STANDARD TYPE "CG-1" CURB

NOTE: IN TRANSITIONS, WATER SHALL FLOW FROM THE GUTTER OF TYPE "CG-1" CURB TO THE LIP OF TYPE "CG-1 DRY" CURB AT 0.5% MIN. SLOPE.

1. PREMOLDED EXPANSION JOINTS SHALL BE PLACED AT POINTS OF CURVATURE, CURB RETURNS, CURB INLETS AND AT 250' CENTERS. THE EXPANSION JOINTS SHALL BE DOWELED IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTION JOINTS SHALL BE 2" DEEP AND PLACED AT 15' INTERVALS EQUALLY SPACED BETWEEN EXPANSION JOINTS.
2. ALL CONCRETE USED IN THE WORK SHALL MEET THE SPECIFICATIONS. KCMMB4K CONCRETE SHALL BE USED THROUGHOUT.
3. ALL REINFORCING STEEL SHALL BE SUPPORTED ON FABRICATED STEEL BAR SUPPORTS @ 3'-0" MAXIMUM SPACING.
4. SEE SIDEWALK RAMP DETAILS FOR TYPICAL SIDEWALK RAMP CURB & GUTTER SECTIONS.
5. EXPANSION JOINT TYPE 1
6. CONTRACTION JOINT TYPE 3
7. CURBS TO BE CONSTRUCTED ON MINIMUM 6 INCHES OF COMPACTED WELL GRADED BASE ROCK.

EXPANSION JOINT TYPE 1

CONTRACTION JOINT TYPE 3

CONCRETE CURB & GUTTER

NOTE: IN TRANSITIONS, WATER SHALL FLOW FROM THE GUTTER OF TYPE "CG-1" CURB TO THE LIP OF TYPE "CG-1 DRY" CURB AT 0.5% SLOPE.
Know what's below before you dig. Call before you dig.
Know what's below.
Call before you dig.
# TRACK AND PLAYFIELD IMPROVEMENTS

## SUMMARY OF QUANTITIES

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Field 1</td>
<td>300 ft²</td>
</tr>
<tr>
<td>2</td>
<td>Field 2</td>
<td>200 ft²</td>
</tr>
<tr>
<td>3</td>
<td>Field 3</td>
<td>150 ft²</td>
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<tr>
<td>4</td>
<td>Field 4</td>
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<td>5</td>
<td>Field 5</td>
<td>50 ft²</td>
</tr>
<tr>
<td>6</td>
<td>Total</td>
<td>700 ft²</td>
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</table>

## CONSTRUCTION SCHEDULE

<table>
<thead>
<tr>
<th>Week</th>
<th>Task</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Excavation</td>
<td>Remove existing material</td>
</tr>
<tr>
<td>2</td>
<td>Grading</td>
<td>Lay new grading material</td>
</tr>
<tr>
<td>3</td>
<td>Seeding</td>
<td>Plant new grass seedling</td>
</tr>
<tr>
<td>4</td>
<td>Fertilizing</td>
<td>Apply fertilizer to new grass</td>
</tr>
<tr>
<td>5</td>
<td>Maintenance</td>
<td>Regular maintenance of new field</td>
</tr>
</tbody>
</table>

## CONSTRUCTION NOTES

1. The construction work shall be performed in accordance with the plans and specifications set forth in this drawing.
2. All materials used in the construction shall be of quality and type specified on the plans.
3. The work shall be performed in such a manner as to minimize any disturbance to existing vegetation.
4. The ground surface shall be compacted to ensure stability and proper drainage.

## EROSION CONTROL NOTES

1. All excavations shall be protected against erosion.
2. The construction work shall be performed in a manner to minimize the generation of debris and dust.
3. The construction site shall be kept clean and free of debris.
4. All construction materials shall be stored in a manner to prevent movement by wind or water.

## LAKEVIEW MIDDLE SCHOOL & ENGLISH LANDING ELEMENTARY SCHOOL

6720 NW 64TH STREET & 6500 NW KLAMM DRIVE
KANSAS CITY, MO 64151

## DESIGN AND ENGINEERING

- David D. Wood
- PROFESSIONAL ENGINEER
- 2011-03-7427

## CONTRACTOR

- Erosion Control Systems

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**Geotechnical Notes:**

- All excavation work shall be performed by a licensed contractor.
- The work shall be performed in such a manner as to minimize any disturbance to existing groundwater and subsurface conditions.
- The construction site shall be kept clean and free of debris.
- All construction materials shall be stored in a manner to prevent movement by wind or water.

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**Temporary and Permanent Setting:**

- Temporary setting
- Permanent setting
- Environmentally sensitive areas
- Property lines
- Utilities
- Special areas
- Subsurface conditions

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**Specifications:**

- Material types
- Methods of construction
- Quality control
- Testing and inspection

---

**Contractor Information:**

- Erosion Control Systems
- 123 Main St, Anytown, USA
- Phone: 555-1234
- Email: info@erosioncontrol.com

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**Acknowledgments:**

- Acknowledgments to the project team and the community for their support and cooperation.

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**Drawings:**

- General arrangement drawings
- Site plan drawings
- Structural drawings
- Electrical drawings

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**For Construction:**

- Dates
- Scale
- Rev

---

**Drawn By:**

- David D. Wood
- PROFESSIONAL ENGINEER

---

**Reviewed By:**

- John Doe
- PROFESSIONAL ENGINEER
Know what's below. Call before you dig.
Know what's below. Call before you dig.

R"
Know what's below. Call us if you dig.
Notes for Diversion Berm:
1. Slope drains are optional, but may be required by the engineer if the berm is at the toe of a slope drain.
2. Diversion berms must be installed as a first step in the land-disturbing activity and must be maintained prior to surface land disturbance.
3. The berm must be adequately protected to prevent erosion.
4. Temporary or permanent seeding and mulch shall be applied to the berm immediately following its construction.
5. Place the berm as to minimize damage to other construction projects and traffic.
6. The berm must discharge to a temporary sediment trap or stabilized area.
7. All trees, shrubs, plants, and vegetation shall be protected during the berm’s installation and operation.
8. The diversion shall be excavated or shaped to the design criteria.
9. Pipe shall be installed in a manner that will not impede flow.
JUNCTION BOX AND CURB INLET NOTES

SECTION A-A

PLAN

JUNCTION BOX ALTERNATE #1

ELEVATION PLAN

NON-SETBACK CURB INLET

STEEL INLET FRAME (6" THROAT)

Fig. 1. All details to be fabricated in accordance with approved

Elev. 1/4" = 1'-0"

Concrete Curb and Cover to

Made in XXXX

NSD Curb and Cover to

No. 4 Bar at 1" (Non-Wash) (24" Wash)

No. 4 Bar at 1/2" (Non-Wash) (24" Wash)

No. 4 Bar at 1/2" (Non-Wash) (12" Wash)

No. 4 Bar at 1/2" (Non-Wash) (12" Wash)

Fig. 2. Steel Inlet Frame (6" Throat)

Concrete Curb and Cover to

Concrete Curb and Cover to

1/2" Steel Inlet Frame (6" Throat)

1/2" Steel Inlet Frame (6" Throat)

No. 4 Bar at 1/2" (Non-Wash) (12" Wash)

No. 4 Bar at 1/2" (Non-Wash) (12" Wash)

No. 4 Bar at 1/2" (Non-Wash) (12" Wash)

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No. 4 Bar at 1/2" (Non-Wash) (12" Wash)
1. 8" - 30" grates/solid covers shall be ductile iron per ASTM A536 Grade 70-50-05, with the exception of the 8" - 15" bronze grates.

2. 12" - 30" frames shall be ductile iron per ASTM A536 Grade 70-50-05.

3. Drain basin to be custom manufactured according to plan details. Risers are needed for basins over 84" due to shipping restrictions. See drawing no. 7001-110-065.

4. Drainage connection stub joint tightness shall conform to ASTM D3212 for corrugated HDPE (ADS & HANCOR dual wall) & SDR 35 PVC.

5. Adapters can be mounted on any angle 0° to 360°. To determine minimum angle between adapters see drawing no. 7001-110-012, 7001-110-013, & 7001-110-014.

6. Grates shall meet H-10 load rating for 12" - 24" PED.


8. All bronze grates, drop in grates, & 8" & 10" PED/STD grates & solid covers are rated for light duty applications only.

9. Dome grates have no load rating.

Traffic Loads:
Refer to detail [041] for thickness.
GENERAL NOTES
1. All utilities shown on plans are based on above ground observation and may not include all lines present. VSR Design accepts no responsibility for the accuracy of utility locations as shown. All utilities are to be field located prior to excavation. Contact Missouri One-Call, individual utility companies, and owner for field locates. The contractor shall be solely responsible for damage to existing utilities, whether shown on the plans or not.
2. The contractor shall meet the requirements of all federal, state, and local codes having jurisdiction over the work.
3. Permits shall be obtained by the contractor for all work regardless of permits in design. All permits shall be submitted to the architect/engineer for review and approval. All permits shall be subject to review and approval by the architect/engineer and contractor shall be responsible for ensuring that the information on the 2007 permit is correct and that all permits are obtained. The contractor shall be responsible for paying all associated fees.
4. All work shall be done in accordance with the plans and requirements of the construction specifications. Clarification of any discrepancies between plans and specifications shall be made by owner and/or architect/engineer.
5. A CADD disk (AutoCAD R2007) will be made available to the contractor for layout and staking purposes if desired, for a fee as designated in the contract specifications. Allow one week for the architect/engineer to process the disk. The architect/engineer believes the disk to be accurate, however the contractor shall be responsible for confirming that the information on the disk conforms to the dimensions and elevations shown on the drawings.
6. All equipment used on natural turf playing fields shall be equipped with shock mount tires or tracks to prevent over-compaction of soils. Playing field surfaces to have compaction below 60 PSF. Any areas with higher compaction shall be re-graded to a depth of 12" and re-graded.

KEYED NOTES
1. PROVIDE AND INSTALL 4" AND 2" SCH. 40 PVC SLEEVES FOR FUTURE CONTROL WIRE. EXTEND 12" BEYOND EDGE OF PAVEMENT & CAP. INSTALL REBAR FOR FUTURE LOCATIONS.
2. PROVIDE AND INSTALL (2) - 4" AND (2)-2" SCH. 40 PVC SLEEVES FOR FUTURE CONTROL WIRE. EXTEND 12" BEYOND EDGE OF PAVEMENT & CAP. INSTALL REBAR FOR FUTURE LOCATIONS.
3. PROVIDE AND INSTALL GALVANIZED CHAIN LINK FENCING.
4. PROVIDE AND INSTALL POLE VAULT PAD/RUNWAY AND STRIPING, RE: 6/PF 4.0
5. PROVIDE AND INSTALL SHOT PUT CONCRETE PAD & LIMESTONE SCREENINGS AND INSTALL 6" X 12" CONCRETE CURB AND 4" DEPTH LIMESTONE SCREENINGS.
6. PROVIDE AND INSTALL CONCRETE FIELD CURB, RE: 2/PF 4.0 1
7. PROVIDE AND INSTALL PERIMETER TRACK WALK, RE: 1/PF 4.0 2
8. PROVIDE AND INSTALL 5' WIDE GALVANIZED CHAIN LINK SINGLE GATE.
9. PROVIDE AND INSTALL 20' WIDE GALVANIZED CHAIN LINK DOUBLE GATE.
10. PROVIDE AND INSTALL 10' WIDE GALVANIZED CHAIN LINK DOUBLE GATE.
11. PROVIDE AND INSTALL 20' WIDE GALVANIZED CHAIN LINK DOUBLE GATE.
12. PROVIDE AND INSTALL 10' WIDE GALVANIZED CHAIN LINK DOUBLE GATE.
13. PROVIDE AND INSTALL 1/2" POLYURETHANE RESILIENT TRACK SURFACING.
14. PROVIDE AND INSTALL 1/2" POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING.
15. PROVIDE AND INSTALL 60'-0" 1/2" POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING.
16. PROVIDE AND INSTALL 60'-0" 1/2" POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING.

LEGEND
- 4" AND 2" SCH. 40 PVC SLEEVES FOR FUTURE CONTROL WIRE
- PROVIDE AND INSTALL GALVANIZED CHAIN LINK FENCING
- PROVIDE AND INSTALL POLE VAULT PAD/RUNWAY AND STRIPING
- PROVIDE AND INSTALL SHOT PUT CONCRETE PAD & LIMESTONE SCREENINGS
- PROVIDE AND INSTALL 6" X 12" CONCRETE CURB AND 4" DEPTH LIMESTONE SCREENINGS
- PROVIDE AND INSTALL CONCRETE FIELD CURB, RE: 2/PF 4.0 1
- PROVIDE AND INSTALL PERIMETER TRACK WALK, RE: 1/PF 4.0 2
- PROVIDE AND INSTALL 5' WIDE GALVANIZED CHAIN LINK SINGLE GATE
- PROVIDE AND INSTALL 20' WIDE GALVANIZED CHAIN LINK DOUBLE GATE
- PROVIDE AND INSTALL 10' WIDE GALVANIZED CHAIN LINK DOUBLE GATE
- PROVIDE AND INSTALL 1/2" POLYURETHANE RESILIENT TRACK SURFACING
- PROVIDE AND INSTALL 1/2" POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING
- PROVIDE AND INSTALL 60'-0" 1/2" POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING
- PROVIDE AND INSTALL 60'-0" 1/2" POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING
- PROVIDE AND INSTALL 60'-0" 1/2" POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING
GENERAL NOTES

1. THESE DRAWINGS ARE BASED ON ABOVE-GROUND OBSERVATIONS AND MAY NOT INCLUDE ALL ITEMS PRESENT. VSRDESIGNS ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY LOCATIONS AS SHOWN. ALL UTILITIES ARE TO BE FIELD LOCATED PRIOR TO EXCAVATION. CONTRACTOR SHALL RESPOND TO ANY MARKINGS OR CHANGES MADE TO LOCATIONS SHOWN OR MARKED BY OWNER, INDIVIDUAL UTILITY COMPANIES, AND OWNER FOR FIELD LOCATES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT.

2. ALL EQUIPMENT USED ON NATURAL TURF PLAYING FIELDS SHALL BE EQUIPPED WITH FLOTATION TURF TIRES OR "TRACKS" TO PREVENT OVER-COMPACTION OF SOILS. PLAYING FIELD SURFACES TO HAVE COMPACTION BETWEEN 85-90%. ANY AREAS WITH HIGHER COMPACTION SHALL BE RIPPED/DISKED TO A LANDSCAPE-PLANNING-SPORTS-RECREATION

3. A CADD DISK (AUTOCAD R2007) WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR LAYOUT AND STAKING PURPOSES IF DESIRED, FOR A FEE AS AGREED.

4. PROVIDE AND INSTALL CONCRETE FIELD CURB, RE: TRACK SURFACING.

5. PROVIDE AND INSTALL 4" AND 2" SCH. 40 PVC SLEEVES FOR FUTURE LOCATIONS.

6. PROVIDE AND INSTALL 10' WIDE CHAIN LINK FENCE. PROVIDE AND INSTALL 5' WIDE CHAIN LINK SINGLE GATE.

7. ALL DISTURBED AREAS WILL BE SEEDED WITH 1 LBS OF FESCUE SEED PER 1,000 SF. ALL SLOPES GREATER THAN 4:1 SHALL RECEIVE A 6-12 MONTH EROSION CONTROL PLAN.

8. PROVIDE AND INSTALL 50'-0" ELECTRICAL CONDUIT FROM COMBOX TO PLAY CLOCK. PLACE 1.5" CONDUIT FROM COMBOX TO PLAY CLOCK, ROUTE ADJACENT TO TRACK AND LAY IN PARALLEL TO CURB AT BOTTOM OF FIELD.

KEYED NOTES

1. PROVIDE AND INSTALL 1/2" POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING.

2. PROVIDE AND INSTALL 1/2" CLAY BASED RUNWAY WITH TURF COVER.

3. PROVIDE AND INSTALL CONCRETE PAD & LIMESTONE SCREENINGS AND GOLF HOLE MOUND.

4. PROVIDE AND INSTALL SHOT PUT CONCRETE PAD & LIMESTONE SCREENINGS.

5. PROVIDE AND INSTALL POLE VAULT PAD/RUNWAY AND STRIPING.

6. PROVIDE AND INSTALL LONG/TRIPLE JUMP RUNWAY WITH SAND JUMP PITS.

7. PROVIDE AND INSTALL 10' WIDE CHAIN LINK SINGLE GATE.

8. PROVIDE AND INSTALL 5' WIDE CHAIN LINK DOUBLE GATE.

9. PROVIDE AND INSTALL 2' FOOTBALL CURB AND 2' FOOTBALL SINGLE GATE.

10. PROVIDE AND INSTALL 4' FOOTBALL CURB AND 4' FOOTBALL SINGLE GATE.

11. PROVIDE AND INSTALL 1/2" POLYURETHANE RESILIENT TRACK SURFACING.

12. PROVIDE AND INSTALL 1/2" CLAY BASED RUNWAY WITH TURF COVER.

13. PROVIDE AND INSTALL CONCRETE PAD & LIMESTONE SCREENINGS.

14. PROVIDE AND INSTALL POLE VAULT PAD/RUNWAY AND STRIPING.

15. PROVIDE AND INSTALL LONG/TRIPLE JUMP RUNWAY WITH SAND JUMP PITS.

16. PROVIDE AND INSTALL 1/2" POLYURETHANE RESILIENT TRACK SURFACING.
GENERAL NOTES
1. All utilities shown on plans are based on above ground observation and may not include all lines present. VSRDESIGN accepts no responsibility for the accuracy of the utility locations as shown. All utilities are to be field located prior to excavation. Contact Missouri One Call, individual utility companies, and owners for field locates. The contractor shall be solely responsible for damage to existing utilities, whether shown on the plans or not.
2. The contractor shall meet the requirements of all federal, state, and local codes having jurisdiction over the work.
3. The contractor shall pay all permit fees and other associated fees required to successfully complete the project.
4. All work shall be done in accordance with the plans and requirements of the construction specifications. The contract specifications shall be made by owner and/or engineer/architect.
5. A CADD disk (Autodesk R2007) will be made available to the contractor for layout and staking purposes if desired, for a fee as designated in the contract specifications. The architect/engineer believes the disk to be accurate, however, the contractor shall be responsible for confirming that the information on the disk conforms to the dimensions and elevations shown on the drawings.
6. All equipment used on natural turf playing fields shall be equipped with flotation turf tires or tracks to prevent over compaction of soil. Experimental designs to have compaction between 85-90%, any area with higher compaction shall be reseeded to a depth of 1-2" and re-grassed.

KEYED NOTES
1. PROVIDE AND INSTALL ROPE LAMP AREA WITH 1/2") POLYURETHANE RESILIENT TRACK SURFACING.
2. PROVIDE AND INSTALL 800 METER, 8-LANE RUNNING TRACK WITH 1/2") POLYURETHANE RESILIENT TRACK SURFACING AND STRIPING.
3. PROVIDE AND INSTALL BASEMENT JUMP RUNWAY WITH DANS LAMP Pitts, RE-APPL.
4. PROVIDE AND INSTALL SHOT PUT CONCRETE PAD & LIMESTONE SCREENINGS AND INSTALL 6" X 12" CONCRETE CURB AND 4" DEPTH LIMESTONE SCREENINGS.
5. PROVIDE AND INSTALL POLE VAULT PADS/RUNWAY AND STRIPING, RE: 6')/PF 4.0
6. PROVIDE AND INSTALL SHOT PUT CONCRETE PAD & LIMESTONE SCREENINGS AND INSTALL 6" X 12" CONCRETE CURB AND 4" DEPTH LIMESTONE SCREENINGS.
7. PROVIDE AND INSTALL CONCRETE FIELD CURB, RE: 2')/PF 4.0
8. PROVIDE AND INSTALL (2) - 4" AND (2)-2" SCH. 40 PVC SLEEVES FOR FUTURE CONTROL WIRE. EXTEND 12" BEYOND EDGE OF PAVEMENT & CAP. INSTALL REBAR FOR FUTURE LOCATIONS.
9. PROVIDE AND INSTALL GALVANIZED CHAIN LINK FENCE.
10. PROVIDE AND INSTALL 5' WIDE GALVANIZED CHAIN LINK SINGLE GATE.
11. PROVIDE AND INSTALL 20' WIDE GALVANIZED CHAIN LINK DOUBLE GATE.
12. PROVIDE AND INSTALL 10' WIDE GALVANIZED CHAIN LINK DOUBLE GATE.
13. ALL DISTURBED AREAS WILL BE SEEDED WITH 10 LBS OF FESCUE SEED PER 1,000 SF.
14. ALL SLOPES GREATER THAN 4:1 SHALL RECEIVE A 6-12 MONTH EROSION CONTROL BLANKET, OR HYDROMULCH.
GENERAL NOTES

1. All other sections and schedules are based on ground observations and are not to include all lines present. VSRDESIGN accepts no responsibility for the accuracy of the utility locations as shown. All utilities are to be field located prior to excavation. Contact Missouri One-Call, individual utility companies, and/or owner for field locations. The contractor shall be solely responsible for damage to existing utilities, whether shown on the plans or not.

2. The contractor shall meet the requirements of all federal, state, and local codes having jurisdiction over the work.

3. The contractor shall pay all permit fees and other associated fees required to successfully complete the project.

4. All work shall be done in accordance with the plans and specifications and all discrepancies between drawings and specifications shall be made by owner and/or engineer/architect.

5. A CADD disk (Autocad R2007) will be made available to the contractor for layout and staking purposes if desired, for a fee as designated in the contract specifications. Allow one week for the architect/engineer to process the disk. The architect/engineer believes the disk to be accurate, however the contractor shall be responsible for confirming that the information on the disk conforms to the dimensions and elevations shown on the drawings.

6. All equipment used on natural turf playing fields shall be equipped with flotation turf tires or "tracks" to prevent over-compaction of soils. Playing fields are to have compaction between 85-90%. Any areas with excessive compaction shall be re-graded to a depth of 12" and re-graded.

7. All disturbed areas will be seeded with 10 lbs of Fescue seed per 1,000 sq ft.

8. All slopes greater than 4:1 shall receive a 6-12 month erosion control blanket, or Hydro-Mulch.

KEYED NOTES

1. Provide and install polyurethane resilient track surfacing.

2. Provide and install 400 meter, 6 lane running track with 1/8" polyurethane resilient track surfacing and stripes.

3. Provide and install long jump runway with 1/8" polyurethane mats, re-implants.

4. Provide and install shot put concrete pad & limestone screenings and install 6" x 12" concrete curb and 4" depth limestone screenings.


8. Provide and install galvanized chain link fence.

9. Provide and install 5' wide galvanized chain link single gate.

10. Provide and install 20' wide galvanized chain link double gate.

11. Provide and install 10' wide galvanized chain link double gate.


13. Provide and install (2) - 4" and (2) - 2" Sch. 40 PVC sleeves for future control wire. Extend 12" beyond edge of pavement & cap. Install rebar for future locations.

14. Provide and install concrete blanket on future locations.

LEGEND

- Resistant Track Surfacing
- Chain Link Fence
- Concrete Field Curb
- Concrete Pad
- New Utilities
- Existing Utilities
IRRIGATION HEAD INSTALLATION

1. LOCATION DESIGN IS BASED ON A MINIMUM FLOW OF 60 GPM AND PRESSURE OF 70 PSI AT THE POINT OF CONNECTION.
2. MINIMUM PRESSURE AT FARTHEST HEAD SHALL BE A MINIMUM OF 50 PSI.
3. SUPPLY AND INSTALL A BOOSTER PUMP MFG. MUNRO MODEL LP100B WITH POWDER COATED STAINLESS STEEL ENCLOSURE. POUR 4" CONCRETE PAD TO SET PUMP AND ENCLOSURE UNIT.
4. SPRINKLER LOCATIONS ARE TO SCALE. PIPE LOCATIONS ARE DIAGRAMMATIC. CONSULT WITH LANDSCAPE ARCHITECT IF CONSTRUCTION VARIES A GREAT DEAL FROM PLAN.
5. PROVIDE 2 QUICK COUPLING KEYS (1" MALE OUTLET) AND SH-2 SWIVEL HOSE ELL FOR EACH KEY.
6. ROUTE 2 SPARE WIRES FROM CONTROLLER AROUND ENTIRE MAIN LINE LOOP. PROVIDE DIFFERENT COLOR OF WIRE FOR IDENTIFICATION.

HUNTER HQ44RC QUICK COUPLING VALVE (1"
MANUAL SHUT-OFF VALVE (SIZED AS SHOWN)
BACKFLOW PREVENTION DEVICE (DOUBLE CHECK)

MAINLINE PIPE: CLASS 200 PVC (2.5-INCH SIZE)
LATERAL PIPE: CLASS 200 PVC (SIZED AS SHOWN)
METER - EXISTING

VANCE S.RZEPKA NUMBER LA-000144
REMOTE CONTROL VALVE
MODEL ICV - SIZE AS NOTED ON PLAN
FINISH GRADE
3/4" MINUS WASHED GRAVEL
BRICK SUPPORTS (4)
MAIN LINE PIPE & FITTINGS
SCH 80 T.O.E. NIPPLE
STANDARD VALVE BOX
WATERPROOF CONNECTORS (2)
18-24" COILED WIRE
PVC SLIP UNIONS
CHRISTY ID TAG
LATERAL PIPE
LATERAL TEE OR ELL
MODEL I-25 ROTOR HEAD
PREFABRICATED SWING JOINT
FINISH GRADE
RUBBER COVER
CONTROL WIRE IN ELECTRICAL CONDUIT. SIZE AND TYPE PER LOCAL CODE
* NOTE:
18 STATION MODEL CONTROLLER. MOUNT CONTROLLER IN OUTDOOR MECHANICAL AREA OF BUILDING PER MFGS. RECOMMENDATION. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 VAC SOURCE. CONTROLLER TO BE EQUIPPED AND INCLUDE HANDHELD KIT.
3/4" POWER SUPPLY CONDUIT
J BOX INSIDE CONTROLLER
CONNECT PER LOCAL CODE
SCALE
1" = 0 FEET
PF 3.02

IRRIGATION NOTES
1. LOCATE VALVES OUT OF VISIBILITY/VIEW.
2. WATER CONNECTIONS TO BE WATERPROOF.
3. ECD TRENCH LOCATIONS PER PLAN.
4. ALL D.E.S. TO BE IN D.E.S. RATED PIPE.
5. WATER VALVES IN 1/2" DIAMOND, CEMENT, GLASS.
6. SITE TO H.D.R. INSTALLATIONS NOT TO EXCEED 2 COILS.
7. LOCATE IN mM. WHERE GROUNDS DRAW TO WATER MAIN VALVE BOX.

1. LOCATE VALVES OUT OF VISIBILITY/VIEW.
2. WATER CONNECTIONS TO BE WATERPROOF.
3. ECD TRENCH LOCATIONS PER PLAN.
4. ALL D.E.S. TO BE IN D.E.S. RATED PIPE.
5. WATER VALVES IN 1/2" DIAMOND, CEMENT, GLASS.
6. SITE TO H.D.R. INSTALLATIONS NOT TO EXCEED 2 COILS.
7. LOCATE IN mM. WHERE GROUNDS DRAW TO WATER MAIN VALVE BOX.

GENERAL NOTES
1. BOOSTER PUMP FURNISHED AND INSTALLED BY CONTRACTOR. MUNRO MODEL CP100B COMPLETE PRO II (VERIFY PRESSURE) WITH A PUMP START IN A MUNRO PRESSURE START CONTROL BOX. THE PUMP AND CONTROL BOX ELECTRICAL POWER IS 110V.
2. POUR 4" CONCRETE PAD TO SET PUMP AND ENCLOSURE UNIT.

CONSULT WITH LANDSCAPE ARCHITECT IF CONSTRUCTION VARIES A GREAT Deal FROM PLAN.

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SCALE
1" = 0 FEET
PF 3.02