

CITY OF COLORADO SPRINGS, EL PASO COUNTY, COLORADO

CONSTRUCTION BID PLANS FOR PROPOSED
SAFE ROUTES TO SCHOOL 2014 PROJECT: SAR M240-139
EDISON ELEMENTARY SCHOOL SIDEWALK IMPROVEMENTS
PROJECT CODE: 18673



PROJECT LOCATION MAP
SCALE: NTS



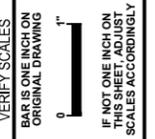
PROJECT DRAWING LIST		
SHEET NUMBER	SHEET NAME	SHEET DESCRIPTION
GENERAL SHEETS		
1	G000	COVER SHEET
2	G001	LEGEND AND ABBREVIATIONS
3	G002	GENERAL NOTES
4	G003	SUMMARY OF QUANTITIES
5	G004	SWMP
CIVIL SHEETS		
6	C000	SURVEY CONTROL PLAN AND KEY MAP
7	C100	DEMOLITION PLAN
8	C200	IMPROVEMENT PLAN AND PROFILE 0+00 - 4+50 NORTH SIDE
9	C201	IMPROVEMENT PLAN AND PROFILE 4+50 - 9+20 NORTH SIDE
10	C202	IMPROVEMENT PLAN AND PROFILE 0+00 - 4+50 SOUTH SIDE
11	C203	IMPROVEMENT PLAN AND PROFILE 4+50 - 9+20 SOUTH SIDE
12	C500	DETAILS

REVIEWED BY:

- CITY ENGINEERING
BY: _____ DATE: _____
- CITY TRAFFIC ENGINEERING
BY: _____ DATE: _____
- CITY STREETS DIVISION
BY: _____ DATE: _____
- COLORADO SPRINGS UTILITIES - WASTEWATER
BY: _____ DATE: _____
- COLORADO SPRINGS UTILITIES - WATER
BY: _____ DATE: _____
- COLORADO SPRINGS UTILITIES - GAS
BY: _____ DATE: _____
- COLORADO SPRINGS UTILITIES - ELECTRIC
BY: _____ DATE: _____
- CENTURY LINK COMMUNICATIONS
BY: _____ DATE: _____
- COMCAST CABLE
BY: _____ DATE: _____



PRELIMINARY
NOT FOR CONSTRUCTION



VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

CITY OF COLORADO SPRINGS
PUBLIC WORKS / CITY ENGINEERING
PO BOX 1575, MAIL CODE 410
30 S. NEVADA AVE., SUITE 401
COLORADO SPRINGS, CO 80903

CAPITAL IMPROVEMENT PROGRAM
EDISON ELEMENTARY - SRTS

COVER SHEET

SCALE
HORZ: 1"=20'
VERT: -

FILENAME
00G000.dwg

SHEET
G000

1 OF 12 SHEETS

DATE	BY	NO. REVISION	PROJECT MANAGER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT NUMBER
			M. CHAVES	J. HUDSON	J. HUDSON	M. CHAVES	2014-0##

CIVIL SYMBOLOLOGY

SYMBOL OR LINETYPE	DESCRIPTION
⊕ 5255	HORIZONTAL CONTROL LOCATION AND CALLOUT
②	CONSTRUCTION NOTE
B-101	SOIL BORING
TP-101	SOIL TEST PIT
●	WETLAND DELINEATION SAMPLE PLOT
P_SSB#	UTILITY POT HOLE
75.8	SURFACE SPOT ELEVATION
→	DIRECTION OF SURFACE RUNOFF
---	DITCH OR STREAM CENTERLINE
▽	CUT SLOPE
▲	FILL SLOPE
▨	CONSTRUCTION ENTRANCE
▩	CONSTRUCTION STAGING AREA
▧	DIVERSION CULVERT INLET PROTECTION
---	PERMANENT EASEMENT
---	TEMPORARY OR CONSTRUCTION EASEMENT
---	PROPERTY LINES
---	RIGHT OF WAY LINES
---	RIGHT OF WAY CENTERLINE
X-X	BARBED WIRE OR FIELD FENCE
---	WOOD BOARD OR SILT FENCE
HVF	CONSTRUCTION HIGH VISIBILITY FENCE
---	TREE PROTECTION OR CHAIN LINK FENCE
100 YEAR	100 YEAR FLOOD BOUNDARY
□	GUARDRAIL
~	PROFILE FINAL GRADE SURFACE
- - -	PROFILE EXISTING GRADE SURFACE
20	MAJOR CONTOURS AND LABELS
21	MINOR CONTOURS
WTL	WETLAND BOUNDARY AND HATCHING
---	CONSTRUCTION LIMIT
---	WETLAND BUFFER
MHHW	MEAN HIGH WATER
EOP	EDGE OF PAVEMENT
---	SHORELINE JURISDICTION
---	STREAM BUFFER
OHW	ORDINARY HIGH WATER
☁	VEGETATION LINE
★	CONIFER TREE
●	DECIDUOUS TREE

SYMBOL OR LINETYPE	DESCRIPTION
▨	INUNDATED SCRUB SHRUB WETLAND
▩	SATURATED SCRUB SHRUB WETLAND
▧	PALUSTRINE EMERGENT
▦	RIPARIAN
▥	SALT WATER EDGE
▤	UPLAND UPLAND SEED MIX
▣	LOW GROW SEED MIX/ LAWN SEED MIX
▢	WET NATIVE SEED MIX
□	ASPHALT OVERLAY
■	EROSION CONTROL BLANKET OR MATT
▤	CONCRETE
▣	GRAVEL, DRAIN ROCK OR AGGREGATE BASE
▢	SANDBAG REVETMENT
□	DEMOLITION
■	CRUSHED GRAVEL SURFACING
MH	SANITARY SEWER MANHOLE
SS	SANITARY SEWER PIPELINE
CB	CATCH BASIN
■	CATCH BASIN INSERT
Y	CULVERT
SD	STORM DRAIN PIPELINE
175+00	WATER PIPE STATIONING AND TICKS
W	WATER PIPE SINGLE LINE
==	WATER PIPE DOUBLE LINE
⊘	ISOLATION VALVE
▬	TRENCH PLUGS
⊥	BLIND FLANGE
⊘	PLUG VALVE
□	ACCESS & VAULT CHAMBER

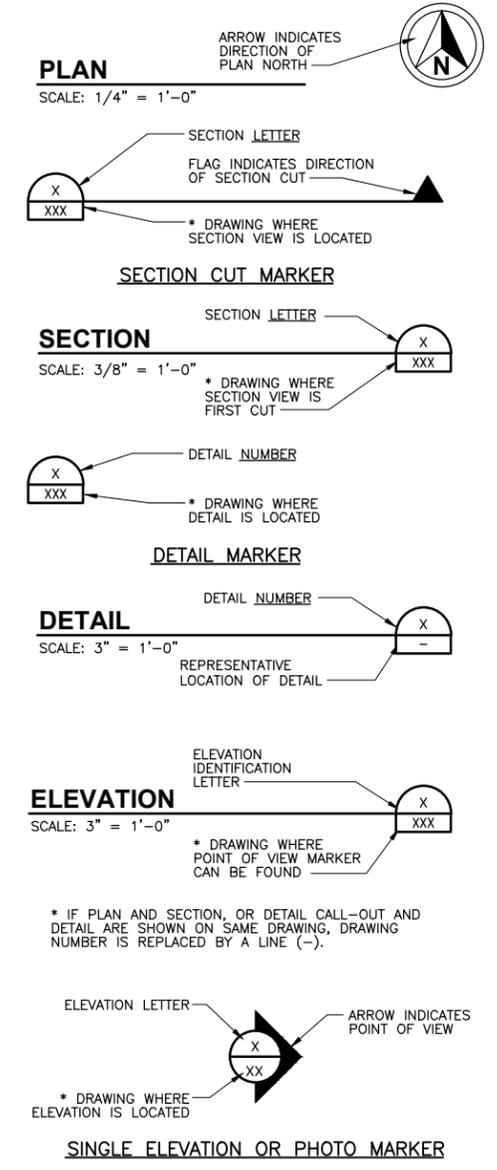
EXISTING CIVIL SYMBOLOLOGY

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊙	MONUMENT	GTP ○	GATE POST
⊕	MONUMENT IN CASE	MB □	MAIL BOX
⊙	REBAR & CAP	★	CONIFEROUS TREE
△	SCRIBED "X"	●	DECIDUOUS TREE
X	PK NAIL	⊙	TEST HOLE (WITH FIELD IDENTIFIER)
⊙	METAL SIGN POST	⊗	YARD LIGHT OR LUMINAIRE W/NO MAST
⊙	WOOD SIGN POST	▩	GRATE INLET
⊙	SANITARY SEWER MANHOLE	CPEP	CORRUGATED POLYETHYLENE PIPE
⊙	STORM DRAIN MANHOLE	RCP	REINFORCED CONCRETE PIPE
□	CATCH BASIN	CIP	CAST IRON PIPE
WM □	WATER METER	CMP	CORRUGATED METAL PIPE
⊙	GAS VALVE	DIP	DUCTILE IRON PIPE
TR □	TRAFFIC JUNCTION BOX	⊙	WATER MANHOLE
EL □	ELECTRICAL JUNCTION BOX	⊗	WATER VALVE
PM □	POWER METER	⊙	FIRE HYDRANT
TC □	TELECOMMUNICATION JUNCTION BOX		
CT □	CABLE TV JUNCTION BOX	LINETYPE	DESCRIPTION
□	JUNCTION BOX	---	GENERIC GAS LINE
P	POWER VAULT	---	IRRIGATION
TEL □	TELECOMMUNICATION RISER	---	STORM DRAIN
⊙	UTILITY POLE	---	SANITARY SEWER
UG ⊙	UTILITY POLE W/CONDUITS TO UNDERGROUND	---	FORCEMAIN
⊙	GUY ANCHOR	---	GENERIC WATER LINE
GPO	GUY POLE	---	UNDERGROUND POWER
⊙	TRAFFIC SIGNAL POLE W/ LUMINAIRE	---	UNDERGROUND FIBER OPTIC
⊙	LUMINAIRE (SINGLE FIXTURE)	---	UNDERGROUND TELEPHONE
⊙	LUMINAIRE (SINGLE FIXTURE) W/CONDUITS TO UNDERGROUND	---	OVERHEAD POWER
		---	OVERHEAD FIBER OPTIC
		---	OVERHEAD TELEPHONE
		---	OVERHEAD TELEVISION
		---	MAJOR CONTOUR
		---	MINOR CONTOUR

GENERAL NOTES:

- THIS IS A STANDARD DRAWING SHOWING COMMON SYMBOLOLOGY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH DRAWING FOR USAGE.

GENERAL SYMBOLOLOGY



IDENTIFICATION SYMBOLOLOGY

FILE TYPE DESIGNATIONS (1ST TWO DIGITS)

00	GENERAL
01	CIVIL DESIGN (ROADWAY AND PEDESTRIAN IMPROVEMENTS)

DRAWING DISCIPLINE ABBREVIATIONS (1ST LETTER)

G	GENERAL
C	CIVIL

DRAWING SERIES DESIGNATIONS (2ND THREE DIGITS)

000	SURVEY CONTROL AND PROJECT KEY MAP
100	DEMOLITION OR REMOVAL PLANS
200	ROADWAY IMPROVEMENTS PLANS OR PLAN AND PROFILES AND SECTIONS
300	DRAINAGE AND GRADING PLAN AND PROFILES
400	ENLARGED PLAN, SECTIONS AND DETAILS
500	STANDARD DETAILS

ABBREVIATIONS

ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
APPROX	APPROXIMATE OR APPROXIMATELY
BCR	BEGIN CURB RADIUS
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
C/L	CENTERLINE
CLR	CLEARANCE
CONC	CONCRETE
DWG	DRAWING
DR	DRIVE
EA	EACH
ECR	END CURB RADIUS
ELEV OR EL	ELEVATION
ESMT	EASEMENT
EW	EACH WAY
EX OR EXIST	EXISTING
FL	FLOWLINE
FT	FOOT/FEET
HBP	HOT BITUMINOUS PAVEMENT
HCL	HORIZONTAL CONTROL LINE
K	VERTICAL CURVE RATIO
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL
DEVS	
NTS	NOT TO SCALE
PC	POINT OF CURVATURE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
P/L	PROPERTY LINE
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE OR POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
RAD	RADIUS, OR CENTER OF RADIUS
ROW	RIGHT-OF-WAY
RT	RIGHT
ST	STREET
STA	STATION
STD	CITY OF COLORADO SPRINGS STANDARD SPECIFICATION
SW OR S/W	SIDEWALK
TBC	TOP BACK OF CURB
TYP	TYPICAL
TER	TERRACE
WWF	WELDED WIRE FABRIC

MISC. ABBREVIATIONS

⊙	AT
⊙	PHASE, DIAMETER
&	AND
'	FEET, MINUTES
"	INCHES, SECONDS
°	DEGREE
#	NUMBER
⊙	CENTERLINE

GENERAL NOTES:

- THESE ABBREVIATIONS APPLY TO THE ENTIRE SET OF CONTRACT DRAWINGS.
- LISTING OF ABBREVIATIONS DOES NOT IMPLY THAT ALL ABBREVIATIONS ARE USED IN THE CONTRACT DRAWINGS.
- ABBREVIATIONS SHOWN ON THIS SHEET INCLUDE VARIATIONS OF A WORD. FOR EXAMPLE, "MOD" MAY MEAN MODIFY OR MODIFICATION; "INC" MAY MEAN INCLUDED OR INCLUDING AND "REINF" MAY MEAN EITHER REINFORCE OR REINFORCING.

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	M. CHAVES
DESIGNED BY	J. HUDSON
DRAWN BY	J. HUDSON
CHECKED BY	M. CHAVES
PROJECT NUMBER	2014-C-##
VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING
	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
<p>CITY OF COLORADO SPRINGS PUBLIC WORKS / CITY ENGINEERING PO BOX 1575, MAIL CODE 410 30 S. NEVADA AVE., SUITE 401 COLORADO SPRINGS, CO 80903</p>	
<p>CAPITAL IMPROVEMENT PROGRAM EDISON ELEMENTARY - SRTS</p> <p>LEGEND AND ABBREVIATIONS</p>	
SCALE	HORZ: 1"=20 VERT: -
FILENAME	00G001.dwg
SHEET	G001
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	
<p>2 OF 12 SHEETS</p>	

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF COLORADO SPRINGS, ENGINEERING DIVISION, GENERAL PROVISIONS, SPECIAL PROVISIONS, STANDARD SPECIFICATIONS, REVISIONS TO STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, CDOT STANDARD SPECIFICATIONS, LATEST REVISION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
- NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE PROJECT ENGINEER.
- SUBMITTALS SHALL BE MADE FOR ALL MATERIALS TO BE INCORPORATED INTO THIS PROJECT.
- UTILITY LINES ARE SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES IN PLACE.
- THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION OR GRADING. FOR A LIST OF SPECIFIC CONTACTS SEE SPECIFICATIONS.
- THE CONTRACTOR SHALL PROJECT AND MAINTAIN ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE CITY OF COLORADO SPRINGS. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATIONS AS NECESSARY. THE CITY ENGINEERING INSPECTIONS AND UTILITY DEPARTMENTS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WHERE THESE DEPARTMENTS MAY BE AFFECTED.
- THE CONTRACTOR SHALL NOTIFY THE GAS DIVISION INSPECTOR (636-5736) AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION NEAR ANY GAS FACILITIES. THE GAS DIVISION WILL RELOCATE THE GAS SERVICES REQUIRED ON AN AS NEEDED BASIS.
- EXCAVATION AT GAS LINES: TEMPORARY COVER DURING CONSTRUCTION SHALL BE AT LEAST 18 INCHES OVER THE GAS CONDUIT. FINISH GRADE MUST BE AT LEAST 2 FEET AND NO MORE THAN 6 FEET OVER THE GAS CONDUIT.
- IN SOME OF THE PROPOSED AREAS OF CONSTRUCTION EXISTING UNDERGROUND TELEPHONE AND CABLE TELEVISION FACILITIES MAY BE LOCATED IN CLOSE PROXIMITY TO THE WORK. THE CONTRACTOR MAY, IF NECESSARY TEMPORARILY DISPLACE THE CABLES DURING CONSTRUCTION AND REINSTALL THEM IN ACCORDANCE WITH THE APPROPRIATE TELEPHONE OR CABLEVISION COMPANY'S GUIDELINES. COORDINATION WITH BOTH THE TELEPHONE AND THE CABLE TELEVISION COMPANY IS REQUIRED TO BE DONE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL OBTAIN AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- THE PHYSICAL FEATURES WITHIN THE LIMITS OF THE PROJECT HAVE BEEN SHOWN BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN. THE ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FEATURES SHOWN. THE CONTRACTOR SHALL REVIEW AND VERIFY EXISTING PHYSICAL FEATURES AND ELEVATIONS AND INFORM THE THEMSELVES OF THE CONDITIONS TO BE ENCOUNTERED DURING THE CONSTRUCTION.
- THE CONTRACTOR SHALL LIMIT ALL WORK AND STORAGE AREAS TO THE PUBLIC RIGHT-OF-WAYS AND EASEMENTS. USE OF ANY PRIVATE AREAS FOR THIS PROJECT BY THE CONTRACTOR MUST BE APPROVED IN WRITING BY THE PROPERTY OWNER WITH A COPY OF THIS APPROVAL PROVIDED TO THE ENGINEER PRIOR TO USAGE.
- ALL CONSTRUCTION IS TO INCLUDE COMPACTION AND FINISH GRADING IN THE UNIT PRICE OF RELATED WORK ITEM.
- ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF COLORADO SPRINGS AND THE ENGINEER.
- THE ENGINEER SHALL BE NOTIFIED WITHIN 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- PAYMENT, DIMENSIONS AND RADII ARE SHOWN TO THE FLOWLINE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS AND CROSS SECTIONS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT HIS/HER OWN EXPENSE. CONSTRUCTION PARKING OF VEHICLES OR EQUIPMENT. DISPOSAL OF LITTER AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS.
- THE CONTRACTOR SHALL NOT REMOVE AND SHALL PROTECT FROM DAMAGE ALL TREES, BUSHES, AND EXISTING IMPROVEMENTS INSIDE AND OUTSIDE OF THE LIMITS OF WORK. SPECIFIC PROVISIONS ARE SHOWN ON THE PLANS.
- NO TREES SHALL BE REMOVED OR TRIMMED WITHOUT PRIOR ACKNOWLEDGMENT OF THE PROPERTY OWNER AND/OR PROJECT ENGINEER.
- THE CONTRACTOR SHALL PROTECT THE EXISTING DRAINAGE STRUCTURES AND REROUTE ANY RUNOFF AS NECESSARY DURING CONSTRUCTION ACTIVITIES TO PREVENT EROSION AND DAMAGE.
- THE CONTRACTOR SHALL PROVIDE SAFE PEDESTRIAN ACCESS AT ALL TIMES DURING THE PROJECT.
- THE CONTRACTOR SHALL CLOSELY MONITOR ACCESS FOR HEAVY CONSTRUCTION EQUIPMENT THROUGH THE PROJECT AND RESIDENTIAL AREAS.
- SHOULD THE CONSTRUCTION ACTIVITY CONTINUE PAST 7:00 P.M., THE CONTRACTOR SHALL ENSURE THAT THE NOISE LEVEL DOES NOT EXCEED THE LIMITS SPECIFIED IN THE CITY ORDINANCE.
- WHERE PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE BY FULL DEPTH SAWING. SAWING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO "REMOVAL OF ASPHALT PAVEMENT". THE CONTRACTOR WILL BE REQUIRED TO PAINT THE EDGE OF CUT PAVEMENT WITH DILUTED EMULSIFIED ASPHALT (SLOW SETTING) PRIOR TO PAVING OPERATIONS. VERTICAL EDGES SHALL NOT REMAIN OVERNIGHT. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF ONE PART EMULSIFIED ASPHALT AND ONE PART WATER.
- WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATION SHALL BE AS ORDERED. THE COST OF WATER SHALL BE INCIDENTAL TO OTHER BID ITEMS.
- THE PHYSICAL FEATURES REQUIRING REMOVAL OR OBLITERATION WITHIN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACT AND ASPHALT BE DISPOSED OF OFF-SITE. THE EXCEPTION IS TRAFFIC CONTROL DEVICES, WHICH SHALL BE SALVAGED FOR CITY MAINTENANCE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ANY MONUMENT, RANGE POINTS, TIES, BENCHMARKS AND/OR SURVEY CONTROL POINTS WHICH MAYBE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENT BY A REGISTERED PROFESSIONAL LAND SURVEYOR AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF COLORADO.
- THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARDS ON SITE FOR THE DURATION OF THE PROJECT.
- THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN 10 FT. OF THE EDGE OF THE TRAVELED WAY.
- THE FOLLOWING SHALL BE FURNISHED WITH EACH BITUMINOUS PAVER. THIS DEVICE SHALL BE USED ON ALL PASSES AND LIFTS OF BITUMINOUS PAVEMENT PLACE
 - A SKI TYPE DEVICE AT LEAST 30 FEET IN LENGTH.
 - SHORT SKI OR SHOE.
 - CONTROL LINE AND STAKES, SUFFICIENT FOR EACH PHASE OF THE PROJECT.
- ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACE.
- BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE PRESENT ROADWAY AS DIRECTED. CLEANING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
- A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED BETWEEN PAVEMENT COARSES TO IMPROVEMENT BOND. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.
- STORM INLET STATIONING AND ELEVATION REFERENCE TOP FRONT MIDDLE OF BOX. STORM MANHOLE STATIONING REFERENCE CENTER OF MANHOLE.
- THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING FORTY-EIGHT (48) HOURS IN ADVANCE FOR ANY REQUIRED MODIFICATION OF TRAFFIC SIGNALS WITHIN CONSTRUCTION AREA AS NECESSARY TO MAINTAIN SAFE OPERATIONS.
- EXISTING AND PROPOSED JUNCTION BOX LIDS, WATER VALVES, SANITARY SEWER, OR STORM SEWER MANHOLE LIDS SHALL BE RAISED TO MATCH PROPOSED NEW GRADE. ALL ADJUSTMENTS OR MATERIALS REQUIRED FOR THE ADJUSTMENT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

- ALL WORK DONE ON OR AROUND WATER RESOURCES DEPARTMENT FACILITIES MUST BE INSPECTED BY A WATER RESOURCES DEPARTMENT INSPECTOR. THE CONTRACTOR IS REQUIRED TO NOTIFY THE WATER RESOURCES DEPARTMENT PIPELINE INSPECTION SECTION (638-5654) TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. IF THIS PROJECT INVOLVES A TAP, DO NOT CALL TO SCHEDULE TAP UNTIL THE PIPELINE INSPECTION NOTIFICATION. INSPECTION REQUIRED AFTER WORKING HOUR MUST BE COORDINATED WITH THE PIPELINE INSPECTOR IN ADVANCE AND WILL BE SUBJECT TO OVER TIME CHARGES PER W.R.D. SPECIFICATIONS.
- THE CONTRACTOR SHALL AT THEIR EXPENSE, SUPPORT AND PROTECT ALL WATER MAINS SO THAT THEY WILL FUNCTION CONTINUOUSLY DURING CONSTRUCTION EXCEPT THOSE DESIGNATED TO BE TEMPORARILY SHUT DOWN. TEMPORARY WATER SERVICE DISRUPTION SHALL BE DONE TO MINIMIZE THE EFFECTS ON COLORADO SPRING UTILITIES CUSTOMERS. SHOULD A WATER MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATIONS, IT WILL BE REPAIRED IMMEDIATE EITHER THE CONTRACTOR OR THE WATER RESOURCES DEPARTMENT AT THE FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR.
- ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND WORK SHALL STOP UNTIL THE DISCREPANCY IS DISCUSSED AND DECISIONS/AGREEMENTS HAVE BEEN MADE.
- REFER TO PROJECT MANUAL FOR PAY ITEM DESCRIPTIONS AND MEASUREMENT. ALL WORK WITHOUT A SPECIFIC BID ITEM IS INCIDENTAL TO OTHER PAY ITEMS.
- APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL ALL PERMITS HAS BEEN ISSUED.
- THE APPROVAL OF THESE PLAN OR ISSUANCE OF A PERMIT BY THE CITY OF COLORADO SPRINGS DOES NOT AUTHORIZE THE OWNER OR CONTRACTOR TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES.

NPDES DRAINAGE WATER QUALITY NOTES:

- THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENTS, MUD, AND CONSTRUCTION DEBRIS THAT MAY ACCUMULATE IN THE FLOWLINES AND PUBLIC RIGHTS OF WAY AS A RESULT OF THIS CONSTRUCTION PROJECT. SAID REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER.
- THE CLEANING OF CONCRETE TRUCK DELIVERY CHUTES IS PROHIBITED AT THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER IS PROHIBITED.
- THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATION, INVOLVING WHEEL CUTTING, SAW CUTTING OR ABRASIVE WATER JET CUTTING ARE TO TAKE PLACE. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM CUTTING OPERATIONS TO THE STORM SEWER SYSTEM IS PROHIBITED.
- THE CONTRACTOR MUST KEEP ALL POLLUTANTS, INCLUDING TRENCH BACKFILL MATERIAL, FROM WASHING INTO THE STORM SEWER SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A STORM WATER MANAGEMENT PLAN PERMIT FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, IF THE PROJECT MEETS MINIMUM REQUIREMENTS FOR A PERMIT.
- THE CONTRACTOR SHALL LEVEL ALL DISTURBED AREAS WITH TOPSOIL AND HAND-RAKE TO A UNIFORM APPEARANCE. THE AREA SHALL BE SEEDED WITH PROTECTIVE STRAW MAT COVER DURING WINTER MONTHS OR SODDED ALL OTHER TIMES. THIS WORK IS TO BE CONSIDERED AN INCIDENTAL ITEM.

GENERAL CONSTRUCTION NOTES:

- PAY ITEMS LISTED IN THE BID SCHEDULE ARE THE ONLY PAY ITEMS FOR THE PROJECT. ANY OTHER ITEMS NECESSARY FOR A COMPLETE PROJECT, BUT NOT SHOWN IN THE BID SCHEDULE SHALL BE CONSIDERED AN INCIDENTAL ITEM AND IT'S COST TO BE INCLUDED IN OTHER ITEMS. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO BIDDING PROJECT. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE, EXCEPT AS NOTED.
- ANY CONTRACTOR-CAUSED DAMAGE TO UTILITY AND/OR SERVICE LINES, SHOWN OR NOT SHOWN ON THE PLANS, SHALL BE REPAIRED OR REPLACED AT NO COST TO THE CITY OF COLORADO SPRINGS AND SHALL BE ACCOMPLISHED BY THE CONTRACTOR, SUBCONTRACTOR OR AS APPROVED BY THE CITY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK IN THE PROJECT AREA. LIKEWISE, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK AND THAT OF THE INVOLVED UTILITIES IN THE PROJECT AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL LABOR, MATERIAL, EQUIPMENT AND INCIDENTAL ITEMS NEEDED TO PROVIDE ADEQUATE CONSTRUCTION SIGNING, BARRICADES, TRAFFIC CONTROL DEVICES AND OTHER RELATED ITEMS FOR THE PROJECT AREA, DURING THE CONSTRUCTION PERIOD. THIS WORK SHALL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEM.
- THE CONTRACTOR SHALL CAREFULLY REMOVE, STORE AND REINSTALL ALL CITY-OWNED SIGNS WHOSE REMOVAL IS REQUIRED BY THIS CONSTRUCTION WORK IN THE PROJECT AREA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR THE CITY TO INSPECT ALL SIGNS SCHEDULED FOR REMOVAL PRIOR TO THEIR REMOVAL. ONCE SAID SIGNS HAVE BEEN REMOVED, IT WILL BE ASSUMED THAT THEY WERE IN GOOD CONDITION AT THE TIME OF REMOVAL. ANY SIGNS DAMAGED OR LOSS BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE CITY. MATERIALS SHALL BE APPROVED BY THE PROJECT ENGINEER. ALL POST-MOUNTED SIGNS SHALL BE RESET AT THE PROPER HEIGHT AND LOCATION (CITY TO PROVIDE LOCATION OR AS SHOWN ON THE ENCLOSED PLAN).
- ALL SIDEWALK AND PAVED DRIVEWAY REMOVALS SHALL BE BOUNDED BY JOINTS OR SAWCUTS. SAWCUTS IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL DRIVEWAY CLOSINGS WITH THE RESPECTIVE PROPERTY OWNERS AND TENANTS, IF PROPERTY IS RENTED. EXISTING CONCRETE DRIVES SHALL BE REPLACED PER CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS.
- PROPERTY OWNERS WILL BE NOTIFIED BY THE CITY. PRIOR TO CONSTRUCTION, THAT IT WILL BE THE OWNER'S RESPONSIBILITY TO REMOVE TREES, SHRUBS OR OTHER PROPERTY WHICH THEY INTEND TO KEEP. IF THE ITEMS ARE NOT REMOVED AT THE TIME OF CONSTRUCTION AND ARE WITHIN THE PROPOSED SIDEWALK CONSTRUCTION AREA, THE MISC. ITEMS AND/OR VEGETATION REMOVED SHALL BE PLACED ON THE PROPERTY OWNER'S LAND OR DISPOSED OF OFFSITE AS DIRECTED BY THE PROJECT ENGINEER. FENCES SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR UNIT PRICE FOR FENCES AS DIRECTED BY THE PROJECT ENGINEER. TREES MARKED TO BE TRIMMED IN THE PLANS SHALL BE DONE AT THE DIRECTION OF THE PROJECT ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CLEARING AND GRUBBING PAY ITEM.
- THE CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DAMAGE TREES AND SHRUBS UNLESS SO DIRECTED BY THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO THE START OF WORK. THIS WORK IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
- ANY SURPLUS EXCAVATION TO INCLUDE BUT NOT LIMITED TO THE REMOVAL OF LANDSCAPING FOR SIDEWALK INSTALLATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND DISPOSAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEYING AND CONSTRUCTION STAKING FOR THE PROJECT. ALL GRADING AND SURFACING SHALL BE IN ACCORDANCE WITH THE PLAN SHEETS AND THE CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL REMOVE AND STOCKPILE ALL SALVAGED TOPSOIL TO BE USED LATER AS BACKFILL BEHIND CURBS AND DRIVES OR IN THE RESTORATION OF DISTURBED AREAS. THIS WORK IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
- CAUTION: FOR UNDERGROUND UTILITY LOCATIONS, CONTACT 1-800-922-1987 PRIOR TO EXCAVATION. ALL COSTS ASSOCIATED WITH THE LOCATION AND VERIFICATION OF EXISTING UTILITIES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

EARTHWORK:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ANY EXCESS SOIL, DEBRIS AND WASTE MATERIAL OFF OF THE PROJECT SITE.
- ANY SOIL LYING BELOW THE SUBGRADE ELEVATION WHICH IS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.
- ANY MATERIAL NOT SUITABLE FOR BACKFILL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF, BY AND AT THE EXPENSE OF THE CONTRACTOR.

BENCHMARK AND SURVEY CONTROL:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING OF BOTH HORIZONTAL AND VERTICAL LAYOUT ON THIS PROJECT. COORDINATES ARE REFERENCED IN THE COORDINATE LIST SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER FOR INTERPRETATION AND INFORMATION IN STAKING OF THE PROJECT FOR CONSTRUCTION.
- A TEMPORARY BENCHMARK HAS BEEN ESTABLISHED FOR THIS PROJECT UNLESS OTHERWISE NOTED.
- PRIOR TO PROJECT COMPLETION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY MONUMENTATION DISTURBED OR REMOVED BY CONSTRUCTION OPERATIONS. THIS WORK SHALL BE PERFORMED BY A LAND SURVEYOR LICENSED IN THE STATE OF COLORADO. PROPERTY CORNERS WHICH FALL WITHIN NEW CONCRETE FLATWORK SHALL BE DURABLE AND SET FLUSH. THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

TRAFFIC GENERAL NOTES:

- BEFORE EXCAVATING, CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING.
- APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
- THE APPROVAL OF THESE PLANS OR ISSUANCE OF A PERMIT BY THE CITY OF COLORADO SPRINGS DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW, TEMPORARY AND EXISTING TRAFFIC SIGNS FROM THE START OF THE CONSTRUCTION PROJECT UNTIL ACCEPTANCE BY CITY TRAFFIC ENGINEERING.
- ALL TRAFFIC SIGNS, PAVEMENT MARKINGS, AND TRAFFIC SIGNALS SHALL MEET OR EXCEED M.U.T.C.D. STANDARDS.
- THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING SIGNS, PAVEMENT MARKINGS OR TRAFFIC SIGNALS DURING THE PROJECT WITHOUT SIGNED AUTHORIZATION OF THE CITY ENGINEERING INSPECTOR ASSIGNED TO THE PROJECT.
- CONTRACTOR SHALL PREPARE A DETAILED TRAFFIC CONTROL PLAN, SUBMIT TO CITY TRAFFIC ENGINEERING FOR APPROVAL, AND OBTAIN APPROPRIATE PERMITS IN ACCORDANCE WITH THE 'TRAFFIC CONTROLS FOR STREET CONSTRUCTION, UTILITY WORK AND MAINTENANCE OPERATIONS', MUTCD SUPPLEMENT FOR THE CITY OF COLORADO SPRINGS, AUGUST 1992.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING THE TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW, TEMPORARY AND EXISTING TRAFFIC SIGNAL MODIFICATIONS.

REV. 8/12/2013

STRIPING AND SIGNAGE GENERAL NOTES

- INSTALLATION OF ALL STRIPING, SIGNS AND PAVEMENT MARKERS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVAL OF EXISTING PAVEMENT MARKINGS (SCARRING OF PAVEMENT IS NOT PERMITTED). AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OVERLAYING OR CHIP SEALING ROADWAY, IF SCARRING OCCURS DURING REMOVAL OF EXISTING OR TEMPORARY PAVEMENT MARKINGS. THE CITY TRAFFIC ENGINEER WILL DETERMINE METHOD OF PAVEMENT REPAIR.
- ALL STRIPING AND SIGNING SHALL CONFORM TO THE MOST RECENT ADOPTED EDITION OF THE FOLLOWING MANUALS AND THEIR SUPPLEMENTAL AMENDMENTS:
 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
 - CITY OF COLORADO SPRINGS SIGNS AND MARKING GUIDELINES
 - CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS
 - CITY OF COLORADO SPRINGS PUBLIC WORKS DESIGN MANUAL
- ALL SIGNING AND STRIPING IS SUBJECT TO THE APPROVAL OF THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLATION AND/OR REMOVAL.
- CONTRACTOR SHALL REMOVE ALL CONFLICTING STRIPING, PAVEMENT MARKINGS AND LEGENDS BY HYDROBLASTING, SANDBLASTING AND/OR GRINDING. ANY DEBRIS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- SIGN POSTS SHALL BE INSTALLED WITH A MINIMUM OF 1 3/4' X 10' SQUARE PERFORATED STEEL TUBING WITH SLEEVE PER CITY OF COLORADO SPRINGS STANDARD.
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM OF HIGH INTENSITY GRADE SHEETING.
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLANS SHALL BE APPROVED BY THE ENGINEER OF WORK AND THE CITY TRAFFIC ENGINEER PRIOR TO ANY CHANGES BEING MADE IN THE FIELD.
- ALL SIGNS SHOWN ON THE STRIPING AND SIGNING PLANS SHALL BE NEW SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR, EXCEPT FOR EXISTING SIGNS SPECIFICALLY INDICATED TO BE RELOCATED OR TO REMAIN.
- STRIPED CROSSWALKS SHALL HAVE AN INSIDE DIMENSION OF 10 FEET AND CONTINENTAL CROSSWALKS SHALL HAVE A MINIMUM WIDTH OF 9 FEET UNLESS INDICATED OTHERWISE.
- ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS (EXCEPT WITHIN BIKE LANES) SHALL BE A MINIMUM OF 90MIL THICKNESS THERMOPLASTIC OR PREFORM PLASTIC TAPE.
- ALL LONGITUDINAL LINES SHALL BE A MINIMUM OF 15MIL THICKNESS EPOXY.
- CONTRACTOR TO DELIVER ALL REMOVED SIGNS TO THE CITY OF COLORADO SPRINGS SIGNS/MARKINGS SHOP AT 404 FONTANERO STREET, (719) 578-6721.
- CONTRACTOR SHALL NOTIFY CITY TRAFFIC ENGINEER (719) 385-5908 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO AND UPON COMPLETION OF STRIPING AND SIGNAGE.

P:\Edison SRTS\03-Design\B-Street_Files\02 EDISON NOTES.dwg

FOR BURIED UTILITY INFORMATION
 48 HRS BEFORE YOU DIG
 CALL 1-800-922-1987

 FOR LOCATING & MARKING GAS,
 ELECTRIC, WATER & TELEPHONE LINES
 WATER EMERGENCIES 820-0300


 CITY OF COLORADO SPRINGS
 PUBLIC WORKS / CITY ENGINEERING
 PO BOX 1575, MAIL CODE 410
 30 S. NEVADA AVE, SUITE 401
 COLORADO SPRINGS, CO. 80903

REVISIONS	1	2	3	4	5
H-SCALE					
V-SCALE					
DRAWN BY:	JTH				
DESIGNED BY:	JTH				
CHECKED BY:	MAC				

GENERAL NOTES
 EDISON ELEMENTARY - SRTS
 PROJECT: SAR M240-139
 PROJECT CODE: 18673

User: MCHAVES Nov 04, 2015 - 9:38am
 Drawing: \\DPOC-A05SF52P\PROJECTS\2014 PROJECTS\2014-020 EDISON SRTS\03-DESIGN\B-SHEET_FILES\G003.DWG - Layout: QUA (2)
 Xref: - Image:

EDISON ELEMENTARY SRTS 2014 - SCHEDULE 1			
BID ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNITS
630-00000	MOBILIZATION	1	LS
201-00000	CLEARING AND GRUBBING/SITE RESTORATION/TREE TRIMMING	1	LS
625-00000	CONSTRUCTION SURVEYING	1	LS
208-00220	EROSION CONTROL	1	LS
630-10005	WORK ZONE TRAFFIC CONTROL	1	LS
212-01200	PROPERTY RESTORATION	1	LS
203-00000	UNCLASSIFIED EXCAVATION	75	CY
202-00203	REMOVAL OF (EXISTING) CONCRETE CURB AND GUTTER	200	LF
202-00200	REMOVAL OF (EXISTING) CONCRETE RAMP, CROSSSPAN, STAMPED CONCRETE, SIDEWALK AND DRIVE APRON	2500	SF
201-00220	REMOVAL OF (EXISTING) ASPHALT	3575	SF
202-00037	REMOVAL OF (EXISTING) FLARED END SECTION	1	EA
202-00010	REMOVAL OF (EXISTING) TREE	3	EA
210-00300	REMOVAL AND RESET (EXISTING) GROUTED FLAGSTONE	310	SF
210-00810	RESET (EXISTING) GROUND SIGN/BOLLARD	6	EA
210-00050	RESET (EXISTING) HYDRANT AND LATERAL	1	EA
210-01000	RESET (EXISTING) ROCK WALL AND CHAIN LINK FENCE	15	LF
603-01245	RESET (EXISTING) 24-INCH REINFORCED CONCRETE PIPE AND CONCRETE COLLAR	40	LF
403-33842	ASPHALT PATCHING (GRADE S) (6-INCH)	500	SY
412-00800	CONCRETE FLATWORK (8" THICK)	1400	SF
412-00400	CONCRETE SIDEWALK (4" DEPTH)	4500	SF
608-00010	CONCRETE PEDESTRIAN RAMP	1515	SF
609-21010	CITY OF COLORADO SPRINGS CONCRETE CURB AND GUTTER (TYPE 1)	3240	LF
609-20010	6" CONCRETE CURB HEAD	135	LF
604-19315	CITY OF COLORADO SPRINGS STORM INLET TYPE D-10R (L=14)	1	EA

EDISON ELEMENTARY SRTS 2014 - SCHEDULE 1	
ABBREVIATION	DESCRIPTION
LS	LUMP SUMP
CY	CUBIC YARD
SF	SQUARE FOOT
EA	EACH
LF	LINEAR FOOT

PROJECT MANAGER		M. CHAVES	PROJECT NUMBER 2014-0##
DESIGNED BY		M. CHAVES	
DRAWN BY		J. HUDSON	
CHECKED BY		M. CHAVES	
NO. REVISION			
BY			
DATE			



CITY OF COLORADO SPRINGS
 PUBLIC WORKS / CITY ENGINEERING
 PO BOX 1575, MAIL CODE 410
 30 S. NEVADA AVE., SUITE 401
 COLORADO SPRINGS, CO 80903

CAPITAL IMPROVEMENT PROGRAM
EDISON ELEMENTARY - SRTS

SUMMARY OF APPROX. QUANTITIES

SCALE
 HORZ: 1"=20'
 VERT: -

FILENAME
 G003.dwg

SHEET
G003

4 OF 12 SHEETS

SITE DESCRIPTION:

FOR INFORMATION ONLY TO FULFILL THE CDPS-SCP (COLORADO DISCHARGE PERMIT SYSTEM - STORMWATER CONSTRUCTION PERMIT) UPDATE TO REFLECT CURRENT PROJECT SITE CONDITIONS.

- A. **PROJECT SITE DESCRIPTION:** INSTALLATION OF MISSING CURB & GUTTER, CROSS PANS, CURB RETURNS, DRIVE APRONS AND SIDEWALK ALONG THE NORTH AND SOUTH SIDES OF A 3 BLOCK DISTANCE OF 3RD STREET FROM VIRGINIA AVE TO N. HANCOCK AVE; ALSO TO INCLUDE THE INSTALLATION OF A CATCH BASIN IN PLACE OF AN EXISTING OPEN RCP STORMWATER INTAKE. ROADWAY TRAVEL LANES TO REMAIN UNDISTURBED, EXCEPT FOR AREAS OF ROADWAY WIDENING TO THE EXTENTS OF PROPOSED CURB AND GUTTER. POLES AND HYDRANTS TO BE RELOCATED BEHIND ADJACENT SIDEWALK.
- B. **PROPOSED SEQUENCING FOR MAJOR ACTIVITIES:** THE CONTRACTOR SHALL COMMENCE WORK ON THE AREAS OF MISSING CURB & GUTTER, CROSS PANS, CURB RETURNS, AND SIDEWALK ALONG THE NORTH AND SOUTH SIDES OF 3RD STREET. CATCH BASIN, AND CONNECTING PIPE, TO BE INSTALLED IMMEDIATELY PRECEDING THE INSTALLATION OF CURB & GUTTER AND SIDEWALK AT THAT LOCATION.
- C. **ACRES OF DISTURBANCE:** THE AREA TO BE DISTURBED SHALL BE LIMITED TO THE PROPOSED SIDEWALK CONSTRUCTION, CROSS PANS, AND CURB RETURNS. ANY EXISTING ASPHALT/CONCRETE SLATED FOR DEMOLITION SHALL BE DISPOSED OF OFFSITE BY THE CONTRACTOR.
 - 1. TOTAL AREA OF CONSTRUCTION SITE: 0.40 ACRES
 - 2. TOTAL AREA OF DISTURBANCE: 0.40 ACRES
 - 3. ACREAGE OF SEEDING: 0.00 ACRES
- D. **EXISTING SOIL DATA:** N/A
- E. **EXISTING VEGETATION, INCLUDING PERCENT COVER:** 3 MATURE ELM TREES WITHIN RIGHT-OF-WAY MUST BE REMOVED. EXISTING CONDITIONS TO REMAIN WITH THE EXCEPTION OF AREAS DISTURBED FOR SIDEWALK INSTALLATION
- F. **POTENTIAL POLLUTANTS SOURCES:** THE ECS SHALL PREPARE A LIST OF ALL POTENTIAL POLLUTANTS AND THEIR LOCATIONS IN ACCORDANCE WITH SUBSECTION 107.25.
- G. **RECEIVING WATER:**
 - 1. **OUTFALL LOCATIONS:** THE PLAN SHEETS INCLUDE EXISTING OUTFALL LOCATIONS. THE ULTIMATE OUTFALL IS FOUNTAIN CREEK VIA EXISTING TRIBUTARY CULVERTS, SWALES AND SHEET FLOWS FROM THE SITE.
 - 2. **NAMES OF RECEIVING WATER(S) ON SITE AND THE ULTIMATE RECEIVING WATER:** FOUNTAIN CREEK.
 - 3. **DISTANCE ULTIMATE RECEIVING WATER IS FROM PROJECT:** APPROX 2 MILES.
 - 4. **DOES THE RECEIVING WATER HAVE AN APPROVED TMDL:** NO. IMPAIRED FOR E. COLI & SELENIUM, BUT NO TMDL HAS BEEN DEVELOPED.
- H. **ALLOWABLE NON-STORMWATER DISCHARGES:** NO DEWATER IS ANTICIPATED AT THE SITE. THERE ARE NO OTHER ANTICIPATED ALLOWABLE SOURCES OF NON-STORMWATER COMPONENTS OF THE DISCHARGE, SUCH AS UNCONTAMINATED SPRINGS, LANDSCAPE IRRIGATION RETURN FLOW, DUST SUPPRESSION AND FIREFIGHTING. IF GROUNDWATER IS ENCOUNTERED AND REQUIRED FOR THE DEMOLITION OF THE STRUCTURES, THE CONTRACTOR SHALL TAKE THE FOLLOWING MEASURES.
 - 1. **GROUNDWATER AND STORMWATER DEWATERING:** DISCHARGES TO THE GROUND OF WATER FROM CONSTRUCTION DEWATERING ACTIVITIES MAY BE AUTHORIZED PROVIDED THAT:
 - a. THE SOURCE IS GROUNDWATER AND/OR GROUNDWATER COMBINED WITH STORMWATER THAT DOES NOT CONTAIN POLLUTANTS.
 - b. THE SOURCE AND BMPs ARE IDENTIFIED IN THE SWMP.
 - c. DISCHARGES DO NOT LEAVE THE SITE AS SURFACE RUNOFF OR TO SURFACE WATERS.
 - 2. IF DISCHARGES DO NOT MEET THE ABOVE CRITERIA A SEPARATE PERMIT FROM THE DEPARTMENT OF HEALTH WILL BE REQUIRED. CONTAMINATED GROUNDWATER REQUIRING COVERAGE UNDER A SEPARATE PERMIT MAY INCLUDE GROUNDWATER CONTAMINATED WITH POLLUTANTS FROM A LANDFILL, MINING ACTIVITIES, INDUSTRIAL POLLUTANT PLUMES, UNDERGROUND STORAGE TANK, ETC.
- I. **ENVIRONMENTAL IMPACTS:**
 - 1. **WETLAND IMPACTS:** NO
 - 2. **STREAM IMPACTS:** NO
 - 3. **THREATENED AND ENDANGERED SPECIES:** NO

SITE MAP COMPONENTS:

- PRE-CONSTRUCTION
 - A. **PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES:** SEE TITLE SHEET. ALL WORK WILL BE CONTAINED WITHIN THE PUBLIC RIGHT-OF-WAY OR WITHIN PUBLIC IMPROVEMENT EASEMENTS. ALL RIGHT-OF-WAY OR EASEMENT LINES SHALL BE CONSIDERED AS CONSTRUCTION BOUNDARIES.
- B. **ALL AREAS OF GROUND SURFACE DISTURBANCE:** SEE ENCLOSED PROJECT SHEETS.
- C. **AREAS OF CUT AND FILL:** AREAS OF CUT AND FILL ARE EXCLUSIVELY LIMITED TO THE SUBGRADE PREPARATION FOR SIDEWALK, CURB & GUTTER, CROSSSPAN, DRIVE APRON AND THE CROSS SECTION OF WIDENED ROADWAY NECESSARY TO MATCH EXISTING ASPHALT AT THE SAW CUTS.
- D. **LOCATION OF ALL STRUCTURAL BMPs IDENTIFIED IN THE SWMP:** N/A
- E. **LOCATION OF NON-STRUCTURAL BMPs AS APPLICABLE IN THE SWMP:** N/A
- F. **SPRINGS, STREAMS, WETLANDS AND OTHER SURFACE WATER:** NO STREAMS, WETLANDS OR OTHER SURFACE WATER HAVE BEEN OBSERVED AT THE SITE.
- G. **PROTECTION OF TREES, SHRUBS, CULTURAL RESOURCES AND MATURE VEGETATION:** 3 VOLUNTEER MATURE ELMS MUST BE REMOVED WITHIN THE RIGHT-OF-WAY.
- B. H. **AREAS USED FOR STORING AND STOCKPILING OF MATERIALS, STAGING AREAS (FIELD TRAILER, FUELING, ETC) AND BATCH PLANTS:** N/A

SWMP ADMINISTRATOR FOR DESIGN:

MIKE CHAVES, P.E., SENIOR CIVIL ENGINEER, CITY ENGINEERING/CITY OF COLORADO SPRINGS
 30 S. NEVADA AVE. SUITE 401
 PHONE: (719)385-5918
 EMAIL: MCHAVES@SPRINGSGOV.COM

STORM WATER MANAGEMENT CONTROLS

FIRST CONSTRUCTION ACTIVITIES:

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

- A. **DESIGNATE A SWMP ADMINISTRATOR/EROSION CONTROL SUPERVISOR:**

NAME/TITLE: _____

CONTACT INFORMATION: _____

- B. **POTENTIAL POLLUTANT SOURCES**
 EVALUATE, IDENTIFY AND DESCRIBE ALL POTENTIAL SOURCES OF POLLUTANTS AT THE SITE IN ACCORDANCE WITH SUBSECTION 107.25 AND PLACE IN THE SWMP NOTEBOOK. ALL BMPs RELATED TO POTENTIAL POLLUTANTS SHALL BE SHOWN ON THE SWMP SITE MAP BY THE CONTRACTOR'S ECS.

C. BEST MANAGEMENT PRACTICES (BMPs) FOR STORMWATER POLLUTION PREVENTION

STRUCTURAL AND NONSTRUCTURAL BMPs THAT MAY BE POTENTIALLY USED ON THE PROJECT FOR EROSION AND SEDIMENT CONTROL:

STRUCTURAL BMPs AND APPLICATION	NARRATIVE	BMP AS DESIGNED	IN USE ON SITE	FIRST CONSTRUCTION ACTIVITIES	DURING CONSTRUCTION	INTERIM/FINAL STABILIZATION
STORM DRAIN INLET PROTECTION/SEDIMENT CONTROL	PLACED TO PROTECT STORM DRAIN INLETS TO FILTER OR PREVENT SEDIMENT FROM ENTERING DRAINAGE SYSTEM.	X		X	X	X
EROSION LOGS	PLACED IN EXISTING DRAINAGE SWALE PRIOR TO UPGRADE DISTURBANCE TO CONTROL FLOW VELOCITY AND TO FILTER SEDIMENT LADEN RUNOFF.	X		X	X	
APPROVED CONCRETE WASHOUT	INSTALLED AND MAINTAINED TO PREVENT CONCRETE AND CONCRETE-LADEN WATER FROM ENTERING THE ENVIRONMENT.	X		X	X	

NON STRUCTURAL BMPs AND APPLICATION	NARRATIVE	BMP AS DESIGNED	IN USE ON SITE	FIRST CONSTRUCTION ACTIVITIES	DURING CONSTRUCTION	INTERIM/FINAL STABILIZATION
SEEDING PERMANENT/FINAL STABILIZATION	REDUCE RUNOFF AND CONTROL EROSION ON DISTURBED AREAS.	X			X	X

D. OFFSITE DRAINAGE (RUN ON WATER)

- 1. DESCRIBE AND RECORD BMPs ON THE SWMP SITE MAP THAT HAS BEEN IMPLEMENTED TO ADDRESS OFF SITE RUN-ON WATER IN ACCORDANCE WITH SUBSECTION 208.03

E. VEHICLE TRACKING PAD

- 1. BMPs SHALL BE IMPLEMENTED IN ACCORDANCE WITH SUBSECTION 208.04.

F. PERIMETER CONTROL

- 1. PERIMETER CONTROL SHALL BE ESTABLISHED AS THE FIRST ITEM ON THE SWMP TO PREVENT THE POTENTIAL FOR POLLUTANTS LEAVING THE CONSTRUCTION SITE BOUNDARIES, ENTERING THE STORMWATER DRAINAGE SYSTEM, OR DISCHARGING TO STATE WATERS.
- 2. PERIMETER CONTROL MAY CONSIST OF VEGETATION BUFFERS, BERMS, SILT FENCE, EROSION LOGS, EXISTING LANDFORMS, OR OTHER BMPs AS APPROVED.
- 3. PERIMETER CONTROL SHALL BE IN ACCORDANCE WITH SUBSECTION 208.04.

DURING CONSTRUCTION:

RESPONSIBILITIES OF THE SWMP ADMINISTRATOR/EROSION CONTROL SUPERVISOR DURING CONSTRUCTION.

THE SWMP SHOULD BE CONSIDERED A "LIVING DOCUMENT" THAT IS CONTINUOUSLY REVIEWED AND MODIFIED. DURING CONSTRUCTION, FOLLOWING ITEMS SHALL BE ADDED, UPDATED, OR AMENDED AS NEEDED BY THE SWMP ADMINISTRATOR/EROSION CONTROL SUPERVISOR (ECS) IN ACCORDANCE WITH SECTION 208.

DURING CONSTRUCTION, INDICATE HOW ITEMS THAT HAVE NOT BEEN ADDRESSED DURING DESIGN ARE BEING HANDLED IN CONSTRUCTION. IF ITEMS ARE COVERED IN THE TEMPLATE OR OTHER SECTIONS OF THE SWMP NOTEBOOK INDICATE BELOW WHAT SECTION THE DISCUSSION TAKES PLACE.

- A. SAW CUTTING - SHALL BE DONE IN ACCORDANCE WITH SUBSECTION 107.25, 208.04 (F), 208.05
- B. STREET CLEANING - SHALL BE DONE IN ACCORDANCE WITH SUBSECTION 208.04 (F).

INSPECTIONS:

- A. INSPECTIONS SHALL BE DONE IN ACCORDANCE WITH SUBSECTION 208.03 (C).

BMP MAINTENANCE:

- A. MAINTENANCE SHALL BE IN ACCORDANCE WITH SUBSECTION 208.04 (F).

RECORD KEEPING:

- A. RECORDS SHALL BE KEPT IN ACCORDANCE WITH SUBSECTION 208.03 (C).

INTERIM AND FINAL STABILIZATION:

- A. LANDSCAPING ADJACENT TO SIDEWALK, CURB AND GUTTER, DRIVE APRONS, AND OTHER IMPROVEMENTS SHALL BE RESTORED TO EXISTING CONDITIONS.

PRIOR TO FINAL ACCEPTANCE:

- A. FINAL ACCEPTANCE SHALL BE ACCORDANCE WITH SUBSECTION 208.10.

TABULATION OF STORMWATER QUANTITIES:

PAY ITEM	DESCRIPTION	PAY UNIT	*QUANTITY
	EOSION CONTROL	LS	1

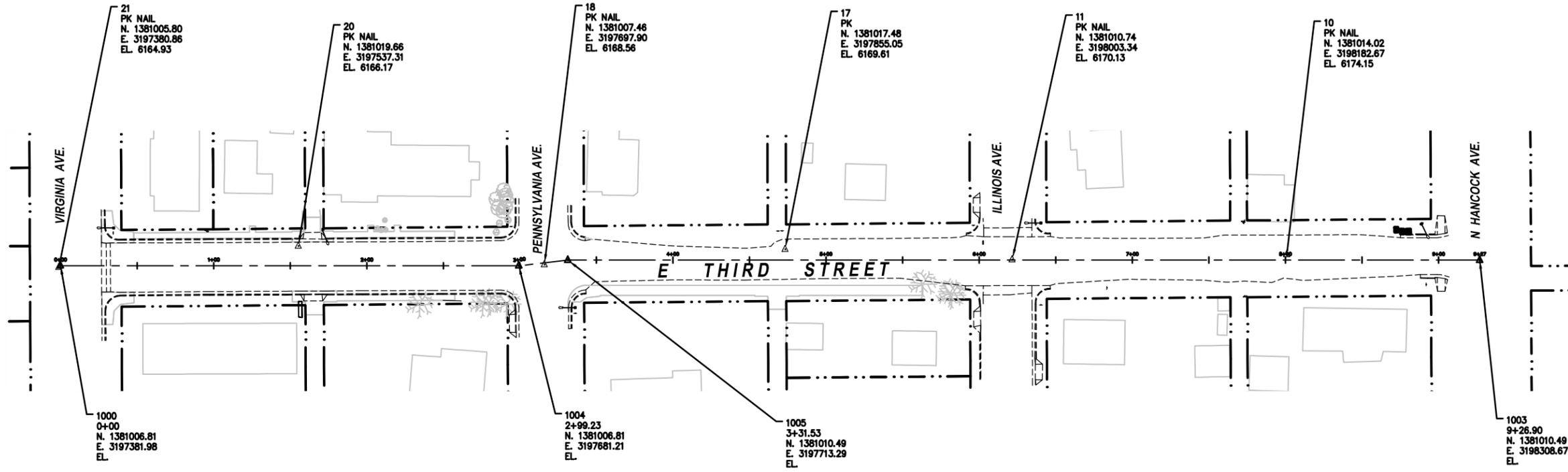
*ALL BMPs SHALL BE IN COMPLIANCE WITH SUBSECTION 208.03 AND 208.04 (E). ALL BMPs, WHETHER FORSEEN OR UNFORSEEN, SHALL BE COVERED UNDER THE EROSION CONTROL LINE ITEM AND SHALL BR PAID AS LUMP SUM.

DATE							
BY							
NO. REVISION							
PROJECT MANAGER	M. CHAVES	DESIGNED BY	M. CHAVES	DRAWN BY	J. HUDSON	CHECKED BY	M. CHAVES
						PROJECT NUMBER	2014-0##
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY							
CITY OF COLORADO SPRINGS PUBLIC WORKS / CITY ENGINEERING PO BOX 1575, MAIL CODE 410 30 S. NEVADA AVE., SUITE 401 COLORADO SPRINGS, CO 80903							
CAPITAL IMPROVEMENT PROGRAM EDISON ELEMENTARY - SRTS				STORMWATER MANAGEMENT PLAN (SWMP)			
SCALE							
HORZ: 1"=20'							
VERT: -							
FILENAME							
G004.dwg							
SHEET							
G004							
5 OF 12 SHEETS							

User: JHUDSON Dec 24, 2014, 9:05am
 Drawing: P:\EDISON SRTS\03-DESIGN\B-SHEET_FILES\G004.DWG - Layout: SWMP-2
 Xrefs:

CONTROL AND MONUMENTATION DIAGRAM EDISON ELEMENTARY SCHOOL SIDEWALK IMPROVEMENTS

LOCATED WITHIN THE N1/2 OF SECTION 32, TOWNSHIP 13 SOUTH,
RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN,
EL PASO COUNTY, COLORADO



VERIFY SCALES
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PO BOX 1575, MAIL CODE 410
30 S. NEVADA AVE., SUITE 401
COLORADO SPRINGS, CO 80903

**CAPITAL IMPROVEMENT PROGRAM
EDISON ELEMENTARY - SRTS**

SURVEY CONTROL PLAN

SCALE
HORZ: -
VERT: -

FILENAME
C000.dwg

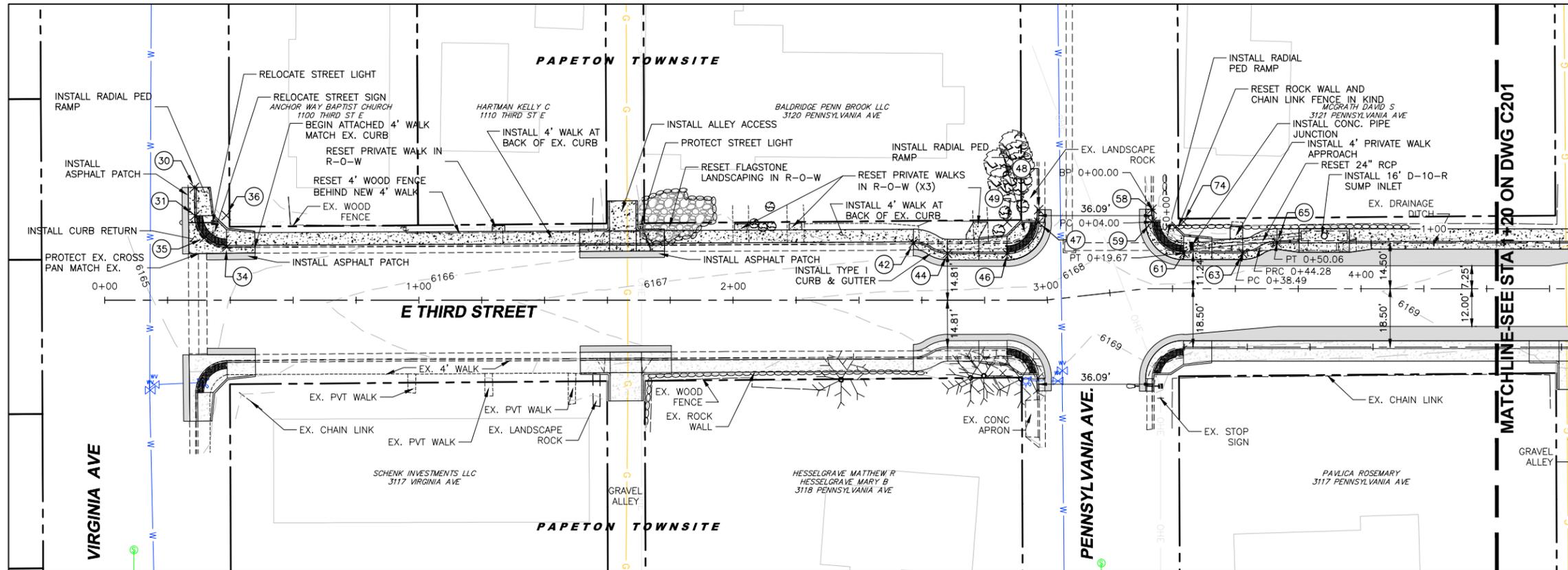
SHEET
C000

6 OF 12 SHEETS

NO.	REVISION	BY	DATE

PROJECT MANAGER	M. CHAVES
DESIGNED BY	J. HUDSON
DRAWN BY	J. HUDSON
CHECKED BY	M. CHAVES
PROJECT NUMBER	2014-0##

User: JHUDSON Dec 24, 2014, 8:43am
Drawing: P:\EDISON SRTS\03-DESIGN\B-SHEET_FILES\C000.DWG - Layout: SURV (2)
Xrefs: - Images:



NORTH IMPROVEMENT PLAN

SCALE: 1"=20'



CONSTRUCTION NOTES:

1. DETECTABLE WARNINGS SHALL BE ACCORDING TO STD. D-8a - 8c AND SHALL BE PRE-CAST CONCRETE PANELS.
2. THE GRADES SHOWN ON THESE PLANS ARE NOT SURVEYED, BUT SHOWN AS RELATIVE GRADES ONLY.
3. ALL EXISTING TOPOGRAPHY, INCLUDING LOCATIONS OF DRAINAGE FEATURES, SHALL BE FIELD VERIFIED PRIOR TO BEGINNING OF CONSTRUCTION.

PROJECT MANAGER	M. CHAVES
DESIGNED BY	J. HUDSON
DRAWN BY	J. HUDSON
CHECKED BY	M. CHAVES
PROJECT NUMBER	2014-C##
NO. REVISION	
BY	
DATE	

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CAPITAL IMPROVEMENT PROGRAM
EDISON ELEMENTARY - SRTS
NORTH SIDE IMPROVEMENTS
PLAN AND PROFILE

ALL CONSTRUCTION SHALL OCCUR WITHIN THE RIGHT-OF-WAY, NO CLOSER THAN 6 INCHES FROM ANY PRIVATE PROPERTY LINE.



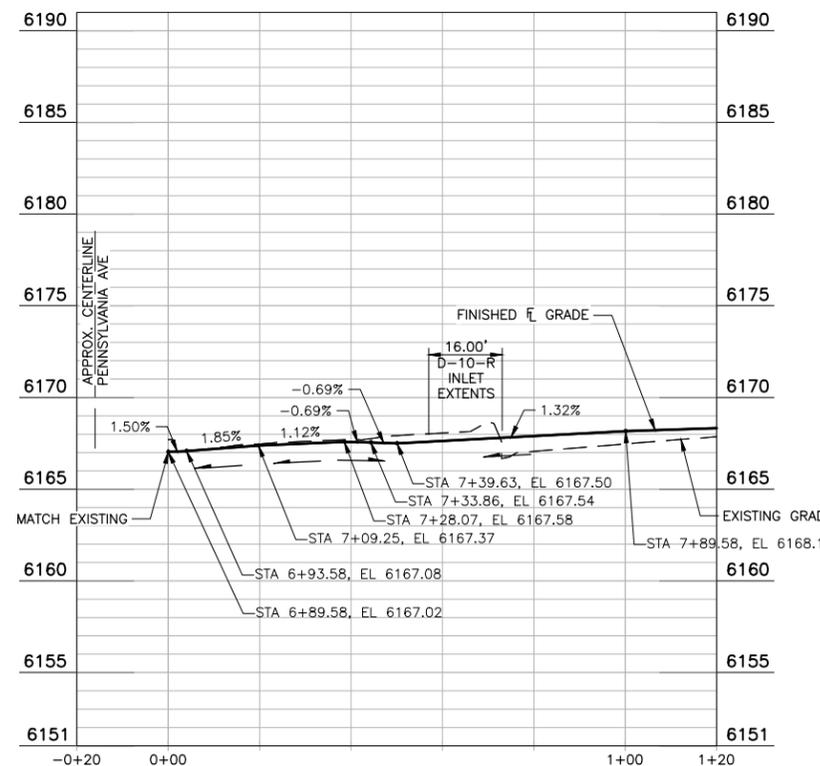
SCALE: 1"=20'



POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
30	1381042.619	3197410.577	6164.05	BEGIN NEW CURB/BEGIN RAMP
31	1381033.620	3197410.658	6164.10	END RAMP
34	1381023.711	3197420.801	6164.54	END RAMP/PT
35	1381026.557	3197413.670	6164.29	MID POC
36	1381033.710	3197420.658	0.00	10'R RAD FACE OF CURB
42	1381024.862	3197639.328	6166.76	BEGIN NEW CURB/PC
44	1381021.620	3197650.183	6167.04	PT
46	1381021.582	3197669.160	6167.23	END RAMP/PC
47	1381031.540	3197679.183	6166.61	PT
48	1381035.540	3197679.195	6166.53	MATCH EXIST.
49	1381031.582	3197669.184	0.00	10'R FACE OF CURB
58	1381035.669	3197715.275	6167.02	BEGIN CURB (APPROX)
59	1381031.669	3197715.292	6167.08	PC
61	1381021.730	3197725.312	6167.37	END RAMP/PT
63	1381021.730	3197744.127	6167.02	PC

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
65	1381024.991	3197755.047	6167.50	PT
74	1381031.711	3197725.292	0.00	10'R FACE OF CURB
76	1381024.991	3197972.245	6169.30	END RAMP/PC
77	1381034.991	3197982.245	6169.41	BEGIN CURB/PT
78	1381037.776	3197982.245	6169.46	END NEW CURB/MATCH EXIST
79	1381034.991	3197972.245	0.00	10'R FACE OF CURB
80	1381037.262	3198018.161	6169.88	BEGIN CURB (APPROX)
81	1381034.991	3198018.161	6169.90	PC
82	1381024.991	3198028.161	6170.00	END RAMP/PT
83	1381024.991	3198047.161	6170.50	PC
84	1381026.992	3198055.881	6170.60	PT
85	1381034.991	3198028.161	0.00	10'R FACE OF CURB
94	1381025.991	3197984.245	6169.38	FL CROSSSPAN
95	1381025.991	3198016.161	6169.83	FL CROSSSPAN

NORTH SIDE STAKING



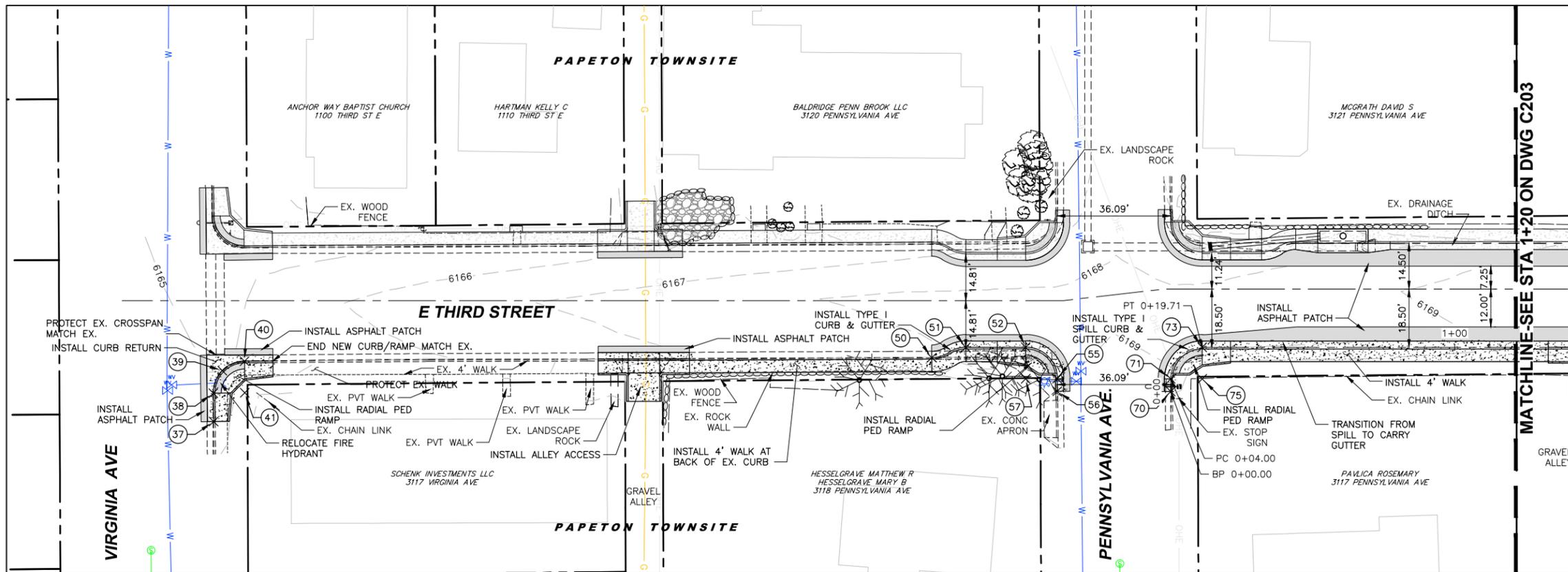
NORTH FLOWLINE PROFILE

SCALE: H:1"=20', V:1"=5'

PRELIMINARY
NOT FOR CONSTRUCTION

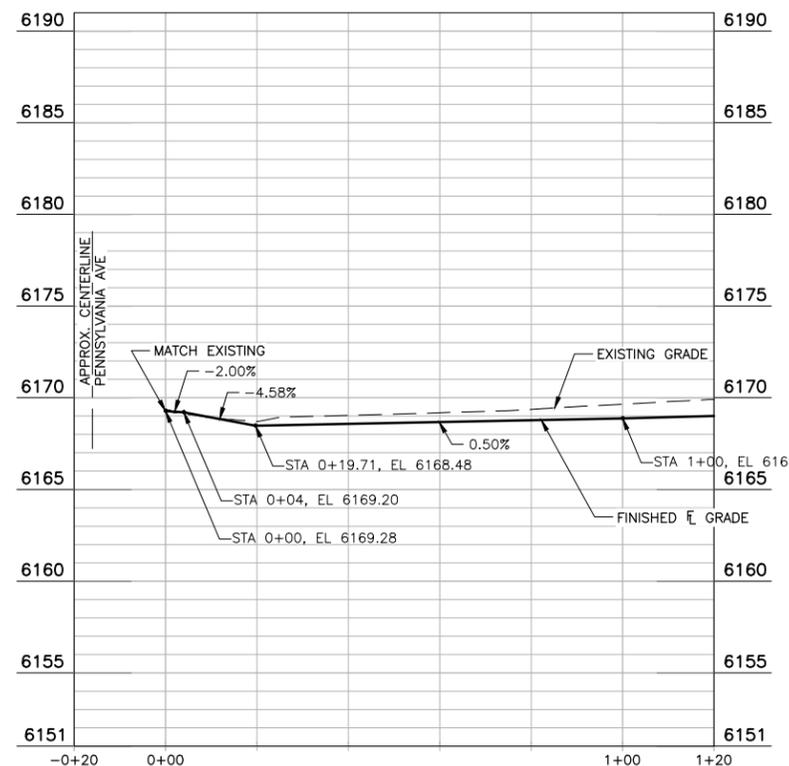
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8 OF 12 SHEETS	

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 Xrefs: EDISON_EXTO.DWG EDISON_MODS.DWG - Images:



SOUTH SIDE PLAN

SCALE: 1"=XX'



SOUTH FLOWLINE PROFILE

SCALE: H:1"=20', V:1"=5'

POINT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
37	1380968.479	3197411.100	6165.21	BEGIN NEW CURB/RAMP
38	1380977.478	3197410.989	6165.07	END RAMP/PC
39	1380984.604	3197413.850	6165.00	MID POC
40	1380987.601	3197420.919	6165.11	END RAMP/PT
41	1380977.601	3197420.989	0.00	10'R FACE OF CURB
50	1380988.749	3197639.337	6167.91	BEGIN NEW CURB/PC
51	1380991.991	3197650.169	6168.01	PT
52	1380992.029	3197669.169	6168.20	END RAMP/PC
55	1380982.071	3197679.211	6168.70	PT
56	1380978.071	3197679.222	6168.82	END CURB (APPROX)
57	1380982.029	3197669.211	0.00	10'R FACE OF CURB
70	1380977.991	3197715.292	6169.28	BEGIN CURB (APPROX)
71	1380981.991	3197715.292	6169.20	PC
73	1380991.991	3197725.292	6468.48	PT
75	1380981.991	3197725.292	0.00	10'R FACE OF CURB

POINT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
86	1380991.991	3197944.527	6169.84	PC
87	1380993.984	3197953.245	6169.89	PT
88	1380993.991	3197972.245	6170.02	END RAMP/PC
89	1380983.991	3197982.245	6170.28	PT
90	1380983.991	3197972.245	0.00	10'R FACE OF CURB
91	1380983.991	3198018.161	6170.92	PC
92	1380993.991	3198028.161	6170.72	PT
93	1380983.991	3198028.161	0.00	10'R FACE OF CURB
97	1380992.991	3198016.161	6170.53	FL CROSSSPAN
98	1380993.991	3198252.105	6175.02	PC FL
99	1380998.992	3198265.335	6175.32	PT FL
100	1380992.991	3197984.245	6170.09	FL CROSSSPAN

SOUTH SIDE STAKING

CONSTRUCTION NOTES:

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VERIFY SCALES
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30 S. NEVADA AVE., SUITE 401
COLORADO SPRINGS, CO 80903

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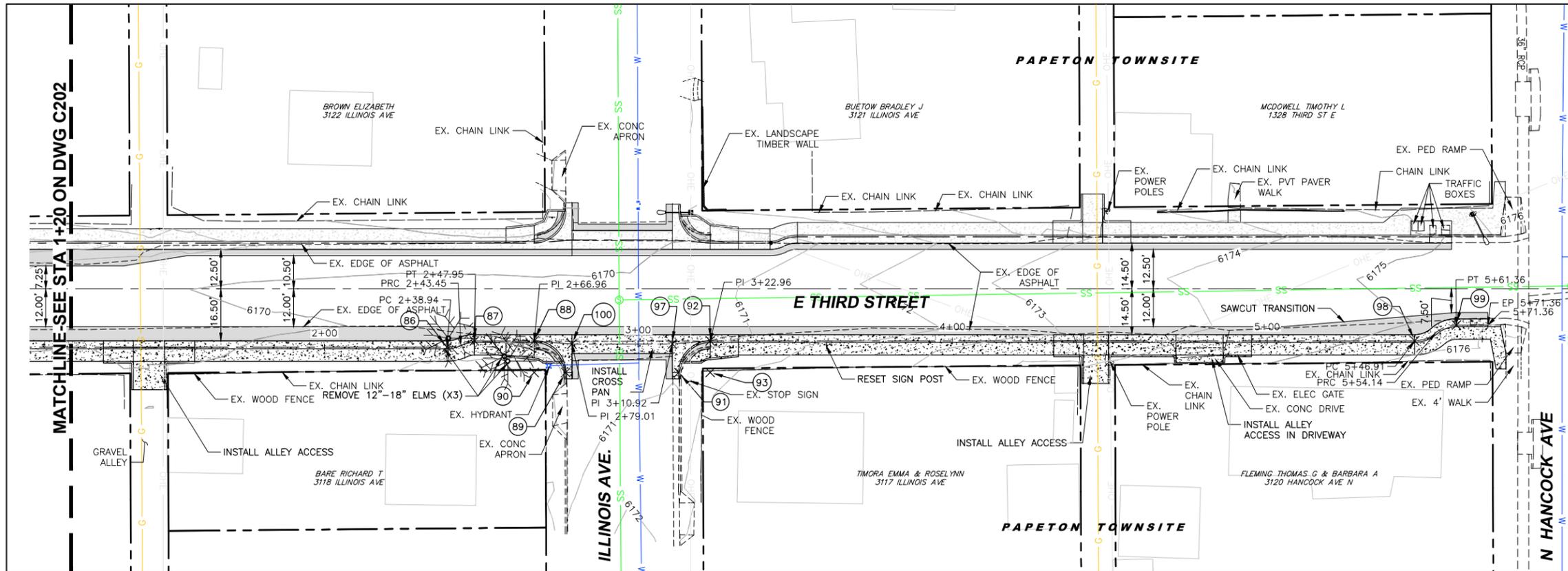
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PRELIMINARY
NOT FOR CONSTRUCTION

CAPITAL IMPROVEMENT PROGRAM
EDISON ELEMENTARY - SRTS
SOUTH SIDE IMPROVEMENTS
PLAN AND PROFILE

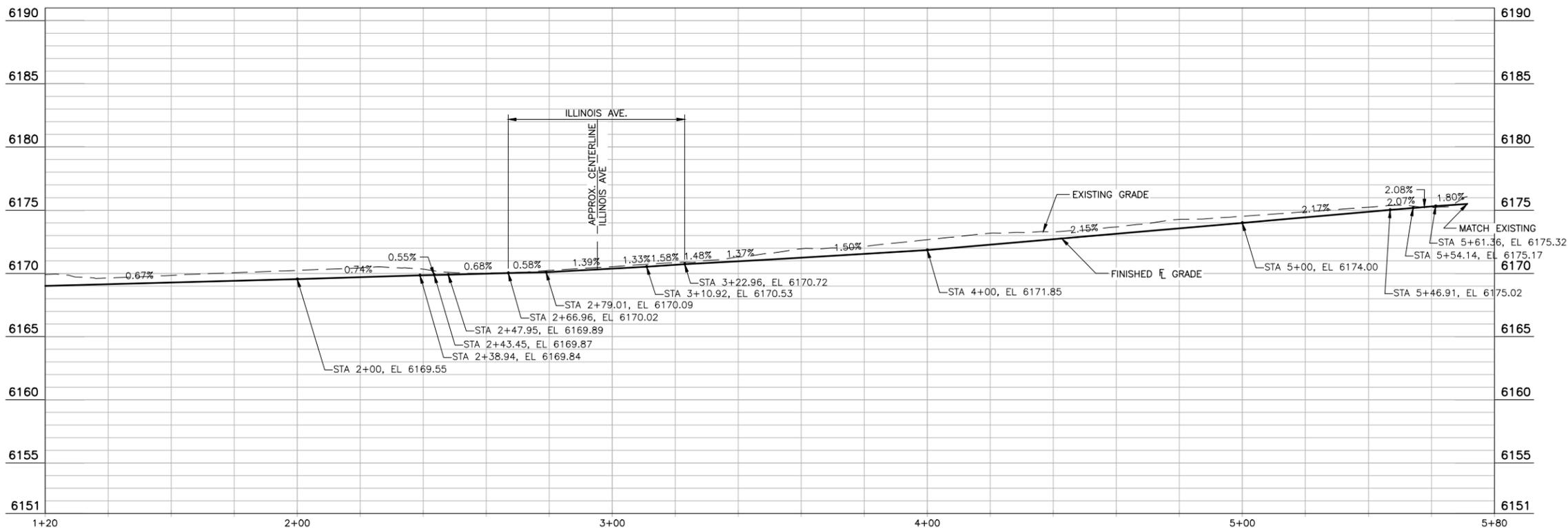
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10 OF 12 SHEETS

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Xrefs: EDISON_EXTO.DWG EDISON_MODS.DWG



SOUTH SIDE PLAN

SCALE: 1"=20'



SOUTH FLOWLINE PROFILE

SCALE: H:1"=20', V:1"=5'

CONSTRUCTION NOTES:

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NO.	REVISION	BY	DATE

PROJECT MANAGER	M. CHAVES
DESIGNED BY	J. HUDSON
DRAWN BY	J. HUDSON
CHECKED BY	M. CHAVES
PROJECT NUMBER	2014-C##

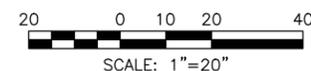
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Call before you dig.



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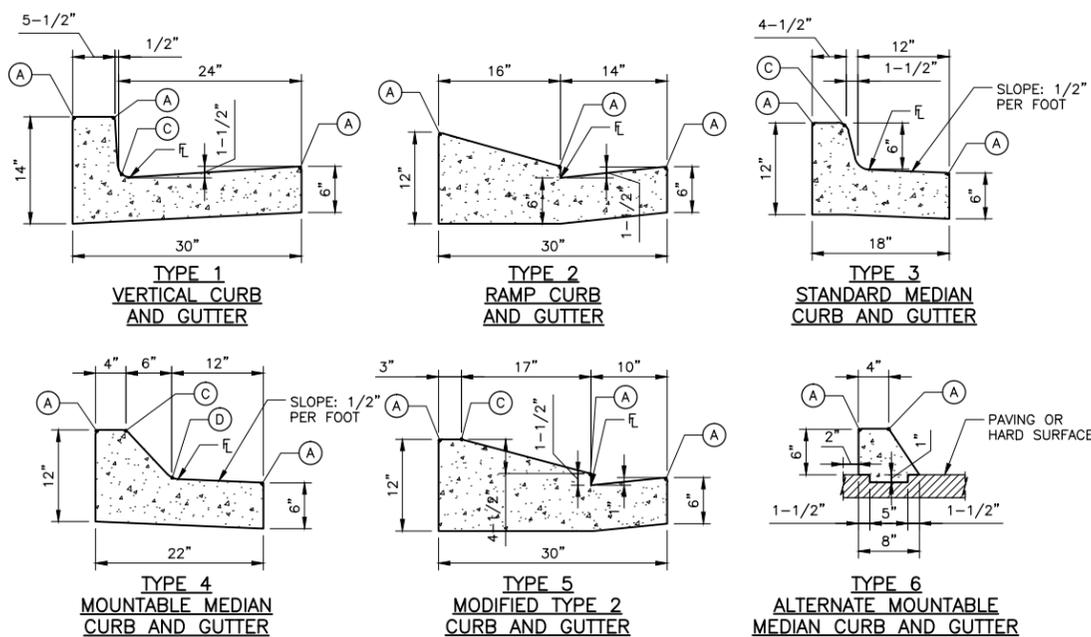
CAPITAL IMPROVEMENT PROGRAM
EDISON ELEMENTARY - SRTS
SOUTH SIDE IMPROVEMENTS
PLAN AND PROFILE

SCALE
 HORZ: 1"=20'
 VERT: -

FILENAME
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 11 OF 12 SHEETS

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 Xrefs: EDISON MODS.DWG



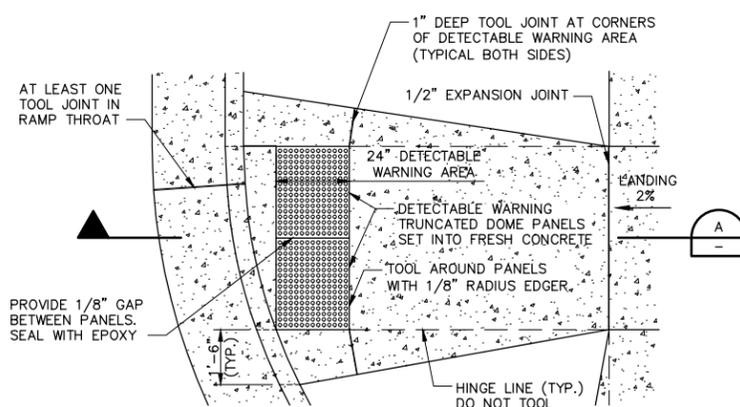
LENGTH OF RADII	
(A)	1/2"
(C)	1-1/2"
(D)	1-1/2" TO 2"

NOTES FOR TYPE 6 CURB:

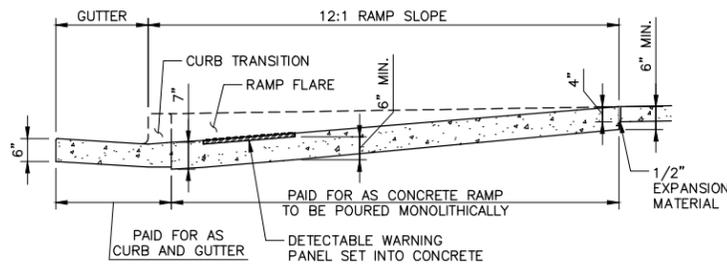
- 4000 PSI CONCRETE MIX DESIGN SHALL BE MODIFIED TO INCLUDE 0.5 BAGS OF FIBER MESH PER CUBIC FOOT.
- 1" DEEP TOOL JOINTS SHALL BE INSTALLED AT 6 FOOT SPACING.
- TYPE 6 MEDIAN CURB WILL ONLY BE ALLOWED WHERE STREET SECTION FALLS AWAY FROM CURB, "SPILL" CONDITION.

CURB AND GUTTER DETAIL

TYPES 1, 2, 3, 4, 5, AND 6
SEE CITY STANDARD D-6
SCALE: NTS



STANDARD PEDESTRIAN RAMP WITH DETECTABLE WARNING PANELS



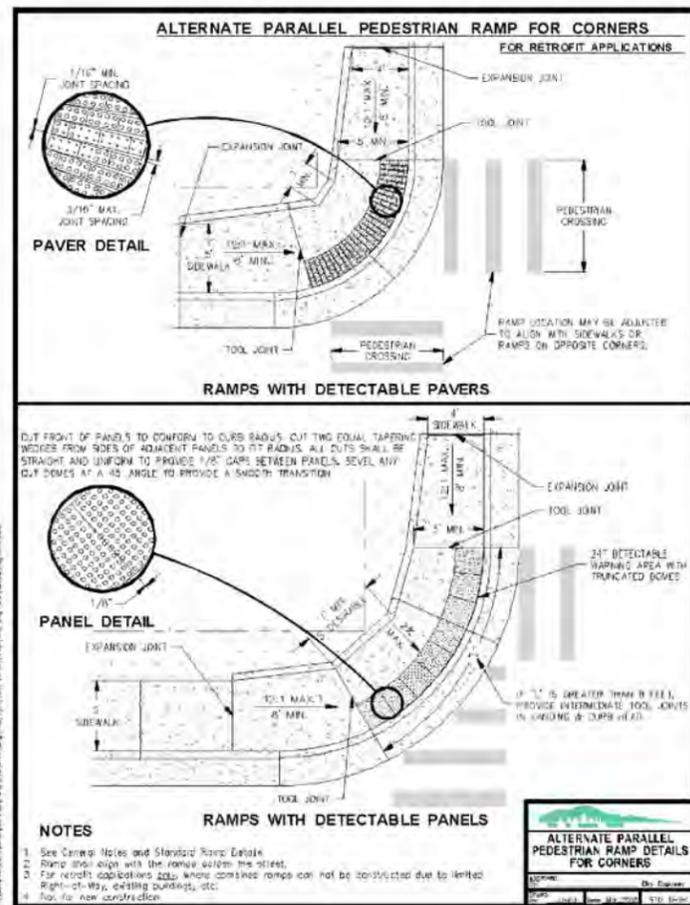
SECTION A-A

PEDESTRIAN RAMP DETAIL

FOR DETECTABLE PANELS
SEE CITY STANDARD D-8C
SCALE: NTS

NOTES:

- DETECTABLE WARNING PANELS, 24" X 24" OR 24" X 30" IN SIZE, SHALL BE PREFABRICATED REDDISH INTEGRALLY COLORED CONCRETE WITH TRUNCATED DOMES AND COMPLY WITH ADA REQUIREMENTS. ONLY FULL PANELS SHALL BE USED TO OBTAIN SPECIFIED RAMP THROAT WIDTH, (I.E. TWO 24" PANELS FOR A 4' RAMP, TWO 30" PANELS FOR A 5' RAMP, ETC.) PRIOR TO START OF WORK, CONTRACTOR SHALL SUBMIT, TO CITY ENGINEERING FOR APPROVAL, A SAMPLE PANEL AND DOCUMENTATION FROM THE MANUFACTURER. PANEL SURFACE SHALL HAVE A MINIMUM OF 70% LIGHT REFLECTIVITY CONTRAST WITH THE ADJOINING SURFACE.
- PANELS SHALL BE PLACED AS SHOWN, WITH DOME PATTERN IN A SQUARE GRID AND ALIGNED IN THE DIRECTION OF TRAVEL. A STEEL TEMPLATE SHALL BE USED TO ENSURE PROPER ALIGNMENT AND UNIFORM GRADE.
- REMOVE THE PROPER AMOUNT OF CONCRETE WITHIN THE TEMPLATE FOR AN ACCURATE INSTALLATION. ONCE TO THE PROPER DEPTH, FLOAT THE AREA TO RECEIVE THE PANELS UNTIL A SMOOTH PASTE HAS DEVELOPED. WET THE BACK SIDE OF EACH PANEL AND TROWEL SOME CONCRETE PASTE OVER THE WET SURFACE FOR BETTER ADHERENCE.
- SET THE FIRST PANEL ON THE FRESHLY PREPARED SURFACE. DO NOT PRESS DOWN HARD ON THE PANEL, BUT PREFERABLY TWIST FROM SIDE TO SIDE. SET PANEL WITH RUBBER Mallet TO PROPER DEPTH SO THAT THE BASE OF THE TRUNCATED DOME IS AT THE SAME ELEVATION AS THE ADJOINING RAMP SURFACE.
- SET SUCCESSIVE PANELS WITH A TIGHT BUTT JOINT AGAINST THE PREVIOUSLY SET PANEL. PROVIDE A 1/8" GAP BETWEEN PANELS.
- FLOAT FRESH CONCRETE AROUND PANELS. FINISH AND BROOM SURROUNDING CONCRETE AS SPECIFIED. CLEAN ANY CONCRETE OFF PANELS WITH A SPONGE.
- PROVIDE 1" DEEP TOOL JOINTS AT CORNERS OF DETECTABLE WARNING AREA, AND TOOL AROUND PANELS WITH 1/8" RADIUS EDGER.
- WHEN CUT PANELS ARE REQUIRED, CUT SECTIONS SHALL NOT SIGNIFICANTLY IMPACT OVERALL TRUNCATED DOMES PATTERN AND CUT DOMES SHALL BE BEVELED AT A 45-DEGREE ANGLE TO CREATE A SMOOTH TRANSITION.
- ANY PANELS THAT ARE DAMAGED DURING TRANSPORT OR INSTALLATION WILL BE REJECTED AND SHALL NOT BE INSTALLED.
- CLEAN OUT 1/8" JOINT(S) BETWEEN PANELS AND SEAL WITH EPOXY.



NOTES

- See General Notes and Standard Ramp Details.
- Ramp shall align with the ramp along the street.
- For retrofit applications only, where concrete ramps can not be constructed due to limited right-of-way, existing sidewalks, etc.
- Not for new construction.

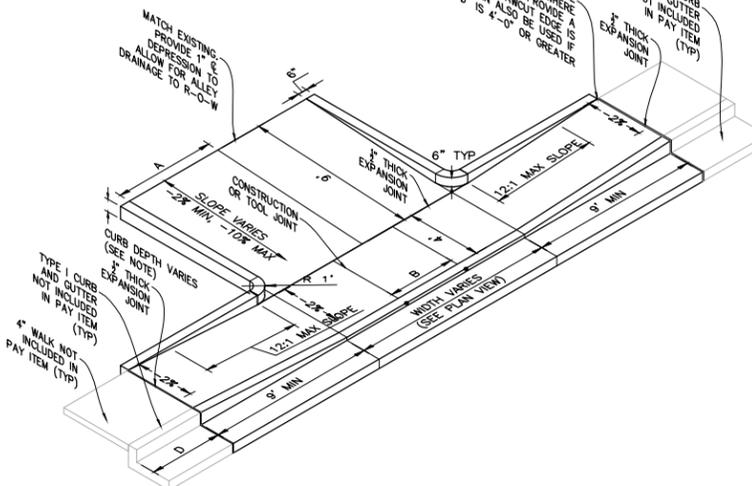
ALTERNATE PARALLEL PEDESTRIAN RAMP DETAILS FOR CORNERS

DATE: _____

DESIGNED BY: _____

CHECKED BY: _____

DRIVEWAY WIDTH	A	B
12'-0"	6'	3'
14'-0"	7'	3'-6"
16'-0"	8'	4'
18'-0"	9'	4'-6"
20'-0"	10'	5'
22'-0"	11'	5'-6"
24'-0"	8'	4'
26'-0"	8'-8"	4'-4"
28'-0"	9'-4"	4'-8"
30'-0"	10'	5'



DRIVEWAY DETAIL

WITH ATTACHED SIDEWALK

SCALE: NTS

NOTES:

- PROVIDE CENTERLINE CONSTRUCTION OR TOOL JOINT WHEN DRIVEWAY WIDTH (EDGE TO EDGE) IS 14' OR GREATER.
- ALL TOOL JOINTS SHALL BE A MINIMUM OF 1-1/2" DEEP.
- WHEN REPLACING EXISTING CURB AND GUTTER WITH NEW DRIVEWAY, ENTIRE CURB AND GUTTER SECTION SHALL BE REMOVED AND REPLACED WITH CURB AND GUTTER (VARIABLE-CURB-HEIGHT) AS SHOWN. DO NOT BREAK CURB FROM GUTTER SECTION. MACHINE SAWCUT IS ALLOWABLE; SEE D-16C.
- FLARED PORTION OF DRIVEWAY SHALL BE POURED MONOLITHIC WITH MAIN RECTANGULAR PORTION OF DRIVEWAY.
- WHERE THERE IS MORE THAN ONE DRIVEWAY ON A LOT, 30' OF FULL CURB SHALL BE PROVIDED BETWEEN DRIVEWAYS.
- WHERE AN EXISTING SIDEWALK IS IN PLACE, AND ITS THICKNESS IS LESS THAN 6" (RESIDENTIAL) OR 8" (COMMERCIAL, INDUSTRIAL, OR ALLEY) THE THE SIDEWALK THROUGH THE DRIVEWAY SHALL BE REMOVED AND REPLACED WITH PORTLAND CEMENT CONCRETE, 6" (RESIDENTIAL) OR 8" (COMMERCIAL) IN THICKNESS.
- ALL EXCAVATION, EMBANKMENT AND CONCRETE SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.
- ALL PROVISIONS OF SECTION 14-15-104 OF THE CITY CODE SHALL BE MET, WITH REGARD TO MINIMUM SETBACK FROM INTERSECTION AND SIDE PROPERTY LINES, MINIMUM SPACING, MAXIMUM WIDTH, ETC.
- WHEN A DRIVEWAY IS TO BE TAKEN OUT OF SERVICE, THE ENTIRE LENGTH OF CURB AND GUTTER (VARIABLE-CURB-HEIGHT) SHALL BE REMOVED AND REPLACED WITH NEW CURB AND GUTTER. DO NOT PLACE NEW CURB HEAD ON EXISTING VARIABLE-CURB-HEIGHT CURB AND GUTTER.

PRELIMINARY
NOT FOR CONSTRUCTION

DATE	
BY	
NO. REVISION	
PROJECT MANAGER	M. CHAVES
DESIGNED BY	J. HUDSON
DRAWN BY	J. HUDSON
CHECKED BY	M. CHAVES
PROJECT NUMBER	2014-C##

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PUBLIC WORKS / CITY ENGINEERING
PO BOX 1575, MAIL CODE 410
30 S. NEVADA AVE., SUITE 401
COLORADO SPRINGS, CO 80903

CAPITAL IMPROVEMENT PROGRAM
EDISON ELEMENTARY - SRTS

CITY STANDARD DETAILS

SCALE: HORZ: 1"=20'
VERT: -

FILENAME: C500.dwg

SHEET: **C500**

12 OF 12 SHEETS

User: JHUDSON Date: 26, 2014, 4:29pm
Drawing: P:\EDISON_SRTS\03-DESIGN\B-SHEET_FILES\C500.DWG - Layout: STANDARD DETAILS
Xrefs: - Images: