

GENERAL NOTES:

- 1. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN RELATED TO ROADS, STORM DRAINAGE, AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOL. 2 AND THE COLORADO DEPARTMENT OF HIGHWAYS "M & S" STANDARDS. ANY DEVIATION TO REGULATIONS AND STANDARDS MUST BE REQUESTED AND APPROVED, IN WRITING TO BE ACCEPTABLE.
2. THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
3. BEFORE COMMENCING ANY EXCAVATION, CALL 1-800-922-1987 FOR EXISTING UTILITY LOCATIONS.
4. THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
5. THERE WILL BE A PRE-CONSTRUCTION MEETING WITH THE EL PASO COUNTY DOT, ENGINEER, AND CONTRACTOR IN ATTENDANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOILS ENGINEER'S RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY DOT.
7. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
8. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS AS SOON AS POSSIBLE AND EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
9. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL EQUAL OR EXCEED EXISTING PAVEMENT SECTION.
10. ALL APPLICABLE PERMITS (IE. 4045, CPDES, ETC.) MUST BE OBTAINED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITY IN AREAS WHERE PERMITS ARE REQUIRED.
11. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
12. BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
13. RCP SHALL BE UTILIZED FOR ALL DRAINAGE DESIGN. IF CMP IS TO BE APPROVED WITH THE CONSTRUCTION DRAWINGS A LETTER, WITH ALL SUPPORTING DOCUMENTATION, FROM A QUALIFIED ENGINEER MUST BE FILED ATTESTING TO THE 50 DESIGN LIFE OF CMP GIVEN THE SOIL CONDITIONS AT THE PROPOSED LOCATIONS.
14. ALL INTERSECTION ACCESSES TO BE CONSTRUCTED WITH A 25 FOOT SIGHT VISIBILITY TRIANGLES AND THERE SHALL BE NO OBSTRUCTIONS GREATER THAN 18" IN THIS AREA. SITE TRIANGLE SHALL BE CALCULATED PER THE ECM CRITERIA.
15. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY DEVELOPMENT SERVICES DEPARTMENT PRIOR TO CONSTRUCTION.
16. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS WITHIN 21 DAYS OF SUBSTANTIAL GRADING COMPLETION. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER IS RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.

SIGNING AND STRIPING NOTES:

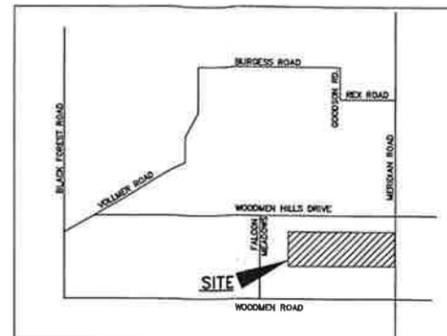
- 1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "C" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND COLLECTOR ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH 1/2" WHITE BORDER THAT IS NOT RECESSED.
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY DEVELOPMENT SERVICES (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY PUBLIC SERVICE DEPARTMENT (PSD) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

BENT GRASS
COUNTY OF EL PASO, STATE OF COLORADO
CONSTRUCTION DOCUMENTS
BENT GRASS MEADOWS DR. EAST (INTERIM PLAN)
JANUARY 2012

RECEIVED
MAY 07 2012
EPC DEVELOPMENT SERVICES

AGENCIES:

- OWNER/DEVELOPER: BENT GRASS METROPOLITAN DISTRICT
660 SOUTHPOINTE COURT, SUITE 210
COLORADO SPRINGS, CO 80906
MR. PETE SUSEMHL (719) 579-6500
CIVIL ENGINEER: CLASSIC CONSULTING ENGINEERS & SURVEYORS
6385 CORPORATE DRIVE, SUITE 101
COLORADO SPRINGS, CO 80919
MR. MARC A WHORTON P.E. (719) 785-0790
COUNTY ENGINEERING: EL PASO COUNTY, DEPT. OF TRANSPORTATION
2880 INTERNATIONAL CIRCLE
COLORADO SPRINGS, COLORADO 80910
MR. GARY HAMACHER, (719) 520-7852
WATER & SANITATION DISTRICT: WOODMEN HILLS METRO DISTRICT
11720 WOODMEN HILLS DRIVE
FALCON, COLORADO 80831
MR. LARRY BISHOP (719) 495-2500
FIRE DISTRICT: FALCON FIRE PROTECTION DISTRICT
7030 N. MERIDIAN RD.
FALCON, COLORADO 80831
CHIEF HARWIG (719) 495-4050
GAS COMPANY: CITY OF COLORADO SPRINGS
101 SOUTH CONEJOS STREET
COLORADO SPRINGS, COLORADO 80903
MR. TIM BENEDICT, (719) 668-3574
ELECTRIC COMPANY: MOUNTAIN VIEW ELECTRIC
11140 E. WOODMEN ROAD
P.O. BOX 1600
LIMON, COLORADO 80828
MR. LES ULFERS, (719) 495-2283
TELEPHONE COMPANY: U.S. WEST COMMUNICATIONS (LOCATORS) (800) 922-1987
AT & T (LOCATORS) (719) 635-3674



VICINITY MAP N.T.S.

NOTE: BENT GRASS MEADOWS DR. WILL REMAIN A PRIVATE ROAD OWNED AND MAINTAINED BY THE BENT GRASS METRO DISTRICT THROUGH PHASE 1 APPROVAL. HOWEVER, THIS FACILITY HAS BEEN DESIGNED AND WILL BE CONSTRUCTED PER COUNTY STANDARDS WITH THE DISTRICT ALLOWING COUNTY INSPECTIONS TO ENTER THE PROPERTY FOR INSPECTIONS, AS THIS WILL BE A PUBLIC FACILITY IN THE FUTURE.

BENCHMARKS:

- BENCHMARK #1 - THE NORTHWESTERLY CORNER OF LOT 1 FALCON RANCHETTES, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR LS# 2372 ELEVATION = 6921.51
BENCHMARK #2 - THE SOUTHWESTERLY CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A YELLOW PLASTIC SURVEYORS CAP ON A NO. 4 REBAR LS# 24954 ELEVATION = 6947.67

SHEET INDEX

- TITLE SHEET 1 OF 6
GRADING & EROSION CONTROL PLAN 2 OF 6
STREET IMPROVEMENT PLANS (PHASE 1) 3 OF 6
STREET IMPROVEMENT PLANS (PHASE 2) 4 OF 6
DETAILS 5 OF 6
DETAILS 6 OF 6

EL PASO COUNTY

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

Signature of Marc A Whorton, Colorado P.E. #37155
EL PASO COUNTY ENGINEER / DIRECTOR
NOTE: EL PASO COUNTY APPROVAL IS FOR BENT GRASS MEADOWS DRIVE PHASE 1 (PRIVATE DRIVE) ONLY.

GRADING APPROVALS:

DETAILED IMPROVEMENT PLANS AND SPECIFICATIONS ENGINEER'S STATEMENT:

THIS GRADING AND EROSION CONTROL PLANS WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

IF SUCH WORK IS PERFORMED IN ACCORDANCE WITH THIS GRADING AND EROSION CONTROL PLAN, THE WORK WILL NOT BECOME A HAZARD TO LIFE AND LIMB, ENDANGER PROPERTY, OR ADVERSELY AFFECT THE SAFETY, USE, OR STABILITY OF A PUBLIC WAY, DRAINAGE CHANNEL, OR OTHER PROPERTY. PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS L.L.C.

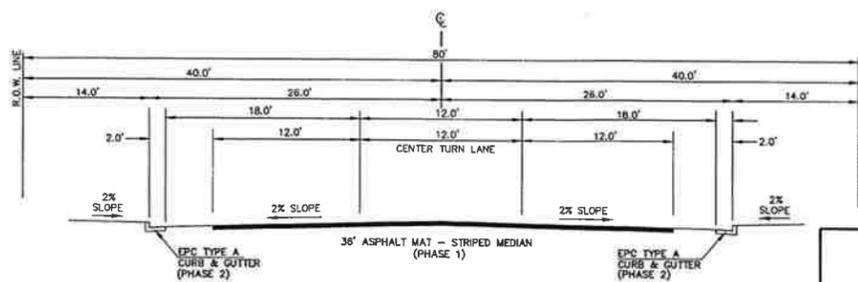
STREET APPROVALS:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILED PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED DRAINAGE PLANS AND SPECIFICATIONS, AND SAID DETAILED PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH THE MASTER PLAN OF THE DRAINAGE BASIN. SAID DETAILED DRAINAGE PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR DRAINAGE FACILITY IS DESIGNED. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY DIRECTLY CAUSED BY THE NEGLIGENT ACTS, ERRORS, OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED IMPROVEMENT PLANS AND SPECIFICATIONS.

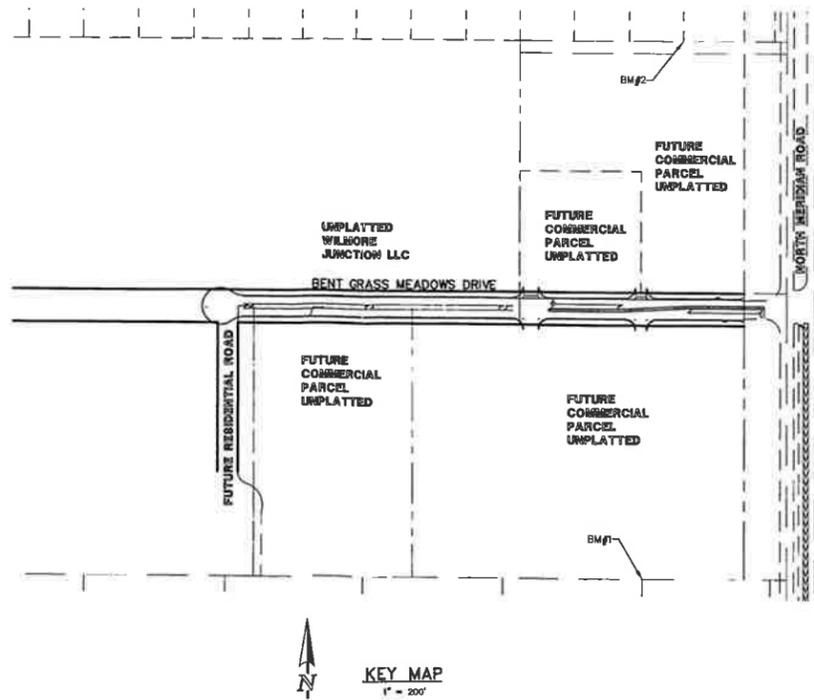
Signature of Marc A Whorton, Colorado P.E. #37155
MARC A WHORTON, COLORADO P.E. #37155
FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

OWNER / DEVELOPER STATEMENT:

THE OWNER WILL COMPLY WITH THE REQUIREMENTS OF THIS STREET IMPROVEMENT PLAN AND GRADING PLAN Bent Grass Metropolitan District
Signature of Marc A Whorton, Colorado P.E. #37155
OWNER/DEVELOPER: DATE 5/2/12



TYPICAL STREET SECTION - BENT GRASS MEADOWS DR. EAST (INTERIM PLAN) URBAN NON-RESIDENTIAL COLLECTOR N.T.S.



KEY MAP 1" = 200'

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 1-800-922-1987
CITY OF COLORADO SPRINGS DEPT. OF UTILITIES GAS, ELECTRIC, WATER AND WASTEWATER
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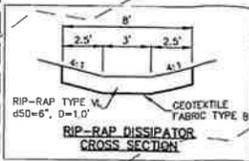
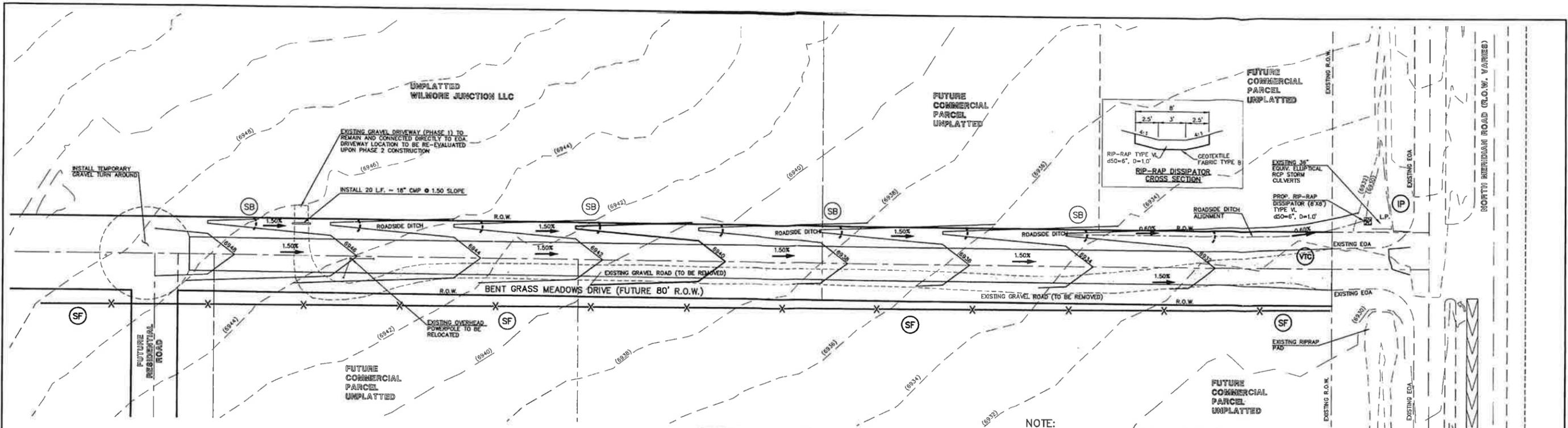
Table with columns: NO., REVISION, DATE. Contains two entries for PER EL PASO COUNTY COMMENTS dated 3-27-12 and 4-27-12.

REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

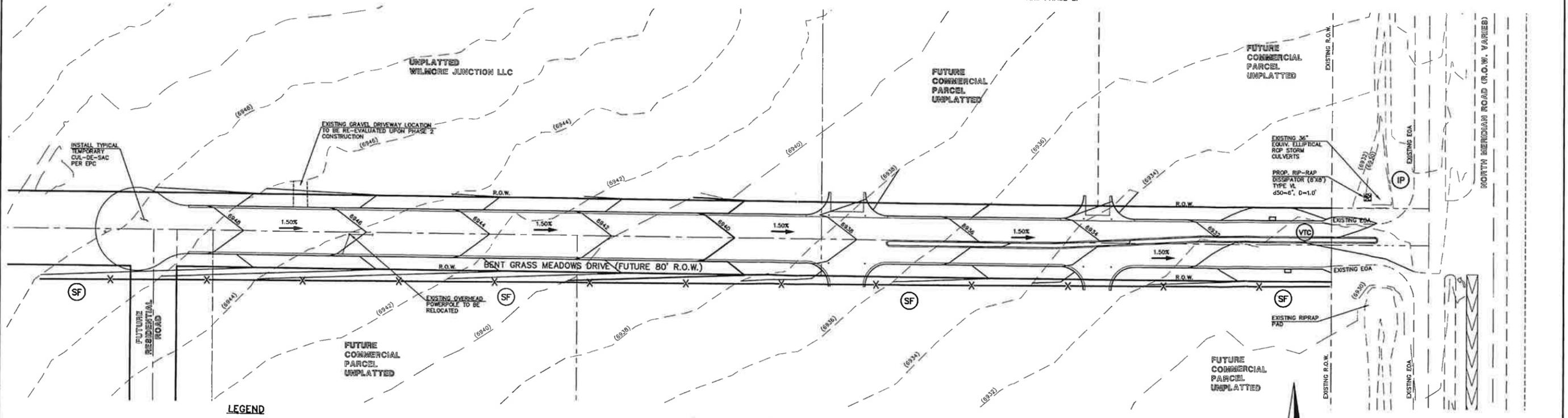
Signature of Marc A Whorton, Colorado P.E. #37155
MARC A WHORTON, COLORADO P.E. #37155 DATE 4/24/12



Project information table including: BENT GRASS CONSTRUCTION DOCUMENTS, BENT GRASS MEADOWS DR. EAST (INTERIM PLAN), TITLE SHEET, DESIGNED BY, DRAWN BY, CHECKED BY, SCALE, DATE, SHEET 1 OF 6, JOB NO. 2177.31

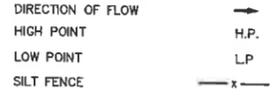


NOTE:
INSTALL PERMANENT RE-SEEDING WITHIN ALL DISTURBED AREAS OUTSIDE OF ASPHALT ROADWAY FOR BOTH PHASE 1 AND PHASE 2.

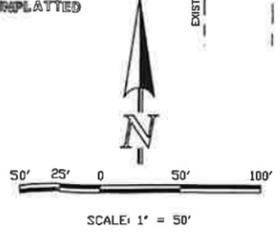


LEGEND

- PROPOSED CONTOUR-10
- PROPOSED CONTOUR-2
- EXISTING CONTOUR-10
- EXISTING CONTOUR-2
- SILT FENCE
- VEHICLE TRACKING CONTROL
- STRAW BALES
- INLET PROTECTION

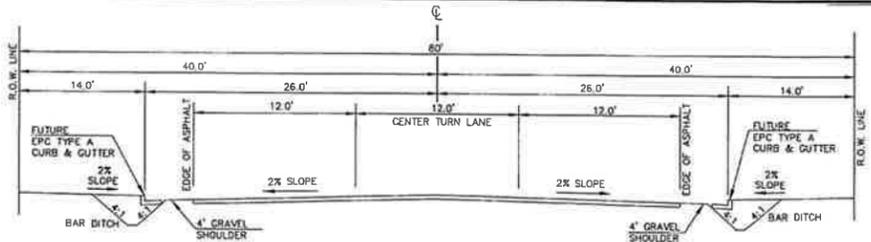


BENT GRASS MEADOWS DRIVE EAST (PHASE 2)

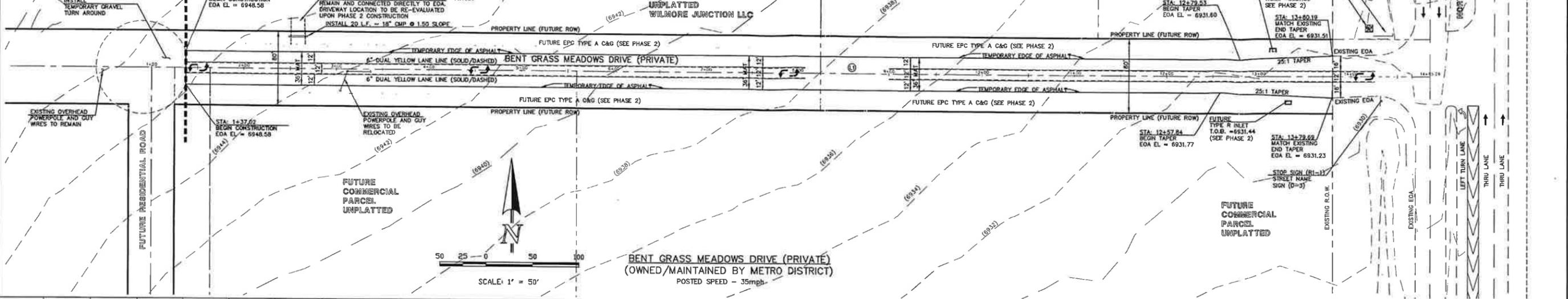


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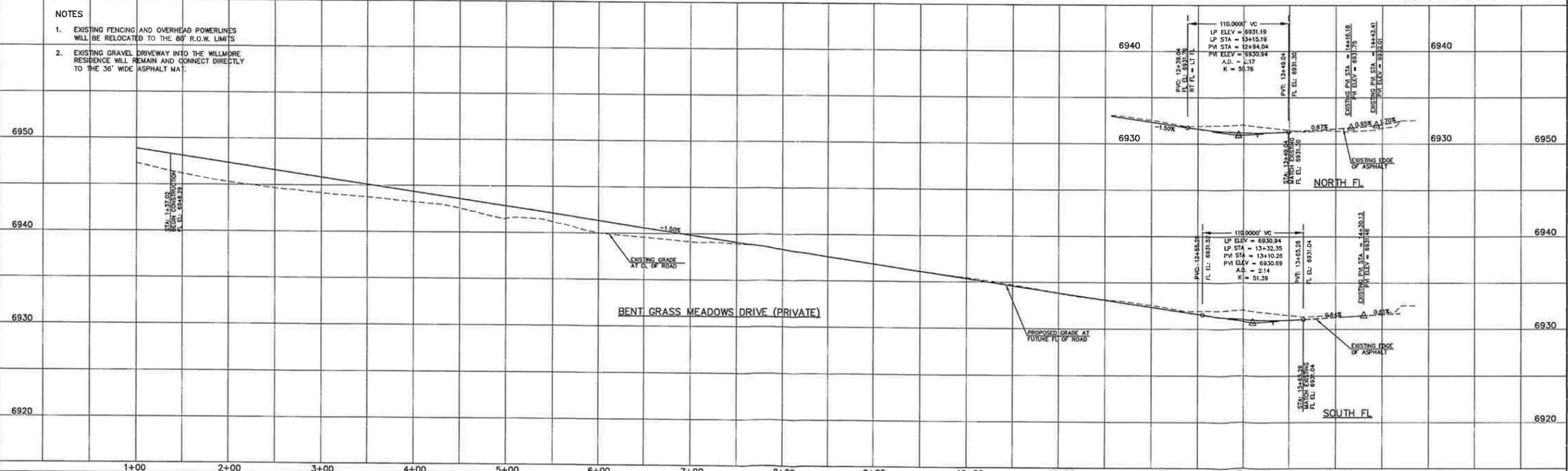
CENTERLINE LINE TABLE		
LINE	LENGTH	BEARING
L1	1395.29	N89°52'03"V



TEMPORARY STREET SECTION - BENT GRASS MEADOWS DRIVE
URBAN NON-RESIDENTIAL COLLECTOR



- NOTES**
- EXISTING FENCING AND OVERHEAD POWERLINES WILL BE RELOCATED TO THE 80' R.O.W. LIMITS
 - EXISTING GRAVEL DRIVEWAY INTO THE WILLMORE RESIDENCE WILL REMAIN AND CONNECT DIRECTLY TO THE 36' WIDE ASPHALT MAT.



DESIGN DATA: BENT GRASS MEADOWS DR.

SIDEWALKS: WIDTH: N/A

CURB TYPE: 1 5 3

R/W WIDTH: 80' (PRIV.) FL-FL 36' MAT

STREET TYPE: INTERIM (PRIV.) HVECM

PAVEMENT: TYPE: HMA PCC

THICKNESS: _____

COMPOSITE SECTION: _____

SUBGRADE STABILIZATION: CHEMICAL: MECH:

TYPE: _____

THICKNESS: _____

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 1-800-922-1987

CITY OF COLORADO SPRINGS DEPT. OF UTILITIES GAS, ELECTRIC, WATER AND WASTEWATER

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NO.	REVISION	DATE
1	PER EL PASO COUNTY COMMENTS	3-27-12
2	PER EL PASO COUNTY COMMENTS	4-27-12

REVIEW: _____

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155

DATE: 4/2/12

CLASSIC CONSULTING ENGINEERS & SURVEYORS

6385 Corporate Drive, Suite 101 Colorado Springs, Colorado 80919 (719)785-0790 (719)785-0799(fax)

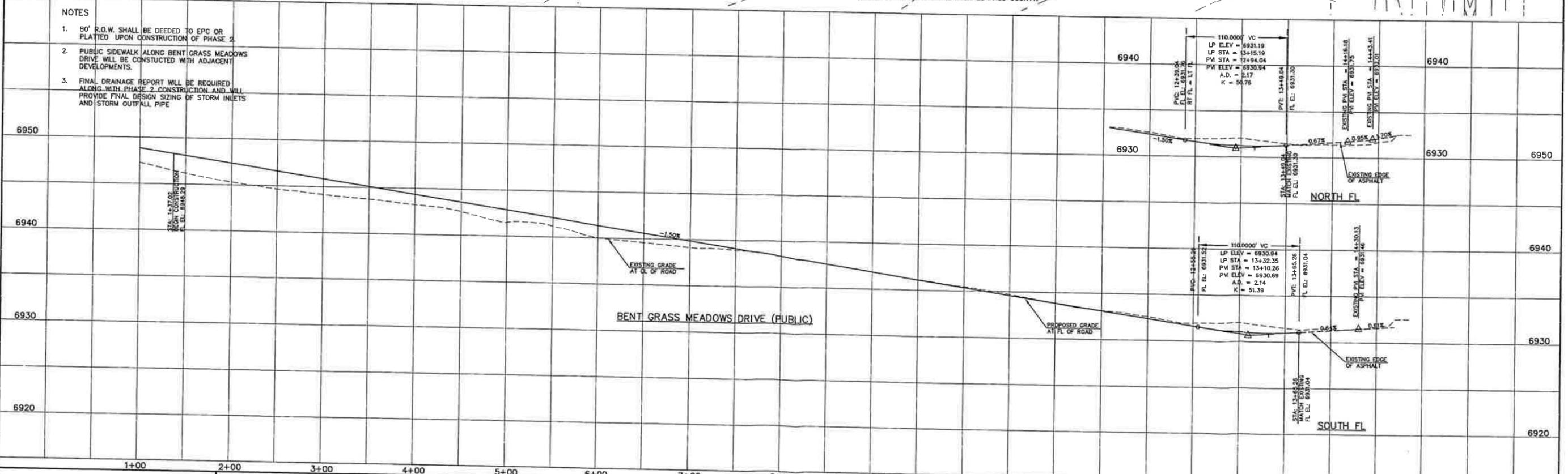
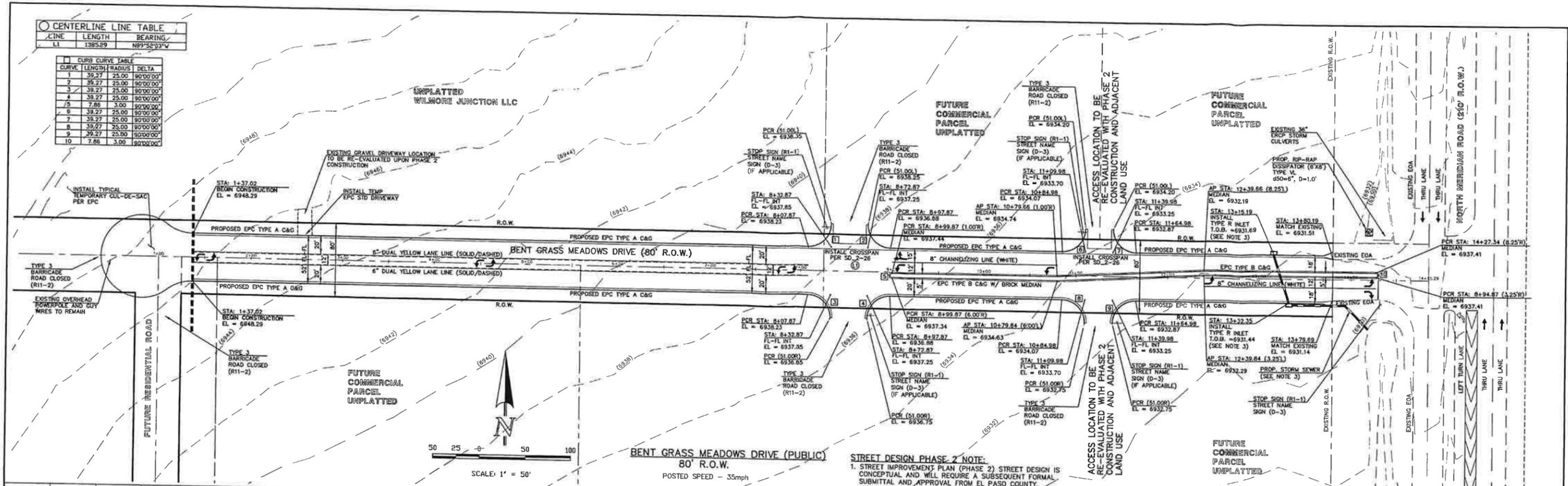
BENT GRASS CONSTRUCTION DOCUMENTS

BENT GRASS MEADOWS DR. EAST (INTERIM PLAN) STREET IMPROVEMENT PLANS (PHASE 1)

DESIGNED BY	DLG	SCALE	DATE
DRAWN BY	DLG	(H) 1" = 50'	SHEET 3 OF 6
CHECKED BY	(V) 1" = 5'	JOB NO.	2177.31

LINE	LENGTH	BEARING
L1	1385.29	N89°52'03"W

CURVE	LENGTH	RADIUS	DELTA
1	39.27	25.00	90°00'00"
2	39.27	25.00	90°00'00"
3	39.27	25.00	90°00'00"
4	39.27	25.00	90°00'00"
5	7.86	3.00	90°00'00"
6	39.27	25.00	90°00'00"
7	39.27	25.00	90°00'00"
8	39.27	25.00	90°00'00"
9	39.27	25.00	90°00'00"
10	7.86	3.00	90°00'00"



- NOTES**
- 80' R.O.W. SHALL BE DEEDED TO EPC OR PLATTED UPON CONSTRUCTION OF PHASE 2.
 - PUBLIC SIDEWALK ALONG BENT GRASS MEADOWS DRIVE WILL BE CONSTRUCTED WITH ADJACENT DEVELOPMENTS.
 - FINAL DRAINAGE REPORT WILL BE REQUIRED ALONG WITH PHASE 2 CONSTRUCTION AND WILL PROVIDE FINAL DESIGN SIZING OF STORM INLETS AND STORM OUTFALL PIPE.

STREET DESIGN PHASE 2 NOTE:
 1. STREET IMPROVEMENT PLAN (PHASE 2) STREET DESIGN IS CONCEPTUAL AND WILL REQUIRE A SUBSEQUENT FORMAL SUBMITTAL AND APPROVAL FROM EL PASO COUNTY.

DESIGN DATA: BENT GRASS MEADOWS DR
 SIDEWALKS: WIDTH: 5' (FUTURE)
 LOCATION: Attached Detached
 CURB TYPE: 1 5 3
 R/W WIDTH: 80' FL-FL 52'
 STREET TYPE: COLLECTOR HVEEM

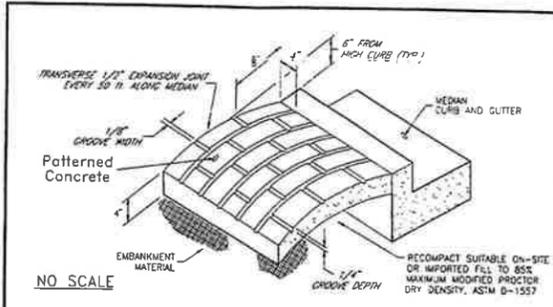
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REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
 MARC A WHORTON, COLORADO P.E. #37155

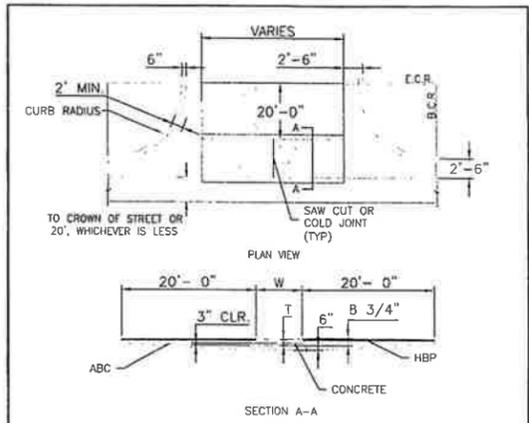


BENT GRASS CONSTRUCTION DOCUMENTS
 BENT GRASS MEADOWS DR. EAST (INTERIM PLAN)
 STREET IMPROVEMENT PLANS (PHASE 2)
 DESIGNED BY: DLG SCALE: DATE: 4-27-12
 DRAWN BY: DLG (H) 1" = 50' SHEET 4 OF 6
 CHECKED BY: (V) 1" = 5' JOB NO. 2177.31



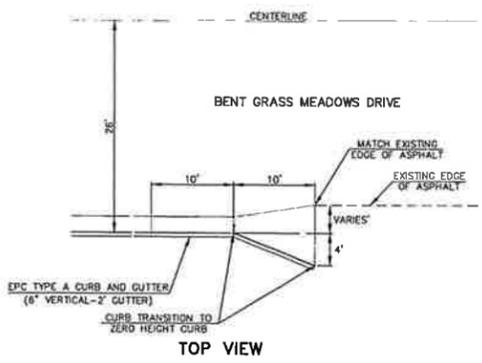
- NOTES**
- The median paving shall be constructed with 4 inch thick, integrally colored concrete, embossed with a running band 4" x 6" brick pattern as shown.
 - Install 1/2" x 4" expansion material at median noses, fixed objects, and at transverse joints at 50 ft. intervals (maximum) along the median.
 - The color additive shall be an approved commercially pure or synthetic mineral pigment, factory formulated and packaged in cube yard dosage increments. The mixture shall be "Chromia" as manufactured by L.M. Scofield Company, "Dove Color" as manufactured by Davis Color Company, or approved equal.
 - Patterned concrete to be colored L.M. Scofield Company "Santa Barbara Brown, C-35", Davis Color Company, Pigment No. 678, 5 lbs./sack, or an approved equal.
 - The matching curing compound shall be a blend of waxes and pigments in a solvent emulsion base and conform to the requirements of ASTM C-309. The curing compound shall be "Lubracrome Colormax" as manufactured by L.M. Scofield Company, "Davis Color-Seal" as manufactured by Davis Color Company, or approved equal.
 - The concrete mix design shall conform to the requirements of the color admixture manufacturer and the following:
 - 28-day compressive strength = 3000 psi (min.)
 - Water/Cement Ratio = 0.45 (max.)
 - Cement Content = 6-1/2 sacks/C.Y. (min.) (Type II cement)
 - Maximum Aggregate Size = 3/8"
 - Entrained Air Content = 6% - 10%
 - Slump = 4 inches (max.) - 1 inch (min.)
 - For weed control prior to median paving, apply a pre-emergent herbicide to median subgrade area per manufacturer's specifications for paving under the Barrier 50 Label (pre caution). Tifluralin is labeled for use under asphalt under the Trelan 45C label (E-tance).

CITY OF COLORADO SPRING
Patterned Concrete Median Paving
DATE: 7/17/07
BY: [Signature]



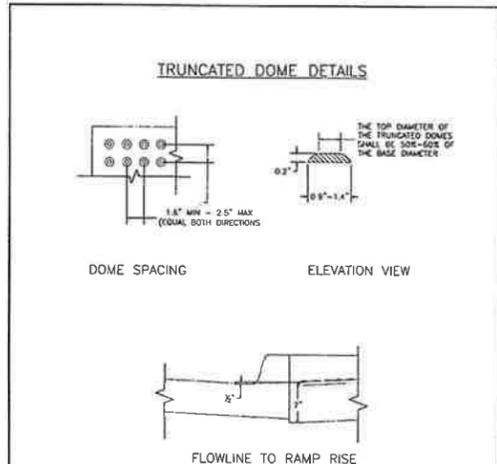
- NOTES**
- W - WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, AND 10' FOR ARTERIAL ROADS.
 - T - SQUARED-OFF RETURN TO BE POURED MONOLITHIC 6" PCC OR 9" FOR COLLECTORS MINIMUM WITH 6x6 - 4.4 W.W.F. OR #4 @ 18 E.W.
 - I = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).
 - DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR
- SCALE: NOT TO SCALE

Typical Cross Plan Layout Detail Standard Drawing
DATE: 11/10/04
FILE NAME: SD_2-26

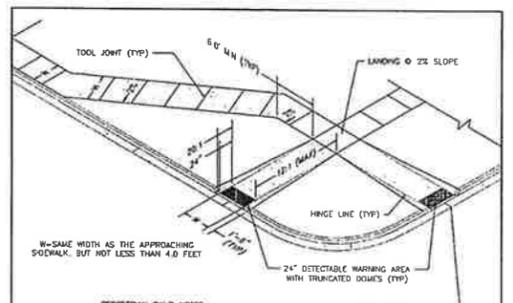


- NOTES**
- W - WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, AND 10' FOR ARTERIAL ROADS.
 - T - SQUARED-OFF RETURN TO BE POURED MONOLITHIC 6" PCC OR 9" FOR COLLECTORS MINIMUM WITH 6x6 - 4.4 W.W.F. OR #4 @ 18 E.W.
 - I = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).
 - DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR
- SCALE: 1" = 10'

CURB AND GUTTER TRANSITION AND TERMINATION DETAIL
DATE: 11/10/04
FILE NAME: SD_2-26

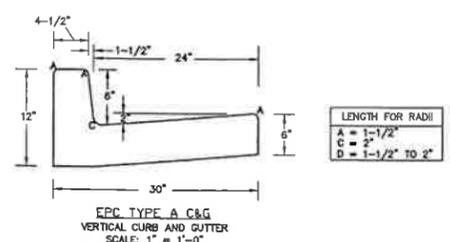


Truncated Dome Details Standard Drawing
DATE: 7/09/07
FILE NAME: SD_2-41

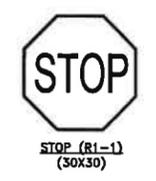


- GENERAL NOTES**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT DRAINAGE DESIGN MANUAL AND ALL REQUIREMENTS.
 - CONTRACTOR TO NOTIFY ENGINEERING DIVISION IMMEDIATELY UPON 48 HOURS FROM TO CONCRETE PLACEMENT.
 - PEDESTRIAN RAMP CONSTRUCTION SHALL BE A MINIMUM 3000 PSI CONCRETE, MINIMUM 4" THICK, NON-COLORED, NON-SCOURED, COMBIBOND FINISH.
 - RAMP LOCATION AND LENGTH MAY REQUIRE MODIFICATION TO ACCOMMODATE THE 12" BARRIERS BEHIND RAMP EDGE AND 20" DETECTABLE WARNING AREA DUE TO STREET INTERSECTION, CHECK AND/OR RELOCATE.
 - DETECTABLE WARNING AREA SHALL START A MINIMUM OF 4" BUT NOT MORE THAN 8" FROM THE FLURINE OF THE CURB AT RAMP POINT.
 - DETECTABLE WARNING AREA SHALL BE PREPARED BY EITHER PRECASTER COLORED TRANSDUCENT SURFACES OR POLYMERIC CONCRETE WITH DETECTABLE SURFACES.
 - THE DETECTABLE WARNING AREA SHALL BE 24" IN LENGTH AND THE FULL WIDTH OF THE RAMP.
 - RAMP WIDTH REQUIRED IS SHOWN AS APPROXIMATING 4' MINIMUM.
 - ALL RAMP SHALL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF APPROACH OR TERMINAL RAMP WHICH MAY BE PARALLEL. SUBJECT TO APPROVAL.
 - WORK PLACING SHOWN STRUCTURAL TRAFFIC SIGNAGE, UNDERSTANDING WORK OR OTHER OBSTRUCTIONS WHEN PROPOSED RAMP INSTALL.
 - WORK THE 12" BARRIERS BEHIND RAMP EDGE SHALL BE INSTALLED CONCRETE WITH A PRECASTER ON RAMP SURFACE AREA, THE MINIMUM THICKNESS SHALL NOT EXCEED 1 1/2".
 - PEDESTRIAN RAMP AND/OR LOCATION OF CURBING OR FUTURE PEDESTRIAN RAMP OR SIGNAGE, SIGNAGE SHALL BE WORKED BEFORE CONSTRUCTION NEW RAMP.
 - IF BARRIERS PREVENTING CROSSING THE BOTTOM OF THE RAMP, COLLARING OF RAMP SIDES SHALL BE INSTALLED CONTAINING WITHIN THE SURFACE.

Pedestrian Intersection Ramp Standard Drawing
DATE: 7/09/07
FILE NAME: SD_2-40

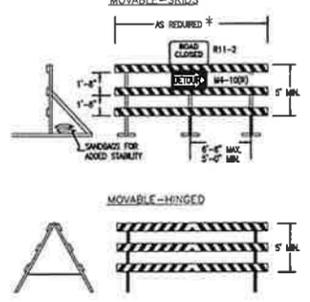


EPC TYPE A C&G VERTICAL CURB AND GUTTER
SCALE: 1" = 1'-0"



RAIL LENGTH TABLE *		LENGTH
TYPE 3 BARRICADE	TYPE 3 BARRICADE	LENGTH
F - A	M - A	8' - 14'
F - B	M - B	15' - 24'
F - C	M - C	25' - 35'
F - D	M - D	> 35'

- NOTES**
- TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES IF FACING TRAFFIC IN ONE DIRECTION AND 6 F FACING TRAFFIC IN TWO DIRECTIONS.
 - THE POSITION OF THE POST ABOVE THE GROUND LINE SHALL BE PRINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
 - DETACHABLE EXTENSION WING RAIS FOR IMPROVING OF CONSTRUCTION EQUIPMENT ARE PERMITTED, WHEN NECESSARY, ON FIXED OR MOVABLE TYPE 3 BARRICADES. THE LENGTH SHALL BE SUFFICIENT TO CLOSE THE BARRIERS PER ANY OR SHOULD AS REQUIRED.



TYPICAL TYPE 3 BARRICADES

STREET NAME NO OUTLET
STREET NAME
STREET NAME (D-3)

- NOTES:**
- ALL INTERNAL SIGNS SHALL BE 4" FONT LETTER SIZE.
 - PHASE 1 STREET NAME SIGN SHALL HAVE A BROWN BACKGROUND TO INDICATE THAT IT IS A PRIVATE STREET.
 - PHASE 2 STREET NAME SIGN SHALL HAVE A GREEN BACKGROUND TO INDICATE THAT IT IS A PUBLIC STREET AND SHALL REPLACE THE BROWN BACKGROUND PRIVATE STREET NAME SIGN INSTALLED WITH PHASE 1.