CONSTRUCTION PLANS FOR
HOLM ELEMENTARY SCHOOL
LEARNING LANDSCAPE AND MULTIPURPOSE FIELD
PART OF SECTION 33, TOWNSHIP 4 SOUTH, RANGE 67 WEST OF THE 6TH P.M.,
CITY AND COUNTY OF DENVER, STATE OF COLORADO
LOCATED AT 3185 SOUTH WILLOW STREET

GENERAL NOTES:
1. ALL WORK SHALL CONFORM TO CURRENT DENVER PUBLIC SCHOOL SPECIFICATIONS.
2. THE CONTRACTOR SHALL CONTACT THE UTILITIES INTERFERENCE CENTER OF COLORADO IN 1-800-322-1887 FORTH NIGHTLY (48) HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ANY EXISTING UTILITY, INCLUDING DEPTH OF COVER, PRIOR TO THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE. THE CONTRACTOR AT HIS EXPENSE SHALL REPAIR ANY DAMAGE TO UTILITIES CAUSED BY THE WORK OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL PERMITS WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.
4. ALL LAND CORNERS, TIES, RANGE POINTS AND BENCHMARKS OR OTHER SURVEY CONTROL POINTS, WHEN MAINTAINED, SHALL BE ENCOUNTERED DURING CONSTRUCTION. A MONUMENT RECORD MUST BE FILED WITH THE CITY SURVEYOR’S OFFICE ON ALL LAND CORNERS, TIES, RANGE POINTS, BENCHMARKS, AND OTHER SURVEY CONTROL POINTS AND CONSTRUCTORS MUST REPLACE THESE MONUMENTS BEFORE THE CITY CAN ACCEPT NEW CONSTRUCTION. MONUMENT RECORDS MAY BE FILED TO THE CITY SURVEYOR AT (720) 865-3280. PHONE (720) 865-3280.
5. ALL WORK IN THE RIGHT-OF-WAY WILL REQUIRE A SPECIAL PERMIT AND MUST CONFORM TO ALL CITY AND COUNTY OF DENVER STANDARDS.
6. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY FROM DAMAGE. DAMAGED UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR. AT THE EXPENSE. CONTRACTOR SHALL MAINTAIN AT LEAST ONE COPY OF THE APPROVED PLANS, SPECIFICATIONS AND STANDARD ON THE JOB SITE AT ALL TIMES.
7. CONTRACTOR IS RESPONSIBLE FOR BEING AWARE OF MAPPING, COORDINATING, AND SCHEDULES ALL INSPECTIONS REQUIRED FOR FINAL PAYMENT AND PROJECT ACCEPTANCE FROM CONSTRUCTION ENGINEER (V.O.L.).
8. ALL WORK, INCLUDING CORRECTION WORK, IS SUBJECT TO NOTIFICATION AND INSPECTION REQUIREMENTS.
9. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ADEQUATE TRAFFIC CONTROL THROUGHOUT THE PROJECT, INCLUDING PROPER TRAFFIC CONTROL DEVICES AND PERSONNEL AS REQUIRED.
10. ALL WORK WILL BE PROPERLY BARRICADED PRIOR TO THE END OF WORKDAY. NO OPEN HOLES ARE ALLIGNED OVERHEAD. ALL WORK IS TO BE IN ACCORDANCE WITH PERMIT REQUIREMENTS AND APPROPRIATE STANDARDS.

NO WORK WILL BE PERMITTED AT NIGHT OR ON SATURDAYS, SUNDAYS, AND HOLIDAYS WITHOUT PRIOR AUTHORIZATION FROM DENVER PUBLIC SCHOOLS PROJECT MANAGER, SEEDING, SODDING, AND PLANTING IS NOT TO BE PERMITTED ON Any SPECIFIED OR OTHER PUBLIC PROPERTY, INCLUDING PUBLIC SCHOOLS PROPERTY, NEAREST MAINTENANCE, AND WATERING REQUIREMENTS SHALL CONFORM TO THE LANDSCAPE STANDARDS SPECIFICATIONS. WHERE LANDSCAPE RESTORATION MUST BE DELAYED DUE TO LEAVING, PROJECTS AND COORDINATE WITH LANDSCAPE AND ARCHITECT DENVER PUBLIC SCHOOLS PROJECT MANAGERS.

NO CLEARANCE OR EQUIPMENT MACHINERY MAY BE STORED OR MOVED OVER PAVED SURFACES WITHOUT MATS. Any DISCREPANCIES IN THE FIELD, CONTRACTOR WILL NOTIFY ENGINEER AND CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION. NO DESIGN ALTERATIONS WILL BE ALLOWED WITHOUT ENGINEER APPROVAL.

STANDARD NOTES FOR WATER QUALITY/AEROSOIL EROSION CONTROL APPLICATION:
1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT, MUD, AND CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DEPOSITED OR ACCUMULATED IN THE FLOOD PLAINS AND PUBLIC RIGHTS OF WAY OF THE CITY AND COUNTY OF DENVER. AT ANY TIME, KEEPS ALL PUBLIC RIGHTS OF WAY CLEAN AND FREE FROM ALL SEDIMENT, MUD, AND CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT, MUD, AND CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS.
2. This CONSTRUCTION ACTIVITY STORM WATER MANAGEMENT PLAN HAS BEEN SUBMITTED AS PART OF ANY ASSESSMENT LAWS OR RULES BY THE CONTRACTOR TO THE CITY AND COUNTY OF DENVER. UNDERSTAND THAT THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT, MUD, AND CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT, MUD, AND CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS.
3. THE CONTRACTOR SHALL PREVENT SEDIMENT DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL EXCAVATION, EROSION, EXCAVATION, TRIMMING, SODDING, GRADING OR ANY OTHER CONSTRUCTION OPERATION THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE HELD LIABLE FOR REMOVAL OF ANY SEDIMENT, MUD, AND CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS FROM ADJACENT WATERWAYS, MELTING, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
4. A LAYER OF SUITABLE MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS TO A MAXIMUM DEPTH OF 2" PRIOR TO THE COMPLETION OF CONSTRUCTION. ALL MULCH SHALL BE APPLIED AT A RATE OF 2 CUBIC YARDS PER THOUSAND SQUARE FEET. THE USE OF ROUGH-CUT STREET SCALES WILL BE MANDATORY UNLESS A LAYER OF AGGRESSIVE ROAD BASE OR ASPHALT PAVING IS TO BE USED. THE CONTRACTOR MAY BE REIMBURSED FOR THE CONSTRUCTION OF THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT, MUD, AND CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS FROM ADJACENT WATERWAYS, MELTING, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
5. PROJECT BENCHMARK:
6. VICTORY MAP

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JAMES L. HENDRIX, P.E. 
IN CHARGE OF PROJECTS 
AND ON BEHALF OF 
J. HENDRIX & ASSOCIATES, INC.
GENERAL NOTES:

ALL WORK SHALL CONFORM TO CURRENT DENVER PUBLIC SCHOOL SPECIFICATIONS.

THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFY CENTER OF COLORADO AT 1-800-292-1987 FORTY EIGHT (48) HOURS PRIOR TO ANY EVCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ANY EXISTING UTILITY (INCLUDING SOFTLINE) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE. THE CONTRACTOR AT HIS OWN EXPENSE SHALL OBSERVE ALL UTILITY MARKINGS.

THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL PERMITS WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.

ALL LAND CORNERS, TIES, RANGE POINTS AND BENCHMARKS OR OTHER SURVEY CONTROL POINTS, WHICH MAY BE ENCROACHED/DURING CONSTRUCTION, MUST BE EXCISED. A MONUMENT RECORDED BY THE CITY MUST BE FILED WITH THE CITY SURVEYOR OFFICE ON ALL LAND CORNERS, TIES, RANGE POINTS, BENCHMARKS AND ENCLOSED SO THEY CAN BE RELOCATED AFTER CONSTRUCTION BY THE CONTRACTOR. SURVEYORS. A COLORADO LICENSED SURVEYOR MUST REPLACE ALL MONUMENTS BEFORE THE CITY CAN ACCEPT NEW CONSTRUCTION. MONUMENT RECORDS MAY BE FILED TO THE CITY SURVEYOR AT (720) 888-2280 PHONE (720) 888-3171.

ALL WORK IN THE CITY OF DENVER WILL REQUIRE A SPECIAL PERMIT AND MUST ADHERE TO ALL CITY AND COUNTY OF DENVER STANDARDS.

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE. DAMAGED UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. CONTRACTOR SHALL MAINTAIN AT LEAST ONE COPY OF THE APPROVED PLANS, SPECIFICATIONS AND STANDARDS ON THE JOB SITE AT ALL TIMES.

CONTRACTOR IS RESPONSIBLE FOR BEING AWARE OF, NOTIFYING, COORDINATING AND ENSURING ALL INSPECTIONS REQUIRED FOR FINAL APPROVALS AND PROJECT ACCEPTANCE FROM CONSTRUCTION ADMINISTRATION (CLA).

ALL WORK, INCLUDING CORRECTION WORK, IS SUBJECT TO INSPECTION AND INSPECTION REQUIREMENTS.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ACCURATE TRAFFIC CONTROL THROUGHOUT THE PROJECT, INCLUDING PROPER TRAFFIC CONTROL SIGNS AND/ OR PERSONNEL, AS REQUIRED.

ALL WORK WILL BE PROPERLY BACKFILLED PRIOR TO THE END OF WORK NO OPEN HOLES ARE ALLOWED DEEPER. ALL WORK TO BE IN ACCORDANCE WITH PERMITS AND APPLICABLE STANDARDS.

NO WORK SHALL BE PERMITTED AT NIGHT OR ON SATURDAYS, SUNDAYS AND HOLIDAYS WITHOUT PRIOR AUTHORIZATIONS FROM THE CITY OF DENVER SURVEYORS. SELECTION OF AREA, PLANNING AND PLANNING SHALL BE AS SPECIFIED BY THE PUBLIC SCHOOL'S PROJECT MANAGER AND MAINTENANCE, AND WATERING REQUIREMENTS SHALL BE CONFORM TO THE LANDSCAPE STANDARD SPECIFICATIONS. PUBLIC SCHOOL'S PROJECT MANAGER AND MAINTENANCE, AND WATERING REQUIREMENTS SHALL BE CONFORM TO THE LANDSCAPE STANDARD SPECIFICATIONS. PUBLIC SCHOOL'S PROJECT MANAGER AND MAINTENANCE, AND WATERING REQUIREMENTS SHALL BE CONFORM TO THE LANDSCAPE STANDARD SPECIFICATIONS.

NO GRADE OR TEARED EQUIPMENT MAY WORK IN OR OVER PAVED SURFACES WITHOUT MATS.

NO DISCONNECTS IN THE TCDU, CONTRACTOR WILL NOTIFY ELECTRIC AND CONSTRUCTION ADMINISTRATOR PRIOR TO CONSTRUCTION. NO DESIGN ALTERATIONS WILL BE ALLOWED WITHOUT ENGINEER APPROVAL.

STANDARD NOTES FOR WATER QUALITY/NDPES

EROSION CONTROL & SEDIMENT CONTROL

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND ANY OF THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT FROM THE WORK SITE AND AS REQUIRED, FROM THE WATERWAY MANAGEMENT DIVISION OF THE CITY AND COUNTY OF DENVER. UNDERSTAND THAT ADDITIONAL CONSTRUCTION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED TO INFORMATION ON PREVIOUS EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE REQUIREMENTS SET FORTH HEREIN. THE OWNER AND CONTRACTOR SHALL CONGRESS TO MAINTAIN THE URBAN LAND OMBREWSE AND PROVIDE FOR THE SUCCESSFUL COMPLETION OF THE PROJECT. THE OWNER'S WORK DEPARTMENT SHALL BE RESPONSIBLE FOR GENERATING ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.

2. A LAYER OF SUITABLE MULCH SHALL BE APPLIED TO ALL EXPOSED PORTIONS OF THE SITE WITHIN 14 DAYS OF THE COMPLETION OF HIGH IMPACT GRADING. MULCH SHALL BE APPLIED AT A RATE OF 2" ON ALL AREAS, AND SHALL MEET THE SPECIFICATIONS FOR THE TYPE OF MULCH USED. ROUGH-UP STREET SHALL BE MULCHED UNLESS A LAYER OF AGGREGATES BASE MATERIAL IS USED. APPLE IS TO BE APPLIED TO SABD MULCH-OK STREETS WITHIN THE 14-DAY PERIOD OF COMPLETION OF DELAY WATER GRADING.

3. THE CONTRACTOR SHALL LOCATE, INSTALL AND MAINTAIN ALL EROSION CONTROL AND WATER QUALITY BEST MANAGEMENT PRACTICES AS INDICATED IN THE APPROVED ACTIVITIES STORM WATER MANAGEMENT PLAN (DPS AND CITY AND COUNTY OF DENVER DEPARTMENT OF PUBLIC WORKS "WATER RULES AND REGULATIONS GOVERNING SEWERAGE CHARGES AND FEES AND MANAGEMENT OF WASTEWATER")

4. NO BUSINESS, GENERAL CONSTRUCTION GRADING CONTRACTOR AND OR THEIR AUTHORIZED AGENT SHALL INSTALL THAT ALL SEDiments OF CI AND ALL MATERIALS IMPORTED TO OR RECEIVED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON FIFTEEN FEET OF WAYS (SEC.69-1002, REVISED MUNICIPAL CODE)

5. THE USE OF REAP, SEDIMENTucoN TRAYS, STEEL TRENCH PLUGS OR ALL STORM WATER SEDIMENT BASINS OR TO SUPPORT SEDIMENT BASED ON THE PERCENTAGE OF TEMPERATURES AT THE TIME. THE USE OF OVER APPLIQUED PLANT MATERIALS WILL NOT BE ACCEPTABLE.

6. SEDIMENT BASES WILL BE STORED FOR BERM FOR 90 DAYS TO BE REMOVED FROM AND WATER SEDIMENT WITHIN 14 DAYS OF STORM CONSTRUCTION. SEDIMENT AND PROTECTION OF THE SEDIMENT BASED ON THE PERCENTAGE OF TEMPERATURES AT THE TIME. THE USE OF OVER APPLIQUED PLANT MATERIALS WILL NOT BE ACCEPTABLE.

7. THE USE OF REAP, SEDIMENTucoN TRAYS, STEEL TRENCH PLUGS OR ALL STORM WATER SEDIMENT BASINS OR TO SUPPORT SEDIMENT BASED ON THE PERCENTAGE OF TEMPERATURES AT THE TIME. THE USE OF OVER APPLIQUED PLANT MATERIALS WILL NOT BE ACCEPTABLE.

8. SEDIMENT BASES WILL BE STORED FOR BERM FOR 90 DAYS TO BE REMOVED FROM AND WATER SEDIMENT WITHIN 14 DAYS OF STORM CONSTRUCTION. SEDIMENT AND PROTECTION OF THE SEDIMENT BASED ON THE PERCENTAGE OF TEMPERATURES AT THE TIME. THE USE OF OVER APPLIQUED PLANT MATERIALS WILL NOT BE ACCEPTABLE.
GENERAL IRRIGATION NOTES:

1. The irrigation contractor shall become thoroughly familiar with the specifications for this and related work prior to construction.

2. Install pop-up type sprinkler heads installed in lawn areas so that top of sprinkler head is flush with adjacent sidewalk or curb.

3. Set sprinkler heads perpendicularly to finish grade of area to be irrigated unless otherwise indicated on drawings.

4. When vertical obstructions (fence, hydrants, trees, lights, etc.) interfere with spray pattern of sprinkler heads so as to prevent proper coverage, adjust sprinkler system by installing a quarter circle, half circle, or adjustable circle sprinkler head on each side of obstruction so as to provide proper coverage. Perform adjustments at no cost to owners authorized representative.

5. Sprinkler system design is based on maximum operating pressure and maximum flow demand shown on irrigation drawings at each point of connection. Verify water pressure prior to construction. Report differences between water pressure indicated on drawings and actual pressure reading at irrigation point-of-connection to owner's authorized representative. In event pressure differences are not reported prior to start of construction, contractor assumes full responsibility for revisions.

6. Use only electrical power outlet at the controller will be provided by general contractor. Make final hook-up from electrical outlet to automatic controller. All work to be completed in accordance with current NEC.

7. This design is diagrammatic. Pipe, valves, etc. may be shown within paved areas for design clarification only and shall be installed in planting areas where possible areas conflicts between sprinkler system, plumbing, and architectural features. All valves, boxes shall be placed within planting bed.

8. Flush and adjust sprinkler heads for optimum performance and to prevent over spray onto walls, foundations, and buildings. This includes selecting the best degree of arc to fit site conditions and to throttle flow control at each valve to achieve optimum pressure for each system.

9. Do not install sprinkler system as indicated on drawings. When it is obvious in field that obstructions, grade differences in area dimensions exist that were not have been considered during design, bring such obstructions to the attention of owner's authorized representative. In event this notification is not performed, contractor assumes full responsibility for revisions.

SPRINKLER SCHEDULE

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<th>Symbol</th>
<th>Description</th>
<th>Make</th>
<th>Model</th>
<th>Nozzle</th>
<th>S.P.M.</th>
<th>P.S.I.</th>
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<tr>
<td>P.S.P.</td>
<td>PIPE SPREADER HEAD</td>
<td>RAM BIRD</td>
<td>1000-PS-30</td>
<td>120</td>
<td>2.79</td>
<td>50 PSI</td>
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EQUIPMENT SCHEDULE

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<tr>
<td>A</td>
<td>NEW RAM BIRD PUMP STATION</td>
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<tr>
<td>B</td>
<td>SLIDING CLASS 200 PVC - OR AS INDICATED ON PLAN</td>
</tr>
<tr>
<td>C</td>
<td>TYPE A COPPER PIPE</td>
</tr>
<tr>
<td>D</td>
<td>MINIMUM PIPE CLASS 200 PVC</td>
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<tr>
<td>E</td>
<td>LATERAL PVC CLASS 200 PVC</td>
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<tr>
<td>F</td>
<td>UNCONNECTED PIPE CROSSING</td>
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<td>G</td>
<td>RELACOLED BLOWOFF PREVENTION ASSEMBLY</td>
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<td>H</td>
<td>ISOLATION GATE VALVE ASSEMBLY</td>
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<tr>
<td>I</td>
<td>QUICK OUTLET VALVE ASSEMBLY: RAM BIRD 44MP</td>
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<td>J</td>
<td>REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATTICE</td>
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<td>K</td>
<td>IRRIGATION CONTROL: RAM BIRD EPG-nc SERIES</td>
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<td>L</td>
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<td>N</td>
<td>INDICATES REMOTE CONTROL合わせ 8 INCHES</td>
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POINT OF CONNECTION NOTE:

- Contact to water meter before proceeding for irrigation connection. Supply rotation to site improvement plans for additional information.

- System design pressure: 80 PSI from irrigation demand: 120 GPM

DENVER PUBLIC SCHOOLS
DEPARTMENT OF FACILITIES MANAGEMENT

IRRIGATION NOTES:

- All plants supplied with water shall be watered twice a week for the first two weeks of a season.

- During the summer months, no watering shall be done on weekends.

- Watering shall be done before 10:00 AM or after 3:00 PM to minimize evaporation loss.

- Watering should be done in a manner that allows the soil to absorb the water properly, avoiding runoff and waste.