

110 N. Poplar Street • PO Box 218 • West Branch, Iowa 52358 (319) 643-5888 • Fax (319) 643-2305 • www.westbranchiowa.org • city@westbranchiowa.org

PLANNING AND ZONING (SPECIAL) COMMISSION MEETING Tuesday, October 12, 2021 • 7:00 p.m.

**West Branch City Council Chambers, 110 N. Poplar St.

Council Quorum May Be Present

- 1. Call to Order
- 2. Roll Call
- 3. Approve Agenda/Move to action.
- 4. Public Hearing/Non-Consent Agenda. /Move to action.
 - a. Review the Site Plan for Lot 11, Parkside Hills.
 - b. Motion to approve the Site Plan for Lot 11, Parkside Hills Subdivision. / Move to action.
- 5. Old Business
- 6. City Staff Reports
- 7. Comments from Chair and Commission Members
- 8. Next regular Planning & Zoning Commission meeting Tuesday, November 23, 2021.
- 9. Adjourn

In-person participation is encouraged, however not required.

** Electronic Meeting (Pursuant to Iowa Code section 21.8) An electronic meeting will be available for those not able to attend in person. You can watch and/or participate in the meeting at the following link https://zoom.us/j/829677991 or dial in phone number 1-312-626-6799 with Meeting ID 829 677 991.



SITE PLAN REVIEW CHECKLIST

Project Name	Parkside Hills Lot 11
Engineer	MMS Consultants
Reviewer	DRS, LB, TG, KS
Reviewed Date	10/5/2021

1. SITE PLAN 📈

A. Site plans shall only be required whenever any person proposes to place any structure for which a building permit is required under any other section of this Code, on any tract or parcel of and within any district of the West Branch Zoning Ordinance, and for any use, except one and two family dwellings.

DESIGN STANDARDS X

- A. The design of the proposed improvements shall make adequate provisions for surface and subsurface drainage, for connections to water and sanitary sewer lines, each so designed as to neither overload existing public utility lines nor increase the danger of erosion, flooding, landslide, or other endangerment of adjoining or surrounding property
- B. The proposed improvements shall be designed and located within the property in such manner as not to unduly diminish or impair the use and enjoyment of adjoining property and to this end shall minimize the adverse effects on such adjoining property from automobile headlights, illumination of required perimeter yards, refuse containers, and impairment of light and air.
- C. The proposed development shall have such entrances and exits upon adjacent streets and such internal traffic circulation pattern as will not unduly increase congestion on adjacent or surrounding public streets
- D. The proposed development shall conform to all applicable provisions of the Code of Iowa, as amended, Iowa Statewide Urban Design and Specifications (SUDAS), Iowa Stormwater Management Manual and all applicable provisions of the Code of Ordinances of the City of West Branch, as amended



SITE PLAN:

1.	Pre	pared by a licensed Engineer or Land Surveyor	X YES	□ NO
2.		Date of preparation, North point and scale no smaller than 1"=100'. Comments:		□ NO
3.	Legal description and address of the property to be developed. Comments:			□NO
4.	Name and address of the record property owner, the applicant, and the person or firm preparing the site plan Comments:		X YES	□NO
5.	exist con in b	e existing topography with a maximum of two (2) foot contour intervals. Where sting ground is on a slope of less than two percent (2%), either one (1) foot atours or spot elevations where necessary but not more than fifty (50) feet apart both directions, shall be indicated on site plan. In manufacture of the plan indicated on site plan.	▼ YES	□ NO
6.	Urb Reg	sting and proposed utility lines and easements in accordance with Iowa Statewide oan Design and Specifications (SUDAS) and City of West Branch Subdivision gulations. mments:	X YES	□NO
7.	Str	ucture Information:		
	a.	Total number and type of dwelling units proposed	X YES	□ NO
	b.	Proposed uses for all buildings	X YES	□NO
	c.	Total floor area of each building	X YES	□ NO
	d.	Estimated number of employees for each proposed use where applicable	X YES	□ NO
	e.	Any other information, including peak demand, which may be necessary to determine the number of off-street parking spaces and loading spaces.	X YES	□NO
8.	pur loca	ration, shape, and all exterior elevation views of all proposed buildings, for the rpose of understanding the structures and building materials to be used, the ation of windows, doors, overhangs, projection height, etc. and the grade ationship to floor elevation, and the number of stories of each existing building		
	to k	pe retained and of each proposed building.	X YES	□NO
9.	Pro	perty lines and all required yard setbacks.	X YES	□ NO
10.		ration, grade and dimensions of all existing and proposed paved surfaces and all utting streets.	X YES	□NO



11.	of al	plete traffic circulation and parking plan, showing the location and dimensions I existing and proposed parking stalls, loading areas, entrance and exit drives, walks, dividers, planters, and other similar permanent improvements.	X	YES	□ NO
12.		tion and type of existing or proposed signs and of any existing or proposed ing on the property which illuminates any part of any required yard.	X	YES	□NO
13.	and	tion of existing trees six (6) inches or larger in diameter, landslide areas, springs streams and other bodies of water, and any area subject to flooding by a one dred (100) year storm on site and downstream off site.	X	YES	□NO
14.	plan	tion, amount and type of any proposed landscaping. Location of proposed tings, fences, walls, or other screening as required by the zoning regulations the design standards set forth in Section 173.03.	X	YES	□NO
15.		cinity map at a scale of 1" = 500' or larger, showing the general location of the perty, and the adjoining land uses and zoning.	X	YES	□NO
16.	dete	tests and similar information, if deemed necessary by the City Engineer, to ermine the feasibility of the proposed development in relation to the design dards set forth in Section 173.03.		<mark>V/A</mark> YES	□NO
17.	Zoni	ere possible ownership or boundary problems exist, as determined by the ng Administrator, a property survey by a licensed land surveyor may be lired.	_	N/A YES	□NO
18.	Stor	mwater Pollution Prevention Plan.	X	YES	□NO
19.	Stor	mwater Management Plan.	X	YES	□NO
20.	Pre-	Application Conference.	X	YES	□NO
21.	Prov	ride 25% of open space			
		Said open space shall be unencumbered with any structure, or off-street parking or roadways and drives, and shall be landscaped and maintained with grass, trees and shrubbery.	X	YES	□ NO
		Each principal structure of an apartment or office complex on same site shall be separated from any other principal structure in the complex by an open space of not less than sixteen (16) feet.	X	YES	□ NO
22.	Lanc	dscaping Requirements			
		Minimum requirements at the time of planting - Two (2) trees minimum or one (1) tree of the following size per 1,500 square feet of open space, whichever is greater: 40 Percent $1\frac{1}{2}$ " - 2" caliper diameter. Balance 1" - $1\frac{1}{2}$ " caliper diameter. (Evergreen trees shall not be less than three (3) feet in height.)	X	YES	□ NO
		Minimum requirements at the time of planting - 6 shrubs, or 1 shrub per 1,000 square feet of open space, whichever is greater.	X	YES	□ №

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23. Buffer Required

	a.	Any other zoning district, other than an Agricultural A-1 District, that abuts any residential district shall require a buffer as described in this section. The buffer shall be provided by the non-residential use when adjoining a residential district.	▼ YES	NO
	b.	All Industrial Districts that abut any other district shall provide a buffer as required by this section.	X YES	NO
	c.	Any storage area, garbage storage, junk storage or loading docks, and loading areas, in any District shall be screened from public street view by a buffer	X YES	NO
24.	Buf	fers		
	а.	Buffer Wall: A buffer wall shall not be less than six (6) feet in height; constructed of a permanent low maintenance material such as concrete block, cinder block, brick, concrete, precast concrete or tile block; the permanent low-maintenance wall shall be designed by an architect or engineer for both structural adequacy and aesthetic quality.	N/A TYES	- Landscaped □NO
	b.	Landscape Buffer: A landscape buffer shall not be less than twenty-five (25) feet in width, designed and landscaped with earth berm and predominant plantings of evergreen type trees, shrubs and plants so as to assure year around effectiveness.	▼ YES	□NO
25.	Sur	facing Requirements.		
	a.	All off-street parking and loading areas and access roadways shall have a durable and dustless surface paved with asphaltic or Portland cement concrete pavement or pervious pavement. Off-street parking of automobiles, vans, campers, trucks, trailers, tractors, recreational vehicles, boats, construction equipment, and any other mobile vehicles shall be on an asphaltic or Portland cement concrete paved off-street parking area and not parked or stored within the landscaped open space area of the front yard. All off-street parking areas and associated driveways, access roadways and frontage roads, except driveways for single family residences, shall be constructed with permanent, integrally attached 6" high curbing or curbing of alternate height.	▼ YES	□NO
	b.	Portland Cement Concrete shall have a minimum thickness of five (5) inches.	X YES	□NO
	c.	Asphaltic Cement Concrete shall have a minimum thickness of six (6) inches.	YES	NO
	d.	Material utilized in the subgrade shall be well drained and not susceptible to frost boils. Driveways for attached townhouse style residences shall be Portland cement concrete or asphaltic concrete with minimum thickness of five (5) inches and six (6) inches, with well-drained subgrade base and not greater than eighteen (18) feet in width.	▼ YES	□NO

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26. Landscaping, Screening and Open Space Requireme			, Screening and Open Space Requirements.		
	a.	-	ng areas be aesthetically improved to reduce obtrusive characteristics inherent to their use.	X YES	□NO
	b.	contain exist. No	areas shall be effectively screened from general public view and shade trees within parking islands where multiple aisles of parking of less than five (5) percent of the interior parking area shall be need within parking islands.	▼ YES	NO
27.	Off-	-Street Pa	arking Access to Public Streets and Internal Traffic Circulation.		
		a.	forward movement of the vehicle.	X YES	NO
		b.	Driveway approach returns shall not extend beyond the side lot line as extended.	X YES	□NO
		C.	The number of ingress/egress access points to public streets from offstreet parking areas located to limit vehicular conflicts, preserve proper traffic safety.	▼ YES	□NO
28.		•	cessible Parking Requirements - comply with the parking space quirements.	X YES	NO
29.		-	sis Requirements. Any project which contains 100 dwelling units or ge day trips.	N/A	A - SD Agreement □ NO
30.		hitectura iew and a	Standards - architectural plans for buildings shall be submitted for approval.	X YES	□NO

KEYNOTES		
NUMBER	KEYNOTE	DETAIL
1	INSTALL DRIVE AND PARKING (SEE PAVING LEGEND TABLE THIS SHEET FOR THICKNESS AND MATERIAL)	
2	INSTALL STANDARD 6" CURB AND GUTTER	
3	INSTALL THICKENED EDGE SIDEWALK	
4	INSTALL 4" PCC SIDEWALK	
5	REMOVE EXISTING CURB AND GUTTER SECTION AND CONNECT TO EXISTING PCC PAVING W/ 'BT-5' JOINT	
6	INSTALL 4" WIDE PAVEMENT MARKINGS (TYP)	
7	HANDICAP PARKING STRIPING AND SIGNAGE PER DETAIL SHEET 6	
8	INSTALL ADA RAMP	
9	INSTALL 3" ROLL CURB AND GUTTER	
10	TRANSITION TO 6" CURB	
11	TRANSITION TO 3" ROLL CURB	
12	MATCH EXISTING CURB AND GUTTER	
13	INSTALL DUMPSTER ENCLOSURE	
14	RESIDENTIAL 12-PLEX (3 STORY) BUILDING 4 UNITS EACH FLOOR	
15	ATTACHED GARAGE(3 STALLS EACH)	

SITE PLAN PARKSIDE HILLS -LOT 11 IN WEST BRANCH, CEDAR COUNTY, IOWA, IN ACCORDANCE WITH THE RECORDED PLAT THEREOF, CONTAINING 1.31 ACRES AND SUBJECT TO EASEMENTS AND RESTRICTION OF RECORD. PARKSIDE HILLS -LOT 11 SITE DEVELOPMENT SUMMARY: ZONING: PUD SQUARE FOOTAGE: 57,062 SF COMMERCIAL PROPOSED USE: RESIDENTIAL

WEST BRANCH, IOWA

92.06'

PLAT PREPARED BY: MMS CONSULTANTS INC. 1917 S. GILBERT STREET IOWA CITY, IA 52240

ADVANTAGE DEVELOPMENT CO/CHAD KEUNE 760 LIBERTY WAY NORTH LIBERTY, IA 52317

CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS LANDSCAPE ARCHITECTS **ENVIRONMENTAL SPECIALISTS**

1917 S. GILBERT ST. IOWA CITY, IOWA 52240 (319) 351-8282 www.mmsconsultants.net

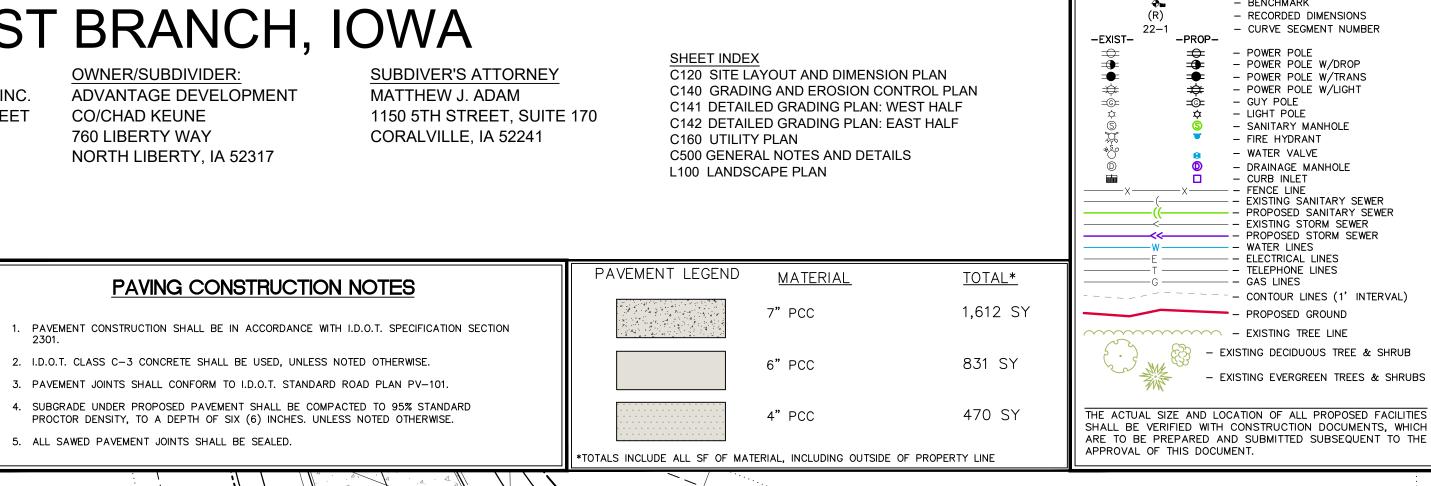
10/07/21 PER CITY REVIEW TAV/RLA

SITE LAYOUT AND **DIMENSION PLAN**

LOT 11 PARKSIDE HILLS WEST BRANCH, CEDAR COUNTY, IOWA

MMS CONSULTANTS, INC.

09-17-21 1273 pg. 47



STANDARD LEGEND AND NOTES

------ - CENTER LINES

— — — — — — PROPOSED EASEMENT LINES

— EXISTING CENTER LINES

- PROPERTY &/or BOUNDARY LINES - CONGRESSIONAL SECTION LINES

-- — - EXISTING RIGHT-OF-WAY LINES

— – LOT LINES, INTERNAL — – LOT LINES, PLATTED OR BY DEED

- EXISTING EASEMENT LINES



0 2 5 10 15 20

GRAPHIC SCALE IN FEET

PARKING REQUIREMENTS

57,062 S.F. (100%)

14,117 S.F. (24.7%)

24,568 S.F. (56.4%)

38,685 S.F. (67.8%)

18,377 S.F. (32.2%)

2 SPACES PER UNIT/ 12 UNITS (TWO BEDROOM EACH) PER BUILDING/ 2 BUILDINGS 2*(12+12) = 48 SPACES

15 FEET

20 FEET

PARKSIDE HILLS -LOT 11 ON SYCAMORE DRIVE IS TO BE A 1.31 ACRE. THE

PLAN WILL CONSIST OF 2 (TWO) PROPOSED RESIDENTIAL 12-PLEX BUILDINGS.

APPLICANT PLANS TO BEGIN CONSTRUCTION ON FALL 2021, WITH AN

DEVELOPMENT CHARACTERISTICS:

ESTIMATED COMPLETION DATE IN FALL 2022.

DEVELOPMENT SCHEDULE

SITE COVERAGES:

PROPOSED BUILDING AREA

PROPOSED PAVING AREA

TOTAL IMPERVIOUS AREA

LOT REQUIREMENTS

FRONT YARD SETBACK

SIDE YARD SETBACK

REAR YARD SETBACK

TOTAL LOT AREA

TOTAL OPEN AREA

TOTAL PARKING PROVIDED = 48 SPACES (24 PARKING SPACES (2 ADA)+24 GARAGE STALLS)

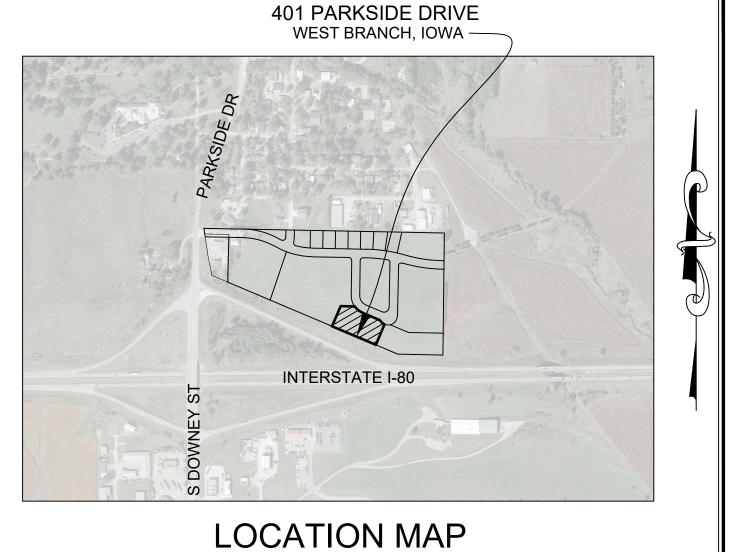
TOTAL PARKING REQUIRED = 48 SPACES

(ELM STREET) 15 FEET

(SYCAMORE DRIVE) 20 FEET

SITE LIGHTING SHALL BE PROVIDED ON THE SIDES OF THE BUILDING.

I hereby certify that this engineering document was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa. P.E. Iowa Lic. No. 14201 My license renewal date is December 31, 20 ____.



NOT TO SCALE

RONALD L AMELON,

Pages or sheets covered by this seal:

RONALD

AMELON

14201

THE CONTRACTOR SHALL NOTIFY IOWA ONE CALL AT 811 OR 800/292-8989 NO LESS THAN 48 HRS. IN ADVANCE OF ANY DIGGING OR EXCAVATION. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN

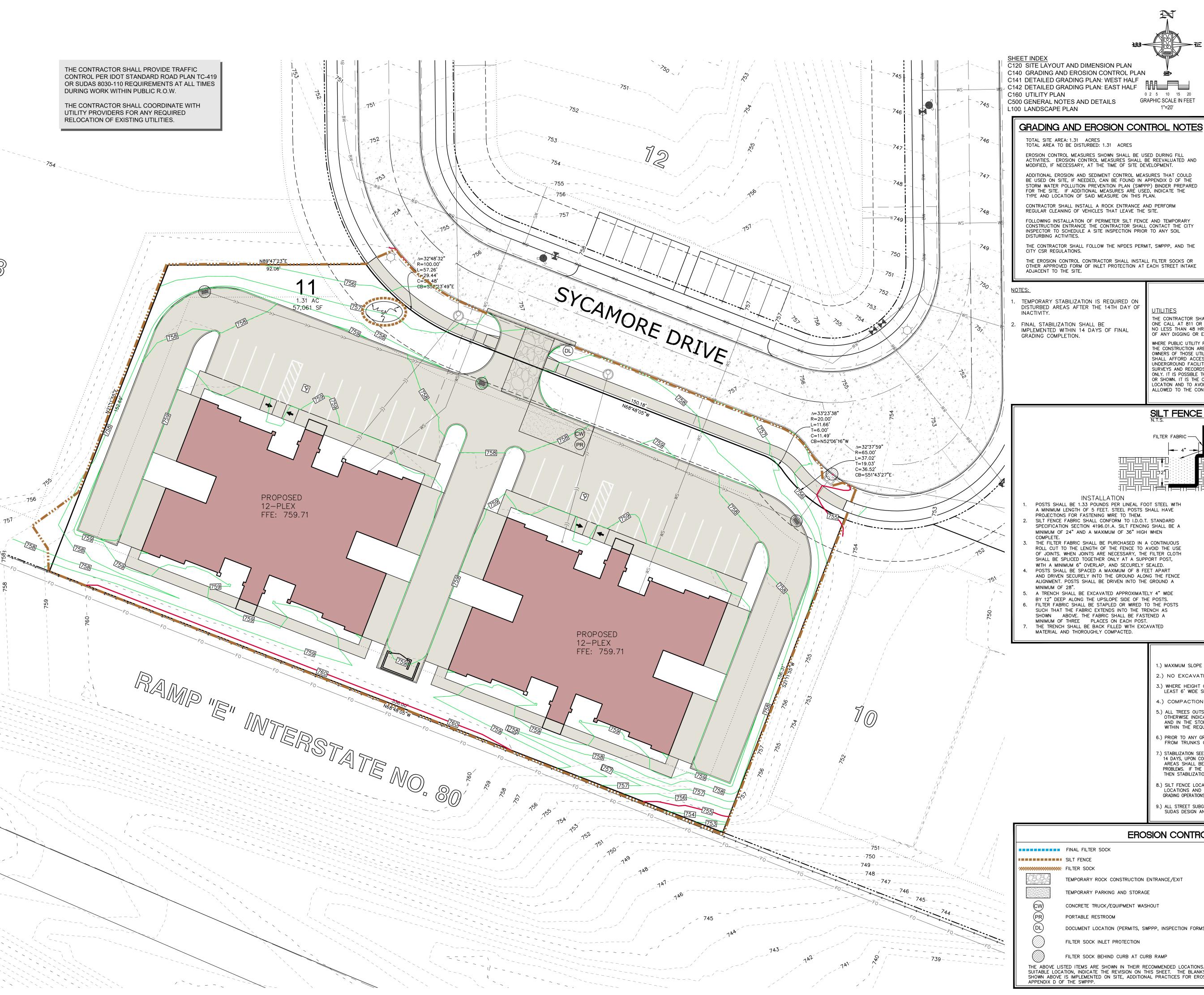
BENCHMARK INFORMATION NAVD88 614540.67, EASTING 2228751.20. MMS POINT 14466 BOLT ARROW HEAD FOUND AT NORTHIN NAVD88 614627.10, EASTING 2229386.31. MMS POINT 15486. HORIZONTAL CONTROL POINT NORTHING IDOT ALUM PIN ON EAST SIDE OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT PARKSIDE DRIVE APPROX. 82 LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE FEET EAST OF 401 PARKSIDE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK DRIVE ENTRANCE.. MMS POINT

R=20.00' T=6.00' C=11.49' CB=N52°06'16"W ∆=32*37**'**59" T=19.03' C=36.52 CB=S51°43'27"E 15 14 R14,00' 15 15 15

∆=32°48'32" R=100.00'

CB=S52*23'49"E 12

L=57.26'





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10/07/21 PER CITY REVIEW TAV/RLA

(319) 351-8282

THE ACTUAL SIZE AND LOCATION OF ALL PROPOSED FACILITIES SHALL BE VERIFIED WITH CONSTRUCTION DOCUMENTS, WHICH ARE TO BE PREPARED AND SUBMITTED SUBSEQUENT TO THE APPROVAL OF THIS DOCUMENT.

THE CONTRACTOR SHALL NOTIFY IOWA ONE CALL AT 811 OR 800/292-8989 NO LESS THAN 48 HRS. IN ADVANCE OF ANY DIGGING OR EXCAVATION.

WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN

STANDARD LEGEND AND NOTES

— — — — — — PROPOSED EASEMENT LINES

-PROP-

—— — — CONGRESSIONAL SECTION LINES

---- - CENTER LINES

BENCHMARK

GUY POLE

LIGHT POLE

WATER VALVE

- EXISTING CENTER LINES - LOT LINES, INTERNAL

- EXISTING EASEMENT LINES

- RECORDED DIMENSIONS

- POWER POLE - POWER POLE W/DROP

- POWER POLE W/TRANS

- POWER POLE W/LIGHT

- SANITARY MANHOLE FIRE HYDRANT

- DRAINAGE MANHOLE - CURB INLET

- WATER LINES - ELECTRICAL LINES

GAS LINES

- EXISTING TREE LINE

- TELEPHONE LINES

- PROPOSED GROUND

- EXISTING DECIDUOUS TREE & SHRUB

- FENCE LINE - EXISTING SANITARY SEWER

- EXISTING STORM SEWER

- PROPOSED STORM SEWER

- PROPOSED SANITARY SEWER

- - CONTOUR LINES (1' INTERVAL)

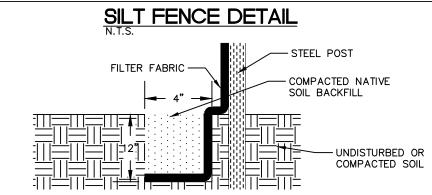
- EXISTING EVERGREEN TREES & SHRUBS

- CURVE SEGMENT NUMBER

- PROPERTY &/or BOUNDARY LINES

LOT LINES, PLATTED OR BY DEED

THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.



INSTALLATION POSTS SHALL BE 1.33 POUNDS PER LINEAL FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM. SILT FENCE FABRIC SHALL CONFORM TO I.D.O.T. STANDARD

101

0 2 5 10 15 20 GRAPHIC SCALE IN FEET

1"=20'

- MINIMUM OF 24" AND A MAXIMUM OF 36" HIGH WHEN THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE FENCE TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, THE FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST,
- WITH A MINIMUM 6" OVERLAP, AND SECURELY SEALED. POSTS SHALL BE SPACED A MAXIMUM OF 8 FEET APART AND DRIVEN SECURELY INTO THE GROUND ALONG THE FENCE ALIGNMENT. POSTS SHALL BE DRIVEN INTO THE GROUND A
- A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4" WIDE BY 12" DEEP ALONG THE UPSLOPE SIDE OF THE POSTS.
- FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE POSTS SUCH THAT THE FABRIC EXTENDS INTO THE TRENCH AS SHOWN ABOVE. THE FABRIC SHALL BE FASTENED A MINIMUM OF THREE PLACES ON EACH POST. THE TRENCH SHALL BE BACK FILLED WITH EXCAVATED
- SILT FENCES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT OF 0.5 INCHES OR MORE. DURING PERIODS OF PROLONGED RAIN INSPECTIONS SHALL BE AT LEAST DAILY. ANY REPAIRS NEEDED TO MAINTAIN THE SILT FENCE'S EFFECTIVENESS SHALL BE MADE IMMEDIATELY.

MAINTENANCE

- 2. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO STABILIZING THE UPSLOPE AREAS THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER FACH
- REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE FENCE. SILTS REMOVED SHALL BE PLACED IN A PROTECTED PLACE THAT WILL PREVENT THEIR ESCAPE FROM THE CONSTRUCTION SITE. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER NEEDED SHALL BE DRESSED TO

STORM EVENT. THEY MUST BE REMOVED WHEN THE DEPOSITS

- CONFORM WITH THE EXISTING GRADE, PREPARED AND
- SILT FENCE SHALL REMAIN IN PLACE UNTIL IT IS NO LONGER NEEDED AS DIRECTED BY THE POLLUTION PREVENTION PLAN. GENERALLY SILT FENCES SHALL REMAIN UNTIL THE UPSLOPE AREAS ARE STABILIZED WITH AN ESTABLISHED GRASS COVER AS A MINIMUM.

GRADING NOTES

- 1.) MAXIMUM SLOPE ON CUTS AND FILLS SHALL BE 3.5: HORIZONTAL TO 1: VERTICAL 2.) NO EXCAVATION SHALL BE ALLOWED WITHIN 2' OF PROPERTY LINES. 3.) WHERE HEIGHT OF FILL IS GREATER THAN 30' AN INTERMEDIATE TERRACE OF AT LEAST 6' WIDE SHALL BE ESTABLISHED AT MID HEIGHT. SEE TYPICAL FILL SECTION.
- 5.) ALL TREES OUTSIDE THE LIMITS OF GRADING OPERATIONS SHALL BE SAVED, UNLESS OTHERWISE INDICATED TO BE REMOVED. TREES NEAR THE EDGES OF GRADING LIMITS AND IN THE STORM WATER DETENTION BASIN AREAS SHALL BE SAVED IF POSSIBLE, WITHIN THE REQUIREMENTS OF THE SPECIFICATIONS.

4.) COMPACTION TO BE 90% MODIFIED PROCTOR WHERE > 6:1 SLOPE.

- 6.) PRIOR TO ANY GRADING A CONSTRUCTION SAFETY FENCE SHALL BE INSTALLED 50 FEET FROM TRUNKS OF TREES TO BE PROTECTED.
- 7.) STABILIZATION SEEDING SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT MORE THAN 14 DAYS, UPON COMPLETION OF GRADING IN ANY AREA OF GRADING OPERATIONS. DISTURBED AREAS SHALL BE KEPT AS SMALL AS POSSIBLE TO PREVENT LARGE SCALE EROSION PROBLEMS. IF THE GRADING CONTRACTOR STOPS GRADING OPERATIONS FOR MORE THAN 14 DAYS, THEN STABILIZATION SEEDING SHALL BE DONE ON ALL DISTURBED AREAS.
- 8.) SILT FENCE LOCATIONS AND LENGTHS, AS INDICATED, ARE APPROXIMATE ONLY. FINAL LOCATIONS AND LENGTHS WILL BE DETERMINED, AS NEEDED, UPON COMPLETION OF GRADING OPERATIONS IN AN AREA.
- 9.) ALL STREET SUBGRADES SHALL BE CONSTRUCTED AND COMPACTED IN ACCORDANCE WITH SUDAS DESIGN AND CONSTRUCTION STANDARDS AND PROCEDURES.

LOT 11 PARKSIDE HILLS WEST BRANCH, CEDAR COUNTY,

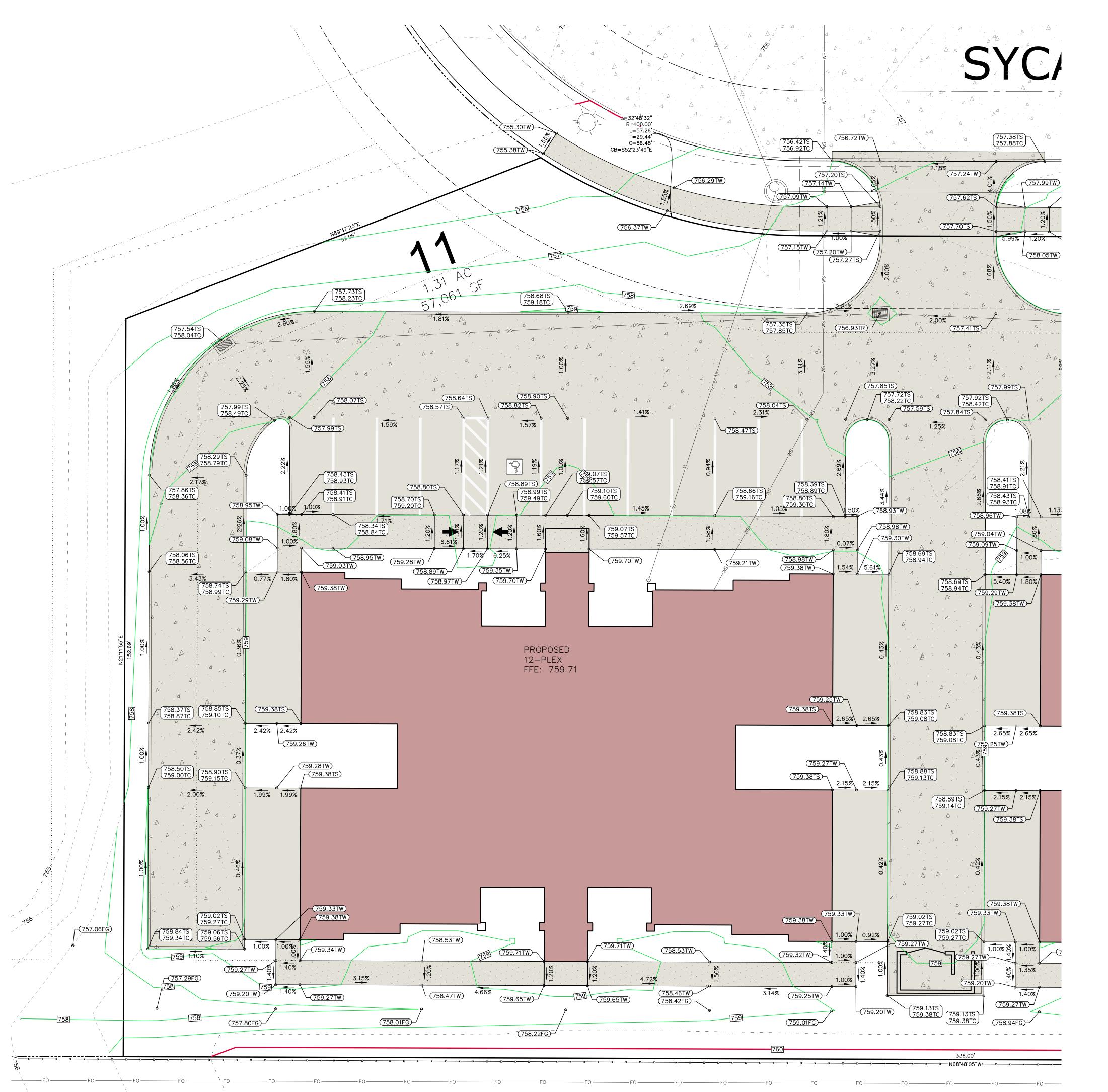
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GRADING AND EROSION

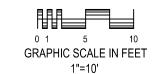
	FINAL FILTER SOCK		PERIMETER SILT FENCE		
	SILT FENCE		EROSION CONTROL MATTING		
00000000000000000000000000000000000	FILTER SOCK				
	TEMPORARY ROCK CONSTRUCTION ENTRANCE/EXIT	(Z _{SA}	TEMPORARY SOIL STOCKPILE AREA		
	TEMPORARY PARKING AND STORAGE	$\stackrel{/}{\Rightarrow}$	DIRECTION OF OVERLAND FLOW		
(CW)	CONCRETE TRUCK/EQUIPMENT WASHOUT	D	DUMPSTER FOR CONSTRUCTION WASTE		
PR	PORTABLE RESTROOM		RIP RAP OUTLET PROTECTION		
(DL)	DOCUMENT LOCATION (PERMITS, SWPPP, INSPECTION FORMS, ETC.	01)	OTHER MEASURE:		
	FILTER SOCK INLET PROTECTION	(02)	OTHER MEASURE:		
	FILTER SOCK BEHIND CURB AT CURB RAMP	03)	OTHER MEASURE:		
THE ABOVE LISTED ITEMS ARE SHOWN IN THEIR RECOMMENDED LOCATIONS. IF A CONTROL MEASURE IS ADDED OR MOVED TO A MORE SUITABLE LOCATION, INDICATE THE REVISION ON THIS SHEET. THE BLANKS LEFT FOR OTHER MEASURES SHOULD BE USED IF AN ITEM NOT SHOWN ABOVE IS IMPLEMENTED ON SITE, ADDITIONAL PRACTICES FOR EROSION PREVENTION AND SEDIMENT CONTROL CAN BE FOUND IN					

EROSION CONTROL LEGEND

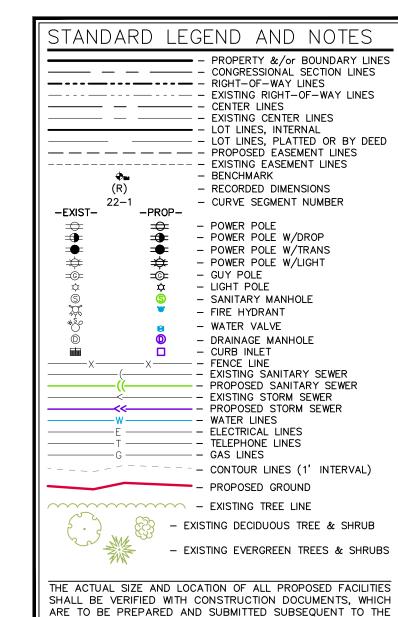
MMS CONSULTANTS, INC. 09-17-21 Field Book No: 1273 pg. 47







<u>UTILITIES</u>



OF ANY DIGGING OR EXCAVATION. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE

ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.

APPROVAL OF THIS DOCUMENT.

GRADING LEGEND 0000.00EG - EXISTING GRADE 0000.00FG - FINISHED GRADE 0000.00TC) - TOP CURB 0000.00TS - TOP SLAB 0000.00TW - TOP WALK (0000.00TR) - TOP RIM 0000.00WB) - BOTTOM WALL* 0000.00WT) - TOP WALL* *REPRESENT GROUND ELEVATION AT WALL

THE CONTRACTOR SHALL NOTIFY IOWA

ONE CALL AT 811 OR 800/292-8989 NO LESS THAN 48 HRS. IN ADVANCE

- SHEET INDEX C120 SITE LAYOUT AND DIMENSION PLAN C140 GRADING AND EROSION CONTROL PLAN
- C141 DETAILED GRADING PLAN: WEST HALF C142 DETAILED GRADING PLAN: EAST HALF
- C160 UTILITY PLAN
 C500 GENERAL NOTES AND DETAILS
 L100 LANDSCAPE PLAN

CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS LANDSCAPE ARCHITECTS **ENVIRONMENTAL SPECIALISTS** 1917 S. GILBERT ST. IOWA CITY, IOWA 52240 (319) 351-8282

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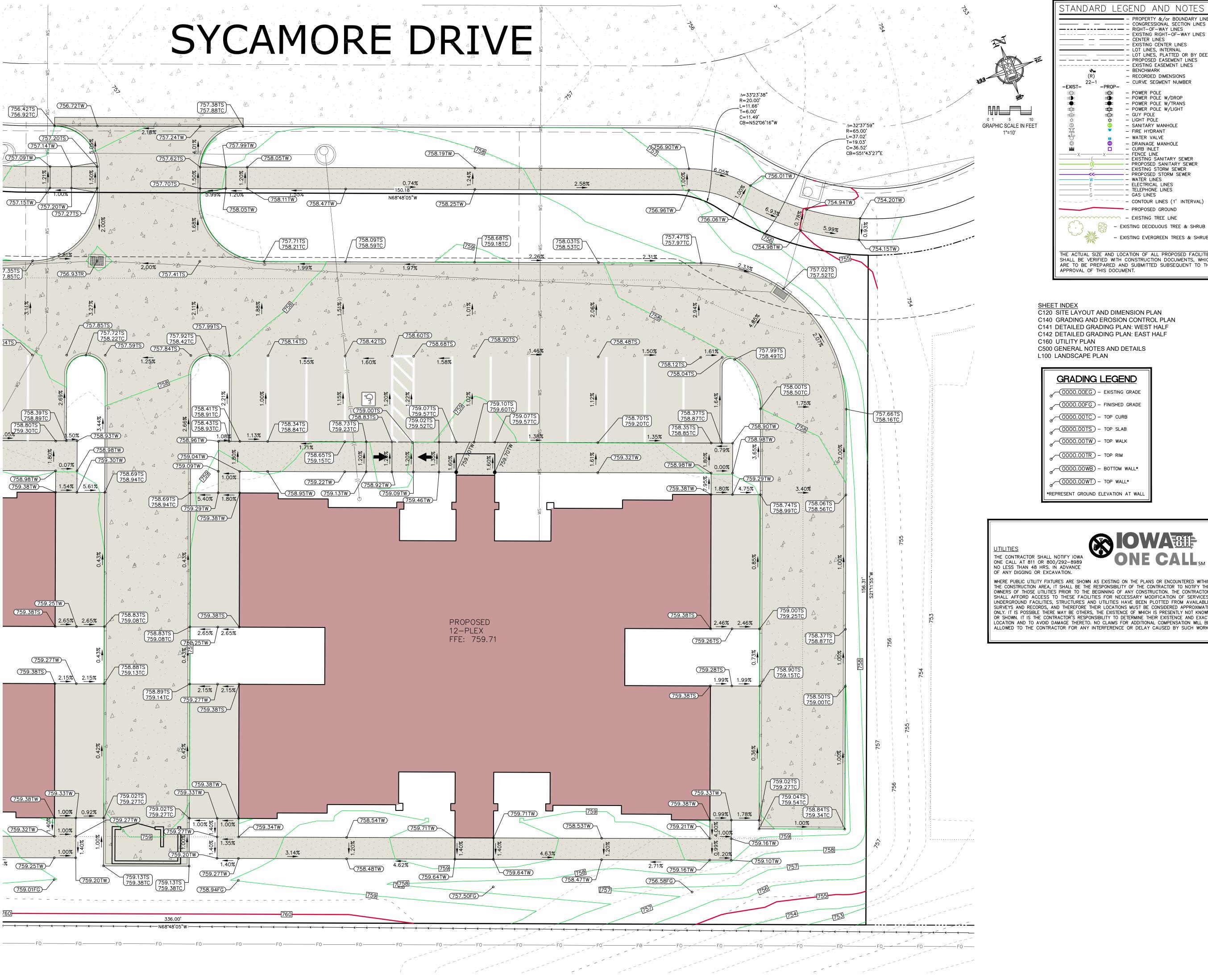
10/07/21 PER CITY REVIEW TAV/RLA

DETAILED GRADING PLAN: WEST HALF

LOT 11 PARKSIDE HILLS WEST BRANCH, CEDAR COUNTY, IOWA

MMS CONSULTANTS, INC. 09-17-21 Field Book No: RLA 1273 pg. 47 Designed by:

6992-360





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C120 SITE LAYOUT AND DIMENSION PLAN C140 GRADING AND EROSION CONTROL PLAN 10/07/21 PER CITY REVIEW TAV/RLA C141 DETAILED GRADING PLAN: WEST HALF C142 DETAILED GRADING PLAN: EAST HALF

C160 UTILITY PLAN C500 GENERAL NOTES AND DETAILS L100 LANDSCAPE PLAN

---- - RIGHT-OF-WAY LINES

---- - EXISTING RIGHT-OF-WAY LINES — – LOT LINES, INTERNAL

> - RECORDED DIMENSIONS - CURVE SEGMENT NUMBER

- POWER POLE W/DROP - POWER POLE W/TRANS - POWER POLE W/LIGHT

- SANITARY MANHOLE FIRE HYDRANT WATER VALVE - DRAINAGE MANHOLE - CURB INLET

- FENCE LINE - EXISTING SANITARY SEWER - PROPOSED SANITARY SEWER

- - CONTOUR LINES (1' INTERVAL)

- EXISTING DECIDUOUS TREE & SHRUB

- EXISTING EVERGREEN TREES & SHRUBS

- EXISTING STORM SEWER - PROPOSED STORM SEWER

- WATER LINES - ELECTRICAL LINES - TELEPHONE LINES

- EXISTING TREE LINE

GAS LINES

THE ACTUAL SIZE AND LOCATION OF ALL PROPOSED FACILITIES SHALL BE VERIFIED WITH CONSTRUCTION DOCUMENTS, WHICH ARE TO BE PREPARED AND SUBMITTED SUBSEQUENT TO THE

- POWER POLE

GUY POLELIGHT POLE

— – LOT LINES, PLATTED OR BY DEED
— – PROPOSED EASEMENT LINES - EXISTING EASEMENT LINES

GRADING LEGEND -0000.00EG - EXISTING GRADE -0000.00FG - FINISHED GRADE 0000.00TC) - TOP CURB 0000.00TW - TOP WALK

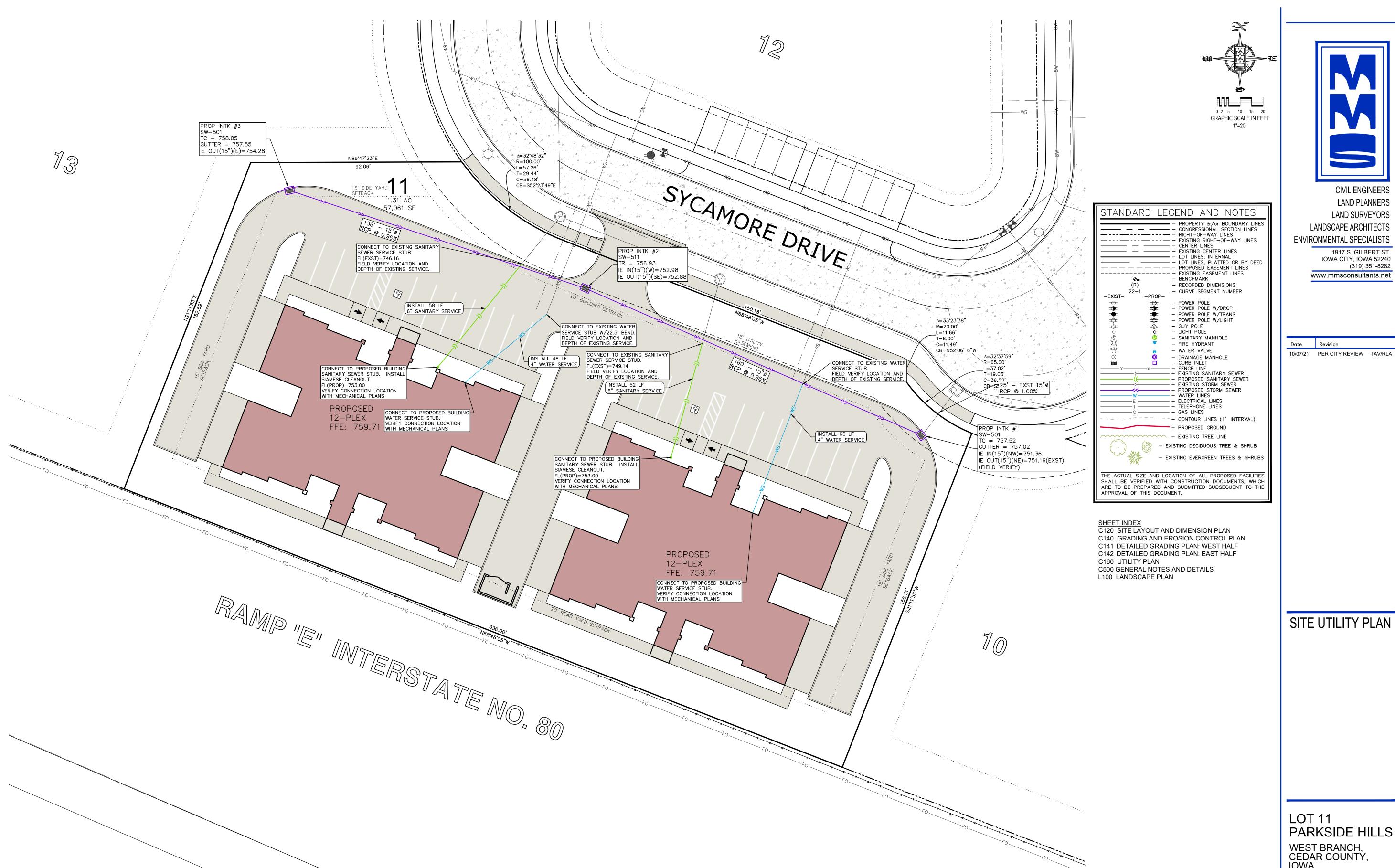
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DETAILED GRADING

LOT 11 PARKSIDE HILLS WEST BRANCH, CEDAR COUNTY, IOWA

MMS CONSULTANTS, INC				
Date:	09-17-21			
Designed by: RLA	Field Book No: 1273 pg. 47			
Drawn by: BJC/TAV	Scale: 1"=10'			
Checked by: RLA	Sheet No:			
Project No:	C1/12			



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Date

SITE UTILITY PLAN

LOT 11 PARKSIDE HILLS WEST BRANCH, CEDAR COUNTY, IOWA

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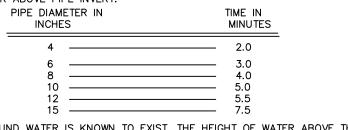
6992-360

SANITARY SEWER AND WATERMAIN NOTES

- 1) SANITARY SEWER & WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) SPECIFICATIONS (2018) AS AMENDED.
- 2) SANITARY SEWERS SHALL BE PVC TRUSS PIPE (SUDAS 4010.2.01,E), CONTECH A-2000, OR CITY ENGINEER APPROVED EQUAL, AS NOTED ON THE PLANS. SANITARY SEWER SERVICE LINES SHALL BE PVC SDR-23.5 WITH GASKETED JOINTS.
- 3) WATER MAINS SHALL BE DIP CLASS 52 WITH NITRILE GASKETS.
- 4) CONTRACTOR TO PROVIDE FERNCO STRONG BACK RC 1000 SERIES COUPLINGS FOR DISSIMILAR PIPE
- 5) GRANULAR TRENCH BACKFILL SHALL BE CRUSHED STONE CONFORMING TO I.D.O.T. STANDARD SPECIFICATION 4120.04 WITH 1" MAXIMUM AGGREGATE SIZE. COMPACT TO 90% MODIFIED
- 6) ALL SANITARY SEWERS SHADED ON THE PROFILE VIEW AND ALL SANITARY SEWERS AND WATER MAINS UNDER PAVING OR WITHIN 5 FEET OF PAVEMENT SHALL BE BACKFILLED WITH EITHER OF THE FOLLOWING COMPACTED TO 90% MODIFIED PROCTOR DENSITY:
- A. SUITABLE EXCAVATED MATERIAL. IF EXCAVATED MATERIAL IS NOT SUITABLE, THEN B. CRUSHED STONE AS SPECIFIED FOR GRANULAR TRENCH BACKFILL.
- 7) ALL SANITARY SEWER SERVICE LINES CROSSING STREET RIGHT-OF-WAY SHALL BE BACKFILLED IN ACCORDANCE WITH THE PRECEDING NOTE. 8) CONTRACTOR SHALL PROVIDE SUDAS CLASS F-3 BEDDING FOR ALL PVC TRUSS SANITARY SEWERS
- UNLESS OTHERWISE NOTED. 9) ENTRY INTO EXISTING CITY MANHOLE TO BE BY CORE DRILL AND SEAL BY "LINK-SEAL" PENETRATION
- SEAL OR CITY ENGINEER APPROVED EQUAL. 10) ALL MANHOLES TO BE TURNED OVER TO CITY SHALL:
 - 1) WILL NOT SHOW STEPS,) WILL HAVE EXTERNAL CHIMNEY SEAL BY INFISHEILD UNIBAND, CRETEX, OR APPROVED EQUAL. (i) WILL HAVE MANHOLE FRAME AND LID TO BE NEENAH R-1642 SELF-SEALING WITH CITY LOGO. 4) WILL HAVE RISERS RINGS OF CRETEX PRO-RING, AMERICAN HIGHWAY PRODUCTS RUBBER ADJUSTMENT RING OR STANDARD PCC. IF PCC RINGS ARE USED, SHIMS TO LEVEL MANHOLE FRAME MADE OF MATERIALS OTHER THAN PCC OR THE RING MATERIAL DISCUSSED ABOVE
 - WILL NOT BE ALLOWED, IE: WOOD, BRICK, ROCKS, ETC. 5) WILL USE LINK-SEALS PENETRATION SEALS FOR PIPE PENETRATIONS.
- ALL SANITARY SEWER SERVICE LINES SHALL BE EXTENDED:

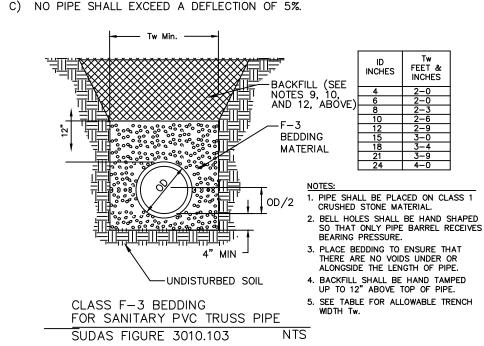
HAVE 3-PIECE FLOATING CASTING

- 9) TO THE UTILITY EASEMENT LINE FOR THOSE LOCATIONS WHERE THE LOTS BEING SERVED ARE ON THE OPPOSITE SIDE OF THE STREET FROM THE SEWER MAIN.
- 10) TO THE UTILITY EASEMENT LINE FOR THOSE LOCATIONS WHERE THE LOTS BEING SERVED
- 11) THE END OF ALL SANITARY SEWER SERVICES MUST BE MARKED WITH A WOOD 2 x 4 PAINTED GREEN. 12) ALL SANITARY SEWER MANHOLES IN PAVING AREAS OR AREAS SUBJECT TO WATER INUNDATION SHALL BE PROVIDED WITH CRETEX EXTERIOR CHIMNEY SEAL OR APPROVED EQUAL. ALL SANITARY MANHOLES IN PAVING SHALL
- 13) ALL SANITARY SEWER AND SERVICE LINES SHALL BE AIR TESTED TO PASS THE FOLLOWING TEST: NOTE: CITY REPRESENTATIVE MUST BE PRESENT DURING TESTING. A. PERFORM FROM MANHOLE-TO-MANHOLE AFTER BACKFILL.
- B. PLACE PNEUMATIC PLUGS: (1) SEALING LENGTH: EQUAL TO OR GREATER THAN PIPE DIAMETER, (2) CAPABLE OF RESISTING INTERNAL TEST PRESSURE WITHOUT EXTERNAL BRACING OR BLOCKING.
- C. INTRODUCE LOW-PRESSURE AIR INTO SEALED LINE AND ACHIEVE INTERNAL AIR PRESSURE OF 5 psi & MAINTAIN FOR A MINIMUM OF 5 MINUTES.
- D. LIMIT INTERNAL PRESSURE IN SEALED LINE BELOW 8 PSIG. E. ALLOW 2 MINUTES MINIMUM FOR AIR PRESSURE TO STABILIZE. DISCONNECT LOW-PRESSURE AIR
- F. MINIMUM TIME FOR PRESSURE TO DROP FROM 3.5 TO 2.5 PSIG GREATER THAN MAXIMUM PRESSURE EXERTED BY GROUNDWATER ABOVE PIPE INVERT:



G. IN AREAS WHERE GROUND WATER IS KNOWN TO EXIST, THE HEIGHT OF WATER ABOVE THE TOP OF THE PIPE BEING TESTED, IN FEET, SHALL BE DETERMINED AND THAT HEIGHT DIVIDED BY 2.3 TO ESTABLISH THE PRESSURE THAT WILL BE ADDED TO ALL READINGS ABOVE. ALTERNATIVELY, THE ENGINEER MAY ALLOW THE CONTRACTOR TO MEASURE INFILTRATION INTO THE SEWER BY USING A V-NOTCH WEIR OR OTHER SUITABLE DEVICE.

- H. LOCATE, REPAIR AND RETEST LEAKS.
- I. AIR TESTING SHALL BE CONSIDERED INCIDENTAL TO SANITARY SEWER CONSTRUCTION. ALL PVC TRUSS SEWERS SHALL HAVE A DEFLECTION TEST PERFORMED AS FOLLOWS: A) DEFLECTION TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. B) DEFLECTION TEST TO BE CONDUCTED USING A RIGID BALL OR MANDREL WITH A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. NO MECHANICAL PULLING DEVICES ALLOWED.



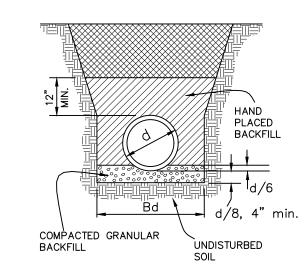
- THE FOLLOWING MINIMUM CLEARANCES MUST BE MAINTAINED
- 14) WATER MAIN SHALL BE LOCATED 10 FEET HORIZONTALLY DISTANT FROM ALL SANITARY SEWER
- 15) WATER MAIN SHALL NOT PASS THROUGH NOR CONTACT A SEWER OR A SEWER MANHOLE. A MINIMUM HORIZONTAL SEPARATION OF 3 FEET SHALL BE MAINTAINED.
- 16) VERTICAL SEPARATION OF WATER MAINS CROSSING OVER ANY SANITARY SEWER SHOULD BE A MINIMUM OF 18-INCHES, MEASURED OUTSIDE TO OUTSIDE FROM THE CLOSEST EDGE OF EACH PIPE. IF PHYSICAL CONDITIONS PROHIBIT THIS SEPARATION, THE WATER MAIN SHALL NOT BE PLACED CLOSER THAN 6-INCHES ABOVE A SEWER OR 18-INCHES BELOW A SEWER. THE SEPARATION DISTANCE SHALL BE THE MAXIMUM FEASIBLE IN ALL CASES.
- 17) WHERE THE WATER MAIN CROSSES SEWER, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS ARE AS FAR AS POSSIBLE FROM THE SEWER. THE WATER AND SEWER PIPES MUST BE ADEQUATELY SUPPORTED AND HAVE WATER TIGHT JOINTS. A LOW PERMEABILITY SOIL SHALL BE USED FOR BACKFILL MATERIAL WITHIN 10-FEET OF THE POINT
- OF CROSSING. 18) NOMINAL DEPTH OF WATER MAIN = 5.5 FEET TO TOP OF PIPE.
- 19) EXISTING OR PROPOSED VALVE BOXES THAT FALL WITHIN PAVEMENT MUST HAVE A SLIP-TYPE VALVE BOX.
- 20) THE ENTIRE WATERMAIN SYSTEM, INCLUDING SERVICES TAPS IF APPLICABLE, SHALL BE PRESSURE TESTED PER AWWA C600. THE TEST SHALL BE PERFORMED AT A MINIMUM OF 150 psi FOR 2 HOURS WITH A MAXIMUM LOSS OF 5 psi.
- 21) WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH SPECIFICATIONS.
- 22) FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURIAN 250 OR APPROVED CITY EQUAL THAT OPEN RIGHT.
- 23) BED WATER MAIN ON NATIVE MATERIAL, DIG IN BELLS, AND BACKFILL WITH SUITABLE MATERIAL.
- 24) ALL CONCRETE SANITARY MANHOLES SHALL HAVE CONSHIELD ANTI-MICROBIALADDITIVE INCORPORATED IN THE
- WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS, OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THOSE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THAT THERE MAY BE OTHER FACILITIES IN THE CONSTRUCTION AREA, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN HEREON. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION, AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK

STORM SEWER NOTES

- 1) STORM SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD DETAILED SPECIFICATIONS AND DETAILED SPECIFICATION REQUIREMENTS PREPARED FOR THIS PROJECT. CITY OF WEST BRANCH DESIGN AND CONSTRUCTION STANDARDS AND PROCEDURES SHALL
- 2) ALL STORM SEWERS SHALL BE CLASS 3 RCP UNLESS NOTED OTHERWISE IN THE PLANS.
- 3) AT PLACES WHERE A FLARED END SECTION IS REQUIRED. PIPE LENGTH INCLUDES THE FLARED END. THE LAST TWO JOINTS ARE TO BE TIED WHERE FLARED END SECTIONS ARE REQUIRED.
- 4) ALL RCP STORM SEWERS SHALL BE PROVIDED WITH CLASS "C" BEDDING, UNLESS NOTED OTHERWISE. PVC SEWERS SHALL BE PROVIDED WITH CRUSHED STONE ENCASEMENT.
- 5) STORM SEWERS SHADED ON THE PROFILE VIEW SHALL BE BACKFILLED WITH EITHER OF THE FOLLOWING COMPACTED TO 90% MODIFIED PROCTOR DENSITY: A. SUITABLE EXCAVATED MATERIAL. IF EXCAVATED MATERIAL IS NOT SUITABLE, THEN B. CRUSHED STONE AS SPECIFIED FOR GRANULAR TRENCH BACKFILL SHALL BE USED.
- 6) GRANULAR TRENCH BACKFILL SHALL BE CRUSHED STONE CONFORMING TO I.D.O.T. STANDARD SPECIFICATION 4120.04 WITH 1" MAXIMUM AGGREGATE SIZE. COMPACT TO 90% MODIFIED
- 7) ALL STORM SEWERS SHALL HAVE CONFINED "O" RING GASKETS. STORM SEWERS 36" AND SMALLER SHALL HAVE BELL AND SPIGOT JOINTS. STORM SEWERS LARGER THAN 36" MAY HAVE TONGUE AND GROOVE JOINTS. NO MASTIC JOINTS ALLOWED.
- 9) ALL STORM INTAKES SHALL BE A MINIMUM OF 48 INCHES FROM TOP OF CURB/RIM TO SUBGRADE. IF INVERT ELEVATIONS ARE INSUFFICIENT TO PROVIDE THIS REQUIRED DEPTH, THE CONTRACTOR TO PROVIDE DEEPER STRUCTURE AND POUR CONCRETE FILLET IN INTAKE TO MAKE INTAKE PIPES
- 10) LIFT HOLES IN STORM SEWER WILL NOT BE ALLOWED.

8) ALL PIPE SHALL BE CERTIFIED.

- 11) PROVIDE CONCRETE FILLETS IN ALL NEW & EXISTING DRAINAGE STRUCTURES PER
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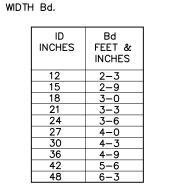


CLASS "C" BEDDING

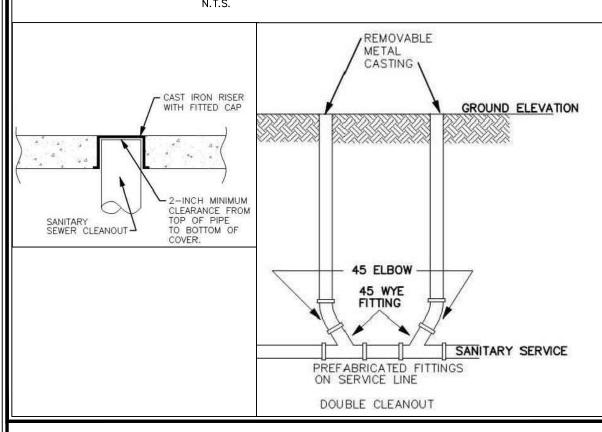
1. PIPE SHALL BE PLACED ON CRUSHED STONE MATERIAL. 2. BELL HOLES SHALL BE HAND SHAPED SO THAT ONLY PIPE BARREL RECEIVES BEARING PRESSURE.

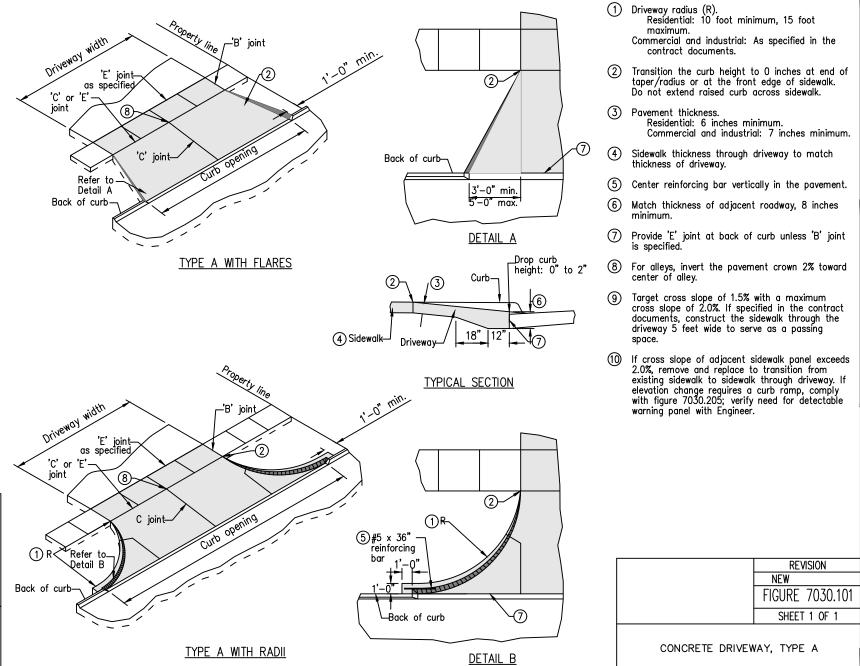
3. PLACE BEDDING TO ENSURE THAT

THERE ARE NO VOIDS UNDER OR ALONGSIDE THE LENGTH OF PIPE. 4. BACKFILL SHALL BE HAND TAMPED UP TO 12" ABOVE TOP OF PIPE. 5. SEE TABLE FOR ALLOWABLE TRENCH



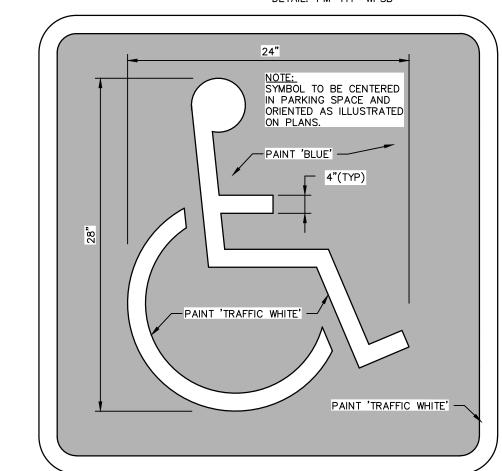
SIAMESE DETAIL



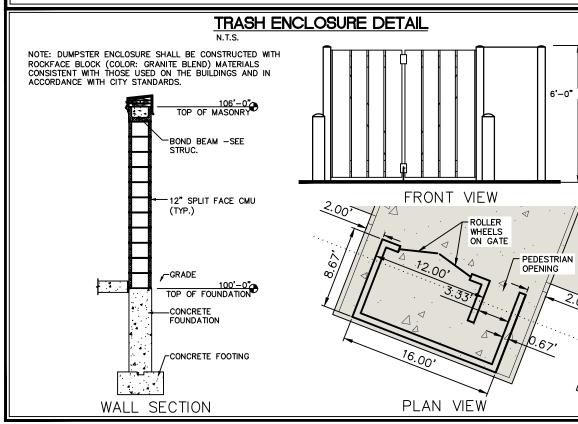




IOWA STANDARD ROAD PLAN DETAIL: PM-111 "WPSB"

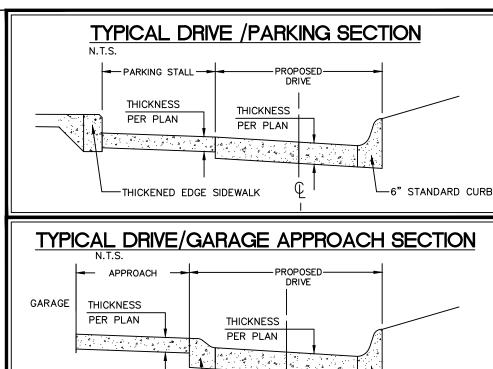


ACCESSIBLE PARKING DETAIL MAX. RUNNING SLOPE 1:12 MAX. CROSS SLOPE 1:50 1/2" EXPANSION MATERIAL (TYP)



SHEET INDEX C120 SITE LAYOUT AND DIMENSION PLAN C140 GRADING AND EROSION CONTROL PLAN C141 DETAILED GRADING PLAN: WEST HALF C142 DETAILED GRADING PLAN: EAST HALF

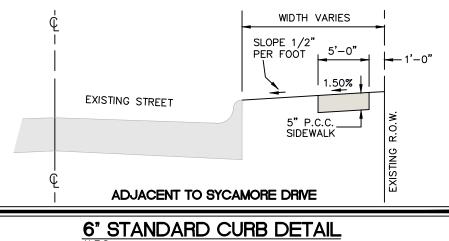
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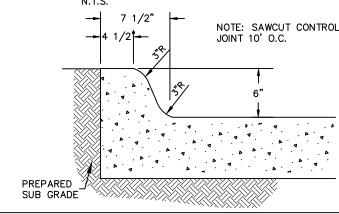


-3" ROLL $lue{-}$ 6" STANDARD CURE TYPICAL SIDEWALK DETAIL P.C.C. SIDEWALK. MAXIMUM 1.5% CROSS-

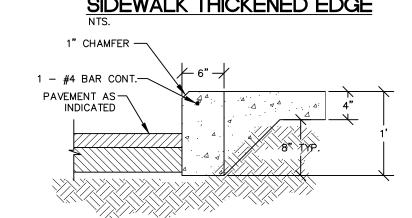
SLOPE IN SIDEWALK CROSS SECTION THICKNESS VARIES, SEE PLAN. 4" OF CLASS 'A' ROADSTONE, IDOT SPEC 4120.04-TOP 6" OF BASE SHALL BE COMPACTED \longrightarrow TO 95% STANDARD PROCTOR DENSITY SIDEWALKS SHALL CONFORM TO THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES" ACT (ADA)

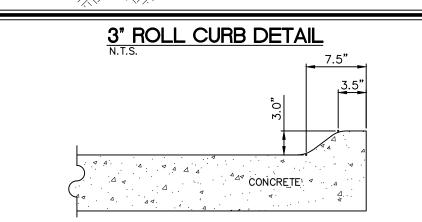




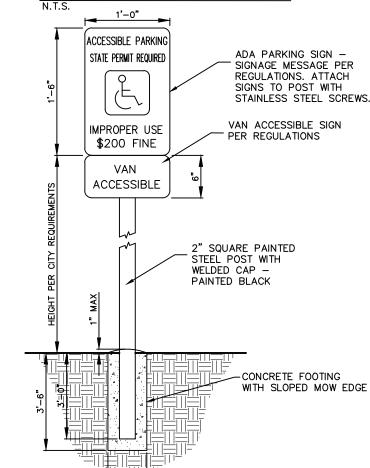


SIDEWALK THICKENED EDGE





ACCESSIBLE SIGN DETAIL



LOT 11 PARKSIDE HILLS WEST BRANCH. CEDAR COUNTY,

IOWA

Project No:

CIVIL ENGINEERS

LAND PLANNERS

LAND SURVEYORS

1917 S. GILBERT ST.

(319) 351-8282

IOWA CITY, IOWA 52240

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LANDSCAPE ARCHITECTS

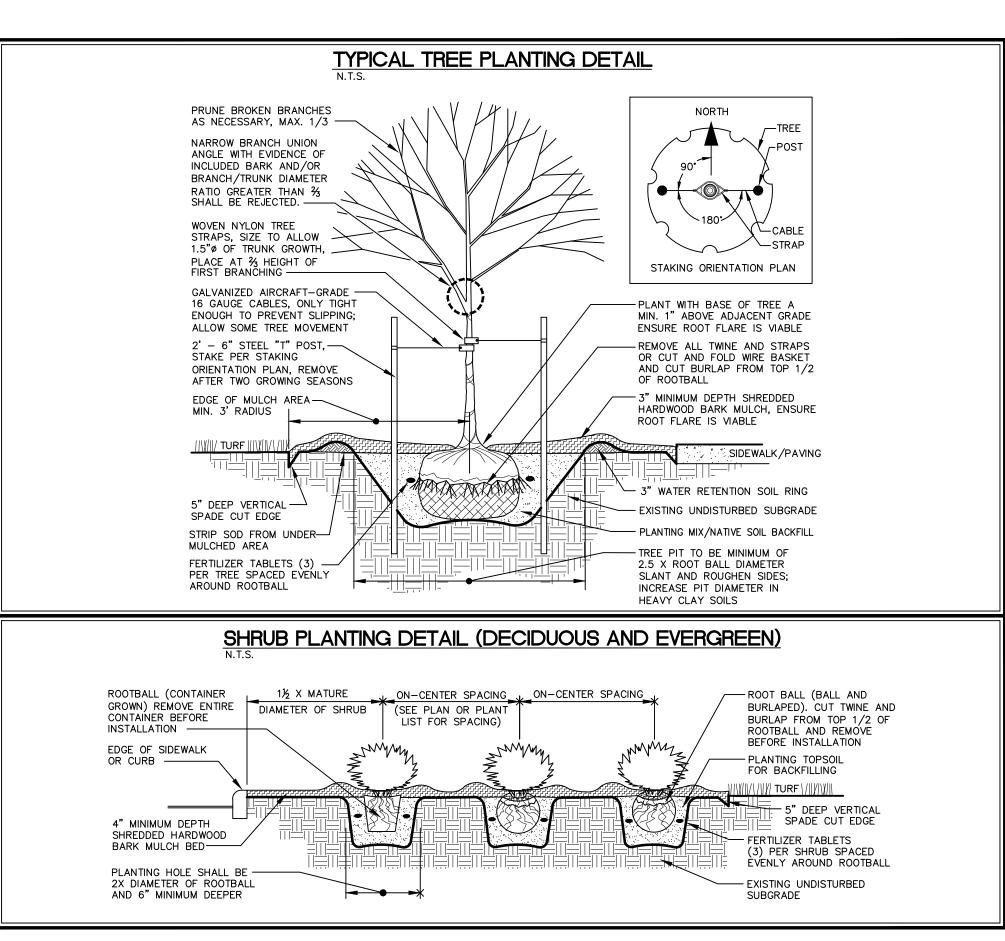
ENVIRONMENTAL SPECIALISTS

10/07/21 PER CITY REVIEW TAV/RLA

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09-17-21 Field Book No: Designed by: 1273 pg. 47 BJC/TAV Checked by:

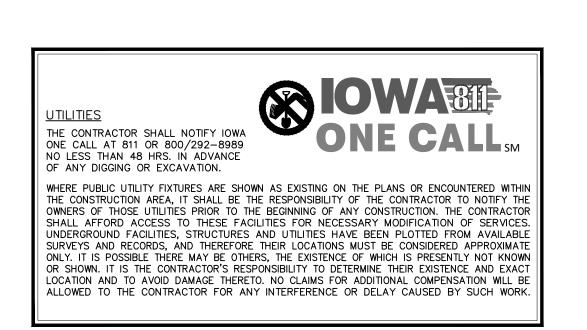
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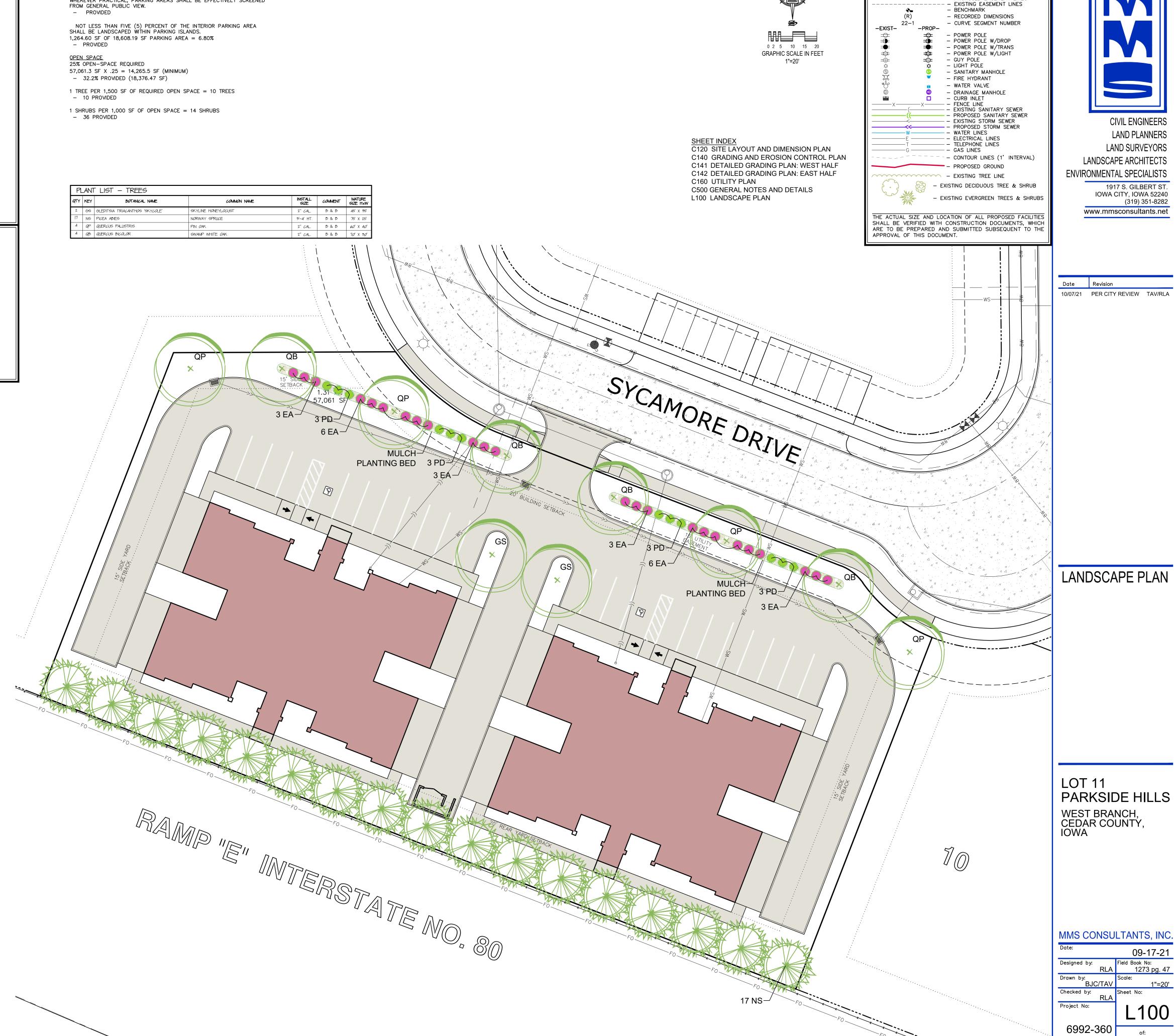


LANDSCAPE REQUIREMENTS

WHEREVER PRACTICAL, PARKING AREAS SHALL BE EFFECTIVELY SCREENED

LANDSCAPE SCREENING





STANDARD LEGEND AND NOTES

— — — — — — PROPOSED EASEMENT LINES

——— — CENTER LINES

1111

—— — — — — CONGRESSIONAL SECTION LINES

--- - EXISTING RIGHT-OF-WAY LINES

— – LOT LINES, PLATTED OR BY DEED

CIVIL ENGINEERS

LAND PLANNERS

LAND SURVEYORS

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09-17-21

1273 pg. 47

Field Book No:

IOWA CITY, IOWA 52240

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LANDSCAPE ARCHITECTS

— – EXISTING CENTER LINES - LOT LINES, INTERNAL

Roof: Timberline Natural Shadows - Charcoal

Soffit, fascia: Black

Front, back, and sides: Mastic Ovations Deep Granite horizontal

Gable peaks (center of front and back only): Mastic Ovations Deep Granite vertical



Front and Back elevation



Roof: Timberline Natural Shadows - Charcoal

Soffit, fascia: Black

Front, back, and sides: Mastic Ovations Deep Granite horizontal

Gable peaks (center of front and back only): Mastic Ovations Deep Granite vertical

6" Black LP Trim (front and back only): Gable peaks, gable bandboards on siding, windows on siding, patio/deck doors, main entry door.



Side elevation

