

Drawing name: K:\GIS\LDE\168423005_LFI_ArlingtonHeights_IL\2 Design\CAD\PlanSheets\C0.0 - COVER SHEET.dwg COVER SHEET Date: Feb 16, 2022 3:20pm by: Jason Gubough
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FINAL ENGINEERING PLANS BUILDING REMODEL

1000 W. NORTHWEST HWY.
ARLINGTON HTS, IL 60004



UTILITY AND GOVERNING AGENCY CONTACTS

ENGINEERING DEPARTMENT
VILLAGE OF ARLINGTON HEIGHTS
33 S. ARLINGTON HEIGHTS RD.
ARLINGTON HEIGHTS, IL 60005
TEL: (847) 368-5250
CONTACT: MIKE PAGONES

SANITARY SEWER SERVICE
VILLAGE OF ARLINGTON HEIGHTS
33 S. ARLINGTON HEIGHTS RD.
ARLINGTON HEIGHTS, IL 60005
TEL: (847) 368-5832
CONTACT: JIM ZAHARPOULOS, SEWER FOREMAN

STORM SEWER SERVICE
VILLAGE OF ARLINGTON HEIGHTS
33 S. ARLINGTON HEIGHTS RD.
ARLINGTON HEIGHTS, IL 60005
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WATER SERVICE
VILLAGE OF ARLINGTON HEIGHTS
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CONTACT: JIM ZAHARPOULOS, SEWER FOREMAN

ROADWAY AUTHORITY
VILLAGE OF ARLINGTON HEIGHTS
33 S. ARLINGTON HEIGHTS RD.
ARLINGTON HEIGHTS, IL 60005
TEL: (847) 368-5845
CONTACT: SCOTT BELLANGER

POWER COMPANY
COMMONWEALTH EDISON
ONE LINCOLN CENTER
OAKBROOK TERRACE, IL 60181
TEL: (708) 518-6209
CONTACT: PETER KRATZER

NATURAL GAS COMPANY
NICOR GAS
1011 WILEY RD.
SHAUMBURG, IL 60173
TEL: (847) 227-0805
CONTACT: PATRICK LOFTUS, JR.

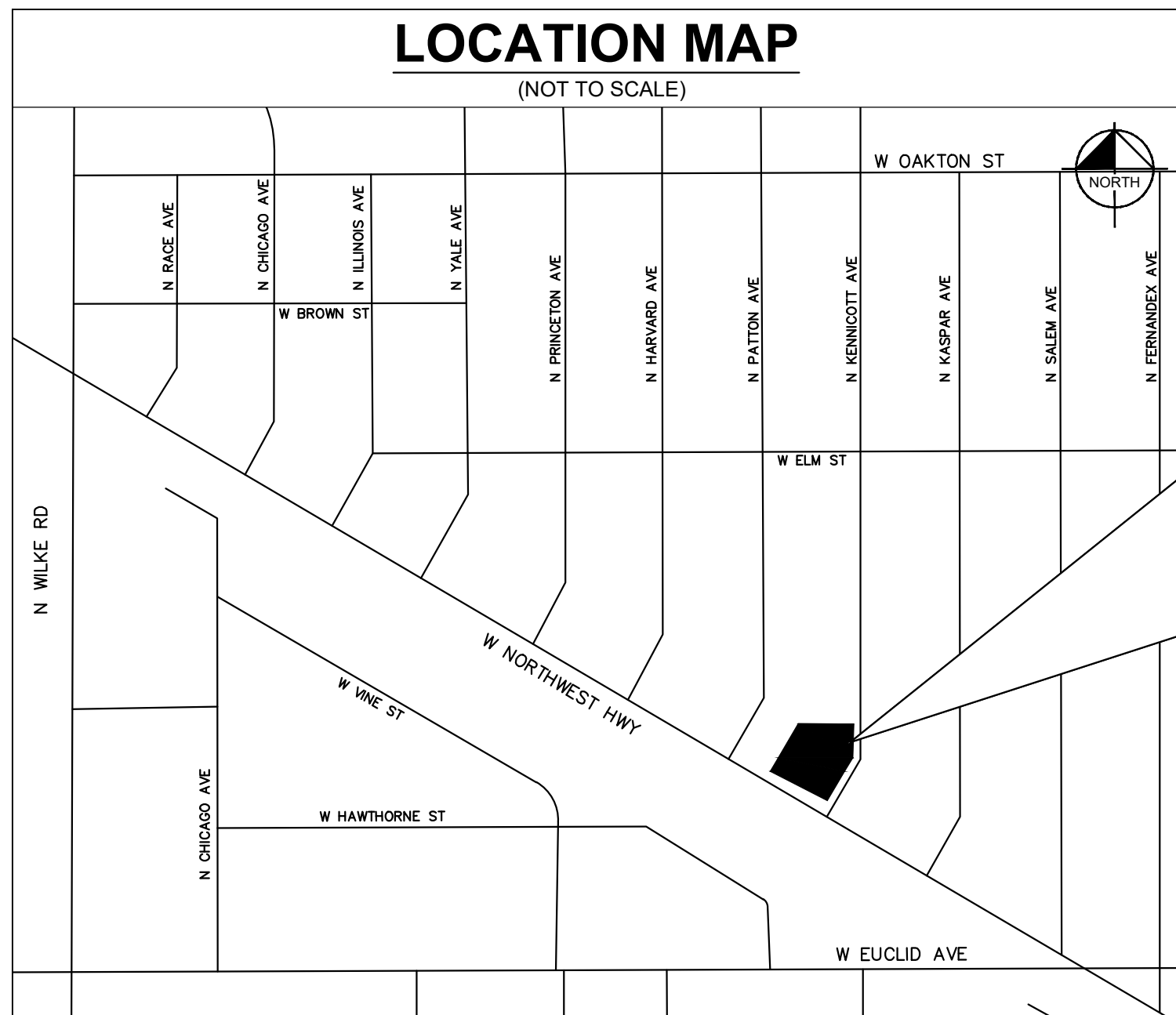
TELEPHONE
AT&T
TEL: (847) 888-8399
CONTACT: DAVID KEEHLER

TELEPHONE CONT.
XFINITY BY COMCAST
TEL: (847) 489-7320
CONTACT: GLENN BURNS

TELEPHONE CONT.
WIDE OPEN WEST
TEL: (800) 343-2076

TELEVISION SERVICE
DIRECTV
(888) 777-2454

TELEVISION SERVICE
DISH NETWORK
(888) 432-3909



PROJECT
LOCATION

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PROJECT TEAM

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MOKENA, IL 60448
EMAIL: DMENZA@LFIREALSTATE.COM
CONTACT: DIANE MENZA

GEOTECH
TESTING SERVICE CORPORTATION
457 E GUNDERSEN DR.
CAROL STREAM, IL 60188
TEL: (630) 784-4088
CONTACT: SAM PATRICK

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
4201 WINFIELD RD, SUITE 600
WARRENVILLE, IL 60555
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CONTACT: JOHN GROSS, P.E, LEED AP BD+C
TEL: (331) 300-3298
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LANDSCAPE ARCHITECT
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SURVEYOR
COMPASS SURVEYING LTD.
2631 GINGERWOODS PARKWAY, STE 100
AURORA, IL 60502
TEL: (630) 820-9100
CONTACT: SCOTT KREBS, PLS

LEGAL DESCRIPTION

PARCEL 1:
LOTS 9, 10, 11 AND 12 IN BLOCK 12 IN R.A. CEPEK'S ARLINGTON RIDGE, A SUBDIVISION OF PART OF THE WEST 1/2 (EXCEPT THE EAST 33 FEET THEREOF) OF THE NORTHEAST 1/4 AND OF THE SOUTH 1/2 OF THE NORTHWEST 1/4 IN SECTION 30, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING NORTH OF THE NORTHEASTERLY LINE OF NORTHWEST HIGHWAY, IN COOK COUNTY, ILLINOIS.

PARCEL 2:
LOT 10 IN BLOCK "F" IN THE RESUBDIVISION OF CERTAIN BLOCKS AND PARTS OF BLOCKS AND VACATED STREETS IN R.A. CEPEK'S ARLINGTON RIDGE, IN SECTION 30, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

BENCHMARKS

REFERENCE BENCHMARK:
NATIONAL GEODETIC SURVEY BENCHMARK
DESIGNATION: LD020
PID: DM3897

THE STATION IS LOCATED ABOUT 4.3 MILES WEST-SOUTHWEST OF WHEELING, 1.8 MILES NORTHWEST OF ARLINGTON HEIGHTS AND 1.6 MILES EAST OF PALATINE. TO REACH FROM THE INTERSECTION OF STATE HIGHWAY 53 AND W PLANTINE ROAD IN ARLINGTON HEIGHTS, IL, GO EAST ON WEST PLANTINE ROAD FOR 0.19 MILES TO NORTH WILKE ROAD. TURN RIGHT AND GO SOUTH THEN WEST THEN SOUTH ON NORTH WILKE ROAD FOR 0.18 MILES TO NORTH CHICAGO AVENUE. TURN LEFT AND GO SOUTH ON NORTH CHICAGO AVENUE FOR 72.2 FEET AND THE STATION ON THE RIGHT. THE STATION IS 164.0 FEET NORTH OF WATER PUMPING STATION, 1720 NORTH CHICAGO AVENUE, 72.2 FEET SOUTH OF THE EDGE OF PAVEMENT OF NORTH WILKE ROAD, 18.0 FEET WEST OF EDGE OF PAVEMENT OF NORTH CHICAGO AVENUE, 9.8 FEET EAST OF A CONCRETE DIVIDER WALL.

DATUM: NAVD88
ELEVATION = 734.95

PROFESSIONAL ENGINEER'S CERTIFICATION

I, ANDREW N. HEINEN, A LICENSED PROFESSIONAL ENGINEER OF IL, HEREBY CERTIFY THAT THIS SUBMISSION, PERTAINING ONLY TO THE "C" SERIES CIVIL SHEETS LISTED ABOVE BUT EXCLUDING DETAILS PREPARED BY OTHERS, WAS PREPARED ON BEHALF OF LFI BY KIMLEY-HORN AND ASSOCIATES, INC. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS 10TH DAY OF NOVEMBER, A.D., 2021.

A. N. Heinen
IL LICENSED PROFESSIONAL ENGINEER 062-056580
MY LICENSE EXPIRES ON NOVEMBER 30, 2021
DESIGN FIRM REGISTRATION NUMBER: 184002012-0006



Date of Expiration: 11-30-21

Kimley»Horn
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SCALE:
AS NOTED
DESIGNED BY: JNG
DRAWN BY: AES
CHECKED BY: ANH

COVER SHEET

BUILDING
REMODEL
1000 W NORTHWEST HWY
ARLINGTON HTS., IL 60004

ORIGINAL ISSUE:
02/16/2022

KHA PROJECT NO.
168423005

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C0.0

JRG
BY

DATE

REVISIONS










No.



1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
2. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
3. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. CONTRACTOR SHALL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT. CONTRACTOR SHALL NOT DEMOLISH ANYTHING OUTSIDE THE OWNERS LEASE/PROPERTY LINE UNLESS SPECIFICALLY MENTIONED ON THIS SHEET.
4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORD OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
5. IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE ADJACENT PROPERTY OWNER'S TRAFFIC, THE CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNER, TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING IDOT APPROVED TRAFFIC BARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.
6. QUANTITIES DEPICTED ON THIS SHEET SHALL SERVE AS A GUIDE ONLY. CONTRACTOR TO VERIFY ALL DEMOLITION QUANTITIES.
7. REFER TO GEOTECHNICAL REPORT PROVIDED BY OTHERS FOR ALL SUBSURFACE INFORMATION.
8. 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.
9. EROSION CONTROL MUST BE ESTABLISHED PRIOR TO ANY WORK ON SITE INCLUDING DEMOLITION.
10. THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN.
11. CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.
12. EXISTING UTILITIES, WHICH DO NOT SERVICE STRUCTURES BEING DEMOLISHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS. UTILITIES SERVING STRUCTURES TO BE OFF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS. EXISTING UTILITIES TO BE ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED EQUAL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO BE BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY WITHIN PAVED AREAS AND TO 90% OF MODIFIED PROCTOR DENSITY FOR GREEN SPACE AREAS, IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS. EXISTING PRIVATE UTILITIES (ELECTRIC, CABLE, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PRIOR THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
13. UNDERGROUND UTILITIES SHOWN ARE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL "JULIE" (1-800-892-0123) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING ANY DEMOLITION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR SHALL LOCATOR SHALL LOCATOR PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND AS DIRECTED BY THE ENGINEERING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED EQUAL TO THE COST OF THE ORIGINAL STRUCTURE. NOTIFICATION TO THE OWNER OF THE EXISTING UTILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.
14. USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL, COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. SEE EROSION CONTROL SHEETS FOR FURTHER EROSION CONTROL REQUIREMENTS.
15. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE IDOT APPROVED CRUSHED LIMESTONE (CA-6) OR APPROVED EQUAL. USE SATISFACTORY SOIL MATERIALS CONSISTING OF SAND, SILT, OR SAND, SILT AND CLAY. REMOVE TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. PRIOR TO PLACEMENT OF FILL MATERIALS, ENSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH AND DEBRIS. PLACE MATERIALS IN HORIZONTAL LAYERS TO AVOID SETTLEMENT. NOT COMPACT DEEPER COMPACT EACH LAYER AT OPTIMUM MOISTURE CONTENT OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY UNLESS SUBSEQUENT EXCAVATION FOR NEW WORK IS REQUIRED.

[illegible]

DEMOLITION LEGEND

	ITEM TO REMAIN, PROTECT DURING CONSTRUCTION
	CURB REMOVAL
	UTILITY REMOVAL
	ITEM TO BE REMOVED
	FULL-DEPTH ASPHALT PAVEMENT REMOVAL
	CONCRETE REMOVAL
	MILL & RESURFACE 1.5" ASPHALT PAVEMENT
	SAWCUT LINE
	FENCE REMOVAL

<div> <div> BUILDING REMODEL </div> <div> 1000 W NORTHWEST HWY ARLINGTON HTS., IL 60004 </div> </div>	<div>ORIGINAL ISSUE:</div> <div>02/16/2022</div>
	<div>KHA PROJECT NO.</div> <div>168423005</div>
	<div>SHEET NUMBER</div> <div>C2.0</div>
	<div> <div> <div> </div> </div> </div>



1. ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
4. RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3- FEET, TYPICAL.
5. REFER TO ARCHITECTURAL PLANS FOR MONUMENT SIGN DETAILS. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.
6. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.

- 1 B6 BARRIER CONCRETE CURB, TYP. (SEE DETAILS)
- 2 ENTER/EXIT ONLY DIRECTIONAL SIGNAGE
- 3 CONCRETE SIDEWALK, TYP. (SEE DETAILS)
- 4 ACCESSIBLE PAVEMENT MARKINGS, TYP. (SEE DETAILS)
- 5 ACCESSIBLE PARKING SIGN, TYP. (MUTCD R7-8, SEE DETAILS)
- 6 4" WIDE PAINTED SOLID LINE, TYP.
- 7 CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB, TYP.
- 8 B6.12 CONCRETE CURB AND GUTTER, TYP. (SEE DETAILS)
- 9 TRANSITION CURB
- 10 ACCESSIBLE RAMP (SEE DETAILS)
- 11 CONCRETE WHEEL STOP, TYP. (SEE DETAILS)
- 12 PROPOSED STOP SIGN AND 24" WIDE STOP BAR
- 13 PROPOSED BICYCLE RACK
- 14 PROPOSED TRASH ENCLOSE

	MILL AND RESURFACE 1.5" ASPHALT PAVEMENT SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	FULL DEPTH ASPHALT PAVEMENT RESURFACING SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	CONCRETE SIDEWALK SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	FULL-DEPTH PAVEMENT RESTORATION SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION
	PROPOSED PLAY AREA WITH PLAYGROUND EQUIPMENT SEE ARCHITECTURAL & BEAR PLAYGROUND PLANS FOR DETAILS
	STANDARD PITCH CONCRETE CURB AND GUTTER
	CONCRETE DEPRESSED CURB AND GUTTER
	ADA COMPLIANT ACCESSIBLE ROUTE

PARKING SPACES REQUIRED (PER VILLAGE REVIEW/COMMENTS)	=	49 SPACES*
*INCLUDES 2 ADA ACCESSIBLE STALLS		
PARKING SPACES PROVIDED	=	47 SPACES
ACCESSIBLE PARKING SPACES PROVIDED	=	2 SPACES
TOTAL PARKING SPACES PROVIDED	=	49 SPACES

PER FLOOD INSURANCE RATE MAP PANEL NO. 17031C0203J, THE SITE IS LOCATED IN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD.

SCALE:	AS NOTED
DESIGNED BY:	JWG
DRAWN BY:	AES
CHECKED BY:	ANH

BUILDING REMODEL

ORIGINAL ISSUE: 02/16/2022
KHA PROJECT NO. 168423005
SHEET NUMBER

C3.0



SEDIMENTATION/SILT FENCE

N.T.S.



N.T.S.



ALL PRODUCTS MANUFACTURED BY INLET AND PIPE PROTECTION, INC. OR
APPROVED EQUAL.

NOTE: INLET FILTERS ARE SLIGHTLY SMALLER THAN THE INLET GRATE SIZES. WHEN IDENTIFYING OR SPECIFYING FILTERS/CASTINGS PLEASE REFER TO THE DIAMETER "D" OR WIDTH "W" AND HEIGHT "H" OF FILTER FRAMES OR CASTING GRATES. YOU MAY ALSO REFER TO OUR CASTING CROSS REFERENCE GUIDE FOR IDOT STANDARDS

IDOT TYPE 1 ROUND INLET FILTER DEPICTED

NOTE: ROUND AND SQUARE INLET FILTERS AVAILABLE FOR MOST NEENAH
AND EAST JORDAN BEEHIVE, ROLL CURB AND CURB BOX FRAME TYPES

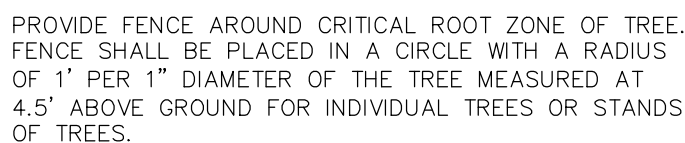
ALL IPP INLET FILTERS TO CONFORM TO IDOT SPECIFICATIONS AS
OUTLINED IN ARTICLE 1081.15 OF IDOT'S STANDARD SPECIFICATIONS GUIDE

INLET PROTECTION

N.T.S.

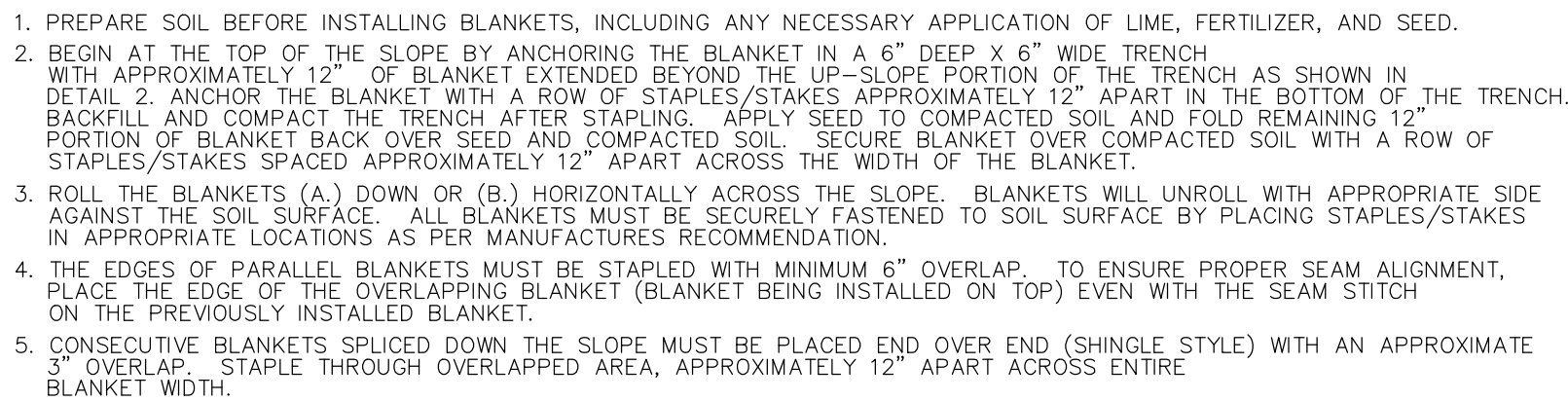


N.T.S



TREE PROTECTION

N.T.S.



6. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.
- NOTES:
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.
 3. PERVIOUS LAND WITH SLOPES RUNNING GREATER THAN OR EQUAL TO 4:1 SHALL CONTAIN SLOPE STABILIZATION BLANKET

EROSION CONTROL BLANKET (SLOPE INSTALLATION)

N.T.S.

A	KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE	C	SPRING OATS 100 LBS/ACRE	*	WATERING NEEDED DURING JUNE AND JULY
		D	WHEAT OR CEREAL RYE 150 LBS/ACRE	**	WATERING NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD
B	KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE	E	SOD		
		F	STRAW MULCH 2 TONS/ACRE		

SEEDING CHART

**BUILDING
REMODEL**

1000 W NORTHWEST HWY
ARLINGTON HTS., IL 60004

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C4.1

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WARRENVILLE, IL 60555
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

SCALE:

AS NOTED

DRAWN BY: AES

CHECKED BY: ANH	
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EROSION CONTROL DETAILS

BUILDING REMODEL

1000 W NORTHWEST HWY
ARLINGTON HTS., IL 60004

ORIGINAL ISSUE:

02/16/2022

KHA PROJECT NO. 100-107007

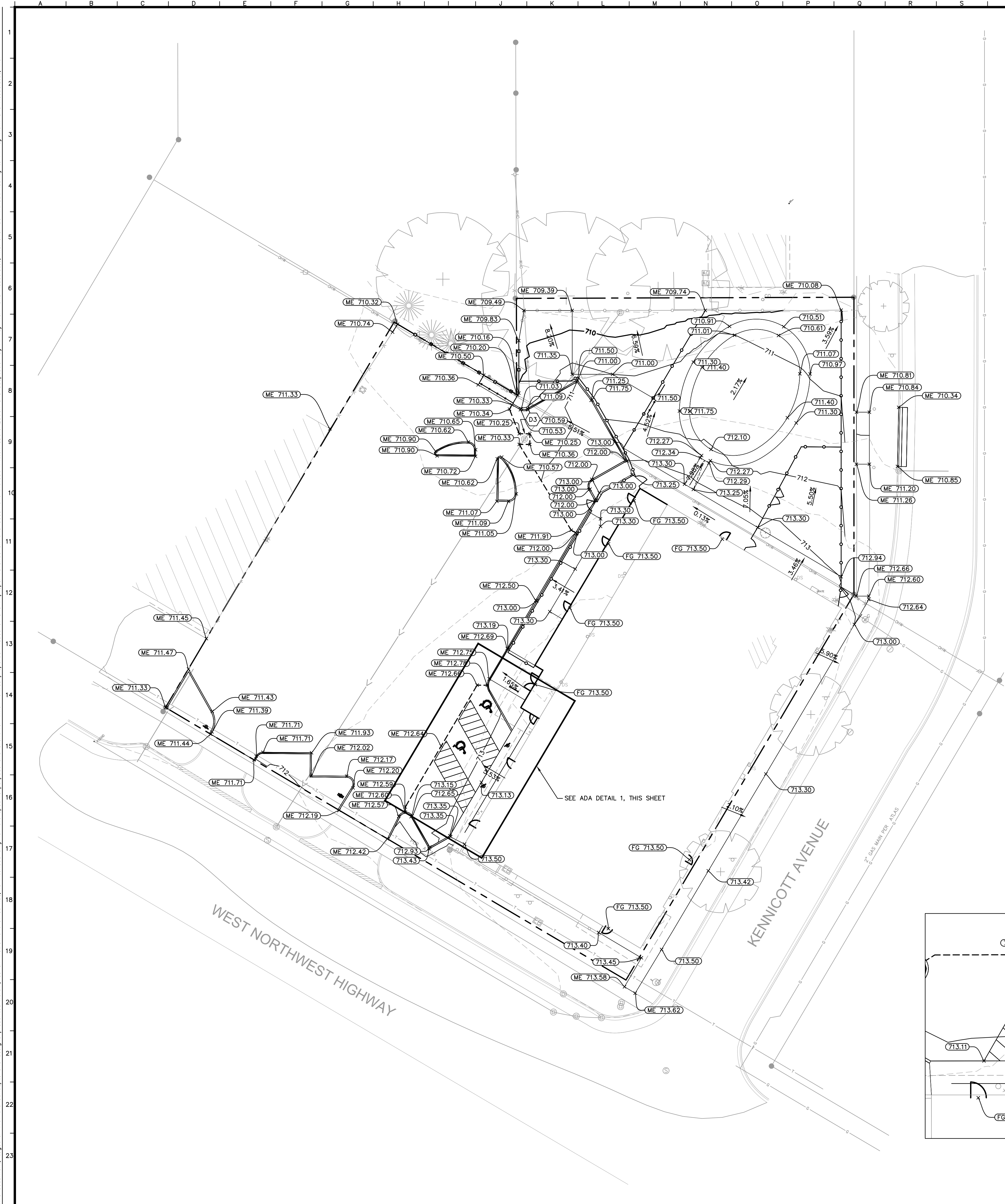
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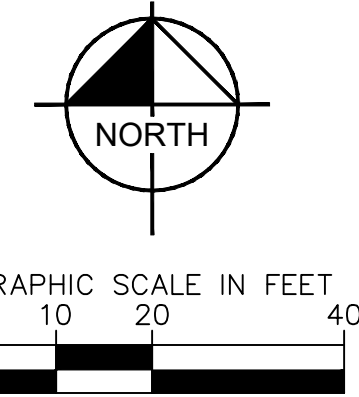
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Grading notes: K:\CHS\DEV\16842305_DEI_Design\CAD\Pics\Sheet\C5.0 - GRADING & DRAINAGE PLAN.dwg
 Date: Feb. 16, 2022, 3:20pm
 By: Jason Czubak
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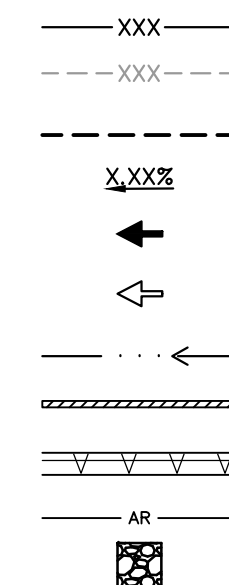
GRADING NOTES

1. 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 PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR LONG CURB AND GUTTER REFER TO FLOW LINE ELEVATIONS UNLESS OTHERWISE NOTED.
3. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR TO COORDINATE WITH EXCAVATION, LANDSCAPE AND PAVING SUBCONTRACTORS REGARDING TOPSOIL THICKNESS FOR LANDSCAPE AREAS AND PAVEMENT SECTION THICKNESS FOR PAVED AREAS TO PROPERLY ENSURE ADEQUATE CUT TO ESTABLISH SUBGRADE ELEVATIONS.
4. NO EARTHEN SLOPE SHALL BE GREATER THAN 3:1, UNLESS OTHERWISE NOTED.
5. MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ALL DIRECTIONS.
6. MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS AND ACCESSIBLE ROUTES.
7. WHEN NATURAL FLOW OF DRAINAGE IS AWAY FROM CURB, CONTRACTOR TO INSTALL REVERSE GUTTER PITCH.
8. MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS.
9. SEWER LINES WILL BE SCOPED & VERIFIED CAPABLE OF SERVING THE EXPECTED LOADS.




















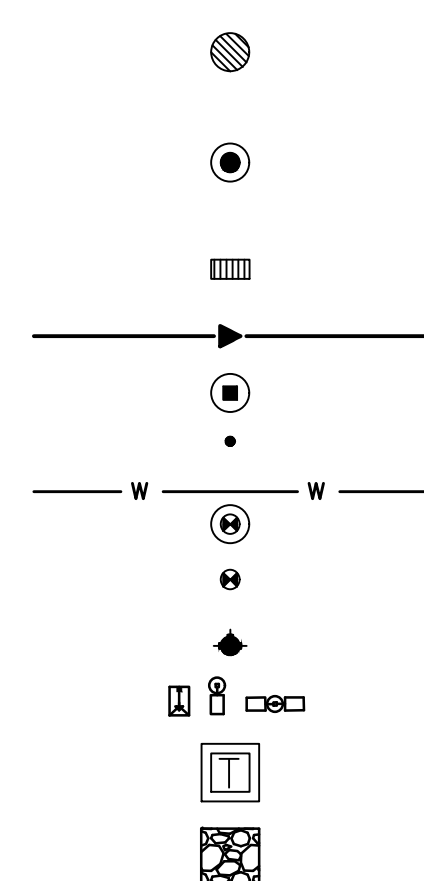
GRADING LEGEND

TP = TOP OF PAVEMENT
EP = EDGE OF PAVEMENT
FL = FLOW LINE
TC = TOP OF CURB
ME = MATCH ELEVATION
TF = TOP OF FOUNDATION
R = RIM ELEVATION
TW = TOP OF WALL
FG = FINISHED GRADE
TS = TOP OF STAIRS
BS = BOTTOM OF STAIRS
PROPOSED CONTOUR
EXISTING CONTOUR
SAWCUT LINE
SLOPE AND FLOW DIRECTION
100-YEAR OVERLAND OVERFLOW ROUTE
DETENTION BASIN 100-YEAR EMERGENCY
OVERLAND OVERFLOW ROUTE
PROPOSED SWALE
PROPOSED RETAINING WALL
REVERSED PITCH CURB AND GUTTER
ACCESSIBLE ROUTE
RIP RAP (SEE DETAILS)



UTILITY LEGEND

— W —	— W —	HYDRANT
		WATER VALVE
		WATER MANHOLE
—) —	—) —	SANITARY SEWER LINE
		SANITARY SEWER MANHOLE
— > —	— > —	STORM DRAIN LINE
		STORM STRUCTURE/INLET
— G —	— G —	GAS LINE
— T —	— T —	UNDERGROUND TELEPHONE LINE
		LIGHT POLE
— ELEC —	— ELEC —	PROPOSED UNDERGROUND ELECTRIC LINE
— GAS —	— GAS —	GAS LINE (BY GAS COMPANY)
— TEL —	— TEL —	PROPOSED PHONE LINE
		PROPOSED STORM SEWER LINE
		PROPOSED OPEN LID STORM STRUCTURE (PAVEMENT USE NEENAH R-2540) (GRASS USE NEENAH R-4340-B BEEHIVE)
		PROPOSED CLOSED LID STORM STRUCTURE (PAVEMENT USE NEENAH R-1772) (GRASS USE NEENAH R-1786)
		PROPOSED COMBINATION CURB INLET (B6.12 C&G USE NEENAH R-3281-A)
— ► —	— ► —	PROPOSED SANITARY SEWER LINE
		PROPOSED SANITARY MANHOLE
	•	PROPOSED STORM/SANITARY CLEANOUT
— W —	— W —	PROPOSED WATER LINE
		PROPOSED VALVE VAULT
		PROPOSED VALVE BOX
		PROPOSED FIRE HYDRANT
		PROPOSED LIGHT POLE
		PROPOSED TRANSFORMER PAD (FOR REFERENCE ONLY)
		RIP RAP (SEE DETAILS)



STORM STRUCTURE TABLE

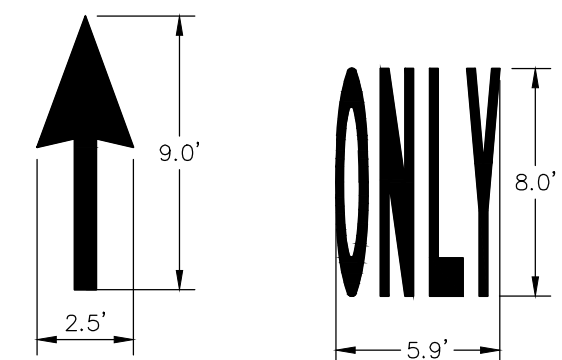
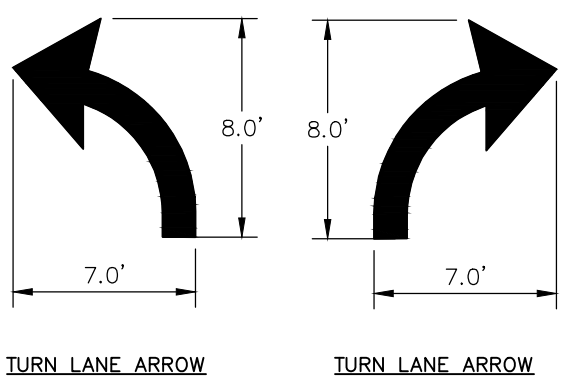
STRUCTURE NAME:	DETAILS:
D3	CONNECT TO EXISTING MANHOLE CONTRACTOR TO FIELD VERIFY PRIOR TO ORDERING MATERIALS RIM: 711.35 INV IN: 709.00 (W, 4") INV IN: 709.00 (S, 4") INV OUT: 706.65 (SW, 12")

ADA DETAIL 1

SCALE: 1" = 10'

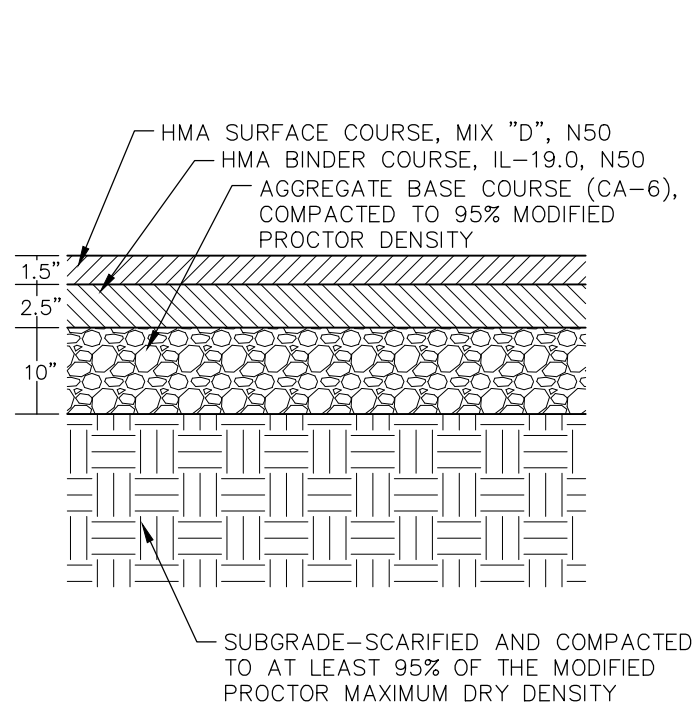
[illegible]

Drawing name: K:\GIS\LDE\16842006_LF_MingdonHighways\6.0 - CONSTRUCTION DETAILS.dwg Date: 16 Feb 2022 3:20pm by Jason Gubough
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



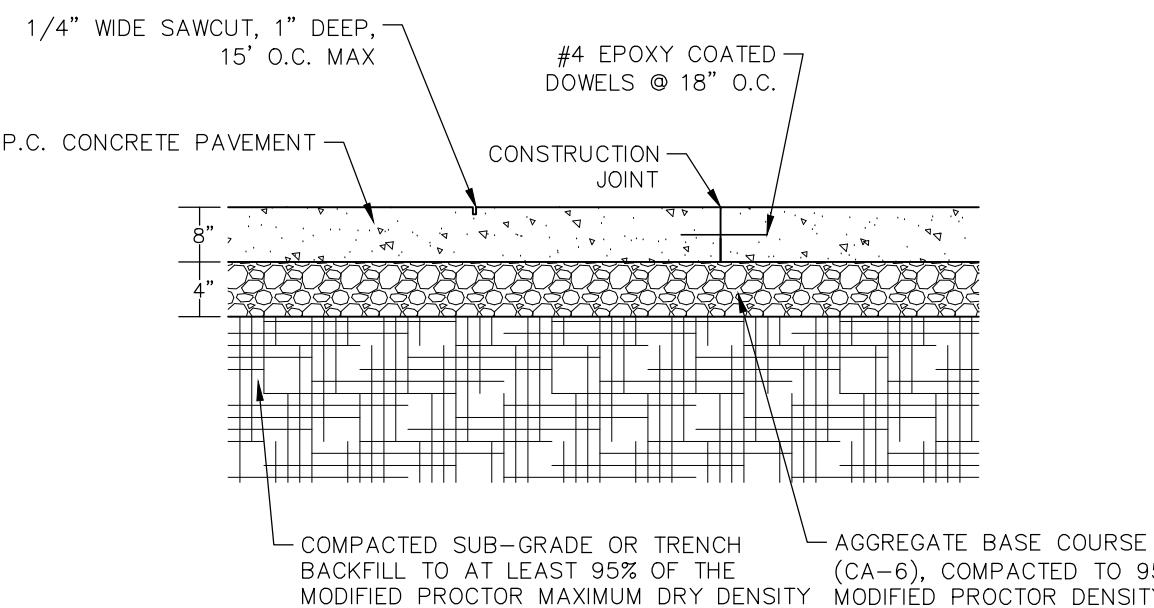
NOTE: ALL TRAFFIC FLOW ARROWS TO BE PAINTED PER STATE DOT STANDARDS PER DIMENSIONS ABOVE.

TRAFFIC FLOW ARROW
N.T.S.

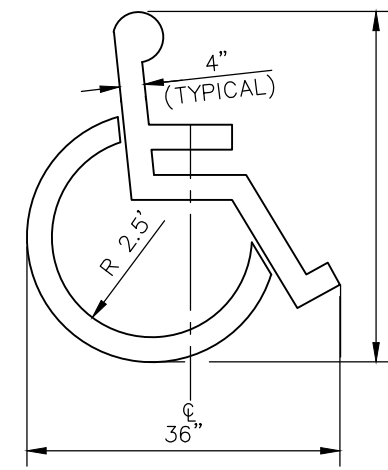


- NOTES:
1. PROVIDE 1/2" EXPANSION JOINTS AT 20', MAXIMUM, SPACING AND FILLED WITH PREMOLDED BITUMINOUS EXPANSION JOINT FILLER MATERIAL OR REDWOOD. EXPANSION JOINTS SHALL HAVE #4 DOWELS, LUBRICATED, 18" LONG, AT 12" CENTERS, 6" FROM EDGE.
 2. PROVIDE 3/8" GROOVED CONTROL JOINTS AT 5' CENTERS.
 3. 5" TYPICAL, 8" THICK IN DRIVEWAYS.
 4. PROVIDE 1/2" BITUMINOUS EXPANSION JOINT FILLER MATERIAL WHERE WALK ABUTS EXISTING IMPROVEMENTS AND AT ALL CHANGES IN GRADE.
 5. USE 2-#4 REINFORCING BARS, 10' LONG OVER ALL UTILITY TRENCHES FOR NEW SIDEWALK AND CONNECTIONS TO EXISTING SIDEWALK.
 6. AT DRIVE APPROACHES, SIDEWALK PCC AND BASE THICKNESS SHALL MATCH THAT OF THE DRIVE.

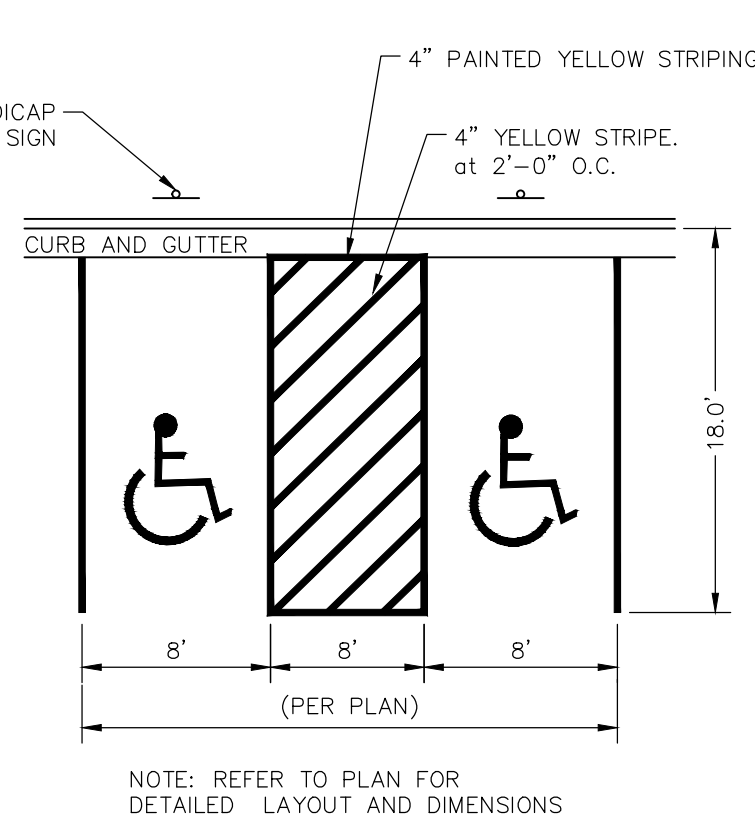
CONCRETE SIDEWALK
N.T.S.



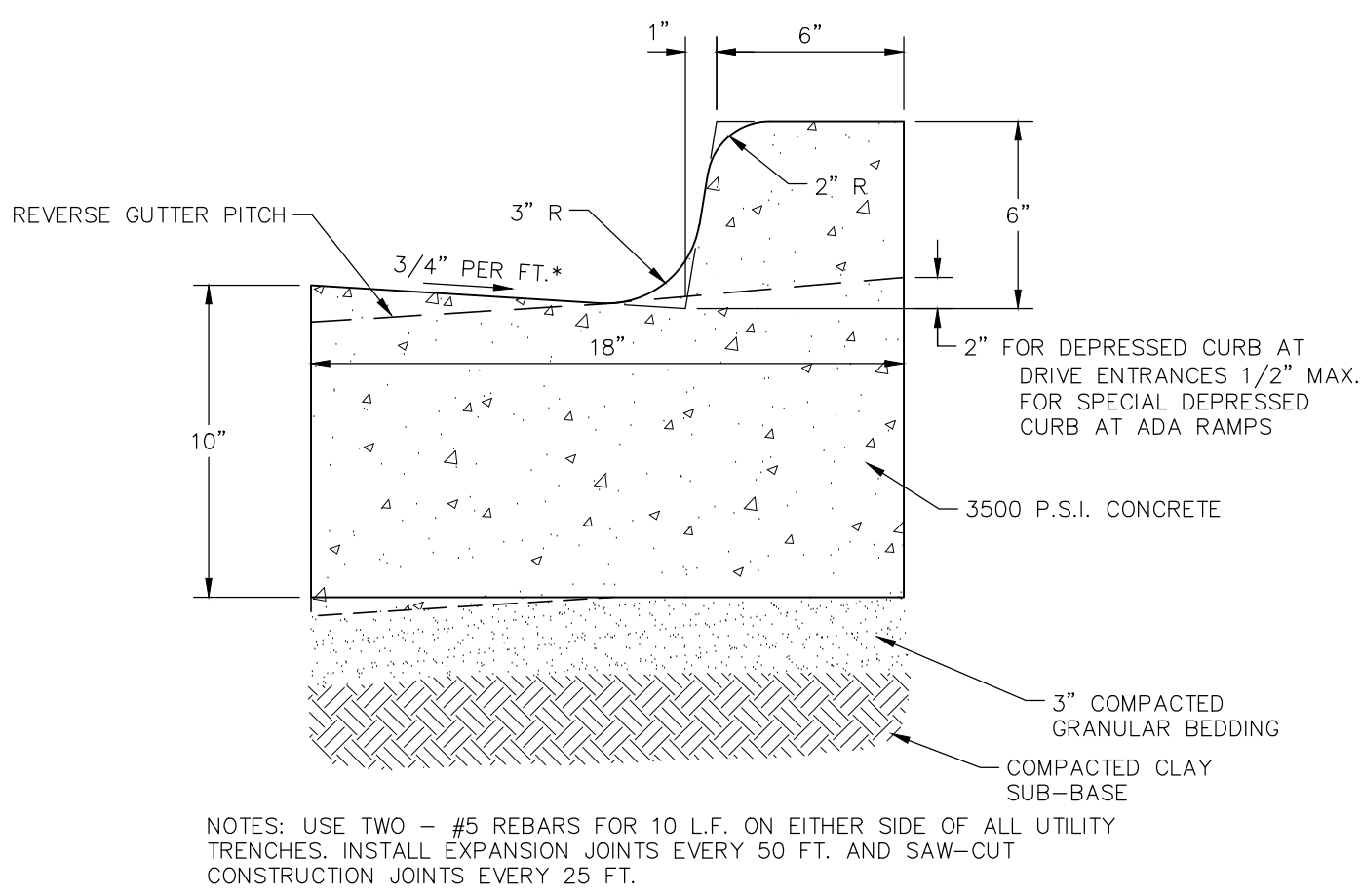
HEAVY DUTY CONCRETE PAVEMENT SECTION
N.T.S.



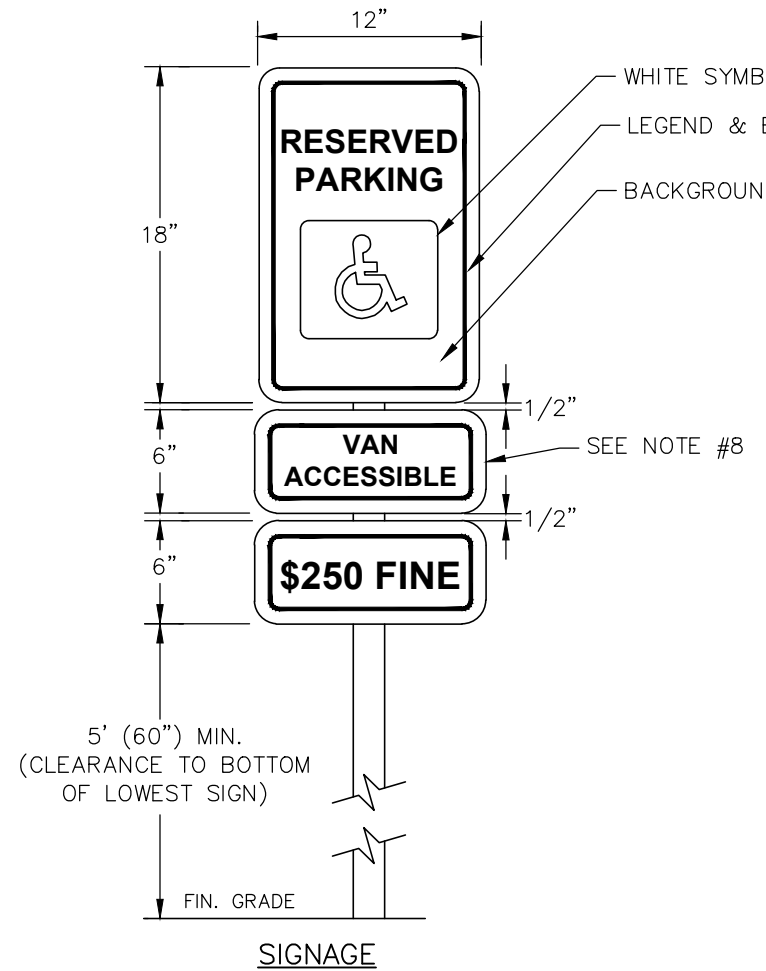
ACCESSIBLE PARKING SYMBOL
N.T.S.



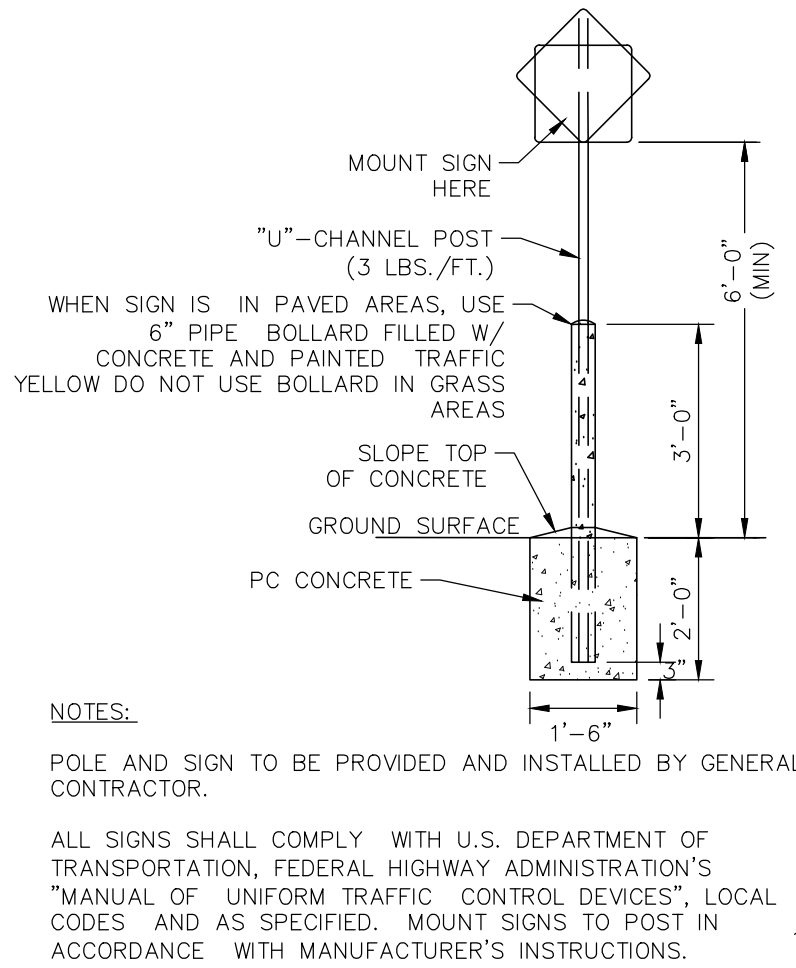
TYPICAL HANDICAP STRIPING
N.T.S.



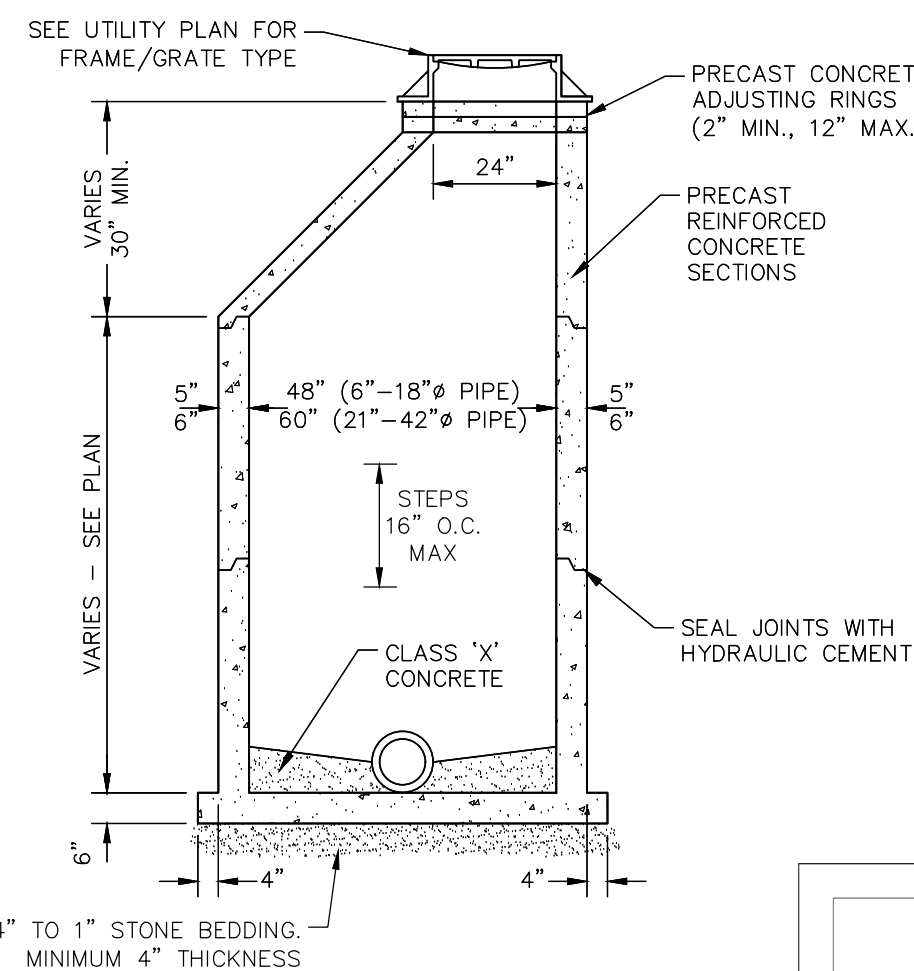
B6.12 CURB & GUTTER
N.T.S.



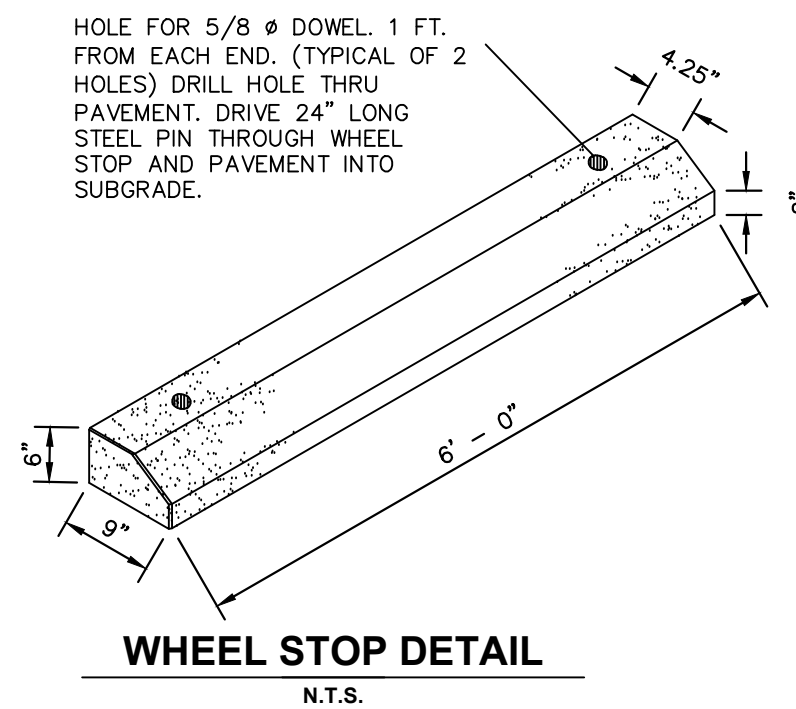
ACCESSIBLE PARKING SIGNAGE
N.T.S.



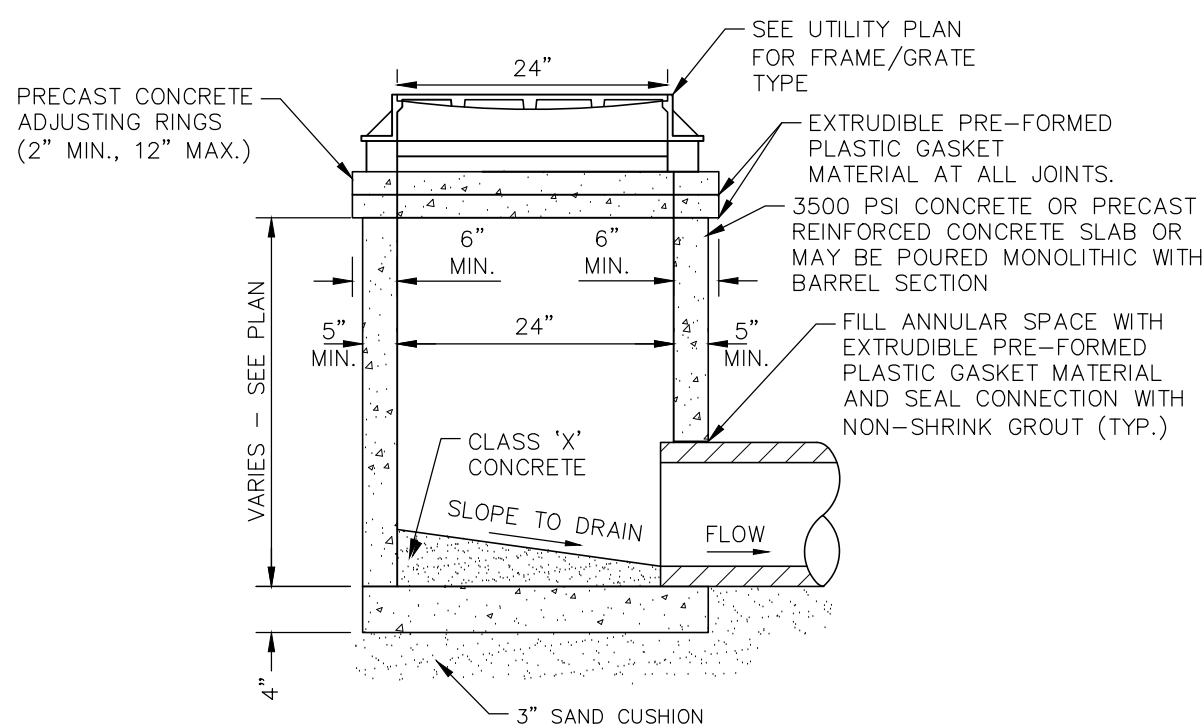
STANDARD SIGN BASE
N.T.S.



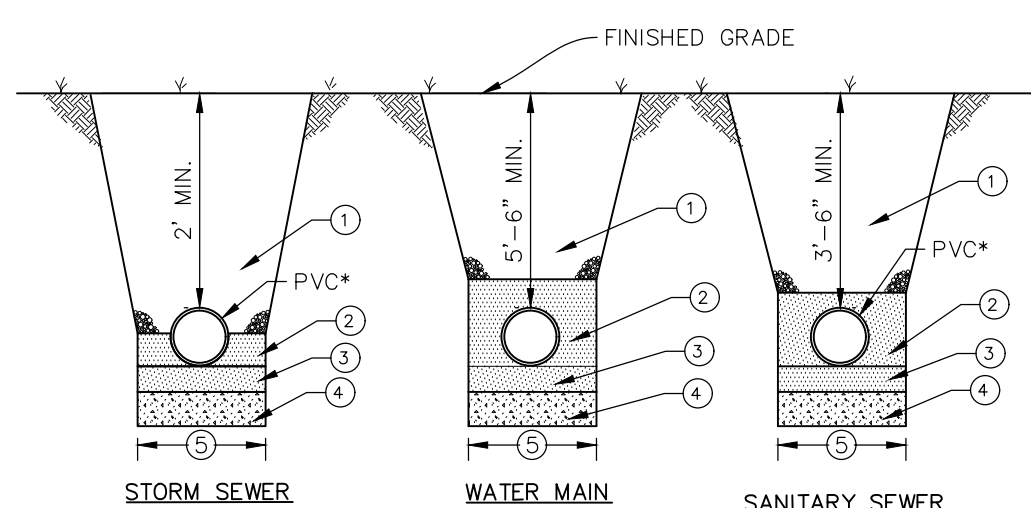
STORM MANHOLE TYPE A
N.T.S.



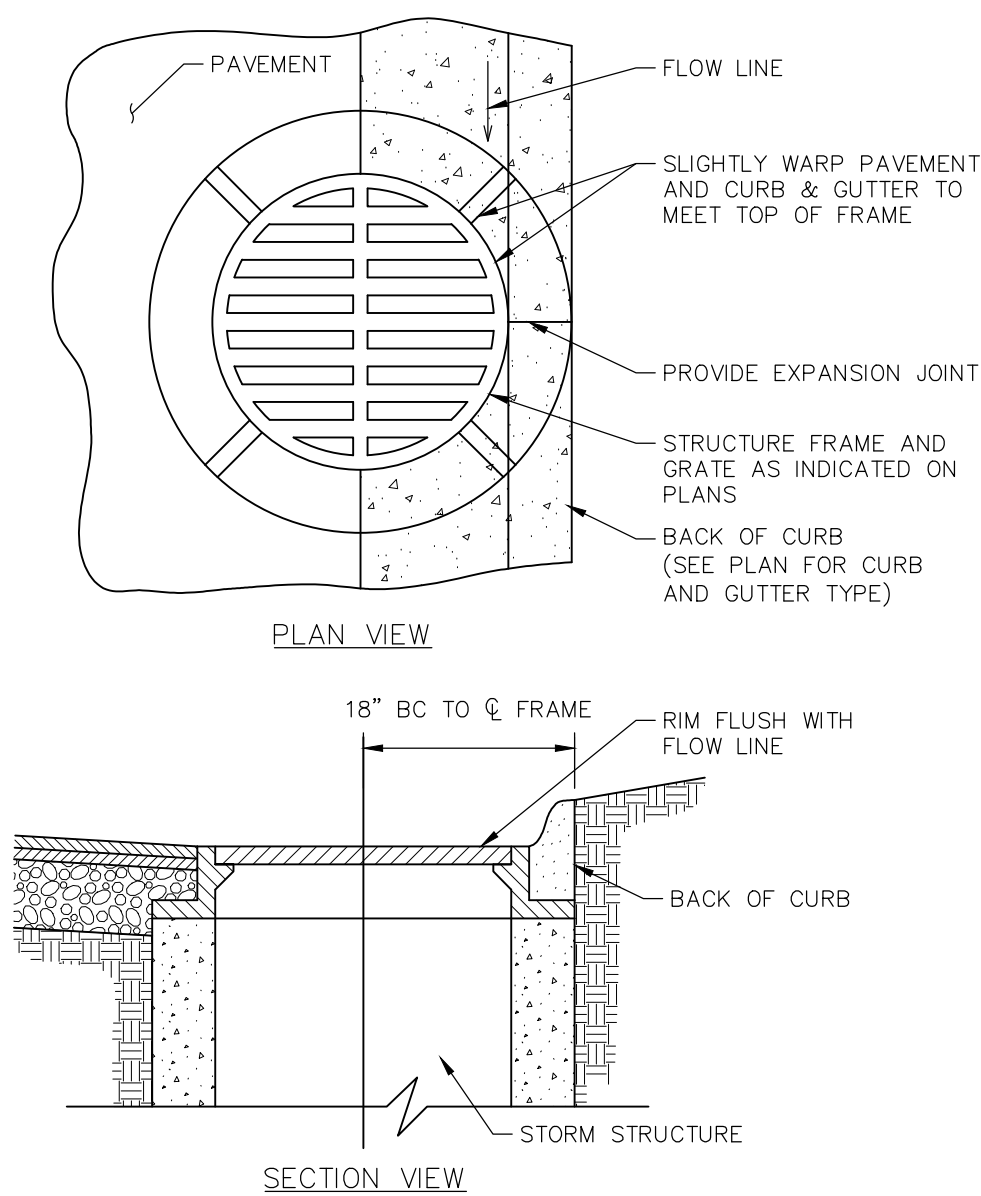
WHEEL STOP DETAIL
N.T.S.



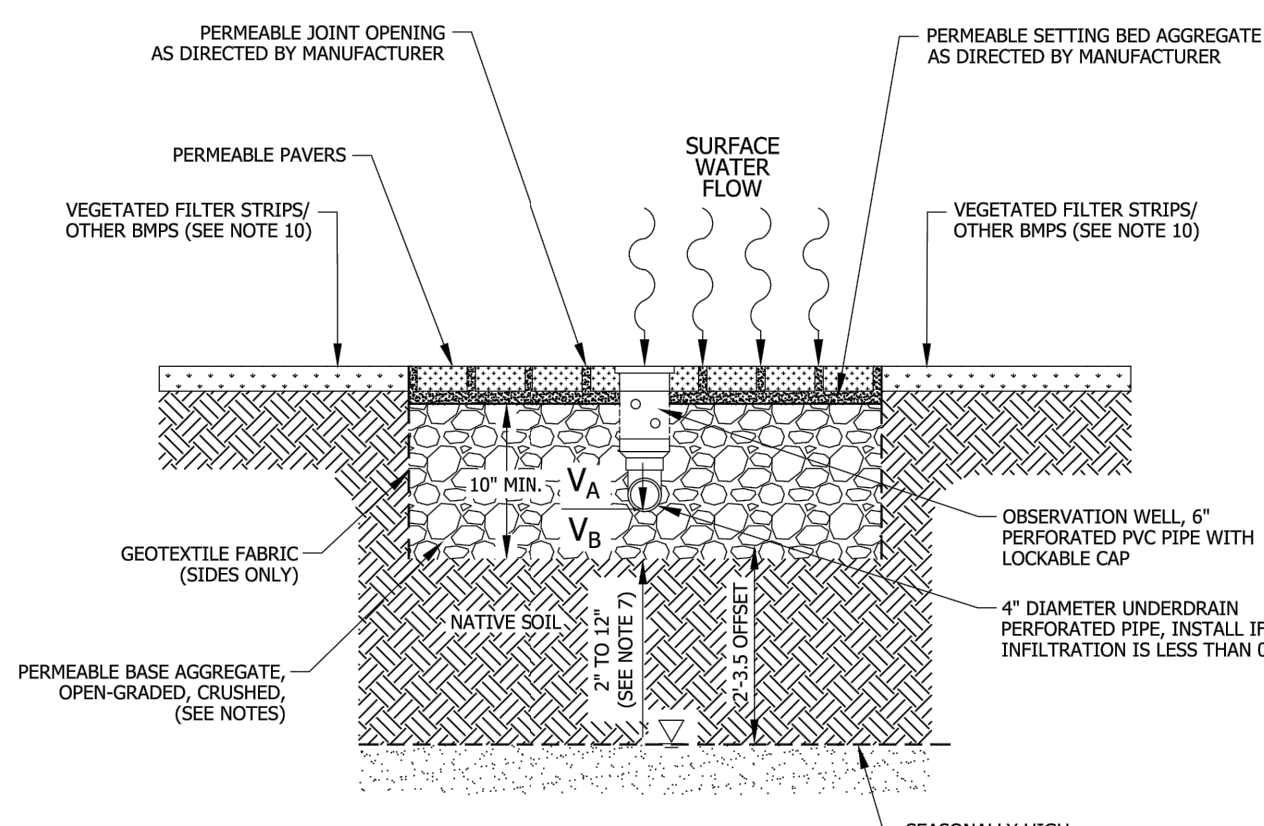
2' DIAMETER STORM INLET
N.T.S.



PIPE BEDDING DETAIL
N.T.S.



INLET AT CURB FRAME LOCATION
N.T.S.



BOTTOM OF THE FACILITY:	ELEV. 708.00
SEASONALLY HIGH GROUNDWATER:	ELEV. _____
SEPARATION:	FEET _____

VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V _A : COARSE AGGREGATE (ABOVE INVERT)	1,442 SF	1.33'	0.36	0.50 X 0.36 X V _A	345.2 CU-FT
V _B : COARSE AGGREGATE (BELOW INVERT)	1,442 SF	1.00'	0.36	0.36 X V _B	519.1 CU-FT
TOTAL					864.3 CU-FT
					0.020 AC-FT

- NOTES:
1. THE PERIMETER OF THE VOLUME CONTROL FACILITY SHALL MAINTAIN THE MINIMUM HORIZONTAL SEPARATION DISTANCE OF: 10-FEET FROM FOUNDATIONS, UNLESS WATERPROOFED; 20-FEET FROM ROADWAY GRAVEL SHOULDER; AND 100-FEET FROM POTABLE WATER TANKS, SEPTIC TANKS/FIELDS, OR OTHER UNDERGROUND TANKS.
 2. SANITARY OR COMBINED SEWERS SHALL NOT BE LOCATED WITHIN THE VOLUME CONTROL FACILITY. SANITARY OR COMBINED SEWERS SHALL NOT BE LOCATED BELOW THE FOOTPRINT OF THE VOLUME CONTROL FACILITY. WHEN LOCAL CONDITIONS PREVENT THE SEWER FROM BEING LOCATED OUTSIDE THE FOOTPRINT OF THE FACILITY THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN QUALITY STANDARDS, OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
 3. AVOID INSTALLATION ON SLOPES GREATER THAN 3.00%. AVOID COMPACTING NATIVE SOILS. SCARIFY ANY COMPACTED SOIL.
 4. GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS OF JRM MATERIAL SPECIFICATION 592, FOR WOVEN; APPARENT OPENING SIZE OF 0.50 MM (TABLE 1, CLASS 1). FOR NON WOVEN: APPARENT OPENING SIZE OF 0.30 MM (TABLE 2, CLASS II).
 5. STONE STORAGE OPTIONS ARE IDOT CA-1, CA-3, CA-7, DISTRICT VULCAN MIX, OR APPROVED ALTERNATE. NO RECYCLED MATERIALS.
 6. MINIMUM DISTANCE OF 2 FEET (3.5 FEET IN COMBINED SEWER AREAS) BETWEEN BOTTOM OF BMP AND SEASONALLY HIGH GROUNDWATER LEVEL.
 7. UNDERDRAINS ARE REQUIRED IN TYPICAL CLAYEY SOILS WHERE INFILTRATION RATES ARE LESS THAN 0.5 INCH/HOUR. MAXIMUM OF 1 UNDERDRAIN PER 30 FEET. PROVIDE A SOIL REPORT DOCUMENTING NATIVE INFILTRATION RATE TO FOREGO UNDERDRAINS.
 8. MINIMUM UNDERDRAIN BEDDING OF TWO INCHES, MAXIMUM OF 12 INCHES.
 9. ONE OBSERVATION WELL REQUIRED PER 6,000 SQUARE FEET OF SURFACE AREA.
 10. FOLLOW THE REQUIRED PRETREATMENT MEASURES LISTED ON THE VOLUME CONTROL PRETREATMENT MEASURES DETAIL.
 11. MAINTENANCE REQUIREMENTS INCLUDE ANNUAL VACUUMING AND LOW-PRESSURE POWER WASHING OF PAVEMENT SURFACE. ADJACENT VEGETATED AREAS SHALL BE WELL-MAINTAINED. BARE SPOTS AND ERODED AREAS SHALL BE REPLANTED AND STABILIZED IMMEDIATELY. DO NOT SEALCOAT OR APPLY DE-ICING SAND/GRAVEL/SALT. APPROPRIATE SIGNAGE REQUIRED FOR FACILITY, REFER TO THE TYPICAL SIGNAGE FOR PERMEABLE PAVEMENT DETAIL.

NOT TO SCALE



TECHNICAL GUIDANCE MANUAL

PERMEABLE PAVERS DETAIL

8/24/18

STD. DWG. NO. 9

PAGE NO. 10 - FC

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SCALE: AS NOTED
DESIGNED BY: JWG
DRAWN BY: AES
CHECKED BY: ANH

CONSTRUCTION DETAILS

BUILDING REMODEL

1000 W NORTHWEST HWY

ARLINGTON HTS., IL 60004

ORIGINAL ISSUE:

02/16/2022

KHA PROJECT NO.

168423005

SHEET NUMBER

C6.0

1. INSPECT TREE FOR DAMAGED BRANCHES. APPLY CORRECTIVE PRUNING.
2. SET ROOT BALL ON UNEXCAVATED OR TAMPED SOIL. TOP OF CORRECT ROOTBALL SHALL BE TWO INCHES ABOVE SURROUNDING GRADE WITH BURLAP AND WIRE BASKET INTACT.
3. REMOVE WIRE BASKET AND BURLAP DOWN FOUR TO SIX INCHES BELOW TOP OF ROOT BALL. REMOVE ALL TWINE AND (IF USED) SYNTHETIC MATERIAL. REMOVE OR CORRECT GIRDING ROOTS.
4. TAMP EXCAVATED SOIL AROUND BASE OF ROOTBALL.
5. BACKFILL REMAINDER EXCAVATED SOIL. TAMPED LIGHTLY. HIGH CLAY OR POOR SOIL SHALL RECEIVE SOIL AMENDMENT PER LANDSCAPE NOTES.
6. WATER THOROUGHLY WITHIN TWO HOURS USING 10 TO 15 GALLONS OF WATER.
7. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE.
8. FINAL LOCATION OF TREE TO BE APPROVED BY OWNER.



NT



1. APPLY CORRECTIVE PRUNING.
2. SET ROOT BALL OR CONTAINER ON UNEXCAVATED OR TAMPED SOIL. TOP OF CONTAINER OR ROOTBALL SHALL BE ONE INCH ABOVE SURROUNDING GRADE. FOR LARGER SHRUBS WITHIN PLANTING BED DIG A DEEPER PIT ONLY FOR THOSE SHRUBS.
3. REMOVE BURLAP FROM TOP HALF THE LENGTH OF ROOTBALL. TWINE AND (IF USED) SYNTHETIC MATERIAL SHALL BE REMOVED FROM PLANTING BED. FOR CONTAINER GROWN SHRUBS, REMOVE CONTAINER AND LOOSEN ROOTS PRIOR TO INSTALLATION.
4. REMOVE OR CORRECT GIRDLING ROOTS.
5. PLUMB AND BACKFILL WITH AMENDED SOIL PER LANDSCAPE NOTES. WATER THOROUGHLY WITHIN TWO HOURS.
6. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE. MULCH LIMITS FOR SHRUBS EXTEND TO ALL LIMITS OF PLANTING BED. SEE PLANS FOR BED LAYOUTS.

SHRUB PLANTING

NTS

1. EXCAVATE PLANTING BED.
2. BED HEIGHT IS TO BE 2" ABOVE FINISH GRADE AND WELL DRAINED.
3. REMOVE CONTAINER, ROOTS AND SOIL MASS TO REDIRECT AND PREVENT CIRCLING ROOTS. CORRECT GIRDLING ROOTS.
4. PLANT MATERIAL SHALL BE LAID OUT BY FOLLOWING THE BED EDGE, WORKING TOWARDS THE CENTER OF THE BED USING TRIANGULAR (STAGGERED) SPACING.
5. PLUMB AND BACKFILL WITH PLANTING MIX AS SPECIFIED IN LANDSCAPE NOTES.
6. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE. MULCH LIMITS FOR PERENNIALS/GROUNDCOVER EXTEND TO ALL LIMITS OF PLANTING BED. SEE PLANS FOR BED EDGES.
7. SPACING TO BE AS SPECIFIED IN THE PLANT LIST. PERENNIALS SHALL BE PLACED WITH THEIR CENTER 24" FROM EDGE OF BED.



PERENNIAL PLANTING

NTS


$$1/2" = 1'-0"$$

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SCALE:

AS NOTED

DRAWN BY: AFS

CHECKED BY: ANH

LANDSCAPE
NOTES AND
DETAILSBUILDING
REMODEL

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ORIGINAL ISSUE:

02/16/2022
KHA PROJECT NO
168423005

SHEET NUMBER

L2.0

Drawing name: \\Kimsley-Horn\WML\CHS\CHS\LDEN\1984\2305\jfr_drawing\heights_A1.2_Design\CAD\plansheets\A1.0_Landscape_Plan.dwg
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