

NOT FOR CONSTRUCTION

FINAL SITE IMPROVEMENT PLANS

FOR

260 N. LINDEN AVENUE

WESTMONT, ILLINOIS

20-014
260 N LINDEN
JUNE 30, 2020
ADVANTAGE CONSULTING ENGINEERS
80 MAIN STREET - SUITE 17 - LEMONT, ILLINOIS 60439
847-260-4758 www.aceng.us
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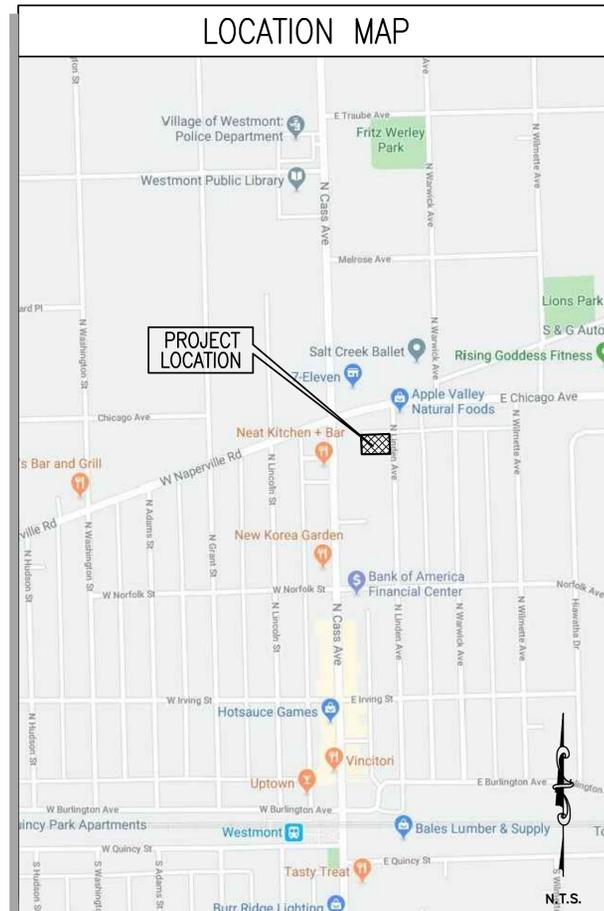
CALL J.U.L.I.E. 1-800-892-0123
WITH THE FOLLOWING:
COUNTY DuPAGE
CITY, TOWNSHIP WESTMONT, DOWNERS GROVE
SEC. & SEC. NO. SEC 10, T38N, R11E
48 HOURS BEFORE YOU DIG.
EXCLUDING SAT., SUN. & HOLIDAYS

OWNER
NATURE'S BEST
275 NORTH CASS AVENUE
WESTMONT, IL 60559
P: (630) 769-0004

ADVANTAGE NOTE
ADVANTAGE CONSULTING ENGINEERS IS TO BE NOTIFIED AT LEAST THREE (3) DAYS PRIOR TO CONSTRUCTION. STAKING REQUESTS FIVE (5) DAYS NOTICE BETWEEN SEPTEMBER 15th AND DECEMBER 15th AND SHALL BE INCLUDED IN THE PRECONSTRUCTION MEETINGS
THESE PLANS ARE COLOR CODED. CONTRACTOR/REVIEWER WILL NEED TO PRINT IN COLOR OR VIEW PDF.



BENCHMARK
ELEVATION:
DESCRIPTION: SEE SHEET EX1 FOR BENCHMARK INFORMATION
EXISTING TOTAL SITE AREA: 0.28 ACRES
PROPOSED PROJECT AREA: 0.16 ACRES



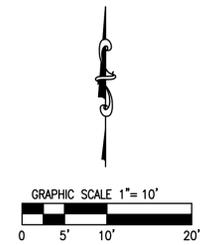
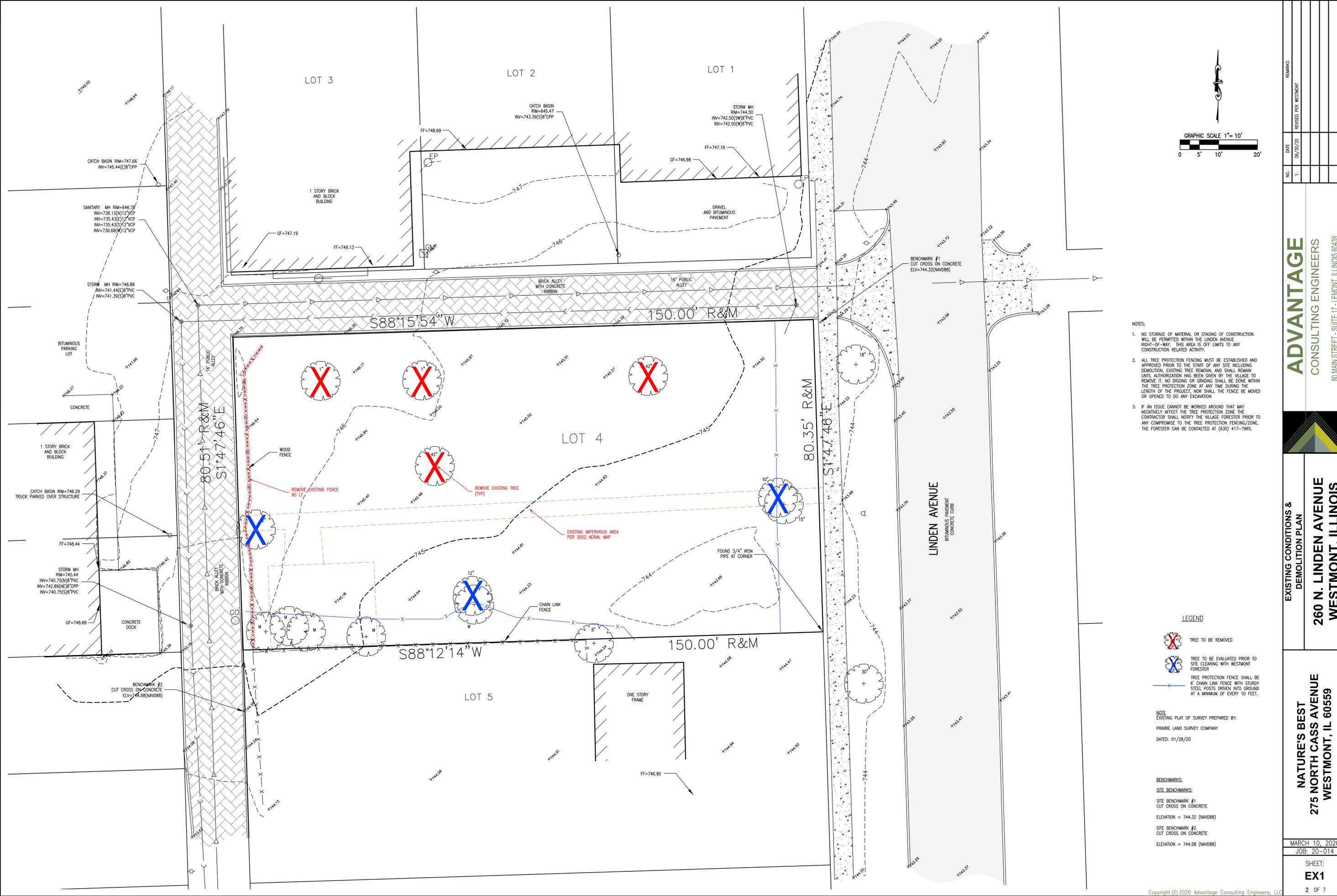
| SHEET # | SHEET I.D. | SHEET DESCRIPTION |
|---------|------------|---------------------------------------|
| 1 | C1 | COVER SHEET |
| 2 | EX1 | EXISTING CONDITIONS & DEMOLITION PLAN |
| 3 | L1 | GEOMETRIC PLAN |
| 4 | E1 | ENGINEERING PLAN |
| 5 | S1 | SPECIFICATIONS |
| 6 | D1 | DETAILS |
| 7 | XS1 | CROSS SECTIONS |

| ORIGINAL PLAN DATE: | | MARCH 10, 2020 | |
|---------------------|---------|----------------------|----------|
| # | SHEET # | REMARKS | DATE |
| 1 | ALL | REVISED PER WESTMONT | 06/30/20 |


ENGINEER
WILLIAM J. ZALESKI, P.E.
BILLZ@ACENSUS
ILLINOIS REGISTRATION NO.: 062-046121
EXPIRATION DATE: 11/30/2021
PROFESSIONAL DESIGN FIRM NO.: 184-007386
EXPIRATION DATE: 4/30/2021
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER

06/30/2020
DATE





- NOTES:
1. NO STORAGE OF MATERIAL OR STAGING OF CONSTRUCTION WILL BE PERMITTED WITHIN THE LINDEN AVENUE RIGHT-OF-WAY. THIS AREA IS OFF LIMITS TO ANY CONSTRUCTION RELATED ACTIVITY.
 2. ALL TREE PROTECTION FENCING MUST BE ESTABLISHED AND APPROVED PRIOR TO THE START OF ANY SITE INCLUDING DEMOLITION, EXISTING TREE REMOVAL AND SHALL REMAIN UNTIL AUTHORIZATION HAS BEEN GIVEN BY THE VILLAGE TO REMOVE IT. NO DIGGING OR GRADING SHALL BE DONE WITHIN THE TREE PROTECTION ZONE AT ANY TIME DURING THE LENGTH OF THE PROJECT, NOR SHALL THE FENCE BE MOVED OR OPENED TO DO ANY EXCAVATION.
 3. IF AN ISSUE CANNOT BE WORKED AROUND THAT MAY NEGATIVELY AFFECT THE TREE PROTECTION ZONE THE CONTRACTOR SHALL NOTIFY THE VILLAGE FORESTER PRIOR TO ANY COMPROMISE TO THE TREE PROTECTION FENCING/ZONE. THE FORESTER CAN BE CONTACTED AT (630) 417-7965.

- LEGEND
- TREE TO BE REMOVED
 - TREE TO BE EVALUATED PRIOR TO SITE CLEARING WITH WESTMONT FORESTER
 - TREE PROTECTION FENCE SHALL BE 6" CHAIN LINK FENCE WITH STURDY STEEL POSTS DRIVEN INTO GROUND AT A MINIMUM OF EVERY 10 FEET.

NOTE
EXISTING PLAN OF SURVEY PREPARED BY:
PRAIRIE LAND SURVEY COMPANY
DATED: 01/28/20

BENCHMARKS:
SITE BENCHMARKS:
SITE BENCHMARK #1
CUT CROSS ON CONCRETE
ELEVATION = 744.32 (NAVD88)
SITE BENCHMARK #2
CUT CROSS ON CONCRETE
ELEVATION = 744.58 (NAVD88)

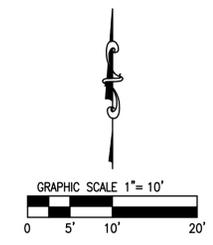
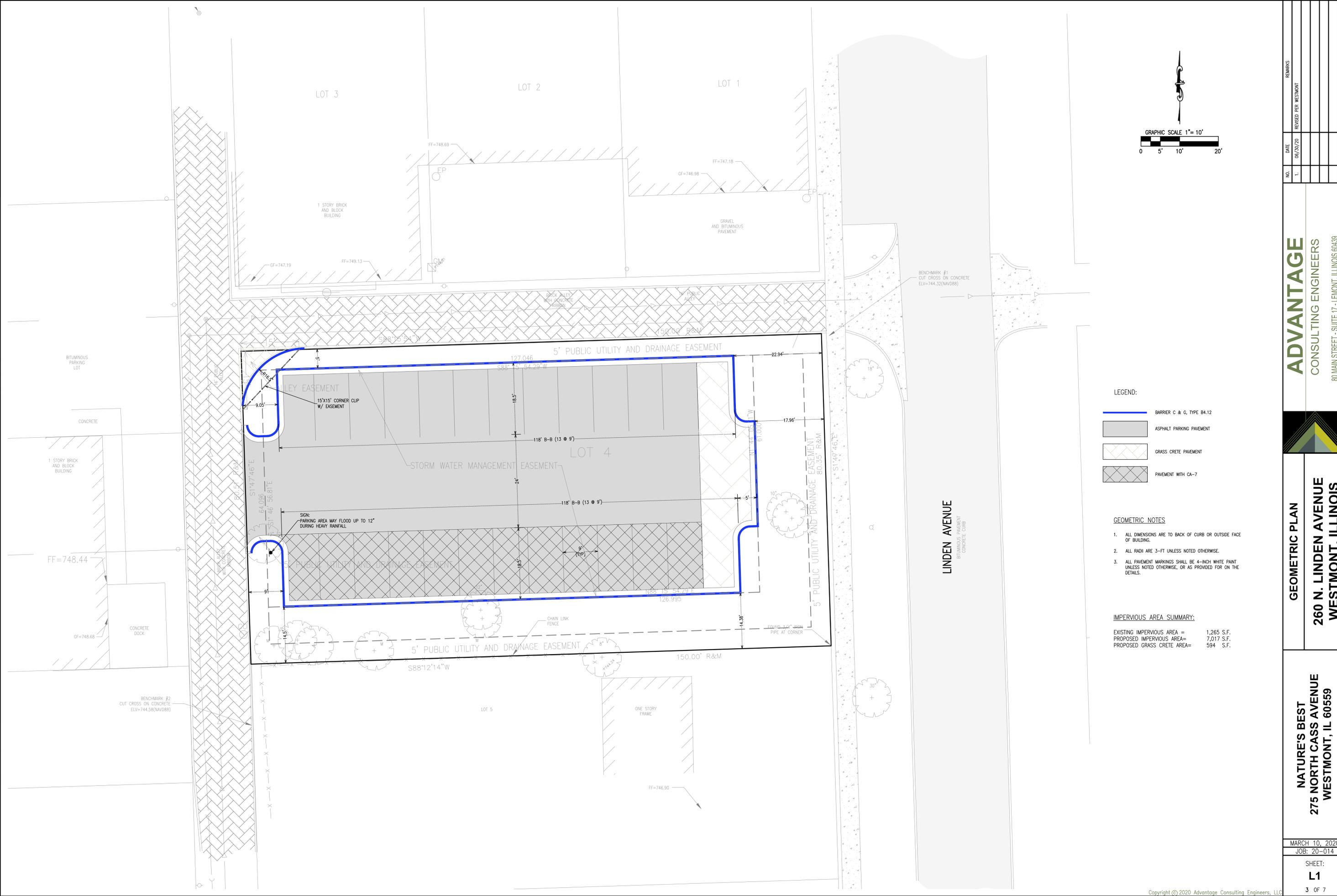
| NO. | DATE | REVISIONS | REMARKS |
|-----|----------|----------------------|---------|
| 1. | 06/20/20 | REVISED PER WESTMONT | |

ADVANTAGE
CONSULTING ENGINEERS
80 MAIN STREET - SUITE 17 - LEMONT, ILLINOIS 60439
631-260-4758
WWW.ADVANTAGEILL.COM

EXISTING CONDITIONS & DEMOLITION PLAN
260 N. LINDEN AVENUE
WESTMONT, ILLINOIS

NATURE'S BEST
275 NORTH CASS AVENUE
WESTMONT, IL 60559

MARCH 10, 2020
JOB: 20-014
SHEET:
EX1
2 OF 7



LEGEND:

- BARRIER C & G, TYPE B4.12
- ASPHALT PARKING PAVEMENT
- GRASS CRETE PAVEMENT
- PAVEMENT WITH CA-7

GEOMETRIC NOTES

1. ALL DIMENSIONS ARE TO BACK OF CURB OR OUTSIDE FACE OF BUILDING.
2. ALL RADII ARE 3-FT UNLESS NOTED OTHERWISE.
3. ALL PAVEMENT MARKINGS SHALL BE 4-INCH WHITE PAINT UNLESS NOTED OTHERWISE, OR AS PROVIDED FOR ON THE DETAILS.

IMPERVIOUS AREA SUMMARY:

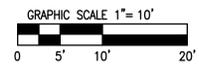
| | |
|----------------------------|------------|
| EXISTING IMPERVIOUS AREA = | 1,265 S.F. |
| PROPOSED IMPERVIOUS AREA= | 7,017 S.F. |
| PROPOSED GRASS CRETE AREA= | 594 S.F. |

| NO. | DATE | REVISIONS | REMARKS |
|-----|----------|----------------------|---------|
| 1. | 06/20/20 | REVISED PER WESTMONT | |

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GEOMETRIC PLAN
260 N. LINDEN AVENUE
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WESTMONT, IL 60559



EROSION CONTROL LEGEND

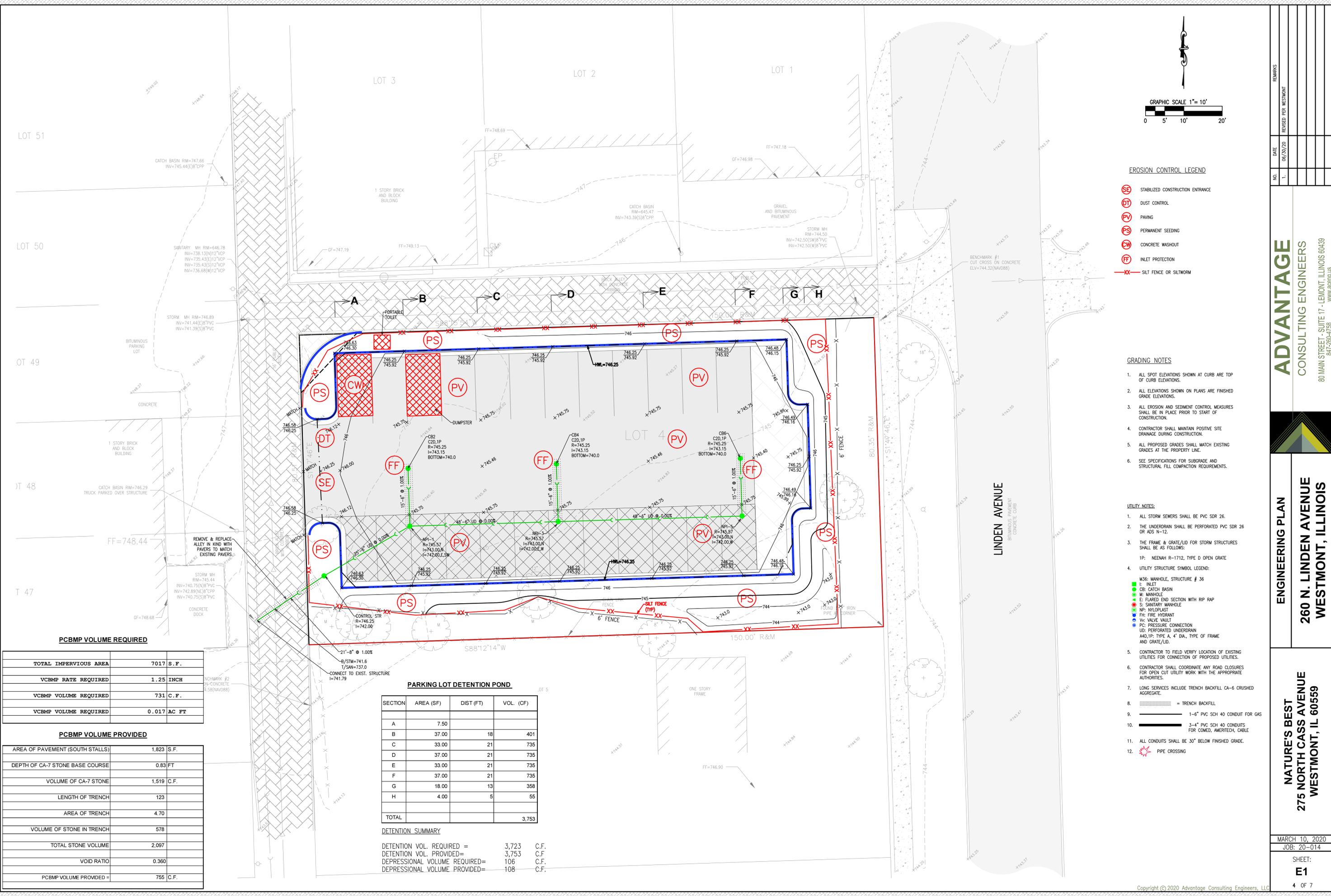
- SE STABILIZED CONSTRUCTION ENTRANCE
- DC DUST CONTROL
- PV PAWING
- PS PERMANENT SEEDING
- CW CONCRETE WASHOUT
- FF INLET PROTECTION
- XX SILT FENCE OR SILTWORM

GRADING NOTES

- ALL SPOT ELEVATIONS SHOWN AT CURB ARE TOP OF CURB ELEVATIONS.
- ALL ELEVATIONS SHOWN ON PLANS ARE FINISHED GRADE ELEVATIONS.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN POSITIVE SITE DRAINAGE DURING CONSTRUCTION.
- ALL PROPOSED GRADES SHALL MATCH EXISTING GRADES AT THE PROPERTY LINE.
- SEE SPECIFICATIONS FOR SUBGRADE AND STRUCTURAL FILL COMPACTION REQUIREMENTS.

UTILITY NOTES:

- ALL STORM SEWERS SHALL BE PVC SDR 26.
- THE UNDERDRAIN SHALL BE PERFORATED PVC SDR 26 OR ADS N-12.
- THE FRAME & GRATE/LID FOR STORM STRUCTURES SHALL BE AS FOLLOWS:
1P: NEENAH R-1712, TYPE D OPEN GRATE
- UTILITY STRUCTURE SYMBOL LEGEND:
M36: MANHOLE, STRUCTURE # 36
I: INLET
CB: CATCH BASIN
M: MANHOLE
E: FLARED END SECTION WITH RIP RAP
S: SANITARY MANHOLE
NP: NYLOPLAST
FH: FIRE HYDRANT
W: VALVE VAULT
PC: PRESSURE CONNECTION
UD: PERFORATED UNDERDRAIN
A4D:IP: TYPE A 4" DIA. TYPE OF FRAME AND GRATE/LID.
- CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UTILITIES FOR CONNECTION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL COORDINATE ANY ROAD CLOSURES FOR OPEN CUT UTILITY WORK WITH THE APPROPRIATE AUTHORITIES.
- LONG SERVICES INCLUDE TRENCH BACKFILL CA-6 CRUSHED AGGREGATE.
- = TRENCH BACKFILL
- 1-6" PVC SCH 40 CONDUIT FOR GAS
- 3-4" PVC SCH 40 CONDUITS FOR COMED, AMERITECH, CABLE
- ALL CONDUITS SHALL BE 30" BELOW FINISHED GRADE.
- PIPE CROSSING



PCBMP VOLUME REQUIRED

| | |
|-----------------------|-------------|
| TOTAL IMPERVIOUS AREA | 7017 S.F. |
| VCBMP RATE REQUIRED | 1.25 INCH |
| VCBMP VOLUME REQUIRED | 731 C.F. |
| VCBMP VOLUME REQUIRED | 0.017 AC FT |

PCBMP VOLUME PROVIDED

| | |
|---------------------------------|------------|
| AREA OF PAVEMENT (SOUTH STALLS) | 1,823 S.F. |
| DEPTH OF CA-7 STONE BASE COURSE | 0.83 FT |
| VOLUME OF CA-7 STONE | 1,519 C.F. |
| LENGTH OF TRENCH | 123 |
| AREA OF TRENCH | 4.70 |
| VOLUME OF STONE IN TRENCH | 578 |
| TOTAL STONE VOLUME | 2,097 |
| VOID RATIO | 0.360 |
| PCBMP VOLUME PROVIDED = | 755 C.F. |

PARKING LOT DETENTION POND

| SECTION | AREA (SF) | DIST (FT) | VOL. (CF) |
|--------------|-----------|-----------|--------------|
| A | 7.50 | | |
| B | 37.00 | 18 | 401 |
| C | 33.00 | 21 | 735 |
| D | 37.00 | 21 | 735 |
| E | 33.00 | 21 | 735 |
| F | 37.00 | 21 | 735 |
| G | 18.00 | 13 | 358 |
| H | 4.00 | 5 | 55 |
| TOTAL | | | 3,753 |

DETENTION SUMMARY

| | | |
|--------------------------------|-------|------|
| DETENTION VOL. REQUIRED = | 3,723 | C.F. |
| DETENTION VOL. PROVIDED = | 3,753 | C.F. |
| DEPRESSIONAL VOLUME REQUIRED = | 106 | C.F. |
| DEPRESSIONAL VOLUME PROVIDED = | 108 | C.F. |

| | | | | | |
|---|----------|-------------|----------|-----|----|
| REMARKS | | | | | |
| DATE | 06/20/20 | REVISED PER | WESTMONT | NO. | 1. |
| <p>ADVANTAGE CONSULTING ENGINEERS</p> <p>80 MAIN STREET - SUITE 17 - LEMONT, ILLINOIS 60439 847-260-4758 WWW.ADVANTAGE-ILL.COM</p> | | | | | |
| <p>ENGINEERING PLAN</p> <p>260 N. LINDEN AVENUE WESTMONT, ILLINOIS</p> | | | | | |
| <p>NATURE'S BEST 275 NORTH CASS AVENUE WESTMONT, IL 60559</p> | | | | | |
| <p>MARCH 10, 2020 JOB: 20-014</p> | | | | | |
| <p>SHEET: E1</p> | | | | | |
| <p>4 OF 7</p> | | | | | |

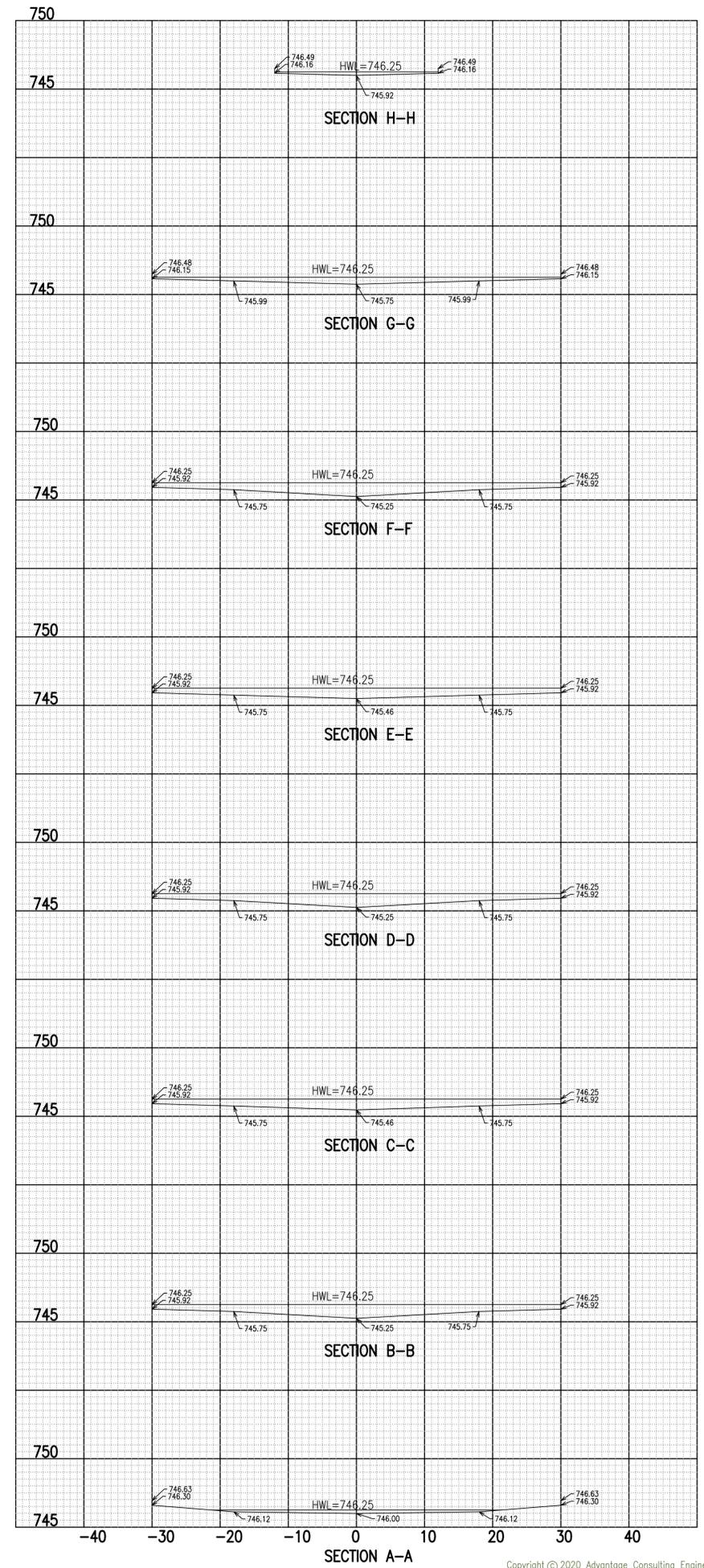
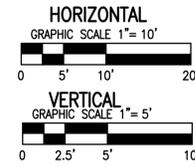
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|--|--|--|--|
| | GENERAL NOTES | | |
| | <p>1. ALL PAVING AND RELATED CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION BY ILLINOIS DEPARTMENT OF TRANSPORTATION AND ALL AMENDMENTS THERETO AND IN ACCORDANCE WITH THE LATEST EDITION OF THE SUBDIVISION REGULATIONS OF THE MUNICIPALITY. IN CASE OF CONFLICT, THE MORE RESTRICTIVE CODE WILL TAKE PRECEDENCE.</p> <p>2. ALL STORM SEWER, SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION, AND IN ACCORDANCE WITH THE CURRENT SUBDIVISION REGULATIONS OF THE MUNICIPALITY UNLESS OTHERWISE NOTED ON THE PLANS.</p> <p>3. STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, CONSTRUCTION PLANS, AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE CONSIDERED A PART OF THIS CONTRACT.</p> <p>4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123, AND THE MUNICIPALITY FOR UTILITY LOCATIONS.</p> <p>5. NO CONSTRUCTION PLAN SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION." PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES WITH WHAT IS SHOWN SHALL BE PLACED IN LOOSE LIFTS THAT SHALL NOT EXCEED EIGHT (8) INCHES IN THICKNESS, AND THE WATER CONTENT SHALL BE ADJUSTED IN ORDER TO ACHIEVE REQUIRED COMPACTION. EARTH MATERIAL MAY BE PLACED WITH THOSE PORTIONS OF THE SITE NOT REQUIRING STRUCTURAL FILL, TO WITHIN PLAN SUBGRADE ELEVATION, IN AREAS REQUIRING STRUCTURAL FILL; HOWEVER, THE EARTH MATERIAL SHALL NOT BE PLACED OVER TOPSOIL OR OTHER UNSUITABLE MATERIALS. THE STRUCTURAL SUBGRADE AREA SHALL EXTEND TO THE ZONE OF INFLUENCE IN ALL FILL AREAS.</p> <p>6. NOTIFICATION OF COMMENCING CONSTRUCTION</p> <p>A. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR HIS REPRESENTATIVE AND THE AFFECTED GOVERNMENTAL AGENCIES IN WRITING AT LEAST THREE FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES, EITHER MUNICIPALITY'S OR THE OWNER'S, SUBSEQUENTLY IN ADVANCE OF CONSTRUCTION.</p> <p>B. FAILURE OF CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN TESTING COMPANIES TO BE UNABLE TO VISIT SITE AND PERFORM TESTING WILL CAUSE CONTRACTOR TO SUSPEND OPERATION (PERTAINING TO TESTING) UNTIL TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COST OF SUSPENSION OF WORK TO BE BORNE BY CONTRACTOR.</p> <p>7. ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR ALL TYPES OF TRAFFIC. AT NO TIME SHALL ACCESS BE DENIED TO PROPERTIES SURROUNDING THE SITE.</p> <p>8. ALL PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED.</p> <p>9. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE DEVELOPER'S ENGINEER AT CONTRACTOR'S COST.</p> <p>10. ALL FRAMES AND LIDS FOR STORM AND SANITARY SEWER STRUCTURES ARE TO BE ADJUSTED TO MEET FINAL FINISH GRADE. THIS ADJUSTMENT IS TO BE MADE BY THE SEWER CONTRACTOR AND THE COST IS TO BE CONSIDERED INCIDENTAL. THESE ADJUSTMENTS TO FINISHED GRADE WILL NOT ALLEVIATE THE CONTRACTOR FROM ANY ADDITIONAL ADJUSTMENTS AS REQUIRED BY THE GOVERNING REVIEW AGENCY (GRA) UPON FINAL INSPECTION OF THE PROJECT. FINAL GRADES TO BE DETERMINED BY THE GRA AT THE TIME OF FINAL INSPECTION AND MAY VARY FROM PLAN GRADE.</p> <p>11. ANY EXISTING SIGNS, LIGHT STANDARDS AND UTILITY POLES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND NOT NOTED FOR DISPOSAL SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT HIS OWN EXPENSE AS DIRECTED BY THE ENGINEER. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE OWNER. ANY SIGNS NOT REQUIRED TO BE RESET SHALL BE DELIVERED TO THE RESPECTIVE OWNERS.</p> <p>12. REMOVAL OF SPECIFIED ITEMS, INCLUDING BUT NOT LIMITED TO, PAVEMENT, SIDEWALK, CURB, CURB AND GUTTER, CULVERTS, ETC. SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT HIS OWN EXPENSE. HE IS RESPONSIBLE FOR ANY PERMIT REQUIRED FOR SUCH DISPOSAL.</p> <p>13. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR SHALL BE RESTORED TO PROPER OPERATING CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE ENGINEER UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BY OWNER & MUNICIPALITY.</p> <p>14. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT AND THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE DURING THAT PERIOD.</p> <p>15. BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED BY THE OWNER OR HIS REPRESENTATIVE. FINAL PAYMENT WILL BE MADE AFTER ALL THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.</p> <p>16. UPON AWARDING OF THE CONTRACT AND WHEN REQUIRED BY THE MUNICIPALITY, THE CONTRACTOR SHALL FURNISH A LABOR, MATERIAL AND PERFORMANCE BOND & INSURANCE IN THE AMOUNT REQUIRED BY THE MUNICIPALITY GUARANTEEING COMPLETION OF THE WORK. THE UNDERWRITER SHALL BE ACCEPTABLE TO THE MUNICIPALITY.</p> <p>17. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES DURING CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH LOCATIONS OF THE NEW CONSTRUCTION, ADVANTAGE CONSULTING ENGINEERS IS RESPONSIBLE TO RESOLVE THE CONFLICT. ADVANTAGE CONSULTING ENGINEERS IS NOT RESPONSIBLE FOR THE COST OF CONSTRUCTION.</p> <p>18. OWNER SHALL OBTAIN EASEMENTS AND PERMITS NECESSARY TO FACILITATE CONSTRUCTION OF THE PROPOSED UTILITIES. THE CONTRACTOR, HOWEVER, SHALL FURNISH ALL REQUIRED BONDS AND EVIDENCE OF INSURANCE NECESSARY TO SECURE THESE PERMITS.</p> <p>19. THE CONTRACTORS SHALL PLAN THEIR WORK BASED ON THEIR OWN BORINGS, EXPLORATIONS AND OBSERVATIONS TO DETERMINE SOIL CONDITIONS AT THE LOCATION OF THE PROPOSED WORK.</p> <p>20. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB IN ACCORDANCE WITH OSHA REGULATIONS.</p> <p>21. THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT AT NO ADDITIONAL EXPENSE TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL REQUIRED FOR CLEAN-UP AS DIRECTED BY THE ENGINEER OR OWNER. BURNING ON THE SITE IS NOT PERMITTED.</p> <p>22. IT SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE PROPER BARRICADING, WARNING DEVICES AND THE SAFE MANAGEMENT OF TRAFFIC WITHIN THE AREA OF CONSTRUCTION. ALL SUCH DEVICES AND THEIR INSTALLATION SHALL CONFORM TO THE ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS, LATEST EDITION AND IN CONFORMANCE WITH REGULATIONS OF THE GRA.</p> <p>23. NO UNDERGROUND WORK SHALL BE COVERED UNTIL IT HAS BEEN APPROVED BY THE GRA. APPROVAL TO PROCEED MUST BE OBTAINED FROM THE GRA PRIOR TO INSTALLING PAVEMENT BASE, BINDER, SURFACE AND PRIOR TO POURING ANY CONCRETE AFTER FORMS HAVE BEEN SET.</p> <p>24. ALL EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PAVEMENT AND PARKWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION.</p> <p>25. AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.</p> <p>26. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.</p> <p>27. LIMB PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF AN APPROVED LANDSCAPE ARCHITECT AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION.</p> <p>28. ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT HIS OWN EXPENSE.</p> <p>29. ALL CUTS OVER 1" IN DIAMETER SHALL BE MADE FLUSH WITH THE NEXT LARGE BRANCH. WOUNDS OVER 1" IN DIAMETER SHALL BE PAINTED WITH AN APPROVED TREE PAINT.</p> <p>30. ANY DEWATERING OF SEWER AND WATER TRENCHES AS WELL AS TEMPORARY SHEETING OR BRACING THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL NOT BE CONSIDERED EXTRA WORK. IN THE EVENT THAT SOFT MATERIALS WITH UNCONFINED COMPRESSIVE STRENGTH LESS THAN 0.5 TSF ARE ENCOUNTERED IN SEWER AND WATER MAIN CONSTRUCTION, THE CONTRACTOR SHALL, UPON APPROVAL OF THE OWNER AND/OR ENGINEER, OVER-EXCAVATE TO A DEPTH OF AT LEAST ONE (1) FOOT BELOW THE BOTTOM OF THE PIPE AND BACKFILL WITH COMPACTED CRUSHED STONE, PROPERLY FORMED TO FIT THE BOTTOM OF THE PIPE.</p> <p>31. CONTRACTOR SHALL VIDEO TAPE WORK AREA PRIOR TO CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS.</p> <p>32. TRENCH BACKFILL WILL BE REQUIRED TO THE FULL DEPTH ABOVE ALL UNDERGROUND UTILITIES WITHIN TWO FEET OF PROPOSED OR EXISTING PAVEMENTS, UTILITIES, BUILDINGS, AND SIDEWALKS. THE TRENCH BACKFILL SHALL BE DONE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS. THE TRENCH BACKFILL AND BEDDING MATERIAL SHALL CONSIST OF CRUSHED GRAVEL CONFORMING TO IDOT GRADATION CA-6.</p> <p>33. WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, EXISTING DRAINAGE STRUCTURES AND SYSTEMS SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURE. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STRUCTURES AND CONTRACT UNIT PRICE PER LINEAL FOOT FOR STORM SEWERS, WHICH SHALL BE PAYMENT IN FULL FOR CLEANING, PATCHING, REMOVAL AND DISPOSAL OF DEBRIS AND DIRT, DRAINAGE STRUCTURES AND SEWERS CONSTRUCTED AS PART OF THIS CONTRACT SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE.</p> <p>34. HYDRANTS SHALL NOT BE FLUSHED DIRECTLY ON THE ROAD SUBGRADES. WHEREVER POSSIBLE, HOSES SHALL BE USED TO DIRECT THE WATER INTO STORM SEWERS. DAMAGE TO THE ROAD SUBGRADE OR LOT AREAS DUE TO EXCESSIVE WATER SATURATION AND/OR EROSION FROM HYDRANT FLUSHING OR FROM LEAKS IN THE WATER DISTRIBUTION SYSTEM, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. FLUSHING OR USING HYDRANT TO MAKE ALL NECESSARY REPAIRS AT HIS EXPENSE. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION WATER AT HIS EXPENSE.</p> <p>35. AFTER THE STORM SEWER SYSTEM HAS BEEN CONSTRUCTED THE CONTRACTOR SHALL PLACE EROSION CONTROL AT LOCATIONS SHOWN ON THE PLANS OR AS SELECTED IN THE FIELD BY THE ENGINEER. THE PURPOSE OF THE EROSION CONTROL WILL BE TO MINIMIZE THE AMOUNT OF SILTATION, WHICH NORMALLY WOULD ENTER THE STORM SEWER SYSTEM FROM ADJACENT AND/OR UPSTREAM DRAINAGE AREAS.</p> <p>36. EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH ILLINOIS URBAN MANUAL, AND SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL A SUITABLE GROWTH OF GRASS ACCEPTABLE TO THE ENGINEER HAS BEEN DEVELOPED.</p> <p>37. THE ENGINEER SHALL PROVIDE ONE MYLAR AND REQUIRED BLUELINE SETS OF "RECORD DRAWINGS" TO THE GRA AND OWNER PRIOR TO ANY REQUEST FOR FINAL INSPECTION. SAID PLANS SHALL INDICATE THE FINAL LOCATION AND LAYOUT OF ALL IMPROVEMENTS, INCLUDE VERIFICATION OF ALL BUILDING PADS, TOP OF FOUNDATION, INVERT, RIM, AND SPOT GRADE ELEVATIONS, LOCATION OF ALL WATER SERVICE B-BOXES, SANITARY SERVICES, AND STORM SERVICES AND INCORPORATE ALL FIELD DESIGN CHANGES APPROVED BY THE GRA. HOWEVER THE CONTRACTOR SHALL PROVIDE ALL SERVICE INFORMATION REQUIRED BY THE GRA TO COMPLETE THE RECORD DRAWINGS.</p> | | |

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| | GENERAL NOTES | | |
| | | EARTHWORK | |
| | | <p>1. TOPSOIL EXCAVATION</p> <p>EXCAVATION OF TOPSOIL AND OTHER STRUCTURALLY UNSUITABLE MATERIALS WITHIN THOSE AREAS THAT WILL REQUIRE EARTH EXCAVATION BELOW STRUCTURALLY UNSUITABLE MATERIALS OR COMPACTED EARTH FILL MATERIAL, AND CUT AREAS OF THE NON-STRUCTURAL ZONES. TOPSOIL MAY NOT HAVE TO BE REMOVED IF FILL IS TO BE PLACED IN NON-STRUCTURAL FILL AREAS SUCH AS REAR YARDS.</p> <p>PLACEMENT OF EXCAVATED MATERIAL FOR FUTURE USE WITHIN AREAS TO BE LANDSCAPED, AND FILL IN THE AREAS NOT REQUIRING STRUCTURAL FILL ARE TO BE APPROVED BY OWNER PRIOR TO PLACEMENT.</p> <p>EXCESS MATERIALS, IF NOT UTILIZED AS FILL OR IF NOT TO BE STOCKPILED FOR FUTURE LANDSCAPING, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.</p> <p>TOPSOIL RESURFACE SHALL INCLUDE HAULING AND SPREADING A MINIMUM OF 6" OF TOPSOIL OVER AREAS TO BE LANDSCAPED WHERE SHOWN ON THE PLANS OR DIRECTED BY THE OWNER.</p> <p>MODERATE COMPACTION IS REQUIRED IN NON-STRUCTURAL FILL AREAS.</p> <p>2. EARTH EXCAVATION</p> <p>EXCAVATION OF EARTH AND OTHER MATERIALS WHICH ARE SUITABLE FOR USE AS STRUCTURAL FILL. THE EXCAVATION SHALL BE TO WITHIN A TOLERANCE OF 0.1 FEET +/- OF THE PLAN SUBGRADE ELEVATIONS. THE +/- TOLERANCE WITHIN PAVEMENT AREAS SHALL BE SUCH THAT THE EARTH MATERIALS SHALL "BALANCE" AS PART OF THE FINE GRADING OPERATION.</p> <p>PLACEMENT OF THE EARTH AND OTHER SUITABLE MATERIALS SHALL BE WITHIN THOSE AREAS REQUIRING STRUCTURAL FILL IN ORDER TO ACHIEVE THE PLAN SUBGRADE ELEVATIONS. THE FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS THAT SHALL NOT EXCEED EIGHT (8) INCHES IN THICKNESS, AND THE WATER CONTENT SHALL BE ADJUSTED IN ORDER TO ACHIEVE REQUIRED COMPACTION. EARTH MATERIAL MAY BE PLACED WITH THOSE PORTIONS OF THE SITE NOT REQUIRING STRUCTURAL FILL, TO WITHIN PLAN SUBGRADE ELEVATION, IN AREAS REQUIRING STRUCTURAL FILL; HOWEVER, THE EARTH MATERIAL SHALL NOT BE PLACED OVER TOPSOIL OR OTHER UNSUITABLE MATERIALS. THE STRUCTURAL SUBGRADE AREA SHALL EXTEND TO THE ZONE OF INFLUENCE IN ALL FILL AREAS.</p> <p>COMPACTION OF THE EARTH AND OTHER SUITABLE MATERIALS, SHALL BE TO AT LEAST 95% OF THE MODIFIED PROCTOR DRY DENSITY WITHIN PROPOSED PAVEMENT AND BUILDING PAD AREAS, SIDEWALK, ETC., 90% TO 95% OF THE MODIFIED PROCTOR DRY DENSITY IS REQUIRED IN NON-STRUCTURAL FILL AREAS.</p> <p>A. THE CONTRACTOR SHALL USE CARE IN GRADING NEAR TREES, SHRUBS, AND BUSHES WHICH ARE TO REMAIN SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS.</p> <p>B. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH ARE TO BE REMAIN. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT HIS OWN EXPENSE.</p> <p>3. UNSUITABLE MATERIAL</p> <p>UNSUITABLE MATERIAL SHALL BE CONSIDERED AS MATERIAL WHICH IS NOT SUITABLE FOR THE SUPPORT OF PAVEMENT OR BUILDING CONSTRUCTION, AND IF IT IS ENCOUNTERED BELOW NORMAL TOPSOIL DEPTHS AND THE PROPOSED SUBGRADE ELEVATION IT SHALL BE REMOVED AND REPLACED WITH SELECT GRANULAR MATERIAL APPROVED BY THE SOILS ENGINEER. THE DECISION TO REMOVE SAID MATERIAL, AND TO WHAT EXTENT, SHALL BE MADE BY A SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER.</p> <p>4. THE GRADING CONTRACTOR SHALL:</p> <p>MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION, AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.</p> <p>SPREAD AND COMPACT UNIFORMLY TO THE DEGREE SPECIFIED FOR ALL EXCESS TRENCH SPOIL AFTER COMPLETION OF THE UNDERGROUND IMPROVEMENTS.</p> <p>SCARIFY AND COMPACT TO THE DEGREE SPECIFIED THE UPPER TWELVE (12) INCHES OF THE SUITABLE SUBGRADE MATERIAL, IN ALL AREAS THAT MAY BE SOFT DUE TO EXCESS MOISTURE CONTENT. THIS APPLIES TO CUT AREAS AS WELL AS FILL AREAS.</p> <p>PROVIDE WATER AS DIRECTED BY SOILS ENGINEER TO DRY MATERIAL TO ADJUST THE MOISTURE CONTENT FOR THE PURPOSE OF ACHIEVING THE SPECIFIED COMPACTION.</p> <p>BACKFILL THE CURB AND GUTTER AFTER ITS CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL.</p> <p>BE RESPONSIBLE FOR IMPLEMENTATION OF THE "SOIL EROSION AND SEDIMENTATION CONTROL MEASURES" AS DESCRIBED IN THESE PLANS. ALL CONTRACTORS SHALL COMPLY WITH SWPPP AND NPDES REQUIREMENTS.</p> <p>USE LIME STABILIZATION IN THE SUBGRADE MATERIAL IF REQUIRED BY THE SOILS ENGINEER.</p> <p>5. TESTING AND FINAL ACCEPTANCE</p> <p>THE CONTRACTOR SHALL PROVIDE AS A MINIMUM, A TANDEM AXLE TRUCK LOADED TO 14 TONS FOR PROOF ROLLING THE PAVEMENT SUBGRADE PRIOR TO THE PLACEMENT OF THE CURB AND GUTTER AND THE BASE MATERIAL. THIS SHALL BE WITNESSED AND APPROVED BY GRA REPRESENTATIVE AND OWNER.</p> <p>ANY UNSUITABLE AREA ENCOUNTERED AS A RESULT OF PROOF ROLLING SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL APPROVED BY THE SOILS CONSULTANT, AND PROOF ROLLING SHALL BE PERFORMED UNTIL THE SUBGRADE IS APPROVED BY THE GRA REPRESENTATIVE AND OWNER.</p> <p>THE WORK AREAS SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION AND TRAFFIC.</p> <p>6. DRAIN TILES</p> <p>ANY DRAIN TILES ENCOUNTERED SHALL BE MARKED. ANY DRAIN TILES THAT ARE DAMAGED SHALL BE REPAIRED OR ROUTED FOR POSITIVE DRAINAGE TO AVOID ANY POTENTIAL DRAINAGE ISSUE FOR THE UPSTREAM PROPERTY OWNERS.</p> | |

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| | | STORM SEWER | |
| | | <p>1. ALL STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS AND THE SUBDIVISION CONTROL ORDINANCE OF THE MUNICIPALITY.</p> <p>2. UNLESS OTHERWISE NOTED ON THE PLANS, ALL STORM SEWERS SHALL BE REINFORCED CONCRETE CULVERT PIPE, ASTM C 76, WITH "O" RING RUBBER GASKET JOINTS CONFORMING TO ASTM C-443. 12" AND 15" RCP SHALL BE CLASS IV UNLESS NOTED OTHERWISE. ADS N-12, OR APPROVED PVC SDR 26 PIPE PIPES SHALL CONFORM TO ASTM STANDARDS. THE JOINTS SHALL BE PER MANUFACTURER'S RECOMMENDATION AND ASTM STANDARDS. ALL UNDERDRAINS SHALL BE ADS N-12 OR PVC SDR 26.</p> <p>3. ALL DOWNSPOUT AND FOOTING DRAINS SHALL BE DISCHARGED TO THE STORM SEWER SYSTEM 4" MINIMUM PVC SDR26 UNLESS NOTED OTHERWISE OR ONTO THE GROUND.</p> <p>4. MANHOLE, CATCH BASIN AND INLET BOTTOMS SHALL BE PRECAST CONCRETE SECTIONAL UNITS OR MONOLITHIC CONCRETE. MANHOLES AND CATCH BASINS SHALL BE 4' IN DIAMETER UNLESS OTHERWISE SPECIFIED ON THE PLANS. MANHOLE JOINTS SHALL BE BUTYL ROPE JOINTS. A MAXIMUM OF SIX (6) INCHES ADJUSTING RINGS SHALL BE USED TO ADJUST FRAME ELEVATIONS. THE ADJUSTING RINGS SHALL BE SET IN FULL MORTAR BED.</p> <p>5. ALL STORM SEWERS SHALL BE INSTALLED ON A TYPE A BEDDING, 1/4" TO 3/4" IN SIZE, WITH A MINIMUM THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE BUT NOT LESS THAN 4". BLOCKING OF ANY KIND FOR GRADE IS NOT PERMITTED. THE GRANULAR MATERIAL FOR BEDDING AND TRENCH BACKFILL MATERIAL SHALL CONFORM TO IDOT GRADATION CA-6. THE GRANULAR MATERIAL FOR BEDDING AND INITIAL BACKFILL FOR FLEXIBLE PIPE SHALL BE NON-ANGULAR GRAVEL MATERIAL CONFORMING TO ASTM D-2321, CLASS I. THE COST OF BEDDING MATERIAL SHALL BE MERGED WITH THE UNIT PRICE BID FOR THE SEWER. THE BEDDING MATERIALS SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR DENSITY.</p> <p>6. THE FRAME AND GRATE OR CLOSED LID SHALL BE AS SPECIFIED ON UTILITY PLANS. THE MANHOLE LIDS SHALL BE MACHINE SURFACED, NON-ROCKING DESIGN. THE CLOSED LIDS SHALL HAVE THE WORD "STORM" AND IF A PUBLIC LINE THE MUNICIPALITY NAME EMBOSSED ON THE LID. THE JOINT BETWEEN CONCRETE SECTION AND FRAME SHALL BE SEALED WITH A MASTIC COMPOUND.</p> <p>7. ALL STORM SEWERS SHALL BE THOROUGHLY CLEANED PRIOR TO FINAL INSPECTION AND TESTING.</p> <p>8. AFTER THE STORM SEWER SYSTEM HAS BEEN CONSTRUCTED THE CONTRACTOR SHALL PLACE EROSION CONTROL AT LOCATIONS SHOWN ON THE PLANS OR AS SELECTED IN THE FIELD BY THE ENGINEER. THE PURPOSE OF THE EROSION CONTROL WILL BE TO MINIMIZE THE AMOUNT OF SILTATION, WHICH NORMALLY WOULD ENTER THE STORM SEWER SYSTEM FROM ADJACENT AND/OR UPSTREAM DRAINAGE AREAS.</p> <p>9. MINIMUM COVER SHALL BE 3' UNLESS SPECIAL PRECAUTIONS ARE SPECIFIED.</p> | |

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| | | SOIL EROSION AND SEDIMENT CONTROL | |
| | | <p>1. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF THE SUBDIVISION CONTROL ORDINANCE OF THE MUNICIPALITY AND THE ILLINOIS URBAN MANUAL.</p> <p>2. BEFORE CLEARING AND SITE GRADING BEGINS, THE CONTRACTOR/APPLICANT MUST NOTIFY GOVERNMENT AGENCY 2 WORKING DAYS PRIOR TO STARTING CONSTRUCTION ENTRANCE AND SILT FENCE WHICH SHALL BE INSTALLED AS SHOWN ON THE PLANS.</p> <p>3. THE CONSTRUCTION ENTRANCE TO THE SITE SHALL BE STABILIZED WITH GRAVEL PRIOR TO BEGIN ANY WORK ON THE SITE. THE ENTRANCE SHALL BE MAINTAINED PERIODICALLY FOR ITS EFFECTIVENESS TO REMOVE DIRT FROM CONSTRUCTION VEHICLES.</p> <p>4. SILT FILTER FENCE SHALL BE PLACED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE MUNICIPALITY'S ENGINEERING INSPECTOR TO PREVENT SEDIMENT FROM LEAVING THE SITE.</p> <p>5. SILT FENCE SHALL BE INSTALLED AND MAINTAINED AROUND THE STORM STRUCTURES SHOWN ON THE PLANS.</p> <p>6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES.</p> <p>7. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES WEEKLY AND AFTER ANY STORM EVENT IN EXCESS OF 1/2". AN INSPECTION REPORT SHALL BE FILLED OUT EACH TIME AND SHALL BE KEPT IN A BINDER AT JOB SITE AT ALL TIMES ALONG WITH NOI, NPDES PERMIT & SWPPP PLAN.</p> <p>8. AT THE COMPLETION OF THE PROJECT, ALL STORM SEWER PIPES AND STRUCTURES SHALL BE THOROUGHLY CLEANED AND FREE OF DIRT AND DEBRIS. SEDIMENTATION SHALL BE REMOVED FROM THE STORM SEWER SYSTEM AND SHALL NOT BE WASHED OUT INTO THE DOWNSTEAM STORM SEWER SYSTEM OR DETENTION BASIN(S).</p> <p>9. THE TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE UNTIL ALL THE PERMANENT EROSION CONTROL ITEMS ARE FULLY FUNCTIONAL.</p> <p>10. THE GUARANTEE PERIOD SHALL START AFTER ALL THE PERMANENT EROSION CONTROL MEASURES ARE FULLY FUNCTIONAL AND ACCEPTABLE TO OWNER OR HIS REPRESENTATIVE.</p> <p>11. A. STOCKPILES OF ANY KIND SHALL NOT BE PLACED IN SPECIAL MANAGEMENT AREAS. B. SOIL STOCK PILES MUST BE STABILIZED OR COVERED AT THE END OF EACH DAY. C. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR SUCH STOCKPILE.</p> <p>12. IF THE VOLUME, VELOCITY, SEDIMENT LOAD, OR PEAK FLOW RATES OF STORM WATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION, PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM THIS DEVELOPMENT SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.</p> <p>13. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.</p> <p>14. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THEN 14 DAYS FROM THE INITIATION OF STABILIZATION WORK IN THE AREA.</p> <p>15. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING, IRRIGATION, OR FIRE HYDRANT FLUSHING SHALL BE FILTERED PRIOR TO LEAVING PROJECT SITE.</p> <p>16. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH AND VEHICLE WASHDOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT THE DEPOSIT OF SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED IMMEDIATELY.</p> <p>17. ALL CONTRACTORS AND SUB CONTRACTORS SHALL COMPLY WITH SWPPP PLAN AND NPDES REQUIREMENT & SHALL SIGN SWPPP ON FILE WITH OWNER OR GENERAL CONTRACTOR.</p> <p>18. THE ENTIRE SITE MUST BE STABILIZED USING A HEAVY MULCH LAYER OR ANOTHER METHOD AT THE CLOSE OF THE CONSTRUCTION SEASON.</p> <p>19. TECHNIQUES SHALL BE EMPLOYED TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE.</p> | |
| | | PAVEMENT | |
| | | <p>1. FINE GRADING</p> <p>A. PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER AND THE PLACEMENT OF THE BASE MATERIAL, THE STREETS SHALL BE FINE GRADED TO WITHIN 0.05 FEET OF FINAL SUBGRADE ELEVATION, TO A POINT TWO (2) FEET BEYOND THE BACK OF CURB.</p> <p>2. CURB AND GUTTER</p> <p>A. THE TYPE OF THE CURB AND GUTTER SHALL BE AS DETAILED ON THE ENGINEERING PLANS.</p> <p>B. THE CURBS SHALL BE BACKFILLED AFTER THEIR CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE.</p> <p>C. THE STONE UNDER CURB AND GUTTER SHALL BE CONSIDERED INCIDENTAL.</p> <p>D. THE CURB DEPRESSIONS FOR DRIVEWAYS AND HANDICAPPED RAMPS SHALL BE INSTALLED PER PLANS AND IDOT STANDARDS.</p> <p>3. PAVEMENT</p> <p>A. THE PAVED MATERIALS SHALL BE AS DETAILED ON THE ENGINEERING PLANS. THICKNESSES SPECIFIED SHALL BE CONSIDERED TO BE THE MINIMUM COMPACTED THICKNESS.</p> <p>4. GENERAL</p> <p>THE PAVING CONTRACTOR SHALL:</p> <p>A. REPAIR ANY BASE COURSE AND BINDER COURSE FAILURES PRIOR TO THE INSTALLATION OF THE FINAL BITUMINOUS CONCRETE SURFACE COURSE.</p> <p>B. SWEEP CLEAN THE BINDER COURSE PRIOR TO THE INSTALLATION OF THE FINAL BITUMINOUS CONCRETE SURFACE COURSE. ANY DAMAGE TO THE BINDER COURSE SHALL BE REPAIRED BY THE CONTRACTORS AT NO ADDITIONAL COST TO THE OWNER.</p> <p>C. PROVIDE CONSTRUCTION, EXPANSION, AND CONTRACTION JOINTS FOR CURB AND GUTTER, AND P.C.C. SIDEWALK PER IDOT STANDARDS AND MUNICIPAL STANDARDS.</p> <p>D. REMOVE ALL EXCESS MATERIALS AND DEBRIS AND DISPOSE OFF-SITE AT NO ADDITIONAL COST TO THE OWNER.</p> <p>5. TESTING AND FINAL ACCEPTANCE</p> <p>A. PRIOR TO THE PLACEMENT OF THE BASE COURSE, THE SUBGRADE MUST BE PROOF ROLLED AND INSPECTED FOR UNSUITABLE SUBGRADE LOCATIONS. IF UNSUITABLE SUBGRADE IS ENCOUNTERED, IT SHALL BE REMOVED AND REPLACED WITH GRANULAR MATERIAL APPROVED BY THE OWNER OR HIS REPRESENTATIVE. THE SUBGRADE SHALL HAVE MINIMUM IBR VALUE OF 3.0.</p> <p>B. PRIOR TO PLACEMENT OF THE BITUMINOUS CONCRETE SURFACE COURSE THE CONTRACTOR, WHEN REQUIRED, SHALL OBTAIN SPECIMENS OF THE BINDER COURSE WITH A CORE DRILL WHERE DIRECTED, FOR THE PURPOSE OF THICKNESS VERIFICATION, IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".</p> <p>C. FINAL ACCEPTANCE OF THE TOTAL PAVEMENT INSTALLATION SHALL BE SUBJECT TO THE TESTING AND CHECKING REQUIREMENTS CITED ABOVE.</p> <p>6. METHOD OF MEASUREMENT</p> <p>A. CURB AND GUTTER, AND BASE COURSE SHALL BE MEASURED IN THE FIELD BY THE CONTRACTOR. THE QUANTITIES SHALL BE SUBMITTED TO THE ENGINEER FOR VERIFICATION WHEN REQUESTED BY THE OWNER.</p> <p>B. WHEN REQUESTED BY THE OWNER, DOCUMENTATION FOR THE INSTALLED BASE COURSE, BITUMINOUS CONCRETE BINDER, AND SURFACE COURSE, SHALL BE SUBMITTED TO THE ENGINEER FOR VERIFICATION AS REQUIRED BY THE MUNICIPALITY. THE CONTRACTOR SHALL OBTAIN SPECIMENS OF THE BITUMINOUS CONCRETE WITH A CORE DRILL WHERE DIRECTED, IN ORDER TO CONFIRM THE PLAN THICKNESS. DEFICIENCIES IN THICKNESS SHALL BE ADJUSTED FOR BY THE METHOD DESCRIBED IN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".</p> <p>7. BARRICADES</p> <p>IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE PROPER BARRICADING, WARNING DEVICES AND THE SAFE MANAGEMENT OF TRAFFIC WITHIN THE AREA OF CONSTRUCTION. ALL SUCH DEVICES AND THEIR INSTALLATION SHALL CONFORM TO THE ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION AND IN ACCORDANCE WITH THE SUBDIVISION CONTROL ORDINANCE OF THE MUNICIPALITY.</p> | |

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| REMARKS | | DATE | | NO. | | | | | |
| | | 06/20/20 | | 1. | | | | | |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; font-size: 1.2em;">ADVANTAGE CONSULTING ENGINEERS</div> <div style="text-align: center;"> <p style="margin: 0;">260 N. LINDEN AVENUE WESTMONT, ILLINOIS</p> <p style="margin: 0;">NATURE'S BEST 275 NORTH CASS AVENUE WESTMONT, IL 60559</p> </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em;">80 MAIN STREET - SUITE 17 - LEWISTON, ILLINOIS 60439 647-260-4758 WWW.ACEBUI.COM</div> </div> | | | | | | | | | |
| MARCH 10, 2020 JOB: 20-014 SHEET: <div style="font-size: 1.5em; font-weight: bold; display: inline-block;">S1</div> 5 OF 7 | | | | | | | | | |



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| DATE | 06/30/20 |
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ADVANTAGE
CONSULTING ENGINEERS
80 MAIN STREET - SUITE 17 - LEMONT, ILLINOIS 60439
847-260-4758
WWW.ACEENR.US

CROSS SECTIONS
260 N. LINDEN AVENUE
WESTMONT, ILLINOIS

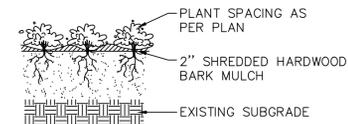
NATURE'S BEST
275 NORTH CASS AVENUE
WESTMONT, IL 60559

MARCH 10, 2020
JOB: 20-014
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XS1
7 OF 7

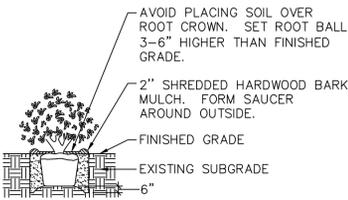
GENERAL NOTES

- Contractor shall verify underground utility lines and is responsible for any damage.
- Contractor shall verify all existing conditions in the field prior to construction and shall notify landscape architect of any variance.
- Material quantities shown are for contractors convenience only. The Contractor must verify all material and supply sufficient materials to complete the job per plan.
- The engineer reserves the right to inspect trees and shrubs either at place of growth or at site before planting, for compliance with requirements of variety, size and quality.
- Work shall conform to American Standard for Nursery Stock, State of Illinois Horticultural Standards, and Local Municipal requirements.
- Contractor shall secure and pay for all permits, fees, and inspections necessary for the proper execution of this work and comply with all codes applicable to this work.
- See General Conditions and Specifications for landscape work for additional requirements.

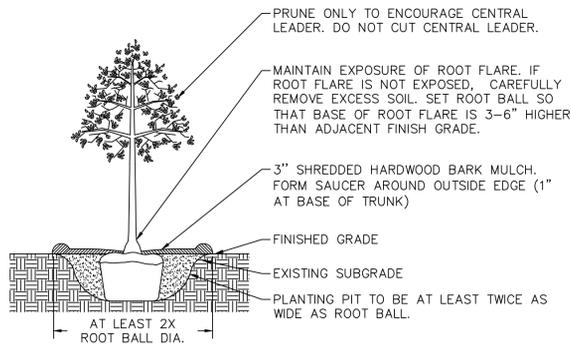
PLANTING DETAILS



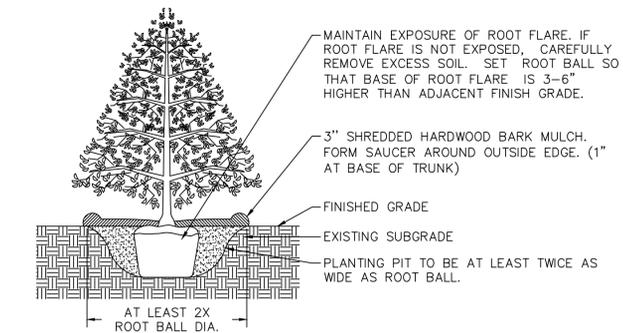
PERENNIALS AND GROUNDCOVERS NOT TO SCALE



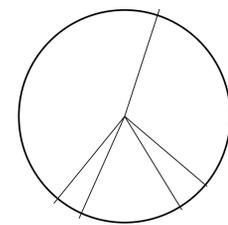
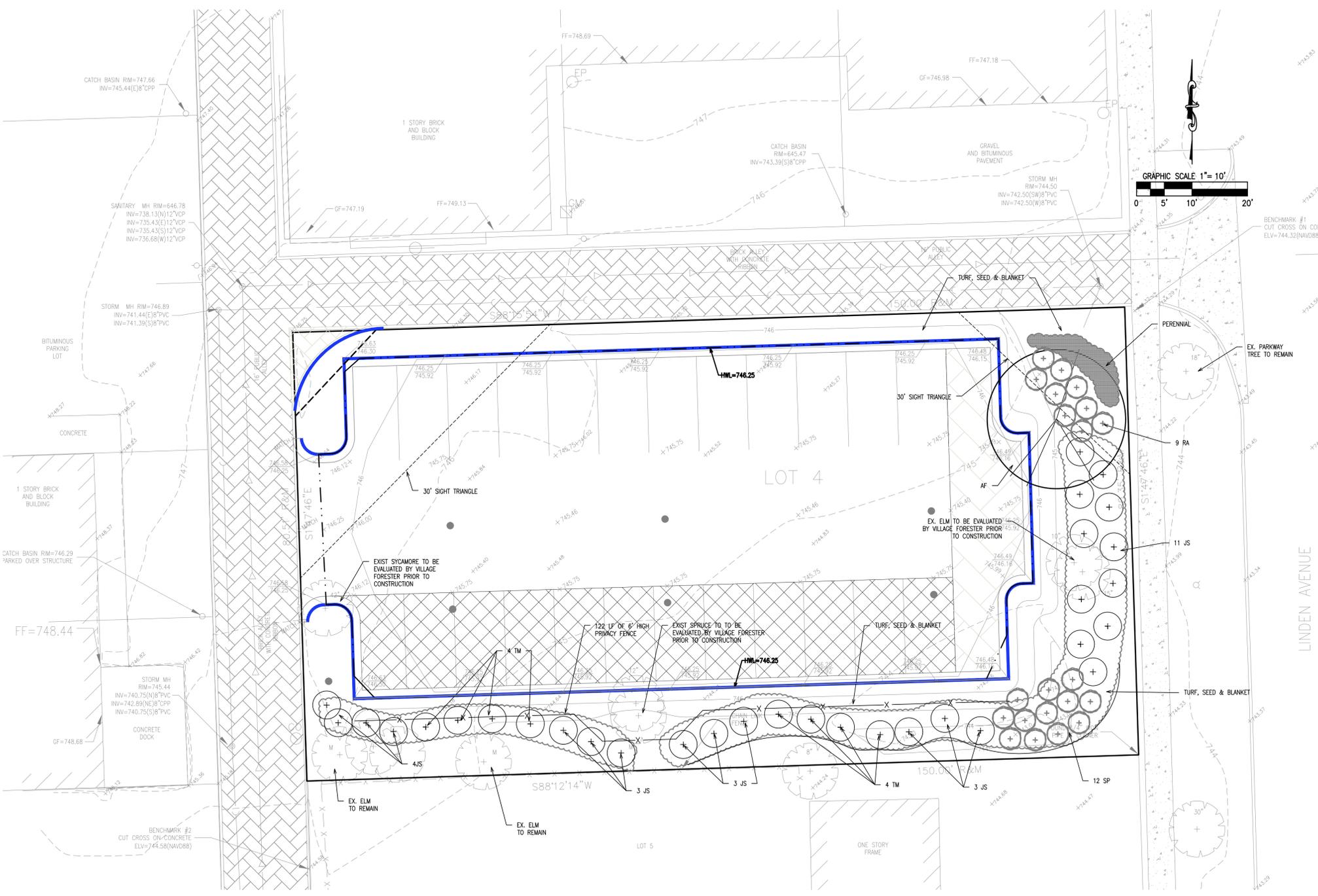
DECIDUOUS AND EVERGREEN SHRUBS NOT TO SCALE



DECIDUOUS TREES NOT TO SCALE



EVERGREEN TREES NOT TO SCALE



SHADE TREE



EVERGREEN SHRUBS



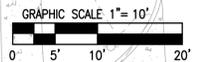
DECIDUOUS TREES



PERENNIAL

LANDSCAPE PLANTINGS

| Key | Quantity | Botanical Name | Common Name | Size | Remarks |
|-----|----------|--|------------------------|------------|-----------|
| AF | 1 | SHADE TREES <i>Acer x freemanii</i> 'Jeffers' Red' | AUTUMN BLAZE MAPLE | 2 1/2" Cal | |
| RA | 9 | DECIDUOUS SHRUBS <i>Rhus aromatica</i> 'Gro-Low' | GRO-LOW FRAGRANT SUMAC | 24" Wide | 3.5' O.C. |
| SP | 12 | <i>Syringa patula</i> 'Miss Kim' | MISS KIM LILAC | 30" Tall | 4' O.C. |
| JS | 24 | EVERGREEN SHRUBS <i>Juniperus chinensis</i> 'Sea Green' | SEA GREEN JUNIPER | 30" Wide | 5' O.C. |
| TM | 8 | <i>Taxus x media</i> 'Densiformis' | DENSE YEW | 30" Wide | 4' O.C. |
| HH | 25 | ORNAMENTAL GRASSES <i>Hemerocallis</i> 'Happy Returns' | HAPPY RETURNS DA YLILY | #1 | 18" O.C. |
| | 4 | MISC. MATERIALS Shredded Hardwood Mulch | | C.Y. | |
| | 375 | Turf Seed & Blanket | | S.Y. | |



| NO. | DATE | REMARKS |
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| 1. | 06/26/20 | REVISED PER WESTMONT |

ADVANTAGE
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80 MAIN STREET - SUITE 17 - LEMONT, ILLINOIS 60439
631-260-4758
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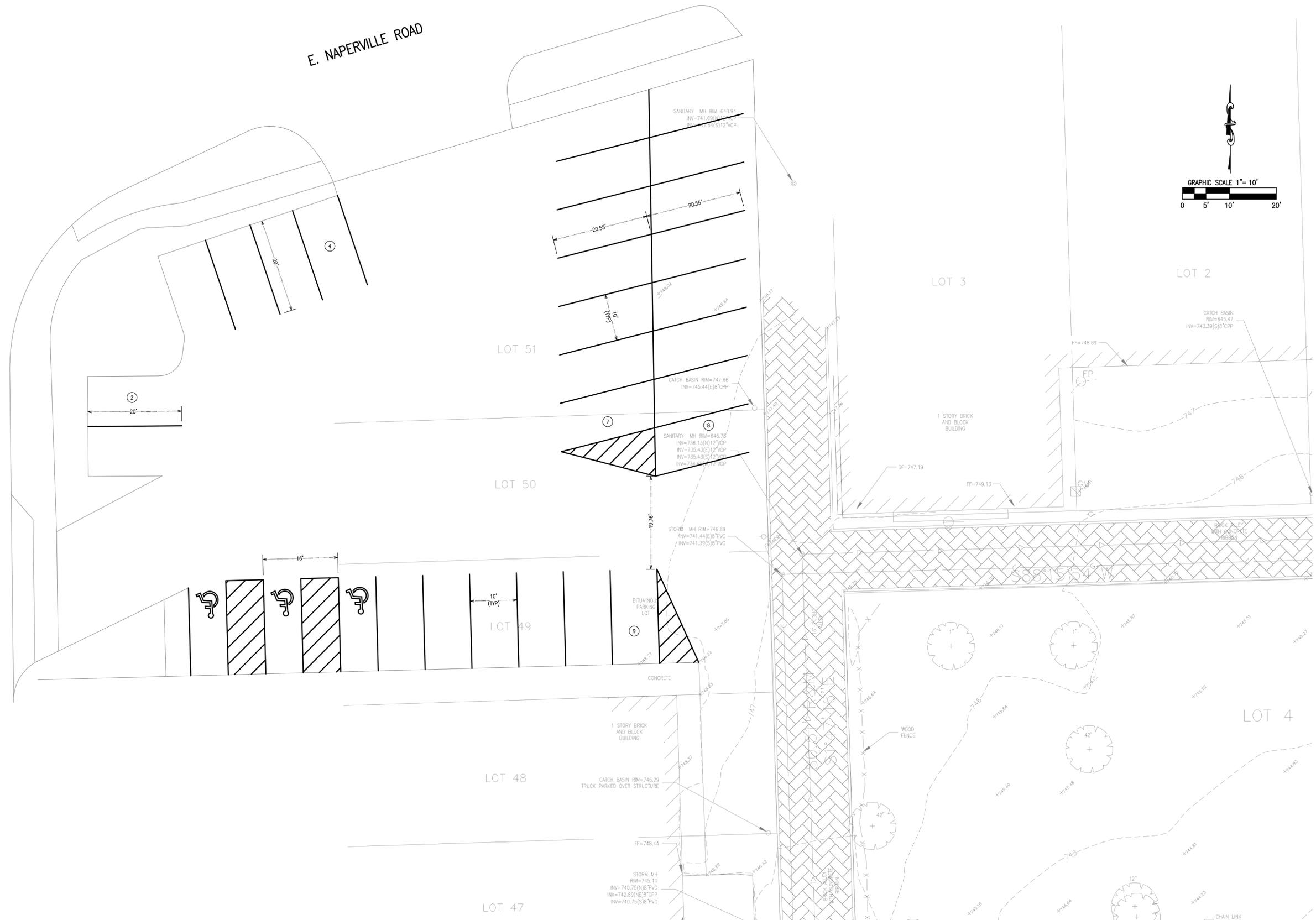
LANDSCAPE PLAN - 1
260 N. LINDEN AVENUE
WESTMONT, ILLINOIS

NATURE'S BEST
275 NORTH CASS AVENUE
WESTMONT, IL 60559

MARCH 10, 2020
JOB: 20-014
SHEET:
LS1
1 OF 7

N. CASS AVENUE

E. NAPERVILLE ROAD



| NO. | DATE | REMARKS |
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PARKING RESTRIPING EXHIBIT
260 N. LINDEN AVENUE
WESTMONT, ILLINOIS

NATURE'S BEST
275 NORTH CASS
WESTMONT, IL 60559

JANUARY 31, 2020
 JOB: 20-014
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1
 1 OF 1