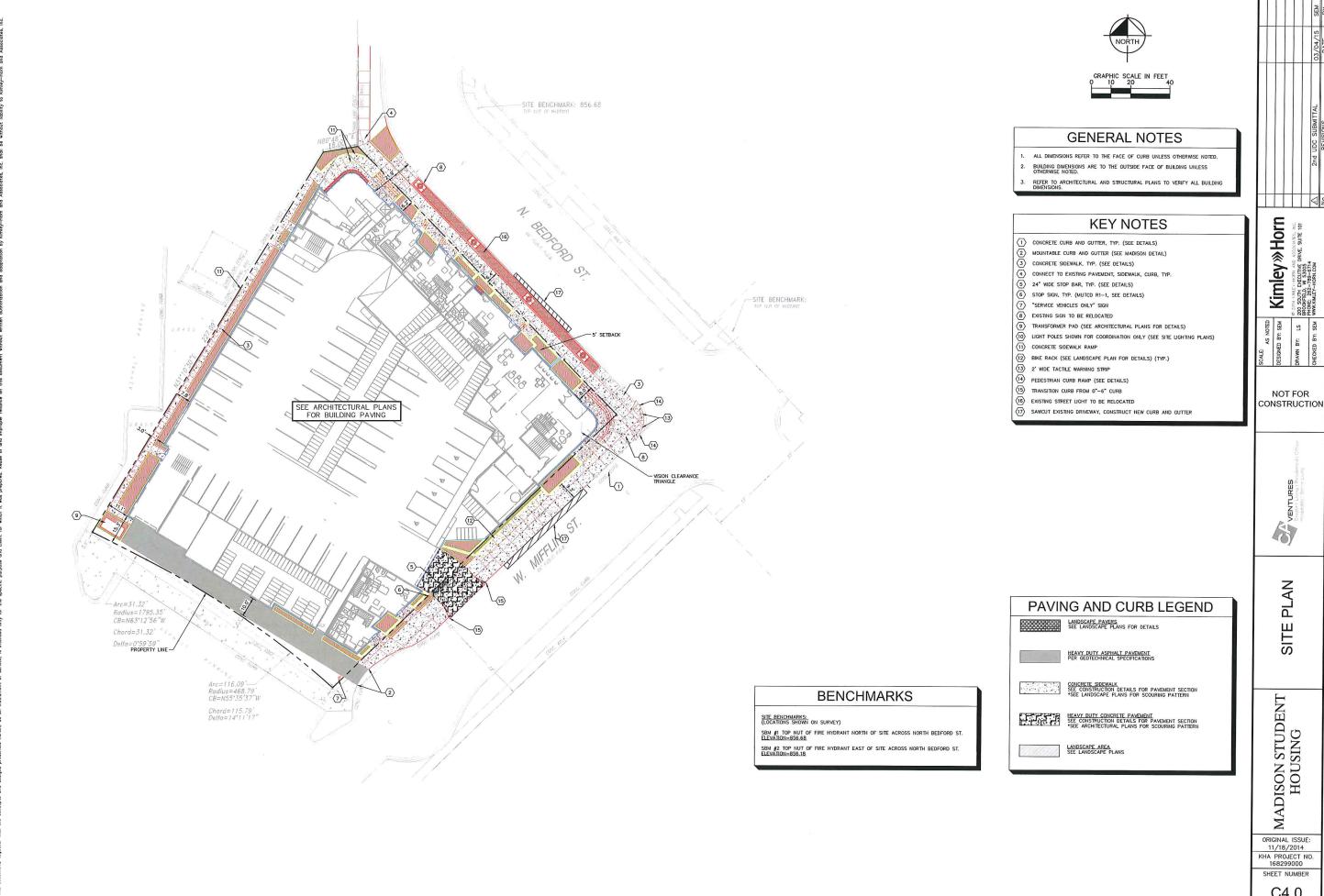
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DEMOLITION PLAN

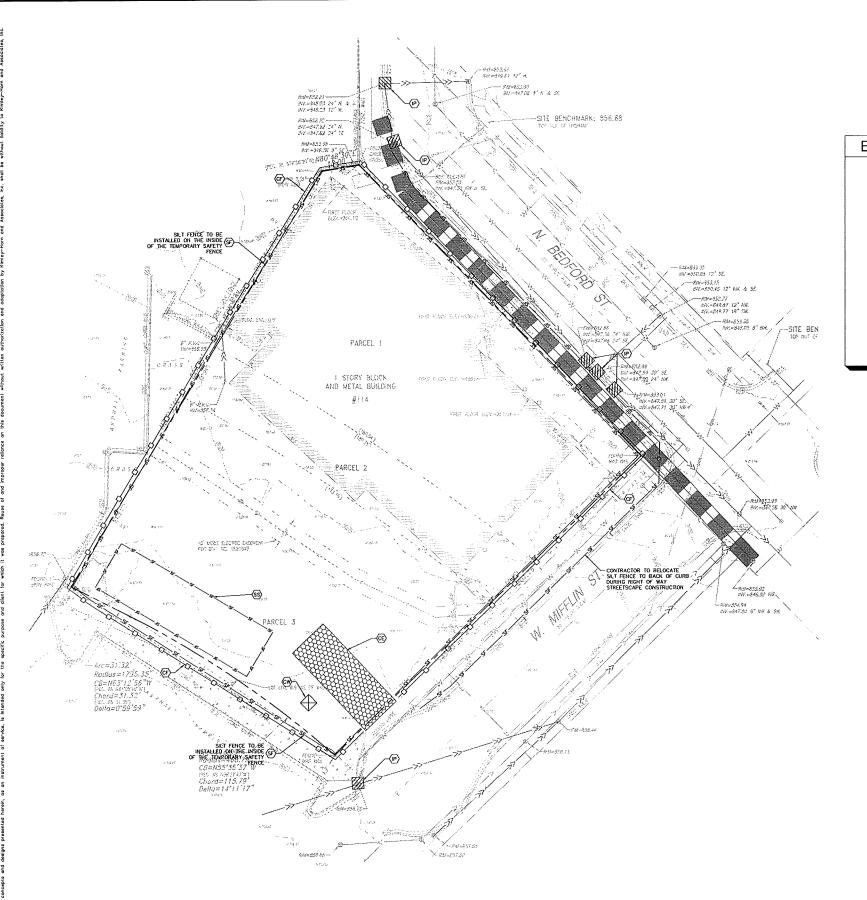
MADISON STUDENT HOUSING

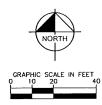
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SHEET NUMBER



C4.0





EROSION CONTROL LEGEND (SEE EROSION CONTROL DETAILS) SF SILT FENCE (SEE EROSION CONTROL DETAILS) ____sr___ (P) PAVED AREA INLET PROTECTION (SEE EROSION CONTROL DETAILS) CONCRETE WASHOUT (SEE EROSION CONTROL DETAILS) (TO BE DETERMINED BY CONTRACTOR) \boxtimes SS TEMPORARY SOIL STOCKPILE ____ .ts ___ ---620---EXISTING CONTOURS -----620-----PROPOSED CONTOURS DEWATERING BAG (IF NEEDED) (SEE EROSION CONTROL DETAILS) CONSTRUCTION FENCE ____

EROSION CONTROL NOTES

SITE GENERAL NOTES

- CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROMDE THE LEAST AUGUST OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO CONCIDE WITH THE PHASING OF THE PAYEMENT REPLACEMENT.
- 2. POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAWNG, DRAINAGE SYSTEM STRUCTURE, OR LANDSCAPING.
- 3. TEDPORARY AND PERMANENT STABILIZATION PRACTICES AND BUP'S SHALL BE INSTALLED AT THE EARLEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF MY GRADING ACTIVITIES, OTHER BUP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAITAINED UNTIL PINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANTS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAYING.
- 4. BUP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN GROER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SLIT FENCES LOCATED AT 10°C OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.

TEMPORARY EROSION CONTROL NOTES

- THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
- ANY MAJOR YARATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL RECOURTE A REMSION AND MAJOR PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PLANNING AND DEVELOPMENT DEPARTMENT AND THE DRAWAGE UTILITY OFFARTHENT, MINOR CHANGES OR ADDITIONAL CONTROL MEASURES TO BE MADE AS FIELD REMSIONS TO THE FEOSION AND SEDUMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENMIRORMENTAL INSPECTOR DURHING THE CURSE OF CONSTRUCTION TO CORRECT CONTROL INASPECTOR DURHING THE CURSE OF CONSTRUCTION TO CORRECT CONTROL INASCOUNCES AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PLACE EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S150BN OR APPROVED EQUAL) ON ALL SITE AREAS WITH SLOPES GREATER THAN 4:1, AND IN THE BOTTOM AND SIDE SLOPES OF ALL SWALES.
- 4. PRIOR TO FINAL ACCEPTANCE, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVIGEDATED. ALL LAND CLEARING SHALL BE DISPOSED OF IN APPROVED SPIOL DISPOSAL SITES.
- PERMANENT, FINAL PLANT COVERING OR STRUCTURES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE.
- 6. ALL CONTROL DEVICES THAT FUNCTION SINIABLY TO SELT FENCE OR FIRET POLSS WIST BE REPAIRED, REPLICATO OR SUPPLEADING WITH PETERTINE CONTROLS WHEN THEY RECOME NOTIFICATIONAL OR THE SEDIMENT PRACHES ONE—THIS THE HEIGHT OF THE DEVICE. THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF THE RAINFALL EVENT OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
- ALL SEDURATION ALCESS.

 ALL SEDURATION SURFACE WATER OF THE REMOVED FROM SURFACE WATERS, ORANINGE WAYS, CATCH BASINS AND OTHER ORANINGE SYSTEMS. ALL AREAS WHERE SEDIMENT REMOVAL RISCULTED IN EXPOSED SOIL MUST BE RESTABILIZED. THE REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS AFTER THE RUNFALL EVENT UNLESS PRECLUDED BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS, ALL REASONABLE EFFORTS MUST BE USED TO OBTAIN ACCESS. ONCE ACCESS IS OBTAINED, REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS LATER. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPROPRIATE AUTHORITIES AND RECEIVING THE APPLICABLE PERMITS PRORE TO CONDUCTING ANY WORK.
- 3. ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM OFF-SITE PAYED SURFACES WITHIN 24 HOURS OR SCORE IF REQUIRED SEDIMENT TRACKING MUST BE MINIMIZED BY THE APPROPRIATE MANAGEMENT PRACTICE, LIKE A DEDICATED SITE EXIT WITH AN ACGREGATE SURFACE OR DESIGNATION OFFSITE PARKING AREA. CONTRACTOR IS RESPONSIBLE FOR SITERET SWEEPING AND/OR SCRAPING IF YOUR PRACTICES ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED FROM THE SITE.
- SURFACE WATERS, DRAINAGE DITCHES AND CONVEYANCE SYSTEMS MUST BE INSPECTED FOR SEDIMENT DEPOSITS.
- 10. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORWARER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY KIMLEY-HORIL AND ASSOCIATES, INC. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTION THE PROMISMS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE WOPE'S PERMIT NO. W-SOSTALL APPROXIMATE REQUIRED.
- PUMPING SEDIMENT LADEN WATER INTO ANY STORMWATER FACILITY THAT IS NOT DESIGNATED TO BE A SEDIMENT TRAP, DRANIAGEWAY, OR OFFSITE AREA BITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGEWAY, FLOOD P AREA OR A DESIGNATED BUFFER, UNLESS OTHERWISE APPROVED, UNDER SPECIFIC CONDITIONS TO BE ESTABLISHED BY THE DIRECTOR OR ADMINISTRATOR.
- STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE PROVIDED WITH SESC NEASURES, MATERIAL IS TO BE HAVLED OFF IMMEDIATELY AND LEGALLY IF NO STOCKPILE IS TO REMAIN IN PLACE.
- 14. ALL TEMPORARY SESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED TRAPPED SEDIMENT AND OTHER DISTURBED SOUS RESULTING FROM INEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
- 15. WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING OPPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIVENT CONTROL AND/OR FILITHATION DEVICE, WHEN DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.

EROSION CONTROL SCHEDULE AND SEQUENCING:

ROUGH GRADING CONSTRUCTION ENTRANCE/EXIT, SLT FENCE PROTECTION, CONGRETE WASHOUT AREA AND TREE PROTECTION SHALL BE INSTALLED PRIOR TO THE HITHATION OF ROUGH GRADING, AS NEEDED.
TEMPORARY EROSIN CONTROL MEASURES TO BE HISTALLED UPON COMPLETION OF ROUGH GRADING AS NEECESSARY THROUGHOUT CONSTRUCTION.

II. UTILITY INSTALLATION

L PRIOR EROSION CONTROL MEASURES INSTALLE BOVE TO BE MAINTAINED AS HECESSARY DURING RUTY INSTALLATION. STORM STRUCTURE INLET KOTECTION SHALL BE INSTALLED AS STORM KAINAGE SYSTEM IS CONSTRUCTED.

ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING PAWING AND THROUGHOUT THE REMAINDER OF THE PROJECT.

IV. FINAL GRADING/SOLL ALL TEMPORARY EROSION CONTROL MEASURES TO BE STABILIZATION/ REMOVED AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE LOCAL MUNICIPALITY.

2nd UDC SUBMITTAL REVISIONS

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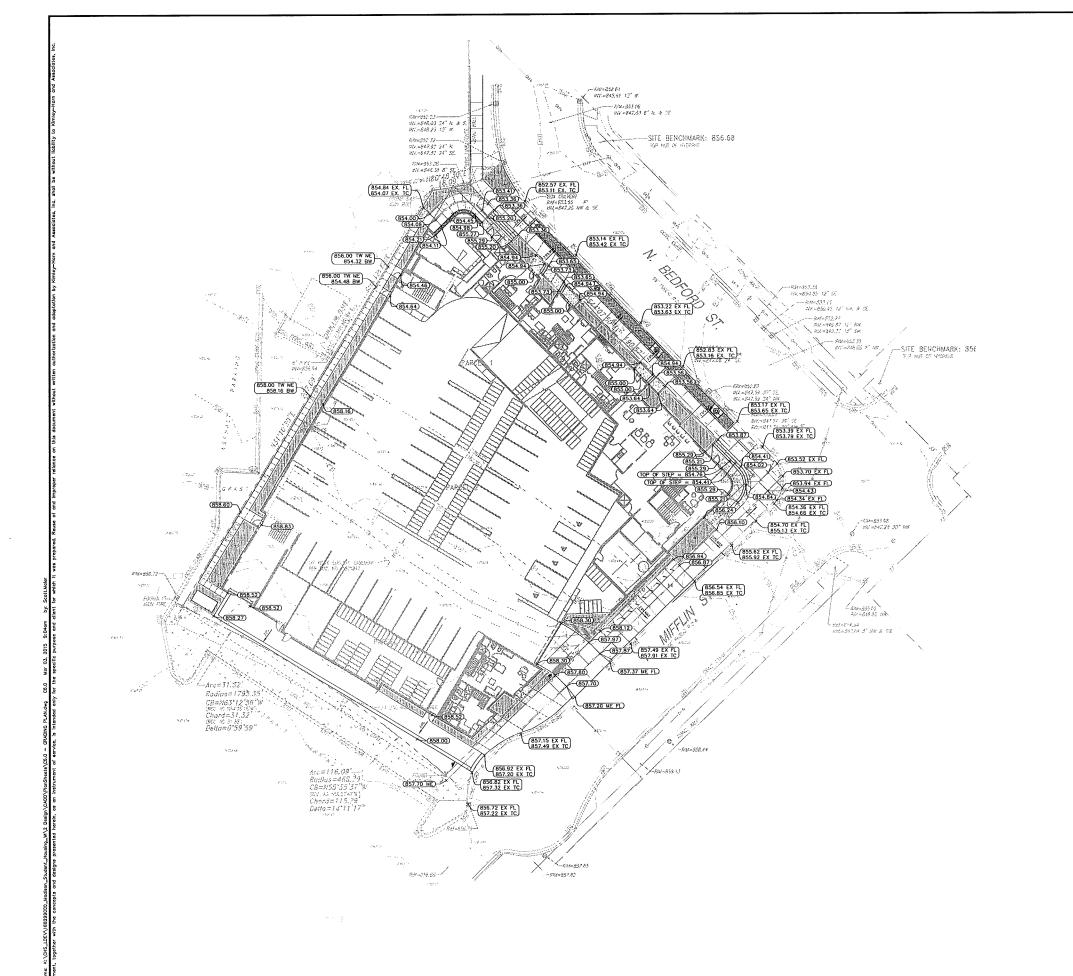
> EROSION CONTROL PLAN

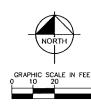
MADISON STUDENT HOUSING

ORIGINAL ISSUE: 11/18/2014 KHA PROJECT NO. 168299000

SHEET NUMBER

C5.0





GRADING NOTES

- CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHY AND STRUCTURES ON THE SITE AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
- 2. ALL PAVENERY SPOT GRADE ELEVATIONS AND FIN ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVENENT ELEVATIONS UNLESS OTHERWISE NOTED.
- . ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE OR EDGE OF PAYEMENT UNLESS OTHERMISE NOTED. GENERAL CONTRACTOR TO COORDINATE WITH EXCAVATION, LANDSCAPE AND PAYING SUBCONTRACTORS RECARDING TOPSOIL THICKNESS FOR LANDSCAPE AREAS AND PAYEMENT SECTION THICKNESS FOR PAYED AREAS TO PROPERLY ENSURE ADEQUATE CUT TO ESTABLISH SUBGRADE ELEVATIONS.
- 4. NO EARTHEN SLOPE SHALL BE GREATER THAN 4:1, UNLESS OTHERWISE NOTED.
- 5. MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ALL DIRECTIONS.
- MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS AND ACCESSIBLE ROUTES.
- WHEN NATURAL FLOW OF DRAINAGE IS AWAY FROM CURB, CONTRACTOR TO INSTALL REVERSE GUTTER PITCH.
- 8. MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS.
- 9. PROPOSED COUNTOURS ARE NOT SHOWN ON THIS FOR CLARITY PURPOSES.

UTILITY LEGEND

O I I LI I	
Q	EX. HYDRANT
M	EX. WATER VALVE
©	EX. SANITARY SEWER MANHOLE
⊙ ^{c.o.}	EX. SANITARY SEWER CLEANOUT
	EX. STORM MANHOLE
	EX. STORM CATCH BASIN/INLET
	EX. GAS METER
¤	EX. LIGHT POLE
	PROPOSED STORM STRUCTURE
•	PROPOSED SANITARY MANHOLE
•	PROPOSED SANITARY CLEANOUT
⊕ e	PROPOSED WATER STRUCTURE
II 8 c==	PROPOSED LIGHT POLE

GRADING LEGEND

EP = EDGE OF PAVEMENT
TC = TOP OF CURB
ME = MATCH ELEVATION
TF = TOP OF FOUNDATION
R = RIM ELEVATION
TW = TOP OF WALL
BW = BOTTOM OF WALL
FL = FLOW LINE

FL = FLOW LINE
PROPOSED CONTOUR

___ RIDGE __

2% MAX.

RIOGE LINE
SLOPE AND FLOW DIRECTION

| 2nd UDC SUBMITTAL | 03/04/15 | No. | REVISIONS | DATE |

Kimley » Horn
2014 RABLET-HORN AND ASSOCIATES INC.
0 SCUIT RECOUNTE STORY, SUITE 101
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SONE, 20-29-27-11
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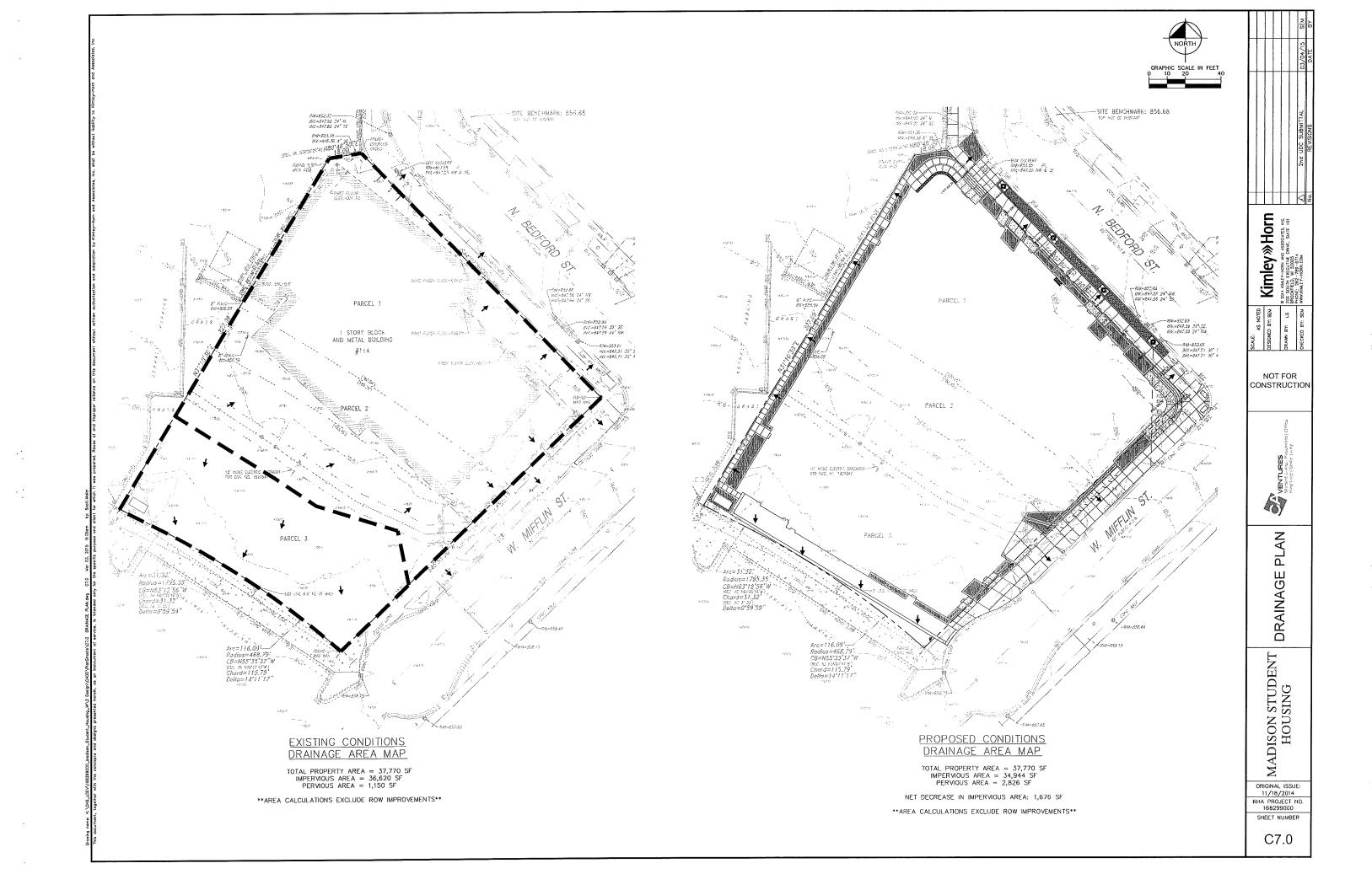
GRADING PLAN

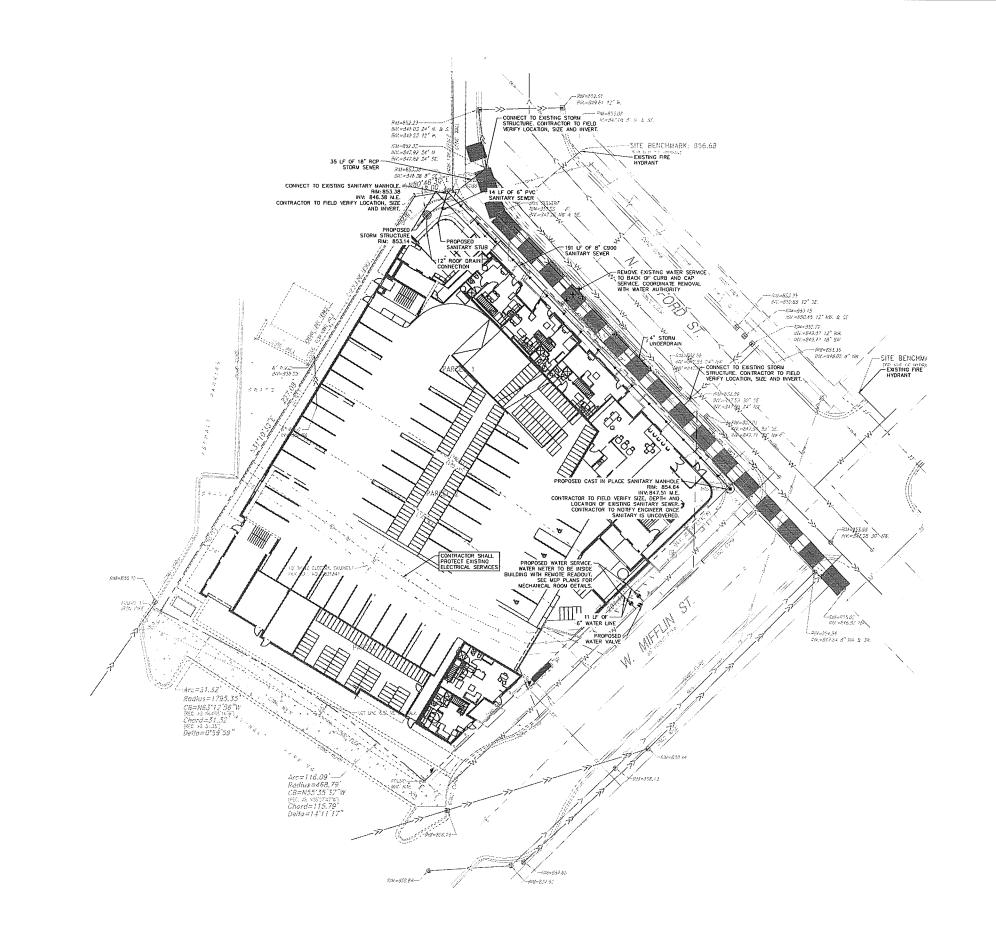
MADISON STUDENT HOUSING

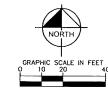
ORIGINAL ISSUE: 11/18/2014 KHA PROJECT NO. 168299000

SHEET NUMBER

C6.0







UTILITY	/ LEGEND
, , , , , , , , , , , , , , , , , , ,	EX. WATER LINE
ė.	EX. HYDRANT
H	EX. WATER VALVE
	EX. SANITARY SEWER LINE
Ę.	EX. SANITARY SEWER MANHOLE
Oca	EX. SANITARY SEWER CLEANOUT
	EX. STORM DRAIN LINE
Ę.	EX. STORM MANHOLE
(EX. STORM STRUCTURE/INLET
	EX. GAS LINE
	EX. GAS METER
······································	EX. UNDERGROUND ELECTRIC LINE
	EX. UNDERGROUND TELEPHONE LINE
n	EX. LIGHT POLE
ELEC	PROPOSED UNDERGROUND ELECTRIC LINE
GAS	GAS LINE (BY GAS COMPANY)
TEL	PROPOSED PHONE LINE
	PROPOSED STORM SEWER LINE
	PROPOSED OPEN UD STORM STRUCTURE (PAVENENT USE NEENAH R-2540) (GRASS USE NEENAH R-4340-B BEEHIVE)
•	PROPOSED CLOSED UD STORM STRUCTURE (PAVEMENT USE NEENAH R-1772) (GRASS USE NEENAH R-1786)
ETILLITE	PROPOSED OPEN UD CURB STRUCTURE (B6.12 C&G USE NEENAH R-3281-A)
	PROPOSED SANITARY SEWER LINE
•	PROPOSED SANITARY MANHOLE
•	PROPOSED STORM/SANITARY CLEANOUT
ww	PROPOSED WATER LINE
(0)	PROPOSED VALVE VAULT
8	PROPOSED VALVE BOX
*	PROPOSED FIRE HYDRANT
□ 0 000	PROPOSED LIGHT POLE
T	PROPOSED TRANSFORMER PAD (BY OTHERS)

UTILITY NOTES

GENERAL UTILITY NOTES

- ALL WATER LINES SHALL BE DUCTILE IRON PIPE, CLASS 52 WITH 72" MINIMUM COVER PER STATE AND LOCAL SPECS.
- ALL SANTARY SEWER LINES SHALL BE PVC MEETING, ASTM D-3034 SDR 26 EXCEPT FOR SANTARY SEWER THAT CROSSES ABOVE WATER MAIN, THIS PIPE SHALL BE AWYAL COOL (UNLESS WATER MAIN CASING IS UTILIZED). PROWDE 60° MINIMUM COVER.
- 3. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY
- ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS, ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNIL
 WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE
 APPROPRIATE COVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIES
 BY THE ENGINEER.
- CONTRACTOR TO CALL "DIGGERS HOTUNE" (1-800-242-8511) TO COORDINA FIELD LOCATIONS OF EXISTING UNDERGROUND UNLINES BEFORE ORDERING NATERIALS OF COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- DISCREPANCIES INMEDIATELY.

 PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SMITARY SEMEN, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVAIL, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ACKLOPED CROSSINGS AND INFORM THE ENGINEER AND THE OWNERS AND ACKLOPED CROSSINGS AND INFORM THE ENGINEER AND THE PLAN. NOTIFICATION SHALL EXCLUSION OF RECONSTRUCTIONS. THE PLAN HAVE ENGINEER AND ITS CLIENTS SHALL BE HILD HAMILES THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE CITY OF MADISON SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
- 8. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR MAY OTHER AGENCY HAMING JURISDICTION FOR EXCAVATION AND TREMEMINE PROCEQUIES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION, THIS IS TO INCLUDE, BUT NOT JURIED FOR ACCESS AND GERESS FROM ALL EXCAVATION AND TREMCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRIETRIA AS REQUIED BY OSHA.
- CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS DURING INSTALLATION OF UTILITIES.
- ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
- . SEE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
- LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE SITE LIGHTING PLANS BY OTHERS FOR MORE INFORMATION.
- 13. SEE DETAILS FOR LOCATING STORM STRUCTURES WITHIN THE CURB LINE.
- 14. STORMWATER FACILITIES MUST BE FUNCTIONAL BEFORE BUILDING CONSTRUCTION BEGINS.

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NOT FOR CONSTRUCTION



UTILITY PLAN

MADISON STUDENT HOUSING

ORIGINAL ISSUE: 11/18/2014 KHA PROJECT NO. 168299000

SHEET NUMBER

C8.0

MERBICHER ASSOCIATES, INC. 999 FOURIER DRIVE, SUITE 201 MADISON, WI 53717 TEL: (608) 821-3955 CONTACT: MICHAEL S. MARTY

COPES OF THE SURVEY ARE AVAILABLE FROM THE ENGINEER. SITE CONDITIONS MAY HAVE CHANGED SINCE THE SURVEY WAS PREPARED. CONTRACTORS TO WIST SITE TO FAMILIARIZE THEMSELVES WITH THE CHIRDRAL CONDITIONS.

- COPES OF SOLS HIVESTIGATION REPORTS MAY BE ORTANGED TRUET THE OWNER, ANY SERLOID, SPECIMING ON SPECIAL CONSTRUCTION METHODS OFFICIAL ORDERS OF THE CONTRACTOR ORDER TO INSTALL AND ADMINISTRATION OF THE OWNER OF THE OWNER OF THE OWNER OWNER OF THE OWNER OWNER
- . THE CONTRACTOR SHALL PHOTOGRAPH THE WORK AREA PRIOR TO CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL PROPOSED WORK SHALL BE IN ACCORDINGE WITH THE CITY OF MADISON, STATE OF WISCONSIN, AND WISDOT CODES
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL ITEMS REQUIRED FOR CONSTRUCTION OF THE PROCECT, AS SHORN ON THE PLANS, ARE INCLUDED IN THE CONTRACT, ANY TIEM NOT SPECIOLALLY NOLUBED IN THE CONTRACT, BUT SHOWN ON THE PLANS, SHALL BE CONSOCRED INCORPITAL TO THE CONTRACTOR. BUT SHOWN IN THE PLANS SHALL BE ENGINEER INMEDIATELY IN THE CYNTRACTOR OF DESCRIPANCY WHITH THE PLANS AND COMMITTEE.
- THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" BIGHTERING PLANS WITH THE LATEST REVISION DATE ON THE AGG SITE PROFIT TO THE STAFT OF CONSTRUCTION. IF THERE ARE ANY THOU TO THE STAFT OF CONSTRUCTION. IF THE AGE ANY THOU TO THE SURVEYOR OR DENOTES BEFORE CONTRACTOR ANY THOU TO THE SURVEYOR OR DENOTES BEFORE CONTRACTOR ASSURES FULL RESPONSIBILITY. IN THE EVENT OF DISADELEDITI BETWEEN THE CONSTRUCTION PLANS, SECONDARY AND/OR SPECIAL DETAILS, THE CONTRACTOR WILL SECONDARY AND THE STAFT OF THE CONTRACTOR WILL BE CONSTRUCTION PLANS, OR DESCRIPTION FAILS OF THE CONTRACTOR WILL BE CONSTRUCTION THE OWNER OF THE CONTRACTOR OF ANY DOUBT OR QUESTIONS ARISING WITH RESPONSIBLE THAT WE ANNOT THE CONTRACTOR FULL BE CONSTRUCTION PLANS OR SECONDARY, THE CONTRACTOR FULL BE CONSTRUCTION FULL BE CONSTRUCTION.
- THE CONTRACTOR SYML, SUBSORE TO ALL CONSIDER REGLATIONS AND SHALL GETWIN HE INCLUSIONS AND SHALL GETWIN SHAD THE STATE OF SHADE O
- THE ENCHEER AND OWNER ARE NOT RESPONSELE FOR THE CONSTRUCTION MEANS, NETHOOS, TECHNOLES, SCOURICES OF PROCEDURES, THE OF PERFORMANCE PROCRAMS OF FOR ANY SWETTY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR HE CLEAR PERFORMANCE FOR EXECUTION THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- CONSTRUCTION MATERIALS AND/OR EQUIPMENT MAY NOT BE STORED IN THE RIGHT-OF-WAY, AS DRECTED BY THE DIMER.
- EASEMENTS FOR THE ENSTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN FUBLIC RIGHT—E—WAYS ARE SHOWN ON THE PLANS ACCORDING TO AVMALABLE RECORDS. THE CONTINACTOR PROTECTION FROM DAMAGE DIE TO CONSTRUCTION OF
- . OWNER SHALL OBTAIN EASEMENTS AND APPROVAL OF PERMITS NECESSARY TO FACULTATE CONSTRUCTION OF THE PROPOSED UTILITIES. THE CONTRACTOR, HOWEVER, SHALL FURNISH ALL REQUIRE BORDOS AND EMPEROR OF MUSERANCE NECESSARY TO SECURE THESE PERMITS AND EASEMENTS.
- 10. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED.
 ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET I
 THE SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- NOTIFICATION OF COMMENCING CONSTRUCTION:
- 11.A. THE CONTRACTION SHALL HOTEY AFFECTED CONSIDERIYAL ACQUICES IN WHITNEA AT LEAST THEN THAT HAVE WHITNEA AT LEAST THEN THAT HAVE WHITNEA AT LEAST THEN SHALL WHITNEA AS FROM TO COMPRISED OF CONSISTENCIAN AND THE CONTRACTOR SHALL WHITNEA ACCROSS THE CITY OF MADISON, AND THE OWNER SUFFICIENTLY IN ADVANCE OF CONSTRUCTION.
- 11.B. FAILURE OF THE CONTRACTOR TO ALLOW PROPER NOTIFICATION THE WHICH RESULTS IN THE TESTING COMPANES TO BE UNABLE TO MIST THE SITE AND PERFORM TESTING MIL CAUSE THE CONTRACTOR TO SUSPEND THE OPERATION TO BE TESTED UNIT. THE TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COST OF SUSPENSION OF WORK SHALL BE BORNE BY THE CONTRACTOR.
- 12. ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR ALL ENERGENCY TRAFFIC, AS DIRECTED BY THE CITY OF MADISON.
- 13. ANY EXSTING SCHS, LIGHT STANDARDS, AND UTILITY POLES THAT INTERFERE WITH CONSTRUCTION OPERATORS AND ARE NOT NOTED ON THE RANKS FOR DEPOSAL SHALL BE REMORED AND RESET IN THE PRESENCE OF THE CONTROLL OF T
- 14. ALL TREES TO BE SAVED SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION BY THE LANDSCAPE ARCHITECT AND SHALL BE PROTECTED PER WISOOT FACULTIES DEVELOPMENT MANUAL HAN. THE ROHT—OF—WAY LINE AND LIMITS OF THE CONTRACTOR'S OPERATIONS SHALL BE CRAIM TOPHED TREGOODLY THE CONSTRUCTION PERSON. ALL RESENTED TO REALMS SHALL BE PROTECTED TRUE DAMAGE TO TRAINES BRACKIES AND THE SHAPE SHALL BE PROTECTED TRUE DAMAGE. TO TRAINES THE SHAPE SHALL BE PROTECTED TRUE DAMAGE TO TRAINES HAVE SHAPE SHA
- 15. LIVIS PRUNING SHALL BE PERFORNED UNDER THE SUPERMISON OF AN APPROVED LANGSCAPE ARCHIT FORESTER, OR ARGORIST AND SHALL BE UNDERTAKEN IN A TIMELY FASSION SO AS NOT TO INTERFER WITH CHAIRMICHON, ALL LIVIS, BHANCHES, AND OTHER DEBRIS RESULTION FROM LITTLE CONTRACTOR WORK SHALL BE DEPOSED OF OFF-SIE BY THE CONTRACTOR AT THE CONTRACTOR'S OWN DEPONE. ALL CLIST OWNER ONE (1) NOTH OF INDIVIDED SHALL BE PARTIED WHY AN APPROVED TIME PARTI.
- ALL EXISTING PAYENERT OR CONCRETE TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE CONVENCEMENT OF PAYEMENT REMOVAL.
- 7. ALL PARTIES UTILITIES OF IMPROVEDITIES, INCLUDING WAYS, CLUBES, PARALEIT, AND PARYMAYS DAMAGED ON HOUNTS DAMAGE ONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION. THE CONTRACTOR'S WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A PAY TIEM IS LISTED ON THE BO LIST.
- 19. THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH OR, AND GREASE RESPUE, MAGINERY, TOOLS, AND OTHER MISCRLANEOUS ITEMS WHICH MERE NOT PRESENT PROOF TO PROJECT COMMENCEMENT AT NO ADDITIONAL EMPIRES TO THE GINNER. THE CONTRACTOR SHALL BE RESPUBBLE FOR ACCURATION AND MALE PRINTS RECESSARY FOR THE HAULING AND DEPORT RECEIVED FOR CLEANUP, AS DIRECTED BY THE BROWLER ON GWIER. BURNING ON THE STEEL IS NOT PERMITTED.
- 20. NO UNICACIOCUMO NECE WITHIN THE PUBLIC BOXIT-OF-WAY SHALL BE CONFRED WITH IT HAS BEEN APPRINCED BY THE CITY OF MADISON, APPROVAL TO PROCEED WHITE DET SHALL BEEN AND SHALL PROVIDED HIS OFFICE AND PROR TO HOSTALLING PANEIREN BASE, BROBER, AND SURFACE, AND PROR TO POURING ANY CONCINCIE AFTER FORMS HAND BEEN SET, AS ROCESSARY.
- WHERE SHOWN ON THE PLANS OF DIRECTED BY THE ENGNER, EXISTING DRAINAGE STRUCTURES AND METERS AND MET
- 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITE IN THE FELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACULITIES. THE MOMERT DOES NOT WARRANT THE LOCATION OF ANY EXSTITUTIES SHOWN ON THE PLANS. THE CONTRACTOR SHALL CALL DIGGERS HOTIME LOCATING SERVICES (1-800-242-811) AND THE CITY OF MASSION FOR UTILITY LOCATIONS.
- THE GREAT CONTRACTOR SHALL COORDINE MIT UTILITY COMPANES TO PROVIDE CARLE TV. PHONE, ELECTRIC, AND MU GROAD AND EXPORTS. CORPER, CONTRACTOR SHALL BE RESPONDED FOR ELECTRIC, AND MU GROAD AND EXPORTS. CONTRACTOR CONTRACT CONSINGS AS REQUESTED. THIS COORDINATION SHALL BE CONSIDERED ROCKETIAL TO GENERAL CONTRACTOR AGREEMENT WITH THE OWNER. ANY CONFLICTS IN UTILITIES SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT NO ADDRIVANCE OF THE CONFIENT.
- 24. CONTRACTOR IS TO VERFY ALL EXISTING STRUCTURES AND FACILITIES AT ALL PROPOSED UTILITY CONNECTION LOCATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCES PRIOR TO ORDERING MATERIAL AND STARTING WORK.
- 23. ANY PIED TILES DICOUNTERED SHALL BE HISPECIED BY THE ENGNEER. THE DRAIN TILE SHALL BE CONNECTED TO THE STORM SEWER SYSTEM AND A RECORD KEPT BY THE CONTRACTOR OF THE COCATIONS AND TURNED OVER TO THE ENDIEGRE UPON COMPANION OF THE FROACET, THE COST OF THE CONTRACTOR'S OWNER SHALL BE CONSIDERED INCORNIL. TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION SHALL BE LODGE.
- ALL FRANES AND LOS FOR STORN AND SANITARY SEMERS, VALVE VAULT COVERS, FIRE HYDRAITS, AN B-BOXES ARE TO BE ADJUSTED TO MEET FINISHED CRADE. THE CONTRACTOR'S ADJUSTMENT IS TO BE MADE BY THE SEMER AND WATER CONTRACTOR, AND THE COST IS TO BE CONSIDERED INCODITION. THESE ADJUSTMENTS TO RINSHED GRADE WILL NOT ALLEVANE THE CONTRACTOR FROM JUST ADDITIONAL ADJUSTMENTS AS REQUIRED BY THE COTY OF ADJUSTMENTS AN REQUIRED BY THE COTY OF WASDON UPON IN ALL INSPECTION OF THE PROJECT.
- 27. HYDRANTS SHALL NOT BE FLUSHED DIRECTLY ONTO THE ROAD SUBGRADES WHEREVER FOUSBELF, HOSE SHALL BE USED TO BEECT THE WARTH RITO OF AREAS OF THE STORM SEMENT STEEL WARDLESS OF THE STORM SEMENT STEEL WARDLESS OF THE CONTRACTOR STORM SEMENT STEEL WAS BEEN SEMENT STEEL WITH SEMENT SEMENT SEMENT STEEL WAS BEEN SEMENT OF THE WARTH SEMENT SE

- MAIN CONTRACTOR AND SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- . TRENCH BACKFILL WILL BE REQUIRED TO THE FULL DEPTH ABOVE SEWERS AND WATERMAIN WITHIN TWO (2) FEET HORIZONTAL OF PROPOSED OR EXISTING PAYEMENT.
- IF SOFT, SOPICITY OR OTHER UNSIXTABLE SOLS WITH UNCONTWED COUPRESSIVE STRUCTH LESS TAM-OS. 157 ARE DECOUNTEED AT THE BOTTON OF THE PRINCH, ALL SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH WELL-COMPACTED, CRUSHED UNESTONE BEDOON BUTTERAL IF ROOK IS PROCUNTERED, IT SHALL BE REMOVED TO AT LESS 15X (6) WORS BEDOON THE BOTTON OF THE PRE-ECONSORED WOODSTALL TO THE CONTRACT, DEPTHS OFFICIES THAN 100 (2) FEET SHALL BE SARWITED TO THE ELECTRIC FOR APPROVAL PRIOR TO PROCEEDING.
- THE TRENOPES FOR PIPE INSTALLATION SHALL BE KEPT ONLY AT ALL TILES DIESNO PIPE PLOCIDENT APPROPRIATE FACULTIST TO JUANIFAM THE DIPLY TRENOLOGIAL PROPRIED FOR THE CONTRACTOR APPROPRIATE FACULTIST TO JUANIFAM THE DIPLY THE STATE OF THE STATE
- AFTER THE STOWN SENDE SYSTEM HAS BEEN CONSTRUCTED, THE CONTRACTION SHALL PLACE PROPER MACET PROTECTION BEDGING CONTROL AT LOCATIONS HIGHCARD BY THE FROMERES. THE FURBERS OF MACET PROTECTION WILL BE TO INMINIZE THE AUGUST OF SULTAINS THAT ROBUSLLY WOULD ENTER THE STOWN SEWER SYSTEM FROM JAILCENT MAYOR UPSTERMU PRANIAGE AREAS.
- . AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAWNOS STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.
- EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH INSCONSIN DEPARTMENT OF NATURAL RESOURCES REGULATIONS AND MISOTI STANDARDS FOR SOL EROSION AND SEDMENTATION CONTROL AND SHALL BE MANITAMED BY THE CONTRACTOR AND REMAIN IN PLACE UNTIL A SUITABLE COOMIN OF GRASS, ACCEPTABLE TO THE ENONEER, HAS DEVELOPED.
- CROWN OF CRASS, ACCEPTABLE TO THE DRONLER, MAS DEVELOPED.

 NE CONTRACTOR SHALL CONFORM TO ALL EROSON CONTROL REQUIREMENTS AS SET FORTH BY THE
 WISCORDS DEPARTMENT OF NATURAL RESORUCES TRADUCT THE PROES PHASE II PERMIT PROCRAM
 REQUIREMENTS AND COMPRISON UNMOCRATITY. THE CONTRACTOR SHALL HISTALL AND MAINTAIN ALL
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 RECORD CONTROL THE CONTRACTOR IS RESPONDED FOR MAINTAIN THE PROPERTY IN PROCRAMS.
 THE SOMPH AT A MANAMA, HICLIONIS EROSON CONTROL MEASURES AND INSPECTION PROCRAMS. THE
 CONTRACTOR IS RESPONDED FOR METERING ALL
 RESPONDED FOR METERING AND ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE ACTS OR
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 IN THE SHAPPE OR ANY YOULD AND SHALL SHALL RESPONSED FOR THE ACTS OR
 RECOLLATORY ACROSES.
- THE PAYMENT SHALL BE KEPT FREE OF MUO AND DEBRIS AT ALL TIMES. IT MAY BE NECESSARY TO KEEP A SWEEPER ON-SITE AT ALL TIMES.
- ALL DISTURBED AREAS OF THE RIGHT-OF-WAY SHALL BE FULLY RESTORED TO PRE-CONSTRUCTION CONDITIONS WITH A MINIMUM OF SIX (6) WICHES OF TOPSOL, SEEDING, AND MULCH AS PER WISDOT STANDINGS.
- ALL PROPOSED GRADES SHOWN ON PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS NOTED OTHERWISE.
- ALL TESTING SHALL BE THE RESPONSIBILITY AND EXPENSE OF THE CONTRACTOR. IF REQUESTED BY THE MUNICIPALITY OR ENGINEER, COPIES OF ALL TEST RESULTS SHALL BE PROVIDED TO THE ENGINEER RESPONSIBILITY AND ADDRESS AND A
- PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS PROVIDE UNFORM SLOPES BETWEEN NEW AND EXISTING CRADES, AVOID RIDGES AND DEPRESSIONS.
- WHEN REQUEED, THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN RECORD DRAWNOS CAN BE REPARED. RECORD DRAWNOS SHALL INDICATE THE FINAL LOCATION AND LAYOUT OF ALL INPROVEMENTS, INCLUDING VERHICATION OF ALL COLORETE PARS, INVERT, RNJ. AND SPOT GRADE ELEVATIONS, AND DICORPORATE ALL FIELD DESIGN CHANCES APPROVED BY THE OWNER.
- BEFORE ACCEPTANCE, ALL WORK SHALL BE INSPECTED BY THE CITY OF MADISON, AS NECESSAR

EARTHWORK NOTES

- I, IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE.
- . THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FRUSHED GRADE AND THAT PAVEMENT THICKNESS, TOPSCIL, ETC., MUST BE ACCOUNTED FOR.
- THE CONTRACTOR SMALL MAINTAIN POSTIVE DRAMAGE DURNING CONSTRUCTION AND PREVENT STORMMATER FROM RUNNING INTO OR STRUCING IN EXCAVARID AREAS. THE FALURE TO PROVIDE PROPER DRAMAGE WILL INCEAST EAVY POSSIBLE ADDIC COMPINSATION REQUESTED UP 10 DELAYS UNSATTREE MATERIALS GREATED AS A RESULT THEREOF, FIRLE GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EMOSTAGE SEMENTATION, AND TRAFFIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SOL EROSON AND SEDMENTATION CONTROL MEASURES. THE INITIAL ESTREUS-WENT OF EROSON CONTROL PROCEDURES AND THE PLACEMENT OF STAT AND FILLER FRUNCING, ETC. TO PROTECT ADJACENT PROPERTY, METLANDS, ETC., SHALL DOCUM BEFORE CHARMS BEGINS.
- S. PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES, THE CONTRACTOR SHALL EFFECT A CONSTRUCTION FENCE ABOUND ANY TIREE DESCRIATED TO BE PRESENTED, SAID FENCE SHALL BE PLACED IN A ORCI CENTERED AROUND THE TREE, THE DIMATERS OF WHICH SHALL BE SUCH THAT THE ENTIRE DRIP ZON (EXTENT OF DURTHEST EXTENDING BRANCHES) SHALL BE WITHIN THE FENCE LIVITS. THE ENTSTING GRAD WHICH THE FENCE AS SHALL NOT BE OSTUMBED.
- TOPSO: FYCAVATION INCIDINES:
- I. EXCAVATION OF TOPSOL AND OTHER STRUCTURALLY UNSUITABLE MATERIALS WITHIN THOSE AREAS THAT WIL REQUIRE EARTH EXCAVATION OR COMPACTED EARTH FILL MATERIAL EXISTING VEGETATION SHALL BE REMOVED PROX TO STRIPPING 10950L OR FILLING AREA OF THE
- 2. PLACEMENT OF EXCAVATED MATERIAL IN OWNER-DESIGNATED AREAS FOR FUTURE USE WITHIN AREAS TO BE LANDSCAPED AND THOSE AREAS NOT REQUIRING STRUCTURAL FILL MATERIAL, PROVIDE NECESSARY EROSON CONTROL MEASURES FOR STOCKYELL
- I. TOPSOL STOCKPILED FOR RESPREAD SHALL BE FREE OF CLAY AND SHALL NOT CONTAIN ANY OF THI TRANSTRONAL NATERIAL BETWEEN THE TOPSOL AND CLAY, THE TRANSTRONAL MATERIAL SHALL BE USED IN NOW-STRUCTURAL PILL AREAS OR OR OPPOSED OF OFF-STE.
- . TOPSOIL RESPREAD SHALL INCLUDE HAULING AND SPREADING SIX (6) INCHES OF TOPSOIL DIRECTLY OVER AREAS TO BE LANDSCAPED WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE OWNER. 5. MODERATE COMPACTION IS REQUIRED IN NON-STRUCTURAL FILL AREAS.
- FARTH EXCAVATION INCLUDES:
- EXCAVADION OF SUBSURFACE MATERIALS WHICH ARE SUTABLE FOR USE AS STRUCTURAL FILL. THE EXCAVADON SHALL BE TO WITHIN A TOLERANCE OF 0.1 FEET OF THE PLAN SUBGRADE DEVATORS WHILE MAINTARNING PROPER DRAWAGE. THE TOLERANCE WITHIN PARSIVENT AREAS SHALL BE SUCH THAT THE EARTH MATERIALS SHALL "BALANCE" DURING THE FINE GRADING OPERATION.
- 2. PLACULUIT OF SUTABLE MATERIALS SHALL SE WHITE HORSE MEADING OFFERATION.

 ORDER TO ADDRESS THE PLANT SUBPRINCE SEXVAINING TO WITHIN A TOLERANCE OF OLIFIET. THE FILL MATERIALS SHALL SET FLACED IN LOSSE LITTS THAT SHALL HOT EXCEED IGENT (6) MICHES IN THICKNESS, AND THE WATER CONTENT SHALL BE ADJUSTED IN ORDER TO ACHEVE REQUIRED COMPACTION.
- STRUCTURAL PLL MATERIAL MAY BE PLACED WITHIN THOSE PORTIONS OF THE SITE NOT REQUENT STRUCTURAL PLL, WINN SIX (6) INCHES OF THE PLAN BINSHED CRACE ELEVATION, IN AREAS REQUENTED STRUCTURA, PLL, HOWEVER, THIS MATERIAL SHALL NOT BE PLACED OVER 100 FOODL OR OTHER VISUATION. BUT STRUCTURES SPECIFICALLY DIRECTED BY A SOLS ENGINEER WITH THE CONCUMERIZE OF THE OWNER.
- 4. COMPACTION OF SUITABLE MATERIALS SHALL BE TO AT LEAST 93% OF THE MODIFIED PROCTOR DRY DENSITY WITHEN PROPOSED PANEMENT AREAS, SDEWALK, ETC. COMPACTION SHALL BE AT LEAST 95% OF THE MODIFIED PROCTOR WITHIN PROPOSED BULDING PAD AREAS.
- UNSATARE MATERAL UNSUITABLE MATERNAS SHALL BE CONSORED MATERAL THAT IS NOT SUITABLE FOR THE SUPPORT OF PAREMENT AND BULDING CRISTINGTON, AND IS ENCOUNTERED BELOW NORMAL TOPSOL DEPTHS. AND THE PROPOSED SUBGRADE ELEVATION, THE DECOSON TO RECOVE SAD MATERIAL AND TO MHAT EXTENT SHALL BE MADE BY THE ENGINEER WITH THE CONCURRENCE OF THE OWNER.
- DISCRILANGUES THE CONTRACTOR SHALLS
- . SPREAD AND COMPACT UNIFORMLY TO THE DEGREE SPECIFIED ALL EXCESS TRENCH SPOIL AFTER COMPLETION OF THE UNDERGROUND IMPROVEMENTS.
- . SCARFY, DISC, AERATE, AND COMPACT, TO THE DEGREE SPECIFIED, THE UPPER TWELVE (12) INCHES OF THE SUITABLE SUBGRADE MATERIAL IN ALL AREAS THAT MAY BE SOFT DUE TO EXCESS MOSTURE CONTENT. THIS APPLIES TO DUT AREAS AS WELL AS PILL AREAS.
- I. PROVIDE WATER TO ADD TO DRY MATERIAL IN ORDER TO ADJUST THE MOISTURE CONTENT FOR THE PURPOSE OF ADDIEWING THE SPECIFIED COMPACTION.
- 4. BACKFILL THE CURB AND GUTTER AFTER ITS CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL.

- TESTING AND FINAL ACCEPTANCE
- THE CONTRACTOR SHALL PROVIDE AS A LINEWAY A FULLY LOADED SX—WHEEL TAMOBU AND TRUCK FOR PROOF ROLLING THE PARKENT SUBGRADE PRIOR TO THE PLACEMENT OF THE CURB AND CUTTE AND THE BASE. MATERIAL THIS SHALL BE WINESSED BY THE ENGINEER AND THE OWNER, (SEE PAWNE SEPORCATION.)
- . Any unsuitable area encountered as a result of proof rolling shall be removed and replaced with subtable material or otherwise corrected and approved by the engineer

PAVING NOTES

- PAWMG WORK INCLUDES FINAL SUBGRADE SHAPING, PREPARATION, AND COMPACTION: PLACEMENT O SUBBASE OR BASE COURSE MATERIALS; BITUANOUS BINDER AND/OR SURFACE COURSES; FORWARD, FINISHING, AND CURRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, AND WALKS; AND FINAL CLEAN-UP AND ADDRING CONCRETE PACEMENT, CRRS, A
- . COMPACTION REQUIREMENTS SHALL MEET GEOTECHNICAL SPECIFICATIONS AND CITY OF MADISON REQUIREMENTS.
- SUBGRADE PREPARATION
- LATINGER, FOR PROPOSED PASSENT SUGGRADE SMALL BE FINISHED TO WHITN AT FOOL PASSENT PASSENT FOR PROPOSED PASSENT PROPERTY PREPARED AND THAT THE SUGGRADE HAS BEEN PROPERTY PREPARED AND THAT THE FINISHED TOP SUGGRADE ELEVATION HAS BEEN GRADED WITH TOLERANCES ALLOWED IN THESE SPECIFICATIONS, UNLESS THE CONTRACTOR AND SESS THE CONTRACTOR AND PASSENT PROPERTY PROPERTY OF THE GRADING FOR BASE COURSE CONSTRUCTION. IT IS UNDERSTOOD THAT THE CONTRACTOR AND APPROVED AND ACCEPTS THE RESPONSIBILITY FOR THE SUGGRADUE.
- 2.2.1. SCARFY, DISC. AND AFRATE.
- 2.2.2. REMOVE AND REPLACE WITH STRUCTURAL CLAY FILL
- .2.3. RENOVE AND REPLACE WITH GRANULAR MATERIAL. 2.2.4. USE OF GEOTEXTILE FABRIC.
- MAXIMUM DEFLECTION ALLOWED IN ISOLATED AREAS MAY BE ONE-QUARTER (1/4) INCH TO ONE-HALF (1/2) INCH IF NO DEFLECTION OCCURS OVER THE MAXORITY OF THE AREA.
- 1. PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER AND THE PLACEMENT OF THE BASE MATERIAL, THE PAYEMENT AREA SHALL BE FINT-GRADED TO WITHIN GLO4 FEET (1/2, 1004) OF FINAL SUGGRADE LEVATION, TO A PORT TWO (2) FEET BETWOND THE BACK OF THE CURB, SO AS TO EVISIBLE THE PROPER THEORIESS OF PAYEMENT COURSES. NO CLAUS FOR EXCESS QUANTITY OF BASE MATERIALS DUE TO UNPROPER SUBGRADE PREPARATION MILL EET HOROGED.
- 4. PRIOR TO PLACEMENT OF THE BASE COURSE, THE SUBGRADE SHALL BE APPROVED BY THE TESTING CONCRETE WORK
- 3.1. ALL EXTERIOR CONCRETE SHALL BE PORTLAND CEMENT CONCRETE WITH AIR ENTRAINMENT OF NOT LESS THAIR FIVE (5%) OR MORE THAIR DIGHT (6%) PERCENT. CONCRETE SHALL BE A MANUAU OF SH (6) BAO MAY AND SHALL DEVELOP A MENUAU OF 3.500 PS COMPRESSVE STRENGTH AT FORTER (14) DATS AND A MANUAU OF 4,0000 PS COMPRESSVE STRENGTH AT THEIRTY-DIGHT (26) DATS ALL CONCRETE SHALL BE BROWN-FINSHED PERFORMICHALT ON THE OPERCINAL OF TRIANS.
- CONCRETE CURB AND/OR COMBINATION CURB AND CUTTER SHALL BE OF THE TYPE SHOWN ON THE PLANS. THE CONTRACTOR IS CAUTIONED TO REFER TO THE CONSTRUCTION STANDARDS AND THE PAREMENT COSTS SEEMED OF BEING THE CONTRACTOR OF THE PERMANDIST OF THE PAREMENT COSTS SEEMED OF BEING THE PERMANDIST OF TH
- THE CURBS SHALL BE BACKFILLED AFTER THEIR CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE.
- 5. CONCRETE SIDEWALK SHALL BE III ACCORDANCE WITH THE ABOVE AND THE PLANS, PROVIDE SCORED JOINTS AT 3-FOOT INTERVALS AND 1/2-INCH PRE-INCIDED RIBER EXPANSION JOINTS AT 20-FOOT INTERVALS AND ADJACENT TO CONCRETE CURBS, DRIVEWAYS, FORDRAINONS, AND OTHER STRUCTURES
- 3.6. CONCRETE CURRIG AND PROTECTION SHALL BE PER WISDOT STANDARDS, TWO (2) COATS OF WISDOT APPROVED CURING AGENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES.
- 7. THE COST OF AGGREGATE BASE OR SUBBASE UNDER CONCRETE WORK SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONCRETE ITEM.
- THE PAVENETY NATERIALS FOR BIUDINOUS STREETS, PARKING LOTS, AND DRIVE ASSESS SHALL BE AS DETAILED ON THE PAUNS, UNLESS ORIERING SHOWN OF THE PAUNS, THE FIT DIBBLE PAVENETH SHALL AND BIUDINOUS CONCRETE SHAPE COURSE. SHEPBAYE, WAS 1950, OF THE TROODERS MOD NATERIALS SPECIFED ON THE PLANS, THICKNESSES SPECIFIED SHALL BE CONSIDERED TO BE THE NAMED AND ADDRESSED THROUGHS OF THE PLANS.
- 2. ALL TRAFFIC SHALL BE KEPT OFF THE COMPLETED AGGREGATE BASE UNTIL THE BINDER COURSE IS LAD, THE AGGREGATE BASE SHALL BE INFORMLY PRIVE COATED AT A RATE OF 0.4 TO 0.5 GALLO DEP SYLERE YARD PRIOR TO PLANDED THE PRIVING COURSE.
- 3. PRIOR TO PLACEMENT OF THE SURFACE COURSE, THE BINDER COURSE SHALL BE CLEANED AND TACK-COATED IF DUSTY OR DRITY, ALL DIAMAGED AREAS BIT THE BINDER, BASE, OR CARS SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER PROR TO LANNING THE SURFACE COURSE. THE CONTRACTOR SHALL PROVIDE WHATEVER EQUIPMENT AND STAFF RECESSART, MICLIONIC THE USE OF THE SURFACE COATES. THE OTHER BROOKS OF RECOURCED BY THE OWNER, TO REPEARE THE PAREABILT FOR A PUCKTORIO OF THE SURFACE COATES. THE TACK COAT SHALL BE ONLY OWNER APPLIED TO THE BROOK COURSE. THE TACK COAT SHALL BE ONLY OWNER APPLIED TO THE BROOK COURSE. THE TACK COAT SHALL BE ONLY OWNER APPLIED TO THE BROOK COURSE. THE TACK COAT SHALL BE ONLY OWNER APPLIED TO THE BROOK COURSE. THE TACK COAT SHALL BE ONLY OWNER.
- . SEANS IN BAN, BINDER, AND SURFACE COURSE SHALL BE STAGGERED A MINIMUM OF 6 INCHES.
- TESTING AND FINAL ACCEPTANCE. THE CONTRACTOR SHALL FOLLOW THE QUALITY CONTROL TESTING PROGRAM FOR CONCRETE AND
 PAYEMENT MATERIALS ESTABLISHED BY THE ENGINEER.
- PRIOR TO PLACEMENT OF THE BITUMMOUS CONCRETE SURFACE COURSE, THE CONTRACTOR, WHEN REQUIRED BY THE CITY OF MADISON, SHALL OBTAIN SPECURENS OF THE BINDER COURSE WITH A CORE PRILL WERED PRECEDE, FOR THE PURPOSE OF THEOMORESS VERNICATION.
- 3. WHEN PROPRED BY THE CITY OF MADISON, THE CONTRACTOR SMALL GOSTAN SPECIALIS OF THE FULL BETH BRITHMOND SCHRETE PARKENT STRUCTURE WITH A GORE DAIL MERE DIRECTED WOOD TO CONFIRM THE PLANT MICCHESS, DEPOSICIOES IN TROVIESS SHALL BE ADJUSTED FOR BY THE METHOD REQUIRED BY WISDOT STANDARDS.
- . Final acceptance of the total pavenent installation shall be subject to the testing and checking requirements cited above.
- ALL NATERIAL AND CONSTRUCTION SHALL CONFORM TO THE CITY OF MADISON CODE. WHEN CONFUCTS
 ARSE BETWEEN VILLAGE CODE, GENERAL NOTES AND SPECIFICATIONS, THE NORE STRINGENT SHALL TAKE
 RECONSTRUCT.

SIGNAGE AND PAVEMENT MARKING NOTES

- ALL SIGNING AND PAYENENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEWCES (MUTCO) AND THE WISCONSIN DEPARTMENT OF TRANSPORTATION (MISDOT)
- SIGNS: SIGNS SHALL BE CONSTRUCTED OF 0.080-INCH THICK FLAT ALUMENUM PANELS WITH REFLECTORIZED LEGEND ON THE FACE, LEGEND SHALL BE IN ACCORDANCE WITH THE MUTCH.
- POSTS: SCN POSTS SHALL BE A HEAVY-DUTY STEEL "U" SHAPED CHANNEL WEGGENG 3.0 POUNDS/ SUCH AS A TYPE 8 NETAL POST, AS PER THE WISDOT STANDARDS (OR 2-NICH PERFORATED STEEL THEET)
- SIGNS AND DOSTS SHALL BE INSTALLED IN ACCORDANCE WITH WISHOT STANDARDS.
- PANEMENT MARKINGS: ALL PAVEMENT MARKINGS IN THE PUBLIC RIGHT-OF-WAY, SUCH AS STOP LINES, CENTERLINES, CROSSMALKS, AND DIRECTIONAL ARROWS, SHALL BE REFLECTORIZED THERMOPLASTIC HOT ROLLED HITO PAYEMENT.
- PAYEVENT WARKINGS ON BIKE PATHS, PARKING LOT STALLS, AND SWILAR "LOW-WEAR" APPLICATIONS SHALL BE PAINT IN ACCORDANCE WITH WISDOT STANDARDS.
- COLOR, WOTH, STILE, AND SIZE OF ALL NARRHINGS SHALL BE IN ACCORDANCE WITH THE MUTCO AND LOCAL CODE. STANDARD PARKING SPACES SHALL BE PAINTED WHITE.
- THERNOPLASTIC WARKINGS SHALL BE INSTALLED WHEN THE PAYEMENT TEMPERATURE IS 55 DEGREES FAHRENHEIT AND RISING, PAINT WARKINGS WAY BE INSTALLED WHEN THE AIR TEMPERATURE IS 50 DEGREES REPREHENT AIM RISING SANITARY SEWER NOTES
- SANIARY SCREEN FOR ALL SANIARY SOURCE PIE WATERIAL STEEN FOR THE SANIA OF WINDOWS AND ANY STREET STEEN FOR THE SANIARY SCREEN FOR THE PART AND ANY SCREEN FOR THE PART AND ANY SCREEN SANIARY SCREEN FOR THE PART AND ANY SCREEN FOR THE PART AND SCREEN FOR THE PART AND SCREEN FOR THE SANIARY SCREEN FOR SCREEN FOR THE WATER AND SCREEN FOR THE WASTE OF THE WATER AND SCREEN FOR THE WASTE OF THE WATER AND SCREEN FOR THE WASTE SCREEN FOR THE PROCESSOR FOR THE P
- PIPE SIZE CODE PLPE MATERIAL
 4" 12" PVC POLYNINI CHLORIDE PLASTIC PIPE SDR-26 (ASTM D3034 AND D2241)
 4"-48" DIP DUCTILE IRON PIPE, CLASS 52 (ANS 21.51 AND AWAY C151)
- BAND-SEAL OR SWILAR FLEXBLE—TYPE COUPLINGS SHALL BE USED WHEN CONNECTING SEWER P.P.ES OF DISSULLAR MATERIALS. ALL SANTARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COURSING SEWER ASPAS), REQUIRES STONE BEDDING WITH STORE X, TO IT IN 152E WITH MINUMUM

- BEDDING PROCRESS EDUAL TO X, THE QUIDDIC DIAMETER OF THE SEMER PIPE, BUT NO LESS THAN FOM (C) WHICHS NOR MORE THAN BOTH (6) KNOTES, AS A MINHUM, THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 704-01 OF THE "STANDARD SPECIALITIONS FOR ROAD AND BRODE CONSTRUCTION" OF THE STATE OF ELIMOS OR ASTIC —2.3. THE GRADATION SHALL CONFORM TO GRADATION CA-11 OR CA-13 OF THE ILLINOS STANDARD SPECIALITIONS AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
- . ALL UNSVITABLE MATERIALS SHALL BE REMOVED BELOW THE PROPOSED SANITARY SEWER AND REPLACE WITH COMPACTED CRUSHED GRAVEL OR STOKE, AS PER WISDOT STANDARDS.
- I. ALL TRENOIES BENEATH PROPOSED OR ENSTRIG UTILITIES PAYOUENTS, ROLDWAYS, SOCHAUSS, AND FOR A USTAINCE OF TWO (IF TEET ON LIDING SOC OF SME, AND ON MISTIES OWNEY IN THE DAYLIN, SMALL MECHANOCALLY COMPACTED IN 9-NICH TRICK (LOOSE WEARINGSONS THIS TROOGNEY WITH THE WATER IS
- . ALL SANITARY SEWERS ARE TO BE CONSTRUCTED USING A LASER INSTRUMENT TO MAINTAIN LINE AND
- . CONNECTIONS TO EXISTING SANITARY SEWER SYSTEM SHALL NOT BE DONE UNTIL AUTHORIZED BY THE CITY OF MADSON.
- 7. WATERWAINS SHALL BE SEPARATED FROM SANITARY SEWERS AND STORM SEWERS IN ACCORDANCE WITH NATURAL RESOURCES CONSERVATION SERVICE WISCONSIN (NRCS—W) RECURRENENTS, AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR SERVER AND WATER CONSTRUCTION IN MISCONSIN.
- . NO WATER LINE SHALL BE PLACED IN THE SAME TRENCH AS A SEWER LINE, EXCEPT UNDER SPECIAL CIRCUMSTANCES AND THEN ONLY UNDER THE FOLLOWING RULES:
- A. IF NECESSARY PERIOSSION SHALL BE OBTAINED FROM THE CITY OF MADISON IN WRITING PRIOR TO BEGINNING CONSTRUCTION. B. THE BOTTOM OF A WATER LINE SHALL BE INSTALLED ON A SHELF A MINIMUM OF 18 INCHES ABOVE THE TOP OF THE SEWER AND 18 INCHES HORIZONTALLY AWAY FROM THE EDGE OF THE SEWER.
- 1. ALL SANTARY MANHOLES (AND STORM MANHOLES IN COMBINED SEWER AREAS) SHALL HAYE A MINIMUM INISDE DIAMETER OF 48 NICHES AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE. WATERTISH BOOT, COMPONING TO ASTU. G-923, SHALL BE USED AT THE PIPE-STRUCTURE CONCRET.
- . ALL PIPE CONNECTION OPENINGS SHALL BE PRECAST WITH RESIDENT RUBBER WATER-TIGHT SLEEVES. TH BOTTOM OF THE MANHOLE SHALL HAVE A CONCRETE BENCH POURED TO FACULTATE SMOOTH FLOWS. OFFICIALS AND LOSS SEE ESTATS FOR ALL SWITTER SEVER MANNOE FIRMES AND NOS. THE UDG SHALL SWITTER CONCRETE THE PROPERTY OF THE WORD SWITTER THE
- 1. A MAXIMUM OF TWELVE (12) INCHES OF CONCRETE-ADJUSTING RINGS SHALL BE USED TO ADJUST FRAN FIFYATIONS, RINGS SHALL BE SEALED TOOETHER WITH BUTYL ROPE.
- 2.CLEANING: ALL MARHOLES AND PIPES SHALL BE THOROUGHLY CLEANED OF DIRT AND DEBRIS, AND ALL MISBLE LEAKAGE ELIMINATED, REFORE FINAL INSPECTION AND ACCEPTANCE.
- 3.TESTING: DEFLECTION, AIR, AND LEAKAGE TESTING WILL BE REQUIRED. THE PROCEDURE AND ALLOWABLE TESTING UNITS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN MISCOUSIN
- A. TESTING THE ALIGNMENT/STRAIGHTNESS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STEENING, IF REQUED BY THE MANDAULTY, ALL SANTARY SENGES SHALL BE TREAMED, AND A COON OF THE TIME AND A WRITTEN REPORT SHALL BE SENSITED ON REVISED BY THE COTY OF MAJORN BEFORE THE ACCEPTANCE, THE REPORT SHALL INCLUDE STUB LOCATION AS WELL AS A DESCRIPTION OF ALL DEFECTS, WARTE LEVEL, LEAKS, AND LEMENTS, INDIFFEY MANHOLE TO MANDAUE BOTH VERBALLY AND OHL-SCREEN USING MAMMALE NUMBERS FROM APPROVED PLANS, OPPORT OF WRITTEN REPORT SHALL BE THE SHALL AS A DE WOODLYNEST.
- 6. IEST RESULTS: IF THE SANTAY SEMEN INSTALLATION FALS TO MEET THE TEST REQUIREMENTS SPECIFIED, THE CONTRACTOR SHALL DETERMINE THE CAUSE OF CAUSES OF THE DETECT AND REPAIR, OF REPLACE ALL MATERIALS AND WORKMANSHIP, AS MAY BE RECESSARY TO COMPLY WITH THE TEST REQUIREMENTS.
- 17. CENTRICATION: CONTRACTOR SHALL SUBMIT CERTIFIED COMES OF ALL REPORTS OF TESTS CONDUCTED AN INDEPENDENT LIBORATORY BEFORE INSTALLABLE CONDUCT. IN ACCORDANCE WITH STANDARD CONTROL OF THE PROPERTY OF THE P
- B.CONTRACTOR SHALL VERIFY THAT THE TESTING METHODS DESIGNATED HEREIN ARE ACCEPTABLE TO THE LOCAL AUTHORIDES HAWING JURISDICTION OVER THIS PROJECT.

STORM START FREE ALL STORM SEVER HIPE AMERIAL SIZE HID THE SHALL BE INSTALLED AS INDICATED ON THE DILBTH PLAN. MORESS ORIGINATE ORIGIN OF PLANS. ALL STORM SEVER PIPE SHALL BE REINFORCED COKREIT, PIPE, IN ACCORDANCE WITH MISCOL STANDARD SPECFICATIONS FOR DETERMINING PER CLASS AND CONFORMEN OF AND OTHER MISCOL STAND THE AMERICA, SEVER AND THE MUST BE APPROVED BY THE OWNER, ELONKEE AND OTH OF MAJOSOM PRIOR TO ORDERING MATERIALS OR INSTALLIED HE ALL STANDARD AND CONFORMED AND THE OWNER, PICKNEEP AND OTH OF MAJOSOM PRIOR TO ORDERING MATERIALS OR INSTALLIED THE ALL STANDARD AND CONFORMED.

- BAND-SEAL OR SMILAR COUPLING SHALL BE USED WHEN JOINING SEWER PIPES OF DISSIVILAR MATERIALS
- ALL FOOTING DRAIN DISCHARGE PIPES AND DOWN SPOUTS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- CONSTRUCTION: ALL STORM SEWERS ARE TO BE CONSTRUCTED USING A LASER INSTRUMENT TO MARITANI UNE AND GRADE. COVER: THE CONTRACTOR SHALL MAINTAIN AT LEAST TWO (2) FEET OF COVER OVER THE TOP OF SHALLOW PIPES AT ALL TIMES DURBNIC CONSTRUCTION. THE CONTRACTOR SHALL MOUND OVER ANY PIPES HALL MAKE LESS THAN TWO (2) FEET OF COVER DURBNIC CONSTRUCTION UNTIL THE AREA IS FRIAL GRAVED OR PAMED.
- A CONCRETE BENCH TO DIRECT FLOWS SHALL BE CONSTRUCTED IN THE BOTTOM OF ALL INLETS AND MANNOLES.
- CLEANING: THE STORM SEMER SYSTEM SHALL BE THOROUGHLY CLEANED PRIOR TO FINAL INSPECTION AND TESTING. . THE STORM SEWER SHALL BE TELEVISED IF REQUIRED BY THE CITY OF MADISON.
- . MANHOLES, CATCH BASINS, INLETS, FRANES, GRATES, AND OTHER STRUCTURES SHALL BE CONSTRUCTED OF THE TYPE, STYLE, AND SIZE AS SET FORTH WITH THE ORDINANCES AND STANDARDS OF THE CITY OF MADISCI.
- 2. ALL PVC PIPES CONNECTED TO REINFORCED CONCRETE PIPE SHALL BE CORED AND BOOTED PER THE
- WATERMAN PPE: ALL MATERMAN PIPE MATERIAL, SIZE AND TYPE SHALL BE INSTALLED AS INDICATED OF THE UTILITY PLAN. UNLESS OTHERWES NOTED ON THE PLANS, ALL WATERMAN PIPE SHALL BEE TO CONSTRUCTED OF BIUMMOND-COATED COMPILIAND DUCTE. BEEN PIPE. CASS 52, CORPORATION, OF THE CONSTRUCTION PIPE. CASS 52, CORPORATION, THE ADMITS SHALL BE PUSH-FON COMPRESSION GASSET JOINTS CONFORMEND TO AND AZILLIT (AWAS CITIL). ANY CHANGES TO THE PIPE MATERIAL, SIZE AND TYPE MUST BE APPROVED BY THE OWNER, KNOMERS AND CIT OF MADISON PRORF TO ORDERING MATERIALS OR NESTALLING THE PIPE. ALL WATERMAN PIPE SHALL BY MATERMAN PIPE SHALL BY ALCORDANCE WITH THE TOLLORING.
- FITTINGS: ALL FITTINGS SHALL BE OF DUCTLE IRON WITH CEMENT MORTAR LINING AND MECHANICAL JOUR CONFORMING TO ANSI ASSILTO (AWAR CITO).
- VALVES: GATE VALVES SHALL BE USED ON ALL WATERWARDS, ALL VALVES SHALL TURN COUNTED-CLOCKIES OF OPER. VALVES SHALL BE ROOM BOOT RESIDENT MEDGE OF THE VALVES WITH HAVE INCOMEDIAL, JOHNS IN JOHN-193HO STEMS CONFORMING TO AWAR C-509. THE VALVES SHALL HAVE INCOMEDIAL, JOHNS IN JOHN-193HO STEMS CONFORMING TO AWAR C-509. THE VALVES SHALL THE MECHANICAL JOHTS AND ALL FASTEMERS ON THE VALVE BODY SHALL HAVE STAINLESS STEEL NUTS AND BOLTS.
- FIRE HYDRANTS: SEE PLANS FOR APPROVED FRE HYDRANT DETAIL FIRE HYDRANTS SHALL BE INSTALLED WITH AN AUXILIARY VALVE AND CAST IRON VALVE BOX. FIRE HYDRANTS SHALL HAVE AUXILIARY VALVES WITH A HYDRANT BARREL TO VALVE BOX RESTRAINING DEMOC. THE PUMPER CONNECTION SHALL FACE TH ROADWAY.
- PROVIDE AND INSTALL FOUR MEGALUG JOINT RESTRAINTS AT EACH JOINT FROM THE MAINLINE TEE TO THAUDULARY VALVE AND BETWEEN THE AUXILIARY VALVE AND THE HYDRANT BARREL. THE BREAK FLANCE AND ALL BELOW-GRADE FITTING SHALL HAVE STAINLESS STEEL NUTS AND BOLTS. CORPORATION STOPS: CORPORATION STOPS SHALL BE BRONZE BODY KEY STOPS CONFORMING TO AWAY C-800 AND SHALL INCLUDE "J" BEND, TALPIECE, AND COMPRESSION FITTINGS. SIZE AND LOCATION AS SHOWN ON THE PLANS.
- SERVICE BOX: PROVIDE CURB VALVE AND CURB BOX, AS INDICATED ON THE PLANS BOX SHALL BE EXTENSION TYPE WITH FOOT PIECE AND STATIONARY RODS FOR SIX (6) FEET OF BURY. MAXIMUM DEFLECTION AT PIPE JOINTS SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURER'S CURREN RECONVENDATIONS AND AWAY SPECIFICATIONS.
- . BEDDING: ALL WATERWARNS SHALL BE BEDDED ON FIRM GROUND, WITH BELLHOLES EXCAVATED SO THAT THE PIPE HAS AN EVEN SAND BEDDING FOR ITS ENTIRE LENGTH.

- CRANULAR BEDDING MATERIAL OR GRANULAR BACKFILL MATERIAL SHALL BE CAREFULLY PLACED TO THELVE (12) INCHES OVER THE TOP OF THE PIPE BEFORE FINAL BACKFILLING AND COMPACTION.
- . A MINIMUM DEPTH OF COVER OF 6-FEET SHALL BE MAINTAINED OVER THE WATER LINES. THE NAXIMUM COVER SHALL BE EIGHT (8) FEET, EXCEPT AT SPECIAL CROSSINGS AND CALLY AS DESIGNATED ON THE PLANS.
- . "MEGA-LUG" RETAINER CLANOS AND THRUST BLOCKING SHALL BE INSTALLED ON WATERNARS AT ALL BEINDS, FITTINGS, TEES, ELBOWS, ETC. "MEGA-LUG" RESTRAINED JOINTS ARE REQUIRED ON ALL VALVES AND ALL FITTINGS. THE COST FOR THIS WORK SHALL BE INDOCRITAL TO THE UNIT PRICE FOR THE PIPE INSTALLED.

IS. WATERMAN PROTECTION:

- 15.1. HORIZONTAL SEPARATION WATERWAINS SHALL BE LAID AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANTARY SEWER, OR SEWER SERVICES CONNECTION.
- 15.1.2. WATERWAINS MAY BE LAID CLOSER THAN TEN (10) FEET TO A SEWER LINE WHEN:
- 15.1.2.1. LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10) FEET;
- 15.1.2.2. THE WATERWARN INVERT IS AT LEAST EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE SEWER:
- 15.1.2.3. THE WATERMAN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.
- WHEN IT IS IMPOSSIBLE TO MEET (I) OR (2) ABOVE, BOTH THE WATERMAN AND ORAN OR SEWER SHALL BE CONSTRUCTED OF SEP-GM OR MECHANICAL JOINT CAST OF DUCTLE IRON POPE. SHALL BE CONSTRUCTED OF SEP-GM OR MECHANICAL JOINT CAST OF DUCTLE IRON POPE. CONSTRUCTION AND IN CONFERENCE WITH THE STANDARDS FOR WATER AND SEME OF CONSTRUCTION IN MASSON. THE DRAIN OR SEME SHALL BE PRESSURE—TESTED TO THE MASSINUL EXPECTED SURCHARCH HEAD BEFORE ADOPTILING.

5.2. YERTICAL SEPARATION

- 13.2.1. A MERIANI SHALL BE LAO SO THAT ITS INVERT IS BOHTEEN (18) INCRES ABOVE THE CRAIN OR SEWER WIRELYER WATERWARDS GROSS STORM SEWERS, SANTRAPY CONTRACT OF THE CRAIN OR SEWER SE
- BOTH THE WATERMAINS AND SEWER SHALL BE CONSTRUCTED WITH PIPE EQUIVALENT TO WATERMAIN STANDARDS OF CONSTRUCTION WHEN:
- 15.2.2.1. IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION, AS DESCRIBED ABOVE; OR THE WATERWAIN PASSES UNDER A SENER OR DRAM.
- A VERTICAL SEPARATION OF DIGHTEEN (18) WOMES BETWEEN THE INVERT OF THE SEMER OR ORAIN AND THE CROWN OF THE WATERMAIN SHALL BE MAINTAINED WHERE A WATERWAIN CROSSES UNDER A SEMER. SUPPORT THE SEMER OR ORAIN LINES TO PREVENT SETTLING AND BREADMIG OF THE WATERMAIN.
- ALL WATERNANS SHALL BE PRESSURE-TESTED FOR A JAN. OF 2 HOURS AT 200 PS, FLUSHED, AND DISSINGETED IN ACCORDANCE WITH AWAR AND CITY OF HARSON SPECIFICATIONS, EACH VALVE SECTION SHALL BE PRESSURE-TESTED FOR A MAINLY BY ONE (1) HOUR, ALOVABRE LEXANGES TO BE GITY, THAT WHICH IS PREDETERINED BY THE CITY OF MADISON, AT NO TIME IS THERE TO BE ANY WISBLE LEXANCE FROM DE MAIN.

CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATERWAYN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10) FEET.

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CONSTRUCTION

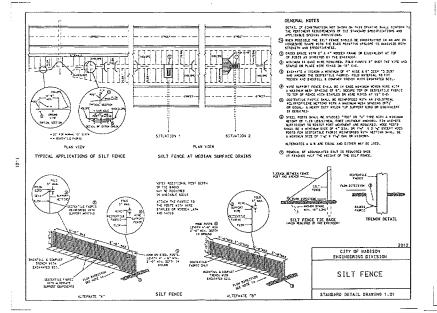
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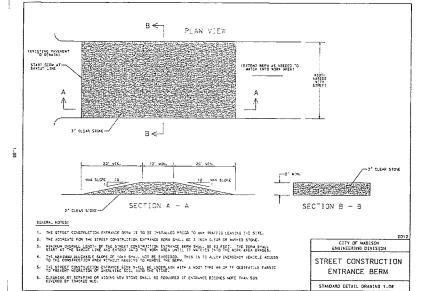
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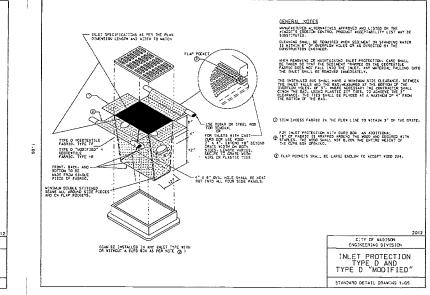
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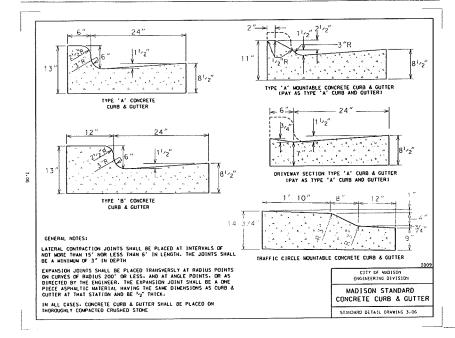
11/18/2014 KHA PROJECT NO 168299000 SHEET NUMBER

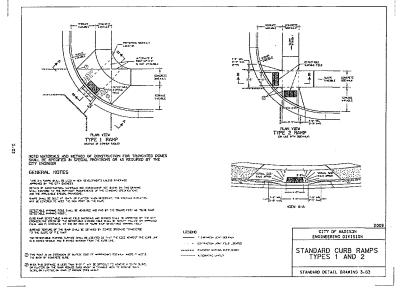
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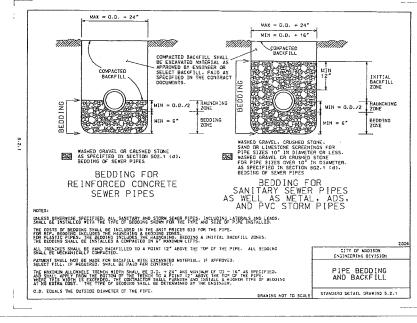












CONSTRUCTION DETAILS

Kimley » Horn

D ASSOCIATES, DRIVE, SUITE

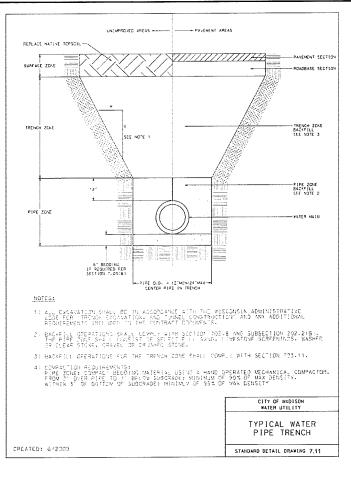
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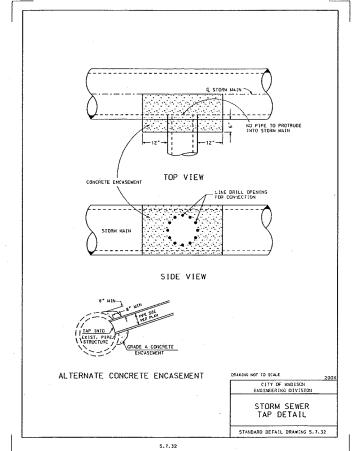
O 2014 KINLEY-HORN AND A 200 SOUTH EXECUTIVE DR BROOKFELD, WI 53005 PHONE: 262-789-6714 WWW.KIMLEY-HORN.COM

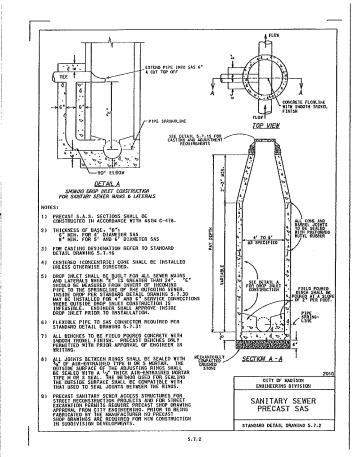
MADISON STUDENT HOUSING

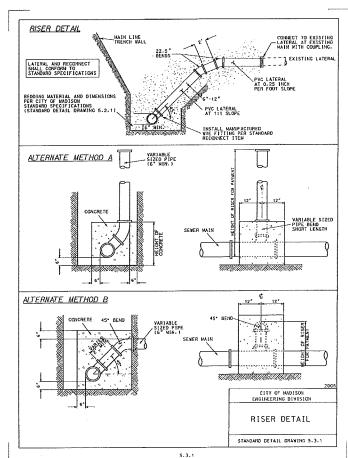
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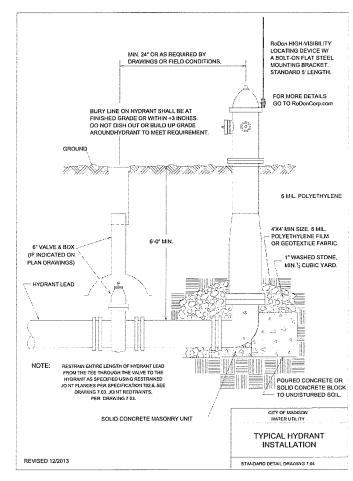
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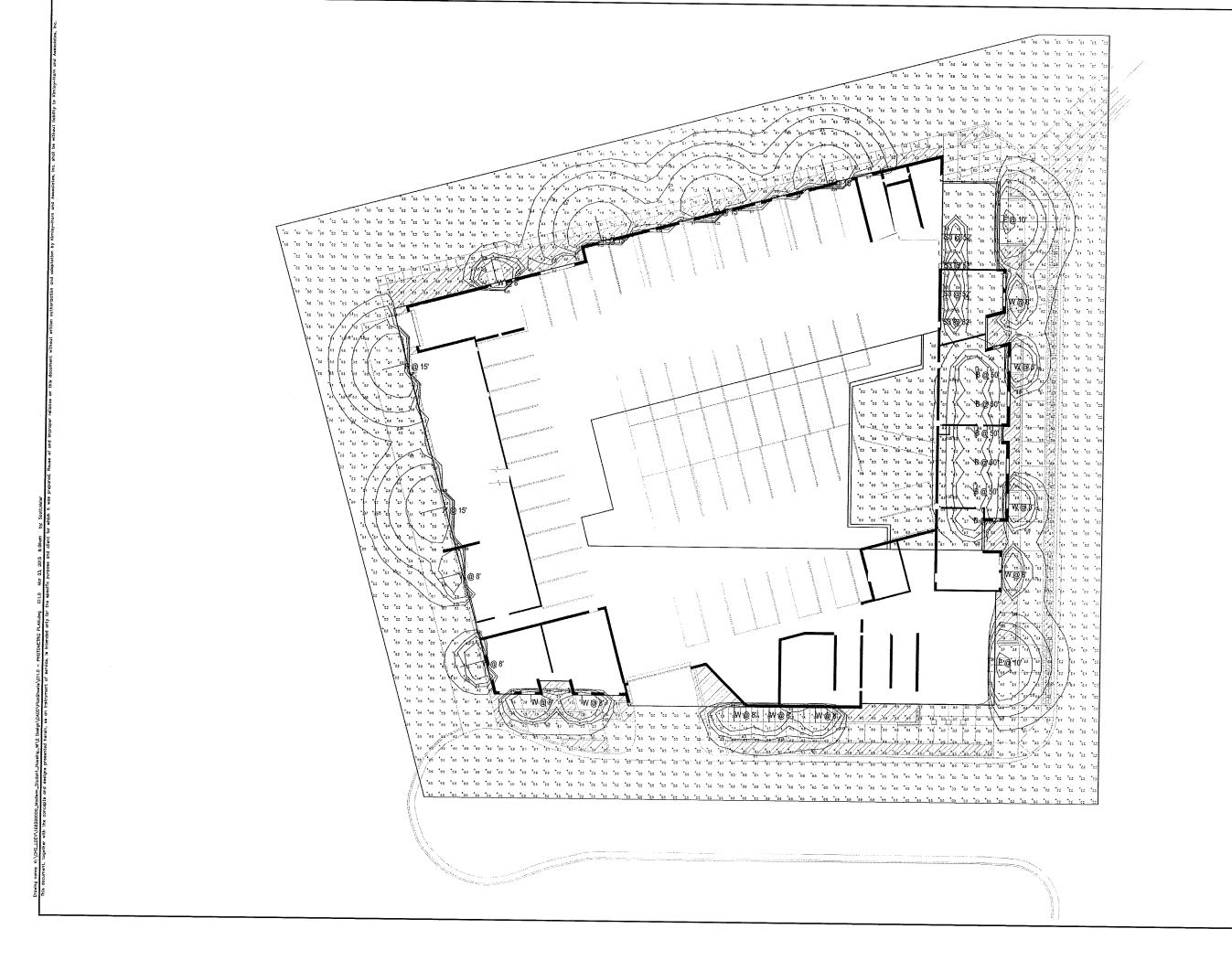












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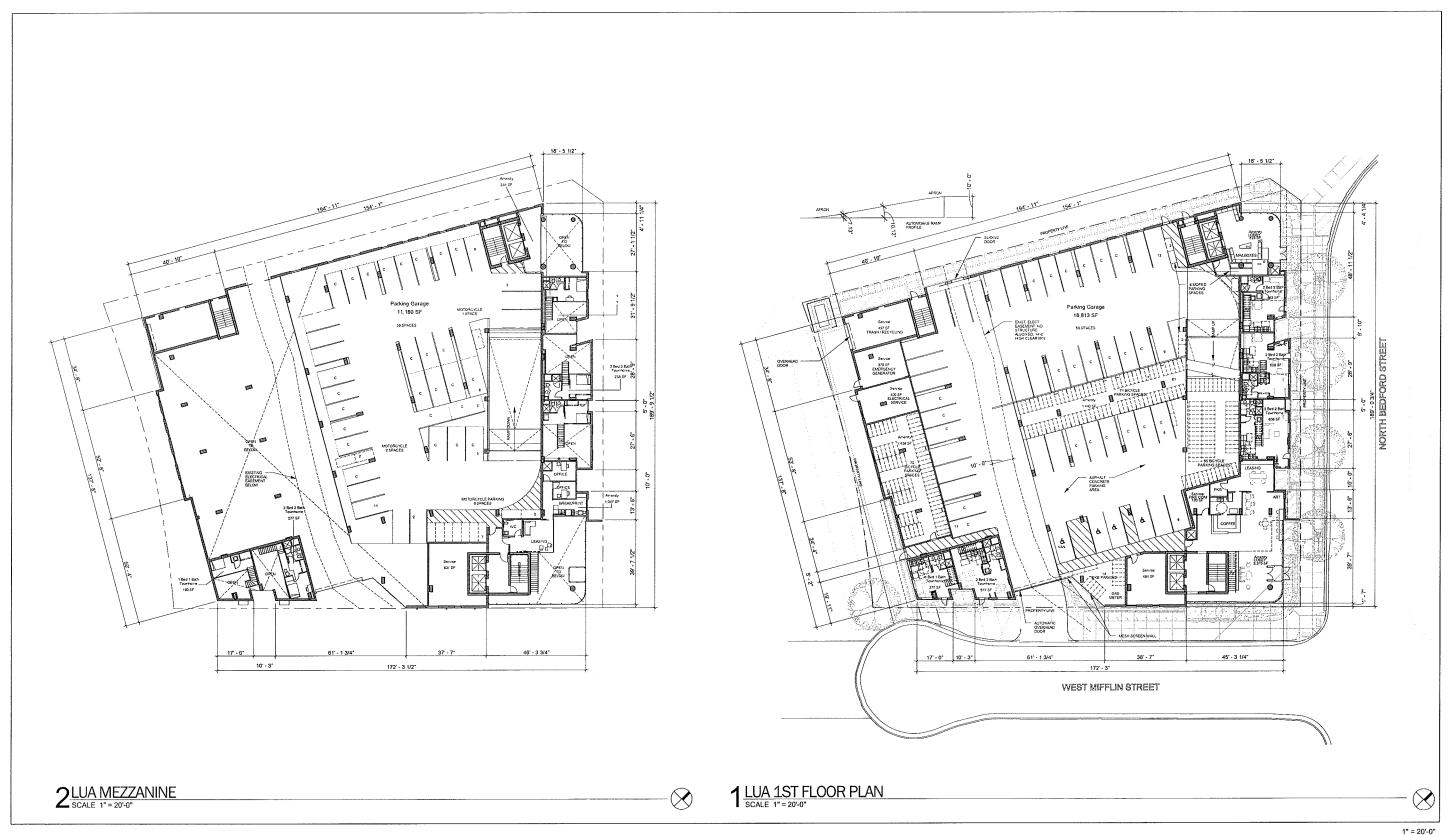
PHOTOMETRIC PLAN

MADISON STUDENT HOUSING

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Floor Plans 1st Floor and Mezzanine

CA Residential

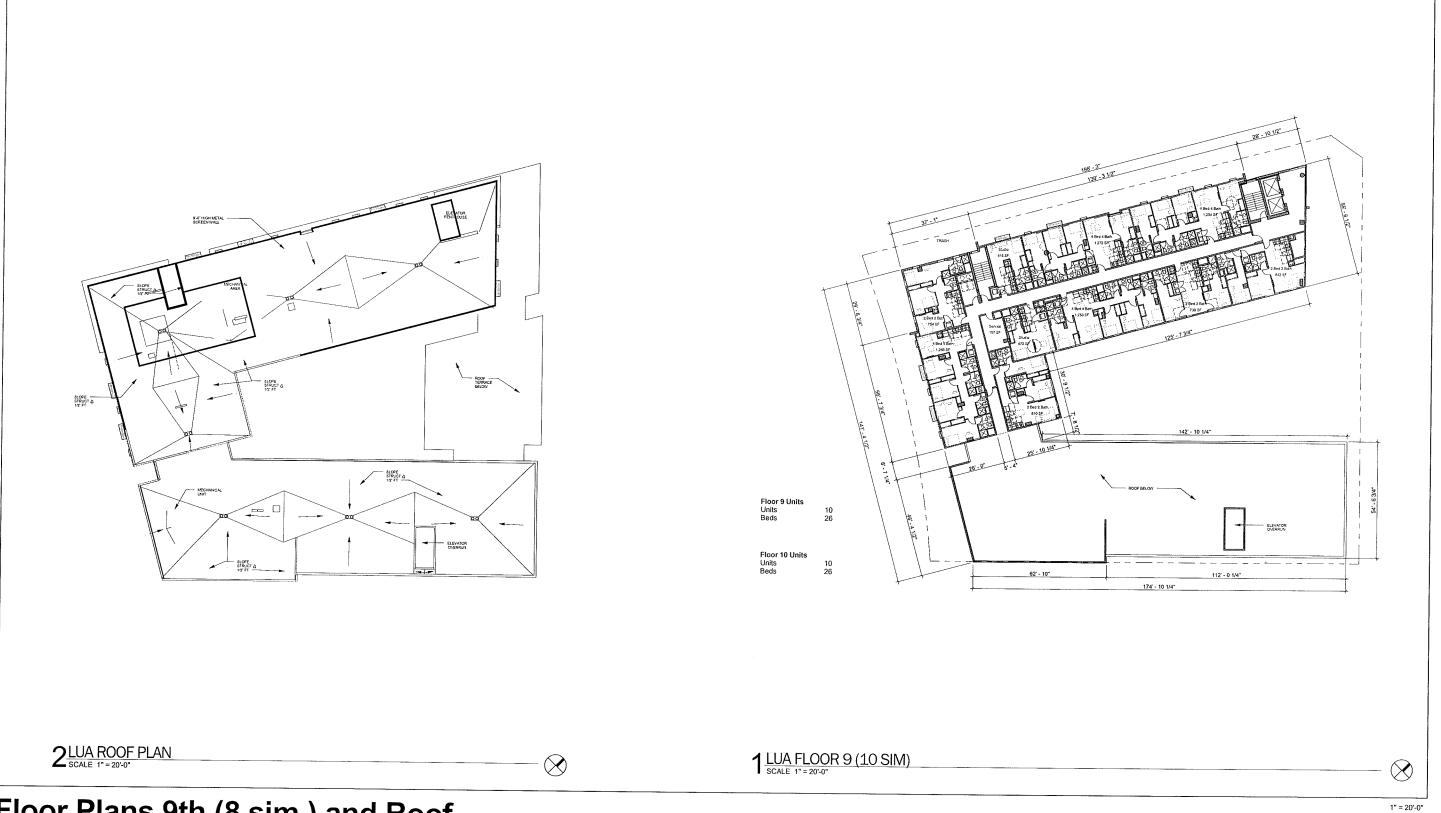
Madison Student Housing
114 North Bedford Street
Modison, Vit S7/703

Shepley Bulfinch



Floor Plans 5th and 6th (7th and 8th Sim.)

1 # 20-0



Floor Plans 9th (8 sim.) and Roof



Exterior Building Elevations

1" = 20'-0"

CA Residential
Madison Student Housing
114 North Bedford Street
Madison, Wishing