LEGEND			
EXISTING	PROPOSED	DESCRIPTION	
X	* **	LIGHT STANDARD/DOUBLE LIGHT STANDARD	
×	•	WATER VALVE VAULT	
	X	WATER VALVE BOX	
A	A	FIRE HYDRANT	
8	⊗ _w	BUFFALO BOX	
۲		SANITARY MANHOLE	
\triangleright		FLARED END SECTION	
		STORM INLET	
0		STORM CATCH BASIN	
0	۲	STORM MANHOLE	
\odot		CLEANOUT	
		STORM SEWER PIPE	
((((SANITARY SEWER PIPE	
W	w	WATER MAIN PIPE	
	FM	FORCEMAIN PIPE	
		STORM SEWER SERVICE	
	$\longrightarrow \longrightarrow \longrightarrow \longrightarrow \longrightarrow \longrightarrow$	SANITARY SEWER SERVICE	
	wwwww	WATER MAIN SERVICE	
615.90	615.90	SANITARY RIM ELEVATION SANITARY INVERT ELEVATION	
616.50	616.50 28+00	WATER GRADE RING ELEVATION WATER STATION LOCATION	
615.90 606.20	615.90 606.20	STORM RIM ELEVATION STORM INVERT ELEVATION	
	$\langle \! \times \! \times \rangle$	PROPOSED SANITARY STRUCTURE LABEL	
	(FH-XX)	PROPOSED WATER STRUCTURE LABEL	
	\otimes	PROPOSED STORM STRUCTURE LABEL	
		PROPOSED RETAINING WALL	
		CURB AND GUTTER	
		DEPRESSED CURB AND GUTTER	
		REVERSE CURB AND GUTTER	
		SIDEWALK	
		SWALE FLOW ARROW	
		DRAINAGE ARROW	
		OVERLAND FLOW	
764	764	1 FOOT CONTOURS	
		ACCESSIBLE CURB RAMP	



			ABBR	EVIA	TIC	ONS		
ADJ	ADJUST	E	ELECTRIC	MH		STORM MANHOLE	RT	RIGHT
AGG.	AGGREGATE GRAVEL	E-E	EDGE TO EDGE	MIN.		MINIMUM	SAN	SANITARY SEWER
B.A.M.	BIT. AGG. MIXTURE	ELEV.	ELEVATION	NWL		NORMAL WATER LEVEL	SF	SQUARE FOOT
B-B	BACK TO BACK	E/P	EDGE OF PAVEMENT	OLID		OPEN LID	SHLD.	SHOULDER
B/P	BOTTOM OF PIPE	EX.	EXISTING	P.E.		PRIVATE ENTRANCE	SL	STREET LIGHT
B/WALL	GROUND AT BOTTOM OF WALL	F.E.	FIELD ENTRANCE	PERI	=.	PERFORATED	SMH	SANITARY MANHOLE
B.B.	BUFFALO BOX	F-F	FACE TO FACE	PC		POINT OF CURVE	ST	STORM SEWER
BIT.	BITUMINOUS CONCRETE	FF	FINISHED FLOOR	P.C.0	C.	PORTLAND CEMENT CONCRETE	STA.	STATION
BM	BENCHMARK	FES	FLARED END SECTION	PCC		POINT OF COMPOUND CURVE	STD	STANDARD
B.O.	BY OTHERS	FH	FIRE HYDRANT	PGL		PROFILE GRADE LINE	SW	SIDEWALK
C.E.	COMMERCIAL ENTRANCE	F/L	FLOW LINE	PI		POINT OF INTERSECTION	SY	SQUARE YARDS
СВ	CATCH BASIN	FM	FORCE MAIN	PL		PROPERTY LINE	TBR	TO BE REMOVED
CL	CENTERLINE	G	GROUND	PP		POWER POLE	Т	TELEPHONE
CLID	CLOSED LID	GAS	GAS	PRO	P.	PROPOSED	T-A	TYPE A
CMP	CORRUGATED METAL PIPE	GU	GUTTER ELEVATION	PT		POINT OF TANGENCY	T/C	TOP OF CURB
CNTRL	CONTROL	GW	GUY WIRE	PVC		POLYVINYL CHLORIDE PIPE	T/F	TOP OF FOUNDATION
C.O.	CLEAN OUT	H.C.	HANDICAP	P.V.0).	POINT OF VERTICAL CURVE	T/P	TOP OF PIPE
CONC.	CONCRETE	HDWL	HEADWALL	PVI		POINT OF VERTICAL INTERSECTION	T/W	TOP OF WALK
CY	CUBIC YARD	НН	HANDHOLE	PVT		POINT OF VERTICAL TANGENCY	T/WALL	TOP OF WALL
D	DITCH	HWL	HIGH WATER LEVEL	Р		PAVEMENT	TEMP	TEMPORARY
DIA.	DIAMETER	INL	INLET	R		RADIUS	TRANS	TRANSFORMER
DIP	DUCTILE IRON PIPE	INV.	INVERT	R.O.\	Ν.	RIGHT-OF-WAY	V.B.	VALVE BOX
DIWM	DUCTILE IRON WATER MAIN	IP	IRON PIPE	RCP		REINFORCED CONCRETE PIPE	V.V.	VALVE VAULT
DT	DRAIN TILE	MAX.	MAXIMUM	REM		REMOVAL	WL	WATER LEVEL
D S D		MB		RR			WM	

NOTE:



CONTACT JULIE AT 811 OR 800-892-0123

ONE CALLSISTEN 48 HOURS (2 working days) BEFORE YOU DIG

THE LOCATION, ELEVATION, SIZE, AND TYPES OF ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, ELEVATION, SIZE AND TYPES OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

RAINBOW CONE 15711 S. HARLEM AVE., ORLAND PARK

FINAL ENGINEERING PLANS

N.T.S.



	INDEX OF DRAWINGS
SHEET NO.	DRAWING TITLE
C1.0	COVER SHEET
C2.0	EXISTING CONDITIONS AND SOIL EROSION & SEDIMENT CONTROL PLA
C2.1	SITE DEMO PLAN
C3.0	SITE DIMENSIONAL PLAN
C4.0	SITE UTILITY & GRADING PLAN
C5.0	CONSTRUCTION DETAILS
C6.0	GENERAL NOTES & SPECIFICATIONS
L1.0	EXISTING LANDSCAPE AND TREE MITIGATION
L2.0	LANDSCAPE PLAN AND TABLE



=	LEGEND
	MONUMENT FOUND/SET
(50.0')	RECORD DIMENSION
50.0' M.	MEASURED DIMENSION
P.U. & D.E.	PUBLIC UTILITY EASEMENT
755.67' ×	EXISTING SPOT GRADE
/55'	
	SANITARY MANHOLE
ŏ	COMBINATION MANHOLE
7	
s¥o @	
W	WATERMAIN VALVE POX
<u></u>	
0	SLOT DRAIN/ BUBBLER
J.	UTILITY POLE
	STORM SEWERLINE
	SANITARY SEWERLINE
	COMBINATION SEWERLINE
— — W — —	WATERMAIN LINE
- — OH — —	OVERHEAD WIRES
	TELEPHONE LINE
- E E	ELECTRIC LINE
TV	CABLE TV. LINE
_ G G	GAS LINE
0	BOLLARD
X	ELECTRIC OUTLET BOX
0	SIGN
\bowtie	ELECTRIC TRANSFORMER
\bigcirc	GAS VALVE
	ELECTRIC MANHOLE
T/F	TOP OF FOUNDATION
F/F	FINISHED FLOOR
B/S	BOTTOM OF SIDING
B/L	BRICK LEDGE
G/F	GARAGE FLOOR
EM	
GM	
SD	
ICV	IRRIGATION CONTROL VALVE
• DS./DT.	DOWNSPOUT INTO DRAINTILE
DS.o-	DOWNSPOUT/DIRECTION
	SIGN
	A/C UNITS
Ø	STREET LIGHT BASE
	CONCRETE LIGHT POLE BASE W/STREET LIC
	STREET LIGHT HANDHOLE
\diamond	TRAFFIC CONTROL SIGNAL
w w	TRAFFIC CONTROL SIGNAL/ARM
WW	WINDOW WELL
	ELECTRIC MANHOLE
3"	TREE AND SIZE
69	MULTIPLE TRUNK TREE



DEMOLITION NOTES
. <u>ALL</u> UTILITY COMPANIES ARE TO BE CONTACTED TO PERMIT MARKING THEIR FACILITIES BEFORE <u>ANY</u> WORK IS DONE ON THE SITE.
2. THE OWNER SHALL BE PROVIDED WITH COPIES OF ALL DEMOLITION PERMITS AND UTILITY INFORMATION PRIOR TO THE COMMENCEMENT OF THE WORK.
. 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 INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFF-SITE OF THE FOLLOWING ITEMS:
 ON-SITE PAVEMENT DEBRIS FROM ALL DEMOLISHED STRUCTURES ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE SAWCUT FULL DEPTH AT THE EDGES PRIOR TO REMOVAL TO OBTAIN A "CLEAN" JOINT WHERE IT ABUTS NEW CURB OR PAVEMENT.
CONTRACTOR MUST RECEIVE APPROVAL FROM GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.
4. PORTIONS OF STRUCTURE TO BE DEMOLISHED SHALL BE VACATED AND DISCONTINUED FROM USE PRIOR TO START OF WORK. OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF STRUCTURES TO BE DEMOLISHED. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY OWNER IN SO FAR AS PRACTICABLE. HOWEVER, VARIATIONS WITHIN THE STRUCTURES MAY OCCUR BY OWNER'S REMOVAL AND SALVAGE OPERATIONS PRIOR TO START OF DEMOLITION WORK. ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED FROM SITE AS WORK PROGRESSES AND AS APPROVED BY THE OWNER. SALVAGED ITEMS MUST BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED. THE USE OF EXPLOSIVES WILL NOT BE PERMITTED. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.
5. UNDERGROUND UTILITIES SHOWN ARE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL "JULIE" (800-892-0123) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND AS DIRECTED BY THE GOVERNING 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 INCIDENTAL TO THE CONTRACT. PROPER NOTIFICATION TO THE OWNERS OF THE EXISTING UTILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.
 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.
7. REMOVE FROM SITE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. BURNING OF REMOVED MATERIALS WILL NOT BE PERMITTED ON SITE. TRANSPORT MATERIALS REMOVED AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
8. ALL EXISTING BUILDINGS, FOUNDATIONS, UTILITIES, AND LANDSCAPING AND OTHER IMPROVEMENTS ON ADJACENT PROPERTIES SHALL BE PROTECTED AT ALL TIMES

8. ALL EXISTING BUILDINGS, FOUNDATIONS, UTILITIES, AND LANDSCAPING AND OTHER IMPROVEMENTS ON ADJACENT PROPERTIES SHALL BE PROTECTED AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION WORK. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL ANY MATERIALS, EQUIPMENT, AND/OR MANPOWER NECESSARY TO ACCOMPLISH THIS.





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EXISTING BICYCLE PARKING = 2 SPACES

BUILDING SETBACKS		BUILDING SETBACKS
SIDE (NORTH) =	84.86'	SIDE (NORTH) =
FRONT (WEST) =	62.66'	FRONT (WEST) =
SIDE (SOUTH) =	42.23'	SIDE (SOUTH) =
REAR (EAST) =	57.05'	REAR (EAST) =
PARKING SETBACKS (I	MEASURED TO FACE/CURB)	PARKING SETBACKS (
SIDE (NORTH) =		
	8.38'	SIDE (NORTH) =
FRONT (WEST) =	8.38' 11.25'	SIDE (NORTH) = FRONT (WEST) =
FRONT (WEST) = SIDE (SOUTH) =	8.38' 11.25' 28.05'	SIDE (NORTH) = FRONT (WEST) = SIDE (SOUTH) =
FRONT (WEST) = SIDE (SOUTH) = REAR (EAST) =	8.38' 11.25' 28.05' 5.15'	SIDE (NORTH) = FRONT (WEST) = SIDE (SOUTH) = REAR (EAST) =

KING SETBACKS (MEASURED TO FACE/CURB)E (NORTH) =10.38'10' NT (WEST) = 11.25' N/A E (SOUTH) = 22.12' N/A R (EAST) = N/A 10.47'

PROVIDED BICYCLE PARKING = 4 SPACES

ACTUAL REQ'D 104.55' 15'

25'

25'

15'

62.66'

42.23'

57.24'

PROJ. NUMBER:

SHEET NO.

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SIT

PROJ. MGR.:

PROJ. ENG.:

DRAWN BY:

DATE: SCALE: S

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71

15

PJW

KM

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09-16-22

1"=20'





NDTES:

GENERAL REQUIREMENTS:

- 1. ALL WORK SHALL BE IN CONFORMANCE WITH THE APPLICABLE SECTIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (HEREIN AFTER REFERRED TO AS STANDARD SPECIFICATIONS) ADOPTED APRIL 1, 2016 AND SUPPLEMENTAL SPECIFICATIONS. WITHIN THE STANDARD SPECIFICATIONS, ARTICLES 105.01, 105.09, 105.10, 105.11, 105.12, 105.13 AND SECTION 109 SHALL NOT BE INCORPORATED INTO THIS CONTRACT.
- 2. SCOPE OF WORK: THE PROPOSED IMPROVEMENTS CONSIST OF SUPPLYING ALL THE NECESSARY LABOR, MATERIAL AND EQUIPMENT TO SATISFACTORILY CONSTRUCT AND INSTALL ALL IMPROVEMENTS ACCORDING TO THE PLANS.
- 3. CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO LOCATE AND PROTECT ALL UNDERGROUND FACILITIES/UTILITIES DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS AND CONTACT THE OWNER. ANY DAMAGE TO ANY UTILITIES SHALL BE PROMPTLY REPORTED TO THE OWNER. REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE UNDERGROUND UTILITIES SHOWN HEREIN ARE APPROXIMATE AND BASED ON THE ACTUAL LOCATION OF SURFACE STRUCTURES AND PLANS PROVIDED BY THE OWNER. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS.
- 4. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED HAZARD WARNING LIGHTS, DELINEATOR FENCE, AND OTHER ASSOCIATED FACILITIES AS REQUIRED FOR OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCK PILES, AND PARKED CONSTRUCTION EQUIPMENT THAT MAY POSE A POTENTIAL HAZARD AS PART OF THE DAILY OPERATIONS AT THIS SITE. CONTRACTOR IS SOLELY RESPONSIBLE FOR SITE SAFETY.
- 5. CONTRACTOR SHALL CONTINUOUSLY COMPARE ALL LINES, GRADES, AND OTHER INFORMATION APPEARING ON THE PLANS WITH THE ACTUAL LINES, GRADES, AND SITE CONDITIONS. ANY DISCREPANCIES THAT MAY AFFECT THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED TO THE OWNER AND ENGINEER IN WRITING FOR DISPOSITION BEFORE CONTRACTOR PROCEEDS WITH THE WORK. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE WORK COMPLETED PRIOR TO THE REPORT TO THE OWNER AND ENGINEER, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION OF THE WORK PRIOR TO THE REPORT TO THE OWNER AND ENGINEER.
- 6. CONTRACTOR PARKING AND LAYDOWN AREAS SHALL BE COORDINATED WITH THE OWNER.
- 7. PRIOR TO PERFORMING ANY WORK IN OR ON THE RIGHT OF WAY OF ANY CITY OR STATE ROADWAY, THE CONTRACTOR SHALL NOTIFY THE CITY / STATE TRAFFIC ENGINEER'S OFFICE. THE CONTRACTOR SHALL ERECT WARNING SIGNS AND BARRICADES TO PROTECT THE TRAVELING PUBLIC AND HIS WORKERS. THE SIGNING AND BARRICADING SHALL CONFORM TO THE APPROPRIATE APPLICATIONS OUTLINED IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR AS OTHERWISE DIRECTED BY THE CITY / STATE TRAFFIC ENGINEER. IF PERMITS ARE REQUIRED TO CONDUCT THE WORK, THE CONTRACTOR SHALL SECURE THE PERMITS AND SUPPLY THEM TO THE OWNER AT NO ADDITIONAL COST. ALL FULL WIDTH LANE CLOSURES, PARTIAL LANE CLOSURES, AND CONSTRUCTION ADJACENT TO PAVEMENT SHALL BE IDENTIFIED, SIGNED, AND BARRICADES ERECTED IN CONFORMANCE WITH THE APPLICABLE ARTICLES OF SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE MUNICIPALITY'S REQUIREMENTS. ALL TRAFFIC PROTECTION, BOTH ONSITE AND OFFSITE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 8. CONTRACTOR SHALL REMOVE EARTHEN MATERIALS, EXISTING SURFACES, AND STRUCTURES AS REQUIRED. ALL WASTE MATERIAL SHALL BE PROPERLY DISPOSED OFF-SITE AND SHALL BE INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, UNLESS NOTED. THIS WILL INCLUDE BUT NOT BE LIMITED TO MUNICIPAL BUILDING PERMIT. THE OWNER WILL SECURE THE N.P.D.E.S. PERMIT. THE CONTRACTOR SHALL PROVIDE ANY FINANCIAL SURETIES REQUIRED AS PART OF ANY PERMIT.
- 10. WHEN CONCRETE IS PLACED ABUTTING STRUCTURES, FOUNDATIONS OR EXISTING SIDEWALKS, A BOND BREAKER CONSISTING OF 1" P.J.F. AND ELASTOMERIC JOINT SEALANT SHALL BE USED FULL DEPTH UNLESS OTHERWISE NOTED.
- 11. MAXIMUM CONTRACTION JOINT SPACING ON CONCRETE CURB AND GUTTER OR CONCRETE GUTTER SHALL NOT EXCEED 25'.
- 12. SIDEWALK RAMPS FOR ADA SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN HEREIN. DETECTABLE WARNINGS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- 13. HOT-MIX ASPHALT PAVEMENT PATCHING SHALL BE IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING ELECTRONIC AS-BUILT DRAWINGS, FOR UTILITIES AND DETENTION AREAS, TO THE OWNER, ENGINEER, AND VILLAGE OF ORLAND PARK FOR REVIEW AND APPROVAL PRIOR TO PROJECT ACCEPTANCE.
- 15. CONSTRUCTION STAKING, LAYOUT, AND GRADING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR USING THE BASIC TOPOGRAPHIC SURVEY CONTROLS PROVIDED IN THE PLANS. CONTRACTOR SHALL VERIFY SURVEY CONTROLS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES IN THE SURVEY CONTROLS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION. ANY ADDITIONAL SURVEY CONTROLS REQUIRED FOR CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 16. CONTRACTOR SHALL COORDINATE ALL UTILITY LINE CROSSINGS TO ENSURE ALL PIPES MAINTAIN MINIMUM COVER, MINIMUM CLEARANCES, AND PROPER SEPARATION. GRAVITY LINES SHALL HAVE PRECEDENCE OVER PRESSURIZED LINES.
- 17. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL ITEMS INCORPORATED INTO THE WORK FOR ENGINEER REVIEW AND APPROVAL A MINIMUM OF 4 WEEKS PRIOR TO ORDERING.
- 18. REFERENCES TO "INSPECTION" OR "INSPECTOR" IN THE SPECIFICATIONS SHALL NOT CREATE, IMPOSE, OR GIVE RISE TO ANY DUTY OWED BY THE OWNER OR ENGINEER TO THE CONTRACTOR, ANY SUBCONTRACTOR, OR ANY SUPPLIER. ALL IMPROVEMENTS SHALL BE SUBJECT TO INSPECTION BY A DULY AUTHORIZED AND QUALIFIED OWNER'S REPRESENTATIVE BOTH DURING THE COURSE OF CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE. THE INSPECTOR SHALL HAVE AUTHORITY OVER MATERIALS OF CONSTRUCTION, METHODS OF CONSTRUCTION AND WORKSMANSHIP TO ENSURE COMPLIANCE WITH WORKING DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE FOR REASONABLE TESTS AND PROOF OF QUALITY OF MATERIALS AS REQUESTED BY THE INSPECTOR. UPON DUE CAUSE, WHICH SHALL INCLUDE WEATHER CONDITIONS, WORKMANSHIP OR NON-ADHEREANCE TO THE APPROVED PLANS AND SPECIFICATIONS, THE INSPECTOR SHALL HAVE THE AUTHORITY TO STOP CONSTRUCTION.
- 19. WHERE SECTION, SUB-SECTION, SUBDIVISION, OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN OWNER OR AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
- 20. ALL TRENCH BACKFILL SHALL BE IMPORTED GRANULAR MATERIAL UNLESS EXISTING GRANULAR MATERIALS ARE SPECIFICALLY APPROVED BY THE OWNER'S REPRESENTATIVE.
- 21. ALL AGGREGATE BASE COURSE SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY. 22. ALL AGGREGATE BASE AREAS TO BE PAVED (PAVEMENT, SIDEWALK, CURB, OR STRUCTURES) SHALL BE PROOF-ROLLED WITH SEVERAL PASSES OF A FULLY LOADED DUMP TRUCK. CONTRACTOR SHALL NOTIFY THE VILLAGE OF ORLAND PARK AND OWNER AND/OR ENGINEER 24 HOURS PRIOR TO PROOF ROLL AND SHALL MAKE ALL CORRECTIONS TO PROVIDE A SATISFACTORY SUBGRADE.
- 23. ANY UNCONTROLLED CRACKING THAT OCCURS IN CONCRETE PAVEMENT, SIDEWALK, CURB, OR CURB AND GUTTER PRIOR TO FINAL ACCEPTANCE SHALL BE ROUTED OR SAWED AND SEALED ACCORDING TO THE STANDARD SPECIFICATIONS.
- 24. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY WORK IN AND AROUND UTILITY-OWNED INFRASTRUCTURE AND MAKE THEM AWARE OF WORK TO BE PERFORMED.
- 25. ALL SIDEWALKS SHALL BE 5 INCHES IN THICKNESS AND REINFORCED WITH 6" x 6" WIRE MESH AND 5 FEET IN WIDTH. ALL SIDEWALKS SHALL BE CONSTRUCTED WITH A MIN. CROSS SLOPE OF 1% AND A MAX. CROSS SLOPE OF 2%. SIDEWALK THICKNESS SHALL BE INCREASED TO A MINIMUM 6" AT DRIVEWAYS OR AS REQUIRED BY THE MUNICIPALITY. ALL SIDEWALKS AT CURB DEPRESSIONS SHALL INCLUDE A DETECTABLE WARNING FOR THE VISION IMPAIRED CONSISTING OF TRUNCATED DOMES. THE WARNING AREA SHALL BEGIN SIX (6) INCHES FROM THE BACK OF CURB AND CONTINUE FOR TWO (2) FEET IN THE DIRECTION OF PEDESTRIAN TRAVEL FOR THE ENTIRE WIDTH OF THE WALKING SURFACE. DETECTABLE WARNINGS SHALL BE EAST JORDAN DWS ADOBE RED. SEE VILLAGE LDC SECTION 6-406.A FOR MORE INFORMATION.

- TO OR INSTALLING ANY PUBLIC SEWER OR WATER MAINS.
- SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL

EXISTING TOPOGRAPHY:

- CONSTRUCTION

SITE DEMOLITION:

- EXISTING UTILITIES TO REMAIN, WHICH ARE DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, SHALL BE REPAIRED AND/OR REPLACED WITHOUT ADDITIONAL COMPENSATION. CONFLICTS WITH PROPOSED CONSTRUCTION AND UTILITIES TO REMAIN ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONSTRUCTION MANAGER FOR COORDINATION WITH THE OWNER'S REPRESENTATIVE, ENGINEER, AND UTILITY COMPANY.
- 2. NO DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL TAKE PLACE WITHIN PUBLIC RIGHT-OF-WAY UNTIL ALL PERMITS ARE SECURED. 3. ALL PAVEMENT TO BE REMOVED SHALL BE SAWCUT FULL DEPTH.
- 4. CONTRACTOR SHALL EMPLOY ALL MEASURES NECESSARY DURING DEMOLITION TO CONTROL EROSION AND INSURE THAT SEDIMENT DOES NOT LEAVE THE SITE. TRACKING OF DIRT ONTO PUBLIC STREETS AND EXISTING PARKING LOT SHALL BE CLEANED IMMEDIATELY, AND ALL SEDIMENT AND EROSION CONTROL ITEMS SHALL BE INSTALLED PRIOR TO CLEARING AND DEMOLITION WORK. THE VILLAGE MAY REQUEST CLEANING OF THE SITE OR ADJACENT ROADWAYS AT THEIR DISCRETION.
- 5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS AND BECOMING FAMILIAR WITH ALL CONSTRUCTION DOCUMENTS.
- 6. ITEMS INDICATED TO BE REMOVED SHALL BE COMPLETELY REMOVED UNLESS INDICATED OTHERWISE.
- DESIGNATED BY THE OWNER.
- ROOT BALLS.
- 9. UNLESS OTHERWISE IDENTIFIED AND/OR NOTED ON THE DEMOLITION PLAN, CONTRACTOR SHALL FULLY DEMOLISH, REMOVE, AND LAWFULLY DISPOSE OF ALL EXISTING BUILDINGS, IMPROVEMENTS, AND RELATED APPURTENANCES AT THIS SITE AND PROPERTY. CONTRACTOR SHALL ALSO DEMOLISH, REMOVE, AND LAWFULLY DISPOSE OF EXISTING IMPROVEMENTS AND CONSTRUCTIONS IN THE PUBLIC RIGHT-OF-WAY NECESSARY TO ACCOMPLISH THE NEW PROJECT WORK DESCRIBED ELSEWHERE IN THESE BIDDING AND CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL PROCURE ALL NECESSARY PERMITS AND APPROVALS FOR SUCH DEMOLITION WORK (BOTH INSIDE THE PROPERTY LINE AND IN THE PUBLIC RIGHT-OF-WAY) PRIOR TO COMMENCING ANY DEMOLITION OPERATIONS.
- 10. CONTRACTOR SHALL FULLY PROTECT ALL SURROUNDING PROPERTIES FROM ANY AND ALL DAMAGE DURING DEMOLITION OPERATIONS; AND SHALL BE FULLY RESPONSIBLE FOR REPAIRING (TO A CONDITION ACCEPTABLE TO THE OWNER AND ARCHITECT) ANY AND ALL DAMAGE THAT DOES OCCUR.
- 11. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROLS AND RELATED APPURTENANCES THAT ARE REQUIRED BY ANY APPLICABLE CODES AND ORDINANCES, DURING ALL DEMOLITION OPERATIONS.
- AND ITS SURROUNDINGS DURING DEMOLITION OPERATIONS.
- 13. ALL DEMOLISHED EXISTING MATERIALS, SYSTEMS, AND CONSTRUCTIONS SHALL BE DISPOSED OF IN A LAWFUL MANNER, AND WRITTEN RECORDS OF THE FINAL DESTINATION FOR THESE MATERIALS, SYSTEMS, AND CONSTRUCTIONS (INCLUDING ANY IDENTIFIED HAZARDOUS ITEMS) SHALL BE PROVIDED TO THE OWNER AND ENGINEER. ADDITIONALLY, SOME EXISTING MATERIALS AND SYSTEMS MAY NEED TO BE RECYCLED AND/OR OTHERWISE SALVAGED IN ORDER TO MEET THE SUSTAINABILITY AND LEED REQUIREMENTS OF THIS PROJECT. SEE OTHER PORTIONS OF THESE BIDDING AND CONSTRUCTION DOCUMENTS FOR SUCH REQUIREMENTS.
- 14. EXISTING SITE SHALL BE CLEANED ON A DAILY BASIS THROUGHOUT THE DURATION OF DEMOLITIONS OPERATIONS; AND NO DEBRIS OR PRODUCTS OF DEMOLITION SHALL BE ALLOWED TO ACCUMULATE OUTSIDE THE BOUNDARIES OF THE SITE.
- 15. CONTRACTOR SHALL FULLY COORDINATE ALL PROJECT DEMOLITION OPERATIONS, INCLUDING THE REMOVAL AND LAWFUL DISPOSAL OF ALL IDENTIFIED HAZARDOUS MATERIALS AND SYSTEMS. 16. CONTRACTOR MUST ORGANIZE A PRE-CONSTRUCTION MEETING WITH THE VILLAGE OF ORLAND PARK ENGINEERING DEPARTMENT PRIOR TO SITE DISTURBANCE. CONTRACTOR SHALL SUBMIT A COMPLETE WRITTEN PLAN AND SCHEDULE FOR ALL PROPOSED DEMOLITION WORK TO VILLAGE, OWNER AND ARCHITECT FOR REVIEW AND COMMENT, PRIOR TO BEGINNING ANY SUCH OPERATIONS. DURING THE COURSE OF THIS DEMOLITION WORK, IF ANY ARTIFACTS OR OTHER UNUSUAL ITEMS ARE DISCOVERED, CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER IMMEDIATELY, BEFORE PROCEEDING ANY FURTHER. ANY EXPENSES RESULTING FROM THE
- FAILURE TO PROVIDE SUCH IMMEDIATE NOTIFICATION SHALL BE BORNE BY THE CONTRACTOR.

SITE LAYOUT:

- CURB.
- A. SEWER PIPE. 3. CONTRACTOR SHALL COORDINATE ALL WORK WITHIN PUBLIC RIGHT-OF-WAY WITH THE a. SUMP PUMP SERVICE CONNECTION AND STORM SEWER EXTENSION (4" AND 6") - ABS SEWER PIPE OR PVC SEWER PIPE ASTM D2751, APPROPRIATE PUBLIC AGENCY. NOTIFICATION SHALL OCCUR A MINIMUM OF 48 HOURS PRIOR TO SDR35, OR ASTM D3034, SDR35, OR FLEXIBLE PLASTIC DRAIN PIPE COMMENCING WORK WITHIN PUBLIC RIGHT-OF-WAY. ALL PERMITS ARE THE RESPONSIBILITY OF b. CONCRETE SEWER PIPE (10" DIAMETER AND SMALLER), MINIMUM CLASS 3, ASTM C14. THE CONTRACTOR. c. REINFORCED CONCRETE PIPE (12" DIAMETER AND LARGER), CIRCULAR REINFORCEMENT, MINIMUM CLASS 3, WALL B, ASTM C76. d. HIGH DENSITY POLYETHYLENE (HDPE) PIPE (12" DIAMETER TO 60" DIAMETER), ASTM D3350, ASTM F2648"
- 4. P.C. CONCRETE PAVEMENT AND SIDEWALKS SHALL BE CLASS PV AND CLASS SI, RESPECTIVELY, IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS.
- 5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS AND BECOMING FAMILIAR WITH ALL CONSTRUCTION DOCUMENTS.
- SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS AND DOOR LOCATIONS.

26. ANY SIDEWALKS, FENCES, AND OTHER ITEMS NOT SHOWN TO BE REMOVED, BUT DAMAGED DURING CONSTRUCTION, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.

27. CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCY A MINIMUM OF 48 HOURS PRIOR TO CONNECTING

28. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE PROJECT SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR MUST IMMEDIATELY PROVIDE THE INFORMATION TO THE ENGINEER BEFORE DOING ANY WORK. OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK EFFECTED BY OMISSIONS OR DISCREPANCIES. IF THE CONTRACTOR FAILS TO SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO

1. ALL UTILITIES SHOWN ARE APPROXIMATE ONLY AND ARE DERIVED FROM EXISTING UTILITY MARKINGS, OLD SITE PLANS, UTILITY COMPANY MAPS, PRIVATE LOCATOR AND OBSERVED EVIDENCE.

ALL PIPE SIZES REFERENCED HEREON ARE SHOWN ACCORDING TO UTILITY COMPANY MAPS, OLD SITE PLANS AND OBSERVED EVIDENCE. ALL PIPE SIZES AND INVERTS SHOULD BE VERIFIED PRIOR TO ANY

3. PRIOR TO ANY EXCAVATION CONTRACTORS SHALL CALL THE TOLL FREE J.U.L.I.E. TELEPHONE NUMBER 1-800-892-0123. ALLOW 48 HOURS FOR LOCATIONS OTHER THAN EMERGENCY ASSISTANCE.

7. ITEMS INDICATED TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND STORED IN A LOCATION

8. ALL TREES AND BRUSH INDICATED TO BE REMOVED SHALL BE REMOVED COMPLETELY, INCLUDING

12. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE SAFETY AND SECURITY OF THE PROJECT SITE

1. JOINTS IN SIDEWALK SHALL BE TOOLED AT 5' MAX. INTERVALS, UNLESS INDICATED OTHERWISE. 2. NORTHING-EASTING COORDINATES AND DIMENSIONS FOR CURB AND GUTTER ARE TO FACE OF CONTRACTOR SHALL COORDINATE EQUIPMENT PADS WITH EQUIPMENT MANUFACTURERS.

SITE GRADING AND EROSION CONTROL:

- 1. ALL SUBGRADE EXCAVATION AND COMPACTION SHALL BE COMPLETED IN ACCORDANCE WITH THE "SOILS -REPORT" PREPARED BY _____, DATED _____,
- 2. ENGINEERED STRUCTURAL FILLS SHALL BE INCLUDED IN OVERALL SITE DEVELOPMENT TO PROVIDE ADEQUATE STRUCTURAL SUPPORT FOR THE FLOOR SLABS ON GRADE AND ADJOINING PAVEMENT AREAS. REFER TO THE GEOTECHNICAL REPORT FOR APPROVED FILL MATERIALS.
- 3. WHERE FIRM FOUNDATION MATERIAL IS NOT ENCOUNTERED AT THE GRADE ESTABLISHED, DUE TO UNSUITABLE SOIL, ALL SUCH UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH APPROVED COMPACTED GRANULAR MATERIAL.
- 4. TOPSOIL SHALL BE STRIPPED IN ALL STRUCTURAL FILL AREAS BEFORE PLACEMENT OF FILL MATERIAL AND SHALL BE STOCKPILED IN AREAS DESIGNATED BY THE OWNER OR PER PLAN.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM EARTHWORK CALCULATIONS BASED ON THE PROVIDED PLANS AND TO LAWFULLY DISPOSE OF AND REMOVE ANY EXCESS MATERIAL FROM THE PROJECT SITE, OR TO PROVIDE ANY NECESSARY FILL MATERIAL THAT MAY BE REQUIRED TO MEET THE FINAL PLAN GRADES. THE DISPOSAL OR PROVIDING OF MATERIAL SHALL BE INCIDENTAL TO THE CONTRACT.
- ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS URBAN MANUAL."
- 7. THE OWNER/ENGINEER SHALL PROVIDE THE SOIL EROSION AND SEDIMENT CONTROL PLANS INCLUDED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN BOOKLET AND ASSOCIATED DOCUMENTS IN ACCORDANCE WITH THE "GENERAL NPDES PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES," AND A COPY SHALL BE KEPT ONSITE AT ALL TIMES.
- 8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE INSTALLATION, ALL INSPECTIONS, AND MAINTENANCE OF ALL EROSION CONTROL FACILITIES REQUIRED BY THE GENERAL NPDES PERMIT UNTIL FINAL STABILIZATION OF ALL AREAS DISTURBED BY CONSTRUCTION OCCURS. MAINTENANCE AND REPLACEMENT OF EROSION CONTROL ITEMS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.
- 9. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY MUST BE SEEDED, SODDED, BLANKETED OR OTHERWISE PROTECTED WITHIN SEVEN (7) DAYS OF FINAL DISTURBANCE. ALL AREAS DISTURBED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THIS PROJECT WHICH ARE LOCATED OUTSIDE OF THE PROPOSED SEEDING LIMITS SHALL BE GRADED TO DRAIN, FERTILIZED, SEEDED, MULCHED AND WATERED. THE COST ASSOCIATED WITH THE PLACEMENT OF ADDITIONAL FERTILIZER, SEED, MULCH AND WATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. A MINIMUM OF 70% VEGETATIVE COVERAGE IS REQUIRED PRIOR TO ACCEPTANCE. SEE LANDSCAPE PLANS FOR ADDITIONAL REQUIREMENTS.
- 10. ALL EROSION CONTROL MEASURES SHOWN ON THE PLAN ARE THE MINIMUM MEASURES REQUIRED. UNFORESEEN CHANGES IN SCOPE, SCHEDULE OR CONSTRUCTION METHODS MAY RESULT IN CHANGES OR ADDITIONS TO THIS PLAN AND THE SWPPP. ANY CHANGES OR ADDITIONS NECESSARY TO MAINTAIN COMPLIANCE WITH THE NPDES PERMIT SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE VILLAGE OR ORLAND PARK.
- 11. SHOULD PROJECT SCHEDULING PROHIBIT THE ABILITY TO SEED DISTURBED EARTH UPON COMPLETION OF GRADING, CONTRACTOR SHALL EMPLOY ALTERNATE SOURCE CONTROLS IN ADDITION TO THOSE ON THIS PLAN, INCIDENTAL TO THE CONTRACT.
- 12. DUST CONTROL MUST BE PROVIDED AS NEEDED, BY WATERING OR OTHER MEANS.
- 13. ALL AREAS WITH THE EXCEPTION OF PAVEMENT SHALL BE FINISHED IN ACCORDANCE WITH THE LANDSCAPE PLANS INCLUDED IN THE PLAN SET.
- 14. CONTRACTOR SHALL INSTALL INLET FILTER PROTECTION BASKETS INSIDE ALL EXISTING AND PROPOSED MANHOLES AND INLET FRAMES.
- 15. CONTRACTOR IS REQUIRED TO PROVIDE AND USE A CONCRETE WASHOUT AREA FOR RINSING CONCRETE TRUCKS.
- 16. CONTRACTOR IS REQUIRED TO PROVIDE AND USE A TEMPORARY CONSTRUCTION ENTRANCE FOR ALL CONSTRUCTION TRAFFIC PER PLAN.
- 17. CONTRACTOR SHALL PROVIDE AND USE A WHEEL WASH SYSTEM TO ENSURE THAT ALL CONSTRUCTION TRAFFIC ENTERING AND EXITING THE SITE MAINTAIN CLEAN TIRES. ANY SEDIMENT TRACKED ONTO ADJACENT ROADWAYS OR PAVED AREAS SHALL BE REMOVED BY THE CONTRACTOR BY THE END OF THE SAME WORK DAY.
- 18. ALL ELEVATIONS SHOWN ARE TO FINISHED PAVEMENT UNLESS SPECIFIED OTHERWISE.
- 19. ALL SLOPES GREATER THAN OR EQUAL TO 4:1 SHALL BE STABILIZED WITH NAG \$75BN OR EQUIVALENT.
- 20. CONTRACTOR SHALL PROVIDE A MINIMUM OF 6" TOPSOIL IN ALL ISLANDS, LANDSCAPE AREAS, AND OPEN SPACES.

SITE UTILITIES:

- 1. THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS
- A. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) "STANDARD SPECIFICATIONS FOR ROAD AND В. BRIDGE CONSTRUCTION"
- C. VILLAGE OF ORLAND PARK OFFICE OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS ALL UTILITY TRENCHES UNDER OR WITHIN 2' OF EXISTING OR PROPOSED PAVEMENT OR BUILDING SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH IDOT SPECIFICATIONS.
- CONTROLLED LOW-STRENGTH MATERIAL (CLSM) SHALL BE USED TO BACKFILL TRENCHES WITHIN PUBLIC RIGHT OF WAY. THE CLSM SHALL EXTEND 2 FT PAST THE PROPOSED PAVEMENT, CURB, OR SIDEWALK.
- 3. OPEN CUT TRENCHES SHALL BE SHEETED AND BRACED AS REQUIRED BY THE GOVERNING STATE, FEDERAL LAWS AND MUNICIPAL ORDINANCES, AND AS MAY BE NECESSARY TO PROTECT LIFE, PROPERTY OR THE WORK.
- 4. CONTRACTOR SHALL AT ALL TIMES DURING CONSTRUCTION PROVIDE AND MAINTAIN SUFFICIENT MEANS AND DEVICES TO REMOVE AND PROPERLY DISPOSE OF ALL WATER ENTERING THE EXCAVATIONS. WATER SHALL BE FILTERED AND DISCHARGED IN ACCORDANCE WITH THE NPDES REQUIREMENTS.
- ALL PIPE SHALL BE INSTALLED ON A BEDDING OF APPROVED, COMPACTED GRANULAR MATERIAL UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE BEDDING MATERIAL SHALL BE INSTALLED PER STANDARD SPECIFICATIONS AND PROVIDED PLAN DETAILS.
- 6. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET SHALL BE MAINTAINED BETWEEN ALL WATER MAINS AND SEWERS. IF SEPARATION IS NOT POSSIBLE, WATER MAIN ENCASEMENT SHALL BE REQUIRED OR THE SEWER SHALL BE CONSTRUCTED OF WATER MAIN QUALITY PIPE.
- 7. WATER MAINS SHALL CROSS ABOVE SEWERS WITH A MINIMUM VERTICAL SEPARATION OF 18 INCHES WHILE STILL MAINTAINING THE REQUIRED DEPTH OF COVER. IF PROPER SEPARATION IS NOT POSSIBLE, OR IF THE WATER MAIN MUST BE ROUTED UNDER THE SEWER, WATER MAIN ENCASEMENT SHALL BE REQUIRED OR THE SEWER SHALL BE CONSTRUCTED OF WATER MAIN QUALITY PIPE.
- 8. ALL SANITARY SEWERS SHALL BE TESTED FOR EXFILTRATION OF AIR UNDER PRESSURE, INFILTRATION OF WATER, AND/OR EXFILTRATION OF WATER AS PER STANDARD SPECIFICATIONS. ALL SANITARY SEWERS SHALL BE DEFLECTION TESTED NO SOONER THAN 30 DAYS AFTER INSTALLATION. ALL MANHOLES SHALL BE TESTED FOR WATERTIGHTNESS BY EITHER ASTM C 969 OR ASTM C 1244.
- 9. STORM SEWER SHALL BE IN CONFORMANCE WITH THE VILLAGE OR ORLAND PARK LAND DEVELOPMENT CODE SECTION 6-409.F:
- HDPE PIPE ASTM F2648, ASTM F477, FITTINGS PER ASTM F2306.
- REINFORCED CONCRETE ARCH CULVERT PIPE DOUBLE LINE REINFORCEMENT, MINIMUM CLASS 3, ASTM C506.
- g. REINFORCED CONCRETE ELLIPTICAL CULVERT PIPE -MINIMUM CLASS HE-III OR VE-III, ASTM C507. h. PVC UNDERDRAIN PIPE (4", 6", AND 8") - ASTM D2729, SDR35. (AMD. ORD. 5653 - 11/1/21)
- B. SEWER PIPE JOINTS.
- a. ABS PIPE ASTM C443. b. PVC PIPE - ASTM D3212, PUSH ON TYPE, EXCEPT UNDERDRAIN PIPE WHICH SHALL HAVE SOLVENT WELDED JOINTS.
- REINFORCED CONCRETE PIPE ASTM C443. ("O" RING) d. REINFORCED ARCH OR ELLIPTICAL PIPE - ASTM C877.

- C. CASING PIPES FOR AUGERED SLEEVES. STEEL PIPE ASTM A120, 3/8" MINIMUM THICKNESS.
- D. MANHOLES AND CATCH BASINS. (EXHIBIT NOS. STS-01 AND STS-02)
- PRECAST REINFORCED CONCRETE ASTM C478 AND ASTM C443.
- c. SIZE: FOR SEWER 18" DIAMETER OR LESS, MANHOLE SHALL HAVE A 48" INSIDE DIAMETER. FOR SEWER 21" TO 36" DIAMETER, MANHOLE SHALL HAVE A 60" INSIDE DIAMETER.
- FOR SEWER GREATER THAN 36" DIAMETER, MANHOLE SHALL HAVE AN OFFSET RISER PIPE OF 48" INSIDE DIAMETER. d. ADJUSTMENT: NO MORE THAN TWO (2) PRECAST CONCRETE ADJUSTING RINGS WITH SIX (6) INCH MAXIMUM HEIGHT
- ADJUSTMENT SHALL BE ALLOWED
- e. PIPE AND FRAME SEALS: ALL PIPE CONNECTION OPENINGS SHALL BE PRECAST WITH RESILIENT RUBBER WATER TIGHT PIPE TO MANHOLE SLEEVES OR SEALS. EXTERNAL FLEXIBLE WATER TIGHT SLEEVES SHALL ALSO EXTEND FROM THE MANHOLE CONE TO THE
- MANHOLE FRAME f. BOTTOM SECTIONS: ALL BOTTOM SECTIONS SHALL BE MONOLITHICALLY PRECAST INCLUDING BASES AND INVERT FLOWLINES. E. INLETS. (EXHIBIT NO. STS 05).
- a. PRECAST REINFORCED CONCRETE ASTM C478 AND ASTM C443.
- b. SIZE: INLETS SHALL HAVE 24" INSIDE DIAMETER AND A MAXIMUM DEPTH OF FOUR (4) FEET
- c. ADJUSTMENT: NO MORE THAN TWO (2) PRECAST CONCRETE ADJUSTING RINGS WITH SIX (6) INCH MAXIMUM HEIGHT ADJUSTMENT SHALL BE ALLOWED
- d. ONLY ONE (1) PIPE CONNECTION IS ALLOWED AND IT SHALL BE PRECAST WITH RESILIENT RUBBER WATER TIGHT PIPE TO
- MANHOLE SLEEVES OR SEALS. e. BOTTOM SECTIONS: ALL BOTTOM SECTIONS SHALL BE MONOLITHICALLY PRECAST INCLUDING BASES AND INVERT FLOWLINES.
- F. CASTINGS
- a. MANHOLE FRAME AND COVER EAST JORDAN IRON WORKS, INC. #1022Z3, 1020A HD. b. MANHOLE STEPS EAST JORDAN IRON WORKS, INC. #8518
- c. SIX (6) INCH CURB AND CATCH BASIN INLET EAST JORDAN IRON WORKS, INC. #1051Z3 AND 1020M1 GRATE.
- d. THREE (3) INCH INLET AND CATCH BASIN INLET EAST JORDAN IRON WORKS, INC. #7525Z FRAME AND 7525M GRATE.
- e. YARD INLET EAST JORDAN IRON WORKS, INC. #6527 GRATE. G. CRUSHED GRANULAR BEDDING. (EXHIBIT NO. STS 11). CRUSHED GRAVEL OR CRUSHED STONE COURSE AGGREGATE ASTM C33, SIZE NO. 67.
- H. HEADWALLS AND PRECAST END SECTIONS (EXHIBIT NOS. STS 08, STS 09). ALL PIPES SHALL TERMINATE AT REINFORCED CONCRETE HEADWALLS OR PRECAST END SECTIONS.
- 10. SANITARY SEWER SHALL BE IN CONFORMANCE WITH THE FOLLOWING
- PIPE AND FITTING MATERIAL POLYVINYL CHLORIDE (PVC) SDR 26, ASTM D 3034, TYPE PSM
- GASKETS FLEXIBLE ELASTOMERIC, ASTM F 477, ASTM D 3139
- C. JOINTS ASTM D 3212
- D. BEDDING CLASS II, ASTM 2321
- 11. ALL CLEANOUT RIMS SHALL BE CONSTRUCTED FLUSH WITH THE FINISHED GROUND SURFACE.
- 12. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF SANITARY SEWER SERVICES WITH THE DEPARTMENT OF PUBLIC WORKS.
- 13. CONTRACTOR SHALL COORDINATE WATER MAIN, FIRE AND DOMESTIC WATER SERVICES WITH THE DEPARTMENT OF PUBLIC WORKS.
- 14. GENERAL CONTRACTOR SHALL COORDINATE ALL UTILITY LINES THAT ENTER THE BUILDING. IN GENERAL, PLUMBING PLANS SHOW ALL INTERIOR BUILDING PIPING AND PIPING UP TO 5-FEET OUTSIDE THE BUILDING. CIVIL PLANS SHOW SITE PIPING BEGINNING FROM 5-FEET OUTSIDE THE BUILDING. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY CONNECTIONS.
- 15. CONTRACTOR SHALL COORDINATE ALL UTILITY LINE CROSSINGS TO ENSURE ALL PIPES MAINTAIN MINIMUM COVER, MINIMUM CLEARANCES, AND PROPER SEPARATION. GRAVITY LINES SHALL HAVE PRECEDENCE OVER PRESSURIZED LINES.
- 16. ALL TRENCH BACKFILL SHALL BE IMPORTED GRANULAR MATERIAL UNLESS EXISTING GRANULAR MATERIALS ARE SPECIFICALLY APPROVED BY THE OWNER'S REPRESENTATIVE.
- 17. ALL MANHOLES AND INLET CASTINGS LOCATED WITHIN BITUMINOUS ASPHALT PAVEMENT SHALL BE CONSTRUCTED WITH A CONCRETE APRON AT THE SURFACE.
- 18. FOR ALL WATERMAIN CONSTRUCTION:
 - WATER MAIN AND SERVICES TO BE INSTALLED WITH A MINIMUM OF 5'-6" OF COVER FROM FINISHED GRADE TO TOP OF WATER PIPE.
- B. TWO COMPLETE PIPE LENGTHS OF RESTRAINED JOINT PIPE SHALL BE CONSTRUCTED ON THE BRANCH LEG OF ALL TEES AND BOTH SIDES OF ALL 90 DEGREE BENDS.
- ONE COMPLETE PIPE LENGTH OF RESTRAINED JOINT PIPE SHALL BE CONSTRUCTED ON BOTH SIDES OF ALL 11-1/4 AND 22-1/2 DEGREE BENDS.
- D. ALL BENDS, TEES, PLUGS, VALVES AND HYDRANTS SHALL BE RESTRAINED JOINT.
- E. ALL WATERMAIN PIPE 4" AND LARGER SHALL BE POLY WRAPPED DUCTILE IRON PIPE SPECIAL CLASS 52, 250 PSI RATING, WITH SINGLE GASKET JOINTS. CEMENT LINING SHALL BE PROVIDED FOR ALL PIPE.
- ALL WATER SERVICE PIPE LESS THAN 4" SHALL BE COPPER PIPE, TYPE K OR PVC SDR 9 WITH A F. PRESSURE RATING OF 200 PSI.

INDEMNIFICATION:

1. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER, THE VILLAGE OF ORLAND PARK, AND WOLFPACK CONSULTING, LLC FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES. INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE CONTRACTOR'S WORK. IN ANY AND ALL CLAIMS AGAINST THE OWNER OR WOLFPACK CONSULTING, LLC BY ANY EMPLOYEE OF THE CONTRACTOR, OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THE CONTRACTOR, OR ANYONE FOR WHOSE ACTS THE CONTRACTOR MAY BE LIABLE, THE INDEMNIFICATION OBLIGATION SHALL NOT BE LIMITED IN ANY WAY BY ANY LIMITATION ON THE AMOUNT OF DAMAGES, COMPENSATION OR BENEFITS PAYABLE BY OR FOR THE CONTRACTOR UNDER WORKER'S COMPENSATIONS ACTS, DISABILITY BENEFIT ACTS OR OTHER EMPLOYEE BENEFIT ACTS.

INSURANCE REQUIREMENTS

- 1. THE CONTRACTOR SHALL PURCHASE AND MAINTAIN COMPREHENSIVE GENERAL LIABILITY AND OTHER INSURANCE SET FORTH BELOW WHICH WILL PROVIDE PROTECTION FROM CLAIMS WHICH MAY ARISE OUT OF OR RESULTING FROM THE PERFORMANCE OF WORK BY ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THE CONTRACTOR OR BY ANYONE FOR WHOSE ACTS THE CONTRACTOR MAY BE LIABLE.
- A. COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE COVERING ALL AUTOMOBILES, TRUCKS,
- TRAILERS AND ANY OTHER MOTORIZED EQUIPMENT OWNED OR LEASED BY THE CONTRACTOR. WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE IN ANY AMOUNT NOT LESS В. THAN STATUTORY LIMITS REQUIRED BY LAW.
- COMPREHENSIVE GENERAL LIABILITY INSURANCE INCLUDING COVERAGE IN THE AMOUNT OF С. \$500,000 PER ACCIDENT FOR PROPERTY DAMAGE AND \$1,000,000 PER PERSON AND \$3,000,000 AGGREGATE PER ACCIDENT FOR BODILY INJURY, SICKNESS OR DISEASE, OR DEATH OF ANY PERSON.
- 2. CERTIFICATE OF INSURANCE
 - THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL HE HAS FILED WITH THE MUNICIPALITY AND ITS INSPECTOR A CERTIFICATE OF INSURANCE SHOWING COMPLETE COVERAGE OF ALL INSURANCE REQUIRED, SIGNED BY THE INSURANCE COMPANIES OR THEIR AUTHORIZED AGENTS. EACH CERTIFICATE SHALL PROVIDE THAT COVERAGE SHALL NOT BE TERMINATED OR REDUCED WITHOUT 30 DAYS ADVANCE WRITTEN NOTICE TO THE MUNICIPALITY AND ITS INSPECTOR. THE CONTRACTOR SHALL NAME THE OWNER, THE VILLAGE OF ORLAND PARK AND WOLFPACK CONSULTING, LLC AS ADDITIONAL INSUREDS ON THE COMPREHENSIVE GENERAL LIABILITY AND AUTOMOBILE LIABILITY POLICIES.

CONSTRUCTION MEANS, METHODS, SAFETY

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS, INCLUDING OSHA STANDARDS AND WITH ANY OTHER APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR TO PROTECT THEM FROM DAMAGE, INJURY OR LOSS. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT AND SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS UTILIZED BY THE CONTRACTOR AND HIS SUB-CONTRACTORS IN THE PERFORMANCE OF THEIR WORK AND SHALL TAKE ANY OTHER ACTIONS NECESSARY TO PROTECT THE LIFE AN HEALTH OF EMPLOYEES ON THE JOB AND THE SAFETY OF THE PUBLIC AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES, EQUIPMENT, AND FOR SAFETY PRECAUTIONS OR PROGRAMS, UNLESS SUCH MEANS AND EQUIPMENT ARE SPECIFIED IN THESE CONTRACT DOCUMENTS, UTILIZED IN THE PERFORMANCE OF WORK ON THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH SECTION 108.06 LABOR, METHODS, AND EQUIPMENT OF THE "STANDARD SPECIFICATIONS."
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- PROJ. NUMBER:



SHADE T	REES					
KEY	QTY	SIZE	SPECIES	COMMON	CONDITION*	NOTES
AC-1	1	8"	Acer x freemanii	Freeman Maple	5	
AC-2	1	8"	Acer x freemanii	Freeman Maple	5	
AC-3	1	9"	Acer x freemanii	Freeman Maple	4	
AC-4	1	8"	Acer x freemanii	Freeman Maple	5	
AC-5	1	8"	Acer x freemanii	Freeman Maple	4	
AC-6	1	8"	Acer x freemanii	Freeman Maple	4	
AC-7	1	3"	Acer x freemanii	Freeman Maple	5	
AC-8	1	3"	Acer x freemanii	Freeman Maple	5	
AC-9	1	3"	Acer x freemanii	Freeman Maple	5	
AC-10	1	3"	Acer x freemanii	Freeman Maple	5	
AC-11	1	8"	Acer x freemanii	Freeman Maple	4	
AC-12	1	6"	Acer x freemanii	Freeman Maple	5	
AC-13	1	6"	Acer x freemanii	Freeman Maple	5	
AC-14	1	7"	Acer x freemanii	Freeman Maple	5	
AC-15	1	7"	Acer x freemanii	Freeman Maple	5	
AC-16	1	7"	Acer x freemanii	Freeman Maple	5	
AC-17	1	7"	Acer x freemanii	Freeman Maple	5	
AC-18	1	8"	Acer x freemanii	Freeman Maple	5	
AC-19	1	7"	Acer x freemanii	Freeman Maple	5	
AC-20	1	9"	Acer x freemanii	Freeman Maple	5	
TI-10	1	10"	Tilia cordata	Littleleaf Linden	4	
ORNAME	INTAL	TREES				
MA-1	1	12"	Malus spp.	Crabapple	5	
MA-2	1	9"	Malus spp.	Crabapple	5	
MA-3	1	9"	Malus spp.	Crabapple	4	
MA-4	1	7"	Malus spp.	Crabapple	4	
MA-5	1	3"	Malus spp.	Crabapple	4	MULTISTEMFORM
MA-6	1	3"	Malus spp.	Crabapple	3	MULTISTEMFORM
MA-7	1	3"	Malus spp.	Crabapple	4	MULTISTEMFORM
MA-8	1	3"	Malus spp.	Crabapple	4	MULTISTEMFORM
MA-9	1	3"	Malus spp.	Crabapple	4	MULTISTEMFORM
MA-10	1	10"	Malus spp.	Crabapple	4	
MA-11	1	12"	Malus spp.	Crabapple	4	
MA-12	1	8"	Malus spp.	Crabapple	4	
DECIDUC	DUS SH	HRUBS	1	-1	1	
FOSP	15	36" HT	Forsythia sp.	Forsythia	3 - 4	
EVERGR	EEN SI	HRUBS		- 1		
JUSP	20	24-30" ht	Juniperus sp.	Juniper	3 - 5	
TADE	2	24" ht.	Taxus densiformis	Dense Yew	4	

*CONDITION KEY

TREES TO BE REMOVED (TREE MITIGATION)

SHADE TREES						
KEY	QTY	SIZE	SPECIES	COMMON	CONDITION*	MITIGATION
TI-1	1	10"	Tilia cordata	Littleleaf Linden	3	1 TREE
TI-2	1	9"	Tilia cordata	Littleleaf Linden	2	1 TREE
TI-3	1	10"	Tilia cordata	Littleleaf Linden	2	1 TREE
TI-4	1	9"	Tilia cordata	Littleleaf Linden	2	1 TREE
TI-5	1	10"	Tilia cordata	Littleleaf Linden	3	1 TREE
TI-6	1	11"	Tilia cordata	Littleleaf Linden	2	1 TREE
TI-7	1	9"	Tilia cordata	Littleleaf Linden	3	1 TREE
TI-8	1	10"	Tilia cordata	Littleleaf Linden	2	1 TREE
TI-9	1	7"	Tilia cordata	Littleleaf Linden	3	1 TREE
TOTAL N	IITIGA	TION TREES				9 TREES

EXISTING PLANT SCHEDULE (TO REMAIN)

5 = EXCELLENT; 4 = GOOD; 3 = FAIR; 2 = POOR; 1 = CRITICAL





TRE SHR ORN

	Common Name	Height	Container
ïs	Hackberry	2.5" cal	B&B
thos var. inermis "Skycole'	Skyline Honeylocust	2.5" cal	B&B
oica	Kentucky Coffeetree	2.5" cal	B&B
	Swamp White Oak	2.5" cal	B&B
านฑ	Baldcypress	2.5" cal	B&B
<i>vis</i> 'Cumulus'	Cumulus Serviceberry	2.5" cal	B&B
arpa var. 'Elata'	Black Chokeberry	24" ht.	#5 container
lsanti'	Isanti Redtwig Dogwood	24" ht.	#3 container
tifolius	Peking Cotoneaster	24" ht.	#3 container
lor'	Show Off Forsythia	24" ht.	#3 container
a 'Neon Flash'	Neon Flash Spirea	24" ht.	#5 container
cisa 'Crispa'	Cutleaf Stephanandra	24"ht.	#5 container
		1	
Velvet'	Green Velvet Boxwood	18" w	B&B
ontalis 'Blue Chip'	Blue Chip Juniper	18" w	#5 container
rundinacea var brachytricha	Korean Feather Reed Grass		#1 container
nica	Oak Sedge		#1 container
a	Brown Fox Sedge		#1 container
latifolium	Northern Sea Oats		#1 containe
espitosa	Tufted Hair Grass		#1 container
Elijah Blue'	Elijah Blue Fescue		#1 container
pecuroides 'Hameln'	Dwarf Fountain Grass		#1 containe
rolepis	Prairie Dropseed		#1 container
		,	
tris	Snowdrop Anemone		#1 container
rwať	Rozanne Geranium		#1 container
	Harlequin Blue Flag		#1 container
tum 'White Nancy'	White Nancy Deadnettle	3" nlug	10 tray
			#1 container
oile 'Autumn Fire'	Autumn Fire Stonecrop		#1 container
'Glory'	Glory Speedwell		#1 container
I Fescue Sod	Black Beauty Tall Fescue Sod	n/a	n/a

2 Plant material shall be guaranteed for a period of one year from the time of acceptance. Any plant material replaced as part of guarantee shall be guaranteed for a period of one year from date of replacement. Contractor shall notify Owner of any maintenance deficiancies which may impact

3 Contractor is responsible for staking and guying trees as necessary to maintain upright position.

	LANDSC	APE CODE SUMMAR	Y
ATION	LENGTH/AREA	PLANT MATERIAL REQUIRED	PLANT MATERIAL PROVIDED
IDSCAPE PAP	RKWAYS (6-305.D.2)	·	
ARLEMAVE	195.5 LF	4.9 Trees	4 Trees to Remain
57TH ST	193.5 LF	4.8 Trees	4 Shade Trees
ISTCT	195.5 LF	4.9 Trees	0 Shade Trees - site does not provide space
IDSCAPE CO	RRIDORS (6-305.D.3)		
ARLEMAVE	195.5 LF	3.9 Snade Trees 3.9 Ornamental or Evergreen	8 Shade Trees to Remain 1 Orn Tree to Remain
57TH ST	193.5 LF	1.9 Ornamental or Evergreen	6 Shade Trees to Remain 3 Orn Tree to Remain
ISTCT	195.5 LF	1.9 Ornamental or Evergreen	3 Orn/ Small Shade Trees Proposed
IDSCAPE BUR	FERYARDS (6-305.D	.4)	
TH	193.5 LF	5.8 Shade Trees 1.9 Ornamental or Evergreen 30.9 Shrubs	9 Shade Trees to Remain 6 Orn Trees to Remain 6 Shrubs to Remain 22 New Shrubs
INDATION AN	ID INTERIOR LANDS	CAPE (6-305.D.5)	
.DING E	221.5 LF	2.2 Ornamental Trees 35.4 Shrubs	see plans and summary
RIOR LOT	37,829 SF	3.8 Trees	see plans and summary
	-	•	

RKING LOT ISLAND (6-305.D.6a2)		
BER OF PARKING SPACES	40	
UIRED ISLANDS	4	
WIDED ISLANDS	4	
UIRED PARKING ISLAND TREES	4	
WIDED PARKING ISLAND TREES	3	Island at northwest corner planted as rain garden in lieu of island tree.

TREE MITIGATION (6-305.F.3) MITIGATION TREES REQUIRED

EE SHEET L1.0)	9	

/	N	IA	\F	2	Y

FEGORY	REQUIRED	TO REMAIN	ADDITIONAL PROVIDED	TOTAL PROVIDED
ADE TREES	44.9	21	17	38
NAMENTAL EES/EV TREES	11.8	12	4	16
RUBS/ N. GRASSES	66.3	0	278	278

REVISIONS	6/14/22 REVISED PER VILLAGE REVIEW	7/20/22 REVISED PER VILLAGE REVIEW	7/29/22 REVISED PER VILLAGE REVIEW	10/12/22 REVISED PER VILLAGE REVIEW				
SUSTAINABLE DESIGN SUSTAINABLE LIVING			CONSULTING, LLC Land Surveying Stormwater Management			418 South Cass Avenue, Westmont, IL 60559 Office: (630) 964-3117 • wolfpackdg.com		
LANDSCAPE PLAN AND TABLE			RAINBOW CONE		15711 S HARLEM AVE, ORLAND PARK			
PF PF DF DA	PROJ. MGR.: PJW PROJ. ENG.: KM DRAWN BY: MD DATE: 04-19-22 SCALE: 1"=20' SHEET NO. I 2 0							

PROJ. NUMBER: