CIVIL DRAWING INDEX					
SHEET	DESCRIPTION	DATE			
T-1.0	TITLE SHEET	11-30-22			
C-1.0	SITE GEOMETRIC / DEVELOPMENT PLAN	11-30-22			
C-2.0	SITE GRADING PLAN	11-30-22			
C-3.0	STORM WATER POLLUTION PREVENTION PLAN	11-30-22			
C-3.1	STORM WATER POLLUTION PREVENTION DETAILS	11-30-22			
C-4.0 - 4.1	PROJECT SPECIFICATIONS	11-30-22			
SUR-1	TOPOGRAPHIC SURVEY	9-29-22			

BENCHMARKS:

SITE BENCHMARK #I - ARROW BOLT ON HYDRANT EAST OF PARKING LOT, IIB' SOUTHEAST OF WATER TANK AS SHOWN. ELEVATION=844.01' (NAVD88)

BEACON POINT PARK 5857 CHATHAM DRIVE HOFFMAN ESTATES, IL 60192



SECTION 5 TOWNSHIP 41N RANGE 9E

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CIVIL ENGINEERING STATEMENT AND SEAL

I, TODD ABRAMS, P.E., DULY LICENSED IN THE STATE OF ILLINOIS BY THE DEPARTMENT OF FINANCIAL AND PROFESSIONAL REGULATION, DO HEREBY STATE THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF DOES CONFORM TO THE APPLICABLE BUILDING CODES AND ORDINANCES, AND ARE IN COMPLIANCE WITH THE ENVIRONMENTAL BARRIERS ACT [410 ILCS 25] AND THE ILLINOIS ACCESSIBILITY CODE (71 ILL. ADM. CODE 400).

TODD ABRAMS - ILLINOIS P.E. # 062-061600 DATE OF EXPIRATION - NOVEMBER 30, 2022

date: 11-30-2022



CALL JULIE SIMPLY 811 OR TOLL FREE 1(800)892-0123 OPERATES 24 HOURS A DAY 365 DAYS A YEAR



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CONTRACTOR MUST LOCATE PRIVATE UTILITIES IN AREA OF CONSTRUCTION PRIOR TO PROCEEDING WITH WORK





SITE GEOMETRIC NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 9-29-22, PREPARED BY W-T GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. ALL DIMENSIONS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.
- C. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.
- D. SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRIES. . CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE
- RESPONSIBILITY OF THE CONTRACTOR.
- F. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- G. CONTRACTOR SHALL CONTACT J.U.L.I.E. (BII OR I-800-892-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- H. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1095.02 OF THE IDOT STANDARD SPECIFICATIONS.
- I. ALL PAINTED CURB ON SITE TO BE REPAINTED FOLLOWING RESURFACING OF THE PARKING LOT. MATCH EXISTING COLOR, REPAINT WITH HIGH QUALITY PAINT.

SITE DEVELOPMENT NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 9-29-22, PREPARED BY W-T GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- B. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.
- C. SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL
- BUILDING ENTRIES. D. CONTRACTOR SHALL COORDINATE ALL LANDSCAPING
- IMPROVEMENTS WITH LANDSCAPE PLANS.
- E. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- F. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE
- NOTED. G. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE
- OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER. H. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1095.02 OF THE IDOT STANDARD SPECIFICATIONS.
- I. CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL, SEED, AND EROSION CONTROL BLANKET. J. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT , CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS.
- REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER. K. CONTRACTOR SHALL RE-STRIPE ALL STRIPING DISTURBED WITHIN THE EXISTING ROADWAYS/PARKING LOT TO MATCH EXISTING.
- L. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT
- THE SITE ENGINEER IF A CONFLICT EXISTS. M. ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- N. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS AGGREGATE BASE COURSE FOR THE NEW PAVEMENT SECTION.



NEW ASPHALT PAVEMENT 2" HMA SURFACE COURSE 8" CA-6

PROJECT NOTES

I. NEW ASPHALT PAVEMENT.







C-1.0 SITE GEOMETRIC / DEVELOPMENT PLAN

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SITE GRADING NOTES:

- · cpsir · A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE TOPOGRAPHIC SURVEY LAST DATED 9-29-22, PREPARED BY W-T GROUP. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. B. ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED
 - ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT THICKNESS.
 - C. CONTRACTOR SHALL CONTACT J.U.L.I.E. (BII OR I-800-892-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
 - D. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT. E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
 - CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
 - G. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
 - H. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED. ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL <u>SLOPE OF 5.00%. ACCESSIBLE PARKING STALLS SHALL MAINTAIN A MAXIMUM SLOPE</u> OF 2.00% IN ALL DIRECTIONS.
 - VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT
 - K. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY
 - MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE
 - GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS. N. ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM THE SITE AND LEGALLY DISPOSED OF.
 - O. CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR CONTRACT.
 - P. EXISTING PAVEMENT AGGREGATE BASE COURSE SHALL NOT BE RE-USED AS AGGREGATE BASE COURSE FOR THE NEW PAVEMENT SECTION.

CDADING LECEND

GRADI	NG LEGEND
+000.00	EXISTING SPOT GRADE
000.00	PROPOSED SPOT GRADE
* 000.00	INTERPOLATED SPOT GRADE
000.00	PROPOSED RIM ELEVATION
000	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	OVERLAND FLOW ARROW
\longrightarrow	100 YEAR OVERLAND FLOW ROUTE
	EMERGENCY OVERFLOW ARROW
TP	TOP OF PAVEMENT ELEVATION
ТМ	TOP OF SIDEWALK ELEVATION
6	FINISHED GRADE ELEVATION
FF	FINISHED FLOOR ELEVATION
тс	TOP OF CURB ELEVATION
FL	FLOW LINE ELEVATION
ADJUST	ADJUST EXISTING RIM ELEVATION
0	EXISTING CLOSED MANHOLE
0	EXISTING OPEN GRATE MANHOLE
•	EXISTING BEEHIVE GRATE MANHOLE
	EXISTING CURB INLET
q	EXISTING FIRE HYDRANT
8	EXISTING VALVE VAULT
8	EXISTING B-BOX
(9)	PROPOSED FIRE HYDRANT
	PROPOSED VALVE WITH VAULT
	PROPOSED B-BOX
	PROPOSED INLET
	PROPOSED OPEN LID MANHOLE / CATCH BASIN
\mathbf{O}	PROPOSED CLOSED LID MANHOLE
	PROPOSED RESTRICTOR STRUCTURE
•	PROPOSED NYLOPLAST DRAIN BASIN
A	PROPOSED FLARED END SECTION
•	PROPOSED GREASE TRAP

PAVEMENT SECTIONS

NEW ASPHALT PAVEMENT 2" HMA SURFACE COURSE 8" CA-6



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DRAWN:TEP JOB: C2200072

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SWPPP NOTES:

- cpsir
- A. ALL DISTURBED GREEN SPACES ON THE SITE SHALL BE RESTORED ACCORDING TO THE SEED BED PREPARATION SPECIFICATIONS BELOW AND BLANKETED OR MATTED AS SHOWN
- ON THE PLANS. B. TEMPORARY OR PERMANENT STABILIZATION SHALL OCCUR IMMEDIATELY WHENEVER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE. TEMPORARY STABILIZATION SHALL CONSIST OF THE INSTALLATION OF TEMPORARY SEEDING.
- C. CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION ENTRANCES AS NECESSARY TO EXCAVATE AREAS AND HAUL SOILS ON-SITE. TRACKING OF DEBRIS ON SITE WILL NOT BE TOLERATED. ANY DEBRIS LEFT OUTSIDE OF THE PROJECT LIMITS MUST BE CLEANED IMMEDIATELY.
- D. EROSION CONTROL BLANKETS AND TURF REINFORCEMENT MATS SHALL BE INSTALLED USING 6" BIO-STAKES AS MANUFACTURED BY NORTH AMERICAN GREEN. METAL STAKES AND STAPLES ARE PROHIBITED.
- E. CONTRACTOR SHALL PROVIDE ALL NECESSARY MAINTENANCE FOR THE SEDIMENT AND EROSION CONTROL MEASURES FOR THE DURATION OF THE PROJECT.
- F. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTIONS, INSPECTION REPORTS, CORRECTIVE ACTION FORMS, SWPPP AMENDMENT LOGS, SUBCONTRACTOR CERTIFICATIONS/AGREEMENTS, GRADING AND STABILIZATION ACTIVITIES LOGS, SWPPP TRAINING LOGS, AND DELEGATION OF
- AUTHORITY FORMS FOR THE DURATION OF THE PROJECT. G. CONTRACTOR SHALL PROVIDE COPIES OF ALL SWPPP REPORTS, FORMS, AND LOGS TO THE WT GROUP ONCE THE SITE HAS BEEN STABILIZED. THE CONTRACTOR SHALL MAINTAIN THESE DOCUMENTS FOR A PERIOD OF 3 YEARS FROM THE FINAL STABILIZATION OF THE SITE.
- H. FOLLOWING THE REMOVAL OF THE SILT FENCE, THE CONTRACTOR SHALL RESTORE THE THE SILT FENCE TRENCH WITH SOD.
 I. CONTRACTOR SHALL INITIATE STABILIZATION OF ALL DISTURBED AREAS WITHIN ONE CALENDAR DAX
- AREAS WITHIN ONE CALENDAR DAY. J. SEED BED PREPARATION:
- J.A. ALL STONES, ROCKS, DEBRIS LARGER THAN I" IN DIAMETER SHALL BE REMOVED.
- J.B. DISK OR TILL TOPSOIL TO A DEPTH OF 3" AND REDUCE ALL SOIL PARTICLES TO NO LARGER THAN 2". THE SURFACE SHALL BE FREE OF WEEDS, STONES, ROCKS, STICKS, GULLIES, CLODS, AND DEBRIS. J.C. THE AREA SHALL BE FINE GRADED.
- J.C. THE AREA SHALL BE FINE GRADED. J.D. THE SEED SHALL BE PLACED INTO THE SOIL WITH A MACHINE THAT MECHANICALLY PLACES THE SEED IN DIRECT CONTACT WITH THE SOIL AND COVERS THE SEED WITH THE SOIL.
- J.E. BROADCAST AND HYDROSEED WILL NOT BE ALLOWED. J.F. SEEDED AREAS SHALL BE COVERED WITH THE EROSION
- BLANKET RIGHT AFTER THE SEED HAS BEEN SOWN. J.G. ANY SOIL AMENDMENTS NEEDED TO ACHIEVE A 90% HEALTHY STAND OF VEGETATION WILL BE ADDED TO THE SOIL AT NO EXTRA CHARGE TO THE OWNER. THE STAND OF VEGETATION WILL NEED TO BE ACCEPTED BY THE ENGINEER.
- J.H. THE SEED MIX SHALL BE KENTUCKY BLUEGRASS IOOLBS/ACRE, REVENGE PERENNIAL RYEGRASS 60 LBS/ACRE, ANNUAL RYE 40 LBS/ACRE AND CREEPING RED FESCUE 40 LBS/ACRE TOTAL.

SWPPP LEGEND

+000.00	EXISTING SPOT GRADE
000	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	OVERLAND FLOW ARROW
$\sim \rightarrow$	100 YEAR OVERLAND FLOW ROUTE
	EMERGENCY OVERFLOW ARROW
ADJUST	ADJUST EXISTING RIM ELEVATION
0	EXISTING CLOSED MANHOLE
⊜	EXISTING OPEN GRATE MANHOLE
(3)	EXISTING BEEHIVE GRATE MANHOLE
	EXISTING CURB INLET
Q	EXISTING FIRE HYDRANT
(<u>©</u>)	EXISTING VALVE VAULT
8	EXISTING B-BOX
۲	TREE PROTECTION
	SILT FENCE
\bigotimes	FLEXSTORM CATCH-IT INLET PROTECTION



FINE GRADE, FERTILIZE, AND SEED. INSTALL DS75 EROSION CONTROL BLANKET WITH 6" <u>BIO-STAKES</u> AS MANUFACTURED BY NORTH AMERICAN GREEN. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE SWPP NOTE K AND L.

STABILIZED CONSTRUCTION ENTRANCE





DRAWN:TEP JOB: C2200072

C-3.0 STORM WATER POLLUTION PREVENTION PLAN

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GENERAL NOTES

- I. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING:
- ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
- I.2. "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" LATEST EDITION.
- I.3. "ILLINOIS URBAN MANUAL," LATEST EDITION.
- I.4. BUILDING CODES AND ORDINANCES OF THE LOCAL GOVERNING AUTHORITIES. 1.5. UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND
- HEALTH ADMINISTRATION (OSHA) REGULATIONS, 29 CFR PART 1926, "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION."
- I.6. ILLINOIS DRAINAGE LAW.
- 1.7. ILLINOIS ENVIRONMENTAL BARRIERS ACT.
- I.8. ILLINOIS ACCESSIBILITY CODE.
- I.9. ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REQUIREMENTS.
- I.IO. TITLE 35 OF THE ILLINOIS ADMINISTRATIVE CODE.
- 2. ALL REQUIRED PERMITS FROM THE APPROPRIATE GOVERNING AGENCY(S) SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE ALL NECESSARY REPAIRS AT HIS EXPENSE AND TO THE SATISFACTION OF THE GOVERNING AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNAGE AND TRAFFIC CONTROL DEVICES TO INFORM AND PROTECT THE PUBLIC.
- 3. CONTRACTOR SHALL NOTIFY THE LOCAL ENGINEERING OR PUBLIC WORKS DEPARTMENT AND/OR OTHER GOVERNING AUTHORITY(S) 48 HOURS PRIOR TO COMMENCING CONSTRUCTION ON EACH MAJOR CATEGORY OF WORK. INCLUDING BUT NOT LIMITED TO, ANY PUBLIC IMPROVEMENTS, ROADWAY CLOSURES OR UTILITY INSTALLATIONS. 72 HOUR NOTICE SHALL BE GIVEN FOR ANY WORK ITEM THAT REQUIRES INSPECTION AND TESTING SUCH AS SANITARY SEWER OR WATER MAIN INSTALLATION.
- 4. BEING THAT THIS PROJECT IS PERMITTED UNDER THE NEW WATERSHED MANAGEMENT ORDINANCE (WMO), THE MWRD REQUIRES 48 HOURS OF ADVANCE NOTIFICATION PRIOR TO ANY GROUND DISTURBANCE. THE MWRD WILL BE INSPECTING FOR APPLICABLE EROSION CONTROL AND SEDIMENT CONTROL MEASURES SUCH AS SILT FENCING, INLET PROTECTION, CONCRETE WASH, ETC., FOLLOWED BY SANITARY SEWER AND VOLUME CONTROL INSTALLATION INSPECTIONS. PLEASE REFER TO THE APPROVED PERMIT/PLANS AND HAVE THESE MEASURES IN PLACE IN ACCORDANCE WITH THE SPECIFICATIONS.
- 5. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, CABLE, ETC.) AND THE LOCAL MUNICIPALITY TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IN ORDER TO AVOID POTENTIAL CONFLICTS. CONTRACTOR SHALL CALL THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.U.L.I.E.) AT I-800-892-0123 OR BY DIALING 811. IT IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER INDICATED ON THE PLANS OR NOT AND TO HAVE THESE UTILITIES STAKED PRIOR TO CONSTRUCTION.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE UTILITY OWNER.
- 7. ALL EASEMENTS FOR EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS PREPARED BY THE ENGINEER ACCORDING TO INFORMATION AVAILABLE FROM PUBLIC RECORDS OR VISIBLE FIELD MARKINGS. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND FOR THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SO THE CONFLICT MAY BE RESOLVED.
- 8. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES AND REGULATIONS AND TO THE SATISFACTION OF THE APPLICABLE UTILITY OWNER(S).
- 9. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, COORDINATES AND ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES SO THE CONFLICT MAY BE RESOLVED.
- 10. ALL PROPERTY MARKERS AND REFERENCE MARKERS SHALL BE CAREFULLY PRESERVED DURING CONSTRUCTION UNTIL THEIR LOCATION HAS BEEN WITNESSED OR OTHERWISE TIED IN BY AN AUTHORIZED AGENT OR PROFESSIONALLY LICENSED SURVEYOR.
- II. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE CONSTRUCTION OPERATIONS ABUT PUBLIC THROUGH-FARES AND ADJACENT PROPERTY.
- 12. ALL AREAS DISTURBED BY THE GENERAL CONTRACTOR OR SUB-CONTRACTORS SHALL BE RETURNED TO THE ORIGINAL CONDITIONS OR BETTER, EXCEPT WHERE PROPOSED CONSTRUCTION IS INDICATED ON THE PLANS.
- 13. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.
- 14. PRIOR TO INITIAL ACCEPTANCE BY THE OWNER(S) AND/OR GOVERNING AUTHORITY, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER AND MUNICIPALITY ENGINEER OR HIS REPRESENTATIVE(S). THE CONTRACTOR SHALL GUARANTEE HIS WORK FOR A PERIOD OF 18 (EIGHTEEN) MONTHS FROM THE DATE OF SUBSTANTIAL COMPLETION AND SHALL BE HELD RESPONSIBLE FOR ANY DEFECTS IN MATERIAL OR WORKMANSHIP OF THIS WORK DURING THAT PERIOD AND UNTIL FINAL ACCEPTANCE IS MADE.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE WORKING CONDITIONS THROUGHOUT THE DURATION OF CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- 16. CONTRACTOR SHALL KEEP THE PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS AT THE END OF EACH WORKING DAY.
- 17. ALL CONSTRUCTION STAKING, SCHEDULING AND PAYMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 18. THREE (3) ORIGINAL COPIES OF ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR (BUT NOT LIMITED TO) THE FOLLOWING ITEMS:
- 18.1. ASPHALT PAVEMENT MIX DESIGN
- 18.2. CONCRETE MIX DESIGN
- 18.3. GRANULAR MATERIAL GRADATION
- 18.4. PRECAST CONCRETE STRUCTURES (MANHOLES, INLETS, CATCH BASINS, VAULTS, ETC.)
- 18.5. WATER MAIN MATERIALS (VALVES, FIRE HYDRANTS, ETC.)

- 19. AFTER COMPLETION OF THE PROPOSED IMPROVEMENTS AND WHEN REQUIRED BY THE GOVERNING AUTHORITY(S), CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH AS-BUILT AND/OR RECORD DRAWINGS, SIGNED AND SEALED BY A PROFESSIONALLY LICENSED ENGINEER OR SURVEYOR AND SHALL INCLUDE AT A MINIMUM (WHERE APPLICABLE TO THE SCOPE OF WORK) THE FOLLOWING ITEMS:
- 19.1 TOPOGRAPHY AND SPOT GRADE ELEVATIONS OF ALL PROPOSED PERMANENT SITE FEATURES INCLUDING ANY STORM WATER FACILITIES OR MODIFICATIONS TO EXISTING STORM WATER FACILITIES.
- 19.2 HORIZONTAL AND VERTICAL LOCATION AND ALIGNMENT OF ALL PROPOSED ROADWAYS, PARKING LOTS, UTILITIES, BUILDINGS OR OTHER PERMANENT SITE FEATURES.
- 19.3 RIM AND INVERT AND/OR TOP OF PIPE ELEVATIONS FOR ALL PROPOSED UTILITIES.
- 19.4 AS-BUILT AND/OR RECORD DRAWING INFORMATION SHALL BE SHOWN ON THE APPROVED ENGINEERING PLANS ISSUED FOR CONSTRUCTION. ANY AND ALL DEVIATIONS FROM THESE APPROVED PLANS SHALL BE SHOWN BY MEANS OF STRIKING THROUGH THE PROPOSED INFORMATION AND CLEARLY INDICATING THE AS-BUILT LOCATIONS AND ELEVATIONS ON THE APPLICABLE PLAN SHEET.

SITE GRADING AND PAVING

- ALL SITE WORK, GRADING, AND PAVING OPERATIONS WITHIN THE LIMITS OF THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION ("STANDARD SPECIFICATIONS") ANY SPECIAL PROVISIONS, THE NOTES IN THE PLANS AND IN ACCORDANCE WITH THE CODES AND ORDINANCES OF THE GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.
- 2. EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, CONSTRUCTION OF EMBANKMENTS, NON-STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 200 OF THE "STANDARD SPECIFICATIONS." ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF OFF-SITE OR AS DIRECTED BY THE PROJECT REPRESENTATIVE IN THE FIELD.
- 3. EXCAVATED TOPSOIL SHALL BE STOCKPILED ON THE SITE IN AREAS DESIGNATED BY THE PROJECT ENGINEER UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING. UNLESS OTHERWISE NOTED ON THE PLANS, A MINIMUM OF 6" TOPSOIL RE-SPREAD AND SEEDING FOR ALL DISTURBED AREAS IS REQUIRED.
- 4. THE SOILS INVESTIGATION REPORT FOR THE SITE AND ALL ADDENDA THERETO ARE SUPPORTING DOCUMENTS FOR THIS PROJECT. THE RECOMMENDATIONS AS STATED IN SAID REPORT ARE HEREBY INCORPORATED INTO THESE CONSTRUCTION NOTES BY REFERENCE AND SHALL BE FOLLOWED BY ALL CONTRACTORS. THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS, BY A SOILS ENGINEER OR HIS REPRESENTATIVE. FURTHER CONSTRUCTION OPERATIONS WILL NOT BE PERMITTED UNTIL THE SOILS ENGINEER ISSUES A WRITTEN STATEMENT THAT THE AREA IN QUESTION HAS BEEN SATISFACTORILY PREPARED AND IS READY FOR CONSTRUCTION.
- 5. ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE SOIL REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL USE CARE IN GRADING NEAR TREES, SHRUBS, AND BUSHES WHICH ARE NOT NOTED TO BE REMOVED SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS.
- 7. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT HIS OWN EXPENSE.
- 8. REMOVED DRIVEWAY PAVEMENT, SIDEWALK, CURBS, TREES AND STUMPS SHALL BE DISPOSED OF LEGALLY OFF-SITE AT LOCATIONS DETERMINED BY THE CONTRACTOR.
- 9. ON AND OFF SITE PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY TO MEET STATE AND LOCAL STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
- IO. PROPOSED ELEVATIONS INDICATE FINISHED GRADE CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THE THICKNESS OF THE PROPOSED PAVING (ROADS, WALKS, DRIVE, ETC.) SECTION OR TOPSOIL AS INDICATED ON THE PLANS.
- II. CONTRACTOR SHALL PROVIDE SMOOTH VERTICAL CURVES THROUGH THE HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS ON THE PLANS. CONTRACTOR SHALL PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES AND AVOID ANY RIDGES AND/OR DEPRESSIONS.
- 12. ALL PROPOSED GRADING, PAVEMENT, APRONS, CURBS, WALKS, ETC. SHALL MATCH EXISTING GRADES FLUSH.
- 13. ALL EXISTING AND PROPOSED TOP OF FRAME ELEVATIONS FOR STORM, SANITARY, WATER AND OTHER UTILITY STRUCTURES SHALL BE ADJUSTED TO MEET FINISHED GRADE WITHIN THE PROJECT LIMITS.
- 14. ALL CONCRETE POURED SHALL BE:
- 14.1. MINIMUM COMPRESSIVE STRENGTH: 14.1.1. 3,500 P.S.I. AT 14 DAYS (PER I.D.O.T.)
- 14.1.2. 4,500 P.S.I. AT 28 DAYS (PER A.C.I.)
- 14.2. MAX WATER-CEMENTITIOUS MATERIALS RATIO: 0.44 (AIR-ENTRAINED)
- 14.3. AIR CONTENT: 6%, +/- 1.5% AT POINT OF DELIVERY FOR EXPOSED CONCRETE
- 15. WHEN FIBER MESH REINFORCEMENT IS SPECIFIED, IT SHALL CONSIST OF FIBRIIIATED POLYPROPYLENE FIBERS ENGINEERED AND DESIGNED FOR USE IN CONCRETE PAVEMENT, COMPLYING WITH ASTM C 1116, TYPE 111, 1/ TO 2 INCHES LONG. FIBERS SHALL BE UNIFORMLY DISPERSED IN THE CONCRETE MIXTURE AT THE MANUFACTURER'S RECOMMENDED RATE, BUT NOT LESS THAN 1.5 LBS / CU. YD.
- 16. THE GRADING AND CONSTRUCTION OF THE PROPOSED PAVEMENT IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE AND MATCH EXISTING GRADES FLUSH.
- 17. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS, FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT.
- 18. DRIVEWAYS SHALL BE CONSTRUCTED SO AS NOT TO IMPEDE THE SURFACE DRAINAGE SYSTEM.
- 19. TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SHALL BE INSTALLED AND PROVIDED WHENEVER CONSTRUCTION FOR UTILITIES ARE WITHIN STREET AREAS. APPLICABLE ORDINANCES OF THE MUNICIPALITY, COUNTY OR STATE SHALL ALSO GOVERN THE TRAFFIC CONTROL REQUIREMENTS.

SOIL EROSION AND SEDIMENT **CONTROL CONSTRUCTION SCHEDULE**

OBTAIN NPDES AND OTHER APPLICABLE SITE PERMITS AND REVIEW PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND UPDATING THE SWPPP THROUGHOUT THE DURATION OF CONSTRUCTION AS NECESSARY UNTIL FINAL SITE STABILIZATION IS ACHIEVED.

- 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- 3. INSTALL PERIMETER SEDIMENT CONTROL MEASURES (E.G. SILT FENCE).
- 4. INSTALL PROTECTION DEVICES FOR EXISTING DRAINAGE INLET AND OUTLET STRUCTURES, IF APPLICABLE.
- 5. PERFORM STORMWATER POLLUTION PREVENTION SITE INSPECTIONS ON A WEEKLY BASIS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCH OR GREATER (OR EQUIVALENT SNOWFALL). AT A MINIMUM, THE INSPECTIONS SHALL INCLUDE THE DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, ALL STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND ANY ADDITIONAL BEST MANAGEMENT PRACTICES IDENTIFIED IN THE SWPPP.
- 5.I. ALL SITE EROSION AND SEDIMENT CONTROL MEASURES AND BEST MANAGEMENT PRACTICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE CONTINUOUSLY MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION (SEE THE STORMWATER POLLUTION PREVENTION NOTES AND STORMWATER POLLUTION PREVENTION MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION). CONTRACTOR SHALL MAKE AND COMPLETE THE REQUIRED REPAIRS WITHIN FORTY-EIGHT (48) HOURS OF THE INSPECTION.
- 5.2. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL STRUCTURAL CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE SITE INSPECTIONS.
- 5.3. PERFORM STREET CLEANING OPERATIONS AND OTHER BEST MANAGEMENT PRACTICES AS NEEDED.
- 6. PERFORM SITE CLEARING AND GRUBBING AND REMOVE EXISTING VEGETATION AS NEEDED FOR INITIAL SITE GRADING OPERATIONS. VEGETATED SITE AREAS THAT ARE NOT INCLUDED WITH THE INITIAL GRADING SHALL REMAIN UNDISTURBED. ALL TOPSOIL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE AND STABILIZED WITHIN THREE (3) DAYS OF FORMING THE STOCKPILE.
- 7. REMOVE ALL ITEMS NOTED FOR REMOVAL IN THE DEMOLITION PLAN.
- 8. PERFORM ROUGH GRADING OPERATIONS, CONSTRUCT OVERFLOW ROUTES, AND STABILIZE ALL DISTURBED AREAS, INCLUDING BUT NOT LIMITED TO STEEP SLOPES, DRAINAGE CHANNELS AND SWALES (I.E. TEMPORARY AND PERMANENT SEEDING, EROSION CONTROL BLANKETS, RIP-RAP, CHECK DAMS, TEMPORARY DRAINAGE DIVERSIONS, ETC.).
- 9. INSTALL TEMPORARY CONCRETE WASHOUT FACILITY.
- IO. INSTALL BUILDING FOUNDATIONS AND BEGIN BUILDING CONSTRUCTION. II. INSTALL DETENTION SYSTEMS, STORM SEWERS AND OTHER SITE UTILITIES AND IMMEDIATELY INSTALL DRAINAGE INLET AND OUTLET PROTECTION DEVICES AS INDICATED ON THE PLANS.
- 12. PROVIDE TEMPORARY SEEDING AND/OR MULCHING FOR ALL DISTURBED SITE AREAS THAT WILL NOT BE WORKED ON FOR MORE THAN FOURTEEN (14) DAYS.
- 13. INSTALL CURBS AND BEGIN SITE PAVING OPERATIONS (I.E. DRIVEWAYS, SIDEWALKS, ETC.).
- 14. COMPLETE BUILDING CONSTRUCTION AND REMAINING SITE IMPROVEMENTS.
- 15. REMOVE TEMPORARY SITE EROSION AND SEDIMENT CONTROL MEASURES WITHIN THIRTY (30) DAYS OF FINAL SITE STABILIZATION.
- 16. SUBMIT A NOTICE OF TERMINATION (N.O.T.) TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY UPON COMPLETION OF ALL SITE CONSTRUCTION AND FINAL SITE STABILIZATION (I.E. OVER 70% VEGETATIVE COVER).



A. REFERENCED SPECIFICATIONS

- A. REFERENCED SPECIFICATIONS
 A. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEIN SEWER AND WATER MAIN CONSTRUCTION;
 * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * VILLAGE OF _______MUNICIPAL CODE;
 * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) W MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
 * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRIP PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

- 1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEA DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EI PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).
- 2. THE VILLAGE OF ______ ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIF PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTR DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR I
- 3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CON EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT
- C. GENERAL NOTES 1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DAT
- CONVERSION FACTOR IS ______ FT.
- 2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAV INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRI ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR T ON THE PROJECT.
- 4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE I AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IM INDICATED ON THE PLANS.
- 5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PL INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERI ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- 6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCT AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE
- 7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH OF THE MUNICIPALITY, MWRD, AND OWNER.
- 8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO N INSPECTION AGENCIES.
- 9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DU SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- 10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE E UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRAC UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHA ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VA OR BENDS SHALL BE TIED TO A FIRE HYDRANT. D. SANITARY SEWER
- 1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- 2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SE TESTED AND ACCEPTED.
- 3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHO
- FROM THE MUNICIPALITY OR MWRD. 4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDAR FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- 5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- 6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER S
- 7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIA IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

The following.		PIPE SPECIFICATIONS	JOINT SPECIFICATIONS	E. EROSION AND SEDIMENT CONTROL
ON), BY THE	REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-423	1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL I APPROVED EROSION AND SEDIMENT CONTROL PLAN.
	CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564	2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIO
	DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11	DISTURBANCE OF THE SITE.
9) WATERSHED STRINGENT SHALL TAKE	POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM D-3034 ASTM F-679	ASTM D-3212 ASTM D-3212	 ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION A PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL
	HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350	ASTM D-3261,F-2620 (HEAT FUSION)	SITE AT ALL TIMES.
AST TWO (2) WORKING MAIL NOTIFICATION WITH	WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH	ASTM D-3035 ASTM D-2241 AWWA C900	ASTM D-3212,F-477 (GASKETED) ASTM D-3139 ASTM D-3139	 INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL ME. SOIL DISTURBANCE. b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE
IFIED AT LEAST 24 HOURS	14-INCH TO 48-INCH	AWWA C905	ASTM D-3139	WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT F 6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MININ
EACH WORK PHASE.	APPROVAL PRIOR TO PERMIT ISSUANCE. THE PIPE MATERIAL BELOW IS USED FOR	A SPECIAL CONDITION WI SEWER CONSTRUCTION C	ILL BE ADDED TO THE PERMIT WHEN OR A CONNECTION IS MADE.	IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL ME
ON. IF EXISTING ION, IMMEDIATELY ⁻ 1-800-892-0123.	<u>PIPE MATERIAL</u> POLYPROPYLENE (PP) PIPE	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS	7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE I SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OF SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMUL TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
rum of 1988 (NAVD88).		ASTM F-2736	D-3212, F-477 D3212 F-477	8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRU
AVE THE AUTHORITY TO	JULINEH TO DU-INCHT TRIFLE WALL	A31111-2704		CONCRETE.
RD, AND THEIR AGENTS,		<i>,</i>		9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO C FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCT
	8. ALL SANTTARY SEWER CONSTRUCTION REQUIRES STONE BEDDING WITH STO TO 1/4 THE OUTSIDE DIAMETER OF THE THAN FIGHT (8) INCHES MATERIAL SE	(AND STORM SEWER CON NE ¼ " TO 1" IN SIZE, WI E SEWER PIPE, BUT NOT LI	ISTRUCTION IN COMBINED SEWER AREAS), TH MINIMUM BEDDING THICKNESS EQUAL ESS THAN FOUR (4) INCHES NOR MORE	HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAF CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASI
Y MWRD, THE ED ON THE PLANS, MUST MPROVEMENTS	9. NON-SHEAR FLEXIBLE-TYPE COUPLING	SING PVC.	CONNECTION OF SEWER PIPES	11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMA SEVEN (7) DAYS.
LANS ARE FOR IFY LOCATIONS AND	10. ALL MANHOLES SHALL BE PROVIDED N CONSTRUCTED WITH A CONCEALED P	NITH BOLTED, WATERTIG	HT COVERS. SANITARY LIDS SHALL BE IT GASKET WITH THE WORD "SANITARY"	12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
CTION OPERATIONS	CAST INTO THE LID.	SEWER MAIN BY MEANS C	THER THAN AN EXISTING WVE THE OR	13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF DRAINAGE AREA HAS BEEN STABILIZED.
CONTRACTOR.	AN EXISTING MANHOLE, ONE OF THE a) A CIRCULAR SAW-CUT OF SEWER	FOLLOWING METHODS SI MAIN BY PROPER TOOLS	HALL BE USED: ("SHEWER-TAP" MACHINE OR SIMILAR)	14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETEN SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS O
THE REQUIREMENTS	AND PROPER INSTALLATION OF H b) REMOVE AN ENTIRE SECTION OF A WYE OF THE READICH SECTION	IUBWYE SADDLE OR HUB- PIPE (BREAKING ONLY TH	TEE SADDLE. IE TOP OF ONE BELL) AND REPLACE WITH	15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROP BLANKET.
NOTIFY ALL	c) WITH PIPE CUTTER, NEATLY AND OF PROPER FITTING, USING "BAN	ACCURATELY CUT OUT DE ID SEAL" OR SIMILAR COU	ESIRED LENGTH OF PIPE FOR INSERTION IPLINGS TO HOLD IT FIRMLY IN PLACE.	16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCT BY APPROPRIATE SEDIMENT CONTROL MEASURES.
IRING CONSTRUCTION ENGINEER AS SOON AS ACTOR SHALL BE HELD HALL BE SHOWN IN RED.	12. WHENEVER A SANITARY/COMBINED S DISTANCE FROM THE TOP OF THE SEV FURTHERMORE, A MINIMUM HORIZON SEWERS AND WATERMAINS SHALL BE TRENCH, KEEPING A MINIMUM 18" VE TRENCH WITH THE WATERMAIN LOCA	EWER CROSSES UNDER A WER TO THE BOTTOM OF ITAL DISTANCE OF 10 FEE MAINTAINED UNLESS: TH RTICAL SEPARATION; OR TED AT THE OPPOSITE SI	WATERMAIN, THE MINIMUM VERTICAL THE WATERMAIN SHALL BE 18 INCHES. T BETWEEN SANITARY/COMBINED E SEWER IS LAID IN A SEPARATE THE SEWER IS LAID IN THE SAME DE ON A BENCH OF UNDISTURBED	17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRA THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES C/ SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED S GREEN INFRASTRUCTURE PRACTICES.
ALVES, B-BOXES, TEES	EARTH, KEEPING A MINIMUM 18" VER DISTANCES DESCRIBED CANNOT BE M THE SEWER SHALL BE CONSTRUCTED WATER MAIN QUALITY CARRIER PIPE	Tical Separation. If et Aintained, or the Sewi To water main Standa With the Ends Sealed.	THER THE VERTICAL OR HORIZONTAL ER CROSSES ABOVE THE WATER MAIN, RDS OR IT SHALL BE ENCASED WITH A	18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCH. BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYST DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PR COMMENCEMENT OF DEWATERING ACTIVITIES.
AS GROUND AND	13. ALL EXISTING SEPTIC SYSTEMS SHALL GRANULAR MATERIAL OR REMOVED.	BE ABANDONED. ABANDO	ONED TANKS SHALL BE FILLED WITH	19. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAI
IE POINT OF SEWER . REMAIN IN PLACE EWERS HAVE BEEN	14. ALL SANITARY MANHOLES, (AND STOF MINIMUM INSIDE DIAMETER OF 48 IN CONCRETE.	RM MANHOLES IN COMBIN CHES, AND SHALL BE CAS	ED SEWER AREAS), SHALL HAVE A T IN PLACE OR PRE-CAST REINFORCED	THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFÉCTIVE SEDIMEN ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
ie purpose of Out prior approval	15. ALL SANITARY MANHOLES, (AND STOF PRECAST "RUBBER BOOTS" THAT CON SECTIONS SHALL CONSIST OF MODIFI	RM MANHOLES IN COMBIN FORM TO ASTM C-923 FOR ED GROOVE TONGUE AND	ED SEWER AREAS), SHALL HAVE R ALL PIPE CONNECTIONS. PRECAST) RUBBER GASKET TYPE JOINTS.	20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITH FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
RD SPECIFICATIONS	16. ALL ABANDONED SANITARY SEWERS S NON-SHRINK CONCRETE OR MORTAR	Shall be plugged at bo ⁻ Plug.	TH ENDS WITH AT LEAST 2 FEET LONG	21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF C UNTIL PERMANENT STABILIZATION IS ACHIEVED.
SYSTEM.	17. EXCEPT FOR FOUNDATION/FOOTING I ASSOCIATED WITH VOLUME CONTROL PIPES ARE NOT ALLOWED TO BE CON	DRAINS PROVIDED TO PRO FACILITIES, DRAIN TILES	DTECT BUILDINGS, OR PERFORATED PIPES S/FIELD TILES/UNDERDRAINS/PERFORATED Y TO COMBINED SEWERS, SANITARY	22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
IALS AND JOINTS	SEWERS, OR STORM SEWERS TRIBUT/ CONSTRUCTION OF NEW FACILITIES (PERFORATED PIPES ENCOUNTERED W SHALL NOT BE CONNECTED TO COMBI TO COMBINED SEWERS.	ARY TO COMBINED SEWER DF THIS TYPE IS PROHIBIT ITHIN THE PROJECT AREA INED SEWERS, SANITARY	IS IN COMBINED SEWER AREAS. TED; AND ALL EXISTING DRAIN TILES AND SHALL BE PLUGGED OR REMOVED, AND SEWERS, OR STORM SEWERS TRIBUTARY	23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED SITE INSPECTOR, OR MWRD.
	18. A BACKFLOW PREVENTER IS REQUIRE REQUIRED BACKFLOW PREVENTERS S OWNER TO ENSURE PROPER OPERATI	D FOR ALL DETENTION BA HALL BE INSPECTED AND I ON, AND ANY NECESSARY	SINS TRIBUTARY TO COMBINED SEWERS. EXERCISED ANNUALLY BY THE PROPERTY MAINTENANCES SHALL BE PERFORMED TO CE INTO AN OPEN DETENTION BASIN	
	TRIBUTARY TO COMBINED SEWERS, T SEWAGE TAKES PLACE WITHIN 48 HO	THE PERMITTEE SHALL ENSURE OF THE STORM EVEN	SURE THAT CLEAN UP AND WASH OUT OF T.	
	L	TECH	NICAL GUIDANC	CE MANUAL
		\sim	IWKD GENERAL	NUIES

CONTROL DEVICES AS SHOWN ON THE IONAL PRIOR TO HYDROLOGIC EROSION AND SEDIMENT CONTROL N MANUAL. LAN SHALL BE MAINTAINED ON THE A MINIMUMI: DURS OF THE END OF A STORM EVENT UIVALENT PRECIPITATION. S TO MINIMIZE EROSION. E DONE IN PHASES, THE CO-PERMITTEE DITROL MEASURES. S OF THE ILLINOIS URBAN MANUAL ITERING OR LEAVING A CONSTRUCTION T-OF-WAY, STREET, ALLEY OR PARKING S ACCUMULATIONS WARRANT AND CORDANCE WITH THE ILLINOIS FE CONSTRUCTION ACTIVITIES INVOLVING ITION TO CONCRETE WASHOUT ONSTRUCTION ACTIVITIES. RY TO DIRECT ALL RUNOFF FROM MENT TASINS. TIES HAVE TEMPORARILY OR Y OR PERMANENT MEASURES WITHIN TES SHALL, AT A MINIMUM, BE ENT). ITIL ALL OF THE CONTRIBUTING PERIMETER SEDIMENT CONTROLS. IN AREAS OR THEIR BUFFERS. TH APPROPRIATE EROSION CONTROL CONSTRUCTION SHALL BE PROTECTED STING DRAIN TILES AND INCORPORATE IN TILES CANNOT BE TRIBUTARY TO A OMBINED SEWER AREA FOR AND DISCHARGE LOCATIONS SHALL RING SYSTEMS SHOULD BE INSPECTED AND DISCHARGE LOCATIONS SHALL RING SYSTEMS SHOULD DE INSPECTED AND DISCHARGE LOCATIONS SHALL RING SYSTEMS SHOULD DE INSPECTED AND DISCHARGE LOCATIONS SHALL RING SYSTEMS SHOULD DE INSPECTED ANT DISCHARGE LOCATIONS SHALL RING AND EXCAVATION FOR THE MAINS AS WELL AS THEIR SERVICES CH CONTAINS SEDIMENT SHALL PASS SEDIMENT CONTROL DEVICE. TILTER BAG OR REJISTING VEGETATED HARGE TO WATERWAYS, FLOOD ATED WITHIN SEVEN (7) DAYS AND DISCHARGE TO WATERWAYS, FLOOD ANTEND AND REPARED AS NEEDED NOT CONSTRUCTION SHUTDOWN SHALL BE REMOVED WITHIN THE PLANS ARE THE MINIMUM THE PLANS ARE THE MINIMUM THE PLANS ARE THE MINIMUM		CAL \ PLUMBING \ TELECOMMUNICATION \ STRUCTURAL \ ACCESSIBILITY CONSULTING \ DESIGN & PROGRAM MANAGEMENT \ LAND SURVEY	BEACON POINT PARK BEACON POINT PARK 5857 CHATHAM DRIVE 5857 CHATHAM DRIVE HOFFMAN ESTATES, ILLINOIS Engineering - Design - Consulting Engineering - Design - Consulting © COPYRIGHT 2018 THE W-T GROUP, LC
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MWRD SPECIFICATIONS

