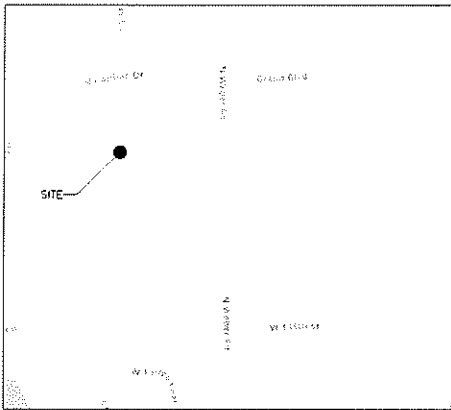


SITE IMPROVEMENT PLANS
FOR
LOT 8 IN CARILLON COURT RESUB. PH. 2
SE CORNER MAGNOLIA DR. & NORTH CARILLON DR.



LOCATION MAP

BENCHMARKS

REFERENCE WILL COUNTY GPS #403 ELEV=603.19 NAVD 83
SITE CUT CROSS ON TOP OF CURB EAST SIDE OF MAGNOLIA DRIVE
APPROXIMATELY 145 FEET SOUTH OF RED BERRY CIRCLE INTERSECTION
ELEV=641.22 NAVD 83

PROPERTY INFORMATION

ADDRESS: SE CORNER MAGNOLIA DR. & NORTH CARILLON DR.
MUNICIPALITY: VILLAGE OF ROMEVILLE
COUNTY: WILL
SECTION: SEC 31 T37N R16E
PIN(S): 12-02-31-480-032

INDEX OF SHEETS

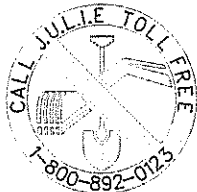
1. TITLE SHEET
2. EXISTING CONDITIONS
3. GEOMETRIC PLAN
4. GRADING PLAN
5. UTILITY PLAN
6. STORMWATER POLLUTION PREVENTION PLAN
7. EROSION CONTROL PLAN
8. CONSTRUCTION DETAILS
9. SPECIFICATIONS

OWNER: NOBLE ILLINOIS, LLC
SHARADZ ANDAR
7936 S. WILSON ST.
BURR RIDGE, IL 60527

CLIENT: UNITED ARCHITECTS
1002 PLAINFIELD RD
JOLIET, IL 60435

VILLAGE CONTACT: MR. JONATHAN ZABROCH, P.E.
C/O VILLAGE OF ROMEVILLE
615 ANDERSON DRIVE
ROMEVILLE, IL 60446
815-886-1870

WARNING



CALL BEFORE
YOU DIG

THE PUBLIC WORK & UTILITIES DEPARTMENTS AND
BUILDING DEPARTMENT SHALL BE NOTIFIED A MINIMUM
OF 48 HOURS PRIOR TO THE START OF OR RESUMPTION
OF WORK ON THE PROJECT

EXISTING	LEGEND	PROPOSED
---	STORM SEWER (RCP)	==>==
---	STORM SEWER (PVC/HDP)	==>==
---	SANITARY SEWER	==>==
---	WATER MAIN	==W==
●	FIRE HYDRANT	▲
○	VALVE VAULT	⊕
+	VALVE BOX	⊕
⊕	STORM SEWER MANHOLE	⊕
⊕	CATCH BASIN	⊕
○	INLET	■
---	FLARED END SECTION	▲
⊕	SANITARY SEWER MANHOLE	⊕
⊕	STREET LIGHT	✱

DRAINAGE & ENGINEER CERTIFICATE

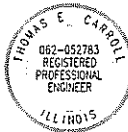
I, THOMAS CARROLL, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY AFFIRM THAT THESE DOCUMENTS HAVE BEEN PREPARED BY OR UNDER MY DIRECT SUPERVISION AND CONTROL AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE DOCUMENTS HAVE BEEN PREPARED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS AND PRACTICES AND COMPLY WITH APPLICABLE LAWS, CODES AND ORDINANCES.

FURTHERMORE, ADEQUATE STORM WATER STORAGE AND DRAINAGE CAPACITY HAS BEEN PROVIDED FOR THIS DEVELOPMENT, SUCH THAT SURFACE WATER FROM THE DEVELOPMENT WILL NOT BE DIVERTED ONTO AND CAUSE DAMAGE TO ADJACENT PROPERTY FOR STORMS UP TO AND INCLUDING THE ONE HUNDRED (100) YEAR EVENT, AND THAT THE DESIGN PLANS ARE IN COMPLIANCE WITH ALL APPLICABLE STATE, COUNTY, AND VILLAGE ORDINANCES.

DATED THIS 27TH DAY OF AUGUST, 2024

Thomas Carroll

THOMAS CARROLL, P.E.
ILLINOIS P.E. #002,052,783
LICENSE EXPIRES 11.30.2025
GEOTECH INCORPORATED PROFESSIONAL
DESIGN FIRM NUMBER 184-000165



PROJECT NO. 21586
DATE: 12.20.23
DRAWN BY: TC
CHECKED BY: CP

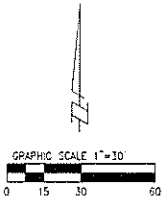
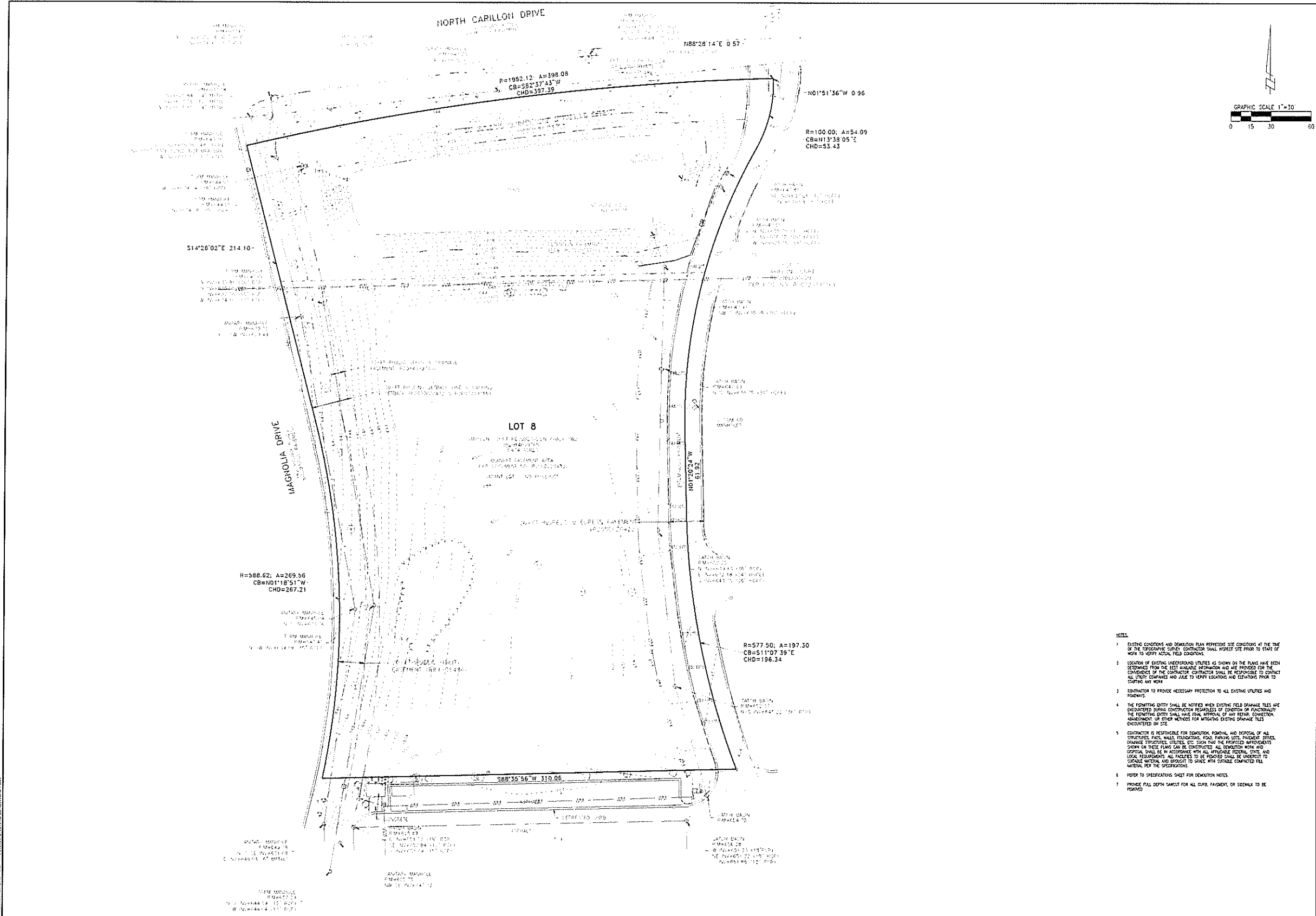
SHEET NO.

1

LOT 8 CARILLON COURT RESUB PHASE 2
MAGNOLIA DR. & NORTH CARILLON DR.
ROMEVILLE, IL

TITLE SHEET

PROJECT: LOT 8 CARILLON COURT RESUB PHASE 2
DRAWING: EXISTING CONDITIONS PLAN
DATE: 07/20/24



SEAL/STAMP

NO.	DATE	REVISION
1	5/21/24	INITIAL SURVEY
2	7/2/24	REV PER VALUE
3	7/2/24	REV PER VALUE
4	8/27/24	REV PER VALUE

LOT 8 CARILLON COURT RESUB PHASE 2
MAGNOLIA DR. & NORTH CARILLON DR.
ROMEDEVILLE, IL

EXISTING CONDITIONS PLAN

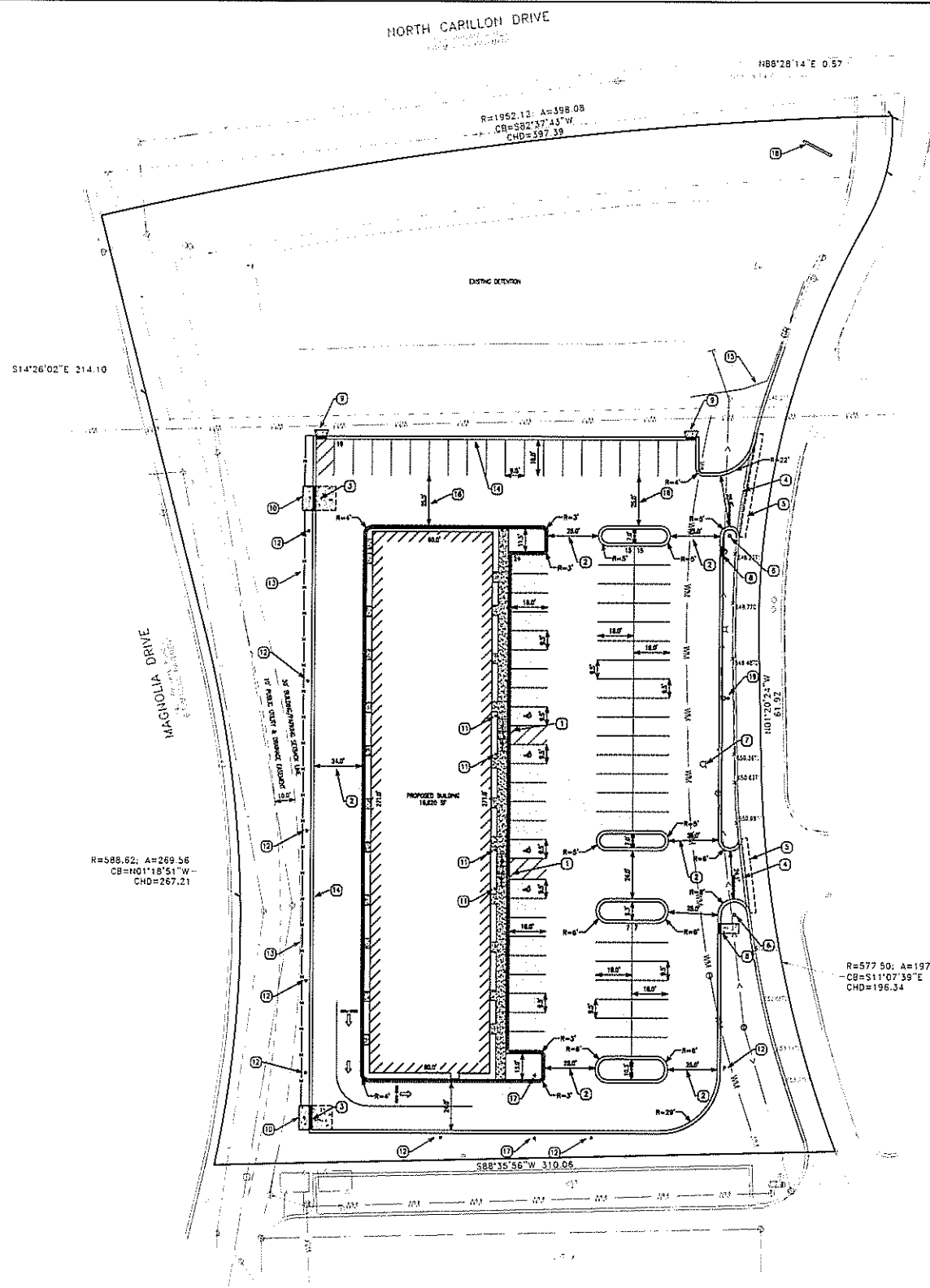
GEOTECH INC.
CONSULTING ENGINEERS - LAND SURVEYORS
1207 CEDARWOOD DRIVE CREST HILL, ILLINOIS 63043 815/730-1010

PROJECT NO. 21586
DATE: 12-30-23
DRAWN BY: CP
CHECKED BY: CP

SHEET NO.
2

- NOTES:
- EXISTING CONDITIONS AND DEMONSTRATION PLAN REPRESENT SITE CONDITIONS AT THE TIME OF THE SURVEYING. CONTRACTOR SHALL VERIFY SITE PRIOR TO START OF WORK TO VERIFY ACTUAL FIELD CONDITIONS.
 - LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL UTILITY COMPANIES AND OBTAIN ALL NECESSARY INFORMATION PRIOR TO STARTING ANY WORK.
 - CONTRACTOR TO PROVIDE NECESSARY PROTECTION TO ALL EXISTING UTILITIES AND FOUNDATIONS.
 - THE REMOVING DITCH SHALL BE NOTIFIED WHEN EXISTING FIELD DRAINAGE TILES ARE ENCOUNTERED DURING CONSTRUCTION. REPAIRS OF CORROSION OR FUNCTIONALITY OF THE REMOVING DITCH SHALL HAVE FINAL APPROVAL OF ANY REPAIR, CONNECTION, ABANDONMENT, OR OTHER METHODS FOR ADDRESSING EXISTING DRAINAGE TILES ENCOUNTERED ON SITE.
 - CONTRACTOR IS RESPONSIBLE FOR REMOVAL, REPAIR, AND DISPOSAL OF ALL EXISTING STRUCTURES, FENCES, UTILITIES, FLOOD FLOODING, LOT, PAVEMENT, DRIVE, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS CAN BE CONSTRUCTED. ALL DEMOLITION WORK AND DISPOSAL SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. ALL FACILITIES TO BE REMOVED SHALL BE UNDERGROUNDED MATERIALS AND BRUSHES TO BE REMOVED SHALL BE UNDERGROUNDED MATERIALS FOR THE OPERATION.
 - REFER TO SPECIFICATIONS SHEET FOR DEMONSTRATION NOTES.
 - PROVIDE FULL DEPTH SAMPLE FOR ALL CLAYS, FILL, OR SOILS TO BE REMOVED.

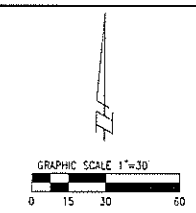
10/20/2023 10:00 AM
10/20/2023 10:00 AM
10/20/2023 10:00 AM



N01°51'36\"W 0.96
R=100.00, A=54.09
CB=N11°38'05\"E
CHD=53.43

R=588.62, A=269.56
CB=N01°18'51\"W
CHD=267.21

R=577.50, A=197.30
CB=S11°07'39\"E
CHD=196.34

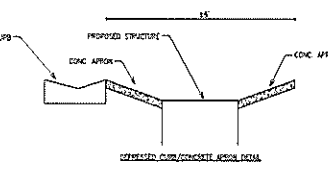


- NOTES:
1. BUILDING DIMENSIONS AND ADJACENT IMPROVEMENTS (WALKS, CURBS, RAMP, PLANTERS, DRAINAGE, TRANSFORMERS, WALLS, CURBING, ETC.) HAVE BEEN SHOWN FOR REFERENCE BASED ON LATEST ARCHITECTURAL PLANS. AFTER TO ARCHITECTURAL PLANS FOR PROPOSED BUILDING EXACT LOCATIONS, DIMENSIONS, INTERFERENCES, ETC.
 2. PROVIDE EXISTING CURBS, RAMP, AND DETECTABLE WARNING SURFACE AT ALL HANDICAP ACCESSIBLE SIDEWALK AND PATH LOCATIONS FOR FEDERAL AND STATE TOWNSHIP. SEE DETAIL SHEET FOR SIDEWALK DETAIL.
 3. ALL CONNECTIONS TO EXISTING PAVEMENT SHALL BE PROVIDED WITH A BUTT JOINT.
 4. PROVIDE FULL DEPTH SANDST FOR ALL CURB, PAVEMENT, OR SIDEWALK TO BE REMOVED.
 5. ALL ROADWAY AND PARKING LOT SIGNAGE, STRIPING, SIGNPOSTS, ETC. SHALL BE IN ACCORDANCE WITH LATEST JURISDICTIONAL CRIMINOLOGICAL ENTRY DETAILS.
 6. EXISTING PAVEMENT TO BE REMOVED HAVE BEEN OBTAINED FROM PLAN FOR CLARITY. SEE EXISTING CONDITIONS & CONSTRUCTION PLAN FOR EXISTING PAVEMENT.
 7. ALL PROPOSED CURB & GUTTER SHALL BE CONNECTED TO EXISTING CURB & GUTTER WITH 2'-6\"BARS & 18\" LONG DOWNED INTO EXISTING CURB.
 8. ACCESSIBLE PARKING STALLS SHALL BE STRIPPED WITH YELLOW PAINT. NON-ACCESSIBLE PARKING STALLS SHALL BE STRIPPED WITH A HIGH-QUALITY WHITE PAINT. ALL PAINT USED FOR MARKINGS SHALL BE MANUFACTURED SPECIFICALLY FOR PAVEMENT STRIPING.
 9. DETECTABLE WARNING PLATES SHALL BE EAST JORDAN RESISTS, HEAVY DUTY RAINING, HIGH RED POWDER COATING RAINING.

NO.	DATE	REVISION
1	10/20/23	REV. PER VILLAGE
2	10/20/23	REV. PER VILLAGE
3	10/20/23	REV. PER VILLAGE

PROPOSED IMPROVEMENTS

1. PROVIDE CURB RAMP (PARALLEL TO CURB) WITH DEPRESSIBLE CURB, DETECTABLE WARNING PLATES, LANDING, AND SIDE CURB FOR FOOT STAIRS/STAIRS. 42X18-48\"X18\" DETAIL SHEET. DETECTABLE WARNING PLATES SHALL BE EAST JORDAN RESISTS, HEAVY DUTY RAINING, HIGH RED POWDER COATING RAINING. TWO 30\"X14\" PLATES ARE REQUIRED FOR 3' WALKS.
2. PAVEMENT DIMENSIONS ARE EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS FOR DETAILS.
4. EXISTING CURB AND GUTTER TO BE REMOVED AND REPLACED WITH DEPRESSIBLE CURB AND GUTTER. PROVIDE PROPOSED DRAINAGE. SEE DETAIL. PROPOSED CURB TO BE CONNECTED TO EXISTING CURB WITH THREE (3) BARS AND DOWNED NO. 1 REINFORCING BARS OR EXPANSION TE. ANCHORS, 1\" IN DIAMETER.
5. SHORT EXISTING PAVEMENT 3 FEET FROM EDGE OF CURB PAVEMENT TO BE REMOVED WITH CURB AND GUTTER. PROVIDE AND RETAINMENT. PAVEMENT TO BE INSTALLED WITH BUTT JOINTS MATCHING EXISTING PAVEMENT.
6. STOP SIGN, R1-1, 36\" X 30\" X 1/2\" WHITE STOP SIGN.
7. EXISTING PIPE IN ROADWAY TO BE RELOCATED. SEE UTILITY PLAN FOR DETAILS.
8. PROVIDE DEPRESSIBLE CURB AND CONCRETE APPROX/CONCRETE DOWN TO EXISTING STRUCTURE. SEE DETAIL.
9. PROVIDE CURB OUTLET WITH CONCRETE APPROX AND 30\" RAMP. SEE DETAIL.
10. SOLID WALL FOR TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS FOR DETAILS.
11. ACCESSIBLE STALL PARKING SIGN.
12. TWO PARKING OR STANDING - FREE LAKE\" SIGN.
13. 8\" VINYL SOLID/PRIVATE FENCE.
14. PROVIDE CONSTRUCTION CURB AND RETAINMENT WALL. SEE DETAIL. SEE GRADING PLAN FOR ELEVATIONS.
15. EXISTING GUTTER TO BE REMOVED AND REPLACED WITH SAND/GRANITE. SEE LANDSCAPE PLAN FOR DETAILS.
16. PAVEMENT 6\" FROM EDGE OF STALL TO EDGE OF PAVEMENT (ON EDGE OF STALL TO FACE OF CURB).
17. DO NOT ENTER SIGN.
18. WARNING SIGN, SEE ARCHITECTURAL PLANS FOR DETAILS. LOCATION TO BE COORDINATED IN FIELD WITH OWNER. WARNING 10\" SETBACK FROM PROPERTY LINE TO NORTH AND CURB LINE TO EAST.
19. VERIFY EXISTING EDGE OF EXISTING STORM SEWER PRIOR TO INSTALLING LIGHT POLE.



PAVEMENT MATERIAL	DETAILS
BRUSHWOOD PAVEMENT (PARKING STALLS) (S=12.5)	1.5\" HMA SURFACE, 4\" D. 100 2.5\" HMA BASE, 4\" D. 100 3\" AGGREGATE, TYPE B, CA-4
BRUSHWOOD PAVEMENT (DRIVE ACCESS/PAVEMENTS) (S=12.5)	1.5\" HMA SURFACE, 4\" D. 100 2.5\" HMA BASE, 4\" D. 100 3\" AGGREGATE, TYPE B, CA-4
PCC PAVEMENT (4000 PSI)	8\" PORTLAND CEMENT CONCRETE W/8\" W/F 4\" AGGREGATE, TYPE B, CA-4
PCC SIDEWALK	4\" PCC, 4000 PSI 4\" AGGREGATE, CA-4

86.12 CURB & GUTTER
86.12 CURB & GUTTER (REVERSE SIDE)
DEPRESSIBLE CURB & GUTTER

SEAL/STAMP

NO.	DATE	REVISION
1	10/20/23	REV. PER VILLAGE
2	10/20/23	REV. PER VILLAGE
3	10/20/23	REV. PER VILLAGE

LOT 8 CARILLON COURT RESUB PHASE 2
MAGNOLIA DR. & NORTH CARILLON DR.
ROMEVILLE, IL

GEOTECH INC.
CONSULTING ENGINEERS - LAND SURVEYORS
1207 CEDARWOOD DRIVE
CREST HILL, ILLINOIS 60403 815/730-1010

PROJECT NO. 21586
DATE: 12.20.23
DRAWN BY: TC
CHECKED BY: CP

SHEET NO.
3

NOTES

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE CLEAN WATER ACT AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION ACT (NPDES) FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

1. SITE DECLARATION

THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY THAT IS THE SUBJECT OF THIS PLAN.

- A. THE CONSTRUCTION SITE ACTIVITIES FOR THE SITE IMPROVEMENTS WILL INCLUDE, AS NECESSARY, TOPSOIL EXCAVATION AND STOCKPILING, EARTH EXCAVATION AND STOCKPILING OF EXCAVATED MATERIAL, INSTALLATION OF WATER AND SEWER UTILITIES, STORM SEWERS, AND OTHER MUNICIPAL INFRASTRUCTURE SUCH AS TELECOMMUNICATIONS, GAS AND ELECTRIC SERVICES, CURBS AND GUTTERS, PARKING, AND ASPHALT DRIVEWAYS. STABILIZATION OF PERMANENT AREAS WITH SEED AND/OR OTHER LANDSCAPING MATERIALS, SOIL EROSION AND SEDIMENTATION MEASURES AND OTHER ACTIVITIES THAT MAY BE NECESSARY TO PREVENT ACCIDENT AND DOWNSTREAM WATER COURSE FROM DAMAGE.
- B. THE EXPECTED SEVERITY OF ACTIVITIES THAT WILL CAUSE SIGNIFICANT DISTURBANCE AND DISRUPTION ARE AS FOLLOWS: SITE CLEARING, TOPSOIL EXCAVATION AND STOCKPILING, EARTH EXCAVATION AND RESTORATION OF DISTURBED AREAS PRIOR TO THE COMMENCEMENT OF ANY SITE DISTURBANCE ACTIVITY, SILT FENCE, CONSTRUCTION ENTRANCE AND ANY REQUIRED DOWN-SLOPE PROTECTION MUST BE INSTALLED. ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED, AS NOTED ON THE PLAN, AS CONSTRUCTION ACTIVITY PROGRESSES.
- C. THE ESTIMATED STORMWATER RUNOFF COEFFICIENT ARE CONTAINED IN THE PROJECT DESIGN NARRATIVE ON FILE WITH THE LOCAL AGENCY HAVING JURISDICTION OVER THIS PROJECT. INFORMATION REGARDING SOIL CLASSIFICATIONS, ESTIMATED RUNOFF AND DETAILED COMPUTATIONS FOR THE MANAGEMENT OF STORMWATER RUNOFF ARE CONTAINED IN THE PROJECT DESIGN NARRATIVE, WHICH IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS PLAN.

2. CONTROLS

THE PLAN ADDRESSES VARIOUS CONTROLS THAT MUST BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED ABOVE. FOR EACH OF THE CONTROLS LISTED BELOW, THE CONTRACTORS SHALL BE RESPONSIBLE FOR ITS IMPLEMENTATION. EACH CONTRACTOR HAS SIGNED THIS PLAN ACKNOWLEDGING RESPONSIBILITY FOR THE IMPLEMENTATION AND ONGOING MAINTENANCE OF THIS PLAN.

A. SOIL EROSION AND SEDIMENT CONTROLS

1. STABILIZATION PRACTICES: EXISTING VEGETATION SHOULD BE PRESERVED AS LONG AS POSSIBLE. DISTURBED AREAS SHOULD BE STABILIZED AS SOON AS POSSIBLE. STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CREATED. IF IN NO CASES SHOULD THERE BE ANY DELAY IN IMPLEMENTING STABILIZATION MEASURES. STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE.

THE FOLLOWING INTERIM AND PERMANENT STABILIZATION PRACTICES, AS A MINIMUM, SHALL BE APPLIED TO STABILIZED DISTURBED AREAS: PERMANENT VEGETATION, VEGETATIVE FILTERS, STABILIZED CONSTRUCTION ENTRANCES, AND BARRIER FILTERS.

2. STRUCTURAL PRACTICES: THE FOLLOWING STRUCTURAL PRACTICES SHALL BE IMPLEMENTED TO THE EXTENT POSSIBLE TO PREVENT EARTH EROSION, STABILIZATION OF EXPOSED SOILS, AND TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THE EXPOSED SOILS. STORM WATER CONVEYANCE CHANNELS AND PERMANENT SEEDING.

THE FOLLOWING MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGE THAT MAY OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF SOME OF THESE DEVICES MAY BE SUBJECT TO THE PROVISIONS OF SECTION 4 OF THE CLEAN WATER ACT. THE PRACTICES BEING IMPLEMENTED BY THIS PLAN WERE SELECTED ON THE BASIS OF THE TECHNICAL GUIDANCE CONTAINED IN THE EPA'S STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AS WELL AS OTHER DOCUMENTS AND ORDINANCES LISTED IN THE SPECIFICATIONS.

THE STORM WATER POLLUTANTS CONTROL MEASURES INCLUDE: SILT FENCE, BARRIER FILTERS, AND STORM SEWER SYSTEMS.

B. STORM WATER MANAGEMENT

1. THE FOLLOWING MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGE THAT MAY OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF SOME OF THESE DEVICES MAY BE SUBJECT TO THE PROVISIONS OF SECTION 4 OF THE CLEAN WATER ACT. THE PRACTICES BEING IMPLEMENTED BY THIS PLAN WERE SELECTED ON THE BASIS OF THE TECHNICAL GUIDANCE CONTAINED IN THE EPA'S STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AS WELL AS OTHER DOCUMENTS AND ORDINANCES LISTED IN THE SPECIFICATIONS.

THE STORM WATER POLLUTANTS CONTROL MEASURES INCLUDE: SILT FENCE, BARRIER FILTERS, AND STORM SEWER SYSTEMS.

C. OTHER CONTROLS

1. WASTE DISPOSAL: SOLID WASTE MATERIALS INCLUDING TRADE CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIALS, CONCRETE, TOOLS AND OTHER ITEMS SHALL BE COLLECTED AND DISPOSED OFF-SITE BY THE CONTRACTOR IN AN APPROVED MANNER. THE CONTRACTOR IS RESPONSIBLE TO ACQUIRE ANY PERMIT REQUIRED FOR SUCH DISPOSAL. BURNING ON THE SITE WILL NOT BE PERMITTED. NO SOLID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY APPROPRIATE PERMITS. THIS PLAN SHALL COMPLY WITH ALL APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER AND/OR SEPTIC SYSTEM REGULATIONS.
2. SANITARY WASTE: SANITARY WASTE SHALL BE COLLECTED FROM PORTABLE UNITS PROVIDED BY THE CONTRACTOR. A MINIMUM OF TWO TIMES PER WEEK TO AVOID OVERFLOWING AND MAINTAIN SANITARY CONDITIONS AROUND THE UNIT.
3. ALL PERISHABLE PRODUCTS STORED ON-SITE SHALL BE STORED IN APPROVED CONTAINERS. ALL FUELING COUPERS SHALL HAVE SPILL KITS IMMEDIATELY AVAILABLE.
4. CONCRETE TRUCKS SHALL NOT BE PERMITTED TO WASH OUT OR DISCHARGE CURBSIDE CONCRETE OR DRUM WASH WATER ON THE SITE. SPORTS AREAS FOR THIS ACTIVITY SHALL BE DESIGNATED BY THE CONTRACTOR AND PROVIDED WITH ADEQUATE FILTRATION BARRIERS AND OTHER FACILITIES TO ASSURE THAT DISCHARGE IS CONTAINED AND CLEANED BEFORE ENTERING THE SITE STORM WATER SYSTEM.
5. DE-WATERING OF EXCAVATIONS AND OTHER SPACES, USING PUMPS OR OTHER MEANS, AND ALL DISCHARGES OF WATER CONTAMINATED WITH OIL OR SEDIMENT SHALL BE WASHED TO A PORTABLE OR PERMANENT SEDIMENT BASIN TO ASSURE ALL SUSPENDED SOLIDS ARE REMOVED PRIOR TO FLOWS LEAVING THE CONSTRUCTION SITE.

D. APPROVED STATE OR LOCAL PLANS

THE FOLLOWING PROCEDURES, CONTROLS, AND OTHER PROVISIONS CONTAINED IN THIS PLAN ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, CURRENT EDITION, LATEST EDITIONS, AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION PLAN, AND ANY GOVERNING LOCAL ORDINANCES. REQUIREMENTS SPECIFIED IN SOIL EROSION AND SEDIMENTATION PLAN, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL AGENCIES THAT ARE APPLICABLE TO PROJECTS SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NO TO BE AUTHORIZED TO DISCHARGE UNDER THIS PERMIT INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY IDENTIFIED IN THE PLAN.

3. MAINTENANCE

THE FOLLOWING PROCEDURES SHALL BE USED TO MAINTAIN IN GOOD CONDITION, VEGETATION, EROSION AND SEDIMENTATION CONTROL MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN AND THE STANDARD SPECIFICATION.

- A. STABILIZED CONSTRUCTION ENTRANCE: THE ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC STREETS. THIS WILL BE DONE BY TOP DRESSING WITH ADDITIONAL STONES, REMOVE AND REPLACE TOP LAYER OF STONE OR WASHING THE ENTRANCE. ADJACENT PUBLIC STREETS SHALL BE SWEPT FREQUENTLY IF NOT DAILY, TO ELIMINATE DUST AND SEDIMENTS.
- B. VEGETATIVE EROSION CONTROL MEASURES: THE VEGETATIVE GROWTH OF TEMPORARY AND PERMANENT SEEDING, SOILING, VEGETATIVE CHANNELS, VEGETATIVE FILTER, ETC. SHALL BE MAINTAINED PERIODICALLY AND SUPPLY ADEQUATE WATERING AND FERTILIZER. THE VEGETATIVE COVER SHALL BE REMOVED AND RESEED AS NECESSARY.
- C. SILT FENCES: THE SEDIMENTS SHALL BE REMOVED WHEN 50 PERCENT OF THE TOTAL ORIGINAL CAPACITY IS OCCUPIED BY THE SEDIMENT.
- D. RIP-RAP OUTLET PROTECTION: IT SHALL BE INSPECTED AFTER HIGH FLOWS FOR ANY SCOUR BEYOND THE RIP-RAP OR FOR STONES THAT HAVE BEEN DISLOOSED. IT SHALL BE REPAIRED IMMEDIATELY.

4. INSPECTIONS

UNLESS OTHERWISE DIRECTED BY THE OWNER, THE CONTRACTOR OR CONTRACTORS REPRESENTATIVE SHALL PROVIDE QUALIFIED PERSONNEL TO INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT BEEN FULLY STABILIZED. STRUCTURAL CONTROL MEASURES, AND LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SHOWFALL.

- A. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHEN DISCHARGE LOCATIONS ARE IDENTIFIED, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING CONTAMINANT IMPACTS TO RECEIVING WATERS AND ADJACENT PROPERTIES. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.
- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION 1 ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION 2 ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICAL. THE CONTRACTOR SHALL SUBMIT REVISIONS TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.
- C. A REPORT DESCRIBING THE SCOPE OF THE INSPECTION, NAMES AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATES OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION 4B SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE USE OF THE INSPECTION. THE REPORT SHALL BE SIGNED BY THE CONTRACTORS DESIGNATED "QUALIFIED INDIVIDUAL" AND COPIES FORWARDED TO THE ENGINEER AND OWNER.
- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE CONTRACTOR OR CONTRACTORS REPRESENTATIVE SHALL COMPLETE AND FILE AN INDICATOR OF NONCOMPLIANCE (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE CONTRACTOR OR CONTRACTORS REPRESENTATIVE SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH THE GENERAL PERMIT. THE REPORT SHALL BE MAILED TO THE FOLLOWING ADDRESS: EPA - DIVISION OF WATER POLLUTION CONTROL, COMPLIANCE ASSURANCE SECTION, POST OFFICE BOX 12470, SPRINGFIELD, IL 62794-9270.

5. HIGH-STORM WATER DISCHARGES

EXCEPT FOR FLOWS FROM FIRE-FIGHTING ACTIVITIES, SOURCES OF HIGH-STORM WATER THAT MAY BE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE ACTIVITY ADDRESSED IN THIS PLAN ARE AS FOLLOWS:

- A. WATER MAIN FLUSHING
- B. FIRE HYDRANT FLUSHING
- C. WATERSHED FOR DUST CONTROL
- D. IRRIGATION DRAINAGE FOR VEGETATIVE GROWTH FOR SEEDING, ETC.
- E. UNCONTAMINATED GROUNDWATER (FROM DE-WATERING ACTIVITIES)

THE POLLUTION MEASURES SPECIFIED IN THE PLAN SHALL BE IMPLEMENTED FOR HIGH-STORM WATER COMPONENTS OF THE DISCHARGE EXCEPT THAT EROSION DUE TO IRRIGATION OF SEEDING SHALL BE CONSIDERED MAJOR.

6. GENERAL NOTES

- A. ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.
- B. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION.
- C. MAJOR AMENDMENTS OF THE SITE DEVELOPMENT OR EROSION AND SEDIMENTATION CONTROL PLANS SHALL BE SUBMITTED TO THE SUPERVISOR OF COMMUNITY DEVELOPMENT TO BE APPROVED BY THE SAME MANAGER AS THE ORIGINAL PLANS.

D. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY SHOVELING OR STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL.

- E. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 10 DAYS AFTER THE FINAL SITE STABILIZATION IS ACHIEVED WITH PERMANENT SOIL STABILIZATION MEASURES.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS FOLLOWING THE END OF ACTIVE DISTURBANCE OR RESTORATION.

- G. IF DRAINAGE DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. ALL DISCHARGE DEVICES SHALL BE ADDED THROUGH APPROPRIATELY DESIGNED SEDIMENT TRAPS OR BASINS.
- H. THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO CONTROL WASTE SUCH AS BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, AND SANITARY WASTE AT THE CONSTRUCTION SITE THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY.

I. ALL STORM SEWER FRAMES AND GRATES/DOSS SHALL BE MARKED WITH "DOWN-HO WASTE" AND "DANGER TO CREW".

- J. A NOTICE OF VIOLATION (NOV) MUST BE SUBMITTED TO THE ILLINOIS PERMITTING AUTHORITY AND POSTMAILED AT LEAST 30 DAYS BEFORE COMMENCEMENT OF ANY WORK ON-SITE FOR ALL CONSTRUCTION SITES OVER ONE ACRE. INCLUDED IN THE NOV SHALL BE THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), WHICH INCLUDES THE APPROPRIATE EMP'S TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE.

K. AN INCIDENT OF NON-COMPLIANCE (ION) MUST BE COMPLETED AND SUBMITTED TO THE EPA IF, AT ANY TIME, AN EROSION OR SEDIMENT CONTROL MEASURE IS VIOLATED.

- L. A NOTICE OF VIOLATION (NOV) MUST BE COMPLETED AND SUBMITTED TO THE EPA WHEN ALL PERMANENT EROSION CONTROL MEASURES ARE IN PLACE WITH A 75% ESTABLISHMENT OF VEGETATION.
- M. DUST CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 107.36 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. APPROPRIATE MEASURES INCLUDE: SPRINKLING/IRRIGATION, VEGETATIVE COVER, OR MULCH.

N. WEEKLY INSPECTION REPORTS (AND THOSE REQUIRED AFTER 1" OF RAINFALL) SHALL BE SENT VIA EMAIL TO THE ILLINOIS ENVIRONMENTAL AGENCY.

7. SITE SPECIFIC INFORMATION

SITE AREA = 3.47 ACRES

DISTURBED AREA = 2.50 ACRES

RECEIVING WATERS = LEXY CREEK

8. SEQUENCE OF EVENTS AND ESTIMATED CONSTRUCTION SCHEDULE

1. INSTALL TEMPORARY EROSION CONTROL: FALL 2024
2. EARTH EXCAVATION/DOSS GRADING: FALL 2024
3. SUSTAIN CURBS AND AGGREGATE BASE: FALL 2024
4. PERMANENT EROSION CONTROL: FALL 2024
5. SEEDING & LANDSCAPING: FALL 2024
6. 75% ESTABLISHMENT OF VEGETATION: SPRING 2025
7. REMOVE TEMPORARY EROSION CONTROL: SPRING 2025

ESTIMATED SCHEDULE SHOWN FOR REFERENCE ONLY. ACTUAL DATES WILL BE DETERMINED BY CONSTRUCTION BASED ON MULTIPLE FACTORS. ESTIMATED THAT CLEARED AREAS MAY BE EXPOSED FOR APPROXIMATELY 45 DAYS.

9. LONG TERM (POST CONSTRUCTION) MAINTENANCE

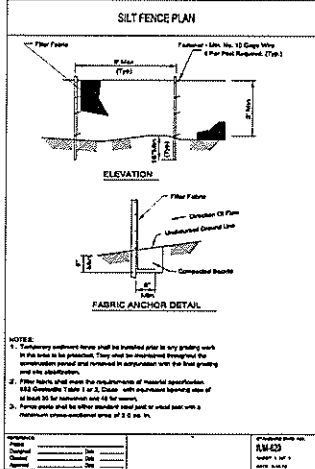
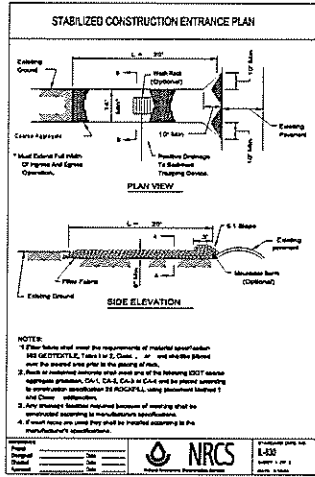
COMPONENTS OF THE STORMWATER MANAGEMENT FACILITIES, STORMWATER COLLECTION SYSTEM, AND LANDSCAPED/VEGETATED AREAS SHALL BE INSPECTED PERIODICALLY BETWEEN MARCH AND NOVEMBER AS NECESSARY TO ENSURE PROPER PERFORMANCE. AT A MINIMUM, THE FOLLOWING MEASURES SHALL BE TAKEN TO ENSURE THE SYSTEMS OPERATE AS DESIGNED AND THE DESIGN VOLUME OF ANY DETENTION FACILITIES ARE MAINTAINED:

- A. LITTER AND DEBRIS SHALL BE CONTROLLED THROUGHOUT THE SITE.
- B. LANDSCAPE AREAS SHALL BE MAINTAINED WITH REGULAR MOWING AND RESTORED WITH APPROPRIATE SEEDING/VEGETATION AS NECESSARY.
- C. RIPRAP AREAS SHALL BE REPAIRED WITH THE ADDITION OF NEW RIPRAP, AS NECESSARY, OF SIMILAR SIZE AND SHAPE.
- D. INSPECT ANY SIDE SLOPE/DRAINAGEWAYS IN DETENTION BASIN OR ALONG FLOW ROUTE FOR SETTLEMENT AND EROSION AND REPAIR AND REPAIR AS NECESSARY.
- E. ENSURE NO OBSTRUCTIONS ARE BLOCKING THE EMERGENCY OVERFLOW WEIR.
- F. INSPECT THE DETENTION WEIR TO ENSURE SEDIMENT OR DEBRIS IS NOT BLOCKING THE RESTRICTIONS AND OUTLET PIPES.
- G. INSPECT ALL DETENTION AND VOLUME CONTROL FACILITIES TO ENSURE THE CONSTRUCTED VOLUME IS MAINTAINED FOR SEDIMENTATION, TOPSOIL, OR OTHER DUMPING INTO THE FACILITY SHALL BE ALLOWED. ANY ACCUMULATED SEDIMENT SHALL BE DISCHARGED AS NECESSARY TO RESTORE THE REQUIRED STORAGE VOLUME.
- H. INSPECT STORM DRAINAGE/DETENTION BASINS/WHOLEHOLE/CULVERTS FOR ACCUMULATED SEDIMENT AND REMOVE SEDIMENT AS NECESSARY.
- I. REMOVE ACCUMULATED LEAVES AND OTHER DEBRIS FROM STORM SEWER INLET GRATES, AS NECESSARY.
- J. NATIVE PLANTING AREAS OR STORM WATER SEED MAY AREAS SHALL BE MAINTAINED FOR THE APPROVED PLANTING PLAN. FOR PROTECTION ONLY.

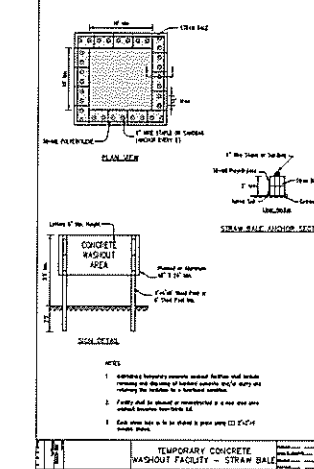
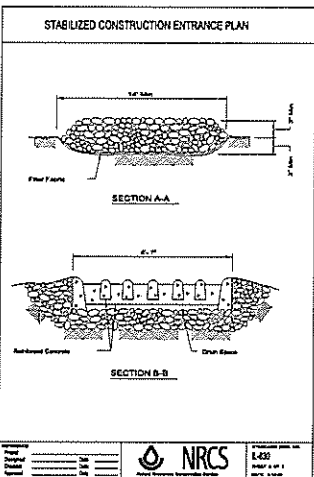
STATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
PERMANENT SEEDING												
CONCRETE SEEDING												
TEMPORARY SEEDING												
SEEDING												
WASHING												

- A. ADDITIONAL REPAIRS AS NECESSARY USED BY PERMANENT PMS 100 LBS/LACRE
- B. WEIR OR CREEK PMS 100 LBS/LACRE
- C. 500
- D. STRAIN WASH 2 TON/LACRE
- E. 100 LBS/LACRE
- F. 100 LBS/LACRE
- G. 100 LBS/LACRE
- H. 100 LBS/LACRE
- I. 100 LBS/LACRE
- J. 100 LBS/LACRE

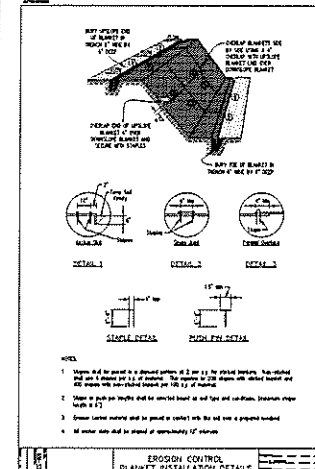
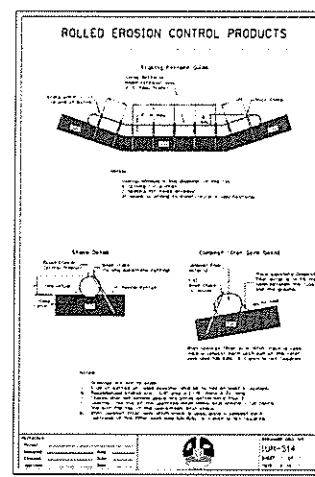
PIPE DIAMETER D (IN)	IDOT ROCK GRADATION N	APRON WIDTH W1(FIT) 3D	APRON WIDTH W2(FIT) 3D+L	APRON LENGTH L (FT)	DEPTH OF RIP RAP Y (IN)
12	RR3	3.00	13.00	10	15
16	RR3	3.75	16.75	12	15
18	RR3	4.50	18.50	14	15
21	RR3	5.25	20.25	15	15
24	RR3	6.00	22.00	16	15
27	RR3	6.75	23.75	17	15
30	RR3	7.50	25.50	18	15
36	RR4	9.00	29.00	20	20
42	RR4	10.50	32.50	22	20
48	RR4	12.00	36.00	24	20
54	RR5	13.50	41.50	26	28
60	RR5	15.00	47.00	32	28
72	RR6	18.00	58.00	40	32



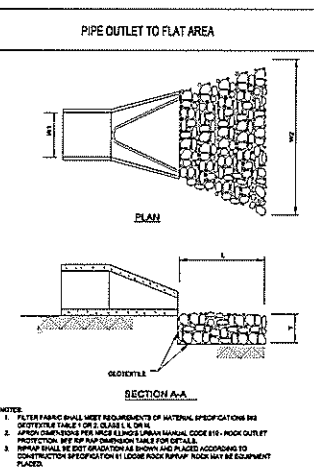
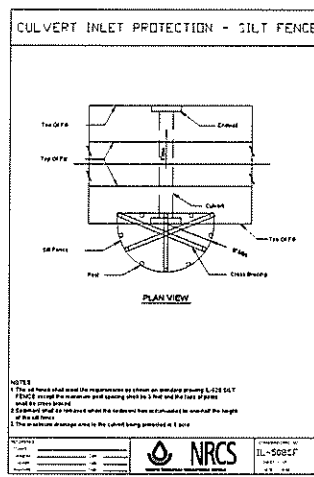
CONTACT INFORMATION
OWNER: MOBILE KLINIKS, LLC
7838 S. MADISON ST.
MADISON, IL 60138
ATTN: SHAHBAZ AKBAR



CONTACT INFORMATION
OWNER: MOBILE KLINIKS, LLC
7838 S. MADISON ST.
MADISON, IL 60138
ATTN: SHAHBAZ AKBAR



CONTACT INFORMATION
OWNER: MOBILE KLINIKS, LLC
7838 S. MADISON ST.
MADISON, IL 60138
ATTN: SHAHBAZ AKBAR



CONTACT INFORMATION
OWNER: MOBILE KLINIKS, LLC
7838 S. MADISON ST.
MADISON, IL 60138
ATTN: SHAHBAZ AKBAR

SEAL/STAMP

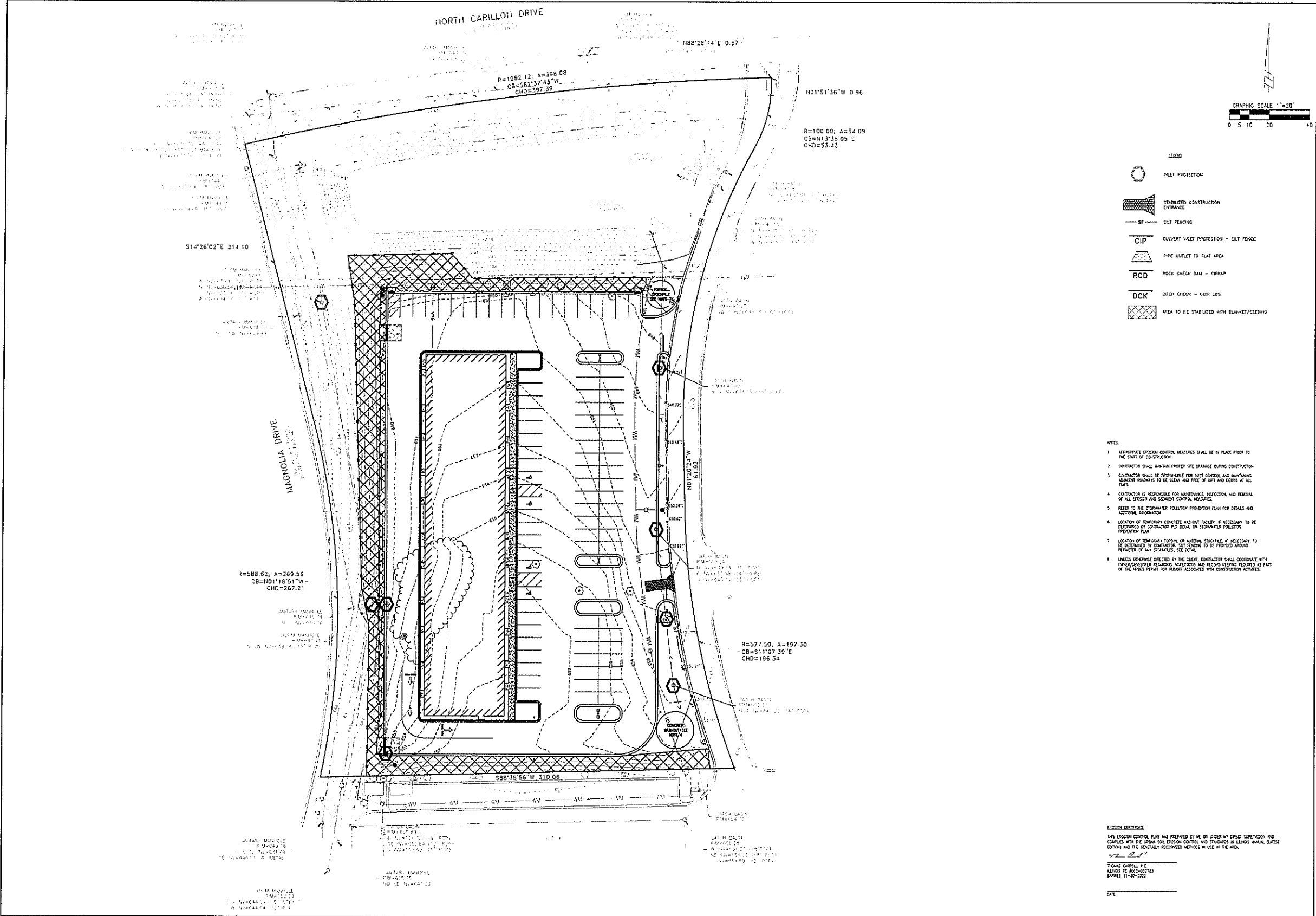
DATE	REVISION
1/2/24	REV. PER VALUE
1/2/24	REV. PER VALUE
1/2/24	REV. PER VALUE
1/2/24	REV. PER VALUE

LOT 8 CARILLON COURT RESUB PHASE 2
MAGNOLIA DR. & NORTH CARILLON DR.
ROMEDEVILLE, IL

GEOTECH INC.
CONSULTING ENGINEERS - LAND SURVEYORS
1207 CEDARWOOD DRIVE CREST HILL, ILLINOIS 60403 815/730-1010

PROJECT NO. 215886
DATE: 12-20-23
DRAWN BY: JG
CHECKED BY: JG

SHEET NO.
6



SEAL/STAMP

NO.	DATE	REVISION
1	5-21-24	INITIAL SUBMITTAL
2	7-13-24	REV PER VALDES
3	7-13-24	REV PER VALDES
4	8-27-24	REV PER VALDES

LOT 8 CARILLON COURT RESUB PHASE 2
MAGNOLIA DR. & NORTH CARILLON DR.
ROMEDEVILLE, IL

EROSION CONTROL PLAN

GEOTECH INC.
CONSULTING ENGINEERS - LAND SURVEYORS

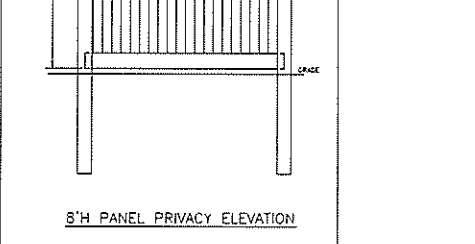
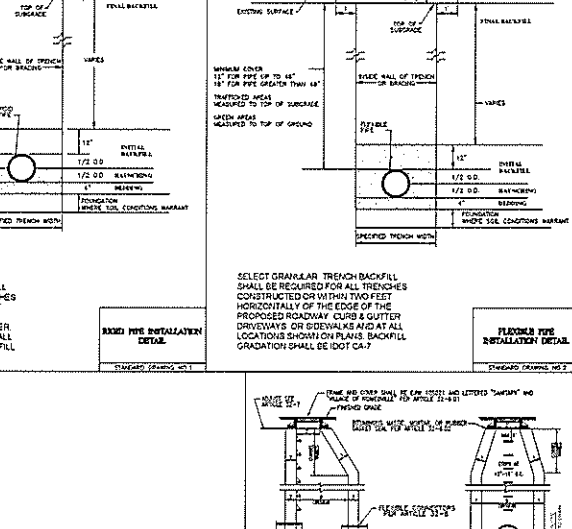
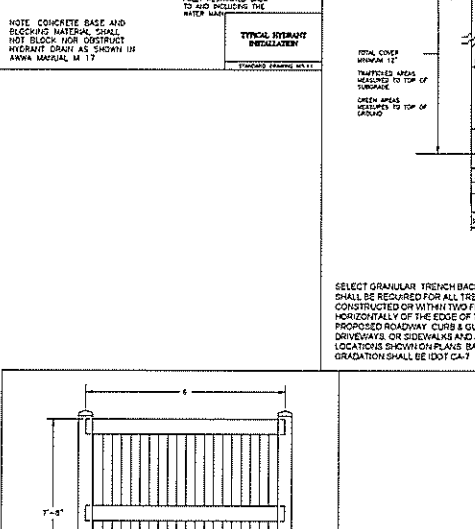
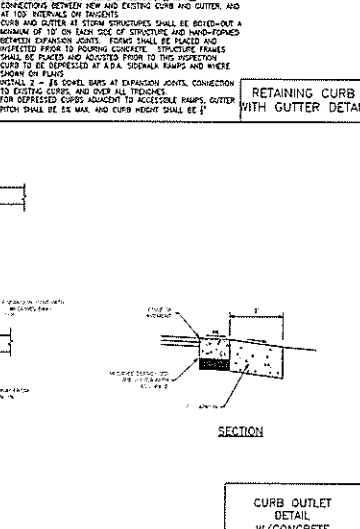
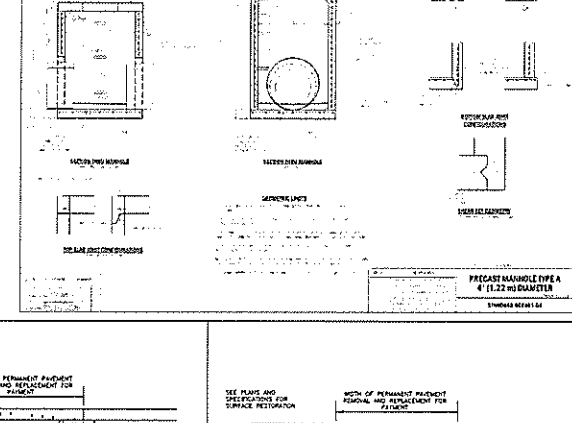
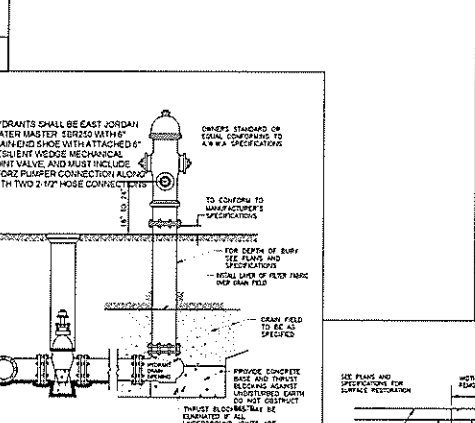
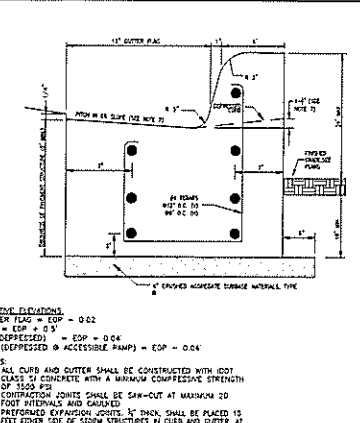
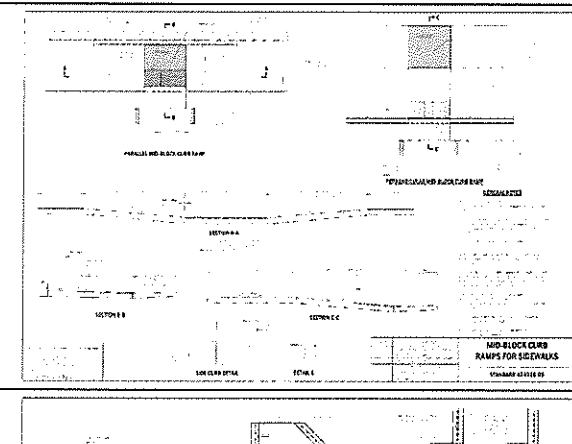
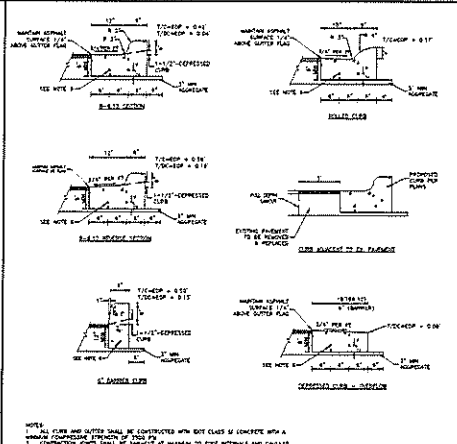
1287 CEDARWOOD DRIVE CREST HILL, ILLINOIS 60003 815/730-1010

PROJECT NO. 21536
DATE: 12-20-23
DRAWN BY: TC
CHECKED BY: CP

SHEET NO.
7

NOTES:

1. RESTRAINTED LENGTHS SHOWN (IN FEET) ARE BASED ON EBA-IPON'S RESTRAINT LENGTH CALCULATOR VERSION 7.2.1.
2. TEXT PRESSURE BASED ON 150 PSI.
3. FOR PIPES ENCASED IN POLYETHYLENE, INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
4. COORDINATE WITH MUNICIPALITY AS NECESSARY REGARDING RESTRAINED LENGTHS.

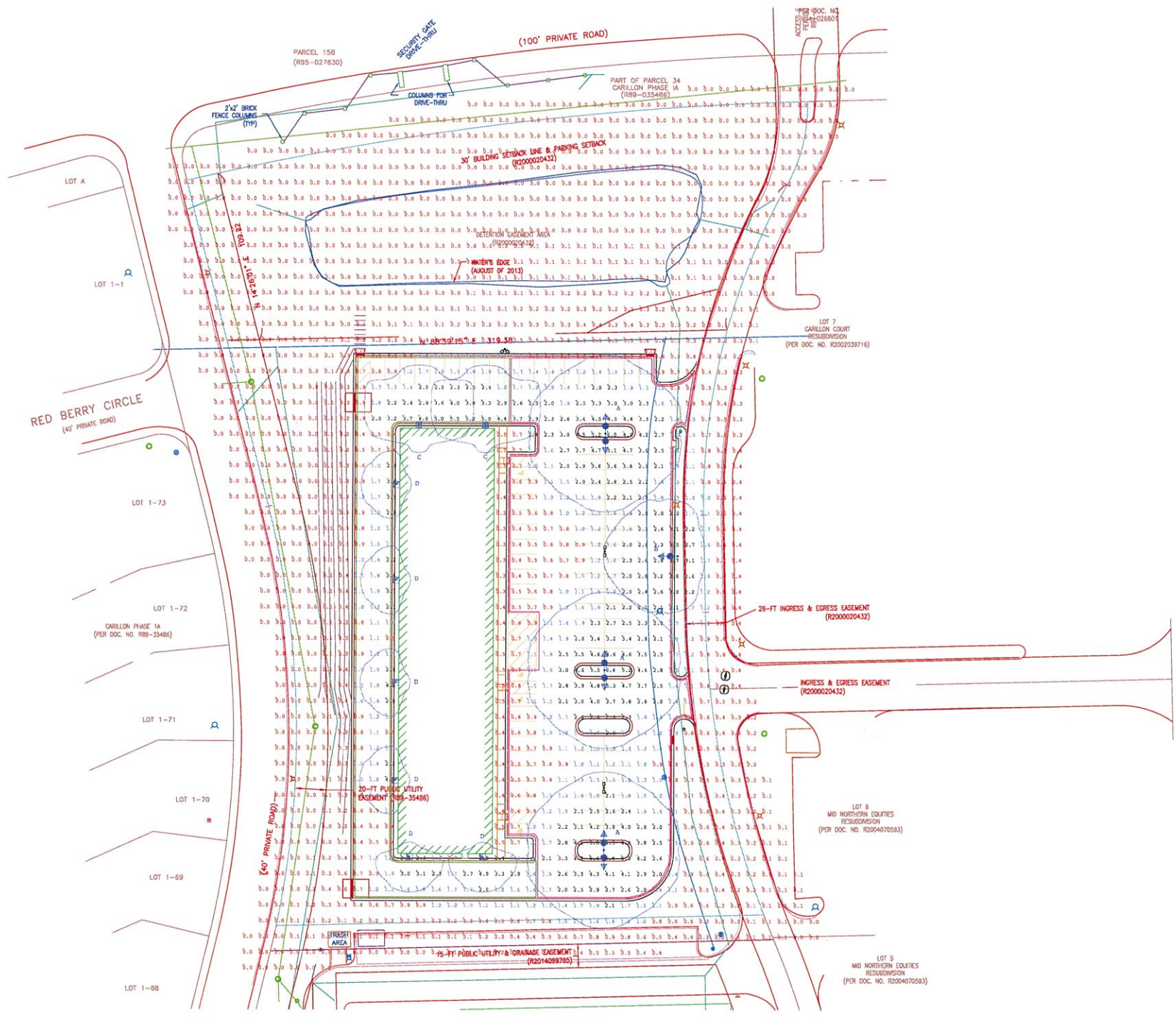
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SHEET NO.

8

REVISIONS

REV #	DATE	BY:
1	7/2/24	J.P.



POLE BASES TO BE NO MORE THAN 8" AG

BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS.

THIS LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS.

Calculation Summary								
Label	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSp/Lc	PtSp/Tb
PARKING	Fc	2.09	6.4	0.4	5.23	16.00	10	10
REAR & SIDES	Fc	2.04	5.5	0.4	5.10	13.75		

Luminaire Schedule						
WLS17617	LOT 8 CARILLON	ROMEIOVILLE, IL	PM: HOLLY	PLEASE EMAIL US FOR PRICING AT HOLLY@WLSLIGHTING.COM		
Symbol	Qty	Label	Lum. Lumens	LLF	Description	Lum. Watts
	3	A	15207	0.950	WLS-CAL-1-T4-64L-7-40K-SLW 30' MOUNTING HEIGHT	137
	1	B	15207	0.950	WLS-CAL-1-T4-64L-7-40K-SLW 30' MOUNTING HEIGHT	137
	2	C	9550	0.950	WLS-NV-W-T4-32L-7-40K-SLW 18' MOUNTING HEIGHT	71
	6	D	4699	0.970	WLS-NV-W-T3-16L-7-40K-SLW 18' MOUNTING HEIGHT	37

LOT 8 CARILLON
ROMEIOVILLE, IL



6820 CORPORATION PKWY
FORT WORTH, TX 76126
WWW.WLSLIGHTING.COM

WLS-17617

DATE -5/9/24

SCALE: 1"=40'

817-731-0020

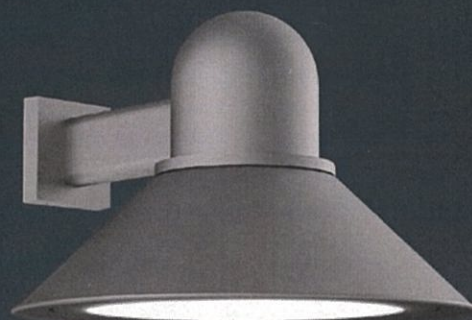
PM:HOLLY

BY: J.P.

SHEET 1 OF 1



* Arm Mount



* Wall Mount

LED WATTAGE CHART

	32L	48L	64L
350 milliamps	-	51w	66w
530 milliamps	-	80w	102w
700 milliamps	71w	104w	137w
1050 milliamps	106w	156w	205w

The beautiful and simple California Series LED Pedestrian Luminaires depict not only the California lifestyle, but the architecture of California as well. This ornamental piece is a delightful sight to see and a great model to illuminate any urban, rural, retail, or park, or campus setting.

The different caps and shades depict different California styles and a touch of California's historic Spanish mission era. The California Series is the perfect selection to combine both design and efficiency in light performance. Designed, tooled, manufactured and assembled in the USA.

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



STAR POWER
OPTICAL SYSTEM

STAR POWER™ OPTICAL SYSTEM

The Star Power™ reflector is an excellent system which provides great value and performance. Star Power Patent number: 10168023

Project Name:

Type:

CAL-1 ORDERING GUIDE

Cat#	Top	Shade	Light Dist.	No. of LEDs	Milliamps
California Small 25" Diameter (CAL-1)	Top 1 (TP1)	Shade 1 (S1)	Type 2 (T2)	32 (32L)	350 (35) ^①
	Top 2 (TP2)	Shade 2 (S2)	Type 3 (T3)	48 (48L)	530 (53) ^①
	Top 3 (TP3)	Shade 4 (S4)	Type 4 (T4)	64 (64L)	700 (7)
		Shade 5 (S5)	Type 5 (T5)		1050 (1)
		Shade 6 (S6)			
		Shade 7 (S7)			
		Shade 8 (S8)			
Kelvin	Volts	Mounting	Color	Controls	Options
Amber 585-600nm (AMBER) ^{①②③④}	120-277 (UNV)	Arm Mount (AM) ^⑤	Bronze Textured (BRZ)	Button Photocell (PC) ^⑥	House Side Shield (HSS)
2700K, 70 CRI (27K7) ^⑦	347-480 (HV)	Wall Mount (WM) ^⑧	White Textured (WHT)	Nema 7-Pin Receptacle (PE7) ^⑨	Bird Spikes (BS)
2700K, 80 CRI (27K8) ^{②⑦}		Architectural Arm Wall Mount (AAWM) ^⑧	Smooth White Gloss (SWT)	Photocell + Receptacle (PCR) ^⑨	Marine Grade Finish (MGF)
3000K, 70 CRI (30K7) ^⑦			Silver (SVR)	Receptacle + Shorting Cap (PER) ^⑨	Frosted Lens (FL) ^⑩
3000K, 80 CRI (30K8) ^{②⑦}			Black Textured (BLK)	FSP-211 with Motion Sensor (UNV Voltage) (FSP-8) ^⑪	Buy American Act (BAA) ^⑫
3500K, 80 CRI (35K8)			Smooth Black Gloss (SBK)	*8' and Below (FSP-20) ^⑪	Trade Agreement Act (TAA) ^⑫
4000K, 70 CRI (40K7)			Graphite Textured (GPH)	*9'-20" Heights (FSP-40) ^⑪	Build America Buy American (BABA) ^⑫
4000K, 80 CRI (40K8) ^②			Grey Textured (GRY)	*21'-40" Heights	
5000K, 70 CRI (50K7)			Green (GRN)	Custom Controls Integration (CCI) ^⑬	
5000K, 80 CRI (50K8) ^②			Custom (CS)		

Notes:

- ① 48L-64L Only
- ② Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ③ For Arm Mount, please select an Architectural Arm (AA) separately.
- ④ Universal Voltage 120-277
- ⑤ Only compatible with Arm Mount Arch Arms: 2, 3, 7-11, 13-18
- ⑥ 48L option only, using IK-10 rated Silicone Optics
- ⑦ 3000K or lower must be selected to meet International Dark Sky Association certification.
- ⑧ For AAWM, please select an Architectural arm (AA) separately.
- ⑨ Consult Factory.
- ⑩ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, or other control systems)
- ⑪ Turtle Safe
- ⑫ Consult factory for all BAA/TAA/BABA requests
- ⑬ Consult Factory for Lead Time
- ⑭ Not Available above 1000mA



701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nlsighting.com

PRODUCT SPECIFICATIONS

HOUSING

Heavy Duty Marine Grade Cast and Spun Aluminum with 4 shade options and 3 cap options

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplies as standard.

OPTIONS

- **BIRD SPIKES (BS)**—offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations..
- **MARINE GRADE FINISH (MGF)**—A multi-step process creating protective finishing coat against harsh environments.
 - Chemically washed in a 5 stage cleaning system.
 - Pre-baked
 - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
 - 1-2 feet inside pole coverage top and bottom.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **SHIELDS (HSS)**—House Side Shield (HSS) is designed for full property line cut-off.

CONTROL OPTIONS

- FSP-211 (FSP-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-20 mounting heights 9-20 feet
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.
- FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, or other control systems)
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- **PHOTOCELL + RECEPTACLE (PCR)**—7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.
- **RECEPTACLE + SHORTING CAP (PER)**—7-Pin Receptacle and Shorting Cap.

FINISH

5 mils Powder Coat

WARRANTY

Standard Warranty is 5 years for Driver and LEDs

LISTINGS

UL 1598 Listed
IDA Dark Sky Approved

BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

[https://nslighting.com/wp-content/uploads/cs/NLS_BuyAmerica\(n\).pdf](https://nslighting.com/wp-content/uploads/cs/NLS_BuyAmerica(n).pdf)



The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.

NLS
LIGHTING

701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

PART NUMBER	T2 LUMENS	LM/W	T3 LUMENS	LM/W	T4 LUMENS	LM/W	T5 LUMENS	LM/W	Watts
CAL-1-32L-7-30K7	7242	102	7313	103	7384	104	7100	100	71
CAL-1-32L-7-40K7	7526	106	7597	107	7597	107	7313	103	71
CAL-1-32L-7-50K7	7952	112	7881	111	7952	112	7526	106	71
CAL-1-32L-1-30K7	10812	102	10918	103	11024	104	10600	100	106
CAL-1-32L-1-40K7	11236	106	11342	107	11342	107	10918	103	106
CAL-1-32L-1-50K7	11872	112	11766	111	11872	112	11236	106	106
CAL-1-48L-35-30K7	5202	102	5304	104	5406	106	5151	101	51
CAL-1-48L-35-40K7	5406	106	5508	108	5661	111	5355	105	51
CAL-1-48L-35-50K7	5610	110	5712	112	5865	115	5457	107	51
CAL-1-48L-53-30K7	8160	102	8320	104	8480	106	8080	101	80
CAL-1-48L-53-40K7	8480	106	8640	108	8880	111	8400	105	80
CAL-1-48L-53-50K7	8800	110	8960	112	9200	115	8560	107	80
CAL-1-48L-7-30K7	10608	102	10816	104	11024	106	10504	101	104
CAL-1-48L-7-40K7	11024	106	11232	108	11544	111	10920	105	104
CAL-1-48L-7-50K7	11440	110	11648	112	11960	115	11128	107	104
CAL-1-48L-1-30K7	15912	102	16224	104	16536	106	15756	101	156
CAL-1-48L-1-40K7	16536	106	16848	108	17316	111	16380	105	156
CAL-1-48L-1-50K7	17160	110	17472	112	17940	115	16692	107	156
CAL-1-64L-35-30K7	6732	102	6864	104	6996	106	6666	101	66
CAL-1-64L-35-40K7	6996	106	7128	108	7326	111	6930	105	66
CAL-1-64L-35-50K7	7260	110	7392	112	7590	115	7062	107	66
CAL-1-64L-53-30K7	10404	102	10608	104	10812	106	10302	101	102
CAL-1-64L-53-40K7	10812	106	11016	108	11322	111	10710	105	102
CAL-1-64L-53-50K7	11220	110	11424	112	11730	115	10914	107	102
CAL-1-64L-7-30K7	13974	102	14248	104	14522	106	13837	101	137
CAL-1-64L-7-40K7	14522	106	14796	108	15207	111	14385	105	137
CAL-1-64L-7-50K7	15070	110	15344	112	15755	115	14659	107	137
CAL-1-64L-1-30K7	20910	102	21320	104	21730	106	20705	101	205
CAL-1-64L-1-40K7	21730	106	22140	108	22755	111	21525	105	205
CAL-1-64L-1-50K7	22550	110	22960	112	23575	115	21935	107	205

3000k or warmer must be selected to meet International Dark-Sky Association certification.

Lumen Maintenance Data							
Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	48,000	143,000	94.3%	89.5%	87.2%	78.5%

*Reported extrapolations per IESNA TM-21

**Projected extrapolations per IESNA TM-21

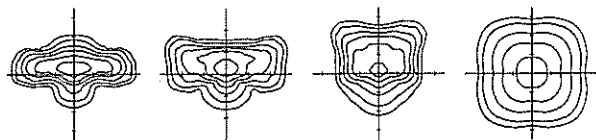
EPA	CAL-1
Single	.87

WEIGHT	CAL-1
Single	28 LBS

OPTICS

Star Power T2, T3, T4 and T5

- IES Types



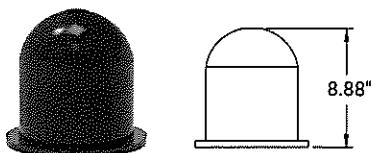
TYPE II (T2) TYPE III (T3) TYPE IV (T4) TYPE V (T5)

PRODUCT SPECIFICATIONS

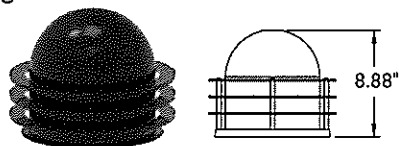
PRODUCT CONFIGURATION

TOPS

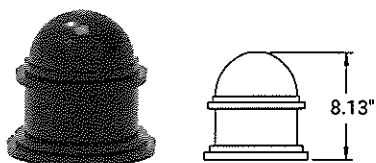
TOP 1
Smooth



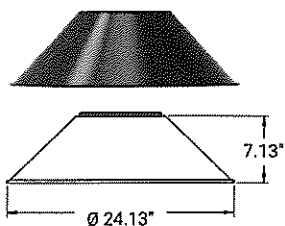
TOP 2
Alum. Rings



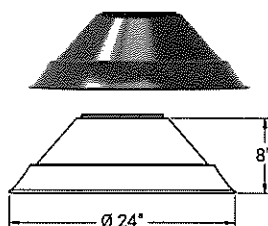
TOP 3



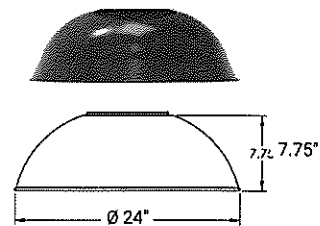
SHADES



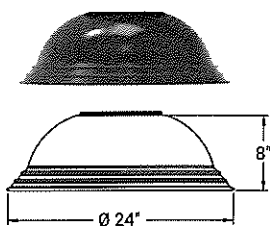
SHADE 1



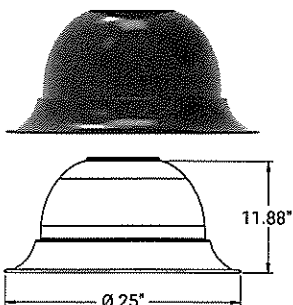
SHADE 2



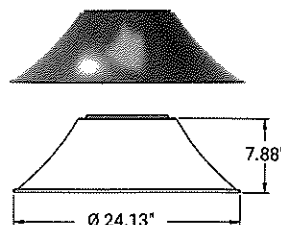
SHADE 4



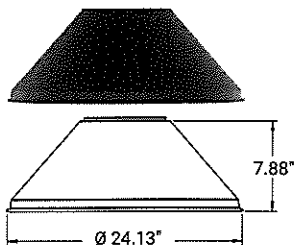
SHADE 5



SHADE 6



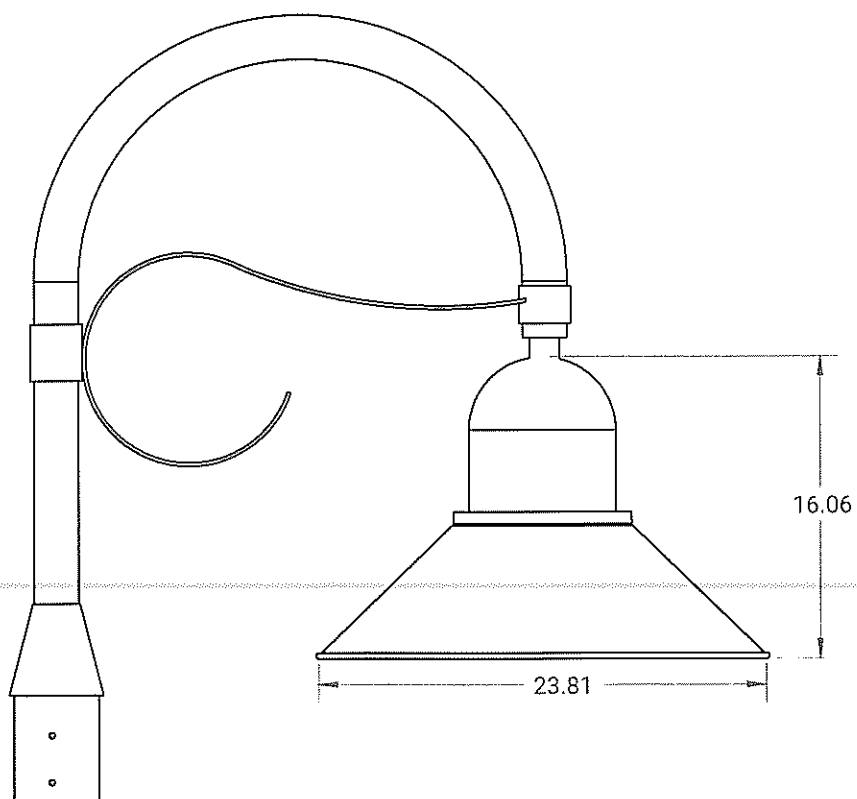
SHADE 7



SHADE 8

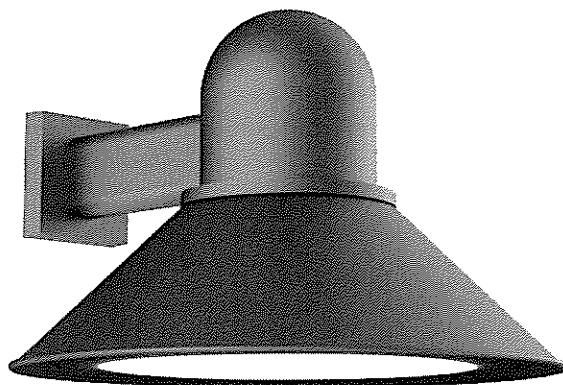
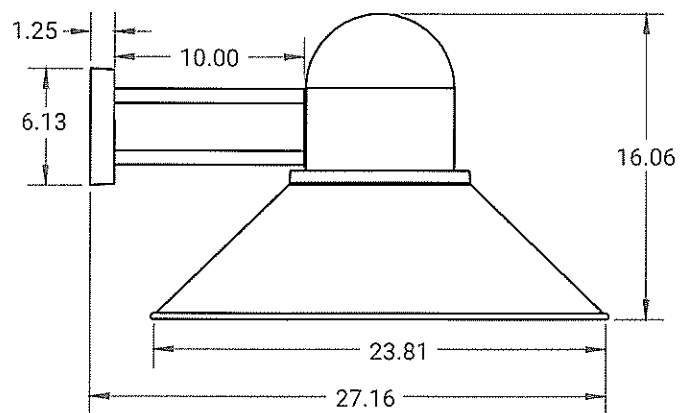
PRODUCT SPECIFICATIONS

CAL-1 ARM MOUNT



PRODUCT SPECIFICATIONS

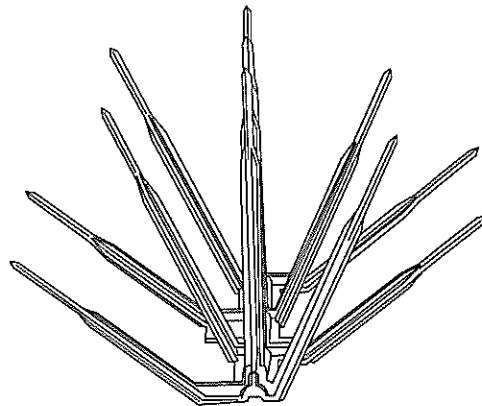
CAL-1 WALL MOUNT



PRODUCT SPECIFICATIONS

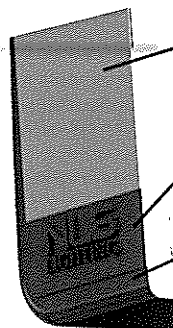
BIRD SPIKES (BS)

Bird Spikes offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.



MARINE GRADE FINISH (MGF)

The **(MGF)** is a multi step process. Chemically washed in a 5 stage cleaning system. Pre-baked. Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.



Powder Coat Finish

3-5 mil Powder Coat

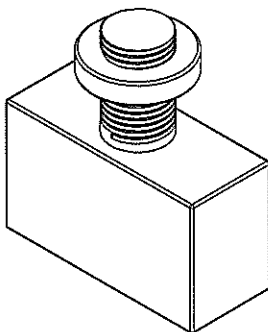
Primer Layer

3-5 mil Zinc Rich Super Durable Polyester Primer

Prepared Casting

Chemically washed in multi Step 5 stage cleaning process

BUTTON PHOTOCELL



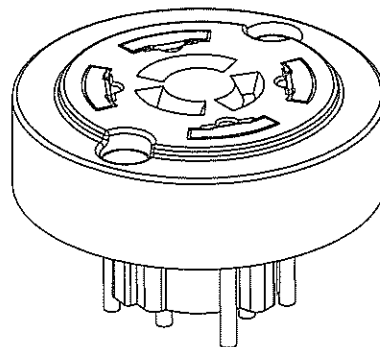
Button Type Photocell (PC)

Photocell for dusk to dawn operation.
Consult Factory.

PRODUCT SPECIFICATIONS

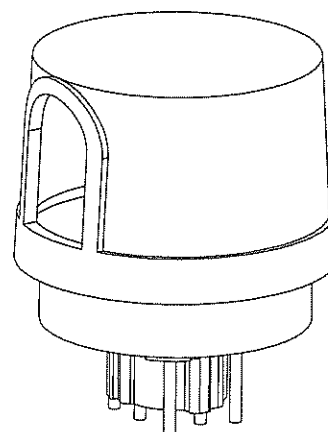
NEMA 7-PIN RECEPTACLE (PE7)

An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.



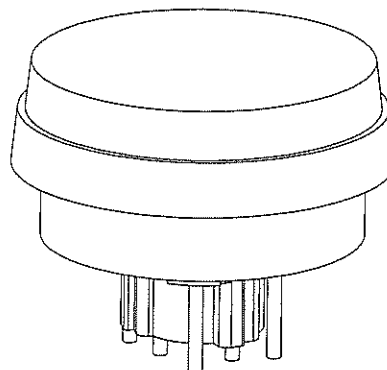
PHOTOCELL + RECEPTACLE (PCR)

7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.



RECEPTACLE + SHORTING CAP (PER)

7-Pin Receptacle and Shorting Cap.



PRODUCT SPECIFICATIONS

LED KELVIN RANGE



AMBER
585-600 nm



2700K 70 CRI



3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

BLACK HARDWARE

Optional black, zinc coated steel hardware.



BLACK OPTIC FRAME

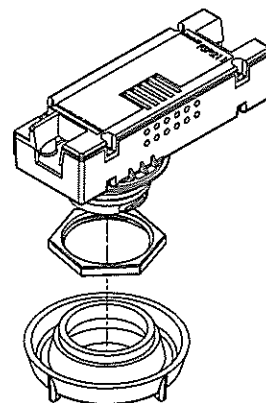
Optional Black Optic Frame.
Standard is white.



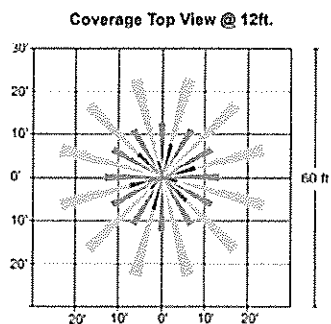
PRODUCT SPECIFICATIONS

CONTROLS

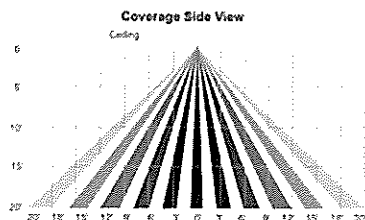
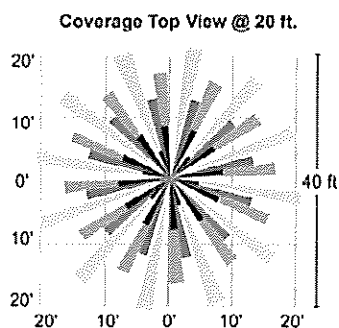
- **DIMMING CONTROL (FSP)**—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
 - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
 - FSP-8 mounting heights 8 feet and below
 - FSP-20 mounting heights 9-20 feet
 - FSP-40 mounting heights 21-40 feet.
 - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.



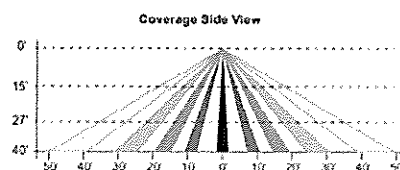
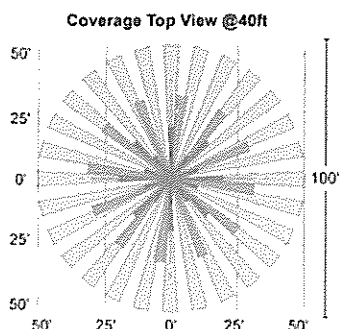
FSP-8



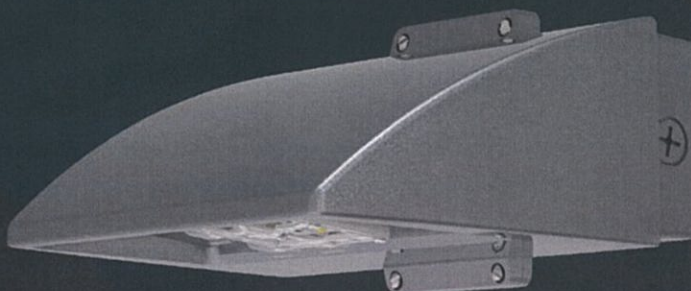
FSP-20



FSP-40



ARCHITECTURAL HIGH PERFORMANCE FULL CUTOFF WALL PACK



LED WATTAGE CHART

	16L	32L
400 milliamps	21w	-
530 milliamps	29w	-
700 milliamps	37w	71w
1000 milliamps	-	100w
1050 milliamps	56w	

KEY FEATURES

- Ideal for Exterior Walls, Entryways, Pathways, New Construction and Renovation, Warehouse and Receiving Docks, Court Yards, and School Playgrounds
- Sleek Minimalistic Design of the the NV-W (up to 11,000 Lumens, 12"W x 9"D x 5.5"H) Compliments the Design of the NV-W2 (up to 24,000 Lumens, 18"W x 9.38"D x 5"H)
- Amber, 2700K, 3000K, 3500K, 4000K, 5000K CCT Multichip High Power 70 & 80 CRI LEDs
- IP65 Rated Against Dust & Water Ingress, IK10 Rated for Tamper/ Vandalism/Impact Protection
- 20kA Surge Protection (120V - 480V) Cold Weather Integrated Battery Back-Up Safety Options
- Silicone Optics providing 96% Clarity and Heat Resistant up to 150°C
- 9 Standard Finishes, Custom Finish and Marine Grade Finish Available

- Controls Agnostic, Compatible with Most Control Systems and Sensors
- Environmentally Friendly Product Which Reduces Energy Consumption, L70 > 100,000 hours
- IDA qualified for 3000K CCT and Lower for Down-light Application, Reducing Light Pollution and Trespass
- Buy America(n) Option Available, Quick Mount for Easy Installation
- Cost Competitive and Short Shipping Lead Times in Days & Weeks

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



Project Name:

Type:

NV-W ORDERING GUIDE

Cat#	Light Dist.	No. of LEDs	Milliamps	Kelvin Temp	Volts
NV-W (NV-W)	Type 2 (T2)	16 (16L)	400 (40)	Amber 585-600nm (AMBER) ①②③	120-277 (UNV)
	Type 3 (T3)	32 (32L)	530 (53)	2700K, 70 CRI (27K7) ④	347-480 (HV)
	Type 4 (T4)		700 (7)	2700K, 80 CRI (27K8) ①④	
			1000 (1A) ⑤	3000K, 70 CRI (30K7) ④	
			1050 (1) ⑥	3000K, 80 CRI (30K8) ①④	
				3500K, 80 CRI (35K8)	
				4000K, 70 CRI (40K7)	
				4000K, 80 CRI (40K8) ①	
				5000K, 70 CRI (50K7)	
				5000K, 80 CRI (50K8) ①	

Mounting	Color	Control Options	Options	Lens Options
Wall Mount (WM)	Bronze Textured (BRZ)	Nema 7-Pin Receptacle (PE7) ①	Marine Grade Finish (MGF)	Glass Lens (GL) ①②
	White Textured (WHT)	Button Photocell (PC) ③	Vanity Plate 22"x16" (VP)	HAL Lens (HAL) ③④
	Smooth White Gloss (SWT)	FSP-211 with Motion Sensor (UNV Voltage) (FSP-8) ⑤	Housing Extension (HE)	
	Silver Metallic (SVR)	*8' and Below (FSP-20) ⑥	Surge Protector (20KA)	
	Black Textured (BLK)	*9'-20' Heights	Emergency Battery 4w (EM4) ⑦⑧⑨	
	Smooth Black Gloss (SBK)		Emergency Battery 8w (EM8) ⑦⑧⑨	
	Graphite Textured (GPH)		Emergency Cold Pk Battery 14w (EMCP) ⑦⑧⑨	
	Grey Textured (GRY)		Black Hardware (BH)	
	Green Textured (GRN)		Black Optic Frame (BOF)	
	Hunter Green Textured (HGN)		Buy American Act (BAA) ⑩	
	Custom (CS)		Trade Agreement Act (TAA) ⑪	
			Build America Buy American (BABA) ⑫	
			Custom Controls Integration (CCI) ⑬	

Notes:

- ① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests
- ② Requires Housing Extension
- ③ Universal Voltage 120-277
- ④ All Emergency Battery Options Certified CA Title 20
- ⑤ (1A) 32L only
- ⑥ (1A) 16L only
- ⑦ 3000K or lower must be selected to meet International Dark Sky Association certification
- ⑧ Glass Lens: Low Iron glass, fully tempered per ANSI C1047
- ⑨ HAL Lens: Yellow Polycarbonate Lens - less than 2% Blue Light Content
- ⑩ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLink, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- ⑪ Turtle Safe
- ⑫ Consult factory for all BAA/TAA/BABA requests
- ⑬ Consult Factory for Lead Time
- ⑭ Not Available above 1000mA
- ⑮ Contact Factory

NLS
LIGHTING

 701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nlsighting.com

PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP66 compartment
- CRI 70, 80, 90
- Color temperatures: 2700K, 3000K, 3500K, 4000K, 5000K

CONSTRUCTION

- Die Cast Aluminum
- Internal cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP67 level seal around each PCB
- Silicone Micro Optics: Recessed, full cutoff, vandal resistant and non-yellowing
- Dark Sky Approved

OPTIONS

MARINE GRADE FINISH (MGF) - A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Prebaked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.

VANITY PLATE (VP) - Optional Vanity Plate was designed to cover the unsightly remains on a wall where a larger HID wallpack was removed. The aluminum Vanity Plate will be painted to match the finish of the NV-W2, custom finishes are available, please consult factory. The standard Vanity Plate is 22"W x 16"H.

20KA SURGE PROTECTOR (20KA) - protects the complete system against nominal surges of up to 20KA. Protection against power surges, storms and lightning strikes.

EMERGENCY BATTERY BACKUP

EMERGENCY COLD PACK BATTERY (EMPC) - Emergency cold pack (-20°C minimum) battery system available in 14W output.

BLACK HARDWARE (BH) - Black stainless steel hardware.

BLACK OPTIC FRAME (BOF) - Black optic frame. Standard is white.

GLASS LENS (GL) - Low Iron Glass, fully tempered.

HIGH PERFORMANCE AMBER LENS (HAL) -

CONTROL OPTIONS

- FSP-211 (FSP-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 Mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field. Programmable remote must be purchased separately.
- FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.
- Controls Agnostic: Please contact factory for your preferred controls option.

NEMA 7-PIN RECEPTACLE (PE7)—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.

BUTTON PHOTOCELL—Dusk to dawn optional Button Photocell.

FINISH

3-5 mils electrostatic powder coat.

NLS Lighting's standard high-quality finishes prevent corrosion, and protects against extreme environmental conditions.

WARRANTY

Five-year limited warranty for drivers and LEDs.

OPTICS

Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time.

LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLCP)
- IP65 Rated Fixture / IP67 Rated Optics
- IK10 Rated
- IDA Dark Sky Approved

BUY AMERICAN OPTION

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701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

LUMENS

PART NUMBER	T2	LM/W	T3	LM/W	T4	LM/W	WATTS
NV-W-16L-40-27K7	2561	122	2591	123	2561	122	21
NV-W-16L-40-27K8	2398	114	2426	116	2398	114	21
NV-W-16L-40-30K8	2571	122	2601	124	2571	122	21
NV-W-16L-40-30K7	2769	132	2801	133	2769	132	21
NV-W-16L-40-35K8	2571	122	2601	124	2571	122	21
NV-W-16L-40-40K8	2769	132	2801	133	2769	132	21
NV-W-16L-40-40K7	2992	142	3027	144	2992	142	21
NV-W-16L-40-50K8	2769	132	2801	133	2769	132	21
NV-W-16L-40-50K7	2992	142	3027	144	2992	142	21
NV-W-16L-53-30K7	3544	122	3579	123	3544	122	29
NV-W-16L-53-40K7	3756	130	3794	131	3756	130	29
NV-W-16L-53-50K7	3756	130	3794	131	3756	130	29
NV-W-16L-7-30K7	4388	119	4432	120	4388	119	37
NV-W-16L-7-40K7	4651	126	4698	127	4651	126	37
NV-W-16L-7-50K7	4651	126	4698	127	4651	126	37
NV-W-16L-1-30K7	5970	107	6029	108	5970	107	56
NV-W-16L-1-40K7	6328	113	6391	114	6328	113	56
NV-W-16L-1-50K7	6328	113	6391	114	6328	113	56
NV-W-32L-53-30K7	X	X	X	X	6,821	126	54
NV-W-32L-7-30K7	9010	127	9100	128	9010	127	71
NV-W-32L-7-40K7	9550	135	9646	136	9550	135	71
NV-W-32L-7-50K7	9550	135	9646	136	9550	135	71
NV-W-32L-1A-30K7	10871	109	10983	110	10871	109	100
NV-W-32L-1A-40K7	11426	114	11544	115	11426	114	100
NV-W-32L-1A-50K7	11426	114	11544	115	11426	114	100

3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.

EMERGENCY BATTERY BACK-UP LUMENS

PART NUMBER	T2	LM/W	T3	LM/W	T4	LM/W	WATTS
EM4-30K7	520	130	524	131	516	129	4
EM4-40K7	544	136	548	137	540	135	4
EM4-50K7	560	140	564	141	556	139	4
EM8-30K7	1040	130	1048	131	1032	129	8
EM8-40K7	1088	136	1096	137	1080	135	8
EM8-50K7	1120	140	1128	141	1112	139	8
EM14-30K7	2080	130	2096	131	2064	129	16
EM14-40K7	2176	136	2192	137	2160	135	16
EM14-50K7	2240	140	2256	141	2224	139	16
EMCP-30K7	1820	130	1834	131	1806	129	14
EMCP-40K7	1904	136	1918	137	1890	135	14
EMCP-50K7	1960	140	1974	141	1946	139	14

PRODUCT SPECIFICATIONS

BUG RATINGS BUG RATINGS

PART NUMBER	T2	T3	T4	WATTS
NV-W-16L-35-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	21
NV-W-16L-35-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	21
NV-W-16L-35-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	21
NV-W-16L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-53-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-53-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-7-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-7-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-7-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-1-30K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	56
NV-W-16L-1-40K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	56
NV-W-16L-1-50K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	56
NV-W-32L-7-30K7	B1-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-7-40K7	B1-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-7-50K7	B1-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-1A-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	100
NV-W-32L-1A-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	100
NV-W-32L-1A-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	100

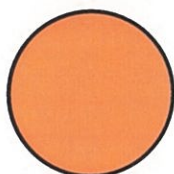
Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	48,000	143,000	94.3%	89.5%	87.2%	78.5%

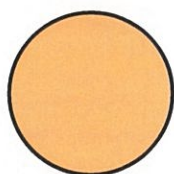
*Reported extrapolations per IESNA TM-21

**Projected extrapolations per IESNA TM-21

LED KELVIN RANGE



AMBER
585-600 nm



2700K 70 CRI



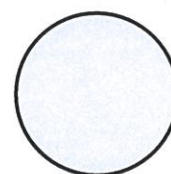
3000K 70 CRI



3500K 80 CRI



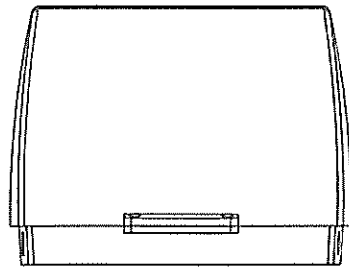
4000K 70 CRI



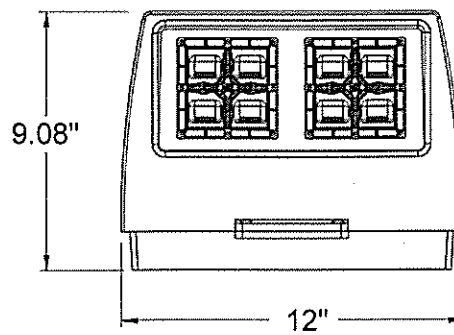
5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

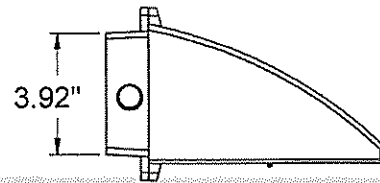
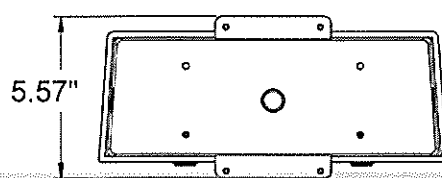
PRODUCT SPECIFICATIONS



TOP VIEW

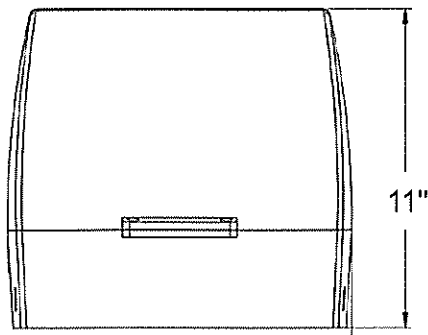


BOTTOM VIEW

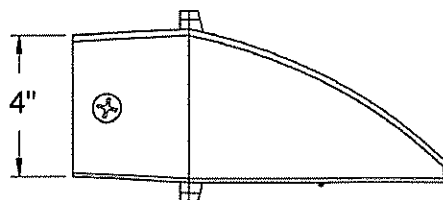


Weight: 9.1 lbs

EMERGENCY BATTERY AND 7-PIN EXTENSION BOX DIMENSIONS



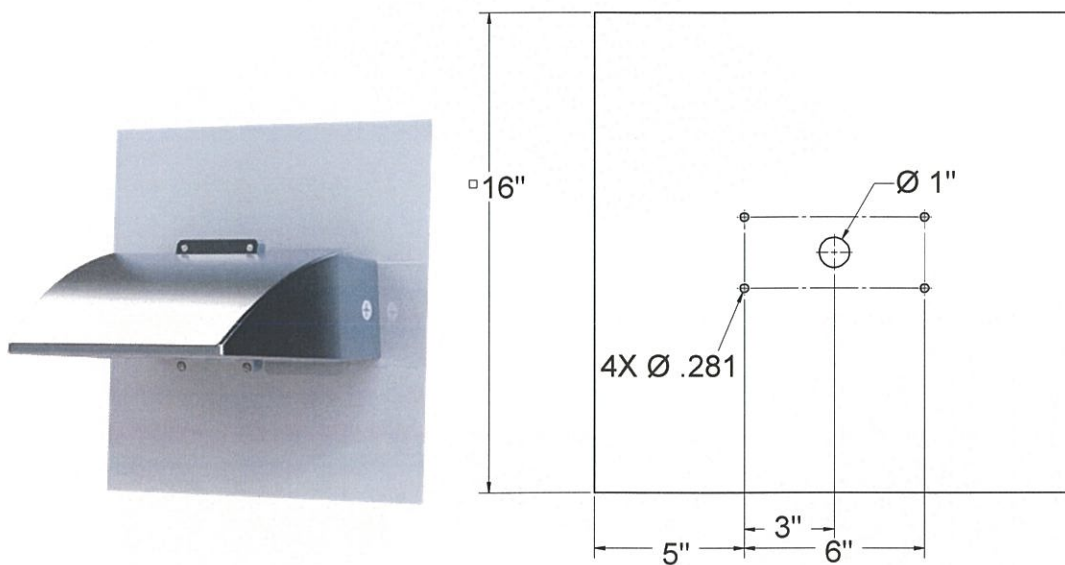
TOP VIEW



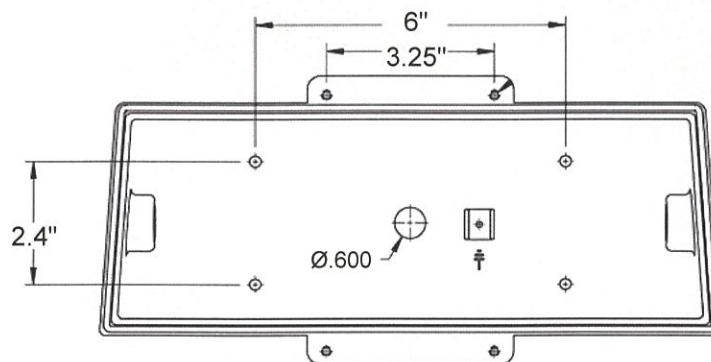
Weight: 13.3 lbs

PRODUCT SPECIFICATIONS

VANITY PLATE (VP)



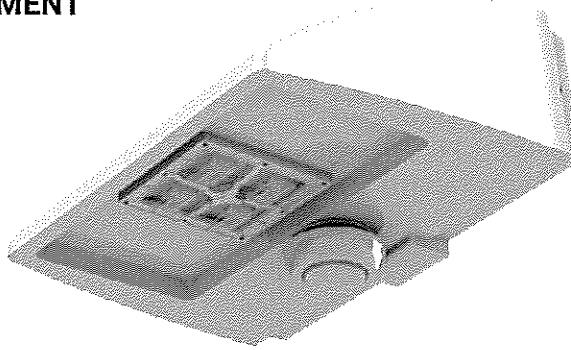
MOUNTING HOLE



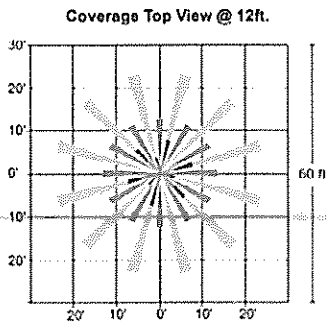
* 3 Conduit access points on either side or center back.

PRODUCT SPECIFICATIONS

MOTION SENSOR PLACEMENT



FSP-8



FSP-20

